THE STATE OF DELAWARE
DEPARTMENT OF TRANSPORTATION

U.S. CUSTOMARY UNITS

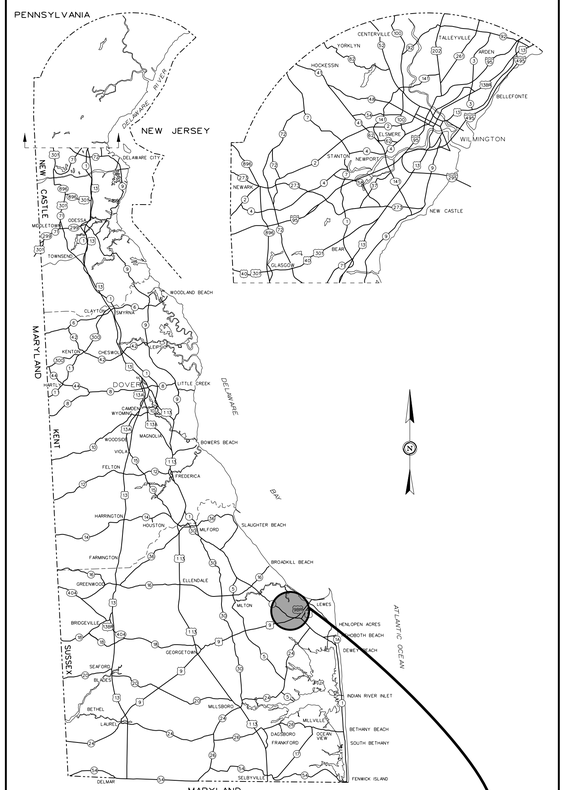
CONSTRUCTION PLANS FOR:

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

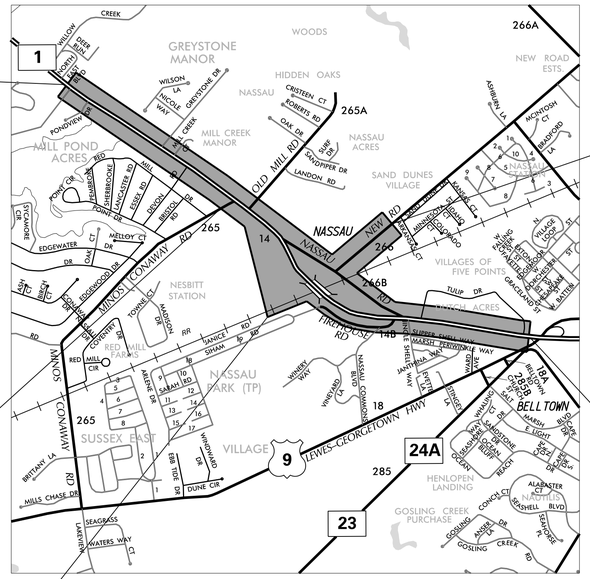
CONTRACT NUMBER: T201612501
FEDERAL AID PROJECT NUMBER: STP-S050(23)

COUNTY: SUSSEX

M.R. #: 14
M.R. #: 266B
M.R. #: 266
M.R. #: 265



GENERAL LOCATION OF CONTRACT



LOCATION MAP
NOT TO SCALE

END CONTRACT STATION 805+00.00

LIMIT OF CONTRACT STATION 1509+00.00

LIMIT OF CONTRACT STATION 1301+00.00

BEGIN CONTRACT STATION 1700+00.00

LIMIT OF CONTRACT STATION 1000+68.13

DESIGN DESIGNATION

MRD #: 14	ROAD NAME: SR 1		
FUNCTIONAL CLASS: PRINCIPAL ARTERIAL		D.H.V. PROJECTED: 5,600	YEAR: 2050
TYPE OF CONSTRUCTION: NEW CONSTRUCTION		DESIGN SPEED: 60 M.P.H.	
A.A.D.T. CURRENT: 30,900	YEAR: 2019	TRUCKS: 6 %	
A.A.D.T. PROJECTED: 46,600	YEAR: 2050	DIRECTION OF DISTRIBUTION: 58 %	
MRD #: 266B	ROAD NAME: NASSAU RD		
FUNCTIONAL CLASS: LOCAL		D.H.V. PROJECTED: 1,100	YEAR: 2050
TYPE OF CONSTRUCTION: NEW CONSTRUCTION		DESIGN SPEED: 35 M.P.H. (25 M.P.H. ROUNDABOUT)	
A.A.D.T. CURRENT: 4,700	YEAR: 2019	TRUCKS: 13 %	
A.A.D.T. PROJECTED: 6,800	YEAR: 2050	DIRECTION OF DISTRIBUTION: 61 %	
MRD #: 266	ROAD NAME: NEW RD		
FUNCTIONAL CLASS: MAJOR COLLECTOR		D.H.V. PROJECTED: 415	YEAR: 2040
TYPE OF CONSTRUCTION: NEW CONSTRUCTION		DESIGN SPEED: 35 M.P.H. (25 M.P.H. ROUNDABOUT)	
A.A.D.T. CURRENT: 4,599	YEAR: 2014	TRUCKS: 11 %	
A.A.D.T. PROJECTED: 6,500	YEAR: 2040	DIRECTION OF DISTRIBUTION: 58 %	
MRD #: 265	ROAD NAME: MINOS CONAWAY RD		
FUNCTIONAL CLASS: LOCAL		D.H.V. PROJECTED: 600	YEAR: 2050
TYPE OF CONSTRUCTION: NEW CONSTRUCTION		DESIGN SPEED: 35 M.P.H. (25 M.P.H. ROUNDABOUT)	
A.A.D.T. CURRENT: 2,500	YEAR: 2019	TRUCKS: 13 %	
A.A.D.T. PROJECTED: 3,500	YEAR: 2050	DIRECTION OF DISTRIBUTION: 61 %	
MRD #:	ROAD NAME: SERVICE RD A		
FUNCTIONAL CLASS: LOCAL		D.H.V. PROJECTED: 200	YEAR: 2050
TYPE OF CONSTRUCTION: NEW CONSTRUCTION		DESIGN SPEED: 35 M.P.H. (25 M.P.H. ROUNDABOUT)	
A.A.D.T. CURRENT: 1,300	YEAR: 2019	TRUCKS: 13 %	
A.A.D.T. PROJECTED: 1,500	YEAR: 2050	DIRECTION OF DISTRIBUTION: 61 %	
MRD #:	ROAD NAME: RAMP A		
FUNCTIONAL CLASS: LOCAL		D.H.V. PROJECTED: 200	YEAR: 2050
TYPE OF CONSTRUCTION: NEW CONSTRUCTION		DESIGN SPEED: 35 M.P.H. (25 M.P.H. ROUNDABOUT)	
A.A.D.T. CURRENT: 1,300	YEAR: 2019	TRUCKS: 13 %	
A.A.D.T. PROJECTED: 1,500	YEAR: 2050	DIRECTION OF DISTRIBUTION: 61 %	
MRD #:	ROAD NAME: JANICE RD		
FUNCTIONAL CLASS: LOCAL		D.H.V. PROJECTED: 200	YEAR: 2050
TYPE OF CONSTRUCTION: NEW CONSTRUCTION		DESIGN SPEED: 35 M.P.H. (25 M.P.H. ROUNDABOUT)	
A.A.D.T. CURRENT: 1,300	YEAR: 2019	TRUCKS: 13 %	
A.A.D.T. PROJECTED: 1,500	YEAR: 2050	DIRECTION OF DISTRIBUTION: 61 %	

APPROVED DESIGN EXCEPTIONS

DESIGN PARAMETER	REQUIRED	PROVIDED	DATE

ADDENDA & REVISIONS

DESCRIPTION	NAME & DATE

ASSOCIATED CONTRACTS

CONTRACT NO.	CONTRACT NAME
1151	SR 1 (OLD SR 14), FIVE POINTS TO SUSSEX 38
64-05-004	ROUTE 14 (FIVE POINTS TO ROUTE 16)
65-01-002	SR 1 (OLD SR 14), NASSAU TO SR 16 (PAVING)
65-01-001	SR 1 (SR 14), NASSAU BYPASS
RM192	NEW ROAD, NASSAU TO LEWES
T200612501	SR 1, REHOBOTH CANAL TO NORTH OF FIVE POINTS, PEDESTRIAN IMPROVEMENTS
T201630004	GEORGETOWN TO LEWES RAIL WITH TRAIL PHASE II
T202011201	PLANTATION ROAD IMPROVEMENTS, ROBINSONVILLE ROAD TO US 9 (PHASE 1)

PREPARED BY
DELDOT – TRANSPORTATION SOLUTIONS
PROJECT DEVELOPMENT

08/23/2024
DATE

THIS SEAL APPLIES TO ALL SHEETS BEARING THE "PD" SECTION DESIGNATION.

BRIAN J. BEHREND LICENSE No. 17030 DELAWARE PROFESSIONAL ENGINEER

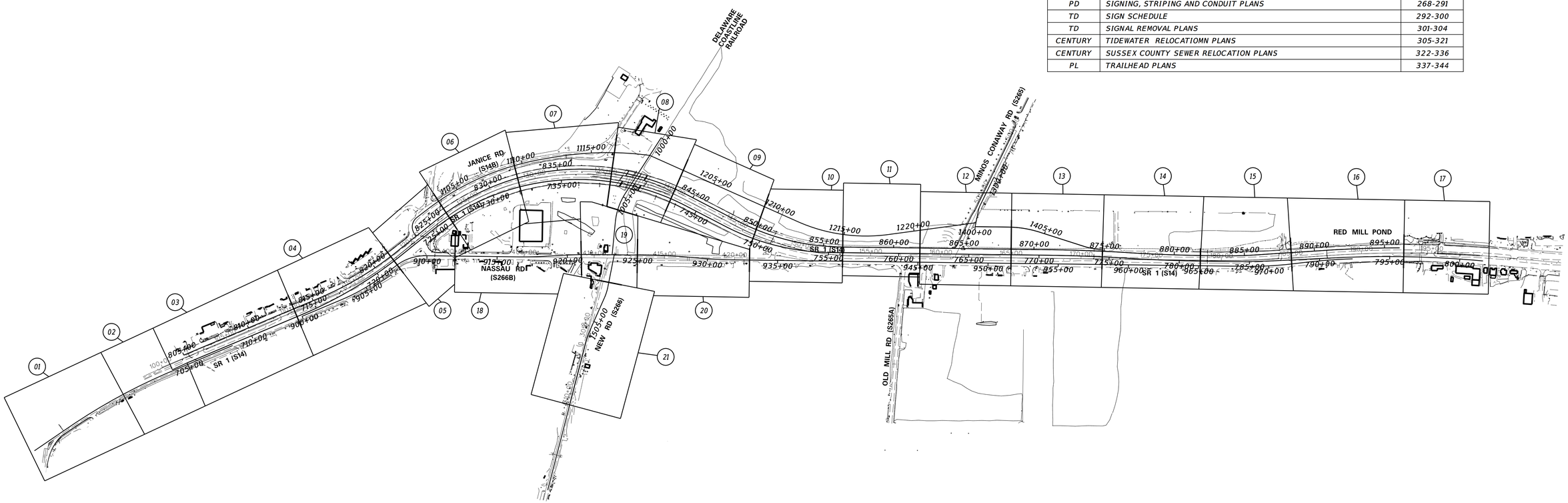
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APPROVED FOR ADVERTISEMENT

08/26/2024
DIRECTOR OF TRANSPORTATION SOLUTIONS — DATE

LAST REVISED: 8/7/2008
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ADDENDA / REVISIONS		SCALE 0 300 600 900 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	INDEX OF SHEETS	SECTION PD
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SHEET NO. 2
					CHECKED BY: B. BEHRENS		

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ADDENDUM PREPARED BY
DELDOT - TRANSPORTATION SOLUTIONS
XXXXXXXXXXXXXXXXXXXX

THIS SEAL APPLIES TO THE FOLLOWING SHEETS
CHANGED UNDER ADDENDUM #X:
XX, XX-XX, XX

DATE

SEAL

REVISION PREPARED BY
DELDOT - TRANSPORTATION SOLUTIONS
XXXXXXXXXXXXXXXXXXXX

THIS SEAL APPLIES TO THE FOLLOWING SHEETS
CHANGED UNDER REVISION #X:
XX, XX-XX, XX

DATE

SEAL

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ADDENDA / REVISIONS		NOT TO SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO.	X	ADDENDA AND REVISIONS	SECTION
				T201612501	DESIGNED BY: N. RIGOLINO			PD
				COUNTY				SHEET NO.
				SUSSEX	CHECKED BY: B. BEHRENS			3

MANMADE ROADSIDE FEATURES

FEATURE DESCRIPTION	EXISTING	PROPOSED	ID
BOLLARD - STEEL POLE	◎		
BOLLARD - WOOD POST	☒		
CURB, TYPE 1 AND TYPE 3	CURB, TYPE "X"		
CURB, TYPE 2			
CURB & GUTTER, TYPE 1			C XXX
CURB & GUTTER, TYPE 2	C&G, TYPE "X"		
CURB & GUTTER, TYPE 3			
CURB OPENING - SUMP / ON GRADE			C O
CURB OPENING WITH SIDEWALK			CO SW
FENCE - CHAINLINK OR STRANDED			F XXX
FENCE - STOCKADE OR SPLIT RAIL			
FLAG POLE	F.P.		
GUARDRAIL - STEEL BEAM, TYPE 1			
GUARDRAIL - STEEL BEAM, TYPE 2			
GUARDRAIL - STEEL BEAM, TYPE 3			
GUARDRAIL - WIRE ROPE			
GUARDRAIL - END ANCHORAGE			GR XXX
GUARDRAIL - END TREATMENT, TYPE 1			
GUARDRAIL - END TREATMENT, TYPE 2			
GUARDRAIL - END TREATMENT, TYPE 3			
GUARDRAIL - IMPACT ATTENUATOR			
LAMP AND POST - RESIDENTIAL	LAMP		
MAILBOX	MB	MB	
PARKING METER AND POST	P.M.		
PAVEMENT - FLEXIBLE			
PAVEMENT - RIGID			
PILE - BRIDGE	□		
PILLAR OR MISCELLANEOUS POST	○		
TRAFFIC SIGN AND POST			
WALL - BRICK OR BLOCK			
WALL - STONE			

DRAINAGE FEATURES

FEATURE DESCRIPTION	EXISTING	PROPOSED	ID
BIOFILTRATION SWALE		BFS	
DITCH OR STREAM CENTERLINE			
DIRECTIONAL STREAM FLOW ARROW			
DRAINAGE INLET	C.B. / D.I.	■	DI XXX
DRAINAGE JUNCTION BOX	J.B.	■	JB XXX
DRAINAGE MANHOLE	Ⓓ	●	MH XXX
DRAINAGE PIPE AND FLOW ARROW	SIZE/TYPE LABEL		P XXX
DRAINAGE PIPE HEADWALL			
FLARED END SECTION			FES XXX
RIPRAP - AREA FEATURE			RR XXX
RIPRAP - LINEAR FEATURE			
SAFETY END SECTION			SES XXX
TURF REINFORCEMENT MATTING			TRM XXX
UNDERDRAIN			UD XXX
UNDERDRAIN OUTLET			UDO XXX

UTILITY FEATURES

FEATURE DESCRIPTION	EXISTING	PROPOSED
CABLE TV DISTRIBUTION BOX	TV	
COMMUNICATIONS - UNDERGROUND	COMM(B)	
ELECTRIC - UNDERGROUND	E(B)	
ELECTRIC MANHOLE	Ⓔ	
ELECTRIC METER	EM	
ELECTRIC TRANSFORMER	E	
GAS - UNDERGROUND	G(B)	
GAS MANHOLE	Ⓖ	
GAS METER	G.M.	
GAS VALVE	G.V.	
GAS PUMP - SERVICE STATION	G.P.	
IRRIGATION - UNDERGROUND	IR(A)	
ITMS - UNDERGROUND	ITMS(A)	ITMS
LIGHTING - UNDERGROUND	LI(A)	LI
LUMINAIRE - POLE MOUNTED		
MANHOLE - UNDETERMINED OWNER	?	
RAILROAD TRACKS		
SANITARY - UNDERGROUND	S(B)	
SANITARY SEWER MANHOLE	Ⓢ	
SANITARY SEWER VALVE	S.V.	
SANITARY SEWER CLEANOUT OR VENT	S.C.O.	
SEPTIC DRAIN FIELD	S.D.F.	
SIGNALIZATION - UNDERGROUND	SIG(A)	SIG
SOIL BORING LOCATION		
TELEPHONE BOOTH	B	
TELEPHONE MANHOLE	Ⓣ	
TELEPHONE TEST POINT	T	
TRAFFIC - CONDUIT JUNCTION WELL	J.W.	
TRAFFIC - LIGHT POLE AND BASE	◎	
TRAFFIC - PEDESTRIAN POLE & BASE		
TRAFFIC - SIGNAL CABINET & BASE		
TRAFFIC - SIGNAL POLE AND BASE	⊗	⊙
UTILITY BOX	U	
UTILITY POLE GUY WIRE ANCHOR		
UTILITY POLE		
UTILITY TEST HOLE LOCATION		
WATER - UNDERGROUND	W(B)	F.H.
WATER - FIRE HYDRANT	F.H.	
WATER METER	W.M.	
WATER VALVE	W.V.	W.V.
WELL HEAD	WELL	

PAVEMENT SECTION(S)

OVERLAY PAVEMENT - SEE TYPICAL SECTIONS FOR MATERIALS AND DEPTHS	
RECONSTRUCTED PAVEMENT - SEE TYPICAL SECTIONS FOR MATERIALS AND DEPTHS	
RECONSTRUCTED PAVEMENT, SR 1 TRAVEL LANES - SEE TYPICAL SECTIONS FOR MATERIALS AND DEPTHS	
SHARED USE PATH - SEE TYPICAL SECTIONS DRIVEWAY AND ENTRANCE PAVEMENT - SEE NOTES FOR MATERIALS AND DEPTHS	

NATURAL ROADSIDE FEATURES

FEATURE DESCRIPTION	EXISTING	PROPOSED
HEDGEROW OR THICKET		
MARSH BOUNDARY LINE		
TREE - CONIFEROUS		
TREE - DECIDUOUS		
TREE STUMP		
SHRUBBERY		
WETLAND BOUNDARY - DELINEATED	WL	
WOODS LINE BOUNDARY		

RIGHT-OF-WAY FEATURES

FEATURE DESCRIPTION	EXISTING	PROPOSED
DENIAL OF ACCESS	DA	DA
EASEMENT - OTHERS	EASEMENT TYPE	
PERMANENT EASEMENT	PE	PE
PROPERTY LINE		
PROPERTY MARKER - CONCRETE	C.M.	⊠
PROPERTY MARKER - IRON PIPE	I.P.	
RIGHT-OF-WAY BASELINE	100+00	100+00
RIGHT-OF-WAY LINE		R/W
RIGHT-OF-WAY & DENIAL OF ACCESS	R/W-DA	R/W-DA
RIGHT-TO-ENTER		RTE
TEMPORARY CONSTRUCTION EASEMENT		TCE

SURVEY CONTROL & MONUMENTATION

FEATURE DESCRIPTION	EXISTING
POINT OF CURVATURE OR TANGENCY	◎
POINT OF INTERSECTING TANGENTS	⊙
SURVEY BENCHMARK LOCATION	B.M.
SURVEY NGS POINT LOCATION	△
SURVEY TIE POINT LOCATION	T.P.
SURVEY TRAVERSE POINT	△

MISCELLANEOUS FEATURES

FEATURE DESCRIPTION	PROPOSED
BARRIER - SPECIAL (SEE DETAIL)	
BARRIER, DOUBLE-FACED, PERMANENT	
BARRIER, SINGLE-FACED, PERMANENT, TEST LEVEL 4 / TEST LEVEL 5	
BRICK PATTERNED SURFACE	
BUTT JOINT	
CLEAR ZONE	CZ
CONSTRUCTION BASELINE	100+00
LATERAL OFFSET	LO
LIMIT OF CONSTRUCTION	LOC
PAVEMENT PATCH	
PAVEMENT REMOVAL - TOPSOIL, SEED AND MULCH	
P.C.C. SIDEWALK - 4"	
P.C.C. SIDEWALK - 6" (USE 8" DEPTH FOR CHANNELIZATION ISLANDS.)	
PATTERNED P.C.C. SIDEWALK - 4"	
PATTERNED P.C.C. SIDEWALK - 6" (USE 8" DEPTH FOR ROUNDABOUT TRUCK APRONS)	

IDENTIFIERS

FEATURE DESCRIPTION	ID
ABANDON BY CONTRACTOR	AB C
ABANDON BY OTHERS	AB O
ADJUST BY CONTRACTOR	A C
ADJUST BY OTHERS	A O
BEST MANAGEMENT PRACTICE	BMP XXXX
BUS STOP PAD / TYPE	BSP X
BUS STOP WITH SHELTER PAD / TYPE	BSSP X
CONCRETE SAFETY BARRIER	B XXX
CONVERT TO JUNCTION BOX	C/JB XXX
CONVERT TO DRAINAGE MANHOLE	CMH XXX
DO NOT DISTURB	DND
ENERGY DISSIPATOR	ED XXX
FILL WITH FLOWABLE FILL	FF C
LANDSCAPE PLANTINGS	LS XXX
PEDESTRIAN CONNECTION / TYPE	PC YX
PEDESTRIAN CONNECTION / TYPE WITHOUT DETECTABLE WARNING SYSTEM	PC-N YXX
RELOCATE BY CONTRACTOR	RL C
RELOCATE BY OTHERS	RL O
RELOCATE BY PROPERTY OWNER	RL PO
REMOVE BY CONTRACTOR	RM C
REMOVE BY OTHERS	RM O
REMOVE BY TRAFFIC CONTRACTOR	RM TC
RIGHT-OF-WAY MONUMENT	R YXX

UTILITY COMPANY FACILITIES

FEATURE DESCRIPTION	EXISTING	PROPOSED
COMCAST CABLE	COM-C(X)	COM-C(X)
DELAWARE ELECTRIC COOPERATIVE	DEC-E(X)	DEC-E(X)
DELAWARE ELECTRIC COOPERATIVE	DEC-E-OH(X)	DEC-E-OH(X)
DELMARVA POWER - ELECTRIC	DP-E-OH(X)	DP-E-OH(X)
DELDOT MULTIDUCT CONDUIT	EX-CON(X)	
EASTERN SHORE NATURAL GAS	ESNG-G(X)	
SUSSEX COUNTY - SEWER	SC-S(X)	SC-S(X)
TIDEWATER UTILITIES - WATER	TU-W(X)	TU-W(X)
VERIZON - UNDERGROUND	VER-C(B)	VER-C(B)
VERIZON - FIBER OPTIC	VER-FO(X)	

ADDENDA / REVISIONS

NOT TO SCALE

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

LEGEND

SECTION	
PD	
SHEET NO.	
4	

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GENERAL NOTES

1. THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE DELAWARE DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS", DATED 2024 AND THE DELAWARE DEPARTMENT OF TRANSPORTATION "STANDARD CONSTRUCTION DETAILS", DATED 2024, INCLUDING ALL REVISIONS UP TO THE DATE OF ADVERTISEMENT.

2. ELECTRONIC DESIGN DATA FILES THAT WILL BE MADE AVAILABLE TO THE AWARDED CONTRACTOR, INCLUDE:

( )	NONE
(X)	ASCII DATA FILES WITH COORDINATES AND ELEVATIONS FOR PROPOSED POINTS AS SELECTED BY THE ENGINEER.
(X)	EXISTING DIGITAL TERRAIN MODEL, IN .DTM FILE FORMAT, COMPATIBLE WITH SOFTWARE CURRENTLY USED BY DELDOT.
(X)	PROPOSED DIGITAL TERRAIN MODEL, IN .DTM FILE FORMAT, COMPATIBLE WITH SOFTWARE CURRENTLY USED BY DELDOT.
(X)	DESIGN FILE, IN .DGN FILE FORMAT, THAT CONTAINS 3D FEATURE LINES FOR THE PROPOSED DESIGN. 3D FEATURE LINES ARE FOR THE PROPOSED TOP SURFACE ELEVATION ONLY.

NOTE: THE DOCUMENT ENTITLED "ELECTRONIC FILE SHARING RELEASE" MUST BE SIGNED BY ALL PARTIES PRIOR TO THE DELIVERY OF ANY ELECTRONIC PROJECT FILES.

NOTE: THERE MAY BE SOME AREAS OF THE PROJECT NOT INCLUDED IN THE ELECTRONIC DESIGN DATA FILE(S). IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW THE DESIGN DATA FILE AND DETERMINE THE LIMITS OF THE PROJECT INCLUDED.

3. PROJECT FILES THAT WILL BE MADE AVAILABLE TO THE CONTRACTOR, INCLUDE:

(X)	CROSS SECTIONS
(X)	RIGHT-OF-WAY PLANS

PROJECT NOTES

SECTION 100

1. ANY DAMAGE TO ITEMS NOTED TO BE RELOCATED OR RESET BY THE CONTRACTOR, AT THE DISCRETION OF THE ENGINEER, SHALL BE REPAIRED AND/OR REPLACED IN KIND AT THE CONTRACTOR'S EXPENSE.

2. THE CONTRACTOR WILL CONTACT THE DELAWARE TMC AT 302-659-4600 PRIOR TO ANY UNMANNED AIRCRAFT VEHICLE (UAV) FLIGHTS. THE CONTRACTOR WILL BE REQUIRED TO PROVIDE THE FOLLOWING INFORMATION: THE REGISTRATION NUMBER OF THE UAV, THE FLIGHT TIME, LOCATION OF THE FLIGHT, THE PILOT'S NAME AND THE PILOT'S CONTACT NUMBER DURING THE FLIGHT.

3. A NIGHT WORK SURVEY OF ADJACENT PROPERTY OWNERS WAS CONDUCTED AND LOCAL NOISE ORDINANCES HAVE BEEN VERIFIED. NIGHT WORK IS PERMITTED ON THIS CONTRACT.

SECTION 200

4. THE CONTRACTOR SHALL REMOVE AND RESET ALL MAILBOXES TO MAINTAIN MAIL SERVICE AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL RELOCATE MAILBOXES AS REQUIRED BY THE PROPOSED GEOMETRICS AND AS DIRECTED BY THE ENGINEER. WHEN RELOCATING MAILBOXES IN CURBED SECTIONS, THE FACE OF THE MAILBOX SHALL BE FLUSH WITH THE BACK EDGE OF CURB. WHEN RELOCATING MAILBOXES IN OPEN SECTIONS, THE FACE OF THE MAILBOX SHALL SET BACK 8 INCHES FROM THE EDGE OF THE PAVED SHOULDER. THE BOTTOM OF THE MAILBOX SHALL BE POSITIONED IN ACCORDANCE WITH THE LATEST VERSION OF THE UNITED STATES POSTAL SERVICE GUIDELINES. MAILBOXES LOCATED AT DRIVEWAY ENTRANCES SHALL BE PLACED ON THE FAR SIDE OF THE DRIVEWAY IN THE DIRECTION OF TRAVEL. POSTS BEING RESET IN CONCRETE SIDEWALK SHALL BE IN AN APPROPRIATE SIZE PVC SLEEVE. ACCEPTABLE POST SHALL BE 4 INCH X 4 INCH WOOD POST OR 4 INCH DIAMETER WOOD POST. FOR RELOCATING MULTIPLE MAILBOXES TOGETHER ALL POST SHALL BE SEPARATED BY A DISTANCE OF NO LESS THAN 3/4 OF THEIR FULL HEIGHT ABOVE THE GROUND. MULTIPLE MAILBOXES ATTACHED TO A SINGLE HORIZONTAL BOARD SHALL NOT BE LOCATED INSIDE THE CLEARZONE. EACH MAIL BOX SHALL BE PLACED ON AN INDIVIDUAL POST MEETING THE CRITERIA ABOVE. ALL MAILBOXES SHALL BE SET NOT TO IMPEDE THE MINIMUM PAR (PEDESTRIAN ACCESS ROUTE) WIDTH AS DETERMINED BY THE CURRENT EDITION OF THE PEDESTRIAN ACCESSIBILITY STANDARDS FOR FACILITIES IN THE PUBLIC RIGHT OF WAY.IF MAILBOXES ARE NOT SET IN ACCORDANCE WITH THE ABOVE DIRECTIONS, RESETTING OF THE MAILBOXES WILL BE AT THE COST OF THE CONTRACTOR. COST FOR ALL WORK AND MATERIALS SHALL BE PAID UNDER ITEM 201000 - CLEARING AND GRUBBING.

5. ITEMS TO BE REMOVED UNDER ITEM 211000 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
   - A. EXISTING DRAINAGE STRUCTURES
   - B. EXISTING POLE BASES
   - C. EXISTING SIGNAL AND CABINET AT TULIP DR
   - D. EXISTING FIRE SIGNAL AT JANICE RD
   - E. EXISTING HEADWALLS
   - F. EXISTING LIGHTING POLES
   - G. EXISTING KIOSK TO BE RELOCATED PER TRAILHEAD DETAIL SHEET

6. UNLESS OTHERWISE NOTED AS DO NOT DISTURB OR ADJUST BY CONTRACTOR/OTHERS, ALL EXISTING FEATURES, INCLUDING TREES, WITHIN THE PROPOSED LOC SHALL BE REMOVED BY THE CONTRACTOR AND PAID FOR UNDER THE RESPECTIVE BID ITEM. REMOVAL OF EXISTING STORM DRAIN PIPE SHALL BE PAID UNDER ITEM 202000 UNLESS NOTED WITH A FLOWABLE FILL IDENTIFIER, REMOVAL OF TREES AND SHRUBS SHALL BE PAID FOR UNDER 201000, AND REMOVAL OF ADDITIONAL EXISTING FEATURES SHALL BE PAID FOR UNDER ITEM 201000 AS NOTED IN SECTION 200 OF THE PROJECT NOTES.

7. EXCESS EXCAVATED SUITABLE MATERIALS BECOME THE PROPERTY OF THE DEPARTMENT; REMOVE SUCH MATERIALS FROM THE PROJECT AS SPECIFIED IN SECTION 106.8.

SECTION 400

8. THE PAVEMENT SECTION FOR FLEXIBLE PAVEMENT RESIDENTIAL DRIVEWAYS SHALL BE 2" BITUMINOUS CONCRETE, TYPE 'C' OVER 8" GRADED AGGREGATE BASE COURSE, TYPE 'B', UNLESS OTHERWISE NOTED ON THE PLANS

   THE PAVEMENT SECTION FOR FLEXIBLE PAVEMENT COMMERCIAL ENTRANCES SHALL BE 2" BITUMINOUS CONCRETE, TYPE 'C' OVER 3" BITUMINOUS CONCRETE, TYPE 'B' OVER 8" GRADED AGGREGATE BASE COURSE, TYPE 'B', UNLESS OTHERWISE NOTED ON THE PLANS

PROJECT NOTES

SECTION 600

9. STATION AND ELEVATION DATA GIVEN FOR DRAINAGE STRUCTURES ARE TO BE APPLIED TO THE CENTER OF THE GRATE FOR INLETS AND TO THE CENTER OF THE STRUCTURE FOR JUNCTION BOXES AND MANHOLES.

SECTION 700

10. IN AREAS WHERE PROPOSED CURB MEETS EXISTING CURB AND THE TWO CURB TYPES ARE NOT SIMILAR, THE PROPOSED CURB SHALL BE TRANSITIONED IN 10 LINEAR FEET, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE TRANSITIONED CURB WORK SHALL BE MEASURED AND PAID FOR UNDER THE PROPOSED CURB ITEM. SAW CUTTING OF THE EXISTING CURB SHALL BE INCIDENTAL TO THE PROPOSED CURB ITEM.

11. WHERE PROPOSED CONCRETE SIDEWALK IS CONSTRUCTED TO MEET EXISTING SIDEWALK, THE EXISTING SIDEWALK SHALL BE SAWCUT AT THE TIE-IN POINT OR MEET THE NEAREST EXISTING SIDEWALK JOINT. ALL SAW CUTTING SHALL BE FULL DEPTH, UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE ENGINEER AND SHALL BE PAID FOR UNDER ITEM 762001 - SAWCUTTING, CONCRETE, FULL DEPTH.

12. PORTLAND CEMENT CONCRETE CHANNELIZING ISLANDS THAT ARE LESS THAN 75 SQ FT MAY BE POURED MONOLITHICALLY, OR AS DIRECTED BY THE ENGINEER.

13. ALL PAVED AREAS TO BE RECONSTRUCTED OR WIDENED SHALL BE SAWCUT AT THE POINT WHERE THE NEW PAVEMENT IS TO TIE INTO THE EXISTING PAVEMENT.

14. CONTAMINATED MATERIALS NOTES
    1. A CONTAMINATED MATERIALS MANAGEMENT PLAN (CMMP) AND HEALTH AND SAFETY PLAN (HASP) HAVE BEEN PROVIDED AS PART OF THE CONTRACT DOCUMENTS. COOPERATION SHALL BE MAINTAINED WITH DNREC PERSONNEL AND THE DEPARTMENT'S ENVIRONMENTAL REPRESENTATIVE THROUGHOUT THE DURATION OF THE CONTRACT TO ENSURE THAT THE GOALS OF THE PROGRAM ARE ADDRESSED. EXCAVATION WORK WILL TAKE PLACE IN AREAS THAT MAY CONTAIN CONTAMINATED SOIL AND/OR GROUNDWATER.

    2. WORKER SAFETY TRAINING AND PERSONAL PROTECTIVE EQUIPMENT REQUIREMENTS FOR EXCAVATION CONTRACTORS OUTLINED IN THE HASP ARE:
       - A. 24-HOUR OSHA HAZWOPER TRAINING.
       - B. MODIFIED LEVEL D PERSONAL PROTECTIVE EQUIPMENT (HARD HATS, STEEL TOE BOOTS, NITRILE GLOVES, SAFETY VESTS).
       - C. POSSIBLE OSHA LEVEL C PERSONAL PROTECTIVE EQUIPMENT/40-HOUR OSHA HAZWOPER TRAINING UPGRADE IN AREAS SHOWN ON PLANS OR AS DIRECTED BY THE ENVIRONMENTAL REPRESENTATIVE.

    CONTRACTOR IS REFERRED TO THE PROJECT'S HASP FOR DETAILED INFORMATION REGARDING REQUIRED HEALTH AND SAFETY PRACTICES FOR THIS CONTRACT. ALL COSTS ASSOCIATED WITH THE REQUIRED TRAINING, PERSONAL PROTECTIVE EQUIPMENT, ETC. TO BE IN COMPLIANCE WITH THE PROJECT'S HASP SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM 763000, INITIAL EXPENSE.

    3. IN ORDER TO COMPLY WITH DNREC'S FINAL PLAN OF REMEDIAL ACTION, ALL IMPORTED MATERIAL SHALL BE TESTED AND APPROVED BY DNREC. THE DEPARTMENT'S ENVIRONMENTAL REPRESENTATIVE WILL BE RESPONSIBLE TO CONDUCT THE TESTING AND SUBMIT THE FINDINGS TO DNREC. THE CONTRACTOR SHALL SUBMIT MATERIAL SOURCES AT THE TIME OF PROJECT AWARD IN ORDER TO COMPLY WITH DNREC'S 30-DAY SOURCE APPROVAL TIMEFRAME.

    4. NO SOIL CAN BE TAKEN OFF SITE WITHOUT APPROVAL OF THE ENGINEER. CONTAMINATED SOIL DISPOSAL WILL BE HANDLED BY THE DEPARTMENT'S ENVIRONMENTAL REPRESENTATIVE. ALL SOIL EXCAVATED DUE TO THE PROJECT'S CONSTRUCTION SHALL BE STOCKPILED IN THE DESIGNATED STOCKPILE AREAS, REUSED AS BACKFILL MATERIAL, OR DIRECT LOADED INTO THE ENVIRONMENTAL REPRESENTATIVE'S TRUCKS, AS DIRECTED IN ACCORDANCE WITH THE CONTAMINATED MATERIALS MANAGEMENT PLAN (CMMP) AND DELDOT STANDARD MATERIAL SPECIFICATIONS. SOIL THAT IS ENVIRONMENTALLY SUITABLE FOR REUSE WILL BE PAID FOR UNDER THE APPROPRIATE ITEM (201000, 202000, 207002, 211000).
    THE CONTRACTOR SHALL REUSE CONTAMINATED SOIL AS EMBANKMENT, FILL OR OTHER APPROPRIATE ON-SITE USE AS DETERMINED AND APPROVED BY THE ENGINEER AND THE ENVIRONMENTAL REPRESENTATIVE, AND IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

SECTION 900

15. THIS PROJECT IS COVERED UNDER AN NPDES GENERAL PERMIT FOR CONSTRUCTION. UNDER THE GENERAL PERMIT, COMPLIANCE WITH DELDOT'S APPROVED SEDIMENT AND STORMWATER MANAGEMENT PLANS WILL CONSTITUTE COMPLIANCE WITH THE NPDES INDUSTRIAL PERMITTING REQUIREMENTS FOR THIS CONSTRUCTION PROJECT. A COPY OF THE NPDES GENERAL PERMIT AND NOI IS KEPT ON FILE IN EACH OF THE CONSTRUCTION OFFICES AND THE DEPARTMENT'S STORMWATER SECTION. A COPY OF THE GENERAL PERMIT OR THE NOI CAN BE OBTAINED UPON REQUEST FROM EITHER THE DEPARTMENT'S STORMWATER ENGINEER OR THE APPROPRIATE CONSTRUCTION ENGINEER.

16. PROVIDE ALL DNREC REQUIRED POST CONSTRUCTION VERIFICATION DOCUMENTATION FOR STORMWATER BEST MANAGEMENT PRACTICES (BMP) TO THE ENGINEER AT THE TIME OF SUBSTANTIAL COMPLETION.

PROJECT NOTES

MISCELLANEOUS

17. THE CONTRACTOR SHALL NOTIFY DART FIRST STATE AT DOT_DETOURS@DELAWARE.GOV AT LEAST 14 DAYS PRIOR TO THE START OF ANY DETOURS OR CONSTRUCTION, AND DOT_DTC_PROJECTDEVELOPMENT@DELAWARE.GOV AT SUCH TIME THE FACILITY IS COMPLETED AND OPERABLE FOR TRANSIT OPERATIONS. FOR EMERGENCY DETOUR INFORMATION ONLY, PLEASE CONTACT DTC'S CHIEF SCHEDULER AT 302-576-6019.

18. ALL DART SIGNS HAVE BEEN UPDATED TO A NEW DESIGN. THE DELDOT SIGN SHOP DOES NOT FABRICATE THE UPDATED SIGN OR ANY SUPPLEMENTAL PLAQUES TO ALLOW FOR ADDITIONAL ROUTE NUMBERS. ALL REQUESTS FOR FABRICATION OF THESE SIGNS MUST BE MADE THROUGH DART TRANSIT AT (302) 576-6132.

19. CONSTRUCT PROPOSED EARTH BERM IN ACCORDANCE WITH SECTION 202 OF THE STANDARD SPECIFICATIONS.

20. ALL SEWER MANHOLE COVERS THAT ARE WITHIN THE PROPOSED PEDESTRIAN ACCESS ROUTES (PAR) SHALL BE REPLACED WITH AN ADA-COMPLIANT COVERS. ALL WORK AND MATERIALS SHALL BE INCIDENTAL TO THE ADJUSTING AND REPAIRING FOR THAT SPECIFIC SANITARY MANHOLE AND IS PAID FOR UNDER ITEM 711500 - ADJUST AND REPAIR EXISTING SANITARY MANHOLE.

21. SEWER PIPES SHALL BE ENCASED IN CONCRETE IN ALL AREAS WHERE PROPOSED DRAINAGE PIPES HAVE LESS THAN 1 FT OF SEPARATION WITH EXISTING OR PROPOSED SEWER PIPES.

22. ANY STAGING AND/OR STOCKPILE AREA(S) OUTSIDE THE PROJECT'S LIMIT OF CONSTRUCTION (LOC) THAT INDIVIDUALLY OR CUMULATIVELY ARE LARGER THAN 10,000 SQUARE FEET, MUST BE APPROVED BY DELDOT'S ARCHAEOLOGIST. CONTACT THE CONSTRUCTION AREA ENGINEER WHO WILL COORDINATE WITH DELDOT'S ARCHAEOLOGIST.

    WITHIN 30 DAYS, DELDOT WILL;
    1) APPROVE THE USE OF THE PROPOSED STAGING AND STOCKPILE AREA(S);
    2) REJECT THE REQUEST; OR
    3) PERFORM AN ARCHAEOLOGICAL SURVEY TO DETERMINE WHETHER TO APPROVE OR REJECT THE REQUEST, WHICH MAY TAKE UP TO 3 MONTHS. IF AN ARCHAEOLOGICAL SURVEY IS NECESSARY, DELDOT OR A CONSULTANT ON ITS BEHALF WILL UNDERTAKE THE SURVEY.

23. NIGHTWORK IS NOT PERMITTED ADJACENT TO THE NASSAU GROVE COMMUNITY.

ADDENDA / REVISIONS		NOT TO SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO. X	NOTES	SECTION
				T201612501	DESIGNED BY: N. RIGOLINO		PD
				COUNTY	CHECKED BY: B. BEHRENS		SHEET NO.
				SUSSEX			5

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PHASE 1 EARTHWORK SUMMARY

EXCAVATION	
EXCAVATION FROM CROSS SECTIONS	2,587 C.Y.
ROCK EXCAVATION FOR ROADWAY AND TRENCHES	0 C.Y.
TOPSOIL STRIPPING	0 C.Y.
TOTAL EXCAVATION	2,437 C.Y.
EXCAVATION AVAILABLE FOR EMBANKMENT	
EXCAVATION MEETING BORROW TYPE 'A'	0 C.Y.
EXCAVATION MEETING BORROW TYPE 'F'	55 C.Y.
EXCAVATION MEETING TOPSOIL	313 C.Y.
EMBANKMENT REQUIREMENTS	
BORROW TYPE 'A' REQUIRED (INCLUDING UNDERCUT)	506 C.Y.
BORROW TYPE 'F' REQUIRED	53 C.Y.
TOPSOIL REQUIRED	213 C.Y.
MATERIAL BALANCE ("+"= EXCESS, "-"= NEED)	
BORROW TYPE 'A'	-506 C.Y.
BORROW TYPE 'F'	2 C.Y.
TOPSOIL	100 C.Y.
UNSUITABLE MATERIAL	2,070 C.Y.

NOTES:
1) THE VALUES LISTED IN THE EARTHWORK SUMMARY ARE APPROXIMATE AND ARE NOT TO BE USED AS A BASIS OF PAYMENT. THE EARTHWORK SUMMARY IS CONSIDERED FOR INFORMATIONAL PURPOSES ONLY.

2) OTHER SOURCES OF EXCAVATION MAY INCLUDE PIPE TRENCH EXCAVATION, STRUCTURE EXCAVATION, UNDERCUT EXCAVATION, STORMWATER MANAGEMENT POND EXCAVATION, ENVIRONMENTAL SITE EXCAVATION, MAINTENANCE OF TRAFFIC EXCAVATION, ETC.

3) UNSUITABLE MATERIALS INCLUDE UNDERCUT SOILS, BITUMINOUS PAVEMENT, ETC.

PHASE 2 EARTHWORK SUMMARY

EXCAVATION	
EXCAVATION FROM CROSS SECTIONS	109,266 C.Y.
ROCK EXCAVATION FOR ROADWAY AND TRENCHES	0 C.Y.
TOPSOIL STRIPPING	0 C.Y.
TOTAL EXCAVATION	109,192 C.Y.
EXCAVATION AVAILABLE FOR EMBANKMENT	
EXCAVATION MEETING BORROW TYPE 'A'	0 C.Y.
EXCAVATION MEETING BORROW TYPE 'F'	78,544 C.Y.
EXCAVATION MEETING TOPSOIL	4,675 C.Y.
EMBANKMENT REQUIREMENTS	
BORROW TYPE 'A' REQUIRED (INCLUDING UNDERCUT)	12,451 C.Y.
BORROW TYPE 'F' REQUIRED	28,745 C.Y.
TOPSOIL REQUIRED	13,785 C.Y.
MATERIAL BALANCE ("+"= EXCESS, "-"= NEED)	
BORROW TYPE 'A'	-12,451 C.Y.
BORROW TYPE 'F'	49,799 C.Y.
TOPSOIL	-9,110 C.Y.
UNSUITABLE MATERIAL	25,973 C.Y.

NOTES:
1) THE VALUES LISTED IN THE EARTHWORK SUMMARY ARE APPROXIMATE AND ARE NOT TO BE USED AS A BASIS OF PAYMENT. THE EARTHWORK SUMMARY IS CONSIDERED FOR INFORMATIONAL PURPOSES ONLY.

2) OTHER SOURCES OF EXCAVATION MAY INCLUDE PIPE TRENCH EXCAVATION, STRUCTURE EXCAVATION, UNDERCUT EXCAVATION, STORMWATER MANAGEMENT POND EXCAVATION, ENVIRONMENTAL SITE EXCAVATION, MAINTENANCE OF TRAFFIC EXCAVATION, ETC.

3) UNSUITABLE MATERIALS INCLUDE UNDERCUT SOILS, BITUMINOUS PAVEMENT, ETC.

PHASE 3 EARTHWORK SUMMARY

EXCAVATION	
EXCAVATION FROM CROSS SECTIONS	3,657 C.Y.
ROCK EXCAVATION FOR ROADWAY AND TRENCHES	0 C.Y.
TOPSOIL STRIPPING	0 C.Y.
TOTAL EXCAVATION	3,628 C.Y.
EXCAVATION AVAILABLE FOR EMBANKMENT	
EXCAVATION MEETING BORROW TYPE 'A'	0 C.Y.
EXCAVATION MEETING BORROW TYPE 'F'	0 C.Y.
EXCAVATION MEETING TOPSOIL	0 C.Y.
EMBANKMENT REQUIREMENTS	
BORROW TYPE 'A' REQUIRED (INCLUDING UNDERCUT)	714 C.Y.
BORROW TYPE 'F' REQUIRED	1,249 C.Y.
TOPSOIL REQUIRED	898 C.Y.
MATERIAL BALANCE ("+"= EXCESS, "-"= NEED)	
BORROW TYPE 'A'	-714 C.Y.
BORROW TYPE 'F'	-1,249 C.Y.
TOPSOIL	-898 C.Y.
UNSUITABLE MATERIAL	3,628 C.Y.

NOTES:
1) THE VALUES LISTED IN THE EARTHWORK SUMMARY ARE APPROXIMATE AND ARE NOT TO BE USED AS A BASIS OF PAYMENT. THE EARTHWORK SUMMARY IS CONSIDERED FOR INFORMATIONAL PURPOSES ONLY.

2) OTHER SOURCES OF EXCAVATION MAY INCLUDE PIPE TRENCH EXCAVATION, STRUCTURE EXCAVATION, UNDERCUT EXCAVATION, STORMWATER MANAGEMENT POND EXCAVATION, ENVIRONMENTAL SITE EXCAVATION, MAINTENANCE OF TRAFFIC EXCAVATION, ETC.

3) UNSUITABLE MATERIALS INCLUDE UNDERCUT SOILS, BITUMINOUS PAVEMENT, ETC.

PHASE 5 EARTHWORK SUMMARY

EXCAVATION	
EXCAVATION FROM CROSS SECTIONS	5,056 C.Y.
ROCK EXCAVATION FOR ROADWAY AND TRENCHES	0 C.Y.
TOPSOIL STRIPPING	0 C.Y.
TOTAL EXCAVATION	5,050 C.Y.
EXCAVATION AVAILABLE FOR EMBANKMENT	
EXCAVATION MEETING BORROW TYPE 'A'	0 C.Y.
EXCAVATION MEETING BORROW TYPE 'F'	0 C.Y.
EXCAVATION MEETING TOPSOIL	0 C.Y.
EMBANKMENT REQUIREMENTS	
BORROW TYPE 'A' REQUIRED (INCLUDING UNDERCUT)	1,656 C.Y.
BORROW TYPE 'F' REQUIRED	285 C.Y.
TOPSOIL REQUIRED	928 C.Y.
MATERIAL BALANCE ("+"= EXCESS, "-"= NEED)	
BORROW TYPE 'A'	-1,656 C.Y.
BORROW TYPE 'F'	-285 C.Y.
TOPSOIL	-928 C.Y.
UNSUITABLE MATERIAL	-5,050 C.Y.

NOTES:
1) THE VALUES LISTED IN THE EARTHWORK SUMMARY ARE APPROXIMATE AND ARE NOT TO BE USED AS A BASIS OF PAYMENT. THE EARTHWORK SUMMARY IS CONSIDERED FOR INFORMATIONAL PURPOSES ONLY.

2) OTHER SOURCES OF EXCAVATION MAY INCLUDE PIPE TRENCH EXCAVATION, STRUCTURE EXCAVATION, UNDERCUT EXCAVATION, STORMWATER MANAGEMENT POND EXCAVATION, ENVIRONMENTAL SITE EXCAVATION, MAINTENANCE OF TRAFFIC EXCAVATION, ETC.

3) UNSUITABLE MATERIALS INCLUDE UNDERCUT SOILS, BITUMINOUS PAVEMENT, ETC.

TOTAL EARTHWORK SUMMARY

EXCAVATION	
EXCAVATION FROM CROSS SECTIONS	143,203 C.Y.
ROCK EXCAVATION FOR ROADWAY AND TRENCHES	0 C.Y.
TOPSOIL STRIPPING	0 C.Y.
TOTAL EXCAVATION	142,612 C.Y.
EXCAVATION AVAILABLE FOR EMBANKMENT	
EXCAVATION MEETING BORROW TYPE 'A'	0 C.Y.
EXCAVATION MEETING BORROW TYPE 'F'	78,598 C.Y.
EXCAVATION MEETING TOPSOIL	4,988 C.Y.
EMBANKMENT REQUIREMENTS	
BORROW TYPE 'A' REQUIRED (INCLUDING UNDERCUT)	22,429 C.Y.
BORROW TYPE 'F' REQUIRED	39,552 C.Y.
TOPSOIL REQUIRED	25,502 C.Y.
MATERIAL BALANCE ("+"= EXCESS, "-"= NEED)	
BORROW TYPE 'A'	-22,429 C.Y.
BORROW TYPE 'F'	39,046 C.Y.
TOPSOIL	-20,514 C.Y.
UNSUITABLE MATERIAL	59,025 C.Y.

NOTES:
1) THE VALUES LISTED IN THE EARTHWORK SUMMARY ARE APPROXIMATE AND ARE NOT TO BE USED AS A BASIS OF PAYMENT. THE EARTHWORK SUMMARY IS CONSIDERED FOR INFORMATIONAL PURPOSES ONLY.

2) OTHER SOURCES OF EXCAVATION MAY INCLUDE PIPE TRENCH EXCAVATION, STRUCTURE EXCAVATION, UNDERCUT EXCAVATION, STORMWATER MANAGEMENT POND EXCAVATION, ENVIRONMENTAL SITE EXCAVATION, MAINTENANCE OF TRAFFIC EXCAVATION, ETC.

3) UNSUITABLE MATERIALS INCLUDE UNDERCUT SOILS, BITUMINOUS PAVEMENT, ETC.

PHASE 6 EARTHWORK SUMMARY

EXCAVATION	
EXCAVATION FROM CROSS SECTIONS	6,288 C.Y.
ROCK EXCAVATION FOR ROADWAY AND TRENCHES	0 C.Y.
TOPSOIL STRIPPING	0 C.Y.
TOTAL EXCAVATION	6,165 C.Y.
EXCAVATION AVAILABLE FOR EMBANKMENT	
EXCAVATION MEETING BORROW TYPE 'A'	0 C.Y.
EXCAVATION MEETING BORROW TYPE 'F'	0 C.Y.
EXCAVATION MEETING TOPSOIL	0 C.Y.
EMBANKMENT REQUIREMENTS	
BORROW TYPE 'A' REQUIRED (INCLUDING UNDERCUT)	1,228 C.Y.
BORROW TYPE 'F' REQUIRED	643 C.Y.
TOPSOIL REQUIRED	1,449 C.Y.
MATERIAL BALANCE ("+"= EXCESS, "-"= NEED)	
BORROW TYPE 'A'	-1,228 C.Y.
BORROW TYPE 'F'	-643 C.Y.
TOPSOIL	-1,449 C.Y.
UNSUITABLE MATERIAL	6,165 C.Y.

NOTES:
1) THE VALUES LISTED IN THE EARTHWORK SUMMARY ARE APPROXIMATE AND ARE NOT TO BE USED AS A BASIS OF PAYMENT. THE EARTHWORK SUMMARY IS CONSIDERED FOR INFORMATIONAL PURPOSES ONLY.

2) OTHER SOURCES OF EXCAVATION MAY INCLUDE PIPE TRENCH EXCAVATION, STRUCTURE EXCAVATION, UNDERCUT EXCAVATION, STORMWATER MANAGEMENT POND EXCAVATION, ENVIRONMENTAL SITE EXCAVATION, MAINTENANCE OF TRAFFIC EXCAVATION, ETC.

3) UNSUITABLE MATERIALS INCLUDE UNDERCUT SOILS, BITUMINOUS PAVEMENT, ETC.

PHASE 7 EARTHWORK SUMMARY

EXCAVATION	
EXCAVATION FROM CROSS SECTIONS	5,289 C.Y.
ROCK EXCAVATION FOR ROADWAY AND TRENCHES	0 C.Y.
TOPSOIL STRIPPING	0 C.Y.
TOTAL EXCAVATION	5,626 C.Y.
EXCAVATION AVAILABLE FOR EMBANKMENT	
EXCAVATION MEETING BORROW TYPE 'A'	0 C.Y.
EXCAVATION MEETING BORROW TYPE 'F'	0 C.Y.
EXCAVATION MEETING TOPSOIL	0 C.Y.
EMBANKMENT REQUIREMENTS	
BORROW TYPE 'A' REQUIRED (INCLUDING UNDERCUT)	1,138 C.Y.
BORROW TYPE 'F' REQUIRED	28 C.Y.
TOPSOIL REQUIRED	137 C.Y.
MATERIAL BALANCE ("+"= EXCESS, "-"= NEED)	
BORROW TYPE 'A'	-1,138 C.Y.
BORROW TYPE 'F'	-28 C.Y.
TOPSOIL	-137 C.Y.
UNSUITABLE MATERIAL	5,626 C.Y.

NOTES:
1) THE VALUES LISTED IN THE EARTHWORK SUMMARY ARE APPROXIMATE AND ARE NOT TO BE USED AS A BASIS OF PAYMENT. THE EARTHWORK SUMMARY IS CONSIDERED FOR INFORMATIONAL PURPOSES ONLY.

2) OTHER SOURCES OF EXCAVATION MAY INCLUDE PIPE TRENCH EXCAVATION, STRUCTURE EXCAVATION, UNDERCUT EXCAVATION, STORMWATER MANAGEMENT POND EXCAVATION, ENVIRONMENTAL SITE EXCAVATION, MAINTENANCE OF TRAFFIC EXCAVATION, ETC.

3) UNSUITABLE MATERIALS INCLUDE UNDERCUT SOILS, BITUMINOUS PAVEMENT, ETC.

PHASE 8 EARTHWORK SUMMARY

EXCAVATION	
EXCAVATION FROM CROSS SECTIONS	6,262 C.Y.
ROCK EXCAVATION FOR ROADWAY AND TRENCHES	0 C.Y.
TOPSOIL STRIPPING	0 C.Y.
TOTAL EXCAVATION	6,262 C.Y.
EXCAVATION AVAILABLE FOR EMBANKMENT	
EXCAVATION MEETING BORROW TYPE 'A'	0 C.Y.
EXCAVATION MEETING BORROW TYPE 'F'	0 C.Y.
EXCAVATION MEETING TOPSOIL	0 C.Y.
EMBANKMENT REQUIREMENTS	
BORROW TYPE 'A' REQUIRED (INCLUDING UNDERCUT)	3,141 C.Y.
BORROW TYPE 'F' REQUIRED	1,561 C.Y.
TOPSOIL REQUIRED	1,073 C.Y.
MATERIAL BALANCE ("+"= EXCESS, "-"= NEED)	
BORROW TYPE 'A'	-3,141 C.Y.
BORROW TYPE 'F'	-1,561 C.Y.
TOPSOIL	-1,073 C.Y.
UNSUITABLE MATERIAL	6,262 C.Y.

NOTES:
1) THE VALUES LISTED IN THE EARTHWORK SUMMARY ARE APPROXIMATE AND ARE NOT TO BE USED AS A BASIS OF PAYMENT. THE EARTHWORK SUMMARY IS CONSIDERED FOR INFORMATIONAL PURPOSES ONLY.

2) OTHER SOURCES OF EXCAVATION MAY INCLUDE PIPE TRENCH EXCAVATION, STRUCTURE EXCAVATION, UNDERCUT EXCAVATION, STORMWATER MANAGEMENT POND EXCAVATION, ENVIRONMENTAL SITE EXCAVATION, MAINTENANCE OF TRAFFIC EXCAVATION, ETC.

3) UNSUITABLE MATERIALS INCLUDE UNDERCUT SOILS, BITUMINOUS PAVEMENT, ETC.

PHASE 9 EARTHWORK SUMMARY

EXCAVATION	
EXCAVATION FROM CROSS SECTIONS	4,258 C.Y.
ROCK EXCAVATION FOR ROADWAY AND TRENCHES	0 C.Y.
TOPSOIL STRIPPING	0 C.Y.
TOTAL EXCAVATION	4,252 C.Y.
EXCAVATION AVAILABLE FOR EMBANKMENT	
EXCAVATION MEETING BORROW TYPE 'A'	0 C.Y.
EXCAVATION MEETING BORROW TYPE 'F'	0 C.Y.
EXCAVATION MEETING TOPSOIL	0 C.Y.
EMBANKMENT REQUIREMENTS	
BORROW TYPE 'A' REQUIRED (INCLUDING UNDERCUT)	1,595 C.Y.
BORROW TYPE 'F' REQUIRED	6,988 C.Y.
TOPSOIL REQUIRED	7,018 C.Y.
MATERIAL BALANCE ("+"= EXCESS, "-"= NEED)	
BORROW TYPE 'A'	-1,595 C.Y.
BORROW TYPE 'F'	-6,988 C.Y.
TOPSOIL	-7,018 C.Y.
UNSUITABLE MATERIAL	4,252 C.Y.

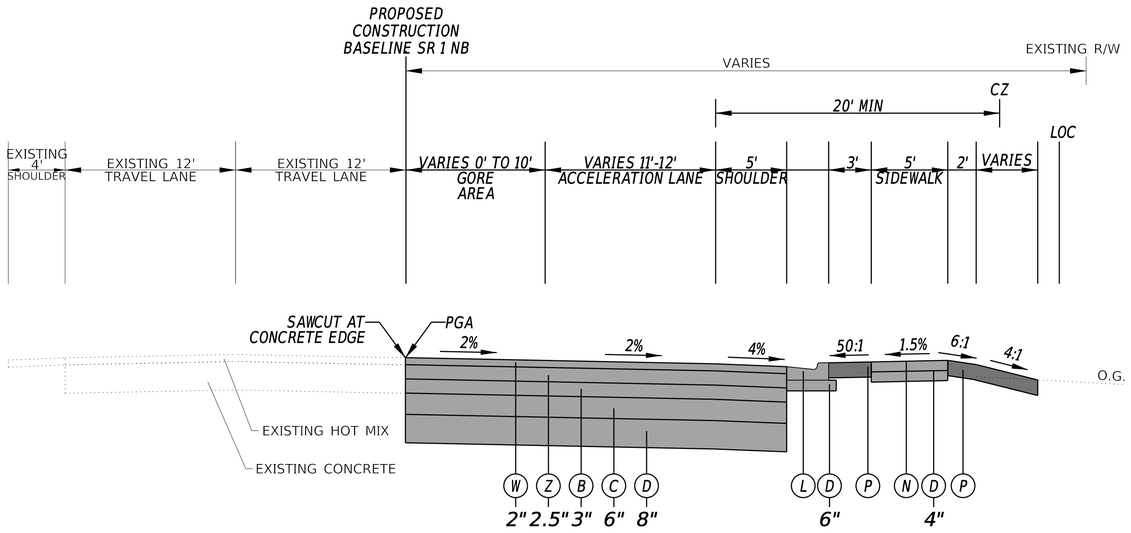
NOTES:
1) THE VALUES LISTED IN THE EARTHWORK SUMMARY ARE APPROXIMATE AND ARE NOT TO BE USED AS A BASIS OF PAYMENT. THE EARTHWORK SUMMARY IS CONSIDERED FOR INFORMATIONAL PURPOSES ONLY.

2) OTHER SOURCES OF EXCAVATION MAY INCLUDE PIPE TRENCH EXCAVATION, STRUCTURE EXCAVATION, UNDERCUT EXCAVATION, STORMWATER MANAGEMENT POND EXCAVATION, ENVIRONMENTAL SITE EXCAVATION, MAINTENANCE OF TRAFFIC EXCAVATION, ETC.

3) UNSUITABLE MATERIALS INCLUDE UNDERCUT SOILS, BITUMINOUS PAVEMENT, ETC.

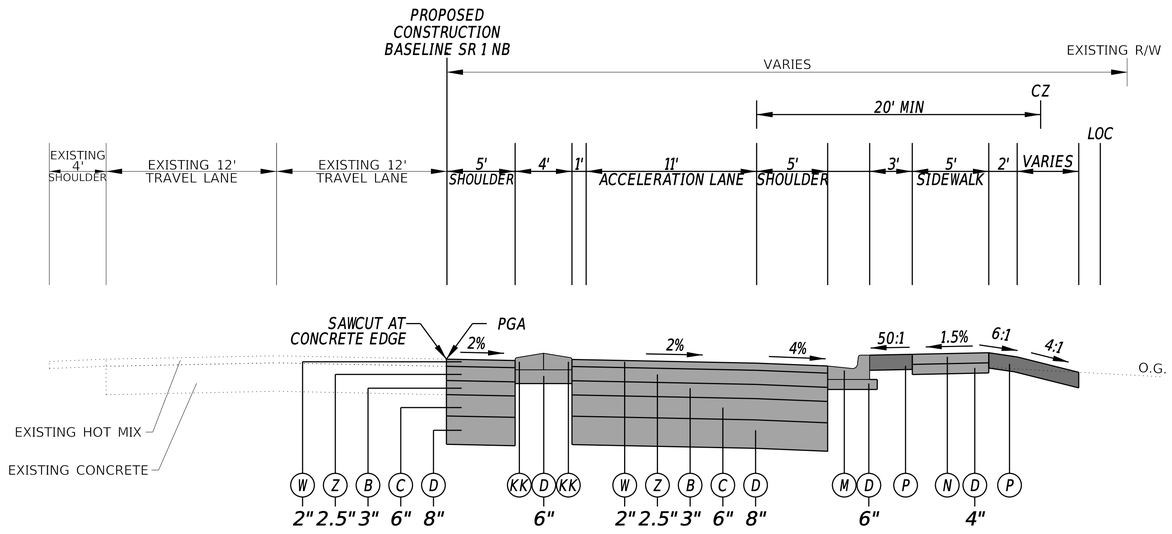
ADDENDA / REVISIONS		NOT TO SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO.	X	EARTHWORK SUMMARY	SECTION
				T201612501	DESIGNED BY: N. RIGOLINO			PD
				COUNTY	CHECKED BY: B. BEHRENS			SHEET NO.
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TYPICAL NORMAL SECTION - SR 1

STATION 1702+66.07 TO 1704+76.16



TYPICAL NORMAL SECTION - SR 1

STATION 1702+25.70 TO 1702+66.07

MATERIAL	BINDER GRADE	LIFT THICKNESS	
		MINIMUM	MAXIMUM
TYPE C (4.75 MM MIX)	ALL	0.5"	1"
TYPE C (9.5 MM MIX)	ALL	1.25"	2"
TYPE C (12.5 MM MIX)	ALL	1.5"	2"
TYPE B (19 MM MIX)	76-22, 70-22	2.25"	4"
TYPE B (19 MM MIX)	64-22	2.25"	6"
TYPE BCBC (25 MM MIX)	64-22	3"	6"
GRADED AGGREGATE BASE COURSE		4"	8"

LEGEND

- (A) ITEM 401005 - SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)
- (B) ITEM 401014 - SUPERPAVE TYPE B, PG 64-22
- (C) ITEM 401021 - SUPERPAVE TYPE BCBC, PG 64-22
- (D) ITEM 301001 - GABC
- (E) ITEM 760012 - PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, VARIABLE DEPTH
- (F) ITEM 401037 - SUPERPAVE TYPE B, PG 64-22,WEDGE
- (G) ITEM 401030 - SUPERPAVE TYPE B, PG 64-22, PATCHING
- (H) ITEM 401031 - SUPERPAVE TYPE BCBC, PG 64-22, PATCHING
- (I) ITEM 301002 - GABC PATCHING
- (J) ITEM 701013 - P.C.C. CURB, TYPE 1-8
- (K) ITEM 701025 - P.C.C. CURB, TYPE 2 ROUNDABOUT
- (L) ITEM 701016 - INTEGRAL P.C.C. CURB AND GUTTER, TYPE 1-4
- (M) ITEM 701018 - INTEGRAL P.C.C. CURB AND GUTTER, TYPE 1-8
- (N) ITEM 705001 - P.C.C. SIDEWALK, 4"
- (O) ITEM 705521 - PATTERNED P.C.C. SIDEWALK, 8"
  ITEM 908004 - TOPSOIL, 6" DEPTH
- (P) ITEM 908014 - PERMANENT GRASS SEEDING, DRY GROUND
  ITEM 908026 - EROSION CONTROL MULCH
- (R) ITEM 209001 - BORROW, TYPE A, 12" MAX LIFTS
- (S) ITEM 209006 - MATERIAL MEETING THE REQUIREMENTS OF BORROW, TYPE F
- (T) SAFETY EDGE FOR ROADWAY PAVEMENT
- (U) ITEM 723013 - CONCRETE ROADSIDE BARRIER, 42" TYPE 2
- (V) ITEM 723015 - CONCRETE MEDIAN BARRIER, 42" F-SHAPE
- (W) ITEM 401046 - SUPERPAVE TYPE C, PG 76-22 (NON-CARBONATE STONE)
- (X) ITEM 709001 - PERFORATED PIPE UNDERDRAINS, 6"
- (Y) ITEM 701027 - P.C.C. CURB, TYPE 1-2 ROUNDABOUT
- (Z) ITEM 401016 - SUPERPAVE TYPE B, PG 76-22
- (AA) ITEM 701011 - P.C.C. CURB, TYPE 1-4
- (BB) ITEM 720021 - GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31
- (CC) ITEM 908020 - EROSION CONTROL BLANKET MULCH, 1 ROLL WIDTH, 6' MIN
- (DD) ITEM 705519 - PATTERNED P.C.C. SIDEWALK, 6"
- (EE) ITEM 707001 - RIPRAP, R-4
- (FF) ITEM 501001 - P.C.C. PAVEMENT, 8"
- (HH) ITEM 401029 - SUPERPAVE TYPE C, PG 64-22, PATCHING
- (II) DELAWARE #57 STONE (INCIDENTAL TO ITEM 723013)
  GEOTEXTILES, SEPARATION (INCIDENTAL TO ITEM 723013)
- (JJ) ITEM 207023 - STRUCTURAL BACKFILL, BORROW TYPE C, PROVIDING ONLY
- (KK) ITEM 701014 - P.C.C. CURB, TYPE 2

ADDENDA / REVISIONS

NOT TO SCALE

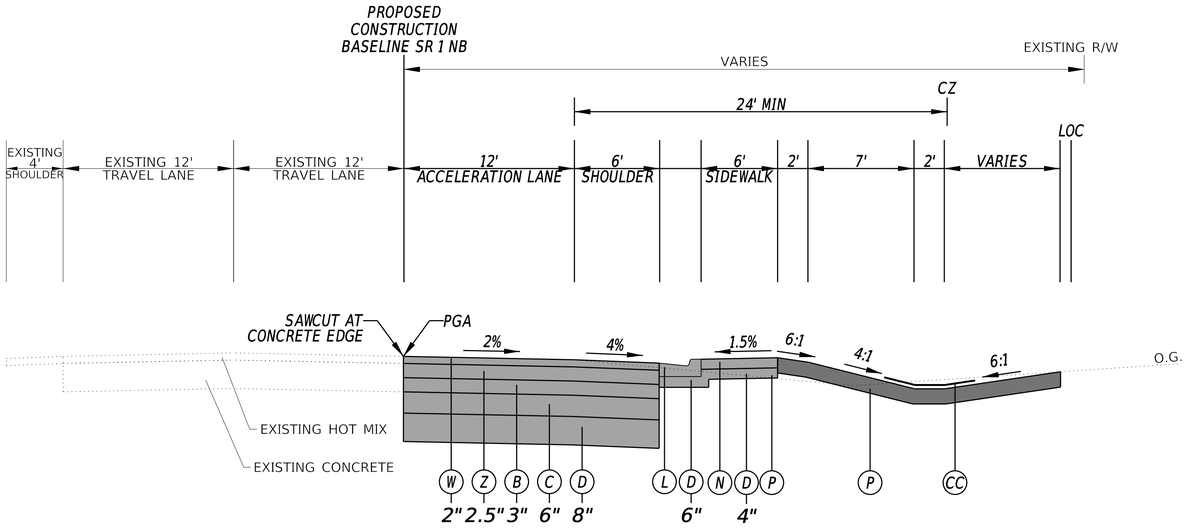
SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

TYPICAL SECTIONS

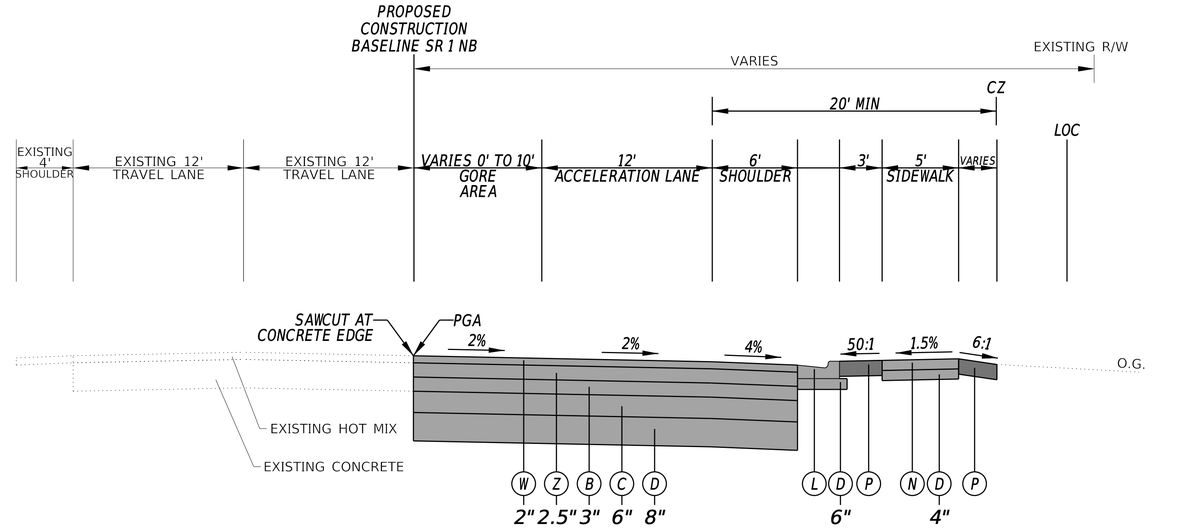
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TYPICAL NORMAL SECTION - SR 1

STATION 1707+31.74 TO 1712+57.46



TYPICAL NORMAL SECTION - SR 1

STATION 1704+76.16 TO 1707+31.74

STATION 1705+26.38 TO 1707+31.74

MATERIAL	BINDER GRADE	LIFT THICKNESS	
		MINIMUM	MAXIMUM
TYPE C (4.75 MM MIX)	ALL	0.5"	1"
TYPE C (9.5 MM MIX)	ALL	1.25"	2"
TYPE C (12.5 MM MIX)	ALL	1.5"	2"
TYPE B (19 MM MIX)	76-22, 70-22	2.25"	4"
TYPE B (19 MM MIX)	64-22	2.25"	6"
TYPE BCBC (25 MM MIX)	64-22	3"	6"
GRADED AGGREGATE BASE COURSE		4"	8"

LEGEND

- (A) ITEM 401005 - SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)
- (B) ITEM 401014 - SUPERPAVE TYPE B, PG 64-22
- (C) ITEM 401021 - SUPERPAVE TYPE BCBC, PG 64-22
- (D) ITEM 301001 - GABC
- (E) ITEM 760012 - PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, VARIABLE DEPTH
- (F) ITEM 401037 - SUPERPAVE TYPE B, PG 64-22,WEDGE
- (G) ITEM 401030 - SUPERPAVE TYPE B, PG 64-22, PATCHING
- (H) ITEM 401031 - SUPERPAVE TYPE BCBC, PG 64-22, PATCHING
- (I) ITEM 301002 - GABC PATCHING
- (J) ITEM 701013 - P.C.C. CURB, TYPE 1-8
- (K) ITEM 701025 - P.C.C. CURB, TYPE 2 ROUNDABOUT
- (L) ITEM 701016 - INTEGRAL P.C.C. CURB AND GUTTER, TYPE 1-4
- (M) ITEM 701018 - INTEGRAL P.C.C. CURB AND GUTTER, TYPE 1-8
- (N) ITEM 705001 - P.C.C. SIDEWALK, 4"
- (O) ITEM 705521 - PATTERNED P.C.C. SIDEWALK, 8"
  ITEM 908004 - TOPSOIL, 6" DEPTH
- (P) ITEM 908014 - PERMANENT GRASS SEEDING, DRY GROUND
  ITEM 908026 - EROSION CONTROL MULCH
- (R) ITEM 209001 - BORROW, TYPE A, 12" MAX LIFTS
- (S) ITEM 209006 - MATERIAL MEETING THE REQUIREMENTS OF BORROW, TYPE F
- (T) SAFETY EDGE FOR ROADWAY PAVEMENT
- (U) ITEM 723013 - CONCRETE ROADSIDE BARRIER, 42" TYPE 2
- (V) ITEM 723015 - CONCRETE MEDIAN BARRIER, 42" F-SHAPE
- (W) ITEM 401046 - SUPERPAVE TYPE C, PG 76-22 (NON-CARBONATE STONE)
- (X) ITEM 709001 - PERFORATED PIPE UNDERDRAINS, 6"
- (Y) ITEM 701027 - P.C.C. CURB, TYPE 1-2 ROUNDABOUT
- (Z) ITEM 401016 - SUPERPAVE TYPE B, PG 76-22
- (AA) ITEM 701011 - P.C.C. CURB, TYPE 1-4
- (BB) ITEM 720021 - GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31
- (CC) ITEM 908020 - EROSION CONTROL BLANKET MULCH, 1 ROLL WIDTH, 6' MIN
- (DD) ITEM 705519 - PATTERNED P.C.C. SIDEWALK, 6"
- (EE) ITEM 707001 - RIPRAP, R-4
- (GG) ITEM 501001 - P.C.C. PAVEMENT, 8"
- (HH) ITEM 401029 - SUPERPAVE TYPE C, PG 64-22, PATCHING
- (II) DELAWARE #57 STONE (INCIDENTAL TO ITEM 723013)
  GEOTEXTILES, SEPARATION (INCIDENTAL TO ITEM 723013)
- (JJ) ITEM 207023 - STRUCTURAL BACKFILL, BORROW TYPE C, PROVIDING ONLY
- (KK) ITEM 701014 - P.C.C. CURB, TYPE 2

ADDENDA / REVISIONS

NOT TO SCALE

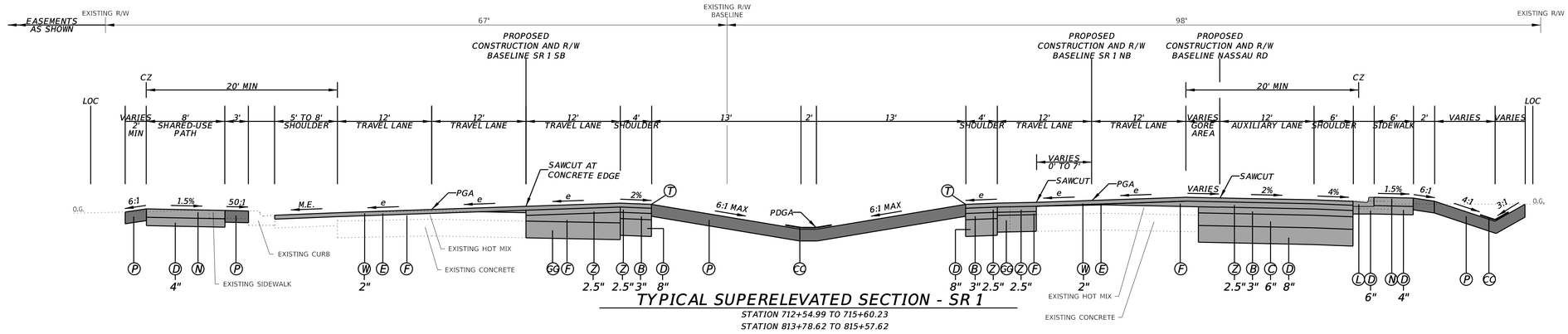
SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

TYPICAL SECTIONS

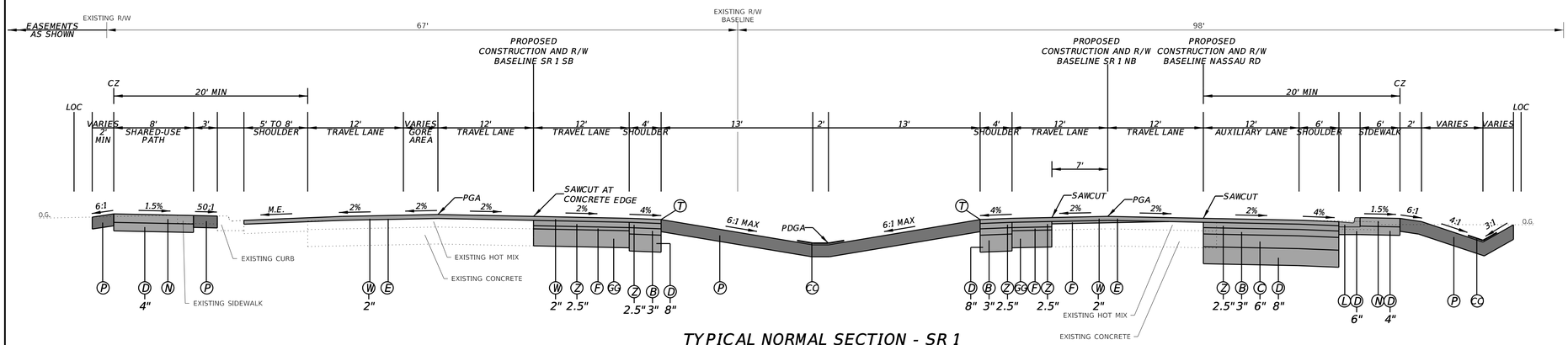
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TYPICAL SUPERELEVATED SECTION - SR 1

STATION 712+54.99 TO 715+60.23
STATION 813+78.62 TO 815+57.62



TYPICAL NORMAL SECTION - SR 1

STATION 705+00.00 TO 712+54.99
STATION 805+00.00 TO 813+78.62

MATERIAL	BINDER GRADE	LIFT THICKNESS	
		MINIMUM	MAXIMUM
TYPE C (4.75 MM MIX)	ALL	0.5"	1"
TYPE C (9.5 MM MIX)	ALL	1.25"	2"
TYPE C (12.5 MM MIX)	ALL	1.5"	2"
TYPE B (19 MM MIX)	76-22, 70-22	2.25"	4"
TYPE B (19 MM MIX)	64-22	2.25"	6"
TYPE BCBC (25 MM MIX)	64-22	3"	6"
GRADED AGGREGATE BASE COURSE		4"	8"

LEGEND

- (A) ITEM 401005 - SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)
- (B) ITEM 401014 - SUPERPAVE TYPE B, PG 64-22
- (C) ITEM 401021 - SUPERPAVE TYPE BCBC, PG 64-22
- (D) ITEM 301001 - GABC
- (E) ITEM 760012 - PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, VARIABLE DEPTH
- (F) ITEM 401037 - SUPERPAVE TYPE B, PG 64-22,WEDGE
- (G) ITEM 401030 - SUPERPAVE TYPE B, PG 64-22, PATCHING
- (H) ITEM 401031 - SUPERPAVE TYPE BCBC, PG 64-22, PATCHING
- (I) ITEM 301002 - GABC PATCHING
- (J) ITEM 701013 - P.C.C. CURB, TYPE 1-8
- (K) ITEM 701025 - P.C.C. CURB, TYPE 2 ROUNDABOUT
- (L) ITEM 701016 - INTEGRAL P.C.C. CURB AND GUTTER, TYPE 1-4
- (M) ITEM 701018 - INTEGRAL P.C.C. CURB AND GUTTER, TYPE 1-8
- (N) ITEM 705001 - P.C.C. SIDEWALK, 4"
- (O) ITEM 705521 - PATTERNED P.C.C. SIDEWALK, 8"
  ITEM 908004 - TOPSOIL, 6" DEPTH
- (P) ITEM 908014 - PERMANENT GRASS SEEDING, DRY GROUND
  ITEM 908026 - EROSION CONTROL MULCH
- (R) ITEM 209001 - BORROW, TYPE A, 12" MAX LIFTS
- (S) ITEM 209006 - MATERIAL MEETING THE REQUIREMENTS OF BORROW, TYPE F
- (T) SAFETY EDGE FOR ROADWAY PAVEMENT
- (U) ITEM 723013 - CONCRETE ROADSIDE BARRIER, 42" TYPE 2
- (V) ITEM 723015 - CONCRETE MEDIAN BARRIER, 42" F-SHAPE
- (W) ITEM 401046 - SUPERPAVE TYPE C, PG 76-22 (NON-CARBONATE STONE)
- (X) ITEM 709001 - PERFORATED PIPE UNDERDRAINS, 6"
- (Y) ITEM 701027 - P.C.C. CURB, TYPE 1-2 ROUNDABOUT
- (Z) ITEM 401016 - SUPERPAVE TYPE B, PG 76-22
- (AA) ITEM 701011 - P.C.C. CURB, TYPE 1-4
- (BB) ITEM 720021 - GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31
- (CC) ITEM 908020 - EROSION CONTROL BLANKET MULCH, 1 ROLL WIDTH, 6' MIN
- (DD) ITEM 705519 - PATTERNED P.C.C. SIDEWALK, 6"
- (EE) ITEM 707001 - RIPRAP, R-4
- (GG) ITEM 501001 - P.C.C. PAVEMENT, 8"
- (HH) ITEM 401029 - SUPERPAVE TYPE C, PG 64-22, PATCHING
- (II) DELAWARE #57 STONE (INCIDENTAL TO ITEM 723013)
  GEOTEXTILES, SEPARATION (INCIDENTAL TO ITEM 723013)
- (JJ) ITEM 207023 - STRUCTURAL BACKFILL, BORROW TYPE C, PROVIDING ONLY
- (KK) ITEM 701014 - P.C.C. CURB, TYPE 2

ADDENDA / REVISIONS

NOT TO SCALE

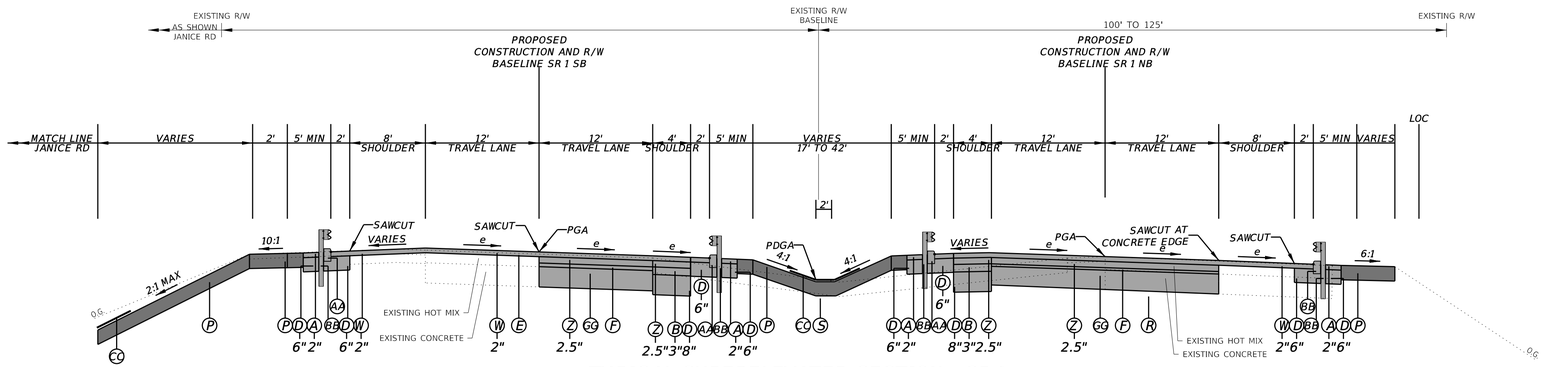
SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

TYPICAL SECTIONS

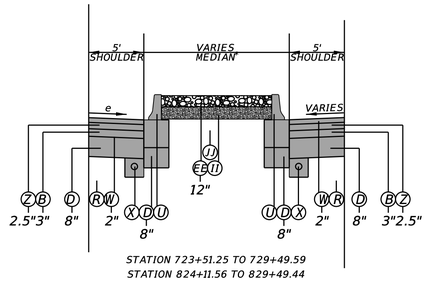
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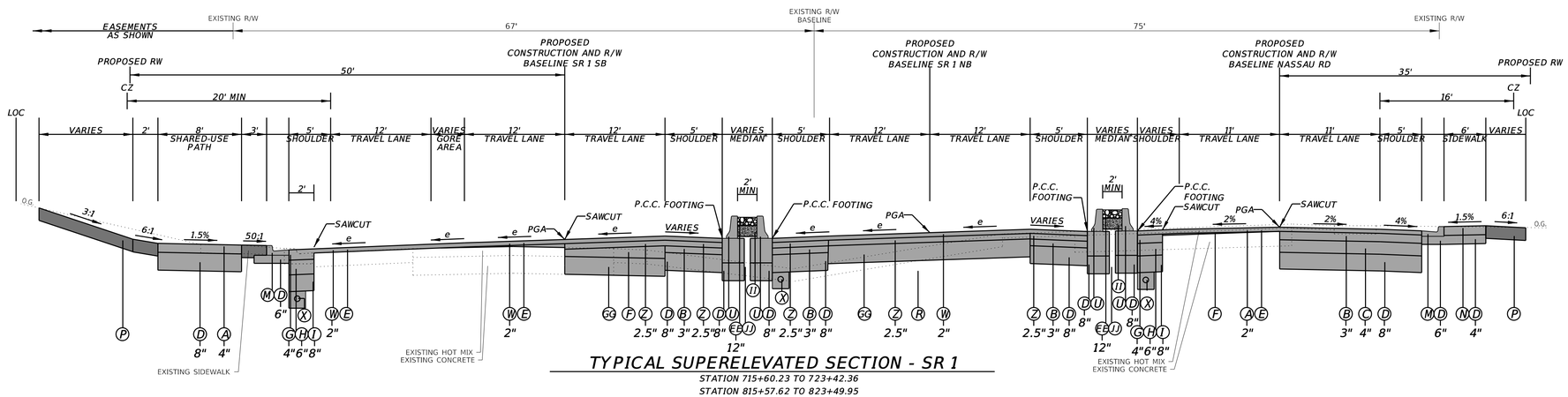


TYPICAL SUPERELEVATED SECTION - SR 1

STATION 723+51.25 TO 737+00.00
STATION 824+11.56 TO 837+50.00



STATION 723+51.25 TO 729+49.59
STATION 824+11.56 TO 829+49.44



TYPICAL SUPERELEVATED SECTION - SR 1

STATION 715+60.23 TO 723+42.36
STATION 815+57.62 TO 823+49.95

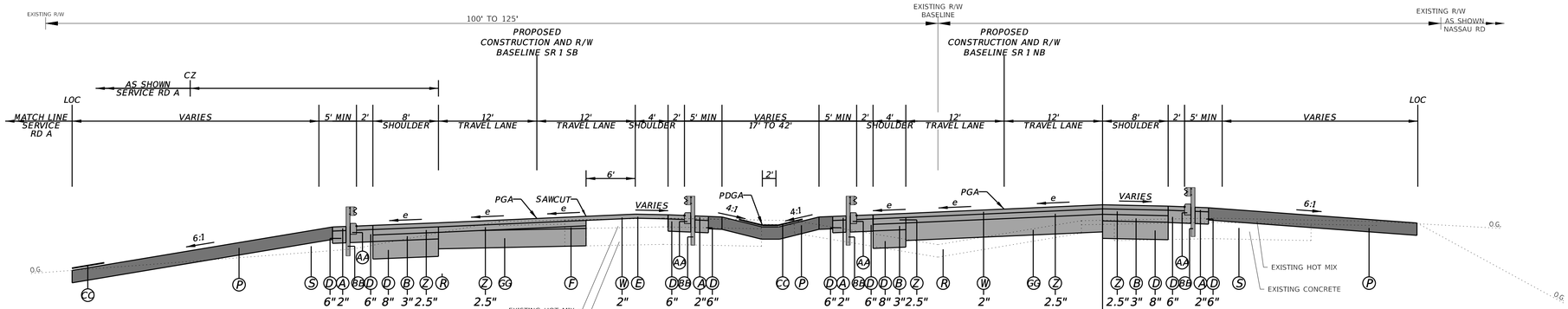
MATERIAL	BINDER GRADE	LIFT THICKNESS	
		MINIMUM	MAXIMUM
TYPE C (4.75 MM MIX)	ALL	0.5"	1"
TYPE C (9.5 MM MIX)	ALL	1.25"	2"
TYPE C (12.5 MM MIX)	ALL	1.5"	2"
TYPE B (19 MM MIX)	76-22, 70-22	2.25"	4"
TYPE B (19 MM MIX)	64-22	2.25"	6"
TYPE BCBC (25 MM MIX)	64-22	3"	6"
GRADED AGGREGATE BASE COURSE		4"	8"

LEGEND

- (A) ITEM 401005 - SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)
- (B) ITEM 401014 - SUPERPAVE TYPE B, PG 64-22
- (C) ITEM 401021 - SUPERPAVE TYPE BCBC, PG 64-22
- (D) ITEM 301001 - GABC
- (E) ITEM 760012 - PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, VARIABLE DEPTH
- (F) ITEM 401037 - SUPERPAVE TYPE B, PG 64-22,WEDGE
- (G) ITEM 401030 - SUPERPAVE TYPE B, PG 64-22, PATCHING
- (H) ITEM 401031 - SUPERPAVE TYPE BCBC, PG 64-22, PATCHING
- (I) ITEM 301002 - GABC PATCHING
- (J) ITEM 701013 - P.C.C. CURB, TYPE 1-8
- (K) ITEM 701025 - P.C.C. CURB, TYPE 2 ROUNDABOUT
- (L) ITEM 701016 - INTEGRAL P.C.C. CURB AND GUTTER, TYPE 1-4
- (M) ITEM 701018 - INTEGRAL P.C.C. CURB AND GUTTER, TYPE 1-8
- (N) ITEM 705001 - P.C.C. SIDEWALK, 4"
- (O) ITEM 705521 - PATTERNED P.C.C. SIDEWALK, 8"
  ITEM 908004 - TOPSOIL, 6" DEPTH
- (P) ITEM 908014 - PERMANENT GRASS SEEDING, DRY GROUND
  ITEM 908026 - EROSION CONTROL MULCH
- (R) ITEM 209001 - BORROW, TYPE A, 12" MAX LIFTS
- (S) ITEM 209006 - MATERIAL MEETING THE REQUIREMENTS OF BORROW, TYPE F
- (T) SAFETY EDGE FOR ROADWAY PAVEMENT
- (U) ITEM 723013 - CONCRETE ROADSIDE BARRIER, 42" TYPE 2
- (V) ITEM 723015 - CONCRETE MEDIAN BARRIER, 42" F-SHAPE
- (W) ITEM 401046 - SUPERPAVE TYPE C, PG 76-22 (NON-CARBONATE STONE)
- (X) ITEM 709001 - PERFORATED PIPE UNDERDRAINS, 6"
- (Y) ITEM 701027 - P.C.C. CURB, TYPE 1-2 ROUNDABOUT
- (Z) ITEM 401016 - SUPERPAVE TYPE B, PG 76-22
- (AA) ITEM 701011 - P.C.C. CURB, TYPE 1-4
- (BB) ITEM 720021 - GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31
- (CC) ITEM 908020 - EROSION CONTROL BLANKET MULCH, 1 ROLL WIDTH, 6' MIN
- (DD) ITEM 705519 - PATTERNED P.C.C. SIDEWALK, 6"
- (EE) ITEM 707001 - RIPRAP, R-4
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- (II) DELAWARE #57 STONE (INCIDENTAL TO ITEM 723013)
  GEOTEXTILES, SEPARATION (INCIDENTAL TO ITEM 723013)
- (JJ) ITEM 207023 - STRUCTURAL BACKFILL, BORROW TYPE C, PROVIDING ONLY
- (KK) ITEM 701014 - P.C.C. CURB, TYPE 2

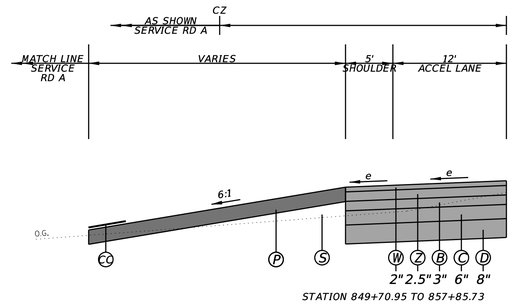
ADDENDA / REVISIONS	NOT TO SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO.	X	TYPICAL SECTIONS	SECTION
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			COUNTY	CHECKED BY: B. BEHRENS			SHEET NO.
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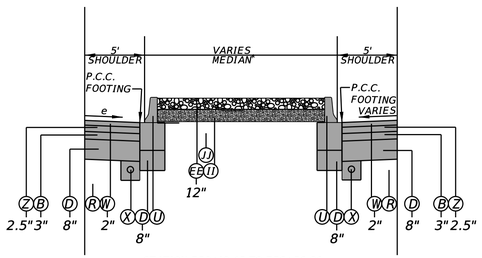


TYPICAL SUPERELEVATED SECTION - SR 1

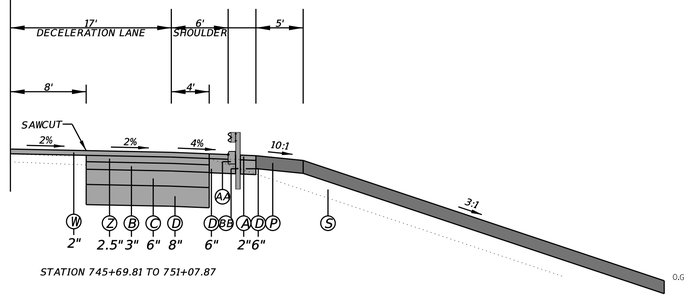
STATION 745+69.81 TO 756+58.80
STATION 846+96.73 TO 857+85.73



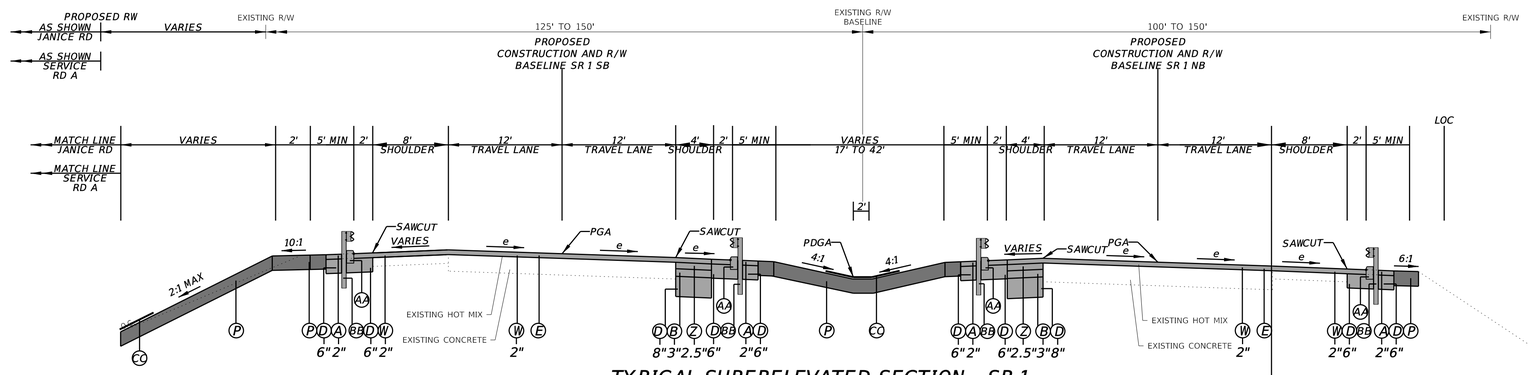
STATION 849+70.95 TO 857+85.73



STATION 752+18.45 TO 756+58.80
STATION 852+62.65 TO 857+85.73

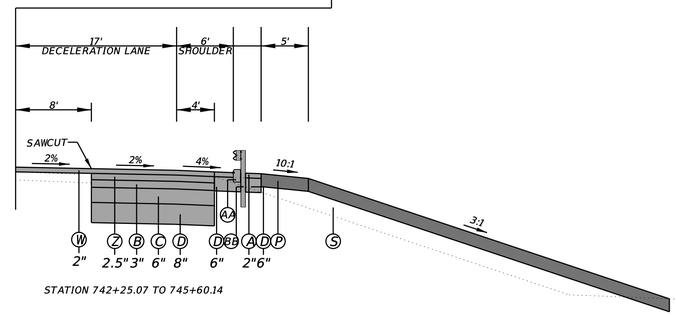


STATION 745+69.81 TO 751+07.87



TYPICAL SUPERELEVATED SECTION - SR 1

STATION 737+00.00 TO 745+60.14
STATION 837+50.00 TO 846+03.15



STATION 742+25.07 TO 745+60.14

MATERIAL	BINDER GRADE	LIFT THICKNESS	
		MINIMUM	MAXIMUM
TYPE C (4.75 MM MIX)	ALL	0.5"	1"
TYPE C (9.5 MM MIX)	ALL	1.25"	2"
TYPE C (12.5 MM MIX)	ALL	1.5"	2"
TYPE B (19 MM MIX)	76-22, 70-22	2.25"	4"
TYPE B (19 MM MIX)	64-22	2.25"	6"
TYPE BCBC (25 MM MIX)	64-22	3"	6"
GRADED AGGREGATE BASE COURSE		4"	8"

LEGEND

- (A) ITEM 401005 - SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)
- (B) ITEM 401014 - SUPERPAVE TYPE B, PG 64-22
- (C) ITEM 401021 - SUPERPAVE TYPE BCBC, PG 64-22
- (D) ITEM 301001 - GABC
- (E) ITEM 760012 - PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, VARIABLE DEPTH
- (F) ITEM 401037 - SUPERPAVE TYPE B, PG 64-22,WEDGE
- (G) ITEM 401030 - SUPERPAVE TYPE B, PG 64-22, PATCHING
- (H) ITEM 401031 - SUPERPAVE TYPE BCBC, PG 64-22, PATCHING
- (I) ITEM 301002 - GABC PATCHING
- (J) ITEM 701013 - P.C.C. CURB, TYPE 1-8
- (K) ITEM 701025 - P.C.C. CURB, TYPE 2 ROUNDABOUT
- (L) ITEM 701016 - INTEGRAL P.C.C. CURB AND GUTTER, TYPE 1-4
- (M) ITEM 701018 - INTEGRAL P.C.C. CURB AND GUTTER, TYPE 1-8
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- (R) ITEM 209001 - BORROW, TYPE A, 12" MAX LIFTS
- (S) ITEM 209006 - MATERIAL MEETING THE REQUIREMENTS OF BORROW, TYPE F
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- (V) ITEM 723015 - CONCRETE MEDIAN BARRIER, 42" F-SHAPE
- (W) ITEM 401046 - SUPERPAVE TYPE C, PG 76-22 (NON-CARBONATE STONE)
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- (Y) ITEM 701027 - P.C.C. CURB, TYPE 1-2 ROUNDABOUT
- (Z) ITEM 401016 - SUPERPAVE TYPE B, PG 76-22
- (AA) ITEM 701011 - P.C.C. CURB, TYPE 1-4
- (BB) ITEM 720021 - GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31
- (CC) ITEM 908020 - EROSION CONTROL BLANKET MULCH, 1 ROLL WIDTH, 6' MIN
- (DD) ITEM 705519 - PATTERNED P.C.C. SIDEWALK, 6"
- (EE) ITEM 707001 - RIPRAP, R-4
- (GG) ITEM 501001 - P.C.C. PAVEMENT, 8"
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  GEOTEXTILES, SEPARATION (INCIDENTAL TO ITEM 723013)
- (JJ) ITEM 207023 - STRUCTURAL BACKFILL, BORROW TYPE C, PROVIDING ONLY
- (KK) ITEM 701014 - P.C.C. CURB, TYPE 2

ADDENDA / REVISIONS

NOT TO SCALE

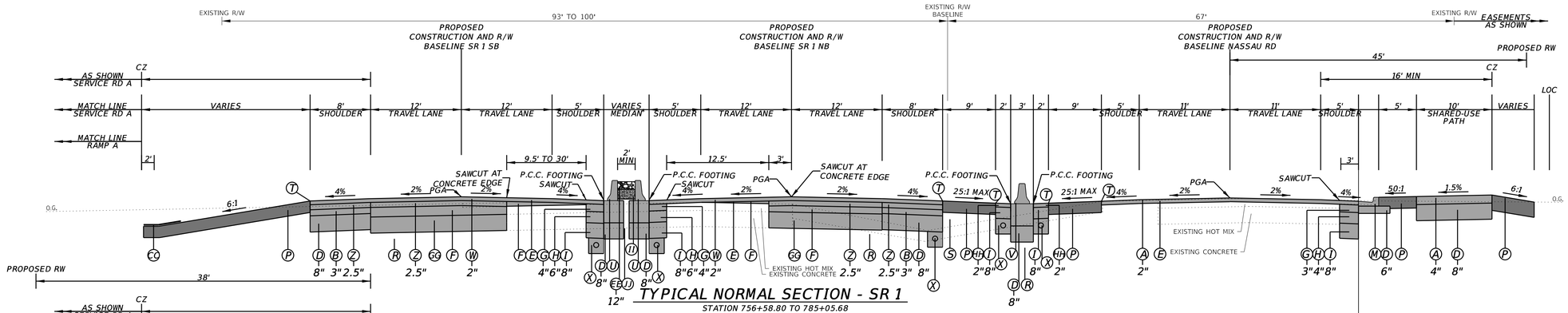
SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

TYPICAL SECTIONS

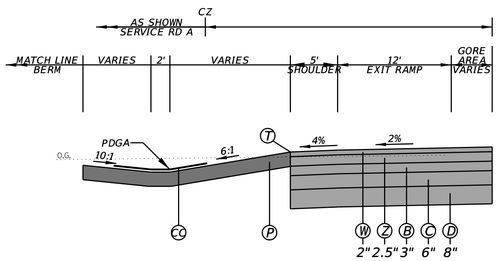
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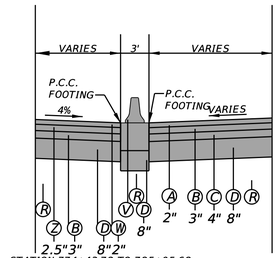


TYPICAL NORMAL SECTION - SR 1

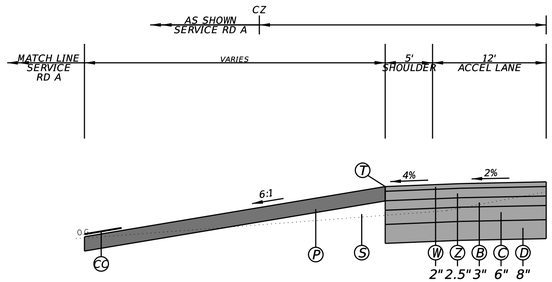
STATION 756+58.80 TO 785+05.68
STATION 857+85.73 TO 882+25.33



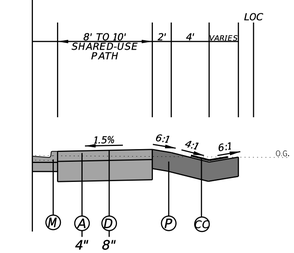
STATION 873+30.36 TO 881+59.79



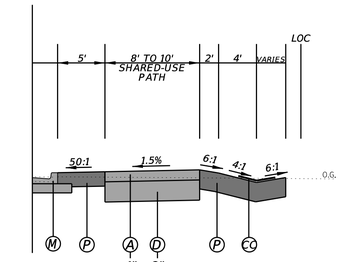
STATION 774+43.72 TO 785+05.68



STATION 857+85.73 TO 864+93.06



STATION 775+67.39 TO 782+97.34



STATION 770+20.02 TO 775+67.39

MATERIAL	BINDER GRADE	LIFT THICKNESS	
		MINIMUM	MAXIMUM
TYPE C (4.75 MM MIX)	ALL	0.5"	1"
TYPE C (9.5 MM MIX)	ALL	1.25"	2"
TYPE C (12.5 MM MIX)	ALL	1.5"	2"
TYPE B (19 MM MIX)	76-22, 70-22	2.25"	4"
TYPE B (19 MM MIX)	64-22	2.25"	6"
TYPE BCBC (25 MM MIX)	64-22	3"	6"
GRADED AGGREGATE BASE COURSE		4"	8"

LEGEND

- (A) ITEM 401005 - SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)
- (B) ITEM 401014 - SUPERPAVE TYPE B, PG 64-22
- (C) ITEM 401021 - SUPERPAVE TYPE BCBC, PG 64-22
- (D) ITEM 301001 - GABC
- (E) ITEM 760012 - PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, VARIABLE DEPTH
- (F) ITEM 401037 - SUPERPAVE TYPE B, PG 64-22,WEDGE
- (G) ITEM 401030 - SUPERPAVE TYPE B, PG 64-22, PATCHING
- (H) ITEM 401031 - SUPERPAVE TYPE BCBC, PG 64-22, PATCHING
- (I) ITEM 301002 - GABC PATCHING
- (J) ITEM 701013 - P.C.C. CURB, TYPE 1-8
- (K) ITEM 701025 - P.C.C. CURB, TYPE 2 ROUNDABOUT
- (L) ITEM 701016 - INTEGRAL P.C.C. CURB AND GUTTER, TYPE 1-4
- (M) ITEM 701018 - INTEGRAL P.C.C. CURB AND GUTTER, TYPE 1-8
- (N) ITEM 705001 - P.C.C. SIDEWALK, 4"
- (O) ITEM 705521 - PATTERNED P.C.C. SIDEWALK, 8"
  ITEM 908004 - TOPSOIL, 6" DEPTH
- (P) ITEM 908014 - PERMANENT GRASS SEEDING, DRY GROUND
  ITEM 908026 - EROSION CONTROL MULCH
- (R) ITEM 209001 - BORROW, TYPE A, 12" MAX LIFTS
- (S) ITEM 209006 - MATERIAL MEETING THE REQUIREMENTS OF BORROW, TYPE F
- (T) SAFETY EDGE FOR ROADWAY PAVEMENT
- (U) ITEM 723013 - CONCRETE ROADSIDE BARRIER, 42" TYPE 2
- (V) ITEM 723015 - CONCRETE MEDIAN BARRIER, 42" F-SHAPE
- (W) ITEM 401046 - SUPERPAVE TYPE C, PG 76-22 (NON-CARBONATE STONE)
- (X) ITEM 709001 - PERFORATED PIPE UNDERDRAINS, 6"
- (Y) ITEM 701027 - P.C.C. CURB, TYPE 1-2 ROUNDABOUT
- (Z) ITEM 401016 - SUPERPAVE TYPE B, PG 76-22
- (AA) ITEM 701011 - P.C.C. CURB, TYPE 1-4
- (BB) ITEM 720021 - GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31
- (CC) ITEM 908020 - EROSION CONTROL BLANKET MULCH, 1 ROLL WIDTH, 6' MIN
- (DD) ITEM 705519 - PATTERNED P.C.C. SIDEWALK, 6"
- (EE) ITEM 707001 - RIPRAP, R-4
- (GG) ITEM 501001 - P.C.C. PAVEMENT, 8"
- (HH) ITEM 401029 - SUPERPAVE TYPE C, PG 64-22, PATCHING
- (II) DELAWARE #57 STONE (INCIDENTAL TO ITEM 723013)
  GEOTEXTILES, SEPARATION (INCIDENTAL TO ITEM 723013)
- (JJ) ITEM 207023 - STRUCTURAL BACKFILL, BORROW TYPE C, PROVIDING ONLY
- (KK) ITEM 701014 - P.C.C. CURB, TYPE 2

ADDENDA / REVISIONS

NOT TO SCALE

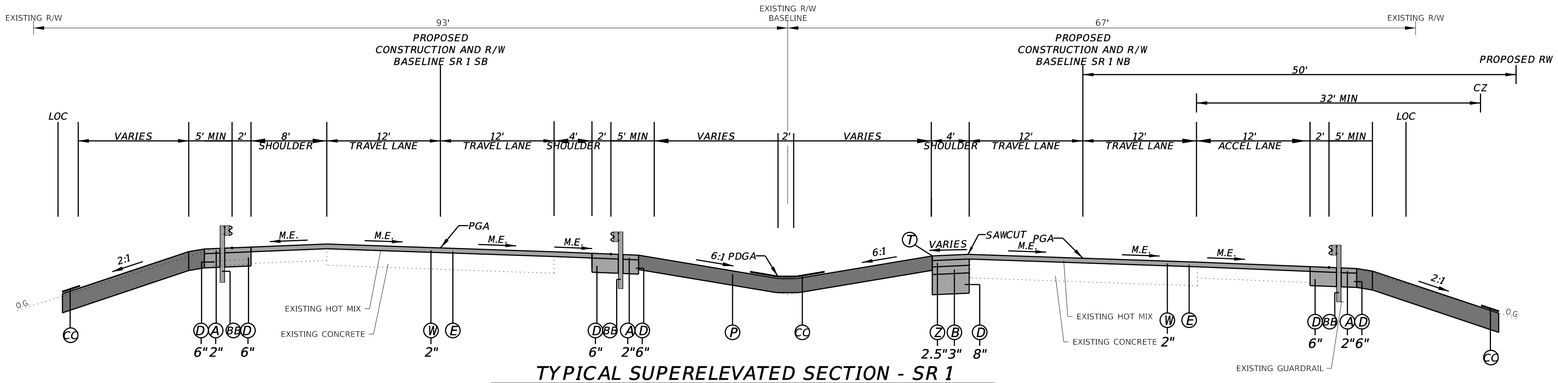
SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

TYPICAL SECTIONS

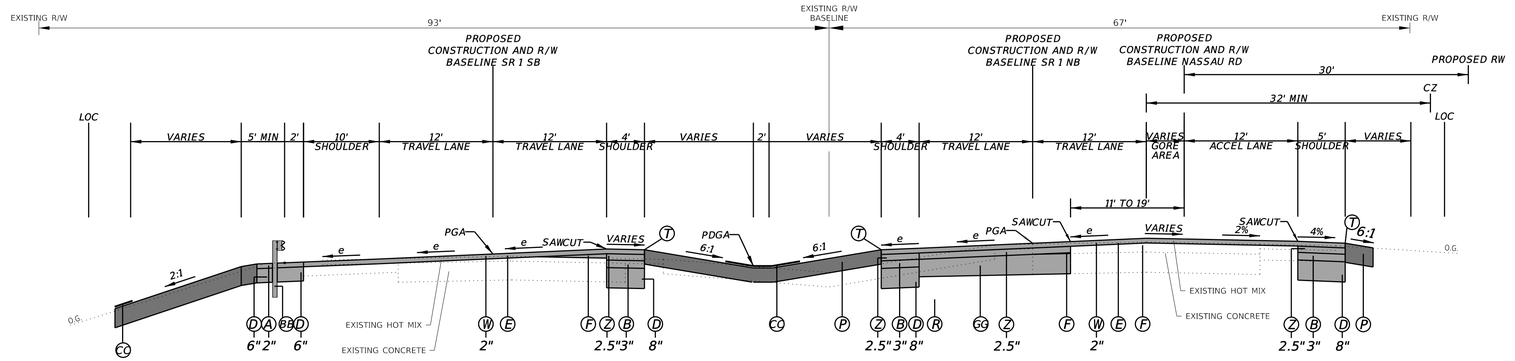
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16-AUG-2024
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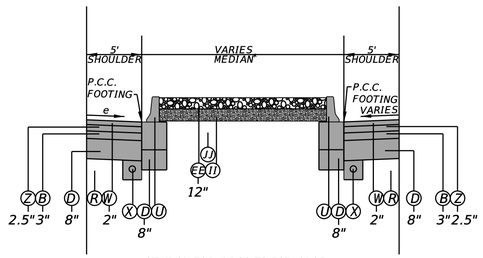
TYPICAL SUPERELEVATED SECTION - SR 1

STATION 789+50.94 TO 804+33.00
STATION 890+07.48 TO 896+08.00



TYPICAL SUPERELEVATED SECTION - SR 1

STATION 785+05.68 TO 789+50.94
STATION 882+25.33 TO 890+07.48



STATION 785+05.68 TO 787+01.65
STATION 882+25.33 TO 887+36.73

MATERIAL	BINDER GRADE	LIFT THICKNESS	
		MINIMUM	MAXIMUM
TYPE C (4.75 MM MIX)	ALL	0.5"	1"
TYPE C (9.5 MM MIX)	ALL	1.25"	2"
TYPE C (12.5 MM MIX)	ALL	1.5"	2"
TYPE B (19 MM MIX)	76-22, 70-22	2.25"	4"
TYPE B (19 MM MIX)	64-22	2.25"	6"
TYPE BCBC (25 MM MIX)	64-22	3"	6"
GRADED AGGREGATE BASE COURSE		4"	8"

LEGEND

- (A) ITEM 401005 - SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)
- (B) ITEM 401014 - SUPERPAVE TYPE B, PG 64-22
- (C) ITEM 401021 - SUPERPAVE TYPE BCBC, PG 64-22
- (D) ITEM 301001 - GABC
- (E) ITEM 760012 - PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, VARIABLE DEPTH
- (F) ITEM 401037 - SUPERPAVE TYPE B, PG 64-22,WEDGE
- (G) ITEM 401030 - SUPERPAVE TYPE B, PG 64-22, PATCHING
- (H) ITEM 401031 - SUPERPAVE TYPE BCBC, PG 64-22, PATCHING
- (I) ITEM 301002 - GABC PATCHING
- (J) ITEM 701013 - P.C.C. CURB, TYPE 1-8
- (K) ITEM 701025 - P.C.C. CURB, TYPE 2 ROUNDABOUT
- (L) ITEM 701016 - INTEGRAL P.C.C. CURB AND GUTTER, TYPE 1-4
- (M) ITEM 701018 - INTEGRAL P.C.C. CURB AND GUTTER, TYPE 1-8
- (N) ITEM 705001 - P.C.C. SIDEWALK, 4"
- (O) ITEM 705521 - PATTERNED P.C.C. SIDEWALK, 8"
  ITEM 908004 - TOPSOIL, 6" DEPTH
- (P) ITEM 908014 - PERMANENT GRASS SEEDING, DRY GROUND
  ITEM 908026 - EROSION CONTROL MULCH
- (R) ITEM 209001 - BORROW, TYPE A, 12" MAX LIFTS
- (S) ITEM 209006 - MATERIAL MEETING THE REQUIREMENTS OF BORROW, TYPE F
- (T) SAFETY EDGE FOR ROADWAY PAVEMENT
- (U) ITEM 723013 - CONCRETE ROADSIDE BARRIER, 42" TYPE 2
- (V) ITEM 723015 - CONCRETE MEDIAN BARRIER, 42" F-SHAPE
- (W) ITEM 401046 - SUPERPAVE TYPE C, PG 76-22 (NON-CARBONATE STONE)
- (X) ITEM 709001 - PERFORATED PIPE UNDERDRAINS, 6"
- (Y) ITEM 701027 - P.C.C. CURB, TYPE 1-2 ROUNDABOUT
- (Z) ITEM 401016 - SUPERPAVE TYPE B, PG 76-22
- (AA) ITEM 701011 - P.C.C. CURB, TYPE 1-4
- (BB) ITEM 720021 - GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31
- (CC) ITEM 908020 - EROSION CONTROL BLANKET MULCH, 1 ROLL WIDTH, 6' MIN
- (DD) ITEM 705519 - PATTERNED P.C.C. SIDEWALK, 6"
- (EE) ITEM 707001 - RIPRAP, R-4
- (GG) ITEM 501001 - P.C.C. PAVEMENT, 8"
- (HH) ITEM 401029 - SUPERPAVE TYPE C, PG 64-22, PATCHING
- (II) DELAWARE #57 STONE (INCIDENTAL TO ITEM 723013)
  GEOTEXTILES, SEPARATION (INCIDENTAL TO ITEM 723013)
- (JJ) ITEM 207023 - STRUCTURAL BACKFILL, BORROW TYPE C, PROVIDING ONLY
- (KK) ITEM 701014 - P.C.C. CURB, TYPE 2

ADDENDA / REVISIONS

NOT TO SCALE

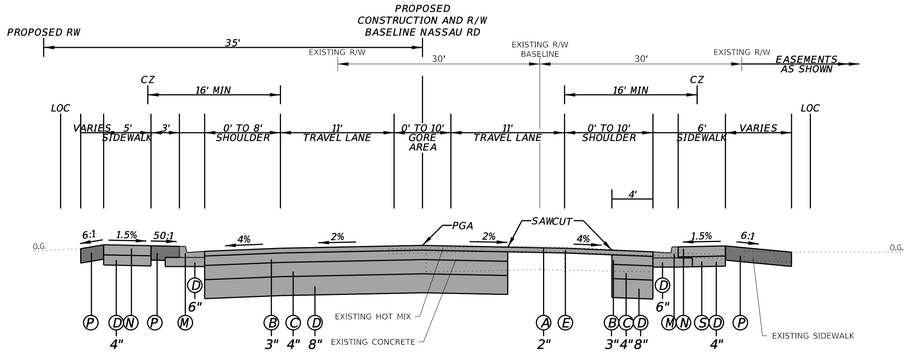
SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

TYPICAL SECTIONS

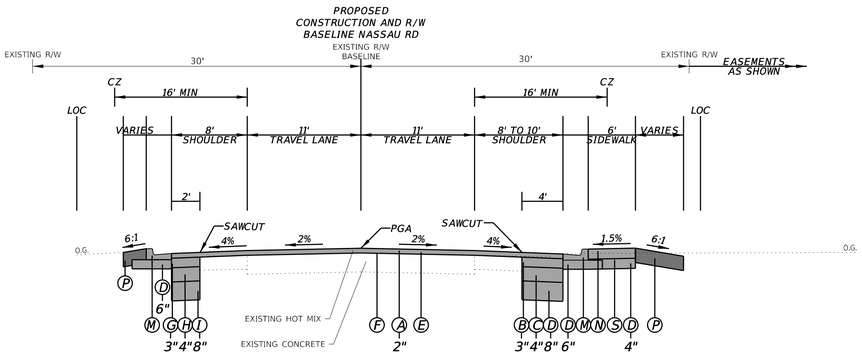
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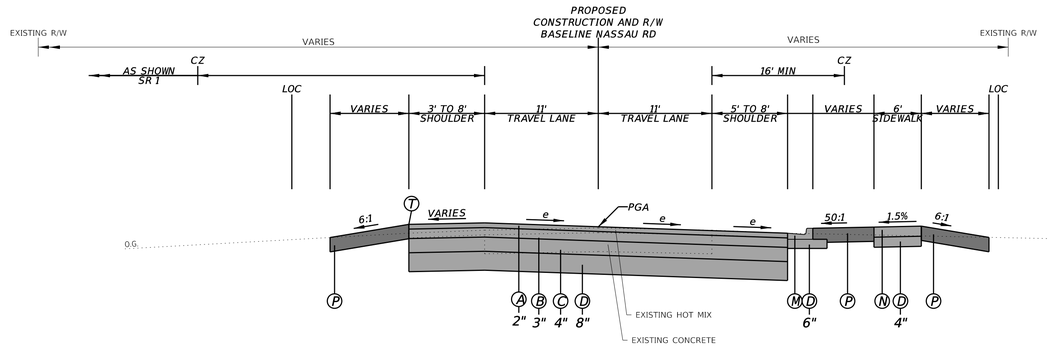
TYPICAL NORMAL SECTION - NASSAU RD

STATION 916+37.06 TO 920+77.29



TYPICAL NORMAL SECTION - NASSAU RD

STATION 910+61.56 TO 916+37.06



TYPICAL SUPERELEVATED SECTION - NASSAU RD

STATION 907+68.03 TO 910+61.56

MATERIAL	BINDER GRADE	LIFT THICKNESS	
		MINIMUM	MAXIMUM
TYPE C (4.75 MM MIX)	ALL	0.5"	1"
TYPE C (9.5 MM MIX)	ALL	1.25"	2"
TYPE C (12.5 MM MIX)	ALL	1.5"	2"
TYPE B (19 MM MIX)	76-22, 70-22	2.25"	4"
TYPE B (19 MM MIX)	64-22	2.25"	6"
TYPE BCBC (25 MM MIX)	64-22	3"	6"
GRADED AGGREGATE BASE COURSE		4"	8"

LEGEND

- (A) ITEM 401005 - SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)
- (B) ITEM 401014 - SUPERPAVE TYPE B, PG 64-22
- (C) ITEM 401021 - SUPERPAVE TYPE BCBC, PG 64-22
- (D) ITEM 301001 - GABC
- (E) ITEM 760012 - PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, VARIABLE DEPTH
- (F) ITEM 401037 - SUPERPAVE TYPE B, PG 64-22,WEDGE
- (G) ITEM 401030 - SUPERPAVE TYPE B, PG 64-22, PATCHING
- (H) ITEM 401031 - SUPERPAVE TYPE BCBC, PG 64-22, PATCHING
- (I) ITEM 301002 - GABC PATCHING
- (J) ITEM 701013 - P.C.C. CURB, TYPE 1-8
- (K) ITEM 701025 - P.C.C. CURB, TYPE 2 ROUNDABOUT
- (L) ITEM 701016 - INTEGRAL P.C.C. CURB AND GUTTER, TYPE 1-4
- (M) ITEM 701018 - INTEGRAL P.C.C. CURB AND GUTTER, TYPE 1-8
- (N) ITEM 705001 - P.C.C. SIDEWALK, 4"
- (O) ITEM 705521 - PATTERNED P.C.C. SIDEWALK, 8"
  ITEM 908004 - TOPSOIL, 6" DEPTH
- (P) ITEM 908014 - PERMANENT GRASS SEEDING, DRY GROUND
  ITEM 908026 - EROSION CONTROL MULCH
- (R) ITEM 209001 - BORROW, TYPE A, 12" MAX LIFTS
- (S) ITEM 209006 - MATERIAL MEETING THE REQUIREMENTS OF BORROW, TYPE F
- (T) SAFETY EDGE FOR ROADWAY PAVEMENT
- (U) ITEM 723013 - CONCRETE ROADSIDE BARRIER, 42" TYPE 2
- (V) ITEM 723015 - CONCRETE MEDIAN BARRIER, 42" F-SHAPE
- (W) ITEM 401046 - SUPERPAVE TYPE C, PG 76-22 (NON-CARBONATE STONE)
- (X) ITEM 709001 - PERFORATED PIPE UNDERDRAINS, 6"
- (Y) ITEM 701027 - P.C.C. CURB, TYPE 1-2 ROUNDABOUT
- (Z) ITEM 401016 - SUPERPAVE TYPE B, PG 76-22
- (AA) ITEM 70101 1 - P.C.C. CURB, TYPE 1-4
- (BB) ITEM 720021 - GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31
- (CC) ITEM 908020 - EROSION CONTROL BLANKET MULCH, 1 ROLL WIDTH, 6' MIN
- (DD) ITEM 705519 - PATTERNED P.C.C. SIDEWALK, 6"
- (EE) ITEM 707001 - RIPRAP, R-4
- (FF) ITEM 501001 - P.C.C. PAVEMENT, 8"
- (HH) ITEM 401029 - SUPERPAVE TYPE C, PG 64-22, PATCHING
- (II) DELAWARE #57 STONE (INCIDENTAL TO ITEM 723013)
  GEOTEXTILES, SEPARATION (INCIDENTAL TO ITEM 723013)
- (JJ) ITEM 207023 - STRUCTURAL BACKFILL, BORROW TYPE C, PROVIDING ONLY
- (KK) ITEM 701014 - P.C.C. CURB, TYPE 2

ADDENDA / REVISIONS

NOT TO SCALE

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

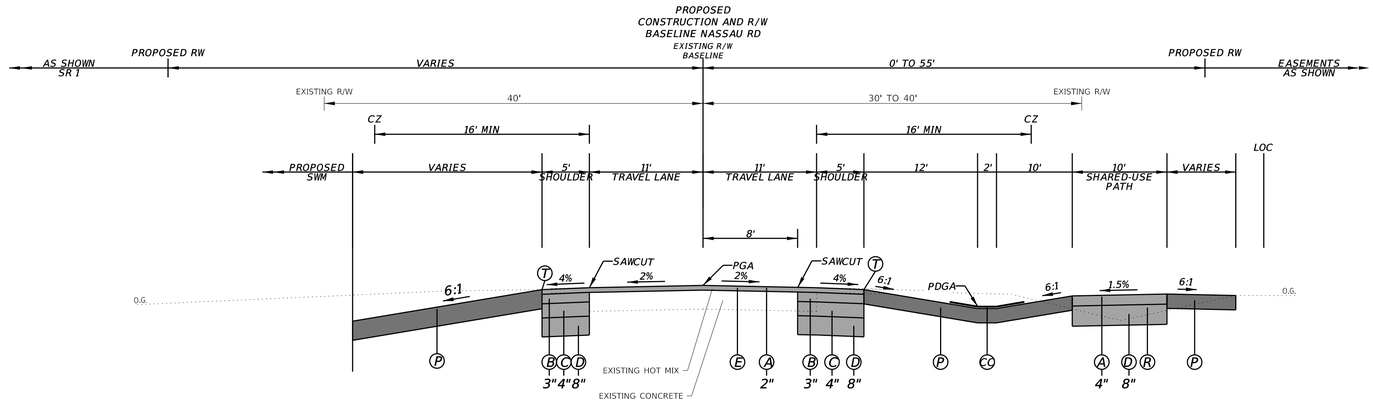
CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

TYPICAL SECTIONS

SECTION PD

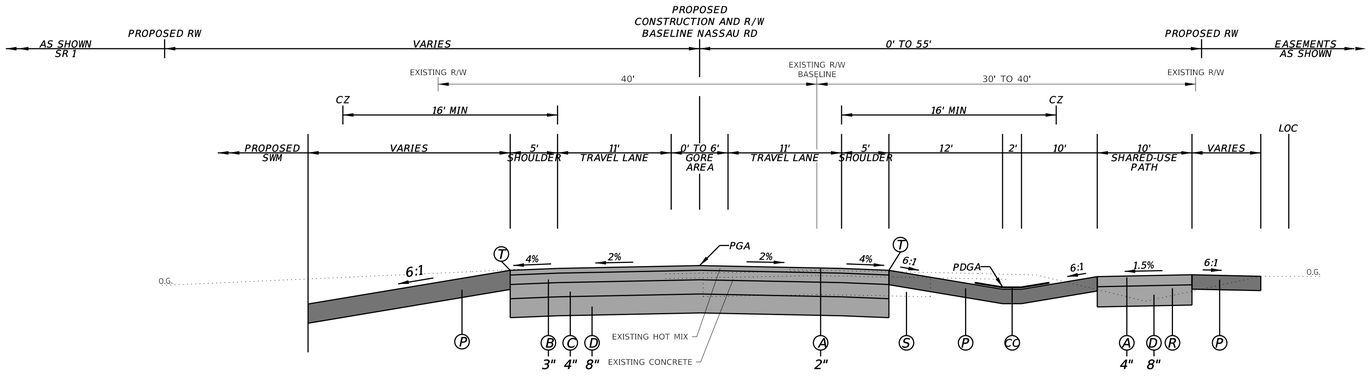
SHEET NO. 14

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TYPICAL NORMAL SECTION - NASSAU RD

STATION 929+47.19 TO 934+21.15



TYPICAL NORMAL SECTION - NASSAU RD

STATION 924+80.30 TO 929+47.19
STATION 934+21.15 TO 938+65.56

MATERIAL	BINDER GRADE	LIFT THICKNESS	
		MINIMUM	MAXIMUM
TYPE C (4.75 MM MIX)	ALL	0.5"	1"
TYPE C (9.5 MM MIX)	ALL	1.25"	2"
TYPE C (12.5 MM MIX)	ALL	1.5"	2"
TYPE B (19 MM MIX)	76-22, 70-22	2.25"	4"
TYPE B (19 MM MIX)	64-22	2.25"	6"
TYPE BCBC (25 MM MIX)	64-22	3"	6"
GRADED AGGREGATE BASE COURSE		4"	8"

LEGEND

- (A) ITEM 401005 - SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)
- (B) ITEM 401014 - SUPERPAVE TYPE B, PG 64-22
- (C) ITEM 401021 - SUPERPAVE TYPE BCBC, PG 64-22
- (D) ITEM 301001 - GABC
- (E) ITEM 760012 - PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, VARIABLE DEPTH
- (F) ITEM 401037 - SUPERPAVE TYPE B, PG 64-22,WEDGE
- (G) ITEM 401030 - SUPERPAVE TYPE B, PG 64-22, PATCHING
- (H) ITEM 401031 - SUPERPAVE TYPE BCBC, PG 64-22, PATCHING
- (I) ITEM 301002 - GABC PATCHING
- (J) ITEM 701013 - P.C.C. CURB, TYPE 1-8
- (K) ITEM 701025 - P.C.C. CURB, TYPE 2 ROUNDABOUT
- (L) ITEM 701016 - INTEGRAL P.C.C. CURB AND GUTTER, TYPE 1-4
- (M) ITEM 701018 - INTEGRAL P.C.C. CURB AND GUTTER, TYPE 1-8
- (N) ITEM 705001 - P.C.C. SIDEWALK, 4"
- (O) ITEM 705521 - PATTERNED P.C.C. SIDEWALK, 8"
  ITEM 908004 - TOPSOIL, 6" DEPTH
- (P) ITEM 908014 - PERMANENT GRASS SEEDING, DRY GROUND
  ITEM 908026 - EROSION CONTROL MULCH
- (R) ITEM 209001 - BORROW, TYPE A, 12" MAX LIFTS
- (S) ITEM 209006 - MATERIAL MEETING THE REQUIREMENTS OF BORROW, TYPE F
- (T) SAFETY EDGE FOR ROADWAY PAVEMENT
- (U) ITEM 723013 - CONCRETE ROADSIDE BARRIER, 42" TYPE 2
- (V) ITEM 723015 - CONCRETE MEDIAN BARRIER, 42" F-SHAPE
- (W) ITEM 401046 - SUPERPAVE TYPE C, PG 76-22 (NON-CARBONATE STONE)
- (X) ITEM 709001 - PERFORATED PIPE UNDERDRAINS, 6"
- (Y) ITEM 701027 - P.C.C. CURB, TYPE 1-2 ROUNDABOUT
- (Z) ITEM 401016 - SUPERPAVE TYPE B, PG 76-22
- (AA) ITEM 701011 - P.C.C. CURB, TYPE 1-4
- (BB) ITEM 720021 - GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31
- (CC) ITEM 908020 - EROSION CONTROL BLANKET MULCH, 1 ROLL WIDTH, 6' MIN
- (DD) ITEM 705519 - PATTERNED P.C.C. SIDEWALK, 6"
- (EE) ITEM 707001 - RIPRAP, R-4
- (GG) ITEM 501001 - P.C.C. PAVEMENT, 8"
- (HH) ITEM 401029 - SUPERPAVE TYPE C, PG 64-22, PATCHING
- (II) DELAWARE #57 STONE (INCIDENTAL TO ITEM 723013)
  GEOTEXTILES, SEPARATION (INCIDENTAL TO ITEM 723013)
- (JJ) ITEM 207023 - STRUCTURAL BACKFILL, BORROW TYPE C, PROVIDING ONLY
- (KK) ITEM 701014 - P.C.C. CURB, TYPE 2

ADDENDA / REVISIONS

NOT TO SCALE

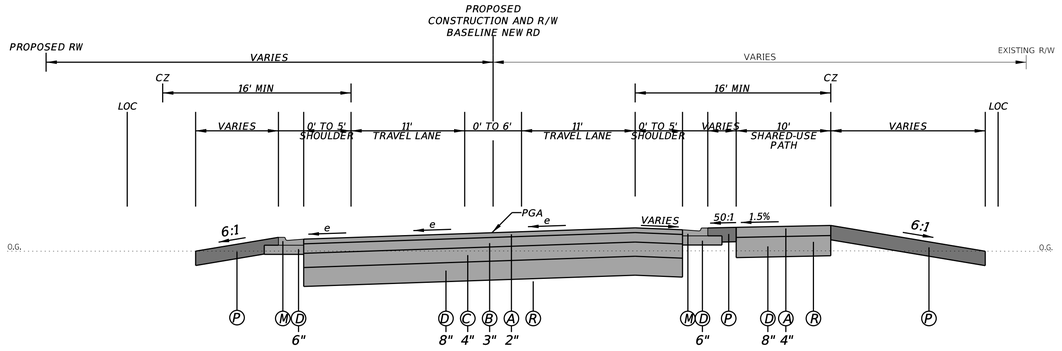
SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

TYPICAL SECTIONS

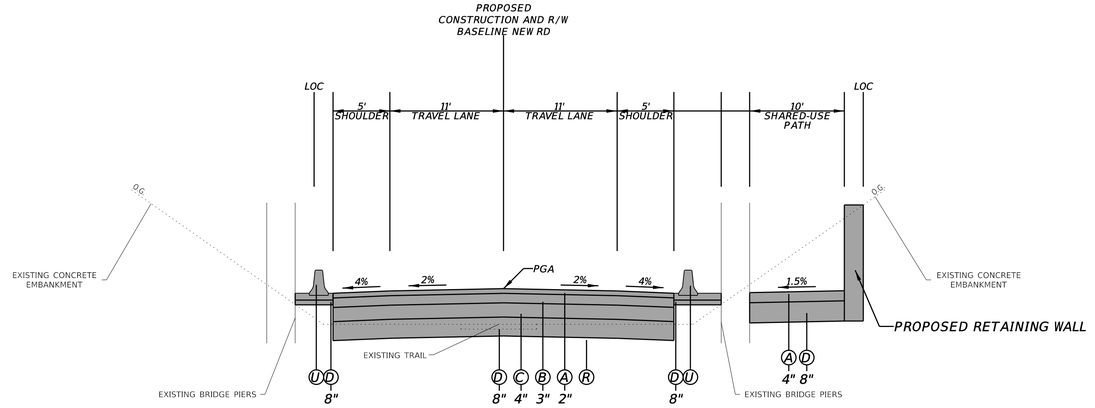
SECTION
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15

15-AUG-2024
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TYPICAL SUPERELEVATED SECTION - NEW RD

STATION 1003+75.24 TO 1007+87.43



TYPICAL NORMAL SECTION - NEW RD

STATION 1002+98.68 TO 1004+57.02

MATERIAL	BINDER GRADE	LIFT THICKNESS	
		MINIMUM	MAXIMUM
TYPE C (4.75 MM MIX)	ALL	0.5"	1"
TYPE C (9.5 MM MIX)	ALL	1.25"	2"
TYPE C (12.5 MM MIX)	ALL	1.5"	2"
TYPE B (19 MM MIX)	76-22, 70-22	2.25"	4"
TYPE B (19 MM MIX)	64-22	2.25"	6"
TYPE BCBC (25 MM MIX)	64-22	3"	6"
GRADED AGGREGATE BASE COURSE		4"	8"

LEGEND

- Ⓐ ITEM 401005 - SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)
- Ⓑ ITEM 401014 - SUPERPAVE TYPE B, PG 64-22
- Ⓒ ITEM 401021 - SUPERPAVE TYPE BCBC, PG 64-22
- Ⓓ ITEM 301001 - GABC
- Ⓔ ITEM 760012 - PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, VARIABLE DEPTH
- Ⓕ ITEM 401037 - SUPERPAVE TYPE B, PG 64-22,WEDGE
- Ⓖ ITEM 401030 - SUPERPAVE TYPE B, PG 64-22, PATCHING
- Ⓗ ITEM 401031 - SUPERPAVE TYPE BCBC, PG 64-22, PATCHING
- Ⓘ ITEM 301002 - GABC PATCHING
- Ⓙ ITEM 701013 - P.C.C. CURB, TYPE 1-8
- Ⓚ ITEM 701025 - P.C.C. CURB, TYPE 2 ROUNDABOUT
- Ⓛ ITEM 701016 - INTEGRAL P.C.C. CURB AND GUTTER, TYPE 1-4
- Ⓜ ITEM 701018 - INTEGRAL P.C.C. CURB AND GUTTER, TYPE 1-8
- Ⓝ ITEM 705001 - P.C.C. SIDEWALK, 4"
- Ⓞ ITEM 705521 - PATTERNED P.C.C. SIDEWALK, 8"
- ITEM 908004 - TOPSOIL, 6" DEPTH
- Ⓟ ITEM 908014 - PERMANENT GRASS SEEDING, DRY GROUND
- ITEM 908026 - EROSION CONTROL MULCH
- Ⓡ ITEM 209001 - BORROW, TYPE A, 12" MAX LIFTS
- Ⓢ ITEM 209006 - MATERIAL MEETING THE REQUIREMENTS OF BORROW, TYPE F
- Ⓣ SAFETY EDGE FOR ROADWAY PAVEMENT
- Ⓤ ITEM 723013 - CONCRETE ROADSIDE BARRIER, 42" TYPE 2
- Ⓥ ITEM 723015 - CONCRETE MEDIAN BARRIER, 42" F-SHAPE
- Ⓦ ITEM 401046 - SUPERPAVE TYPE C, PG 76-22 (NON-CARBONATE STONE)
- Ⓧ ITEM 709001 - PERFORATED PIPE UNDERDRAINS, 6"
- Ⓨ ITEM 701027 - P.C.C. CURB, TYPE 1-2 ROUNDABOUT
- Ⓩ ITEM 401016 - SUPERPAVE TYPE B, PG 76-22
- ⒶⒶ ITEM 701011 - P.C.C. CURB, TYPE 1-4
- ⒷⒷ ITEM 720021 - GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31
- ⒸⒸ ITEM 908020 - EROSION CONTROL BLANKET MULCH, 1 ROLL WIDTH, 6' MIN
- ⒹⒹ ITEM 705519 - PATTERNED P.C.C. SIDEWALK, 6"
- ⒺⒺ ITEM 707001 - RIPRAP, R-4
- ⒻⒻ ITEM 501001 - P.C.C. PAVEMENT, 8"
- ⒼⒼ ITEM 401029 - SUPERPAVE TYPE C, PG 64-22, PATCHING
- ⒾⒾ DELAWARE #57 STONE (INCIDENTAL TO ITEM 723013)
  GEOTEXTILES, SEPARATION (INCIDENTAL TO ITEM 723013)
- ⒿⒿ ITEM 207023 - STRUCTURAL BACKFILL, BORROW TYPE C, PROVIDING ONLY
- ⓀⓀ ITEM 701014 - P.C.C. CURB, TYPE 2

ADDENDA / REVISIONS

NOT TO SCALE

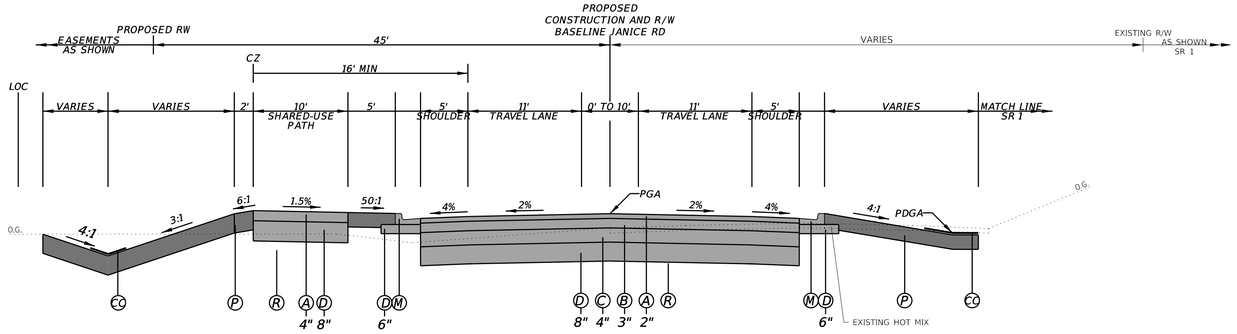
SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

TYPICAL SECTIONS

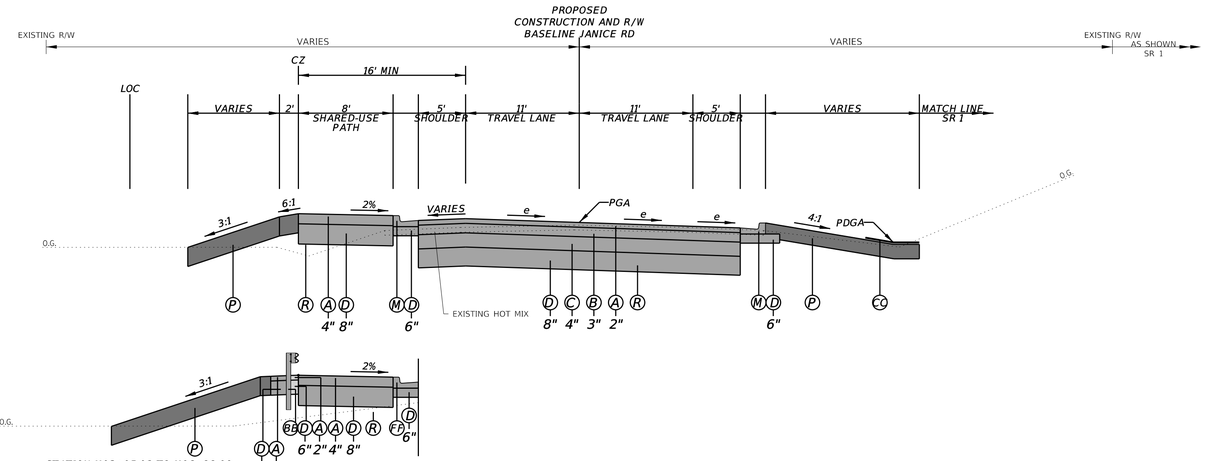
SECTION
PD
SHEET NO.
16

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TYPICAL NORMAL SECTION - JANICE RD

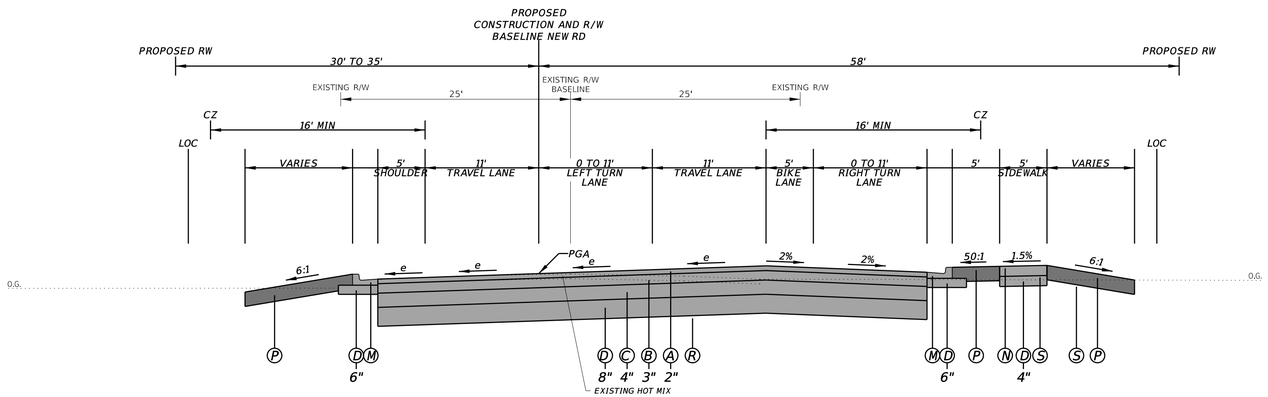
STATION 1112+37.78 TO 1117+36.65



STATION 1103+05.02 TO 1106+88.09

TYPICAL SUPERELEVATED SECTION - JANICE RD

STATION 1101+61.49 TO 1112+37.78



TYPICAL SUPERELEVATED SECTION - NEW RD

STATION 1501+29.95 TO 1511+80.00

MATERIAL	BINDER GRADE	LIFT THICKNESS	
		MINIMUM	MAXIMUM
TYPE C (4.75 MM MIX)	ALL	0.5"	1"
TYPE C (9.5 MM MIX)	ALL	1.25"	2"
TYPE C (12.5 MM MIX)	ALL	1.5"	2"
TYPE B (19 MM MIX)	76-22, 70-22	2.25"	4"
TYPE B (19 MM MIX)	64-22	2.25"	6"
TYPE BCBC (25 MM MIX)	64-22	3"	6"
GRADED AGGREGATE BASE COURSE		4"	8"

LEGEND

- (A) ITEM 401005 - SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)
- (B) ITEM 401014 - SUPERPAVE TYPE B, PG 64-22
- (C) ITEM 401021 - SUPERPAVE TYPE BCBC, PG 64-22
- (D) ITEM 301001 - GABC
- (E) ITEM 760012 - PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, VARIABLE DEPTH
- (F) ITEM 401037 - SUPERPAVE TYPE B, PG 64-22,WEDGE
- (G) ITEM 401030 - SUPERPAVE TYPE B, PG 64-22, PATCHING
- (H) ITEM 401031 - SUPERPAVE TYPE BCBC, PG 64-22, PATCHING
- (I) ITEM 301002 - GABC PATCHING
- (J) ITEM 701013 - P.C.C. CURB, TYPE 1-8
- (K) ITEM 701025 - P.C.C. CURB, TYPE 2 ROUNDABOUT
- (L) ITEM 701016 - INTEGRAL P.C.C. CURB AND GUTTER, TYPE 1-4
- (M) ITEM 701018 - INTEGRAL P.C.C. CURB AND GUTTER, TYPE 1-8
- (N) ITEM 705001 - P.C.C. SIDEWALK, 4"
- (O) ITEM 705521 - PATTERNED P.C.C. SIDEWALK, 8"
  ITEM 908004 - TOPSOIL, 6" DEPTH
- (P) ITEM 908014 - PERMANENT GRASS SEEDING, DRY GROUND
  ITEM 908026 - EROSION CONTROL MULCH
- (R) ITEM 209001 - BORROW, TYPE A, 12" MAX LIFTS
- (S) ITEM 209006 - MATERIAL MEETING THE REQUIREMENTS OF BORROW, TYPE F
- (T) SAFETY EDGE FOR ROADWAY PAVEMENT
- (U) ITEM 723013 - CONCRETE ROADSIDE BARRIER, 42" TYPE 2
- (V) ITEM 723015 - CONCRETE MEDIAN BARRIER, 42" F-SHAPE
- (W) ITEM 401046 - SUPERPAVE TYPE C, PG 76-22 (NON-CARBONATE STONE)
- (X) ITEM 709001 - PERFORATED PIPE UNDERDRAINS, 6"
- (Y) ITEM 701027 - P.C.C. CURB, TYPE 1-2 ROUNDABOUT
- (Z) ITEM 401016 - SUPERPAVE TYPE B, PG 76-22
- (AA) ITEM 701011 - P.C.C. CURB, TYPE 1-4
- (BB) ITEM 720021 - GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31
- (CC) ITEM 908020 - EROSION CONTROL BLANKET MULCH, 1 ROLL WIDTH, 6' MIN
- (DD) ITEM 705519 - PATTERNED P.C.C. SIDEWALK, 6"
- (EE) ITEM 707001 - RIPRAP, R-4
- (GG) ITEM 501001 - P.C.C. PAVEMENT, 8"
- (HH) ITEM 401029 - SUPERPAVE TYPE C, PG 64-22, PATCHING
- (II) DELAWARE #57 STONE (INCIDENTAL TO ITEM 723013)
  GEOTEXTILES, SEPARATION (INCIDENTAL TO ITEM 723013)
- (JJ) ITEM 207023 - STRUCTURAL BACKFILL, BORROW TYPE C, PROVIDING ONLY
- (KK) ITEM 701014 - P.C.C. CURB, TYPE 2

ADDENDA / REVISIONS

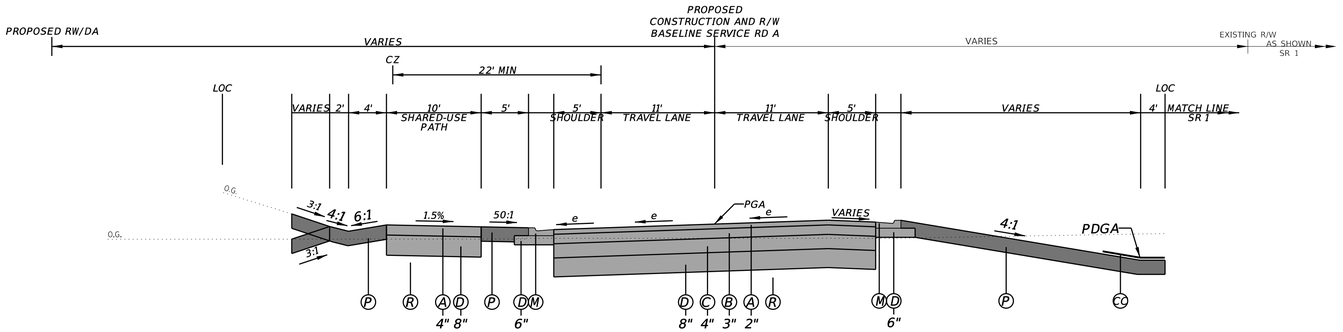
NOT TO SCALE

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X	SECTION
T201612501	DESIGNED BY: N. RIGOLINO		PD
COUNTY	CHECKED BY: B. BEHRENS		SHEET NO.
SUSSEX			17

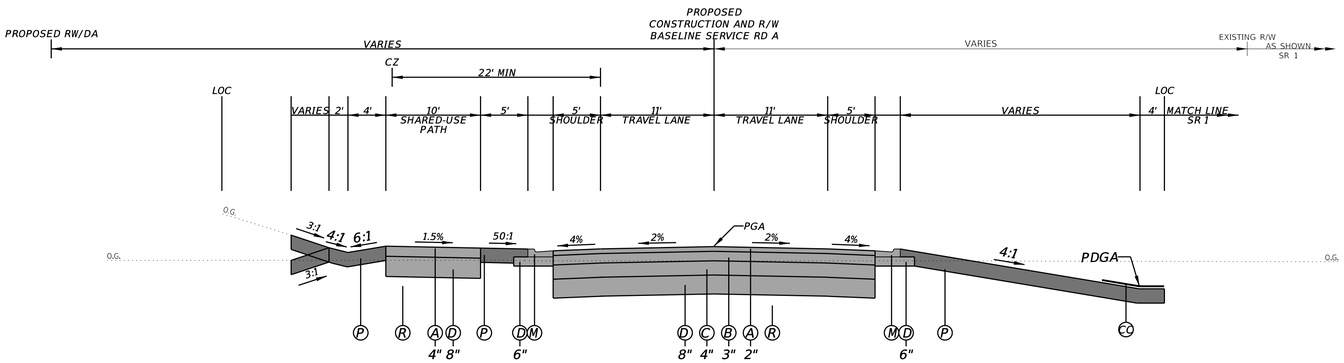
TYPICAL SECTIONS

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TYPICAL SUPERELEVATED SECTION - SERVICE RD A

STATION 1210+62.52 TO 1219+05.24



TYPICAL NORMAL SECTION - SERVICE RD A

STATION 1201+50.97 TO 1210+62.52
STATION 1219+05.24 TO 1222+80.93

MATERIAL	BINDER GRADE	LIFT THICKNESS	
		MINIMUM	MAXIMUM
TYPE C (4.75 MM MIX)	ALL	0.5"	1"
TYPE C (9.5 MM MIX)	ALL	1.25"	2"
TYPE C (12.5 MM MIX)	ALL	1.5"	2"
TYPE B (19 MM MIX)	76-22, 70-22	2.25"	4"
TYPE B (19 MM MIX)	64-22	2.25"	6"
TYPE BCBC (25 MM MIX)	64-22	3"	6"
GRADED AGGREGATE BASE COURSE		4"	8"

LEGEND

- (A) ITEM 401005 - SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)
- (B) ITEM 401014 - SUPERPAVE TYPE B, PG 64-22
- (C) ITEM 401021 - SUPERPAVE TYPE BCBC, PG 64-22
- (D) ITEM 301001 - GABC
- (E) ITEM 760012 - PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, VARIABLE DEPTH
- (F) ITEM 401037 - SUPERPAVE TYPE B, PG 64-22,WEDGE
- (G) ITEM 401030 - SUPERPAVE TYPE B, PG 64-22, PATCHING
- (H) ITEM 401031 - SUPERPAVE TYPE BCBC, PG 64-22, PATCHING
- (I) ITEM 301002 - GABC PATCHING
- (J) ITEM 701013 - P.C.C. CURB, TYPE 1-8
- (K) ITEM 701025 - P.C.C. CURB, TYPE 2 ROUNDABOUT
- (L) ITEM 701016 - INTEGRAL P.C.C. CURB AND GUTTER, TYPE 1-4
- (M) ITEM 701018 - INTEGRAL P.C.C. CURB AND GUTTER, TYPE 1-8
- (N) ITEM 705001 - P.C.C. SIDEWALK, 4"
- (O) ITEM 705521 - PATTERNED P.C.C. SIDEWALK, 8"
  ITEM 908004 - TOPSOIL, 6" DEPTH
- (P) ITEM 908014 - PERMANENT GRASS SEEDING, DRY GROUND
  ITEM 908026 - EROSION CONTROL MULCH
- (R) ITEM 209001 - BORROW, TYPE A, 12" MAX LIFTS
- (S) ITEM 209006 - MATERIAL MEETING THE REQUIREMENTS OF BORROW, TYPE F
- (T) SAFETY EDGE FOR ROADWAY PAVEMENT
- (U) ITEM 723013 - CONCRETE ROADSIDE BARRIER, 42" TYPE 2
- (V) ITEM 723015 - CONCRETE MEDIAN BARRIER, 42" F-SHAPE
- (W) ITEM 401046 - SUPERPAVE TYPE C, PG 76-22 (NON-CARBONATE STONE)
- (X) ITEM 709001 - PERFORATED PIPE UNDERDRAINS, 6"
- (Y) ITEM 701027 - P.C.C. CURB, TYPE 1-2 ROUNDABOUT
- (Z) ITEM 401016 - SUPERPAVE TYPE B, PG 76-22
- (AA) ITEM 701011 - P.C.C. CURB, TYPE 1-4
- (BB) ITEM 720021 - GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31
- (CC) ITEM 908020 - EROSION CONTROL BLANKET MULCH, 1 ROLL WIDTH, 6' MIN
- (DD) ITEM 705519 - PATTERNED P.C.C. SIDEWALK, 6"
- (EE) ITEM 707001 - RIPRAP, R-4
- (FF) ITEM 501001 - P.C.C. PAVEMENT, 8"
- (HH) ITEM 401029 - SUPERPAVE TYPE C, PG 64-22, PATCHING
- (II) DELAWARE #57 STONE (INCIDENTAL TO ITEM 723013)
  GEOTEXTILES, SEPARATION (INCIDENTAL TO ITEM 723013)
- (JJ) ITEM 207023 - STRUCTURAL BACKFILL, BORROW TYPE C, PROVIDING ONLY
- (KK) ITEM 701014 - P.C.C. CURB, TYPE 2

ADDENDA / REVISIONS

NOT TO SCALE

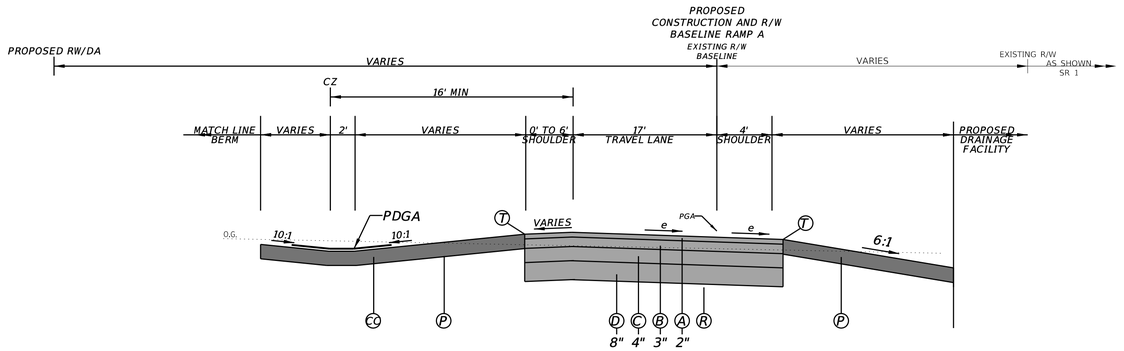
SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

TYPICAL SECTIONS

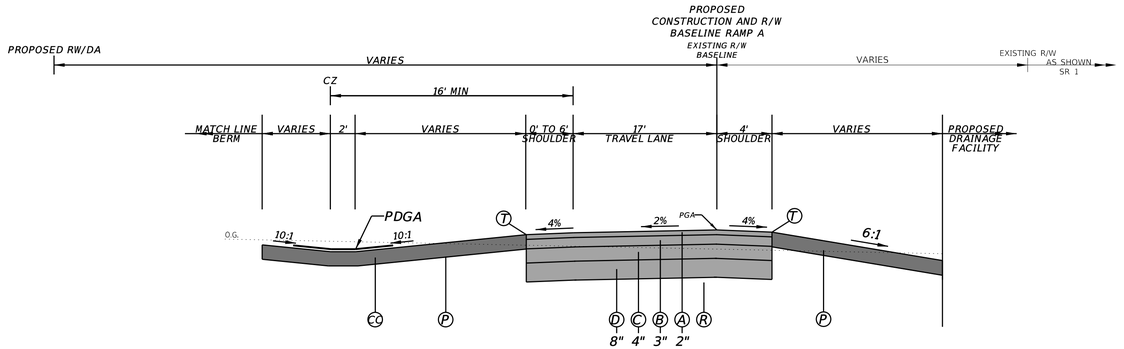
SECTION
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SHEET NO.
18

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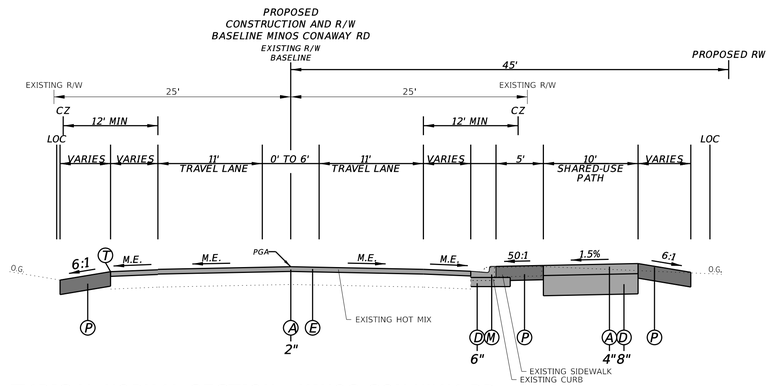
TYPICAL SUPERELEVATED SECTION - RAMP A

STATION 1401+37.22 TO 1405+62.44
STATION 1407+20.65 TO 1409+24.24



TYPICAL NORMAL SECTION - RAMP A

STATION 1405+62.44 TO 1407+20.65



TYPICAL NORMAL SECTION - MINOS CONAWAY RD

STATION 1301+00.00 TO 1302+19.80

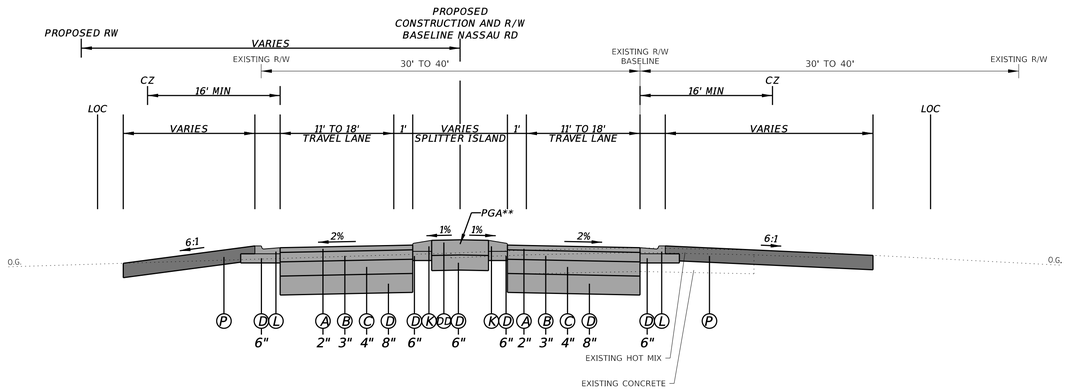
MATERIAL	BINDER GRADE	LIFT THICKNESS	
		MINIMUM	MAXIMUM
TYPE C (4.75 MM MIX)	ALL	0.5"	1"
TYPE C (9.5 MM MIX)	ALL	1.25"	2"
TYPE C (12.5 MM MIX)	ALL	1.5"	2"
TYPE B (19 MM MIX)	76-22, 70-22	2.25"	4"
TYPE B (19 MM MIX)	64-22	2.25"	6"
TYPE BCBC (25 MM MIX)	64-22	3"	6"
GRADED AGGREGATE BASE COURSE		4"	8"

LEGEND

- (A) ITEM 401005 - SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)
- (B) ITEM 401014 - SUPERPAVE TYPE B, PG 64-22
- (C) ITEM 401021 - SUPERPAVE TYPE BCBC, PG 64-22
- (D) ITEM 301001 - GABC
- (E) ITEM 760012 - PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, VARIABLE DEPTH
- (F) ITEM 401037 - SUPERPAVE TYPE B, PG 64-22,WEDGE
- (G) ITEM 401030 - SUPERPAVE TYPE B, PG 64-22, PATCHING
- (H) ITEM 401031 - SUPERPAVE TYPE BCBC, PG 64-22, PATCHING
- (I) ITEM 301002 - GABC PATCHING
- (J) ITEM 701013 - P.C.C. CURB, TYPE 1-8
- (K) ITEM 701025 - P.C.C. CURB, TYPE 2 ROUNDABOUT
- (L) ITEM 701016 - INTEGRAL P.C.C. CURB AND GUTTER, TYPE 1-4
- (M) ITEM 701018 - INTEGRAL P.C.C. CURB AND GUTTER, TYPE 1-8
- (N) ITEM 705001 - P.C.C. SIDEWALK, 4"
- (O) ITEM 705521 - PATTERNED P.C.C. SIDEWALK, 8"
  ITEM 908004 - TOPSOIL, 6" DEPTH
- (P) ITEM 908014 - PERMANENT GRASS SEEDING, DRY GROUND
  ITEM 908026 - EROSION CONTROL MULCH
- (R) ITEM 209001 - BORROW, TYPE A, 12" MAX LIFTS
- (S) ITEM 209006 - MATERIAL MEETING THE REQUIREMENTS OF BORROW, TYPE F
- (T) SAFETY EDGE FOR ROADWAY PAVEMENT
- (U) ITEM 723013 - CONCRETE ROADSIDE BARRIER, 42" TYPE 2
- (V) ITEM 723015 - CONCRETE MEDIAN BARRIER, 42" F-SHAPE
- (W) ITEM 401046 - SUPERPAVE TYPE C, PG 76-22 (NON-CARBONATE STONE)
- (X) ITEM 709001 - PERFORATED PIPE UNDERDRAINS, 6"
- (Y) ITEM 701027 - P.C.C. CURB, TYPE 1-2 ROUNDABOUT
- (Z) ITEM 401016 - SUPERPAVE TYPE B, PG 76-22
- (AA) ITEM 701011 - P.C.C. CURB, TYPE 1-4
- (BB) ITEM 720021 - GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31
- (CC) ITEM 908020 - EROSION CONTROL BLANKET MULCH, 1 ROLL WIDTH, 6' MIN
- (DD) ITEM 705519 - PATTERNED P.C.C. SIDEWALK, 6"
- (EE) ITEM 707001 - RIPRAP, R-4
- (FF) ITEM 501001 - P.C.C. PAVEMENT, 8"
- (HH) ITEM 401029 - SUPERPAVE TYPE C, PG 64-22, PATCHING
- (II) DELAWARE #57 STONE (INCIDENTAL TO ITEM 723013)
  GEOTEXTILES, SEPARATION (INCIDENTAL TO ITEM 723013)
- (JJ) ITEM 207023 - STRUCTURAL BACKFILL, BORROW TYPE C, PROVIDING ONLY
- (KK) ITEM 701014 - P.C.C. CURB, TYPE 2

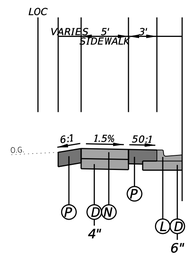
ADDENDA / REVISIONS		NOT TO SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO. X	TYPICAL SECTIONS	SECTION
				T201612501	DESIGNED BY: N. RIGOLINO		PD
				COUNTY	CHECKED BY: B. BEHRENS		SHEET NO.
				SUSSEX			19

16-AUG-2024
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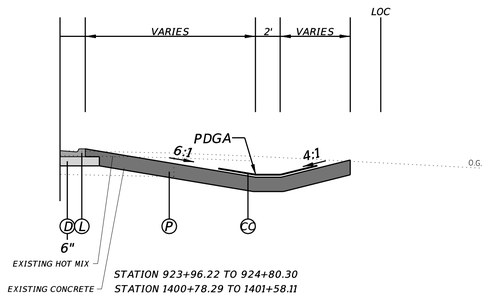


TYPICAL NORMAL SECTION - SPLITTER ISLAND

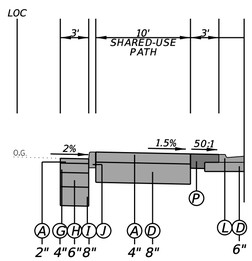
STATION 920+77.29 TO 921+44.54
STATION 923+96.22 TO 924+80.30
STATION 1002+14.99 TO 1002+64.99
STATION 1007+67.22 TO 1008+47.47
STATION 1009+99.76 TO 1010+83.66
STATION 1117+36.65 TO 1118+61.76
STATION 1200+75.95 TO 1201+50.97
STATION 1222+80.93 TO 1223+79.02
STATION 1302+19.80 TO 1302+85.74
STATION 1400+65.13 TO 1401+38.32



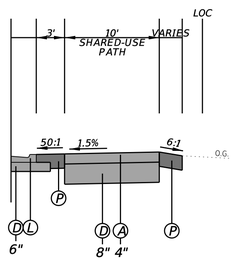
STATION 920+77.29 TO 921+44.54



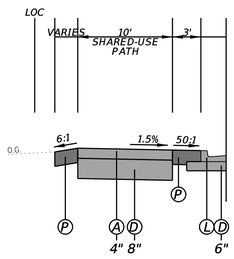
STATION 923+96.22 TO 924+80.30
STATION 1400+78.29 TO 1401+58.11



STATION 1117+36.65 TO 1118+61.76



STATION 1200+75.95 TO 1201+50.97
STATION 1303+32.17 TO 1304+07.18



STATION 1222+40.32 TO 1223+15.32

MATERIAL	BINDER GRADE	LIFT THICKNESS	
		MINIMUM	MAXIMUM
TYPE C (4.75 MM MIX)	ALL	0.5"	1"
TYPE C (9.5 MM MIX)	ALL	1.25"	2"
TYPE C (12.5 MM MIX)	ALL	1.5"	2"
TYPE B (19 MM MIX)	76-22, 70-22	2.25"	4"
TYPE B (19 MM MIX)	64-22	2.25"	6"
TYPE BCBC (25 MM MIX)	64-22	3"	6"
GRADED AGGREGATE BASE COURSE		4"	8"

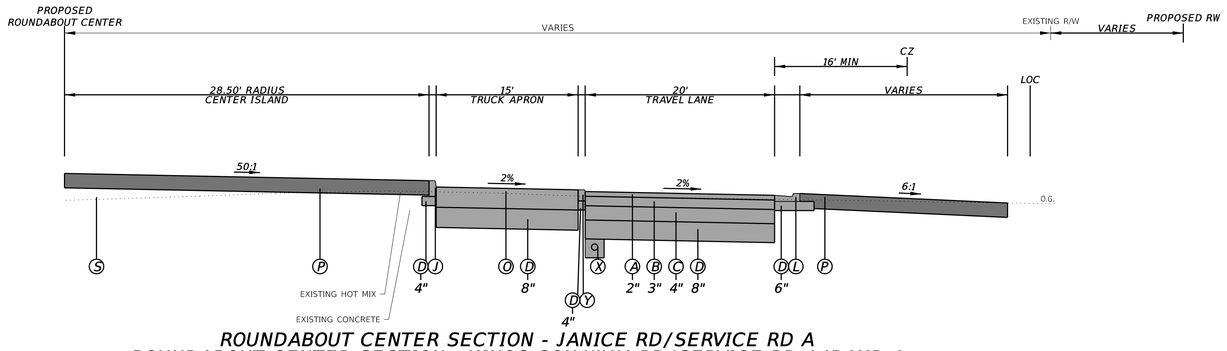
NOTES:
**IN AREAS WHERE THE PGA IS LOCATED WITHIN THE SPLITTER ISLAND, ITS VERTICAL LOCATION SHALL BE THE TOP OF THE ADJACENT PAVEMENT ELEVATION PROJECTED AT THE PROPOSED CROSS SLOPE TO THE CONSTRUCTION BASELINE.

LEGEND

- (A) ITEM 401005 - SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)
- (B) ITEM 401014 - SUPERPAVE TYPE B, PG 64-22
- (C) ITEM 401021 - SUPERPAVE TYPE BCBC, PG 64-22
- (D) ITEM 301001 - GABC
- (E) ITEM 760012 - PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, VARIABLE DEPTH
- (F) ITEM 401037 - SUPERPAVE TYPE B, PG 64-22,WEDGE
- (G) ITEM 401030 - SUPERPAVE TYPE B, PG 64-22, PATCHING
- (H) ITEM 401031 - SUPERPAVE TYPE BCBC, PG 64-22, PATCHING
- (I) ITEM 301002 - GABC PATCHING
- (J) ITEM 701013 - P.C.C. CURB, TYPE 1-8
- (K) ITEM 701025 - P.C.C. CURB, TYPE 2 ROUNDABOUT
- (L) ITEM 701016 - INTEGRAL P.C.C. CURB AND GUTTER, TYPE 1-4
- (M) ITEM 701018 - INTEGRAL P.C.C. CURB AND GUTTER, TYPE 1-8
- (N) ITEM 705001 - P.C.C. SIDEWALK, 4"
- (O) ITEM 705521 - PATTERNED P.C.C. SIDEWALK, 8"
  ITEM 908004 - TOPSOIL, 6" DEPTH
- (P) ITEM 908014 - PERMANENT GRASS SEEDING, DRY GROUND
  ITEM 908026 - EROSION CONTROL MULCH
- (R) ITEM 209001 - BORROW, TYPE A, 12" MAX LIFTS
- (S) ITEM 209006 - MATERIAL MEETING THE REQUIREMENTS OF BORROW, TYPE F
- (T) SAFETY EDGE FOR ROADWAY PAVEMENT
- (U) ITEM 723013 - CONCRETE ROADSIDE BARRIER, 42" TYPE 2
- (V) ITEM 723015 - CONCRETE MEDIAN BARRIER, 42" F-SHAPE
- (W) ITEM 401046 - SUPERPAVE TYPE C, PG 76-22 (NON-CARBONATE STONE)
- (X) ITEM 709001 - PERFORATED PIPE UNDERDRAINS, 6"
- (Y) ITEM 701027 - P.C.C. CURB, TYPE 1-2 ROUNDABOUT
- (Z) ITEM 401016 - SUPERPAVE TYPE B, PG 76-22
- (AA) ITEM 701011 - P.C.C. CURB, TYPE 1-4
- (BB) ITEM 720021 - GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31
- (CC) ITEM 908020 - EROSION CONTROL BLANKET MULCH, 1 ROLL WIDTH, 6' MIN
- (DD) ITEM 705519 - PATTERNED P.C.C. SIDEWALK, 6"
- (EE) ITEM 707001 - RIPRAP, R-4
- (FF) ITEM 501001 - P.C.C. PAVEMENT, 8"
- (GG) ITEM 401029 - SUPERPAVE TYPE C, PG 64-22, PATCHING
- (II) DELAWARE #57 STONE (INCIDENTAL TO ITEM 723013)
  GEOTEXTILES, SEPARATION (INCIDENTAL TO ITEM 723013)
- (JJ) ITEM 207023 - STRUCTURAL BACKFILL, BORROW TYPE C, PROVIDING ONLY
- (KK) ITEM 701014 - P.C.C. CURB, TYPE 2

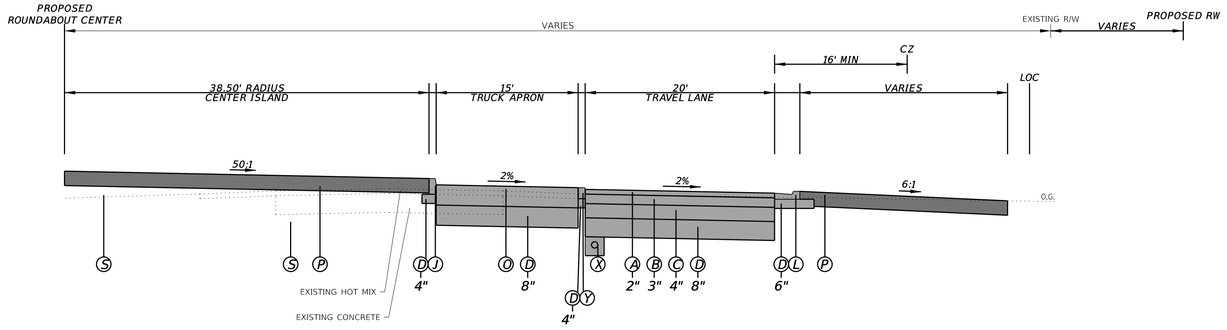
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ADDENDA / REVISIONS		NOT TO SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO. X	TYPICAL SECTIONS	SECTION
				T201612501	DESIGNED BY: N. RIGOLINO		PD
				COUNTY	CHECKED BY: B. BEHRENS		SHEET NO.
				SUSSEX			20



ROUNDABOUT CENTER SECTION - JANICE RD/SERVICE RD A
ROUNDABOUT CENTER SECTION - MINOS CONAWAY RD/SERVICE RD A/RAMP A

STATION 1000+89.93 TO 1002+12.68
STATION 1118+63.70 TO 1119+20.13
STATION 1200+00.00 TO 1200+73.99
STATION 1223+17.31 TO 1223+82.31
STATION 1304+09.16 TO 1305+10.57
STATION 1400+00.00 TO 1400+74.77



ROUNDABOUT CENTER SECTION - NASSAU RD/NEW RD

STATION 922+45.25 TO 923+95.25
STATION 1008+48.60 TO 1009+23.60

MATERIAL	BINDER GRADE	LIFT THICKNESS	
		MINIMUM	MAXIMUM
TYPE C (4.75 MM MIX)	ALL	0.5"	1"
TYPE C (9.5 MM MIX)	ALL	1.25"	2"
TYPE C (12.5 MM MIX)	ALL	1.5"	2"
TYPE B (19 MM MIX)	76-22, 70-22	2.25"	4"
TYPE B (19 MM MIX)	64-22	2.25"	6"
TYPE BCBC (25 MM MIX)	64-22	3"	6"
GRADED AGGREGATE BASE COURSE		4"	8"

LEGEND

- (A) ITEM 401005 - SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)
- (B) ITEM 401014 - SUPERPAVE TYPE B, PG 64-22
- (C) ITEM 401021 - SUPERPAVE TYPE BCBC, PG 64-22
- (D) ITEM 301001 - GABC
- (E) ITEM 760012 - PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, VARIABLE DEPTH
- (F) ITEM 401037 - SUPERPAVE TYPE B, PG 64-22,WEDGE
- (G) ITEM 401030 - SUPERPAVE TYPE B, PG 64-22, PATCHING
- (H) ITEM 401031 - SUPERPAVE TYPE BCBC, PG 64-22, PATCHING
- (I) ITEM 301002 - GABC PATCHING
- (J) ITEM 701013 - P.C.C. CURB, TYPE 1-8
- (K) ITEM 701025 - P.C.C. CURB, TYPE 2 ROUNDABOUT
- (L) ITEM 701016 - INTEGRAL P.C.C. CURB AND GUTTER, TYPE 1-4
- (M) ITEM 701018 - INTEGRAL P.C.C. CURB AND GUTTER, TYPE 1-8
- (N) ITEM 705001 - P.C.C. SIDEWALK, 4"
- (O) ITEM 705521 - PATTERNED P.C.C. SIDEWALK, 8"
  ITEM 908004 - TOPSOIL, 6" DEPTH
- (P) ITEM 908014 - PERMANENT GRASS SEEDING, DRY GROUND
  ITEM 908026 - EROSION CONTROL MULCH
- (R) ITEM 209001 - BORROW, TYPE A, 12" MAX LIFTS
- (S) ITEM 209006 - MATERIAL MEETING THE REQUIREMENTS OF BORROW, TYPE F
- (T) SAFETY EDGE FOR ROADWAY PAVEMENT
- (U) ITEM 723013 - CONCRETE ROADSIDE BARRIER, 42" TYPE 2
- (V) ITEM 723015 - CONCRETE MEDIAN BARRIER, 42" F-SHAPE
- (W) ITEM 401046 - SUPERPAVE TYPE C, PG 76-22 (NON-CARBONATE STONE)
- (X) ITEM 709001 - PERFORATED PIPE UNDERDRAINS, 6"
- (Y) ITEM 701027 - P.C.C. CURB, TYPE 1-2 ROUNDABOUT
- (Z) ITEM 401016 - SUPERPAVE TYPE B, PG 76-22
- (AA) ITEM 701011 - P.C.C. CURB, TYPE 1-4
- (BB) ITEM 720021 - GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31
- (CC) ITEM 908020 - EROSION CONTROL BLANKET MULCH, 1 ROLL WIDTH, 6' MIN
- (DD) ITEM 705519 - PATTERNED P.C.C. SIDEWALK, 6"
- (EE) ITEM 707001 - RIPRAP, R-4
- (FF) ITEM 501001 - P.C.C. PAVEMENT, 8"
- (HH) ITEM 401029 - SUPERPAVE TYPE C, PG 64-22, PATCHING
- (II) DELAWARE #57 STONE (INCIDENTAL TO ITEM 723013)
  GEOTEXTILES, SEPARATION (INCIDENTAL TO ITEM 723013)
- (JJ) ITEM 207023 - STRUCTURAL BACKFILL, BORROW TYPE C, PROVIDING ONLY
- (KK) ITEM 701014 - P.C.C. CURB, TYPE 2

ADDENDA / REVISIONS

NOT TO SCALE

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

TYPICAL SECTIONS

SECTION	
PD	
SHEET NO.	
21	

16-AUG-2024
12:22
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HORIZONTAL / VERTICAL CONTROL DATA

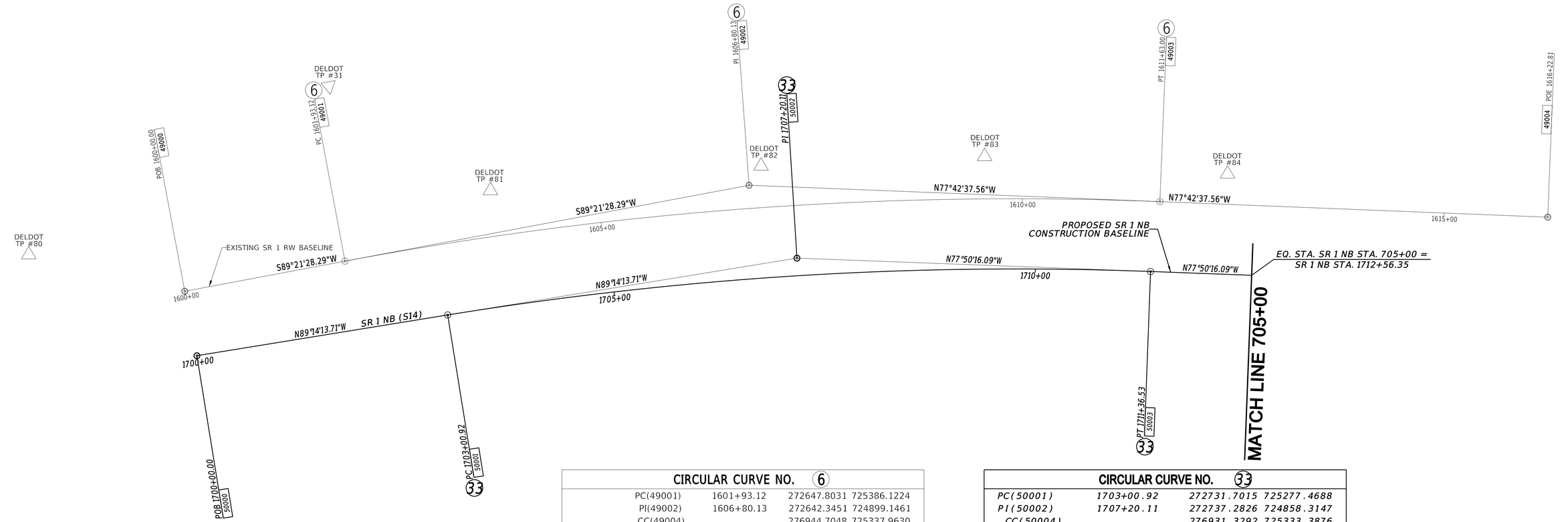
POINT NO.	STATION	OFFSET	NORTHING	EASTING	ELEV.
31	1702+05.56	-290.29	272440.1684	725368.9512	27.19
80			272575.1886	725753.7089	26.30
81	1703+72.30	-137.93	272595.3920	725201.9250	26.55
82	1706+84.10	-132.67	272622.3200	724881.2380	25.05
83	1709+41.13	-133.52	272657.1926	724618.4128	23.62
84	1712+23.32	-118.94	272727.6132	724338.6341	23.04

CONSTRUCTION ALIGNMENT CONTROL

POINT NO.	STATION	OFFSET	NORTHING	EASTING
49000	1600+00.00	0.00	272649.9674	725579.2313
49005	1616+22.81	0.00	272843.8791	723974.0184

CONSTRUCTION ALIGNMENT CONTROL

POINT NO.	STATION	OFFSET	NORTHING	EASTING
50000	1700+00.00	0.00	272727.6950	725578.3601



CIRCULAR CURVE NO. 6

PC(49001)	1601+93.12	272647.8031	725386.1224
PI(49002)	1606+80.13	272642.3451	724899.1461
CC(49004)		276944.7048	725337.9630
PT(49003)	1611+63.00	272746.0057	724423.2994
	Radius:		4297.17
	Delta:		12°55'54.15" Right
	Degree of Curvature:		1°20'00.01"
	Length:		969.88
	Tangent:		487.01
	Chord:		967.82
	Middle Ordinate:		27.33
	External:		27.51
	Tangent Direction:		S 89°21'28.29" W
	Radial Direction:		N 0°38'31.71" W
	Chord Direction:		N 84°10'34.63" W
	Radial Direction:		N 12°17'22.44" E
	Tangent Direction:		N 77°42'37.56" W

CIRCULAR CURVE NO. 33

PC(50001)	1703+00.92	272731.7015	725277.4688
PI(50002)	1707+20.11	272737.2826	724858.3147
CC(50004)		276931.3292	725333.3876
PT(50003)	1711+36.53	272825.5977	724448.5321
	Radius:		4200.00
	Delta:		11°23'57.62" Right
	Degree of Curvature:		1°21'51.07"
	Length:		835.62
	Tangent:		419.19
	Chord:		834.24
	Middle Ordinate:		20.76
	External:		20.87
	Tangent Direction:		N 89°14'13.71" W
	Radial Direction:		N 0°45'46.29" E
	Chord Direction:		N 83°32'14.90" W
	Radial Direction:		N 12°09'43.91" E
	Tangent Direction:		N 77°50'16.09" W

ADDENDA / REVISIONS

SCALE
0 60 120 180
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T202204302	DESIGNED BY:	N. RIGOLINO
COUNTY	CHECKED BY:	B. BEHRENS
SUSSEX		

HORIZONTAL AND VERTICAL CONTROL

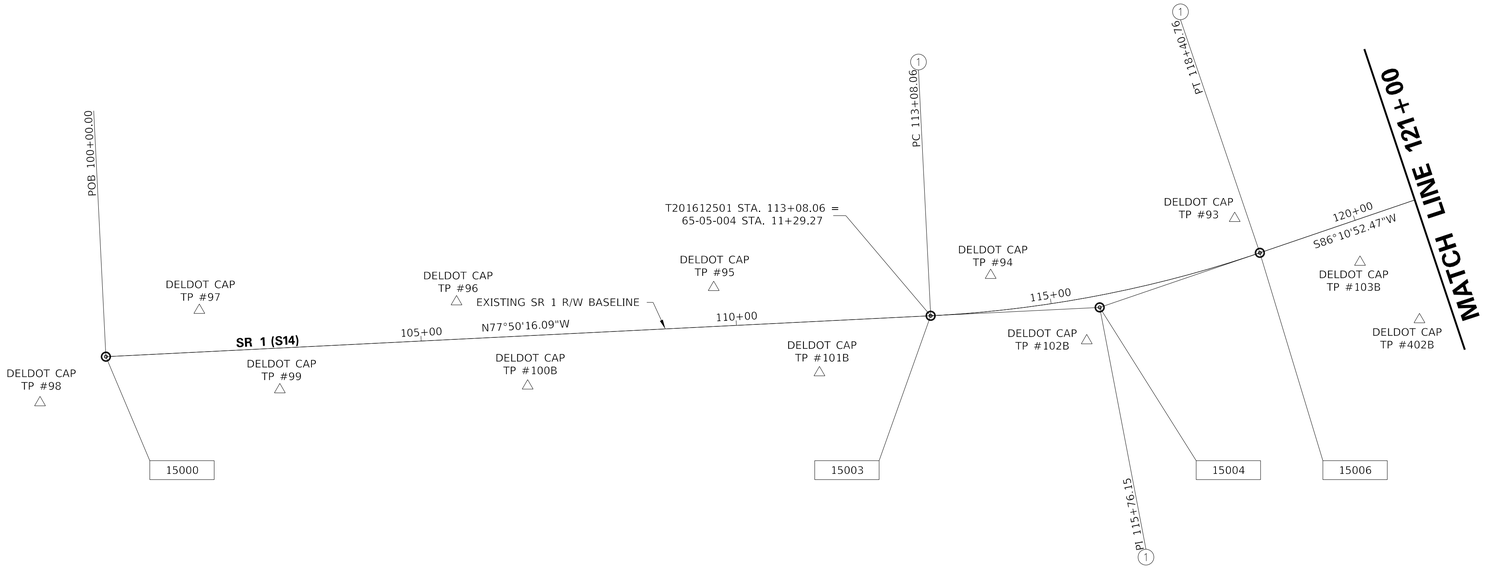
SECTION
PD
SHEET NO.
22

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HORIZONTAL / VERTICAL CONTROL DATA					
POINT NO.	STATION	OFFSET	NORTHING	EASTING	ELEVATION
93	118+19.81	-64.38	273014.4830	722707.1290	20.48
94	114+09.25	-56.73	273001.5260	723103.7710	21.94
95	109+67.09	-61.94	272906.4640	723532.4760	24.69
96	105+58.98	-59.35	272823.0220	723931.9670	24.29
97	101+51.39	-66.16	272730.4950	724328.9740	22.89
98	N/A	N/A	272806.6960	724610.6200	23.50
99	102+72.58	65.89	272885.1090	724238.3320	23.12
100B	106+65.00	79.38	272980.9760	723857.5550	23.52
101B	111+27.65	81.26	273080.2820	723405.6890	24.25
102B	115+45.35	66.79	273140.8560	722983.6100	25.03
103B	119+86.15	65.25	273132.9010	722533.2300	20.39
402B	120+45.93	181.75	273245.1620	722465.8170	17.79

*NEGATIVE OFFSET DENOTES LEFT OF THE BASELINE

R/W ALIGNMENT CONTROL				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
15000	100+00.00	0.00	272763.2710	724490.9083
15001	105+00.00	0.00	272868.6110	724002.1307
15002	110+00.00	0.00	272973.9509	723513.3532



CIRCULAR CURVE NO. 1			
Element: Circular			
PC (15003)	113+08.06	273038.8527	723212.2085
PI (15004)	115+76.15	273095.3338	722950.1361
CC (15005)		271171.8593	722809.8395
PT (15006)	118+40.76	273077.4789	722682.6417
Radius:	1909.86		
Delta:	15°58'51.4334" Left		
Degree of Curvature(Arc):	2°59'59.9962"		
Length:	532.70		
Tangent:	268.09		
Chord:	530.97		
Middle Ordinate:	18.54		
External:	18.72		
Tangent Direction:	N 77°50'16.0935" W		
Radial Direction:	N 12°09'43.9065" E		
Chord Direction:	N 85°49'41.8102" W		
Radial Direction:	N 3°49'07.5269" W		
Tangent Direction:	S 86°10'52.4731" W		

DATUM REFERENCE:

HORIZONTAL - THIS PROJECT IS REFERENCED TO THE DELAWARE STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM OF 1983 (NAD 83).

VERTICAL - THIS PROJECT IS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

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ADDENDA / REVISIONS	

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FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

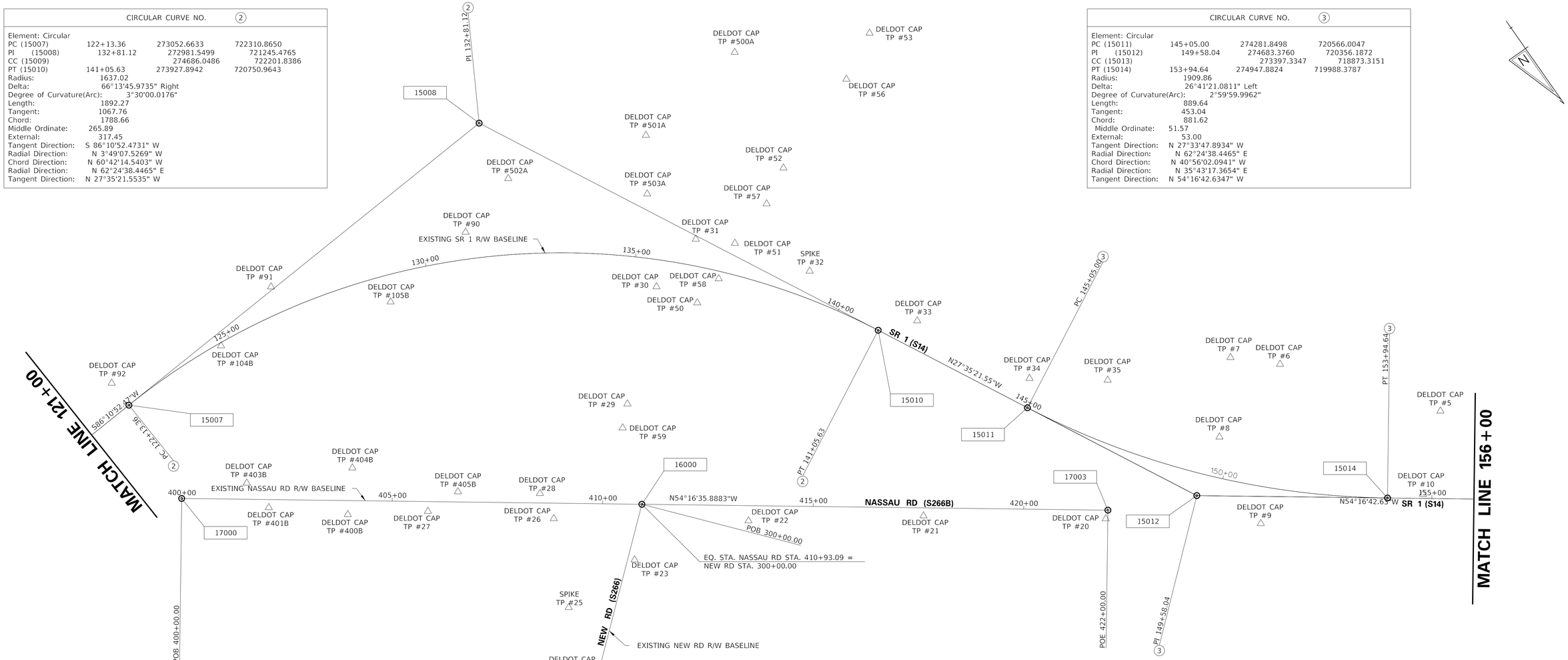
CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

HORIZONTAL AND VERTICAL CONTROL

SECTION
PD
SHEET NO.
23

CIRCULAR CURVE NO. ②			
Element: Circular			
PC (15007)	122+13.36	273052.6633	722310.8650
PI (15008)	132+81.12	272981.5499	721245.4765
CC (15009)		274686.0486	722201.8386
PT (15010)	141+05.63	273927.8942	720750.9643
Radius:	1637.02		
Delta:	66°13'45.9735" Right		
Degree of Curvature(Arc):	3°30'00.0176"		
Length:	1892.27		
Tangent:	1067.76		
Chord:	1788.66		
Middle Ordinate:	265.89		
External:	317.45		
Tangent Direction:	S 86°10'52.4731" W		
Radial Direction:	N 3°49'07.5269" W		
Chord Direction:	N 60°42'14.5403" W		
Radial Direction:	N 62°24'38.4465" E		
Tangent Direction:	N 27°35'21.5535" W		

CIRCULAR CURVE NO. ③			
Element: Circular			
PC (15011)	145+05.00	274281.8498	720566.0047
PI (15012)	149+58.04	274683.3760	720356.1872
CC (15013)		273397.3347	718873.3151
PT (15014)	153+94.64	274947.8824	719988.3787
Radius:	1909.86		
Delta:	26°41'21.0811" Left		
Degree of Curvature(Arc):	2°59'59.9962"		
Length:	889.64		
Tangent:	453.04		
Chord:	881.62		
Middle Ordinate:	51.57		
External:	53.00		
Tangent Direction:	N 27°33'47.8934" W		
Radial Direction:	N 62°24'38.4465" E		
Chord Direction:	N 40°56'02.0941" W		
Radial Direction:	N 35°43'17.3654" E		
Tangent Direction:	N 54°16'42.6347" W		



R/W ALIGNMENT CONTROL				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
16000	300+00.00	0.00	273944.2798	721447.6511
16001	305+00.00	0.00	274269.0644	721827.8023
16002	311+00.00	0.00	274658.8060	722283.9838
17000	400+00.00	0.00	273306.0550	722335.0711
17001	405+00.00	0.00	273597.9911	721929.1483
17002	415+00.00	0.00	274181.8635	721117.3028
17003	422+00.00	0.00	274590.5741	720549.0110

DATUM REFERENCE:

HORIZONTAL - THIS PROJECT IS REFERENCED TO THE DELAWARE STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM OF 1983 (NAD 83).

VERTICAL - THIS PROJECT IS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

HORIZONTAL / VERTICAL CONTROL DATA					
POINT NO.	STATION	OFFSET	NORTHING	EASTING	ELEVATION
5	155+17.63	-207.94	274850.8699	719767.1214	31.62
6	150+87.09	-293.28	274541.4704	720015.3732	29.74
7	149+47.46	-284.32	274460.8531	720102.6673	23.09
8	149+69.24	-94.95	274600.3173	720232.2546	22.80
9	151+06.51	87.05	274824.9139	720269.6231	24.76
10	154+78.90	-9.95	274989.0004	719914.1659	23.43
20	147+68.97	168.29	274604.3720	720564.9930	21.23
21	417+62.27	18.90	274350.3434	720915.4174	22.22
22	413+46.75	35.98	274121.5961	721262.7290	23.71
23	301+32.10	-16.23	274042.4270	721537.5465	23.99
24	304+41.05	-20.78	274246.5705	721769.4884	23.76
25	302+80.68	106.94	274045.2943	721730.5238	24.36
26	408+84.39	36.53	273852.0809	721638.4140	24.66
27	405+85.08	23.11	273666.4264	721873.5737	22.93
28	408+50.56	-22.63	273784.2972	721631.3359	24.47
29	609+30.41	17.35	273729.4003	721339.1519	24.30
30	135+59.47	64.00	273541.1505	721123.1325	50.11
31	136+32.73	-62.96	273502.1377	720981.8784	55.96
32	139+03.67	-62.77	273719.4173	720803.6557	54.02
33	141+77.56	-62.63	273962.6356	720662.1422	46.17
34	144+77.21	-64.02	274227.5661	720522.1366	31.96
35	146+55.18	-140.45	274337.4594	720372.3043	22.43
50	606+38.89	7.73	273627.8328	721065.7242	23.72
51	604+71.73	8.69	273563.6017	720911.3971	24.17

*NEGATIVE OFFSET DENOTES LEFT OF THE BASELINE

HORIZONTAL / VERTICAL CONTROL DATA					
POINT NO.	STATION	OFFSET	NORTHING	EASTING	ELEVATION
52	602+58.93	8.38	273483.2510	720714.3472	23.84
53	N/A	N/A	273338.4784	720363.2761	24.14
56	600+00.86	-3.49	273396.4397	720471.0297	25.33
57	603+52.18	-3.88	273529.9297	720796.0007	24.81
58	605+63.26	-4.38	273610.3844	720991.1383	24.32
59	609+84.22	-3.76	273769.3277	721380.9441	23.72
90	131+03.93	-64.10	273175.0960	721420.2740	46.02
91	126+40.69	-64.73	273016.3460	721873.1110	30.60
92	122+14.27	-66.33	272986.4160	722314.3420	21.48
104B	124+74.59	6.72	273062.7780	722050.5600	22.85
105B	128+96.90	63.61	273208.5190	721660.9910	33.97
300A	307+03.98	-31.96	274425.8630	721962.1260	6.88
301A	309+84.97	-23.86	274602.2250	722181.0300	2.22
302A	307+91.01	25.40	274438.7790	722065.5580	5.71
303A	304+28.40	18.39	274208.5770	721785.3130	23.91
400B	403+95.03	32.94	273563.4480	722033.6010	22.16
401B	402+07.11	19.01	273442.4150	722178.0260	19.07
403B	401+54.04	-38.45	273364.7850	722187.5650	19.53
404B	404+04.50	-77.85	273479.0330	721961.2250	22.72
405B	406+55.84	-24.24	273669.3020	721788.4710	22.97
500A	600+90.61	254.37	273191.8202	720651.7988	24.56
501A	134+94.25	-289.49	273232.3588	720937.6211	24.97
502A	132+09.72	-180.59	273128.9291	721264.2418	25.96
503A	135+10.46	-151.59	273348.1139	721014.8087	25.96

*NEGATIVE OFFSET DENOTES LEFT OF THE BASELINE

ADDENDA / REVISIONS	

SCALE
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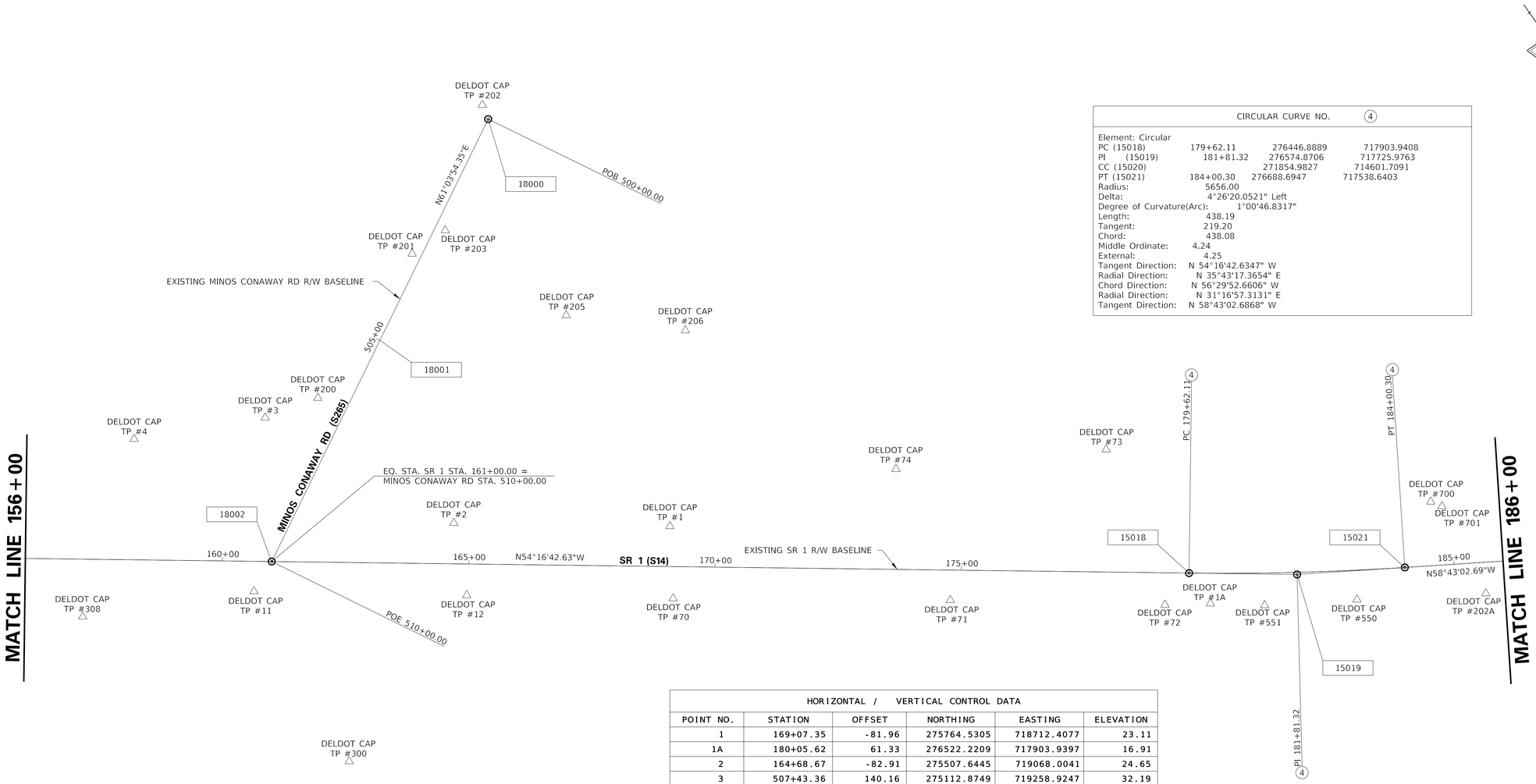
SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO. X
T201612501	DESIGNED BY: N. RIGOLINO
COUNTY	CHECKED BY: B. BEHRENS
SUSSEX	

HORIZONTAL AND VERTICAL CONTROL

SECTION
PD
SHEET NO.
24

11-JUN-2024
15:44:40
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CIRCULAR CURVE NO. (4)			
Element: Circular			
PC (15018)	179+62.11	276446.8889	717903.9408
PI (15019)	181+81.32	276574.8706	717725.9763
CC (15020)		271854.9827	714601.7091
PT (15021)	184+00.30	276688.6947	717538.6403
Radius:	5656.00		
Delta:	4°26'20.0521" Left		
Degree of Curvature(Arc):	1°00'46.8317"		
Length:	438.19		
Tangent:	219.20		
Chord:	438.08		
Middle Ordinate:	4.24		
External:	4.25		
Tangent Direction:	N 54°16'42.6347" W		
Radial Direction:	N 35°43'17.3654" E		
Chord Direction:	N 56°29'52.6606" W		
Radial Direction:	N 31°16'57.3131" E		
Tangent Direction:	N 58°43'02.6868" W		

R/W ALIGNMENT CONTROL				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
15015	165+00.00	0.00	275593.2418	719090.9766
15016	170+00.00	0.00	275885.1647	718685.0443
15017	175+00.00	0.00	276177.0876	718279.1120
18000	500+00.00	0.00	274875.8879	718540.5525
18001	505+00.00	0.00	275117.7957	718978.1375
18002	510+00.00	0.00	275359.7035	719415.7225

HORIZONTAL / VERTICAL CONTROL DATA					
POINT NO.	STATION	OFFSET	NORTHING	EASTING	ELEVATION
1	169+07.35	-81.96	275764.5305	718712.4077	23.11
1A	180+05.62	61.33	276522.2209	717903.9397	16.91
2	164+68.67	-82.91	275507.6445	719068.0041	24.65
3	507+43.36	140.16	275112.8749	719258.9247	32.19
4	158+17.67	-245.36	274995.6668	719501.6868	31.85
11	160+64.76	60.98	275388.6310	719479.9348	24.32
12	164+96.65	63.54	275642.8700	719130.7963	24.09
70	169+15.62	64.80	275888.5100	718791.3870	24.04
71	174+78.08	60.91	276213.7360	718332.4700	22.08
72	179+13.97	64.82	276471.4040	717980.8720	16.80
73	177+90.65	-248.73	276144.8520	717897.9240	23.44
74	173+64.57	-203.53	275932.7740	718270.2320	23.50
200	506+60.35	61.77	275141.3161	719148.3597	25.42
201	503+13.45	18.53	275011.3246	718823.8385	22.86
202	165+15.79	-932.28	274845.5790	718533.8502	18.96
202A	185+60.91	63.33	276826.2150	717434.2670	15.44
203	502+41.07	-20.75	275010.6816	718741.4907	21.48
205	502+88.23	-317.25	275292.9863	718639.3144	24.41
206	502+09.70	-548.01	275456.9484	718458.9438	25.20
300	162+62.49	403.61	275782.2490	719519.4540	22.37
308	157+17.92	116.55	275231.2570	719793.9660	23.84
550	183+00.09	59.68	276686.3541	717655.7026	16.80
551	181+14.58	65.36	276588.2981	717815.6911	17.64
700	184+61.25	-129.80	276609.4139	717419.1512	13.51
701	184+83.50	-119.05	276630.1474	717405.7139	13.52

*NEGATIVE OFFSET DENOTES LEFT OF THE BASELINE

DATUM REFERENCE:

HORIZONTAL - THIS PROJECT IS REFERENCED TO THE DELAWARE STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM OF 1983 (NAD 83).

VERTICAL - THIS PROJECT IS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

11-JUN-2024
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ADDENDA / REVISIONS	

SCALE
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FEET

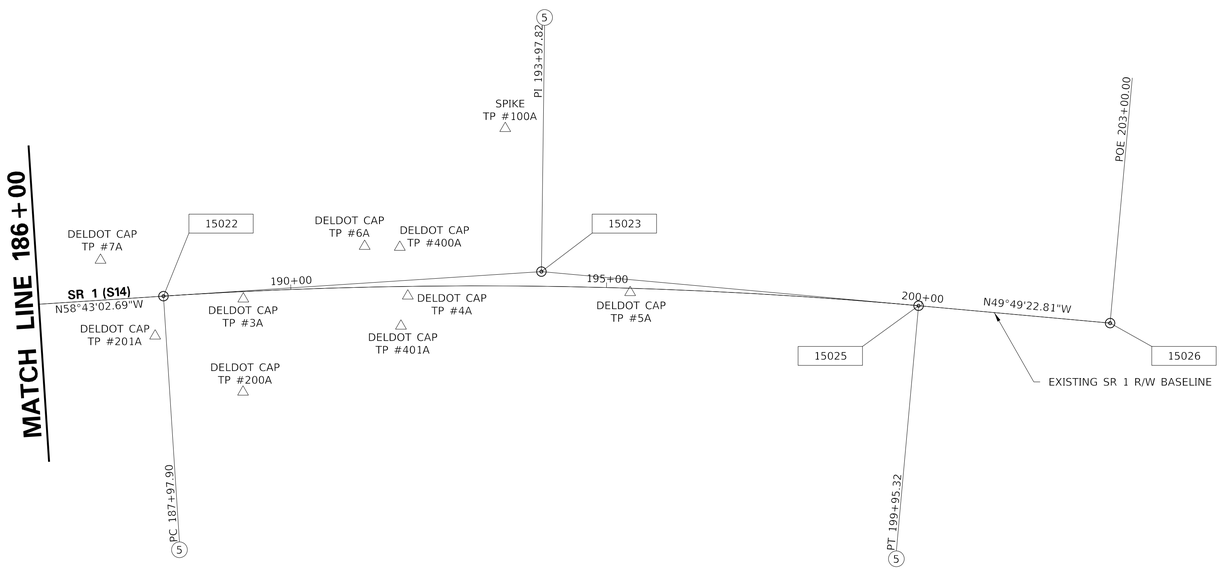
SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

HORIZONTAL AND VERTICAL CONTROL

SECTION
PD
SHEET NO.
25

CIRCULAR CURVE NO. (5)			
Element: Circular			
PC (15022)	187+97.90	276895.1522	717198.8447
PI (15023)	193+97.82	277206.6639	716686.1472
CC (15024)		283487.2465	721204.1574
PT (15025)	199+95.32	277593.6998	716227.7789
Radius:	7713.51		
Delta:	8°53'39.8722" Right		
Degree of Curvature(Arc):	0°44'34.0720"		
Length:	1197.42		
Tangent:	599.92		
Chord:	1196.22		
Middle Ordinate:	23.22		
External:	23.29		
Tangent Direction:	N 58°43'02.6868" W		
Radial Direction:	N 31°16'57.3131" E		
Chord Direction:	N 54°16'12.7508" W		
Radial Direction:	N 40°10'37.1852" E		
Tangent Direction:	N 49°49'22.8146" W		



R/W ALIGNMENT CONTROL				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
15026	203+00.00	0.00	277790.2639	715994.9871

HORIZONTAL / VERTICAL CONTROL DATA					
POINT NO.	STATION	OFFSET	NORTHING	EASTING	ELEVATION
3A	189+24.07	11.55	276971.3155	717097.7155	9.58
4A	191+85.00	15.03	277116.8078	716881.6412	5.52
5A	195+37.72	6.71	277314.3904	716589.9775	9.50
6A	191+18.35	-64.98	277013.1037	716892.5038	7.53
7A	187+02.00	-63.42	276791.1588	717247.8745	13.18
100A	193+38.33	-249.65	276987.9614	716602.9333	6.73
200A	189+16.26	158.89	277091.8947	717182.7491	2.05
201A	187+80.60	61.96	276939.1177	717245.8000	11.39
400A	191+73.54	-62.24	277046.3899	716847.8177	6.88
401A	191+73.34	62.58	277149.6677	716917.9158	4.17

*NEGATIVE OFFSET DENOTES LEFT OF THE BASELINE

DATUM REFERENCE:

HORIZONTAL - THIS PROJECT IS REFERENCED TO THE DELAWARE STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM OF 1983 (NAD 83).

VERTICAL - THIS PROJECT IS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

11-JUN-2024
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ADDENDA / REVISIONS	

SCALE
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FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

HORIZONTAL AND VERTICAL CONTROL

SECTION
PD
SHEET NO.
26

CIRCULAR CURVE NO. (1)

PC (40002)	713+84.32	273025.4184	723464.4055
PI (40003)	718+01.33	273113.2731	723056.7591
CC(40005)		270092.7530	722832.3659
PT (40004)	722+13.03	273086.6181	722640.6057

Radius:	3000.00
Delta:	15°49'37.3659" Left
Degree of Curvature(Arc):	1°54'35.4935"
Length:	828.70
Tangent:	417.01
Chord:	826.07
Middle Ordinate:	28.57
External:	28.84
Tangent Direction:	N 77°50'16.0892" W
Radial Direction:	N 12°09'43.9107" E
Chord Direction:	N 85°45'04.7723" W
Radial Direction:	N 3°39'53.4553" W
Tangent Direction:	S 86°20'06.5449" W

CIRCULAR CURVE NO. (2)

PC (41002)	815+46.62	273000.9569	723293.1147
PI (41003)	818+66.32	273068.3122	722980.5857
CC(41005)		270752.5801	722808.5510
PT (41004)	821+81.95	273047.8767	722661.5348

Radius:	2300.00
Delta:	15°49'37.3659" Left
Degree of Curvature(Arc):	2°29'28.0351"
Length:	635.34
Tangent:	319.70
Chord:	633.32
Middle Ordinate:	21.90
External:	22.11
Tangent Direction:	N 77°50'16.0892" W
Radial Direction:	N 12°09'43.9107" E
Chord Direction:	N 85°45'04.7723" W
Radial Direction:	N 3°39'53.4553" W
Tangent Direction:	S 86°20'06.5449" W

CIRCULAR CURVE NO. (3)

PC (42001)	903+10.25	273102.5126	723163.6466
PI (42002)	904+76.68	273137.5754	723000.9550
CC(42004)		271812.1398	722885.5492
PT (42003)	906+41.36	273131.1582	722834.6518

Radius:	1320.00
Delta:	14°22'19.1668" Left
Degree of Curvature(Arc):	4°20'26.1217"
Length:	331.11
Tangent:	166.43
Chord:	330.24
Middle Ordinate:	10.37
External:	10.45
Tangent Direction:	N 77°50'16.0892" W
Radial Direction:	N 12°09'43.9107" E
Chord Direction:	N 85°01'25.6727" W
Radial Direction:	N 2°12'35.2561" W
Tangent Direction:	S 87°47'24.7440" W

CIRCULAR CURVE NO. (4)

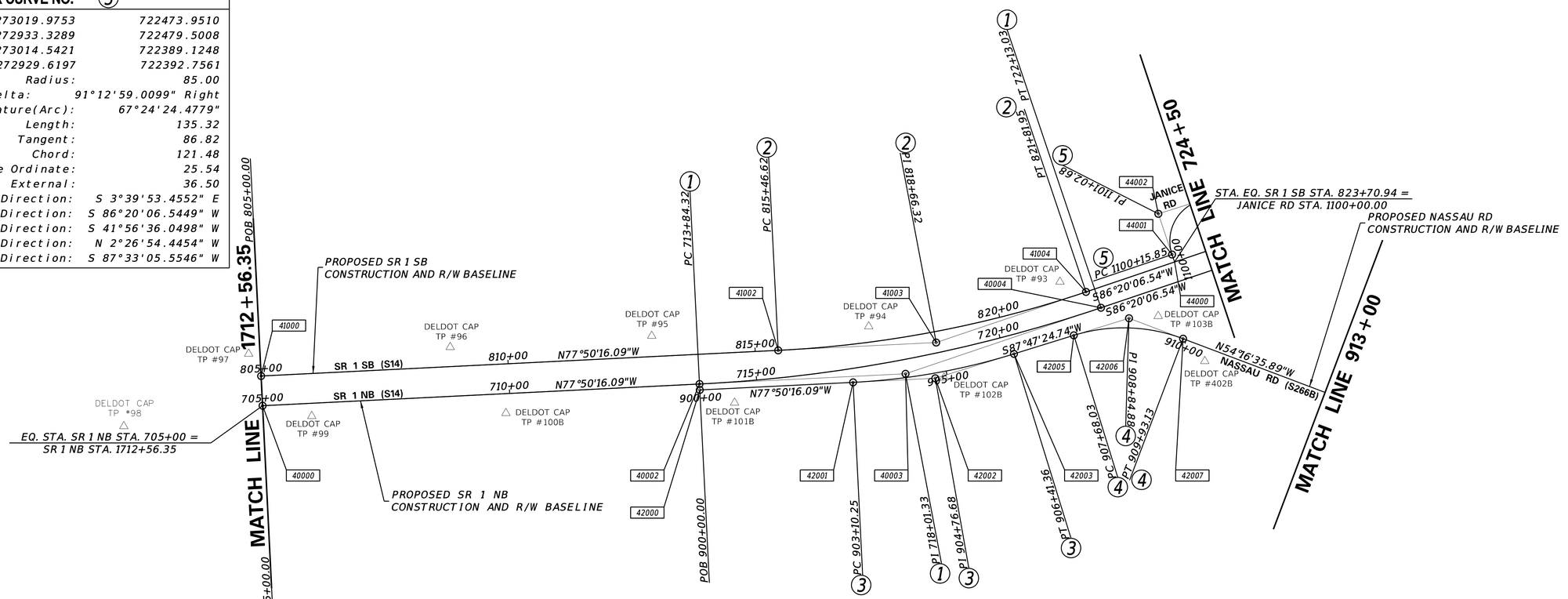
PC (42005)	907+68.03	273126.2740	722708.0751
PI (42006)	908+84.88	273121.7684	722591.3124
CC(42008)		273466.0211	722694.9652
PT (42007)	909+93.13	273189.9936	722496.4486

Radius:	340.00
Delta:	37°55'59.3678" Right
Degree of Curvature(Arc):	16°51'06.1195"
Length:	225.10
Tangent:	116.85
Chord:	221.01
Middle Ordinate:	18.46
External:	19.52
Tangent Direction:	S 87°47'24.7440" W
Radial Direction:	N 2°12'35.2561" W
Chord Direction:	N 73°14'35.5721" W
Radial Direction:	N 35°43'24.1117" E
Tangent Direction:	N 54°16'35.8882" W

CIRCULAR CURVE NO. (5)

PC (44001)	1100+15.85	273019.9753	722473.9510
PI (44002)	1101+02.68	272933.3289	722479.5008
CC(44004)		273014.5421	722389.1248
PT (44003)	1101+51.18	272929.6197	722392.7561

Radius:	85.00
Delta:	91°12'59.0099" Right
Degree of Curvature(Arc):	67°24'24.4779"
Length:	135.32
Tangent:	86.82
Chord:	121.48
Middle Ordinate:	25.54
External:	36.50
Tangent Direction:	S 3°39'53.4552" E
Radial Direction:	S 86°20'06.5449" W
Chord Direction:	S 41°56'36.0498" W
Radial Direction:	N 2°26'54.4454" W
Tangent Direction:	S 87°33'05.5546" W



HORIZONTAL / VERTICAL CONTROL DATA

POINT NO.	STATION	OFFSET	NORTHING	EASTING	ELEV.
93	821+38.08	-38.60	273014.4830	722707.1290	20.48
94	817+34.51	-32.63	273001.5260	723103.7710	21.94
95	812+92.72	-41.94	272906.4640	723532.4760	24.69
96	808+84.61	-39.35	272823.0220	723931.9670	24.29
97			272730.4950	724328.9740	22.89
98			272806.6960	724610.6200	23.50
99	705+98.21	25.89	272885.1090	724238.3320	23.12
100B	709+90.63	39.38	272980.9760	723857.5550	23.52
101B	900+68.96	29.26	273080.2820	723405.6890	24.25
102B	904+93.21	12.33	273140.8560	722983.6100	25.03
103B	723+17.22	53.05	273132.9010	722533.2300	20.39
402B	910+50.21	26.90	273245.1620	722465.8170	17.79

*NEGATIVE OFFSET DENOTES LEFT OF THE BASELINE

CONSTRUCTION ALIGNMENT CONTROL

POINT NO.	STATION	OFFSET	NORTHING	EASTING
40000	705+00.00	0.00	272839.1093	724328.8799
40001	710+00.00	0.00	272944.4493	723840.1023
41000	805+00.00	0.00	272780.4560	724316.2391
41001	810+00.00	0.00	272885.7959	723827.4615
42000	900+00.00	0.00	273037.1490	723466.9337
44000	1100+00.00	0.00	273035.7968	722472.9376

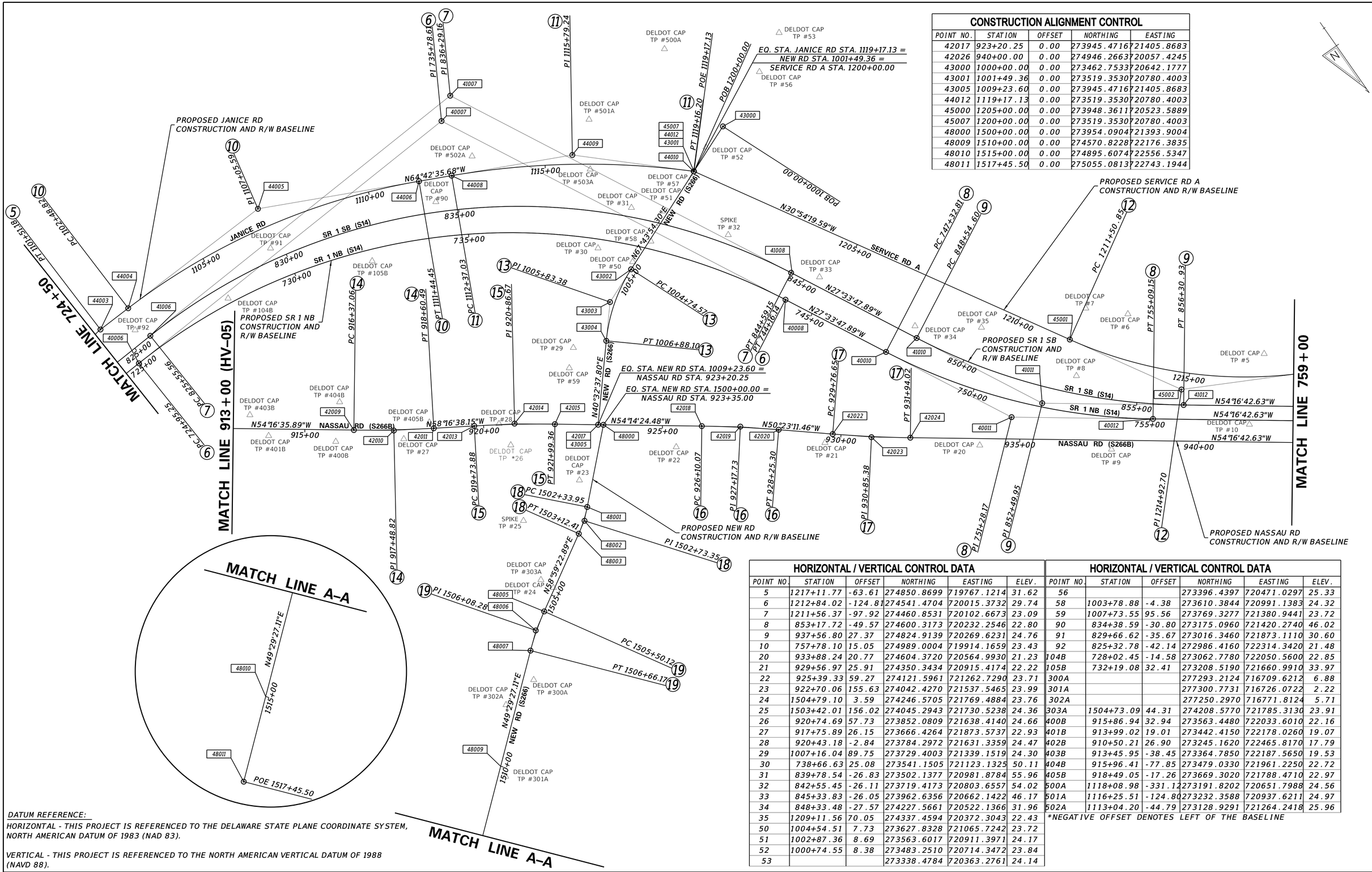
DATUM REFERENCE:

HORIZONTAL - THIS PROJECT IS REFERENCED TO THE DELAWARE STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM OF 1983 (NAD 83).

VERTICAL - THIS PROJECT IS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

11-JUN-2024
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ADDENDA / REVISIONS		SCALE 0 120 240 360 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	HORIZONTAL AND VERTICAL CONTROL	SECTION PD
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SHEET NO. 27
					CHECKED BY: B. BEHRENS		



CONSTRUCTION ALIGNMENT CONTROL

POINT NO.	STATION	OFFSET	NORTHING	EASTING
42017	923+20.25	0.00	273945.4716	721405.8683
42026	940+00.00	0.00	274946.2663	720057.4245
43000	1000+00.00	0.00	273462.7533	720642.1777
43001	1001+49.36	0.00	273519.3530	720780.4003
43005	1009+23.60	0.00	273945.4716	721405.8683
44012	1119+17.13	0.00	273519.3530	720780.4003
45000	1205+00.00	0.00	273948.3611	720523.5889
45007	1200+00.00	0.00	273519.3530	720780.4003
48000	1500+00.00	0.00	273954.0904	721393.9004
48009	1510+00.00	0.00	274570.8228	722176.3835
48010	1515+00.00	0.00	274895.6074	722556.5347
48011	1517+45.50	0.00	275055.0813	722743.1944

HORIZONTAL / VERTICAL CONTROL DATA

POINT NO.	STATION	OFFSET	NORTHING	EASTING	ELEV.
5	1217+11.77	-63.61	274850.8699	719767.1214	31.62
6	1212+84.02	-124.81	274541.4704	720015.3732	29.74
7	1211+56.37	-97.92	274460.8531	720102.6673	23.09
8	853+17.72	-49.57	274600.3173	720232.2546	22.80
9	937+56.80	27.37	274824.9139	720269.6231	24.76
10	757+78.10	15.05	274989.0004	719914.1659	23.43
20	933+88.24	20.77	274604.3720	720564.9930	21.23
21	929+56.97	25.91	274350.3434	720915.4174	22.22
22	925+39.33	59.27	274121.5961	721262.7290	23.71
23	922+70.06	155.63	274042.4270	721537.5465	23.99
24	1504+79.10	3.59	274246.5705	721769.4884	23.76
25	1503+42.01	156.02	274045.2943	721730.5238	24.36
26	920+74.69	57.73	273852.0809	721638.4140	24.66
27	917+75.89	26.15	273666.4264	721873.5737	22.93
28	920+43.18	-2.84	273784.2972	721631.3359	24.47
29	1007+16.04	89.75	273729.4003	721339.1519	24.30
30	738+66.63	25.08	273541.1505	721123.1325	50.11
31	839+78.54	-26.83	273502.1377	720981.8784	55.96
32	842+55.45	-26.11	273719.4173	720803.6557	54.02
33	845+33.83	-26.05	273962.6356	720662.1422	46.17
34	848+33.48	-27.57	274227.5661	720522.1366	31.96
35	1209+11.56	70.05	274337.4594	720372.3043	22.43
50	1004+54.51	7.73	273627.8328	721065.7242	23.72
51	1002+87.36	8.69	273563.6017	720911.3971	24.17
52	1000+74.55	8.38	273483.2510	720714.3472	23.84
53			273338.4784	720363.2761	24.14

HORIZONTAL / VERTICAL CONTROL DATA

POINT NO.	STATION	OFFSET	NORTHING	EASTING	ELEV.
56			273396.4397	720471.0297	25.33
58	1003+78.88	-4.38	273610.3844	720991.1383	24.32
59	1007+73.55	95.56	273769.3277	721380.9441	23.72
90	834+38.59	-30.80	273175.0960	721420.2740	46.02
91	829+66.62	-35.67	273016.3460	721873.1110	30.60
92	825+32.78	-42.14	272986.4160	722314.3420	21.48
104B	728+02.45	-14.58	273062.7780	722050.5600	22.85
105B	732+19.08	32.41	273208.5190	721660.9910	33.97
300A			277293.2124	716709.6212	6.88
301A			277300.7731	716726.0722	2.22
302A			277250.2970	716771.8124	5.71
303A	1504+73.09	44.31	274208.5770	721785.3130	23.91
400B	915+86.94	32.94	273563.4480	722033.6010	22.16
401B	913+99.02	19.01	273442.4150	722178.0260	19.07
402B	910+50.21	26.90	273245.1620	722465.8170	17.79
403B	913+45.95	-38.45	273364.7850	722187.5650	19.53
404B	915+96.41	-77.85	273479.0330	721961.2250	22.72
405B	918+49.05	-17.26	273669.3020	721788.4710	22.97
500A	1118+08.98	-331.12	273191.8202	720651.7988	24.56
501A	1116+25.51	-124.80	273232.3588	720937.6211	24.97
502A	1113+04.20	-44.79	273128.9291	721264.2418	25.96

*NEGATIVE OFFSET DENOTES LEFT OF THE BASELINE

DATUM REFERENCE:

HORIZONTAL - THIS PROJECT IS REFERENCED TO THE DELAWARE STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM OF 1983 (NAD 83).

VERTICAL - THIS PROJECT IS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

ADDENDA / REVISIONS

SCALE 0 120 240 360 FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

HORIZONTAL AND VERTICAL CONTROL

SECTION	
PD	
SHEET NO.	
28	

11-JUN-2024
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CIRCULAR CURVE NO. ⑥

PC (40006)	724+95.25	273068.5786	722358.9626
PI (40007)	735+78.61	272999.3299	721277.8155
CC(40009)		274730.1737	722252.5357
PT (40008)	744+16.14	273959.7310	720776.5130

Radius:	1665.00
Delta:	66°06'05.5645" Right
Degree of Curvature(Arc):	3°26'28.2766"
Length:	1920.89
Tangent:	1083.36
Chord:	1816.12
Middle Ordinate:	269.42
External:	321.43
Tangent Direction:	S 86°20'06.5449" W
Radial Direction:	N 3°39'53.4553" W
Chord Direction:	N 60°36'50.6730" W
Radial Direction:	N 62°26'12.1093" E
Tangent Direction:	N 27°33'47.8908" W

CIRCULAR CURVE NO. ⑦

PC (41006)	825+55.56	273023.9958	722288.6936
PI (41007)	836+29.16	272955.3710	721217.2865
CC(41009)		274670.6216	722183.2254
PT (41008)	844+59.15	273907.1198	720720.5002

Radius:	1650.00
Delta:	66°06'05.5645" Right
Degree of Curvature(Arc):	3°28'20.8974"
Length:	1903.59
Tangent:	1073.60
Chord:	1799.76
Middle Ordinate:	266.99
External:	318.53
Tangent Direction:	S 86°20'06.5449" W
Radial Direction:	N 3°39'53.4553" W
Chord Direction:	N 60°36'50.6730" W
Radial Direction:	N 62°26'12.1093" E
Tangent Direction:	N 27°33'47.8908" W

CIRCULAR CURVE NO. ⑧

PC (40010)	747+32.81	274240.4593	720629.9806
PI (40011)	751+28.17	274590.9435	720447.0376
CC(40013)		273470.0166	719153.9579
PT (40012)	755+09.15	274821.7712	720126.0611

Radius:	1665.00
Delta:	26°42'54.7439" Left
Degree of Curvature(Arc):	3°26'28.2766"
Length:	776.34
Tangent:	395.36
Chord:	769.32
Middle Ordinate:	45.04
External:	46.30
Tangent Direction:	N 27°33'47.8908" W
Radial Direction:	N 62°26'12.1093" E
Chord Direction:	N 40°55'15.2628" W
Radial Direction:	N 35°43'17.3654" E
Tangent Direction:	N 54°16'42.6347" W

CIRCULAR CURVE NO. ⑨

PC (41010)	848+54.60	274257.6865	720537.5142
PI (41011)	852+49.95	274608.1707	720354.5712
CC(41013)		273487.2438	719061.4915
PT (41012)	856+30.93	274838.9984	720033.5947

Radius:	1665.00
Delta:	26°42'54.7439" Left
Degree of Curvature(Arc):	3°26'28.2766"
Length:	776.34
Tangent:	395.36
Chord:	769.32
Middle Ordinate:	45.04
External:	46.30
Tangent Direction:	N 27°33'47.8908" W
Radial Direction:	N 62°26'12.1093" E
Chord Direction:	N 40°55'15.2628" W
Radial Direction:	N 35°43'17.3654" E
Tangent Direction:	N 54°16'42.6347" W

CIRCULAR CURVE NO. ⑩

PC (44004)	1102+48.82	272925.4485	722295.2059
PI (44005)	1107+05.59	272905.9348	721838.8470
CC(44007)		274773.7596	722216.1728
PT (44006)	1111+44.45	273101.0701	721425.8500

Radius:	1850.00
Delta:	27°44'18.7684" Right
Degree of Curvature(Arc):	3°05'49.4490"
Length:	895.64
Tangent:	456.78
Chord:	886.92
Middle Ordinate:	53.94
External:	55.56
Tangent Direction:	S 87°33'05.5546" W
Radial Direction:	N 2°26'54.4454" W
Chord Direction:	N 78°34'45.0611" W
Radial Direction:	N 25°17'24.3230" E
Tangent Direction:	N 64°42'35.6768" W

CIRCULAR CURVE NO. ⑪

PC (44008)	1112+37.03	273140.6171	721342.1503
PI (44009)	1115+79.24	273286.8110	721032.7362
CC(44011)		275165.9276	722299.0816
PT (44010)	1119+16.20	273518.7207	720781.0863

Radius:	2240.00
Delta:	17°22'20.0996" Right
Degree of Curvature(Arc):	2°33'28.2502"
Length:	679.17
Tangent:	342.21
Chord:	676.58
Middle Ordinate:	25.69
External:	25.99
Tangent Direction:	N 64°42'35.6768" W
Radial Direction:	N 25°17'24.3230" E
Chord Direction:	N 56°01'25.6271" W
Radial Direction:	N 42°39'44.4226" E
Tangent Direction:	N 47°20'15.5772" W

CIRCULAR CURVE NO. ⑫

PC (45001)	1211+50.85	274506.8006	720189.2977
PI (45002)	1214+92.70	274800.1146	720013.7150
CC(45004)		273890.4534	719159.6783
PT (45003)	1218+16.91	274956.8652	719709.9198

Radius:	1200.00
Delta:	31°48'07.0975" Left
Degree of Curvature(Arc):	4°46'28.7338"
Length:	666.06
Tangent:	341.85
Chord:	657.54
Middle Ordinate:	45.92
External:	47.74
Tangent Direction:	N 30°54'19.5903" W
Radial Direction:	N 59°05'40.4096" E
Chord Direction:	N 46°48'23.1390" W
Radial Direction:	N 27°17'33.3121" E
Tangent Direction:	N 62°42'26.6878" W

CIRCULAR CURVE NO. ⑬

PC (43002)	1004+74.57	273642.5875	721081.3519
PI (43003)	1005+83.38	273683.8227	721182.0526
CC(43005)		274059.0264	720910.8274
PT (43004)	1006+88.10	273766.5131	721252.7864

Radius:	450.00
Delta:	27°11'16.5030" Left
Degree of Curvature(Arc):	12°43'56.6236"
Length:	213.53
Tangent:	108.82
Chord:	211.54
Middle Ordinate:	12.61
External:	12.97
Tangent Direction:	N 67°43'54.3015" E
Radial Direction:	S 22°16'05.6984" E
Chord Direction:	N 54°08'16.0501" E
Radial Direction:	S 49°27'22.2014" E
Tangent Direction:	N 40°32'37.7985" E

CIRCULAR CURVE NO. ⑭

PC (42009)	916+37.06	273565.9647	721973.6796
PI (42010)	917+48.82	273631.2206	721882.9444
CC(42012)		270968.0591	720105.2882
PT (42011)	918+60.49	273689.9872	721787.8776

Radius:	3200.00
Delta:	4°00'02.2660" Left
Degree of Curvature(Arc):	1°47'25.7752"
Length:	223.44
Tangent:	111.76
Chord:	223.39
Middle Ordinate:	1.95
External:	1.95
Tangent Direction:	N 54°16'35.8882" W
Radial Direction:	N 35°43'24.1117" E
Chord Direction:	N 56°16'37.0212" W
Radial Direction:	N 31°43'21.8459" E
Tangent Direction:	N 58°16'38.1542" W

CIRCULAR CURVE NO. ⑮

PC (42013)	919+73.88	273749.6087	721691.4277
PI (42014)	920+86.67	273808.9119	721595.4928
CC(42016)		276471.5368	723374.0172
PT (42015)	921+99.36	273874.8221	721503.9710

Radius:	3200.00
Delta:	4°02'13.6763" Right
Degree of Curvature(Arc):	1°47'25.7752"
Length:	225.48
Tangent:	112.78
Chord:	225.43
Middle Ordinate:	1.99
External:	1.99
Tangent Direction:	N 58°16'38.1542" W
Radial Direction:	N 31°43'21.8459" E
Chord Direction:	N 56°15'31.3161" W
Radial Direction:	N 35°45'35.5220" E
Tangent Direction:	N 54°14'24.4779" W

CIRCULAR CURVE NO. ⑯

PC (42018)	926+10.07	274114.8392	721170.6873
PI (42019)	927+17.73	274177.7510	721083.3291
CC(42021)		276711.5540	723040.7334
PT (42020)	928+25.30	274246.3917	721000.3965

Radius:	3200.00
Delta:	3°51'13.0173" Right
Degree of Curvature(Arc):	1°47'25.7752"
Length:	215.23
Tangent:	107.65
Chord:	215.19
Middle Ordinate:	1.81
External:	1.81
Tangent Direction:	N 54°14'24.4779" W
Radial Direction:	N 35°45'35.5220" E
Chord Direction:	N 52°18'47.9692" W
Radial Direction:	N 39°36'48.5395" E
Tangent Direction:	N 50°23'11.4606" W

CIRCULAR CURVE NO. ⑰

PC (42022)	929+76.65	274342.8961	720883.7985
PI (42023)	930+85.38	274412.2209	720800.0394
CC(42025)		271877.7338	718843.4616
PT (42024)	931+94.02	274475.7005	720711.7680

Radius:	3200.00
Delta:	3°53'31.1741" Left
Degree of Curvature(Arc):	1°47'25.7752"
Length:	217.37
Tangent:	108.73
Chord:	217.33
Middle Ordinate:	1.85
External:	1.85
Tangent Direction:	N 50°23'11.4606" W
Radial Direction:	N 39°36'48.5395" E
Chord Direction:	N 52°19'57.0475" W
Radial Direction:	N 35°43'17.3654" E
Tangent Direction:	N 54°16'42.6347" W

CIRCULAR CURVE NO. ⑱

PC (48001)	1502+33.95	274116.1797	721562.6018
PI (48002)	1502+73.35	274143.4751	721591.0106
CC(48004)		273863.7959	721805.0938
PT (48003)	1503+12.41	274163.7720	721624.7765

Radius:	350.00
Delta:	12°50'40.5235" Right
Degree of Curvature(Arc):	16°22'12.8018"
Length:	78.46
Tangent:	39.40
Chord:	78.30
Middle Ordinate:	2.20
External:	2.21
Tangent Direction:	N 46°08'42.3700" E
Radial Direction:	S 43°51'17.6300" E
Chord Direction:	N 52°34'02.6317" E
Radial Direction:	S 31°00'37.1065" E
Tangent Direction:	N 58°59'22.8936" E

CIRCULAR CURVE NO. ⑲

PC (48005)	1505+50.12	274286.2348	721828.5058
PI (48006)	1506+08.28	274316.1975	721878.3518
CC(48008)		274886.1870	721467.8712
PT (48007)	1506+66.17	274353.9753	721922.5697

Radius:	700.00
Delta:	9°29'55.7821" Left
Degree of Curvature(Arc):	8°11'06.4009"
Length:	116.05
Tangent:	58.16
Chord:	115.92
Middle Ordinate:	2.40
External:	2.41
Tangent Direction:	N 58°59'22.8936" E
Radial Direction:	S 31°00'37.1065" E
Chord Direction:	N 54°14'25.0026" E
Radial Direction:	S 40°30'32.8884" E
Tangent Direction:	N 49°29'27.1115" E

DATUM REFERENCE:

HORIZONTAL - THIS PROJECT IS REFERENCED TO THE DELAWARE STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM OF 1983 (NAD 83).

VERTICAL - THIS PROJECT IS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

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ADDENDA / REVISIONS					

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

HORIZONTAL AND VERTICAL CONTROL

SECTION
PD
SHEET NO.
29

HORIZONTAL / VERTICAL CONTROL DATA

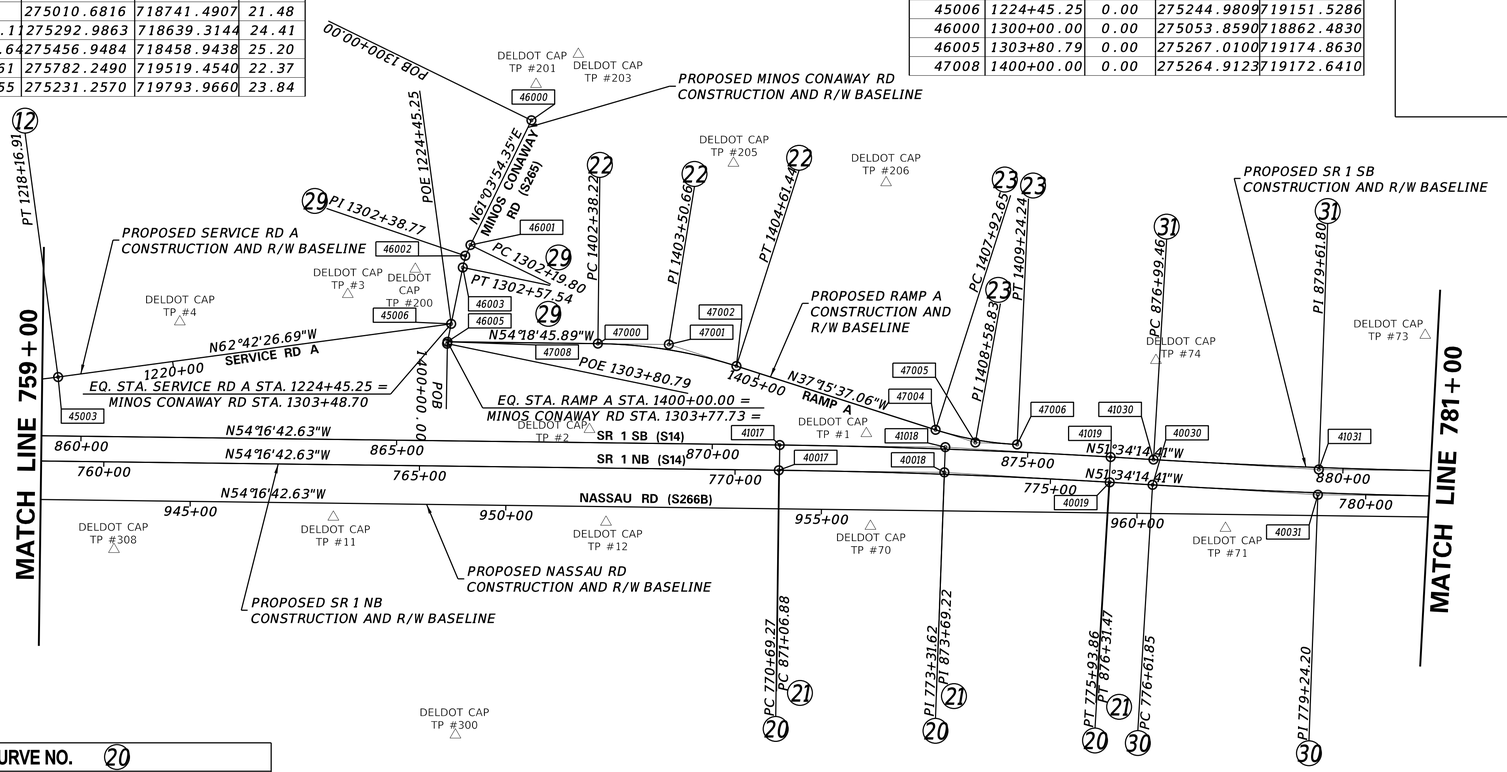
POINT NO.	STATION	OFFSET	NORTHING	EASTING	ELEV.
1	868+03.71	-20.91	275764.5305	718712.4077	23.11
2	872+42.39	-19.96	275507.6445	719068.0041	24.65
3	1222+89.23	-68.15	275112.8749	719258.9247	32.19
4	1220+19.75	-61.00	274995.6668	719501.6868	31.85
11	947+27.05	23.98	275388.6310	719479.9348	24.32
12	951+58.94	26.54	275642.8700	719130.7963	24.09
70	955+77.91	27.80	275888.5100	718791.3870	24.04
71	961+40.37	23.91	276213.7360	718332.4700	22.08
73			276144.8520	717897.9240	23.44
74			275932.7740	718270.2320	23.50
200	1302+75.23	73.20	275141.3161	719148.3597	25.42
201			275011.3246	718823.8385	22.86
203			275010.6816	718741.4907	21.48
205	1404+00.09	-309.11	275292.9863	718639.3144	24.41
206	1406+16.96	-336.64	275456.9484	718458.9438	25.20
300	949+24.78	366.61	275782.2490	719519.4540	22.37
308	943+80.22	79.55	275231.2570	719793.9660	23.84

CONSTRUCTION ALIGNMENT CONTROL

POINT NO.	STATION	OFFSET	NORTHING	EASTING
40014	760+00.00	0.00	275108.3544	719727.5538
40015	765+00.00	0.00	275400.2773	719321.6215
40016	770+00.00	0.00	275692.2002	718915.6892
41014	860+00.00	0.00	275054.4759	719733.9631
41015	865+00.00	0.00	275346.3988	719328.0308
41016	870+00.00	0.00	275638.3217	718922.0985
42027	945+00.00	0.00	275238.1892	719651.4922
42028	950+00.00	0.00	275530.1121	719245.5599
42029	955+00.00	0.00	275822.0350	718839.6276
42030	960+00.00	0.00	276113.9579	718433.6953
45005	1220+00.00	0.00	275040.8189	719547.2108
45006	1224+45.25	0.00	275244.9809	719151.5286
46000	1300+00.00	0.00	275053.8590	718862.4830
46005	1303+80.79	0.00	275267.0100	719174.8630
47008	1400+00.00	0.00	275264.9123	719172.6410

CIRCULAR CURVE NO. (31)

PC (41030)	876+99.46	276059.2079	718363.5663
PI (41031)	879+61.80	276222.2687	718158.0511
CC(41033)		267363.7411	711464.3738
PT (41032)	882+24.05	276375.4382	717945.0618
Radius:			11100.00
Delta:			2°42'28.2224" Left
Degree of Curvature(Arc):			0°30'58.2415"
Length:			524.59
Tangent:			262.35
Chord:			524.55
Middle Ordinate:			3.10
External:			3.10
Tangent Direction:			N 51°34'14.4123" W
Radial Direction:			N 38°25'45.5878" E
Chord Direction:			N 52°55'28.5235" W
Radial Direction:			N 35°43'17.3654" E
Tangent Direction:			N 54°16'42.6347" W



CIRCULAR CURVE NO. (30)

PC (40030)	776+61.85	276091.1305	718387.6877
PI (40031)	779+24.20	276254.1913	718182.1724
CC(40033)		267395.6638	711488.4952
PT (40032)	781+86.44	276407.3608	717969.1832
Radius:			11100.00
Delta:			2°42'28.2224" Left
Degree of Curvature(Arc):			0°30'58.2415"
Length:			524.59
Tangent:			262.35
Chord:			524.55
Middle Ordinate:			3.10
External:			3.10
Tangent Direction:			N 51°34'14.4123" W
Radial Direction:			N 38°25'45.5878" E
Chord Direction:			N 52°55'28.5235" W
Radial Direction:			N 35°43'17.3654" E
Tangent Direction:			N 54°16'42.6347" W

CIRCULAR CURVE NO. (29)

PC (46001)	1302+19.80	275160.2009	719054.8439
PI (46002)	1302+38.77	275169.3797	719071.4474
CC(46004)		275291.4764	718982.2715
PT (46003)	1302+57.54	275182.4033	719085.2427
Radius:			150.00
Delta:			14°25'00.4446" Left
Degree of Curvature(Arc):			38°11'49.8709"
Length:			37.74
Tangent:			18.97
Chord:			37.64
Middle Ordinate:			1.19
External:			1.19
Tangent Direction:			N 61°03'54.3534" E
Radial Direction:			S 28°56'05.6466" E
Chord Direction:			N 53°51'24.1311" E
Radial Direction:			S 43°21'06.0912" E
Tangent Direction:			N 46°38'53.9088" E

CIRCULAR CURVE NO. (20)

PC (40017)	770+69.27	275732.6429	718859.4517
PI (40018)	773+31.62	275885.8124	718646.4624
CC(40020)		284744.3400	725340.1397
PT (40019)	775+93.86	276048.8732	718440.9472
Radius:			11100.00
Delta:			2°42'28.2224" Right
Degree of Curvature(Arc):			0°30'58.2415"
Length:			524.59
Tangent:			262.35
Chord:			524.55
Middle Ordinate:			3.10
External:			3.10
Tangent Direction:			N 54°16'42.6347" W
Radial Direction:			N 35°43'17.3654" E
Chord Direction:			N 52°55'28.5235" W
Radial Direction:			N 38°25'45.5878" E
Tangent Direction:			N 51°34'14.4123" W

CIRCULAR CURVE NO. (21)

PC (41017)	871+06.88	275700.7203	718835.3304
PI (41018)	873+69.22	275853.8898	718622.3411
CC(41020)		284712.4173	725316.0184
PT (41019)	876+31.47	276016.9505	718416.8258
Radius:			11100.00
Delta:			2°42'28.2224" Right
Degree of Curvature(Arc):			0°30'58.2415"
Length:			524.59
Tangent:			262.35
Chord:			524.55
Middle Ordinate:			3.10
External:			3.10
Tangent Direction:			N 54°16'42.6347" W
Radial Direction:			N 35°43'17.3654" E
Chord Direction:			N 52°55'28.5235" W
Radial Direction:			N 38°25'45.5878" E
Tangent Direction:			N 51°34'14.4123" W

CIRCULAR CURVE NO. (22)

PC (47000)	1402+38.22	275403.8826	718979.1525
PI (47001)	1403+50.66	275469.4752	718887.8278
CC(47003)		276013.0426	719416.6729
PT (47002)	1404+61.44	275558.9649	718819.7529
Radius:			750.00
Delta:			17°03'08.8348" Right
Degree of Curvature(Arc):			7°38'21.9741"
Length:			223.22
Tangent:			112.44
Chord:			222.39
Middle Ordinate:			8.29
External:			8.38
Tangent Direction:			N 54°18'45.8942" W
Radial Direction:			N 35°41'14.1057" E
Chord Direction:			N 45°47'11.4770" W
Radial Direction:			N 52°44'22.9405" E
Tangent Direction:			N 37°15'37.0596" W

CIRCULAR CURVE NO. (23)

PC (47004)	1407+92.65	275822.5717	718619.2269
PI (47005)	1408+58.83	275875.2417	718579.1608
CC(47007)		275519.8532	718221.2803
PT (47006)	1409+24.24	275915.6749	718526.7720
Radius:			500.00
Delta:			15°04'44.6519" Left
Degree of Curvature(Arc):			11°27'32.9612"
Length:			131.59
Tangent:			66.18
Chord:			131.21
Middle Ordinate:			4.32
External:			4.36
Tangent Direction:			N 37°15'37.0596" W
Radial Direction:			N 52°44'22.9405" E
Chord Direction:			N 44°47'59.3854" W
Radial Direction:			N 37°39'38.2887" E
Tangent Direction:			N 52°20'21.7114" W

DATUM REFERENCE:

HORIZONTAL - THIS PROJECT IS REFERENCED TO THE DELAWARE STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM OF 1983 (NAD 83).

VERTICAL - THIS PROJECT IS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

ADDENDA / REVISIONS

SCALE 0 120 240 360 FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

HORIZONTAL AND VERTICAL CONTROL

SECTION	
PD	
SHEET NO.	
30	

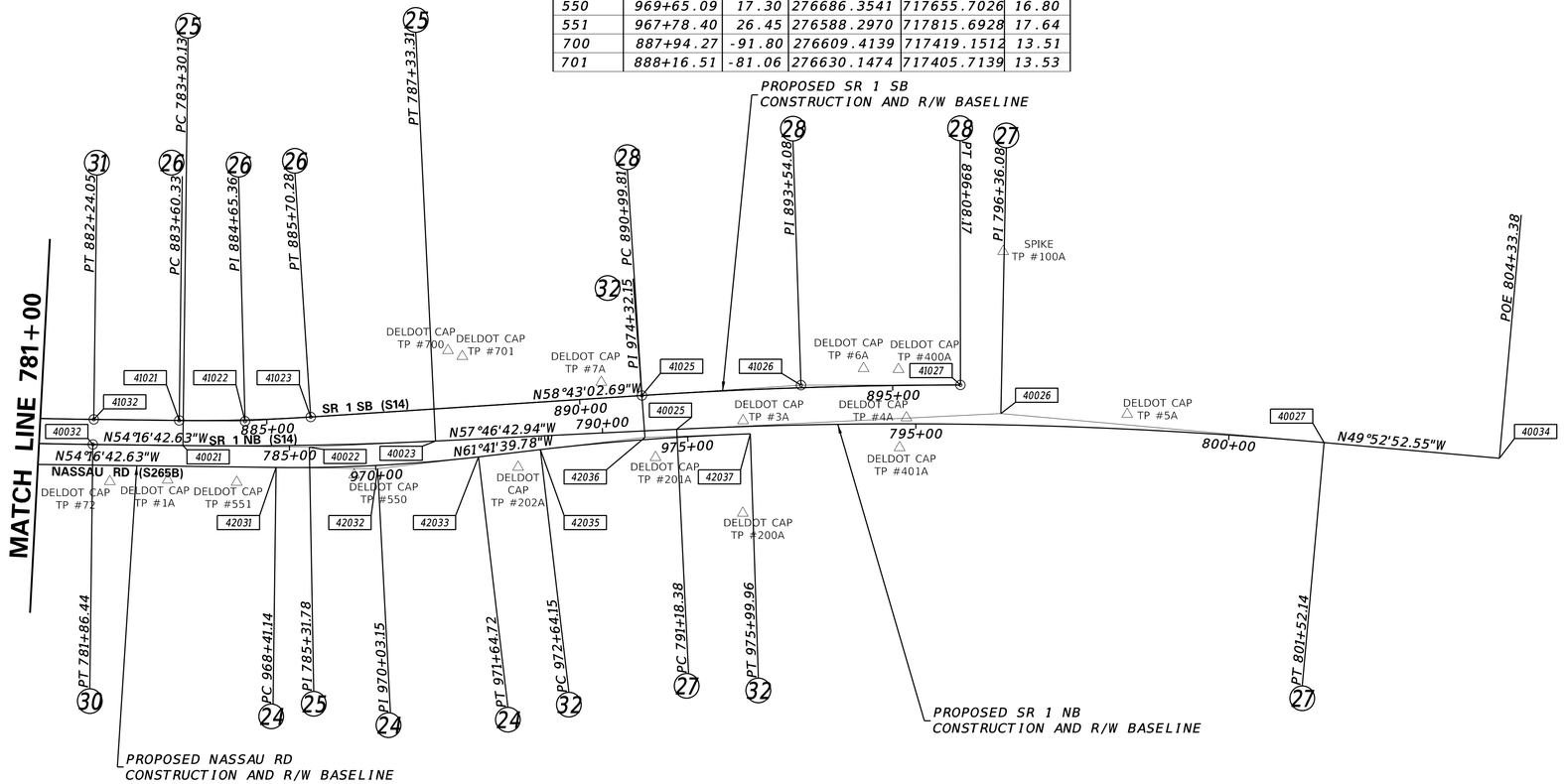
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HORIZONTAL / VERTICAL CONTROL DATA

POINT NO.	STATION	OFFSET	NORTHING	EASTING	ELEV.
1A	966+68.38	24.16	276522.2209	717903.9397	16.91
3A	792+25.50	-22.05	276971.3155	717097.7155	9.58
4A	794+85.30	-19.49	277116.8078	716881.6412	5.52
5A	798+36.42	-28.71	277314.3904	716589.9775	9.50
6A	894+52.92	-27.26	277013.1037	716892.5038	7.53
7A	890+35.01	-25.42	276791.1588	717247.8745	13.18
72	965+76.26	27.82	276471.4040	717980.8720	16.80
100A	896+73.97	-212.01	276987.9614	716602.9333	6.73
200A	792+18.31	125.33	277091.8947	717182.7491	2.05
201A	790+82.72	28.94	276939.1177	717245.8000	11.39
202A	788+62.96	30.33	276826.2150	717434.2670	15.44
400A	895+08.39	-24.55	277046.3899	716847.8177	6.88
401A	794+73.84	28.10	277149.6677	716917.9158	4.17
550	969+65.09	17.30	276686.3541	717655.7026	16.80
551	967+78.40	26.45	276588.2970	717815.6928	17.64
700	887+94.27	-91.80	276609.4139	717419.1512	13.51
701	888+16.51	-81.06	276630.1474	717405.7139	13.53

CONSTRUCTION ALIGNMENT CONTROL

POINT NO.	STATION	OFFSET	NORTHING	EASTING
40034	804+33.38	0.00	277712.4599	716143.7717



CIRCULAR CURVE NO. 32

PC(42035)	972+64.15	276823.6149	717389.0868
PI(42036)	974+32.15	276903.2781	717241.1709
CC(42038)		280345.3384	719285.7849
PT(42037)	975+99.96	276995.0641	717100.4560
Radius:			4000.0000
Delta:			4°48'36.4788" Right
Degree of Curvature:			1°25'56.6202"
Length:			335.8106
Tangent:			168.0040
Chord:			335.7120
Middle Ordinate:			3.5235
External:			3.5266
Tangent Direction:			N 61°41'39.7826" W
Radial Direction:			N 28°18'20.2174" E
Chord Direction:			N 59°17'21.5432" W
Radial Direction:			N 33°06'56.6962" E
Tangent Direction:			N 56°53'03.3038" W

CIRCULAR CURVE NO. 28

PC (41025)	890+99.81	276845.8220	717206.8531
PI (41026)	893+54.08	276977.8540	716989.5499
CC(41028)		283682.7554	721360.9284
PT (41027)	896+08.17	277123.4190	716781.0697
Radius:			8000.00
Delta:			3°38'27.3188" Right
Degree of Curvature(Arc):			0°42'58.3101"
Length:			508.37
Tangent:			254.27
Chord:			508.28
Middle Ordinate:			4.04
External:			4.04
Tangent Direction:			N 58°43'02.6868" W
Radial Direction:			N 31°16'57.3131" E
Chord Direction:			N 56°53'49.0273" W
Radial Direction:			N 34°55'24.6321" E
Tangent Direction:			N 55°04'35.3680" W

CIRCULAR CURVE NO. 27

PC(40025)	791+18.38	276921.8224	717192.4488
PI(40026)	796+36.08	277197.8556	716754.4786
CC(40028)		283266.7776	721191.3916
PT(40027)	801+52.14	277531.4472	716358.5886
Radius:			7500.0000
Delta:			7°53'50.3910" Right
Degree of Curvature:			0°45'50.1974"
Length:			1033.7582
Tangent:			517.6990
Chord:			1032.9401
Middle Ordinate:			17.8039
External:			17.8462
Tangent Direction:			N 57°46'42.9416" W
Radial Direction:			N 32°13'17.0584" E
Chord Direction:			N 53°49'47.7461" W
Radial Direction:			N 40°07'07.4494" E
Tangent Direction:			N 49°52'52.5506" W

CIRCULAR CURVE NO. 24

PC (42031)	968+41.14	276605.0524	717750.8056
PI (42032)	970+03.15	276699.6444	717619.2710
CC(42034)		274575.3909	716291.1912
PT (42033)	971+64.72	276776.4681	717476.6275
Radius:			2500.00
Delta:			7°24'57.15" Left
Degree of Curvature:			2°17'30.59"
Length:			323.58
Tangent:			162.02
Chord:			323.35
Middle Ordinate:			5.23
External:			5.24
Tangent Direction:			N 54°16'42.63" W
Radial Direction:			N 35°43'17.37" E
Chord Direction:			N 57°59'11.21" W
Radial Direction:			N 28°18'20.22" E
Tangent Direction:			N 61°41'39.78" W

CIRCULAR CURVE NO. 25

PC (40021)	783+30.13	276491.2484	717852.5335
PI (40022)	785+31.78	276608.9827	717688.8185
CC(40024)		271132.9421	713999.1515
PT (40023)	787+33.31	276716.5027	717518.2211
Radius:			6600.00
Delta:			3°30'00.31" Left
Degree of Curvature:			0°52'05.22"
Length:			403.18
Tangent:			201.65
Chord:			403.12
Middle Ordinate:			3.08
External:			3.08
Tangent Direction:			N 54°16'42.63" W
Radial Direction:			N 35°43'17.37" E
Chord Direction:			N 56°01'42.79" W
Radial Direction:			N 32°13'17.06" E
Tangent Direction:			N 57°46'42.94" W

CIRCULAR CURVE NO. 26

PC (41021)	883+60.33	276455.0026	717834.4237
PI (41022)	884+65.36	276516.3234	717749.1543
CC(41024)		274254.8496	716252.2017
PT (41023)	885+70.28	276570.8608	717659.3947
Radius:			2710.00
Delta:			4°26'20.0521" Left
Degree of Curvature(Arc):			2°06'51.2475"
Length:			209.95
Tangent:			105.03
Chord:			209.90
Middle Ordinate:			2.03
External:			2.03
Tangent Direction:			N 54°16'42.6347" W
Radial Direction:			N 35°43'17.3654" E
Chord Direction:			N 56°29'52.6606" W
Radial Direction:			N 31°16'57.3131" E
Tangent Direction:			N 58°43'02.6868" W

DATUM REFERENCE:

HORIZONTAL - THIS PROJECT IS REFERENCED TO THE DELAWARE STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM OF 1983 (NAD 83).

VERTICAL - THIS PROJECT IS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

ADDENDA / REVISIONS

SCALE 0 120 240 360 FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	T201612501	
COUNTY	SUSSEX	
BRIDGE NO.	X	
DESIGNED BY: N. RIGOLINO		
CHECKED BY: B. BEHRENS		

HORIZONTAL AND VERTICAL CONTROL

SECTION PD

SHEET NO. 31

11-JUN-2024
13:55
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CURB SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
141	P.C.C. CURB AND GUTTER, TYPE 1-8	272'
142	P.C.C. CURB AND GUTTER, TYPE 1-4	218'
*144	P.C.C. CURB, TYPE 2	392'
145	P.C.C. CURB AND GUTTER, TYPE 1-4	215'
146	P.C.C. CURB AND GUTTER, TYPE 1-4	70'

* - CURB 144 TO BE PAID FOR UNDER
ITEM 702000 - TRIANGULAR CHANNELIZING ISLANDS

DRAINAGE INLET SCHEDULE

NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.
314	1701+27.84	*	72" X 24"	1	**	22.55'
315	1701+88.55	*	34" X 24"	4	**	21.00'
316	1704+47.48	*	34" X 24"	4	**	21.47'
***317	1702+51.01	*	34" X 24"	4	**	18.33'

* - MATCH FLOWLINE OF PROPOSED CURB AND GUTTER
** - MATCH PROPOSED CURBLINE
*** - DRAINAGE INLET 317 IS A DOGHOUSE INLET

DRAINAGE PIPE SCHEDULE

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INVERT EL.	DIS. EL.
324	15" RCP	IV	60'	0.0258	22.55'	21.00'
325	15" RCP	IV	60'	0.0387	21.00'	18.68'
326	15" RCP	IV	192'	0.0145	21.47'	18.68'
327	15" RCP	IV	14'	0.0250	18.68'	18.33'
328	15" RCP	IV	56'	0.0032	22.72'	22.54'

MANHOLE SCHEDULE

NO.	STATION	OFFSET	TYPE/SIZE	T.G. EL.	INVERT EL.
3	1702+51.61	20.93'	48" X 30"	26.21'	26.21'

TURF REINFORCEMENT MATTING

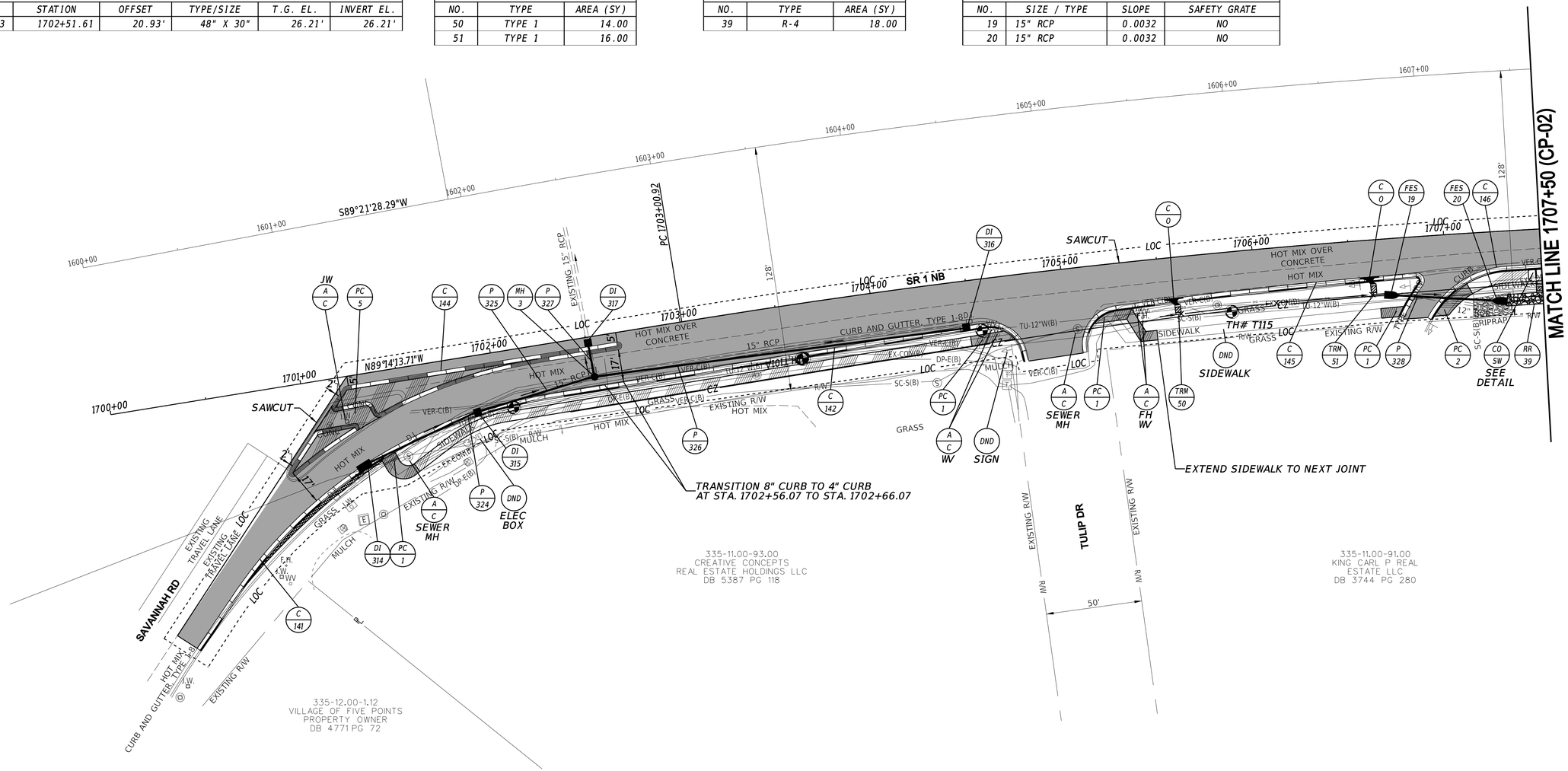
NO.	TYPE	AREA (SY)
50	TYPE 1	14.00
51	TYPE 1	16.00

RIPRAP SCHEDULE

NO.	TYPE	AREA (SY)
39	R-4	18.00

FLARED END SECTION SCHEDULE

NO.	SIZE / TYPE	SLOPE	SAFETY GRATE
19	15" RCP	0.0032	NO
20	15" RCP	0.0032	NO

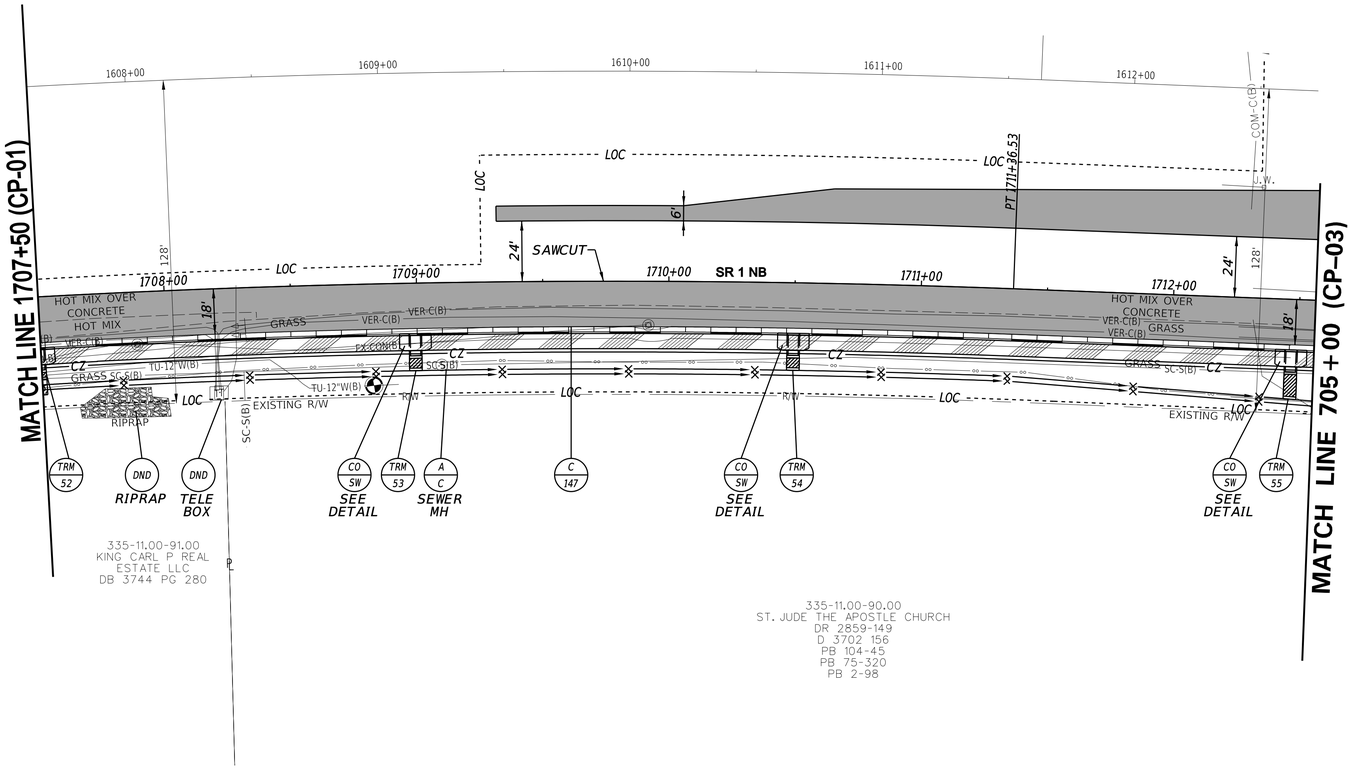


ADDENDA / REVISIONS	SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO.	X	CONSTRUCTION PLAN	CP-01
	0 30 60 90 FEET		T201612501	DESIGNED BY: N. RIGOLINO			SECTION PD
			COUNTY SUSSEX	CHECKED BY: B. BEHRENS			SHEET NO. 32

19-AUG-2024
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TURF REINFORCEMENT MATTING		
NO.	TYPE	AREA (SY)
52	TYPE 1	20.00
53	TYPE 1	30.00
54	TYPE 1	30.00
55	TYPE 1	55.00

CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
147	P.C.C. CURB AND GUTTER, TYPE 1-4	459'



ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY:	N. RIGOLINO
COUNTY	CHECKED BY:	B. BEHRENS
SUSSEX		

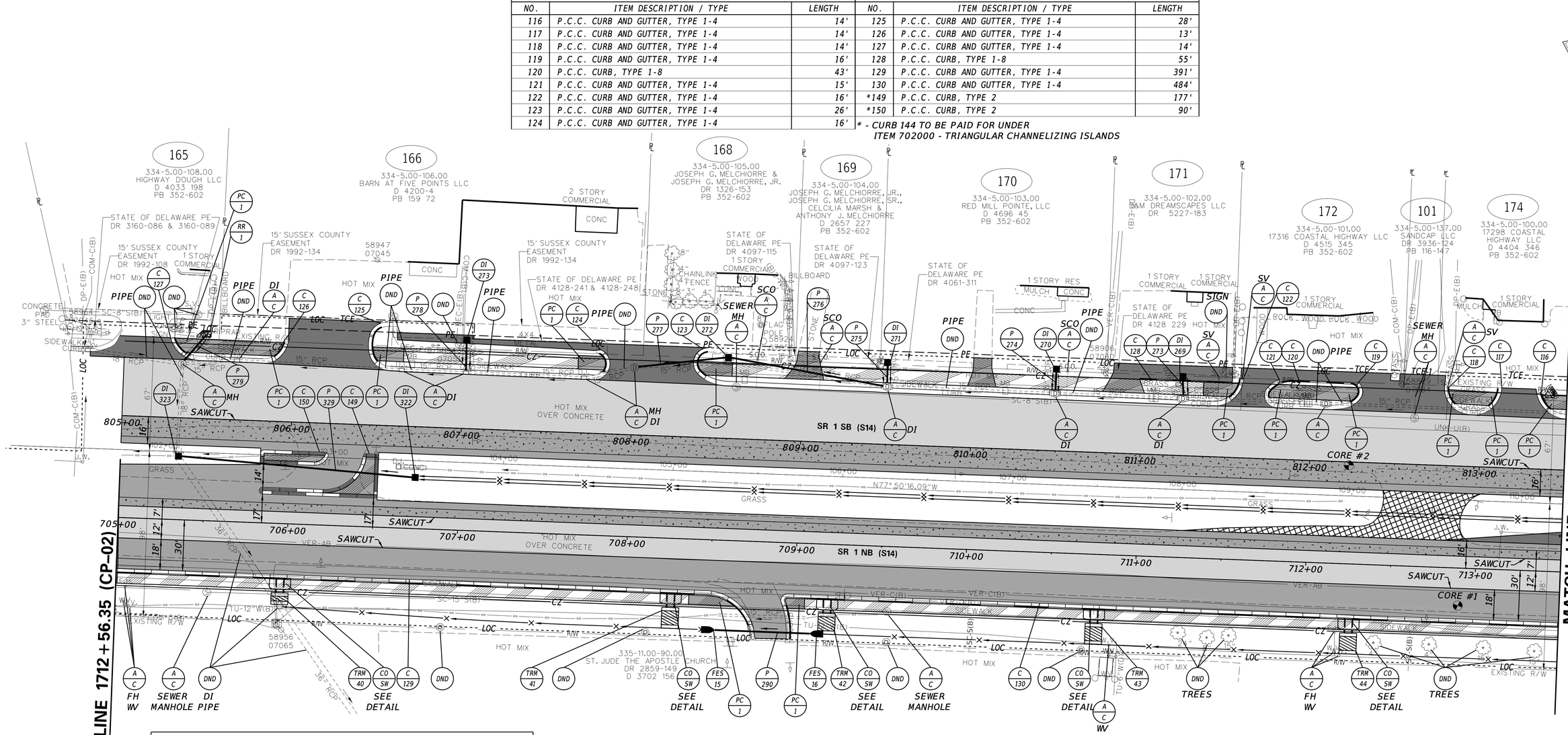
CONSTRUCTION PLAN

CP-02
SECTION
PD
SHEET NO.
33

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CURB SCHEDULE			CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH	NO.	ITEM DESCRIPTION / TYPE	LENGTH
116	P.C.C. CURB AND GUTTER, TYPE 1-4	14'	125	P.C.C. CURB AND GUTTER, TYPE 1-4	28'
117	P.C.C. CURB AND GUTTER, TYPE 1-4	14'	126	P.C.C. CURB AND GUTTER, TYPE 1-4	13'
118	P.C.C. CURB AND GUTTER, TYPE 1-4	14'	127	P.C.C. CURB AND GUTTER, TYPE 1-4	14'
119	P.C.C. CURB AND GUTTER, TYPE 1-4	16'	128	P.C.C. CURB, TYPE 1-8	55'
120	P.C.C. CURB, TYPE 1-8	43'	129	P.C.C. CURB AND GUTTER, TYPE 1-4	391'
121	P.C.C. CURB AND GUTTER, TYPE 1-4	15'	130	P.C.C. CURB AND GUTTER, TYPE 1-4	484'
122	P.C.C. CURB AND GUTTER, TYPE 1-4	16'	*149	P.C.C. CURB, TYPE 2	177'
123	P.C.C. CURB AND GUTTER, TYPE 1-4	26'	*150	P.C.C. CURB, TYPE 2	90'
124	P.C.C. CURB AND GUTTER, TYPE 1-4	16'			

* - CURB 144 TO BE PAID FOR UNDER ITEM 702000 - TRIANGULAR CHANNELIZING ISLANDS



ROADWAY CORE SCHEDULE			
NO.	STATION	OFFSET	DESCRIPTION
1	712+90.38	22.12	6.5" HMA / 5" CR
2	812+23.19	1.97	3.5" HMA / 10" PCC

TURF REINFORCEMENT MATTING		
NO.	TYPE	AREA (SY)
40	TYPE 1	8
41	TYPE 1	14
42	TYPE 1	14
43	TYPE 1	14
44	TYPE 1	14

FLARED END SECTION SCHEDULE			
NO.	SIZE / TYPE	SLOPE	SAFETY GRATE
15	15" RCP	0.0059	NO
16	15" RCP	0.0059	NO

RIPRAP SCHEDULE		
NO.	TYPE	AREA (SY)
1	R-4	4

DRAINAGE PIPE SCHEDULE						
NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INVERT EL.	DIS. EL.
273*	15" RCP	IV	10'	0.1090	21.15'	20.06'
274*	15" RCP	IV	10'	0.0550	20.32'	19.77'
275*	15" RCP	IV	10'	0.0680	20.07'	19.39'
276	15" RCP	IV	91'	0.0036	19.39'	19.06'
277*	15" RCP	IV	52'	0.0015	19.06'	18.98'
278*	15" RCP	IV	16'	0.0275	18.97'	18.53'
279*	15" RCP	IV	20'	0.0050	19.72'	19.62'
290	15" RCP	IV	56'	0.0059	23.11'	22.78'
329	18" RCP	IV	136'	0.0030	18.44'	18.03'

* - CONTRACTOR SHALL VERIFY AND MATCH EXISTING INVERT

DRAINAGE INLET SCHEDULE						
NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.
269	811+23.52	-47.87'	34" x 24"	2	24.15'	21.15'
270	810+48.96	-48.09'	34" x 24"	1	24.39'	20.32'
271	809+49.46	-48.28'	34" x 24"	2	24.06'	20.07'
272	808+55.70	-47.55'	48" x 30"	2	23.80'	19.06'
273	807+01.30	-52.17'	34" x 24"	1	22.86'	18.97'
322	806+73.95	29.86'	48" x 30"	2	21.82'	18.44'
323	805+34.14	22.60'	72" X 48"	2	21.90'	18.03'

ADDENDA / REVISIONS			

SCALE 0 30 60 90 FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

CONSTRUCTION PLAN

CP-03
SECTION: PD
SHEET NO.: 34

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RIGHT-OF-WAY MONUMENT SCHEDULE

NO.	TYPE	STATION	OFFSET	NORTHING	EASTING
1	CONCRETE	904+09.27	35.00	273154.3966	723070.9457
3	CONCRETE	906+41.36	35.00	273166.1322	722833.3023
59	CONCRETE	816+79.09	-50.00	272975.7201	723155.1754

CURB SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
1	P.C.C. CURB AND GUTTER, TYPE 1-8	418'
2	P.C.C. CURB AND GUTTER, TYPE 1-4	373'
3	P.C.C. CURB, TYPE 2	65'
4	P.C.C. CURB, TYPE 2	69'
114	P.C.C. CURB, TYPE 1-8	42'
131	P.C.C. CURB AND GUTTER, TYPE 1-4	397'

BARRIER SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
1*	CONCRETE ROADSIDE BARRIER, 42" TYPE 2	520'
2*	CONCRETE ROADSIDE BARRIER, 42" TYPE 2	519'
3*	CONCRETE ROADSIDE BARRIER, 42" TYPE 2	585'
4*	CONCRETE ROADSIDE BARRIER, 42" TYPE 2	587'
31	PERMANENT IMPACT ATTENUATOR, TYPE 5	EACH
34	CONCRETE ROADSIDE BARRIER, 42" TYPE 2	21'

* - SEE CONSTRUCTION DETAILS FOR ROADSIDE BARRIER AT INLET LOCATIONS

ROADWAY CORE SCHEDULE

NO.	STATION	OFFSET	DESCRIPTION
3	713+67.49	-10.52	9" HMA
4	813+53.55	-24.90	4.5" HMA / 4" CR

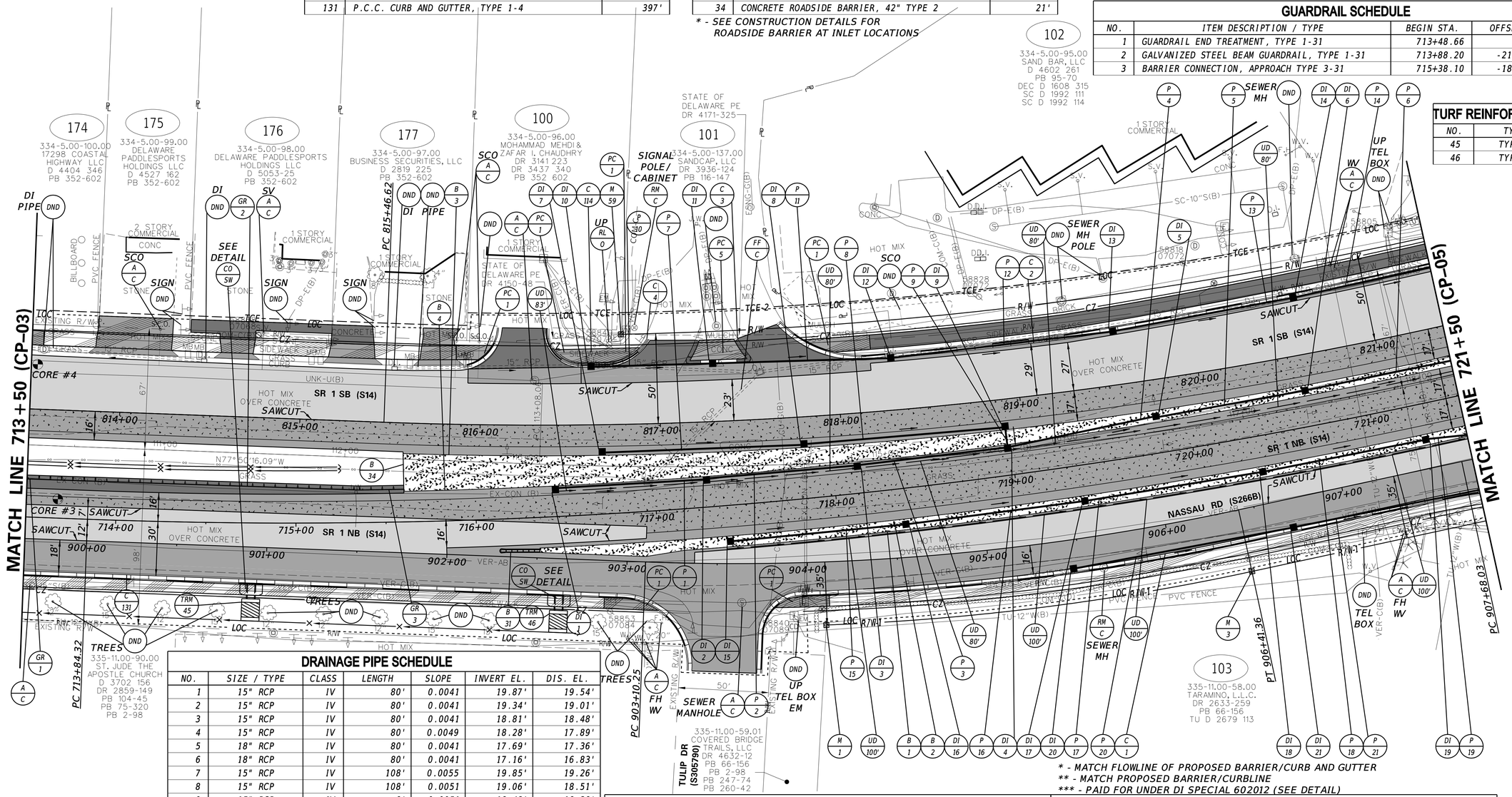
++ - AS PER STANDARD DETAIL

GUARDRAIL SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	BEGIN STA.	OFFSET	LENGTH
1	GUARDRAIL END TREATMENT, TYPE 1-31	713+48.66	++	50.00'
2	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	713+88.20	-21.11'	148.94'
3	BARRIER CONNECTION, APPROACH TYPE 3-31	715+38.10	-18.00'	22.00'

TURF REINFORCEMENT MATTING

NO.	TYPE	AREA (SY)
45	TYPE 1	14
46	TYPE 1	14



DRAINAGE PIPE SCHEDULE

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INVERT EL.	DIS. EL.
1	15" RCP	IV	80'	0.0041	19.87'	19.54'
2	15" RCP	IV	80'	0.0041	19.34'	19.01'
3	15" RCP	IV	80'	0.0041	18.81'	18.48'
4	15" RCP	IV	80'	0.0049	18.28'	17.89'
5	18" RCP	IV	80'	0.0041	17.69'	17.36'
6	18" RCP	IV	80'	0.0041	17.16'	16.83'
7	15" RCP	IV	108'	0.0055	19.85'	19.26'
8	15" RCP	IV	108'	0.0051	19.06'	18.51'
9	15" RCP	IV	8'	0.0051	18.42'	18.38'
10	15" RCP	IV	64'	0.0047	19.14'	18.84'
11	15" RCP	IV	96'	0.0032	18.64'	18.33'
12	15" RCP	IV	120'	0.0048	18.13'	17.55'
13	18" RCP	IV	96'	0.0049	17.35'	16.88'
14	18" RCP	IV	120'	0.0048	16.68'	16.10'
15	15" RCP	IV	94'	0.0047	21.16'	20.72'
16	15" RCP	IV	96'	0.0046	20.52'	20.08'
17	15" RCP	IV	96'	0.0047	19.88'	19.43'
18	15" RCP	IV	88'	0.0047	19.23'	18.82'
19	15" RCP	IV	104'	0.0047	18.62'	18.13'
20	15" RCP	IV	120'	0.0076	21.08'	20.17'
21	15" RCP	IV	120'	0.0155	19.97'	18.11'

* - MATCH FLOWLINE OF PROPOSED BARRIER/CURB AND GUTTER
** - MATCH PROPOSED BARRIER/CURBLINE
*** - PAID FOR UNDER DI SPECIAL 602012 (SEE DETAIL)

DRAINAGE INLET SCHEDULE

NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.
1	716+44.72	*	34" X 24"	2	**	19.87'
2	717+29.17	*	34" X 24"	2	**	19.34'
3	718+13.60	*	34" X 24"	2	**	18.81'
4	718+98.04	*	48" X 30"	2	**	18.28'
5***	719+82.43	*	48" X 30"	2	**	17.69'
6***	720+66.99	*	48" X 30"	2	**	17.16'
7	816+68.14	*	34" X 24"	2	**	19.85'
8	817+78.81	*	34" X 24"	2	**	19.06'
9	818+90.08	*	34" X 24"	2	**	18.42'
10	816+61.94	*	34" X 24"	4	**	19.14'

DRAINAGE INLET SCHEDULE

NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.
11	817+30.35	*	34" X 24"	4	**	18.64'
12	818+30.52	*	34" X 24"	4	**	18.13'
13	819+56.24	*	48" X 30"	4	**	17.35'
14	820+59.34	*	48" X 30"	4	**	16.68'
15***	717+39.68	*	34" X 24"	4	**	21.16'
16***	718+36.87	*	34" X 24"	4	**	20.52'
17***	719+36.31	*	34" X 24"	4	**	19.88'
18***	720+35.75	*	34" X 24"	4	**	19.23'
19***	721+27.24	*	48" X 30"	4	**	18.62'
20	905+46.11	*	34" X 24"	4	**	21.08'
21	906+69.18	*	34" X 24"	4	**	19.97'

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO. X
T201612501	DESIGNED BY: N. RIGOLINO
COUNTY	CHECKED BY: B. BEHRENS
SUSSEX	

CONSTRUCTION PLAN

CP-04 | SECTION PD | SHEET NO. 35

20-AUG-2024
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RIGHT-OF-WAY MONUMENT SCHEDULE

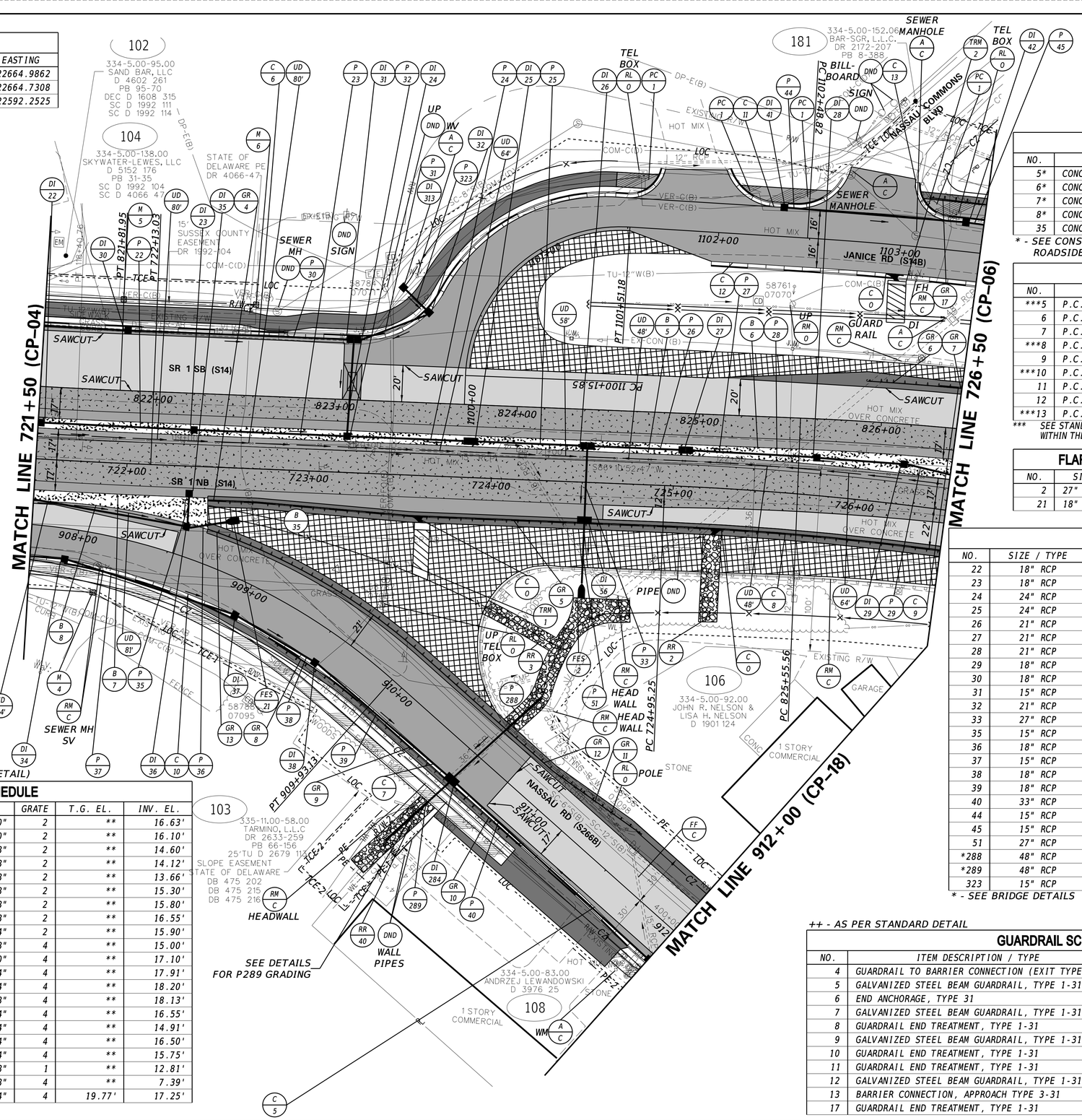
NO.	TYPE	STATION	OFFSET	NORTHING	EASTING
4	CONCRETE	908+14.30	32.15	273159.6373	722664.9862
5	CONCRETE	821+81.95	-50.00	272997.9789	722664.7308
6	CONCRETE	822+54.58	-50.00	272993.3366	722592.2525

RIPRAP SCHEDULE

NO.	TYPE	AREA (SY)
2	R-4	54
3	R-4	161
40	R-4	55

TURF REINFORCEMENT MATTING

NO.	TYPE	AREA (SY)
1	TYPE 1	23
2	TYPE 1	25



* - MATCH FLOWLINE OF PROPOSED BARRIER/CURB AND GUTTER
** - MATCH PROPOSED BARRIER/CURBLINE
*** - PAID FOR UNDER DI SPECIAL 602012 (SEE DETAIL)

DRAINAGE INLET SCHEDULE

NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.
22***	721+51.56	*	48" X 30"	2	**	16.63'
23***	722+35.97	*	48" X 30"	2	**	16.10'
24***	723+19.97	*	48" X 48"	2	**	14.60'
25***	723+87.97	*	72" X 48"	2	**	14.12'
26***	724+52.00	*	72" X 48"	2	**	13.66'
27***	725+05.85	*	72" X 48"	4	**	15.30'
28***	725+77.05	*	48" X 48"	2	**	15.80'
29***	726+24.44	*	48" X 48"	2	**	16.55'
30	821+84.98	*	34" X 24"	2	**	15.90'
31	823+08.98	*	72" X 48"	4	**	15.00'
32	1100+49.94	*	48" X 30"	4	**	17.10'
34	907+94.57	*	34" X 24"	4	**	17.91'
35	722+34.75	*	34" X 24"	4	**	18.20'
36	908+55.67	*	48" X 48"	4	**	18.13'
37	908+98.77	*	34" X 24"	4	**	16.55'
38	909+52.73	*	34" X 24"	4	**	14.91'
41	1102+35.04	*	34" X 24"	4	**	16.50'
42	1103+34.35	*	34" X 24"	4	**	15.75'
56	724+52.00	*	72" x 48"	1	**	12.81'
284	910+54.05	*	72" x 48"	4	**	7.39'
313	1100+47.27	-44.73'	34" x 24"	4	19.77'	17.25'

BARRIER SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
5*	CONCRETE ROADSIDE BARRIER, 42" TYPE 2	502'
6*	CONCRETE ROADSIDE BARRIER, 42" TYPE 2	502'
7*	CONCRETE ROADSIDE BARRIER, 42" TYPE 2	96'
8*	CONCRETE ROADSIDE BARRIER, 42" TYPE 2	98'
35	CONCRETE ROADSIDE BARRIER, 42" TYPE 2	19'

* - SEE CONSTRUCTION DETAILS FOR ROADSIDE BARRIER AT INLET LOCATIONS

CURB SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
***5	P.C.C. CURB AND GUTTER, TYPE 1-8	95'
6	P.C.C. CURB AND GUTTER, TYPE 1-4	378'
7	P.C.C. CURB AND GUTTER, TYPE 1-4	175'
***8	P.C.C. CURB, TYPE 1-4	404'
9	P.C.C. CURB, TYPE 1-4	13'
***10	P.C.C. CURB AND GUTTER, TYPE 1-8	145'
11	P.C.C. CURB AND GUTTER, TYPE 1-8	88'
12	P.C.C. CURB AND GUTTER, TYPE 1-8	146'
***13	P.C.C. CURB AND GUTTER, TYPE 1-4	52'

*** SEE STANDARD CONSTRUCTION DETAILS FOR DEPRESSED CURB REQUIREMENTS WITHIN THE LIMITS OF THE GUARDRAIL END TREATMENTS.

FLARED END SECTION SCHEDULE

NO.	SIZE / TYPE	SLOPE	SAFETY GRATE
2	27" RCP	0.0231	NO
21	18" RCP	0.0050	NO

DRAINAGE PIPE SCHEDULE

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INVERT EL.	DIS. EL.
22	18" RCP	IV	80'	0.0041	16.63'	16.30'
23	18" RCP	IV	80'	0.0041	16.10'	15.77'
24	24" RCP	IV	64'	0.0044	14.60'	14.32'
25	24" RCP	IV	59'	0.0045	14.12'	13.86'
26	21" RCP	IV	48'	0.0052	15.30'	15.05'
27	21" RCP	IV	48'	0.0063	15.80'	15.50'
28	21" RCP	IV	64'	0.0086	16.55'	16.00'
29	18" RCP	IV	72'	0.0104	17.50'	16.75'
30	18" RCP	IV	120'	0.0058	15.90'	15.20'
31	15" RCP	IV	40'	0.0050	17.10'	16.90'
32	21" RCP	IV	48'	0.0042	15.00'	14.80'
33	27" RCP	IV	37'	0.0231	13.66'	12.81'
35	15" RCP	IV	16'	0.0044	18.20'	18.13'
36	18" RCP	IV	24'	0.0050	18.13'	18.01'
37	15" RCP	IV	95'	0.0120	17.91'	16.83'
38	18" RCP	IV	47'	0.0080	16.55'	16.17'
39	18" RCP	IV	94'	0.0120	14.91'	13.83'
40	33" RCP	IV	141'	0.0033	8.31'	7.84'
44	15" RCP	IV	96'	0.0057	16.50'	15.95'
45	15" RCP	IV	96'	0.0072	15.75'	15.06'
51	27" RCP	IV	33'	0.0400	12.81'	11.50'
*288	48" RCP	IV	64'	0.0013	7.47'	7.39'
*289	48" RCP	IV	48'	0.0019	7.39'	7.30'
323	15" RCP	IV	16'	0.0094	17.25'	17.10'

* - SEE BRIDGE DETAILS

++ - AS PER STANDARD DETAIL

GUARDRAIL SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	BEGIN STA.	OFFSET	LENGTH
4	GUARDRAIL TO BARRIER CONNECTION (EXIT TYPE 31)	722+45.04	18.00'	22.00'
5	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	722+67.04	18.00'	375.88'
6	END ANCHORAGE, TYPE 31	825+91.40	-22.00'	14.00'
7	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	826+05.40	-22.00'	38.14'
8	GUARDRAIL END TREATMENT, TYPE 1-31	909+22.52	++	50.00'
9	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	909+77.33	21.00'	87.50'
10	GUARDRAIL END TREATMENT, TYPE 1-31	910+53.67	++	50.00'
11	GUARDRAIL END TREATMENT, TYPE 1-31	911+01.73	++	50.00'
12	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	908+88.68	-19.17'	225.00'
13	BARRIER CONNECTION, APPROACH TYPE 3-31	908+66.68	-18.58'	22.00'
17	GUARDRAIL END TREATMENT, TYPE 1-31	1103+13.61	++	50.00'

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

CONSTRUCTION PLAN

CP-05 | SECTION PD | SHEET NO. 36

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GUARDRAIL SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	BEGIN STA.	OFFSET	LENGTH
18	GUARDRAIL END TREATMENT, TYPE 2-31	1105+37.41	++	50.00'
19	GUARDRAIL TO BARRIER CONNECTION (EXIT TYPE 31)	729+50.00	-18.00'	22.00'
20	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	729+72.00	-18.00'	231.12'
21	BARRIER CONNECTION, APPROACH TYPE 3-31	829+49.75	18.00'	22.00'
22	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	829+71.75	18.00'	234.97'
49	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	1103+64.65	-26.67'	175.00'
61	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	726+50.00	22.00'	542.77'
62	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	826+41.35	-22.00'	575.94'

++ - AS PER STANDARD DETAIL

ROADWAY CORE SCHEDULE

NO.	STATION	OFFSET	DESCRIPTION
5	1104+71.54	5.51	3.75" HMA

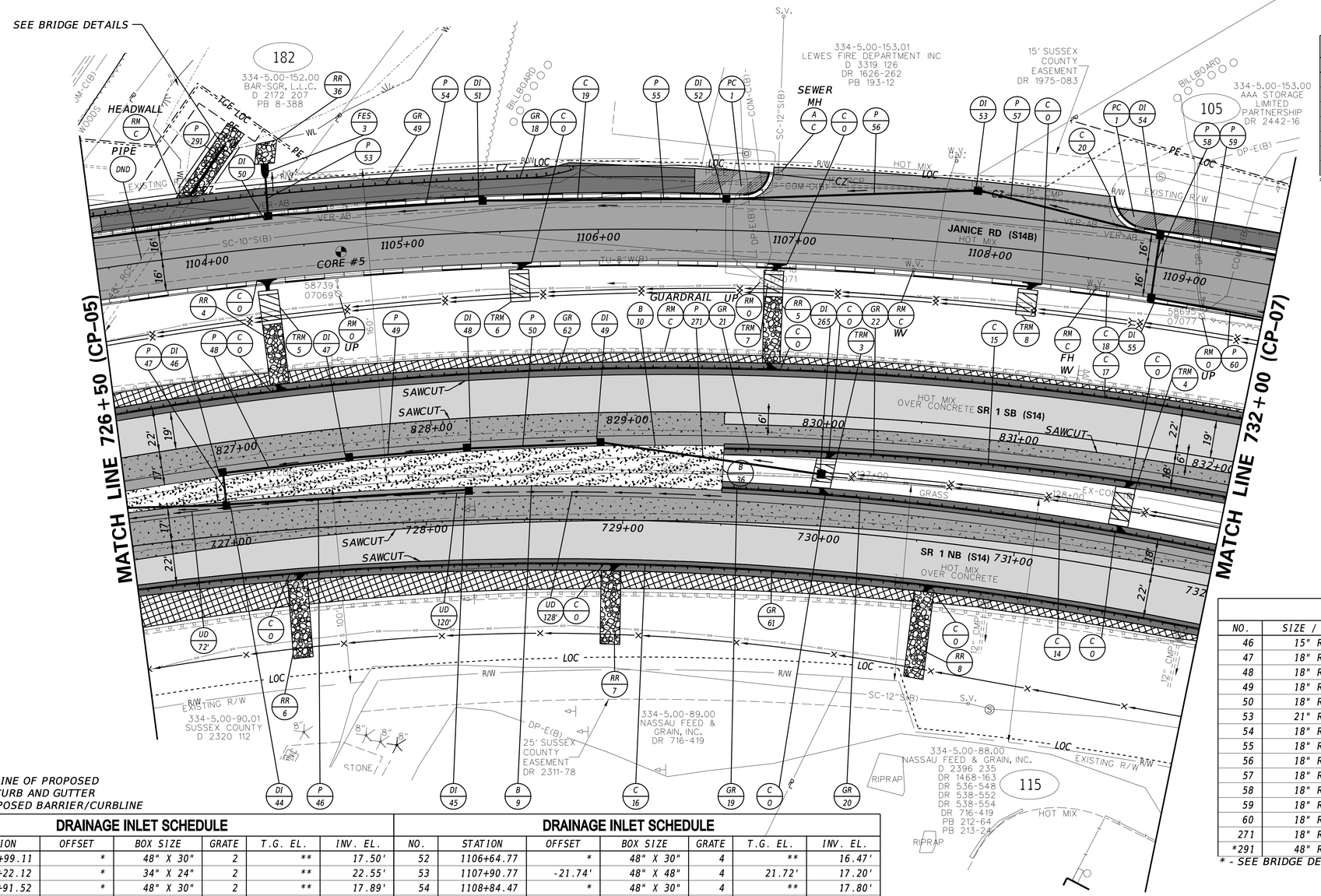
FLARED END SECTION SCHEDULE

NO.	SIZE / TYPE	SLOPE	SAFETY GRATE
3	21" RCP	0.0057	NO

BARRIER SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
9*	CONCRETE ROADSIDE BARRIER, 42" TYPE 2	303'
10*	CONCRETE ROADSIDE BARRIER, 42" TYPE 2	306'
36	CONCRETE ROADSIDE BARRIER, 42" TYPE 2	23'

* - SEE CONSTRUCTION DETAILS FOR ROADSIDE BARRIER AT INLET LOCATIONS



* - MATCH FLOWLINE OF PROPOSED BARRIER/CURB AND GUTTER
** - MATCH PROPOSED BARRIER/CURBLINE

DRAINAGE INLET SCHEDULE

NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.
44	726+99.11	*	48" X 30"	2	**	17.50'
45	728+22.12	*	34" X 24"	2	**	22.55'
46	826+91.52	*	48" X 30"	2	**	17.89'
47	827+56.94	*	48" X 30"	2	**	19.16'
48	828+17.57	*	48" X 30"	2	**	20.59'
49	828+86.25	*	48" X 30"	2	**	22.56'
50	1104+33.36	*	48" X 30"	1	**	15.06'
51	1105+41.80	*	48" X 30"	4	**	15.73'

DRAINAGE INLET SCHEDULE

NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.
52	1106+64.77	*	48" X 30"	4	**	16.47'
53	1107+90.77	-21.74'	48" X 48"	4	21.72'	17.20'
54	1108+84.47	*	48" X 30"	4	**	17.80'
55	1108+84.46	*	48" X 30"	4	**	18.30'
265	729+98.78	-28.62'	48" X 30"	1	27.65'	22.92'

CURB SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
***14	P.C.C. CURB, TYPE 1-4	254'
15	P.C.C. CURB, TYPE 1-4	257'
16	P.C.C. CURB, TYPE 1-4	543'
17	P.C.C. CURB, TYPE 1-4	576'
18	P.C.C. CURB AND GUTTER, TYPE 1-8	595'
***19	P.C.C. CURB AND GUTTER, TYPE 1-4	355'
20	P.C.C. CURB AND GUTTER, TYPE 1-8	96'

*** SEE STANDARD CONSTRUCTION DETAILS FOR DEPRESSED CURB REQUIREMENTS WITHIN THE LIMITS OF THE GUARDRAIL END TREATMENTS.

TURF REINFORCEMENT MATTING

NO.	TYPE	AREA (SY)
3	TYPE 1	11
4	TYPE 1	16
5	TYPE 1	16
6	TYPE 1	18
7	TYPE 1	11
8	TYPE 1	15

RIPRAP SCHEDULE

NO.	TYPE	AREA (SY)
4	R-4	34
5	R-4	35
6	R-4	45
7	R-4	42
8	R-4	50
36	R-4	43

DRAINAGE PIPE SCHEDULE

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INVERT EL.	DIS. EL.
46	15" RCP	IV	120'	0.0190	22.55'	20.27'
47	18" RCP	IV	13'	0.0154	17.89'	17.70'
48	18" RCP	IV	61'	0.0176	19.16'	18.09'
49	18" RCP	IV	56'	0.0220	20.59'	19.36'
50	18" RCP	IV	64'	0.0277	22.56'	20.79'
53	21" RCP	IV	24'	0.0858	15.06'	13.00'
54	18" RCP	IV	106'	0.0045	15.73'	15.26'
55	18" RCP	IV	120'	0.0045	16.47'	15.93'
56	18" RCP	IV	125'	0.0043	17.20'	16.67'
57	18" RCP	IV	92'	0.0044	17.80'	17.40'
58	18" RCP	IV	30'	0.0050	18.30'	18.15'
59	18" RCP	IV	96'	0.0039	19.42'	19.05'
60	18" RCP	IV	120'	0.0037	18.95'	18.50'
271	18" RCP	IV	110'	0.0033	22.92'	22.56'
*291	48" RCP	IV	32'	0.0041	8.00'	7.87'

* - SEE BRIDGE DETAILS

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO. X
T201612501	DESIGNED BY: N. RIGOLINO
COUNTY	CHECKED BY: B. BEHRENS
SUSSEX	

CONSTRUCTION PLAN

CP-06

SECTION PD

SHEET NO. 37

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CURB SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
21	P.C.C. CURB, TYPE 1-4	642'
22	P.C.C. CURB, TYPE 1-4	657'
23	P.C.C. CURB, TYPE 1-4	671'
24	P.C.C. CURB, TYPE 1-4	687'
25	P.C.C. CURB AND GUTTER, TYPE 1-8	739'
26	P.C.C. CURB AND GUTTER, TYPE 1-8	704'
75	P.C.C. CURB AND GUTTER, TYPE 1-4	56'

GUARDRAIL SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	BEGIN STA.	OFFSET	LENGTH
63	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	732+00.00	22.00'	629.56'
64	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	732+00.00	-18.00'	657.03'
65	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	832+10.02	-22.00'	686.53'
66	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	832+10.02	18.00'	670.92'

ROADWAY CORE SCHEDULE

NO.	STATION	OFFSET	DESCRIPTION
6	1115+14.65	26.80	4.75" HMA

RIGHT-OF-WAY MONUMENT SCHEDULE

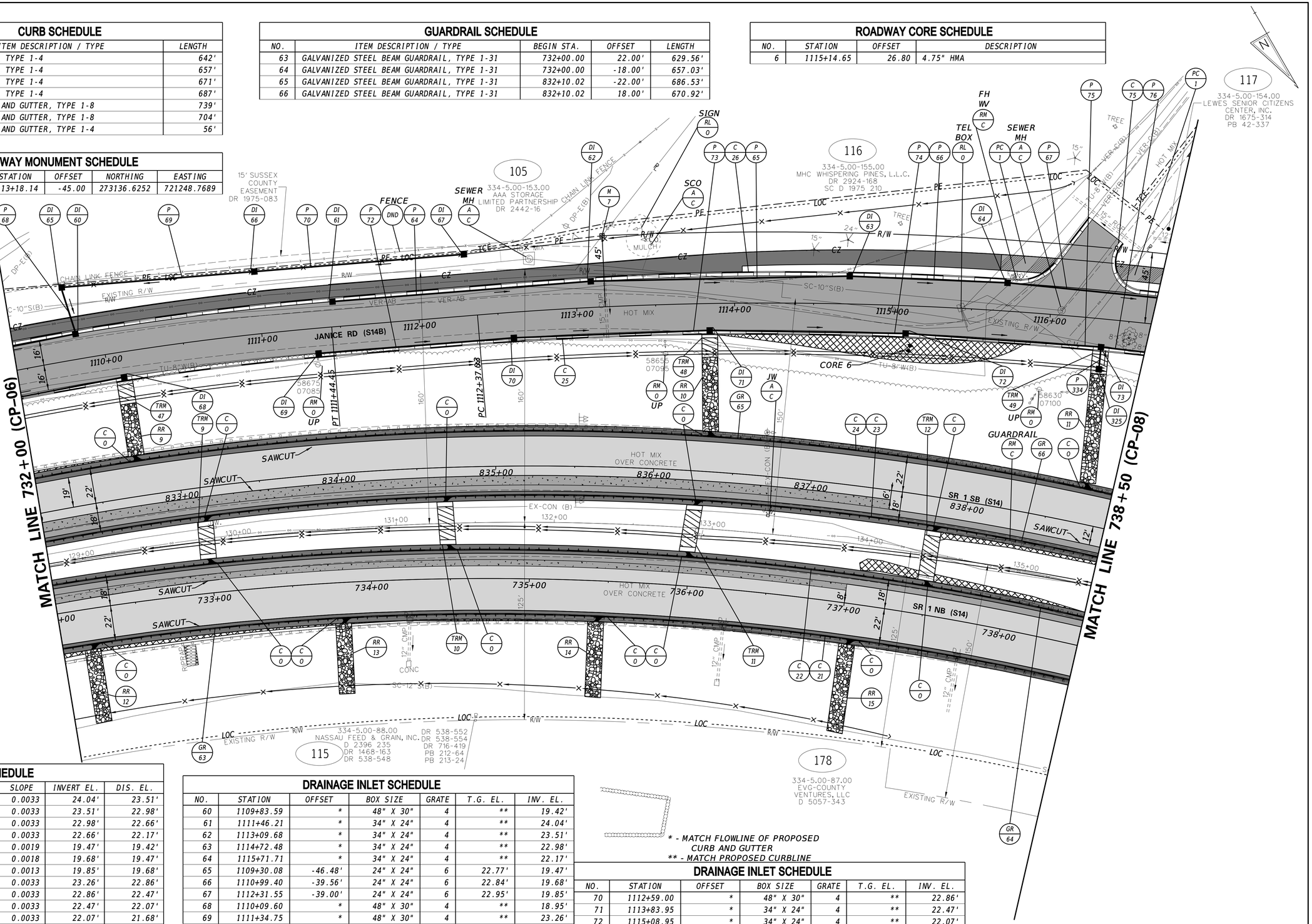
NO.	TYPE	STATION	OFFSET	NORTHING	EASTING
7	CONCRETE	1113+18.14	-45.00	273136.6252	721248.7689

TURF REINFORCEMENT MATTING

NO.	TYPE	AREA (SY)
9	TYPE 1	21
10	TYPE 1	24
11	TYPE 1	27
12	TYPE 1	29
47	TYPE 1	14
48	TYPE 1	14
49	TYPE 1	14

RIPRAP SCHEDULE

NO.	TYPE	AREA (SY)
9	R-4	37
10	R-4	53
11	R-4	78
12	R-4	52
13	R-4	50
14	R-4	54
15	R-4	63



DRAINAGE PIPE SCHEDULE

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INVERT EL.	DIS. EL.
64	15" RCP	IV	160'	0.0033	24.04'	23.51'
65	15" RCP	IV	160'	0.0033	23.51'	22.98'
66	15" RCP	IV	96'	0.0033	22.98'	22.66'
67	18" RCP	IV	148'	0.0033	22.66'	22.17'
68	15" RCP	IV	27'	0.0019	19.47'	19.42'
69	15" RCP	IV	119'	0.0018	19.68'	19.47'
70	15" RCP	IV	130'	0.0013	19.85'	19.68'
72	15" RCP	IV	120'	0.0033	23.26'	22.86'
73	15" RCP	IV	120'	0.0033	22.86'	22.47'
74	15" RCP	IV	120'	0.0033	22.47'	22.07'
75	15" RCP	IV	120'	0.0033	22.07'	21.68'
76	21" RCP	IV	83'	0.0033	21.36'	21.09'
334	15" RCP	IV	16'	0.0033	21.41'	21.36'

DRAINAGE INLET SCHEDULE

NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.
60	1109+83.59	*	48" X 30"	4	**	19.42'
61	1111+46.21	*	34" X 24"	4	**	24.04'
62	1113+09.68	*	34" X 24"	4	**	23.51'
63	1114+72.48	*	34" X 24"	4	**	22.98'
64	1115+71.71	*	34" X 24"	4	**	22.17'
65	1109+30.08	-46.48'	24" X 24"	6	22.77'	19.47'
66	1110+99.40	-39.56'	24" X 24"	6	22.84'	19.68'
67	1112+31.55	-39.00'	24" X 24"	6	22.95'	19.85'
68	1110+09.60	*	48" X 30"	4	**	18.95'
69	1111+34.75	*	48" X 30"	4	**	23.26'

* - MATCH FLOWLINE OF PROPOSED CURB AND GUTTER
** - MATCH PROPOSED CURBLINE

DRAINAGE INLET SCHEDULE

NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.
70	1112+59.00	*	48" X 30"	4	**	22.86'
71	1113+83.95	*	34" X 24"	4	**	22.47'
72	1115+08.95	*	34" X 24"	4	**	22.07'
73	1116+33.95	*	34" X 24"	4	**	21.36'
325	1116+33.88	*	34" X 24"	1	23.85'	21.41'

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

CONSTRUCTION PLAN

CP-07
SECTION
PD
SHEET NO.
38

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RIGHT-OF-WAY MONUMENT SCHEDULE

NO.	TYPE	STATION	OFFSET	NORTHING	EASTING
25	CONCRETE	1005+30.71	36.78	273635.0049	721149.9186
60	CONCRETE	1200+45.78	-81.62	273516.7093	720686.8599
61	CONCRETE	1116+85.24	-45.00	273335.1743	720931.7603

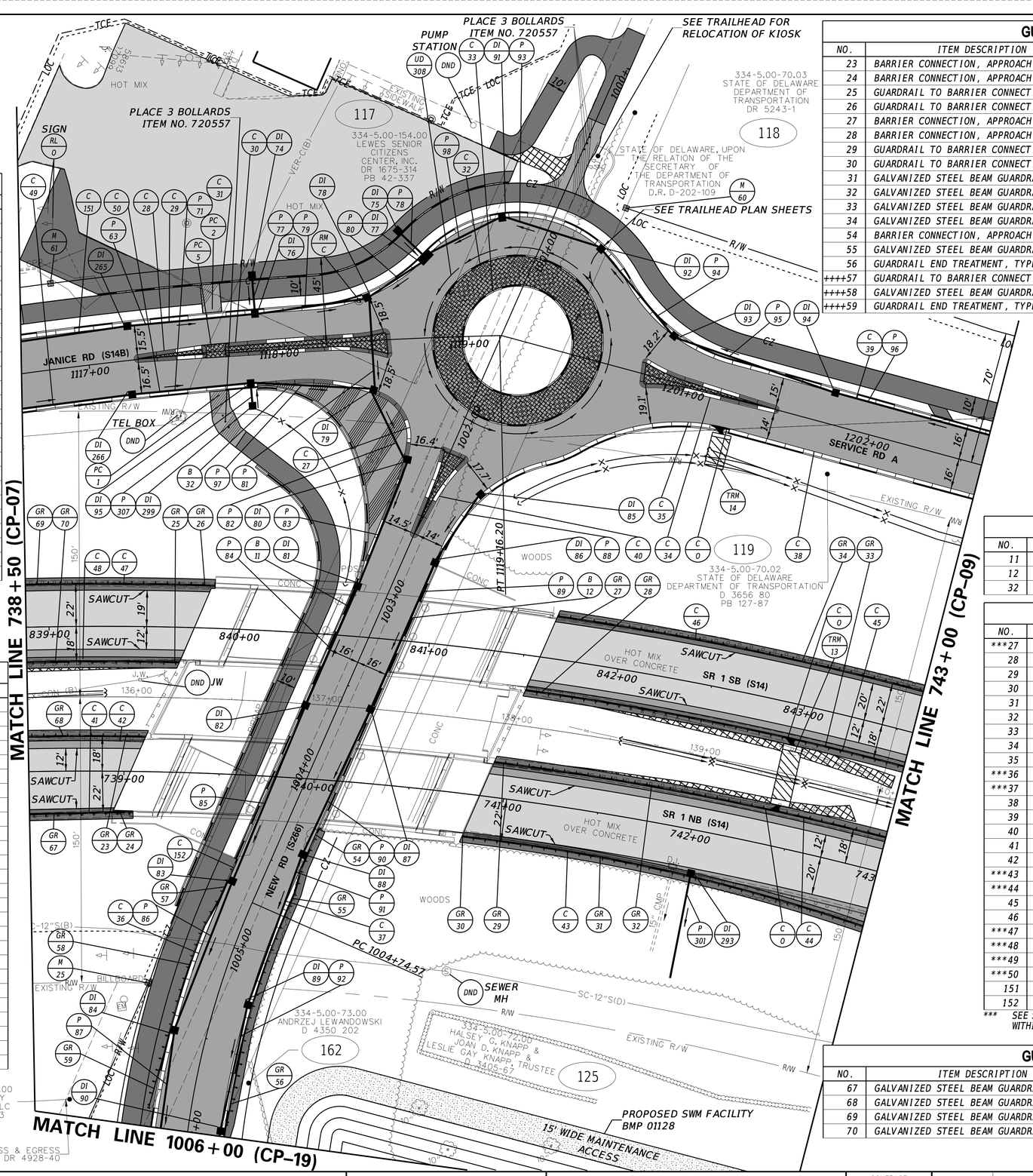
DRAINAGE PIPE SCHEDULE

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INVERT EL.	DIS. EL.
63	18" RCP	IV	64'	0.0033	22.17'	21.96'
71	21" RCP	IV	59'	0.0032	21.09'	20.90'
77	15" RCP	IV	16'	0.0044	22.03'	21.96'
78	15" RCP	IV	16'	0.0037	22.74'	22.68'
79	18" RCP	IV	56'	0.0032	21.76'	21.58'
80	27" RCP	IV	32'	0.0032	19.60'	19.50'
81	30" RCP	IV	45'	0.0034	19.50'	19.35'
82	30" RCP	IV	39'	0.0031	19.35'	19.23'
83	30" RCP	IV	68'	0.0033	19.23'	19.01'
84	30" RCP	IV	64'	0.0031	19.01'	18.81'
85	30" RCP	IV	96'	0.0032	18.81'	18.50'
86	30" RCP	IV	80'	0.0030	15.90'	15.66'
87	30" RCP	IV	100'	0.0030	15.66'	15.36'
88	15" RCP	IV	40'	0.0045	22.51'	22.33'
89	15" RCP	IV	80'	0.0045	22.13'	21.77'
90	15" RCP	IV	80'	0.0045	21.57'	21.21'
91	15" RCP	IV	80'	0.0045	20.01'	19.65'
92	15" RCP	IV	64'	0.0047	19.35'	19.05'
93	24" RCP	IV	51'	0.0033	19.90'	19.73'
94	15" RCP	IV	56'	0.0032	20.80'	19.90'
95	15" RCP	IV	88'	0.0032	21.08'	20.80'
96	15" RCP	IV	150'	0.0032	21.56'	21.08'
97	21" RCP	IV	62'	0.0033	20.90'	20.70'
98	27" RCP	IV	40'	0.0033	19.73'	19.60'
301	15" CPP	S	56'	0.3679	46.60'	26.00'
307	15" RCP	IV	8'	0.0038	22.80'	22.77'

* - MATCH FLOWLINE OF PROPOSED BARRIER/CURB AND GUTTER
** - MATCH PROPOSED BARRIER/CURBLINE
*** - SEE DETAIL

DRAINAGE INLET SCHEDULE

NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.
74	1117+89.01	*	34" X 24"	4	**	22.03'
75	1001+20.86	*	34" X 24"	4	**	22.74'
76	1117+89.96	*	34" X 24"	4	**	21.76'
77	1001+28.54	*	72" X 48"	4	**	19.60'
78	1118+47.37	*	48" X 48"	4	**	19.50'
79	1118+48.57	*	66" X 66"	4	**	19.35'
80	1002+28.80	*	66" X 66"	4	**	19.23'
81	1003+00.33	*	48" X 48"	4	**	19.01'
82***	1003+68.36	*	48" X 48"	4	**	18.81'
83	1004+68.40	*	48" X 48"	4	**	15.90'
84	1005+49.74	*	48" X 48"	4	**	15.66'
85	1002+30.10	*	34" X 24"	4	**	22.51'
86	1002+72.60	*	34" X 24"	4	**	22.13'
87***	1003+66.64	*	34" X 24"	4	**	21.57'
88	1004+40.69	*	34" X 24"	4	**	20.01'
89	1005+26.60	*	34" X 24"	4	**	19.35'
90	1005+97.10	*	34" X 24"	4	**	18.85'
91	1000+92.61	*	48" X 48"	4	**	19.73'
92	1000+86.70	*	48" X 48"	4	**	19.90'
93	1200+87.64	*	48" X 30"	4	**	20.80'
94	1201+77.28	*	34" X 24"	4	**	21.08'
95	1117+83.80	*	34" X 24"	4	**	20.90'
265	1117+22.05	*	34" X 24"	4	**	22.17'
266	1117+20.76	*	34" X 24"	4	**	21.09'
293	742+04.07	*	34" X 24"	4	**	46.60'
299	1117+83.78	30.00'	34" X 24"	4	25.38'	22.80'



GUARDRAIL SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	BEGIN STA.	OFFSET	LENGTH
23	BARRIER CONNECTION, APPROACH TYPE 3-31	738+89.23	+++	22.00'
24	BARRIER CONNECTION, APPROACH TYPE 3-31	738+82.78	+++	22.00'
25	GUARDRAIL TO BARRIER CONNECTION (EXIT TYPE 31)	839+46.82	+++	22.00'
26	GUARDRAIL TO BARRIER CONNECTION (EXIT TYPE 31)	839+64.80	+++	22.00'
27	BARRIER CONNECTION, APPROACH TYPE 3-31	841+64.34	+++	22.00'
28	BARRIER CONNECTION, APPROACH TYPE 3-31	841+53.79	+++	22.00'
29	GUARDRAIL TO BARRIER CONNECTION (EXIT TYPE 31)	740+92.42	+++	22.00'
30	GUARDRAIL TO BARRIER CONNECTION (EXIT TYPE 31)	740+81.11	+++	22.00'
31	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	741+03.11	22.00'	194.18'
32	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	741+14.42	-18.00'	187.59'
33	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	841+75.79	-18.00'	180.89'
34	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	841+86.34	22.00'	196.28'
54	BARRIER CONNECTION, APPROACH TYPE 3-31	1004+25.19	-16.00'	22.00'
55	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	1004+47.19	-16.00'	87.50'
56	GUARDRAIL END TREATMENT, TYPE 1-31	1005+39.25	++	50.00'
++++57	GUARDRAIL TO BARRIER CONNECTION (EXIT TYPE 31)	1004+57.02	16.00'	22.00'
++++58	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	1004+79.02	16.00'	62.50'
++++59	GUARDRAIL END TREATMENT, TYPE 1-31	1005+41.41	++	50.00'

++ - AS PER STANDARD DETAIL
+++ - TIE INTO EXISTING BRIDGES
++++ - INSTALL GUARDRAIL POST CAP ITEM 721515

TURF REINFORCEMENT MATTING

NO.	TYPE	AREA (SY)
13	TYPE 1	30
14	TYPE 1	20

BARRIER SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
11	CONCRETE MEDIAN BARRIER, 42" F-SHAPE	296'
12	CONCRETE MEDIAN BARRIER, 42" F-SHAPE	161'
32	PERMANENT IMPACT ATTENUATOR, TYPE 5	EACH

CURB SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
***27	P.C.C. CURB, TYPE 2 ROUNDABOUT	160'
28	P.C.C. CURB, TYPE 2 ROUNDABOUT	84'
29	P.C.C. CURB AND GUTTER, TYPE 1-4	389'
30	P.C.C. CURB, TYPE 2 ROUNDABOUT	195'
31	P.C.C. CURB, TYPE 1-8	174'
32	P.C.C. CURB, TYPE 1-2 ROUNDABOUT	283'
33	P.C.C. CURB, TYPE 1-8	184'
34	P.C.C. CURB, TYPE 2 ROUNDABOUT	168'
35	P.C.C. CURB AND GUTTER, TYPE 1-4	197'
***36	P.C.C. CURB AND GUTTER, TYPE 1-4	148'
***37	P.C.C. CURB AND GUTTER, TYPE 1-4	171'
38	P.C.C. CURB AND GUTTER, TYPE 1-8	113'
39	P.C.C. CURB AND GUTTER, TYPE 1-8	112'
40	P.C.C. CURB, TYPE 2 ROUNDABOUT	119'
41	P.C.C. CURB, TYPE 1-4	55'
42	P.C.C. CURB, TYPE 1-4	62'
***43	P.C.C. CURB, TYPE 1-4	217'
***44	P.C.C. CURB, TYPE 1-4	210'
45	P.C.C. CURB, TYPE 1-4	203'
46	P.C.C. CURB, TYPE 1-4	197'
***47	P.C.C. CURB, TYPE 1-4	100'
***48	P.C.C. CURB, TYPE 1-4	81'
***49	P.C.C. CURB AND GUTTER, TYPE 1-8	64'
***50	P.C.C. CURB AND GUTTER, TYPE 1-4	61'
151	P.C.C. CURB AND GUTTER, TYPE 1-8	61'
152	P.C.C. CURB, TYPE 1-2	22'

*** SEE STANDARD CONSTRUCTION DETAILS FOR DEPRESSED CURB REQUIREMENTS WITHIN THE LIMITS OF THE GUARDRAIL END TREATMENTS.

GUARDRAIL SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	BEGIN STA.	OFFSET	LENGTH
67	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	738+50.00	22.00'	32.35'
68	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	738+50.00	-18.00'	39.65'
69	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	838+87.96	-22.00'	77.73'
70	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	838+87.96	18.00'	58.33'

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	3-725
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

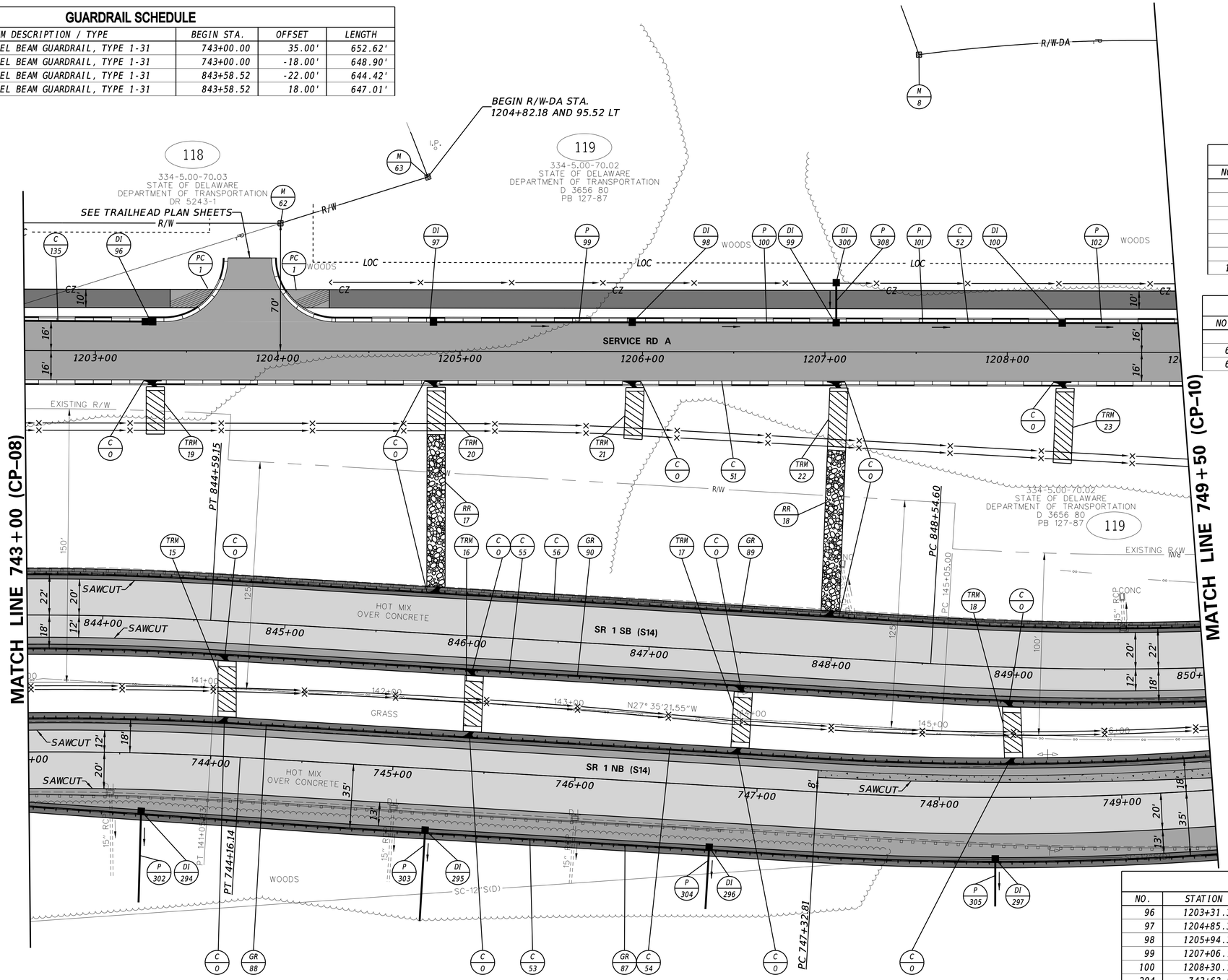
CONSTRUCTION PLAN

CP-08
SECTION PD
SHEET NO. 39

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GUARDRAIL SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	BEGIN STA.	OFFSET	LENGTH
87	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	743+00.00	35.00'	652.62'
88	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	743+00.00	-18.00'	648.90'
89	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	843+58.52	-22.00'	644.42'
90	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	843+58.52	18.00'	647.01'



CURB SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
51	P.C.C. CURB AND GUTTER, TYPE 1-8	635'
52	P.C.C. CURB AND GUTTER, TYPE 1-8	517'
53	P.C.C. CURB, TYPE 1-4	653'
54	P.C.C. CURB, TYPE 1-4	649'
55	P.C.C. CURB, TYPE 1-4	648'
56	P.C.C. CURB, TYPE 1-4	645'
135	P.C.C. CURB AND GUTTER, TYPE 1-8	132'

RIGHT-OF-WAY MONUMENT SCHEDULE

NO.	TYPE	STATION	OFFSET	NORTHING	EASTING
8	CONCRETE	1202+51.29	-163.06	274080.2228	720254.6162
62	CONCRETE	1204+01.45	-70.00	273827.8525	720514.1438
63	CONCRETE	1204+82.18	-95.52	273884.0099	720450.7801

TURF REINFORCEMENT MATTING

NO.	TYPE	AREA (SY)
15	TYPE 1	28
16	TYPE 1	28
17	TYPE 1	28
18	TYPE 1	25
19	TYPE 1	29
20	TYPE 1	25
21	TYPE 1	32
22	TYPE 1	35
23	TYPE 1	46

RIPRAP SCHEDULE

NO.	TYPE	AREA (SY)
17	R-4	93
18	R-4	98

DRAINAGE PIPE SCHEDULE

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INVERT EL.	DIS. EL.
99	15" RCP	IV	108'	0.0037	21.03'	20.63'
100	18" RCP	IV	108'	0.0031	20.53'	20.20'
101	18" RCP	IV	120'	0.0040	20.20'	19.72'
102	18" RCP	IV	120'	0.0037	19.72'	19.28'

DRAINAGE PIPE SCHEDULE

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INVERT EL.	DIS. EL.
302	15" CPP	S	48'	0.3508	42.84'	26.00'
303	15" CPP	S	48'	0.3110	38.93'	24.00'
304	15" CPP	S	32'	0.2713	33.68'	25.00'
305	15" CPP	S	24'	0.1725	28.14'	24.00'
308	15" RCP	IV	18'	0.0033	20.26'	20.20'

DRAINAGE INLET SCHEDULE

NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.
96	1203+31.38	*	72" X 24"	4	**	21.56'
97	1204+85.38	*	34" X 24"	4	**	21.03'
98	1205+94.36	*	48" X 30"	4	**	20.53'
99	1207+06.17	*	48" X 30"	4	**	20.20'
100	1208+30.18	*	48" X 30"	4	**	19.72'
294	743+62.57	*	34" X 24"	4	**	43.84'
295	745+19.66	*	34" X 24"	4	**	39.93'
296	746+75.68	*	34" X 24"	4	**	34.68'
297	748+30.72	*	34" X 24"	4	**	29.14'
300	1207+06.17	-37.67'	34" X 24"	1	23.50'	20.26'

* - MATCH FLOWLINE OF PROPOSED CURB AND GUTTER

** - MATCH PROPOSED CURBLINE

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

CONSTRUCTION PLAN

CP–09

SECTION	SHEET NO.
PD	40

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GUARDRAIL SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	BEGIN STA.	OFFSET	LENGTH
71	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	749+50.00	35.00'	146.45'
72	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	749+50.00	-18.00'	243.78'
73	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	850+04.37	-22.00'	102.97'
74	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	850+04.37	18.00'	239.93'
75	END ANCHORAGE, TYPE 31	750+93.63	35.00'	14.00'

DRAINAGE INLET SCHEDULE

NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.
101	1209+54.18	*	34" X 24"	4	**	19.28'
102	1210+78.18	*	34" X 24"	4	**	18.85'
103	1212+02.90	*	48" X 30"	4	**	17.77'
104	1213+28.70	*	48" X 30"	4	**	17.39'
105	1214+16.00	*	48" X 30"	1	**	17.03'
106	1214+15.14	*	48" X 30"	4	**	16.93'
107	853+65.46	*	34" X 24"	2	**	18.90'
108	854+11.07	*	72" X 24"	2	**	18.20'
109	854+56.67	*	34" X 24"	2	**	17.60'
110	855+19.40	*	34" X 24"	2	**	17.15'
111	751+01.43	-30.69'	48" X 48"	2	23.70'	19.23'
112	752+67.63	*	48" X 48"	2	**	18.40'
113	753+14.09	*	72" X 48"	2	**	18.22'
114	753+60.55	*	48" X 48"	2	**	17.85'
115	754+81.24	*	48" X 48"	2	**	17.10'
116***	755+29.51	*	66" X 66"	2	**	16.65'
117***	755+83.68	*	34" X 24"	2	**	17.60'
118***	755+28.28	*	66" X 66"	2	**	16.50'
119***	754.45.57	*	66" X 66"	2	**	16.24'
120***	753+03.49	*	66" X 66"	2	**	15.79'
122	751+06.01	57.16'	66" X 66"	1	21.72'	15.23'
298	749+84.89	*	34" X 24"	4	**	18.91'
301	1210+78.18	-37.67'	34" X 24"	1	22.20'	17.09'
302	1214+16.00	-37.67'	34" X 24"	1	21.09'	24.65'

* - MATCH FLOWLINE OF PROPOSED BARRIER/CURB AND GUTTER
** - MATCH PROPOSED BARRIER/CURBLINE
*** - PAID FOR UNDER DI SPECIAL 602012 (SEE DETAIL)

CURB SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
58	P.C.C. CURB AND GUTTER, TYPE 1-8	602'
59	P.C.C. CURB AND GUTTER, TYPE 1-8	591'
64	P.C.C. CURB, TYPE 1-4	103'
***65	P.C.C. CURB, TYPE 1-4	262'
76	P.C.C. CURB, TYPE 1-4	266'
82	P.C.C. CURB, TYPE 1-4	147'

*** SEE STANDARD CONSTRUCTION DETAILS FOR DEPRESSED CURB REQUIREMENTS WITHIN THE LIMITS OF THE GUARDRAIL END TREATMENTS.

BARRIER SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
13*	CONCRETE ROADSIDE BARRIER, 42" TYPE 2	379'
14*	CONCRETE ROADSIDE BARRIER, 42" TYPE 2	377'
15	CONCRETE MEDIAN BARRIER, 42" F-SHAPE	424'
33	PERMANENT IMPACT ATTENUATOR, TYPE 5	EACH
37	CONCRETE ROADSIDE BARRIER, 42" TYPE 2	22

* - SEE CONSTRUCTION DETAILS FOR ROADSIDE BARRIER AT INLET LOCATIONS

FLARED END SECTION SCHEDULE

NO.	SIZE / TYPE	SLOPE	SAFETY GRATE
3	24" RCP	0.0051	NO
4	33" RCP	0.0030	YES
17	18" RCP	0.0033	NO
18	18" RCP	0.0033	NO
23	18" RCP	0.0038	NO
24	18" RCP	0.0038	NO

RIGHT-OF-WAY MONUMENT SCHEDULE

NO.	TYPE	STATION	OFFSET	NORTHING	EASTING
9	CONCRETE	1204+46.87	-168.11	274245.4411	720149.8219
10	CONCRETE	1208+22.78	-128.76	274566.2709	719990.8401
15	CONCRETE	933+99.45	55.00	274640.2904	720577.1012
16	CONCRETE	938+99.45	55.00	274932.2133	720171.1689

DRAINAGE PIPE SCHEDULE

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INVERT EL.	DIS. EL.
103	18" RCP	IV	120'	0.0036	19.28'	18.85'
104	18" RCP	IV	120'	0.0053	18.85'	18.22'
105	21" RCP	IV	120'	0.0032	17.77'	17.39'
106	21" RCP	IV	80'	0.0045	17.39'	17.03'
107	18" RCP	IV	80'	0.0077	17.65'	17.03'
108	24" RCP	IV	32'	0.0032	17.03'	16.93'
109	24" RCP	IV	16'	0.0051	16.93'	16.85'
110	33" RCP	IV	62'	0.0030	16.84'	16.65'
111	15" RCP	IV	40'	0.0125	18.90'	18.40'
112	15" RCP	IV	40'	0.0100	18.20'	17.80'
113	15" RCP	IV	60'	0.0042	17.60'	17.35'
114	15" RCP	IV	8'	0.0062	17.15'	17.10'
115	15" RCP	IV	50'	0.0100	17.60'	17.10'
116	15" RCP	IV	96'	0.0073	18.50'	17.80'
117	24" RCP	IV	162'	0.0051	19.23'	18.40'

DRAINAGE PIPE SCHEDULE

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INVERT EL.	DIS. EL.
118	24" RCP	IV	40'	0.0045	18.40'	18.22'
119	24" RCP	IV	40'	0.0042	18.22'	18.05'
120	24" RCP	IV	116'	0.0046	17.85'	17.32'
121	24" RCP	IV	45'	0.0045	17.10'	16.90'
122	42" RCP	IV	48'	0.0032	16.65'	16.50'
123	18" RCP	IV	124'	0.0036	17.30'	16.85'
124	42" RCP	IV	80'	0.0035	16.50'	16.24'
125	42" RCP	IV	142'	0.0035	16.24'	15.79'
126	42" RCP	IV	200'	0.0028	15.79'	15.23'
128	42" RCP	IV	160'	0.0035	15.23'	14.67'
131	18" RCP	IV	32'	0.0038	22.08'	21.96'
132	18" RCP	IV	160'	0.0033	21.68'	21.16'
306	15" CPP	S	24'	0.0271	23.65'	23.00'
309	15" RCP	IV	18'	0.0033	18.91'	18.85'
310	15" RCP	IV	18'	0.0033	17.09'	17.03'

GUARDRAIL SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	BEGIN STA.	OFFSET	LENGTH
46	BARRIER CONNECTION, APPROACH TYPE 3-31	751+96.68	-18.00'	22.00'
47	GUARDRAIL TO BARRIER CONNECTION (EXIT TYPE 31)	852+64.22	-18.00'	22.00'
48	GUARDRAIL END TREATMENT, TYPE 2-31	851+07.48	++	50.00'

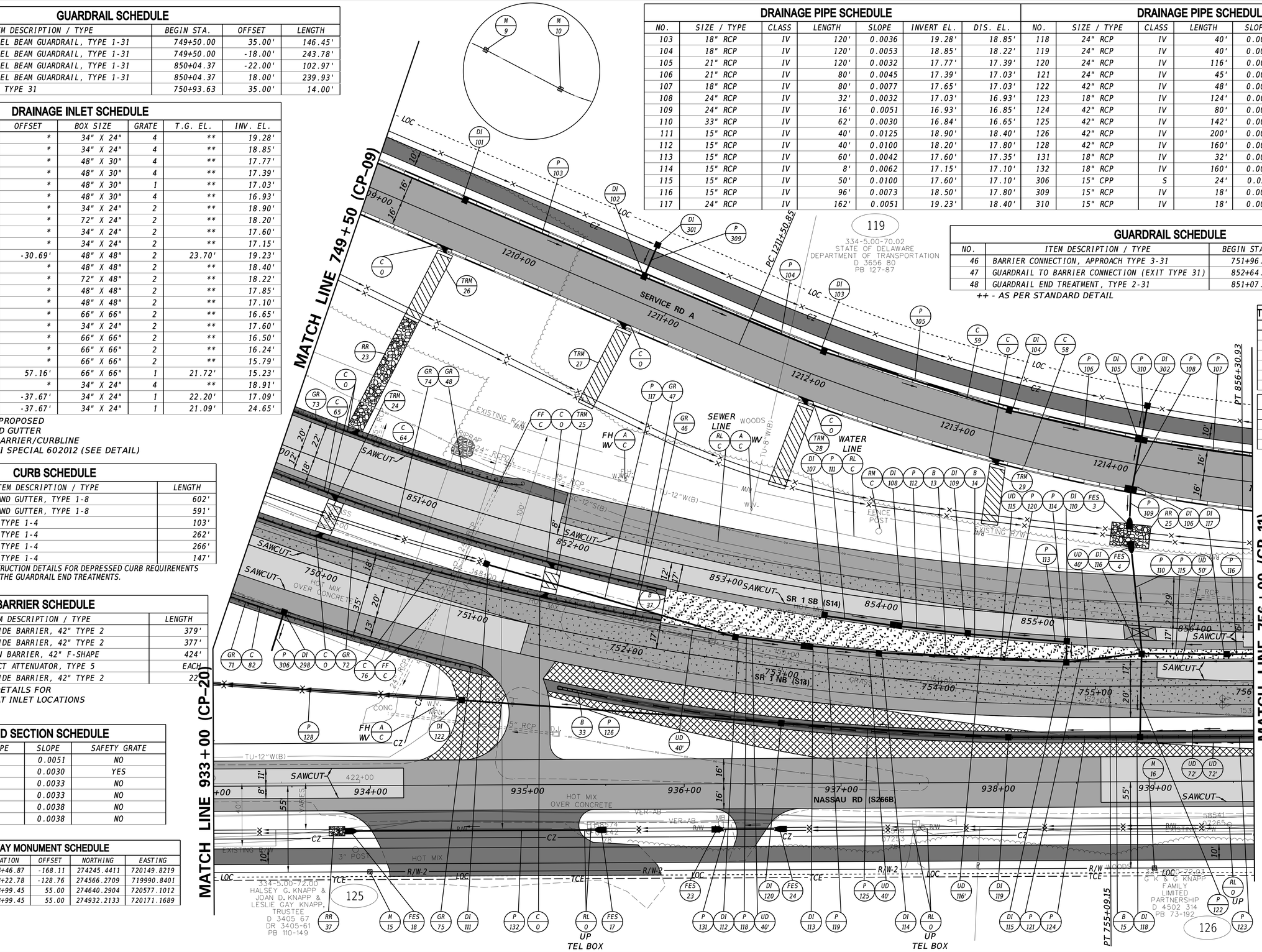
++ - AS PER STANDARD DETAIL

TURF REINFORCEMENT MATTING

NO.	TYPE	AREA (SY)
24	TYPE 1	19
25	TYPE 1	12
26	TYPE 1	50
27	TYPE 1	61
28	TYPE 1	65
29	TYPE 1	44

RIPRAP SCHEDULE

NO.	TYPE	AREA (SY)
23	R-4	87
25	R-4	38
37	R-4	7



ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	CONSTRUCTION PLAN	CP–10
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SECTION PD
					CHECKED BY: B. BEHRENS		SHEET NO. 41

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DRAINAGE INLET SCHEDULE

NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.
127	1215+03.17	*	34" x 24"	1	**	17.65'
128	1216+16.71	*	34" x 24"	4	**	18.09'
129	1217+30.28	*	34" x 24"	4	**	18.69'
130	1218+43.47	*	34" x 24"	4	**	19.43'
131	1219+87.48	*	34" x 24"	4	**	20.21'
132***	756+83.68	*	34" x 24"	2	**	18.70'
133***	757+83.68	*	34" x 24"	2	**	19.50'
134***	758+83.69	*	34" x 24"	2	**	20.60'
135***	759+83.68	*	34" x 24"	2	**	21.70'
136***	759+84.22	*	48" x 30"	2	**	18.90'
137***	758+20.22	*	48" x 30"	2	**	18.10'
138***	756+56.22	*	48" x 30"	2	**	17.50'
142	944+81.74	*	34" x 24"	4	**	21.27'
303	1217+30.28	-37.67'	34" x 24"	1	22.13'	18.75'
304	1219+87.48	-37.67'	34" x 24"	1	23.66'	20.47'
306	943+84.25	*	34" x 24"	4	**	21.43'
307	944+10.37	*	34" x 24"	4	**	21.40'
324	944+25.59	*	48" x 30"	4	**	21.35'

* - MATCH FLOWLINE OF PROPOSED BARRIER/CURB AND GUTTER
** - MATCH PROPOSED BARRIER/CURBLINE
*** - PAID FOR UNDER DI SPECIAL 602012 (SEE DETAIL)

DRAINAGE PIPE SCHEDULE

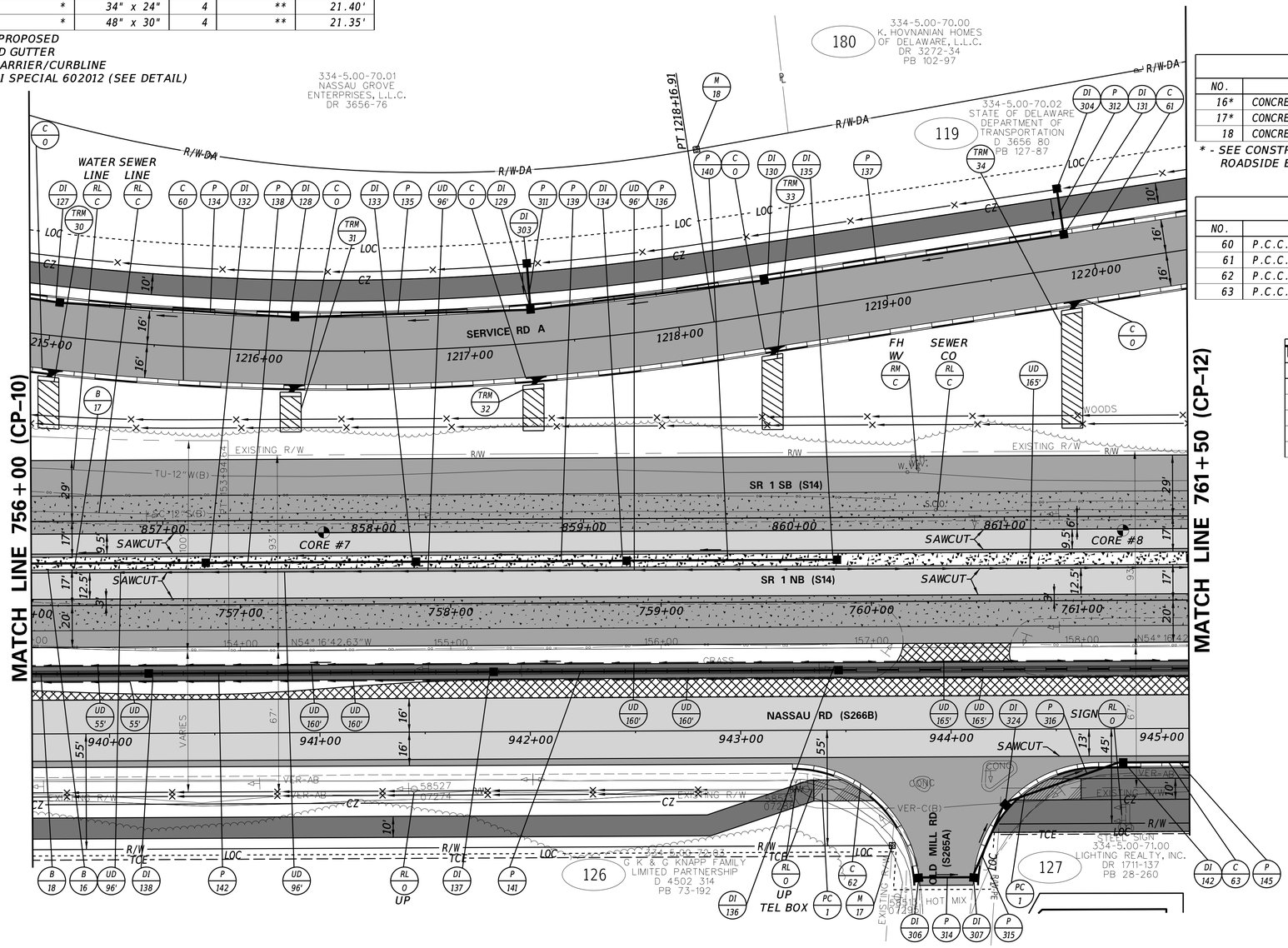
NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INVERT EL.	DIS. EL.
134	18" RCP	IV	108'	0.0041	18.09'	17.65'
135	15" RCP	IV	108'	0.0056	18.69'	18.09'
136	15" RCP	IV	108'	0.0069	19.43'	18.69'
137	15" RCP	IV	140'	0.0056	20.21'	19.43'
138	15" RCP	IV	96'	0.0083	19.50'	18.70'
139	15" RCP	IV	96'	0.0094	20.60'	19.70'
140	15" RCP	IV	96'	0.0094	21.70'	20.80'
141	15" RCP	IV	160'	0.0037	18.90'	18.30'
142	18" RCP	IV	160'	0.0038	18.10'	17.50'
145	15" RCP	IV	144'	0.0016	21.27'	21.04'
311	15" RCP	IV	18'	0.0033	18.75'	18.69'
312	15" RCP	IV	18'	0.0033	20.27'	20.21'
314	15" RCP	IV	23'	0.0015	21.43'	21.40'
315	15" RCP	IV	35'	0.0015	21.40'	21.35'
316	15" RCP	IV	56'	0.0015	21.35'	21.27'

RIGHT-OF-WAY MONUMENT SCHEDULE

NO.	TYPE	STATION	OFFSET	NORTHING	EASTING
17	CONCRETE	943+71.76	55.00	275207.9674	719787.7200
18	CONCRETE	1213+20.98	-82.34	274885.5597	719668.5497

ROADWAY CORE SCHEDULE

NO.	STATION	OFFSET	DESCRIPTION
7	857+74.94	5.82	13" HMA
8	861+54.64	6.70	13" HMA



BARRIER SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
16*	CONCRETE ROADSIDE BARRIER, 42" TYPE 2	550'
17*	CONCRETE ROADSIDE BARRIER, 42" TYPE 2	550'
18	CONCRETE MEDIAN BARRIER, 42" F-SHAPE	550'

* - SEE CONSTRUCTION DETAILS FOR ROADSIDE BARRIER AT INLET LOCATIONS

CURB SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
60	P.C.C. CURB AND GUTTER, TYPE 1-8	554'
61	P.C.C. CURB AND GUTTER, TYPE 1-8	554'
62	P.C.C. CURB AND GUTTER, TYPE 1-8	93'
63	P.C.C. CURB AND GUTTER, TYPE 1-8	136'

TURF REINFORCEMENT MATTING

NO.	TYPE	AREA (SY)
30	TYPE 1	24
31	TYPE 1	21
32	TYPE 1	25
33	TYPE 1	39
34	TYPE 1	63

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

CONSTRUCTION PLAN

CP-11
SECTION PD
SHEET NO. 42

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DRAINAGE PIPE SCHEDULE

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INVERT EL.	DIS. EL.
146	15" RCP	IV	100'	0.0043	21.03'	20.60'
147	15" RCP	IV	104'	0.0043	21.43'	20.98'
148	15" RCP	IV	30'	0.0080	21.87'	21.63'
149	15" RCP	IV	76'	0.0028	22.28'	22.07'
150	18" RCP	IV	29'	0.0042	20.40'	20.28'
151	18" RCP	IV	119'	0.0032	20.28'	19.90'
152	18" RCP	IV	56'	0.0045	19.90'	19.65'
153	15" RCP	IV	116'	0.0033	21.60'	21.22'
154	15" RCP	IV	116'	0.0033	21.22'	20.84'
155	15" RCP	IV	116'	0.0033	20.84'	20.46'
156	15" RCP	IV	88'	0.0033	20.29'	20.00'
157	15" RCP	IV	84'	0.0033	20.00'	19.72'
158	15" RCP	IV	104'	0.0033	20.06'	19.72'
159	24" RCP	IV	48'	0.0033	19.88'	19.72'
160	27" RCP	IV	80'	0.0046	19.37'	19.00'
162	18" RCP	IV	132'	0.0022	20.51'	20.22'
163	15" RCP	IV	200'	0.0030	21.31'	20.71'
164	15" RCP	IV	96'	0.0025	21.04'	20.80'
165	15" RCP	IV	88'	0.0028	20.80'	20.55'
166	15" RCP	IV	227'	0.0030	20.55'	19.86'
167	15" RCP	IV	118'	0.0037	20.30'	19.86'
313	15" RCP	IV	18'	0.0033	21.09'	21.03'
317	15" RCP	IV	82'	0.0033	19.65'	19.37'
318	18" RCP	IV	53'	0.0070	19.37'	19.00'
287	15" RCP	IV	120'	0.0033	20.28'	19.88'

DRAINAGE PIPE SCHEDULE

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INVERT EL.	DIS. EL.
294	15" RCP	IV	146'	0.0035	20.99'	20.48'
185	18" RCP	IV	41'	0.0034	19.86'	19.72'

ROADWAY CORE SCHEDULE

NO.	STATION	OFFSET	DESCRIPTION
9	862+67.36	5.81	13.25" HMA
10	946+69.74	16.67	5.75" HMA / 6" SC
11	949+24.10	8.55	6.25" HMA / 8.5" PCC
12	1303+40.30	32.35	8" HMA
13	1303+05.46	12.55	9.5" HMA

DRAINAGE INLET SCHEDULE

NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.
143	1221+44.58	*	34" X 24"	4	**	21.03'
144	1222+48.53	*	34" X 24"	4	**	20.40'
145	1223+66.61	*	34" X 24"	4	**	21.43'
146	1223+86.88	*	34" X 24"	4	**	21.87'
147	1302+68.96	*	34" X 24"	4	**	22.28'
148	1222+49.53	*	34" X 24"	4	**	20.28'
149	1221+70.84	*	48" X 48"	4	**	19.90'
150***	762+71.68	*	34" X 24"	1	**	21.22'
151***	763+91.68	*	34" X 24"	2	**	20.84'
152***	765+11.68	*	34" X 24"	2	**	20.29'
153***	766+03.68	*	34" X 24"	2	**	20.00'
154***	766+91.68	*	48" X 30"	2	**	19.37'
155***	767+99.68	*	34" X 24"	2	**	20.06'
156***	766+91.68	*	48" X 30"	2	**	20.28'
157***	765+56.24	*	48" X 30"	2	**	20.51'
158***	763+52.22	*	34" X 24"	2	**	21.31'
159	946+29.73	*	34" X 24"	4	**	21.04'
160	947+29.71	*	34" X 24"	4	**	20.80'
161	948+77.78	*	34" X 24"	4	**	20.55'
162	950+25.84	*	34" X 24"	4	**	19.86'
163	1220+99.48	*	34" X 24"	4	**	20.99'
268***	761+51.68	*	34" X 24"	2	**	21.60'
282	865+53.97	*	48" X 48"	4	**	19.65'
305	1221+44.58	-37.67'	34" X 24"	1	24.48'	21.09'
308	1400+53.94	*	34" X 24"	4	**	19.37'

*** - PAID FOR UNDER DI SPECIAL 602012 (SEE DETAIL)

* - MATCH FLOWLINE OF PROPOSED BARRIER/CURB AND GUTTER

** - MATCH PROPOSED BARRIER/CURBLINE

RIGHT-OF-WAY MONUMENT SCHEDULE

NO.	TYPE	STATION	OFFSET	NORTHING	EASTING
19	CONCRETE	950+56.97	45.00	275599.9084	719225.5801
20	CONCRETE	1217+48.72	-93.30	275071.9467	719283.3988
21	CONCRETE	1302+86.54	58.80	275159.5581	719146.6919
22	CONCRETE	1301+39.19	45.00	275081.8203	719006.0725
23	CONCRETE	1301+39.19	25.00	275099.3237	718996.3962
24	CONCRETE	1302+43.96	-23.36	275191.9084	719060.5268
64	CONCRETE	945+64.23	45.00	275312.2263	719625.6153

BARRIER SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
19*	CONCRETE ROADSIDE BARRIER, 42" TYPE 2	650'
20*	CONCRETE ROADSIDE BARRIER, 42" TYPE 2	650'
21	CONCRETE MEDIAN BARRIER, 42" F-SHAPE	650'

* - SEE CONSTRUCTION DETAILS FOR ROADSIDE BARRIER AT INLET LOCATIONS

TURF REINFORCEMENT MATTING

NO.	TYPE	AREA (SY)
36	TYPE 1	14
37	TYPE 1	20

RIPRAP SCHEDULE

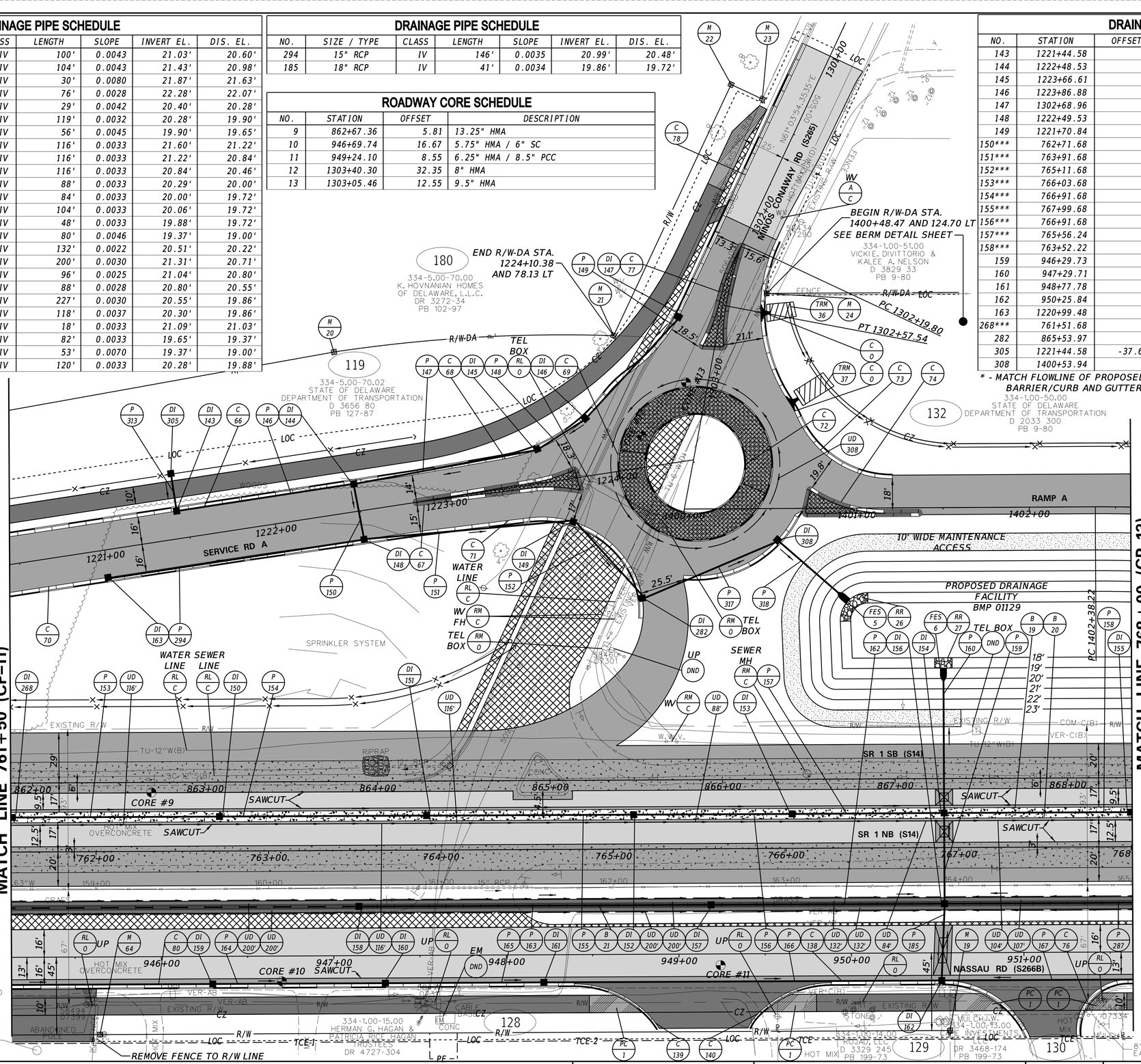
NO.	TYPE	AREA (SY)
26	R-4	40
27	R-4	10

FLARED END SECTION SCHEDULE

NO.	SIZE / TYPE	SLOPE	SAFETY GRATE
5	18" RCP	0.0070	NO
6	27" RCP	0.0046	NO

CURB SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
66	P.C.C. CURB AND GUTTER, TYPE 1-8	236'
67	P.C.C. CURB, TYPE 2 ROUNDABOUT	217'
68	P.C.C. CURB AND GUTTER, TYPE 1-4	243'
69	P.C.C. CURB, TYPE 1-2 ROUNDABOUT	283'
70	P.C.C. CURB AND GUTTER, TYPE 1-8	241'
71	P.C.C. CURB AND GUTTER, TYPE 1-4	116'
72	P.C.C. CURB, TYPE 1-8	184'
73	P.C.C. CURB AND GUTTER, TYPE 1-4	179'
74	P.C.C. CURB, TYPE 2 ROUNDABOUT	158'
76	P.C.C. CURB AND GUTTER, TYPE 1-8	51'
77	P.C.C. CURB, TYPE 2 ROUNDABOUT	147'
78	P.C.C. CURB AND GUTTER, TYPE 1-8	120'
80	P.C.C. CURB AND GUTTER, TYPE 1-8	328'
138	P.C.C. CURB AND GUTTER, TYPE 1-8	130'
139	P.C.C. CURB AND GUTTER, TYPE 3-8	58'
140	P.C.C. CURB AND GUTTER, TYPE 3-8	58'



ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

CONSTRUCTION PLAN

CP-12	
SECTION	PD
SHEET NO.	43

21-AUG-2024
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DRAINAGE PIPE SCHEDULE

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INVERT EL.	DIS. EL.
168	24" RCP	IV	94'	0.0023	18.00'	17.79'
169	24" RCP	IV	160'	0.0034	17.79'	17.25'
170	24" RCP	IV	160'	0.0034	17.05'	16.50'
171	24" RCP	IV	160'	0.0034	16.30'	15.76'
172	27" RCP	IV	160'	0.0035	15.46'	14.90'
173	15" RCP	IV	104'	0.0033	20.40'	20.06'
174	15" RCP	IV	88'	0.0033	20.69'	20.40'
175	15" RCP	IV	96'	0.0040	20.86'	20.48'
176	15" RCP	IV	96'	0.0040	20.28'	19.90'
177	15" RCP	IV	96'	0.0040	19.70'	19.32'
178	15" RCP	IV	96'	0.0040	19.12'	18.74'

DRAINAGE PIPE SCHEDULE

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INVERT EL.	DIS. EL.
179	15" RCP	IV	144'	0.0033	20.75'	20.28'
180	15" RCP	IV	144'	0.0040	20.45'	19.88'
181	15" RCP	IV	144'	0.0040	19.68'	19.11'
182	18" RCP	IV	136'	0.0040	18.91'	18.36'
183	15" RCP	IV	64'	0.0031	20.50'	20.30'
184	15" RCP	IV	152'	0.0033	21.00'	20.50'
186	15" RCP	IV	144'	0.0052	17.15'	16.40'
187	15" RCP	IV	144'	0.0038	16.40'	15.85'
188	15" RCP	IV	144'	0.0043	15.85'	15.23'

DRAINAGE INLET SCHEDULE

NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.
164	1404+14.39	58.55'	++++	++++	24.04'	17.79'
165	1404+09.44	-36.61'	48" X 48"	2	24.04'	17.79'
166	1405+71.08	-35.90'	48" X 48"	2	23.55'	17.05'
167	1407+35.20	-37.63'	48" X 48"	2	22.30'	16.30'
168	1409+10.86	-55.72'	48" X 48"	2	21.06'	15.46'
169***	769+07.68	*	34" X 24"	2	**	20.40'
170***	769+99.68	*	34" X 24"	2	**	20.69'
171***	770+75.67	*	34" X 24"	2	**	20.86'
172***	771+75.49	*	34" X 24"	2	**	20.28'
173***	772+75.31	*	34" X 24"	2	**	19.70'
174***	773+75.13	*	34" X 24"	2	**	19.12'
175***	768+15.68	*	34" X 24"	2	**	20.28'
176***	769+64.25	*	34" X 24"	2	**	20.75'
177***	770+75.70	*	34" X 24"	2	**	20.45'
178***	772+24.12	*	34" X 24"	2	**	19.68'
179***	773+72.99	*	48" X 30"	2	**	18.91'
180	951+73.83	*	48" X 30"	4	**	20.30'
181	952+41.86	*	48" X 30"	4	**	20.50'
182	953+97.84	*	48" X 30"	4	**	21.00'
183	954+81.86	*	48" X 30"	4	**	17.15'
184	956+29.89	*	48" X 30"	4	**	16.40'
185	957+77.91	*	48" X 30"	4	**	15.85'
309	953+97.84	39.67'	34" X 24"	1	23.50'	21.06'
310	956+29.89	39.67'	34" X 24"	1	23.33'	20.23'

* - MATCH FLOWLINE OF PROPOSED BARRIER/CURB AND GUTTER
** - MATCH PROPOSED BARRIER/CURBLINE
*** - PAID FOR UNDER DI SPECIAL 602012 (SEE DETAIL)
++++ - SEE DRAINAGE FACILITY PLAN

RIPRAP SCHEDULE

NO.	TYPE	AREA (SY)
28	R-4	182

BARRIER SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
22*	CONCRETE ROADSIDE BARRIER, 42" TYPE 2	651'
23*	CONCRETE ROADSIDE BARRIER, 42" TYPE 2	651'
24	CONCRETE MEDIAN BARRIER, 42" F-SHAPE	650'

* - SEE CONSTRUCTION DETAILS FOR ROADSIDE BARRIER AT INLET LOCATIONS

CURB SCHEDULE

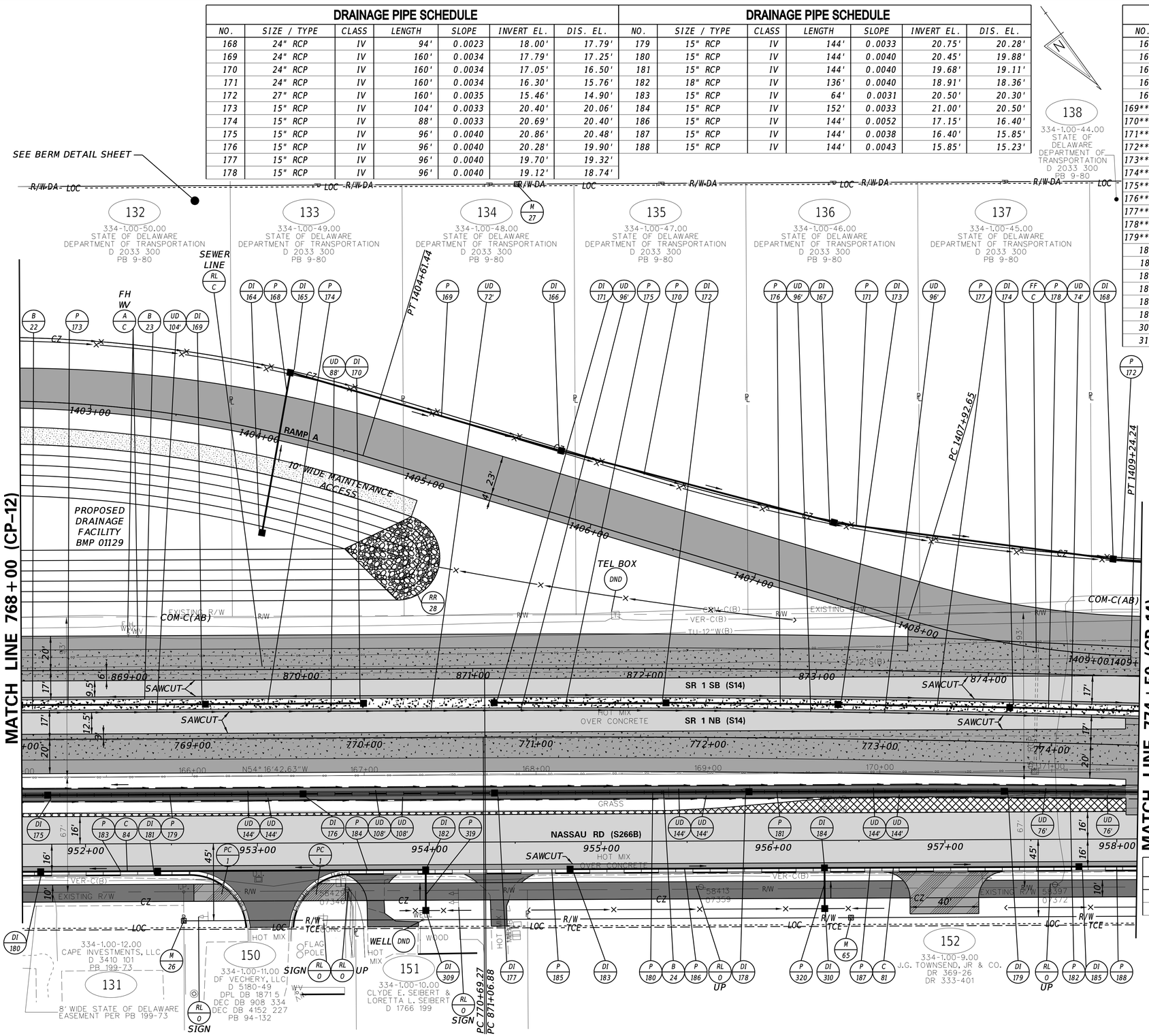
NO.	ITEM DESCRIPTION / TYPE	LENGTH
81	P.C.C. CURB AND GUTTER, TYPE 1-8	504'
84	P.C.C. CURB AND GUTTER, TYPE 1-8	135'

RIGHT-OF-WAY MONUMENT SCHEDULE

NO.	TYPE	STATION	OFFSET	NORTHING	EASTING
26	CONCRETE	952+56.97	45.00	275716.6780	719063.2065
27	CONCRETE	1405+01.62	-176.99	275483.7860	718654.5619
65	CONCRETE	956+45.15	45.00	275943.3146	718748.0579

DRAINAGE PIPE SCHEDULE

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INVERT EL.	DIS. EL.
319	15" RCP	IV	20'	0.0003	21.06'	21.00'
320	15" RCP	IV	20'	0.0033	20.23'	20.16'



GUARDRAIL SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	BEGIN STA.	OFFSET	LENGTH
35	END ANCHORAGE, TYPE 31	880+12.81	-28.00'	14.00'
36	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	880+26.81	-27.00'	171.78'

DRAINAGE PIPE SCHEDULE

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INVERT EL.	DIS. EL.
189	27" RCP	IV	160'	0.0034	14.70'	14.15'
190	27" RCP	IV	120'	0.0046	13.85'	13.30'
191	27" RCP	IV	144'	0.0039	13.30'	12.74'
192	18" RCP	IV	96'	0.0040	18.54'	18.16'
193	18" RCP	IV	96'	0.0040	17.96'	17.58'
194	18" RCP	IV	96'	0.0040	17.38'	17.00'
195	18" RCP	IV	96'	0.0040	16.80'	16.42'
196	18" RCP	IV	104'	0.0059	16.22'	15.61'
197	18" RCP	IV	104'	0.0076	15.15'	14.36'
198	18" RCP	IV	104'	0.0088	14.16'	13.25'
199	18" RCP	IV	144'	0.0040	18.16'	17.59'
200	21" RCP	IV	104'	0.0040	17.39'	16.97'
201	21" RCP	IV	104'	0.0040	16.77'	16.35'
202	21" RCP	IV	104'	0.0078	16.15'	15.34'
203	21" RCP	IV	104'	0.0098	15.14'	14.12'
204	21" RCP	IV	104'	0.0079	13.92'	13.10'
205	15" RCP	IV	144'	0.0040	15.23'	14.65'
206	15" RCP	IV	136'	0.0048	14.65'	14.00'
207	15" RCP	IV	144'	0.0042	14.00'	13.40'
208	15" RCP	IV	96'	0.0052	13.40'	12.90'
209	18" RCP	IV	96'	0.0057	12.90'	12.35'
321	15" RCP	IV	17'	0.0033	19.91'	19.85'
322	15" RCP	IV	13'	0.0033	17.17'	17.13'

DRAINAGE INLET SCHEDULE

NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.
186	876+33.71	-62.03'	48" X 48"	1	19.82'	14.70'
187	877+98.25	-56.85'	48" X 48"	1	18.10'	13.85'
188	879+22.87	-55.03'	48" X 48"	1	16.68'	13.30'
189***	774+74.95	*	48" X 30"	2	**	18.54'
190***	775+74.77	*	48" X 30"	2	**	17.96'
191***	776+74.77	*	48" X 30"	2	**	17.38'
192***	777+74.95	*	48" X 30"	2	**	16.80'
193***	778+75.13	*	48" X 30"	2	**	16.22'
194***	779+83.32	*	48" X 30"	2	**	15.15'
195***	780+91.49	*	48" X 30"	2	**	14.16'
196***	775+13.18	*	48" X 30"	4	**	18.16'
197***	776+61.28	*	48" X 30"	4	**	17.39'
198***	777+69.08	*	48" X 30"	4	**	16.77'
199***	778+76.90	*	48" X 30"	4	**	16.15'
200***	779+84.72	*	48" X 30"	4	**	15.14'
201***	780+92.53	*	48" X 30"	4	**	13.92'
202	959+25.94	*	48" X 30"	4	**	15.23'
203	960+73.97	*	48" X 30"	4	**	14.65'
204	962+13.98	*	48" X 30"	4	**	14.00'
205	963+62.00	*	48" X 30"	4	**	13.40'
206	964+62.03	*	48" X 30"	4	**	12.90'
311	959+25.94	*	34" X 24"	2	23.01'	19.91'
312	962+13.98	*	34" X 24"	2	20.27'	17.17'

RIGHT-OF-WAY MONUMENT SCHEDULE

NO.	TYPE	STATION	OFFSET	NORTHING	EASTING
28	CONCRETE	960+02.82	45.00	276152.1361	718457.6818
29	CONCRETE	960+03.64	35.00	276144.4975	718451.1759
30	CONCRETE	962+69.33	35.00	276299.6223	718235.4676
31	CONCRETE	963+28.64	45.00	276342.3645	718193.1604
32	CONCRETE	876+13.75	-293.60	275775.6636	718248.5970
34	CONCRETE	881+24.67	-309.34	276067.5412	717842.632

CURB SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
85	P.C.C. CURB AND GUTTER, TYPE 1-8	699'
136	P.C.C. CURB AND GUTTER, TYPE 1-8	210'
137	P.C.C. CURB, TYPE *	127'

* - CURB 137 IS A CURB RETAINING WALL, 20" HIGH INCIDENTAL TO ITEM 701507 - CURB RETAINING WALL, TYPE 1

FLARED END SECTION SCHEDULE

NO.	SIZE / TYPE	SLOPE	SAFETY GRATE
7	27" RCP	0.0039	NO

RIPRAP SCHEDULE

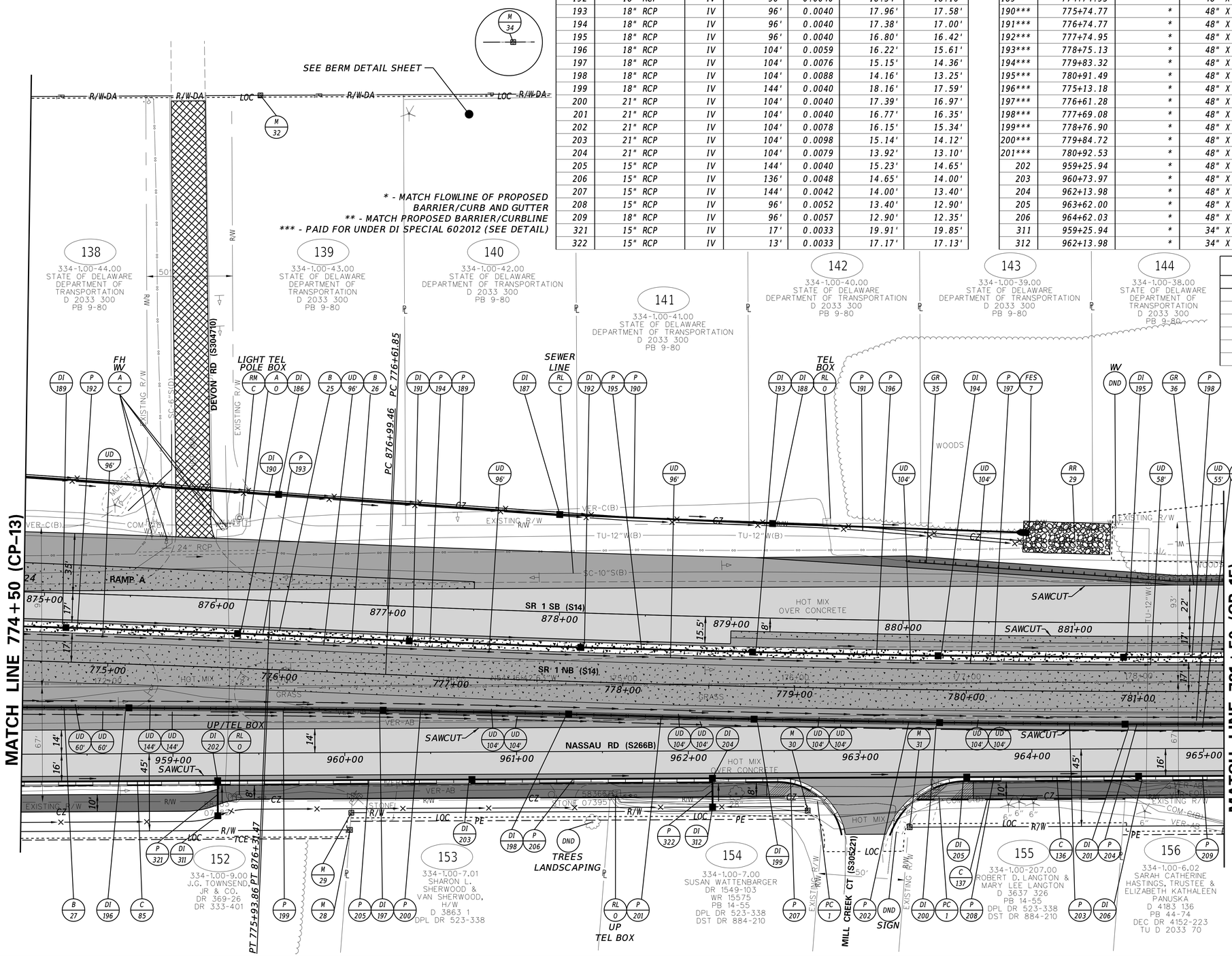
NO.	TYPE	AREA (SY)
29	R-4	102

BARRIER SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
25*	CONCRETE ROADSIDE BARRIER, 42" TYPE 2	701'
26*	CONCRETE ROADSIDE BARRIER, 42" TYPE 2	701'
27	CONCRETE MEDIAN BARRIER, 42" F-SHAPE	700'

* - SEE CONSTRUCTION DETAILS FOR ROADSIDE BARRIER AT INLET LOCATIONS

* - MATCH FLOWLINE OF PROPOSED BARRIER/CURB AND GUTTER
** - MATCH PROPOSED BARRIER/CURBLINE
*** - PAID FOR UNDER DI SPECIAL 602012 (SEE DETAIL)



ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	T201612501
COUNTY	SUSSEX
BRIDGE NO.	X
DESIGNED BY: N. RIGOLINO	
CHECKED BY: B. BEHRENS	

CONSTRUCTION PLAN

CP-14
SECTION PD
SHEET NO. 45

21-AUG-2024
09:47
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GUARDRAIL SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	BEGIN STA.	OFFSET	LENGTH
37	END ANCHORAGE, TYPE 31	888+09.53	-26.00'	14.00'
38	BARRIER CONNECTION, APPROACH TYPE 3-31	877+36.70	18.00'	22.00'
39	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	877+56.70	18.00'	96.99'
44	GUARDRAIL END TREATMENT, TYPE 1-31	887+12.38	++	50.00'
50	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	888+23.53	-26.00'	11.15'
76	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	881+86.79	-27.00'	515.07'

++ - AS PER STANDARD DETAIL

FLARED END SECTION SCHEDULE

NO.	SIZE / TYPE	SLOPE	SAFETY GRATE
8	33" RCP	0.0035	NO
11	42" RCP	0.0063	NO
12	42" RCP	0.0063	NO

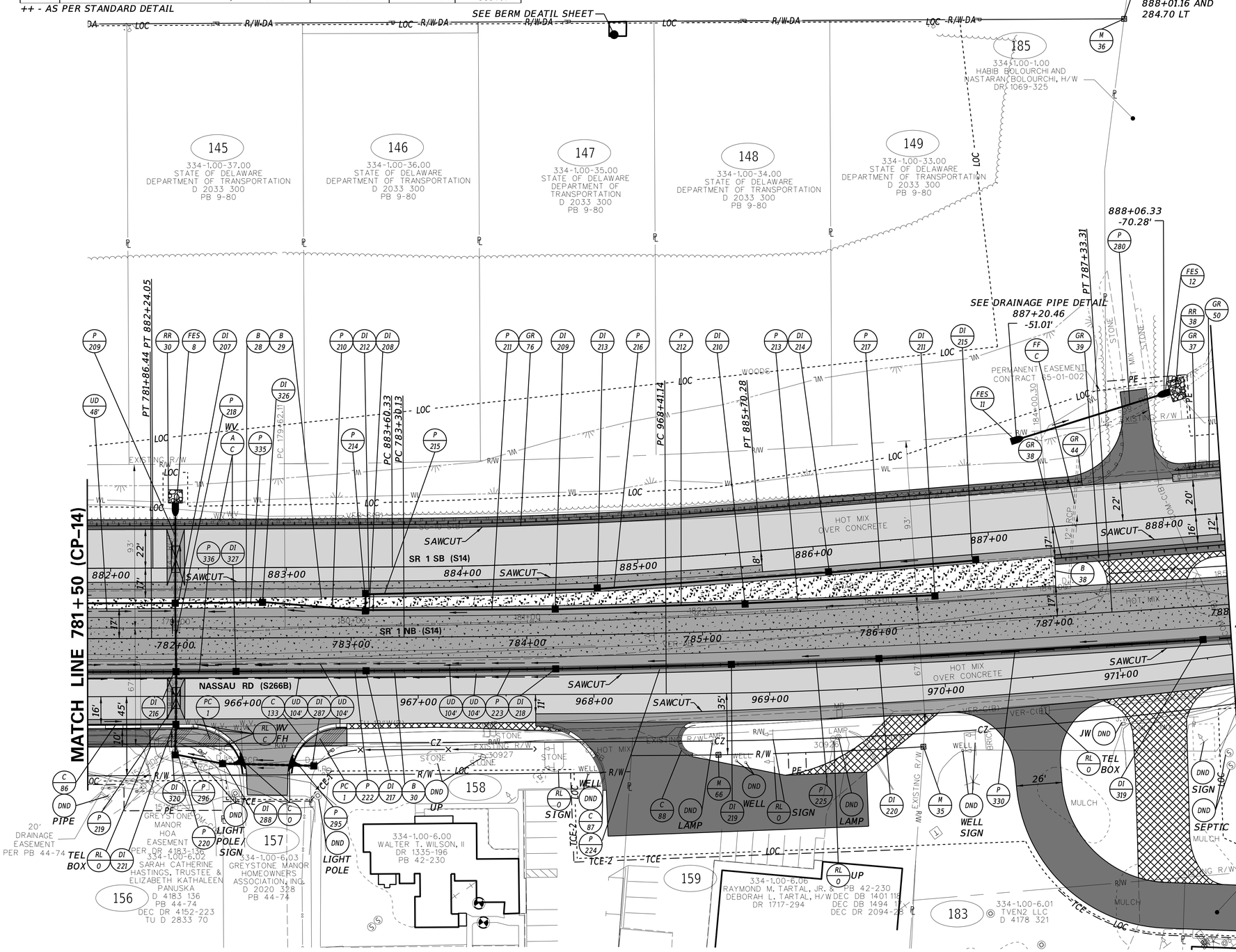
BARRIER SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
28*	CONCRETE ROADSIDE BARRIER, 42" TYPE 2	551'
29*	CONCRETE ROADSIDE BARRIER, 42" TYPE 2	550'
30	CONCRETE MEDIAN BARRIER, 42" F-SHAPE	459'
38	CONCRETE ROADSIDE BARRIER, 42" TYPE 2	17'

* - SEE CONSTRUCTION DETAILS FOR ROADSIDE BARRIER AT INLET LOCATIONS

CURB SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
86	P.C.C. CURB AND GUTTER, TYPE 1-8	112'
87	P.C.C. CURB, TYPE 2	62'
88	P.C.C. CURB, TYPE 2	30'
133	P.C.C. CURB AND GUTTER, TYPE 1-8	54'



DRAINAGE PIPE SCHEDULE

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INVERT EL.	DIS. EL.
209	33" RCP	IV	48'	0.0035	11.07'	10.90'
210	15" RCP	IV	55'	0.0033	11.41'	11.23'
211	15" RCP	IV	104'	0.0033	11.75'	11.41'
212	15" RCP	IV	104'	0.0033	12.09'	11.75'
213	15" RCP	IV	104'	0.0033	12.43'	12.09'
214	15" RCP	IV	5'	0.0040	11.80'	11.78'
215	15" RCP	IV	128'	0.0033	12.22'	11.80'
216	15" RCP	IV	128'	0.0033	12.64'	12.22'
217	15" RCP	IV	80'	0.0033	12.90'	12.64'
218	30" RCP	IV	35'	0.0043	11.50'	11.35'
219	18" RCP	IV	26'	0.0058	12.35'	12.20'
220	15" RCP	IV	15'	0.0405	12.93'	12.35'
222	15" RCP	IV	70'	0.0033	11.84'	11.61'
223	15" RCP	IV	104'	0.0033	12.18'	11.84'
224	15" RCP	IV	96'	0.0033	12.50'	12.18'
225	15" RCP	IV	80'	0.0033	12.64'	12.50'
280	36" RCP	IV	96'	0.0063	7.30'	6.70'
295	15" RCP	IV	48'	0.0033	13.17'	13.01'
296	15" RCP	IV	24'	0.0033	13.01'	12.93'
330	15" RCP	IV	180'	0.0026	13.10'	12.64'
335	15" RCP	IV	46'	0.0035	11.23'	11.07'
336	15" RCP	IV	31'	0.0035	11.61'	11.50'

DRAINAGE INLET SCHEDULE

NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.
207***	782+00.63	*	48" X 30"	1	**	11.07'
208	783+08.21	*	48" X 30"	2	**	11.41'
209	784+16.41	*	34" X 24"	2	**	11.75'
210	785+24.75	*	34" X 24"	2	**	12.09'
211	786+33.12	*	34" X 24"	2	**	12.43'
212	883+44.99	*	34" X 24"	2	**	11.80'
213	884+76.29	*	34" X 24"	2	**	12.22'
214	886+07.68	*	34" X 24"	2	**	12.64'
215	886+91.68	*	34" X 24"	2	**	12.90'
216***	782+00.59	*	48" X 30"	4	**	11.50'
217***	783+08.37	*	34" X 24"	4	**	11.84'
218***	784+16.11	*	34" X 24"	4	**	12.18'
219***	785+15.82	*	34" X 24"	4	**	12.50'
220***	785+99.62	*	34" X 24"	4	**	12.64'
221	965+62.04	*	48" X 30"	4	**	12.35'
287	966+40.45	40.01'	34" X 24"	1	16.20'	13.17'
288	965+88.49	38.47'	34" X 24"	1	15.50'	13.01'
319***	787+83.95	*	34" X 24"	4	**	13.10'
320	965+61.48	33.35'	48" X 30"	2	16.87'	12.93'
326***	782+49.68	*	48" X 30"	2	**	11.23'
327***	782+34.56	*	34" X 24"	2	**	11.61'

* - MATCH FLOWLINE OF PROPOSED BARRIER/CURB AND GUTTER
** - MATCH PROPOSED BARRIER/CURBLINE
*** - PAID FOR UNDER DI SPECIAL 602012 (SEE DETAIL)

RIPRAP SCHEDULE

NO.	TYPE	AREA (SY)
30	R-4	25
38	R-4	12

RIGHT-OF-WAY MONUMENT SCHEDULE

NO.	TYPE	STATION	OFFSET	NORTHING	EASTING
35	CONCRETE	969+85.41	35.00	276715.4057	717650.0737
36	CONCRETE	888+01.16	-284.70	276447.4389	717314.2424
66	CONCRETE	968+70.29	35.00	276650.5871	717747.1396

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

CONSTRUCTION PLAN

CP-15	
SECTION	PD
SHEET NO.	46

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DRAINAGE PIPE SCHEDULE

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INVERT EL.	DIS. EL.
331	18" RCP	IV	4'	0.0225	6.87'	6.78'

DRAINAGE INLET SCHEDULE

NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.
320	790+54.36	-26.24'	48" X 30"	2	12.10'	6.78'

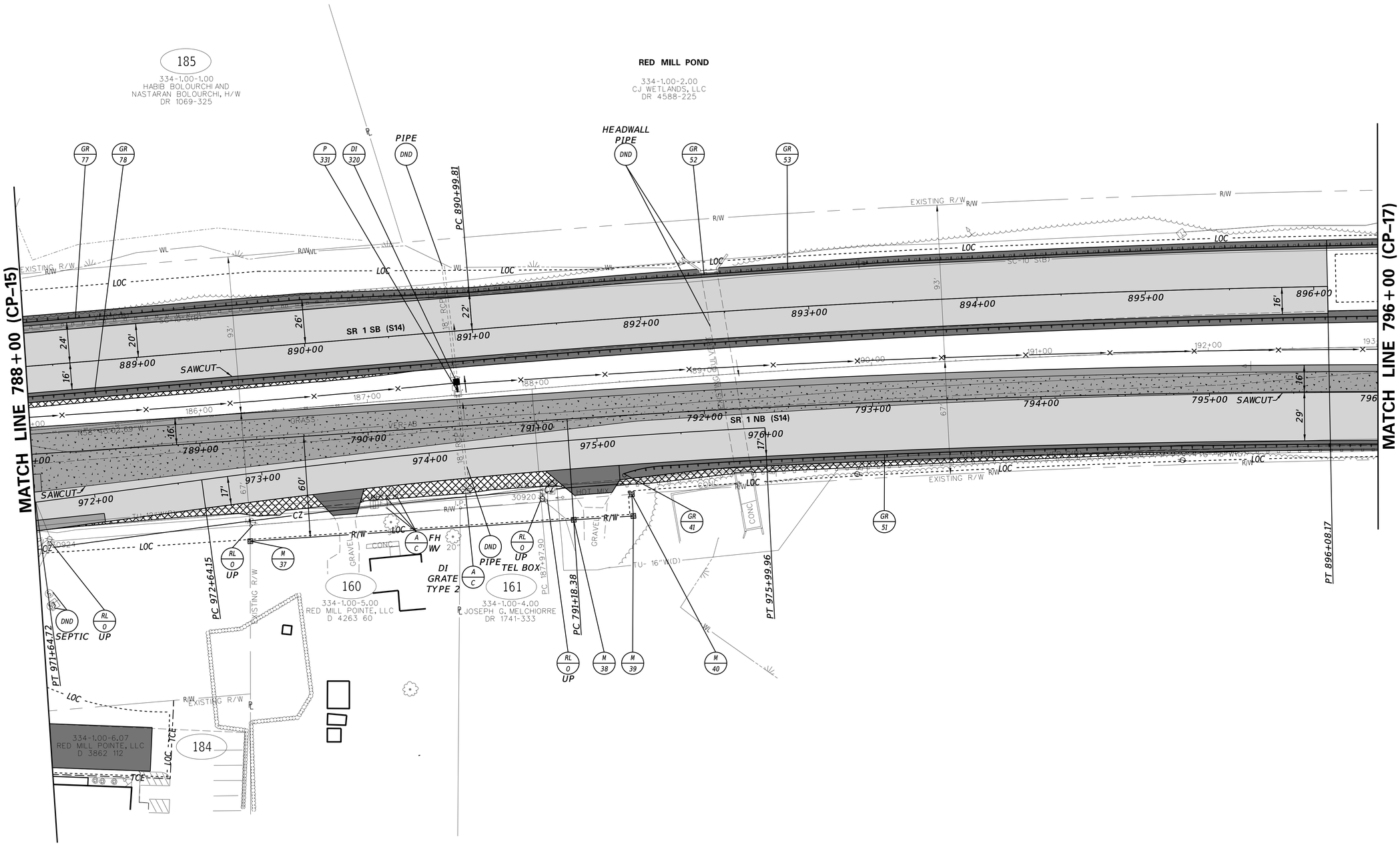
RIGHT-OF-WAY MONUMENT SCHEDULE

NO.	TYPE	STATION	OFFSET	NORTHING	EASTING
37	CONCRETE	789+26.01	60.00	276870.0122	717387.1836
38	CONCRETE	791+18.38	60.00	276972.5821	717224.4404
39	CONCRETE	791+54.14	60.00	276991.5671	717194.4762
40	CONCRETE	791+54.01	47.06	276980.5847	717187.6332

GUARDRAIL SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	BEGIN STA.	OFFSET	LENGTH
41	GUARDRAIL END TREATMENT, TYPE 2-31	791+49.84	++	50.00'
51	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	792+01.75	31.00'	397.53'
52	GUARDRAIL OVER CULVERTS, TYPE 2-31	892+20.40	-22.00'	50.00'
53	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	892+70.40	-22.00'	391.01'
77	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	888+34.10	-26.00'	401.96'
78	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	888+34.10	18.00'	802.77'

++ - AS PER STANDARD DETAIL



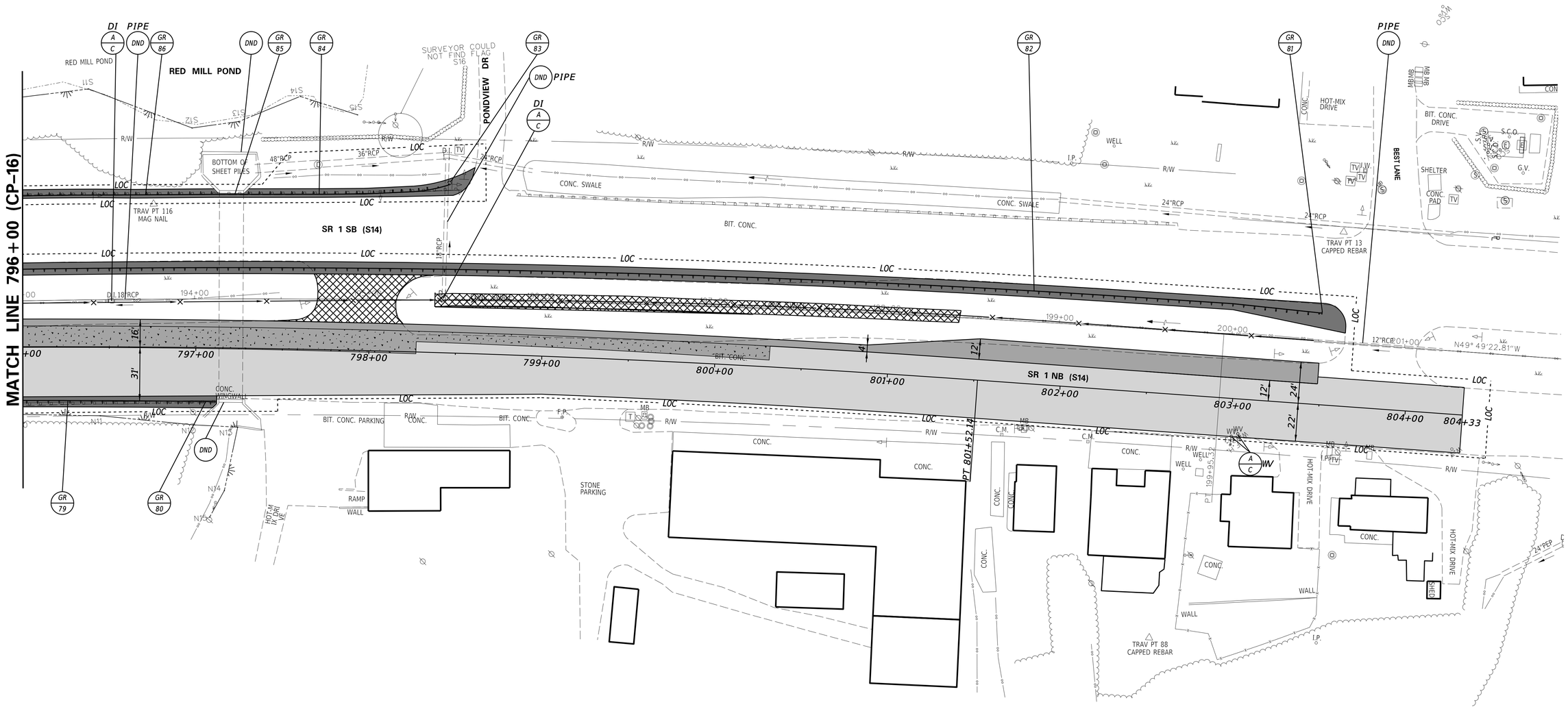
ADDENDA / REVISIONS	SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO. 3-719	CONSTRUCTION PLAN	CP-16
	0 30 60 90 FEET		T201612501	DESIGNED BY: N. RIGOLINO		SECTION PD
			COUNTY SUSSEX	CHECKED BY: B. BEHRENS		SHEET NO. 47

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GUARDRAIL SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	BEGIN STA.	OFFSET	LENGTH
79	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	796+00.00	31.00'	89.95'
80	BARRIER CONNECTION, APPROACH TYPE 3-31	796+09.67	+++	22.00'
81	GUARDRAIL END TREATMENT, TYPE 1-31	802+96.35	++	50.00'
82	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	796+00.00	VARIES	700.03'
83	GUARDRAIL END TREATMENT, TYPE 2-31	797+94.33	-90.36'	50.00'
84	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	797+60.05	-88.84'	66.31'
85	GUARDRAIL OVER CULVERTS, TYPE 2-31	797+10.05	-88.55'	50.00'
86	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31	796+00.00	-87.02'	111.35'

++ - AS PER STANDARD DETAIL
+++ - TIE INTO EXISTING WINGWALL



ADDENDA / REVISIONS		SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO. 3-719	CONSTRUCTION PLAN	CP-17
		0 30 60 90 FEET		T201612501	DESIGNED BY: N. RIGOLINO		SECTION PD
				COUNTY SUSSEX	CHECKED BY: B. BEHRENS		SHEET NO. 48

DRAINAGE PIPE SCHEDULE

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INVERT EL.	DIS. EL.
226	15" RCP	IV	128'	0.0035	14.40'	13.95'
227	30" RCP	IV	96'	0.0040	9.34'	8.96'
228	30" RCP	IV	80'	0.0035	9.62'	9.34'
229	30" RCP	IV	128'	0.0036	10.08'	9.62'
230	30" RCP	IV	160'	0.0036	10.66'	10.08'
231	27" RCP	IV	80'	0.0038	10.96'	10.66'
232	27" RCP	IV	99'	0.0035	11.76'	11.41'
233	30" RCP	IV	38'	0.0037	8.96'	8.82'
234	33" RCP	IV	133'	0.0059	8.82'	8.42'
235	18" RCP	IV	160'	0.0047	16.15'	15.40'
236	15" RCP	IV	120'	0.0058	17.05'	16.35'
237	15" RCP	IV	88'	0.0057	17.75'	17.25'
238	15" RCP	IV	88'	0.0057	18.45'	17.95'
239	15" RCP	IV	84'	0.0078	19.30'	18.65'
240	15" RCP	IV	116'	0.0043	20.00'	19.50'
241	15" RCP	IV	33'	0.0052	20.37'	20.20'
298	15" RCP	IV	23'	0.0033	19.71'	19.63'
299	15" RCP	IV	25'	0.0033	19.63'	19.55'
300	15" RCP	IV	15'	0.0033	19.55'	19.50'
41	33" RCP	IV	34'	0.0033	8.42'	8.31'
332	27" RCP	IV	128'	0.0035	11.41'	10.96'

DRAINAGE INLET SCHEDULE

NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.
222	912+46.14	*	48" X 48"	4	**	8.54'
223	913+78.14	*	48" X 48"	4	**	8.96'
224	914+77.67	*	48" X 48"	4	**	9.34'
225	915+61.66	*	48" X 48"	4	**	9.62'
226	916+93.66	*	48" X 48"	4	**	10.08'
227	918+59.12	*	48" X 48"	4	**	10.66'
228	920+72.53	*	48" X 48"	4	**	11.41'
229	912+41.66	+	48" X 48"	4	**	8.42'
230	913+78.14	+	48" X 48"	4	**	8.82'
231	915+42.16	*	48" X 30"	4	**	16.15'
232	916+66.19	*	34" X 24"	4	**	17.05'
233	917+55.53	*	34" X 24"	4	**	17.75'
234	918+46.89	*	34" X 24"	4	**	18.45'
235	919+70.77	*	48" X 48"	4	**	19.30'
236	920+52.95	38.89'	34" X 24"	4	24.40'	20.00'
283	920+90.75	*	48" X 48"	4	**	20.37'
290	918+88.40	*	34" X 24"	4	**	19.71'
291	919+15.30	*	34" X 24"	4	**	19.63'
292	919+20.30	*	34" X 24"	4	**	19.55'
40	912+02.21	*	72" X 48"	1	**	8.31'
321	919+42.23	*	48" X 48"	4	**	10.96'

* - MATCH FLOWLINE OF PROPOSED CURB AND GUTTER
** - MATCH PROPOSED CURBLINE
\+ - ALIGN GRATE IN CURB AND GUTTER FLOW LINE
TURN INLET BOX TO HAVE COVER SLAB UNDER SIDEWALK

ROADWAY CORE SCHEDULE

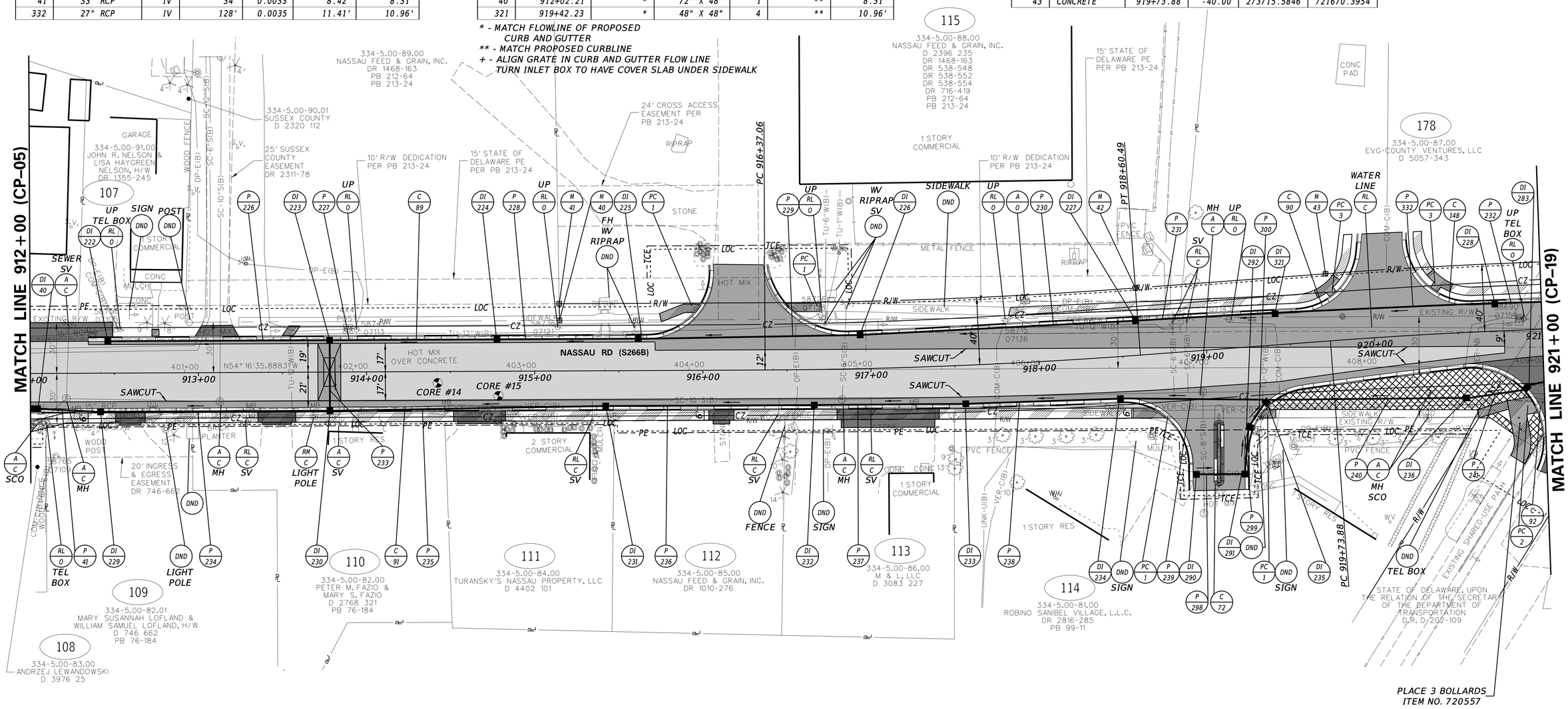
NO.	STATION	OFFSET	DESCRIPTION
14	914+42.25	6.75	8.5" HMA / 8" PCC
15	914+78.45	14.60	4" HMA / 8" CR

CURB SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
72	P.C.C. CURB, TYPE 2	106'
89	P.C.C. CURB AND GUTTER, TYPE 1-8	399'
90	P.C.C. CURB AND GUTTER, TYPE 1-8	407'
91	P.C.C. CURB AND GUTTER, TYPE 1-8	734'
92	P.C.C. CURB AND GUTTER, TYPE 1-8	272'
148	P.C.C. CURB AND GUTTER, TYPE 1-8	110'

RIGHT-OF-WAY MONUMENT SCHEDULE

NO.	TYPE	STATION	OFFSET	NORTHING	EASTING
40	CONCRETE	915+14.89	30.00	273470.2792	722055.3443
41	CONCRETE	915+14.76	-40.00	273462.0886	722049.6060
42	CONCRETE	918+60.49	-40.00	273655.9631	721766.8453
43	CONCRETE	919+73.88	-40.00	273715.5846	721670.3954



ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	CONSTRUCTION PLAN	CP-18
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SECTION PD
					CHECKED BY: B. BEHRENS		SHEET NO. 49

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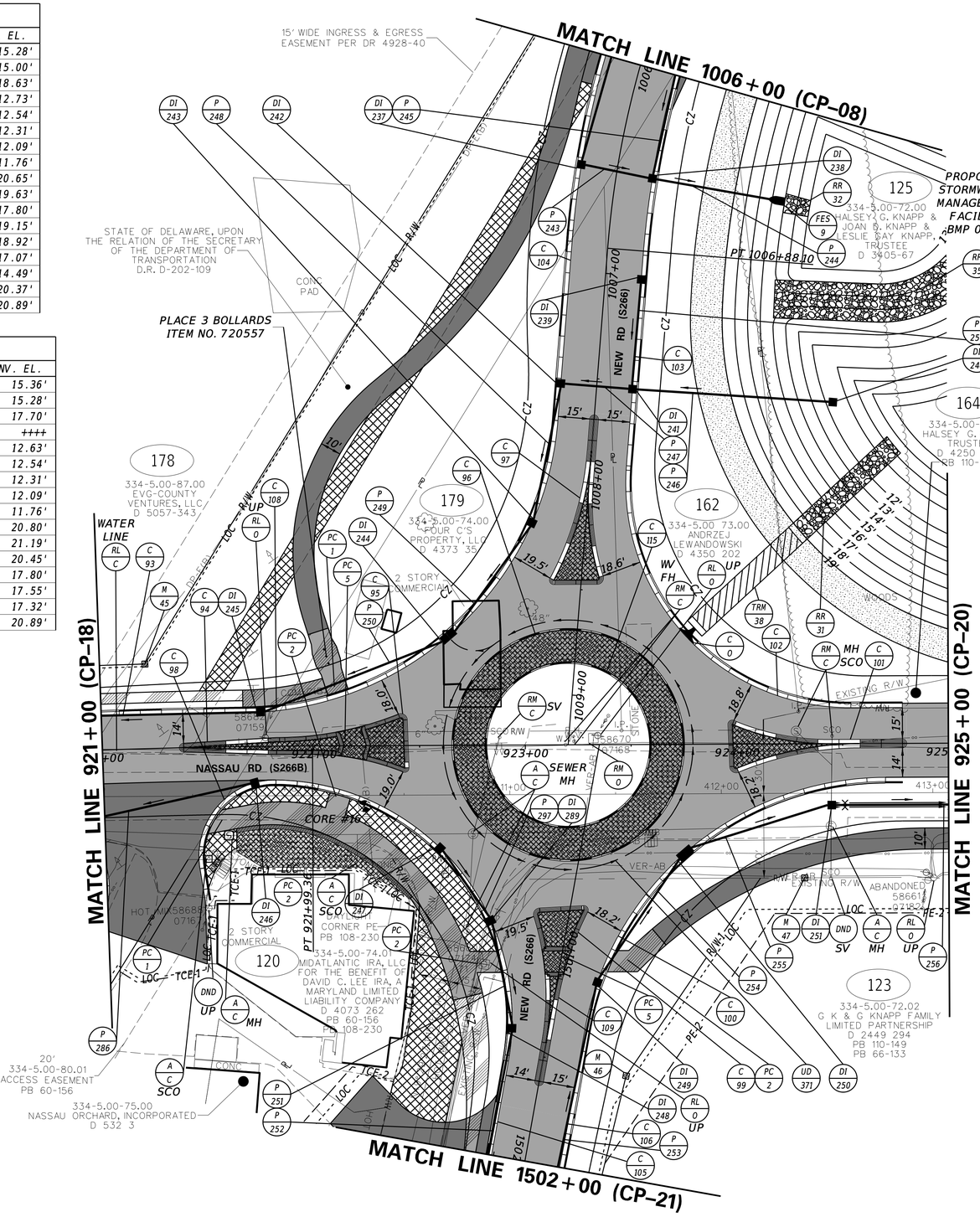
DRAINAGE PIPE SCHEDULE

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INVERT EL.	DIS. EL.
243	30" RCP	IV	27'	0.0030	15.36'	15.28'
244	30" RCP	IV	66'	0.0042	15.28'	15.00'
245	15" RCP	IV	50'	0.0045	18.85'	18.63'
246	24" RCP	IV	96'	0.0032	13.01'	12.73'
247	24" RCP	IV	26'	0.0036	12.63'	12.54'
248	24" RCP	IV	64'	0.0036	12.54'	12.31'
249	24" RCP	IV	62'	0.0036	12.31'	12.09'
250	27" RCP	IV	91'	0.0037	12.09'	11.76'
251	15" RCP	IV	40'	0.0061	20.89'	20.65'
252	15" RCP	IV	128'	0.0064	20.45'	19.63'
253	18" RCP	IV	160'	0.0037	18.40'	17.80'
254	18" RCP	IV	70'	0.0036	19.40'	19.15'
255	21" RCP	IV	68'	0.0034	19.15'	18.92'
256	21" RCP	IV	56'	0.0045	17.32'	17.07'
257	15" RCP	IV	48'	0.0044	14.70'	14.49'
286	15" RCP	IV	76'	0.0056	20.80'	20.37'
297	15" RCP	IV	38'	0.0061	21.19'	20.89'

DRAINAGE INLET SCHEDULE

NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.
237	1006+51.00	*	48" X 48"	4	**	15.36'
238	1006+52.15	*	48" X 30"	4	**	15.28'
239	1007+01.55	*	34" X 24"	4	**	17.70'
240	1007+52.19	-111.89	++++	++++	++++	++++
241	1007+55.54	*	48" X 30"	4	**	12.63'
242	1007+53.54	*	48" X 48"	4	**	12.54'
243	1008+20.32	*	48" X 48"	4	**	12.31'
244	1008+78.23	*	72" X 48"	4	**	12.09'
245	921+74.86	*	48" X 48"	4	**	11.76'
246	921+72.29	*	34" X 24"	4	**	20.80'
247	922+59.48	*	48" X 30"	4	**	21.19'
248	1501+39.22	*	48" X 30"	4	**	20.45'
249	1501+10.77	*	48" X 30"	4	**	17.80'
250	1500+42.02	*	72" X 48"	4	**	17.55'
251	924+44.74	29.00'	48" X 30"	4	22.75'	17.32'
289	1500+90.85	*	48" X 30"	4	**	20.89'

* - MATCH FLOWLINE OF PROPOSED CURB AND GUTTER
** - MATCH PROPOSED CURBLINE
++++ - SEE STORMWATER MANAGEMENT PLAN



ROADWAY CORE SCHEDULE

NO.	STATION	OFFSET	DESCRIPTION
16	922+23.86	28.57	2.25" HMA / 9.25" PCC

CURB SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
93	P.C.C. CURB AND GUTTER, TYPE 1-8	39'
94	P.C.C. CURB, TYPE 2 ROUNDABOUT	166'
95	P.C.C. CURB, TYPE 2 ROUNDABOUT	86'
96	P.C.C. CURB, TYPE 1-2 ROUNDABOUT	346'
97	P.C.C. CURB, TYPE 2 ROUNDABOUT	191'
98	P.C.C. CURB AND GUTTER, TYPE 1-4	269'
99	P.C.C. CURB, TYPE 2 ROUNDABOUT	82'
100	P.C.C. CURB AND GUTTER, TYPE 1-4	238'
101	P.C.C. CURB, TYPE 2 ROUNDABOUT	197'
102	P.C.C. CURB AND GUTTER, TYPE 1-4	221'
103	P.C.C. CURB AND GUTTER, TYPE 1-8	166'
104	P.C.C. CURB AND GUTTER, TYPE 1-8	185'
105	P.C.C. CURB AND GUTTER, TYPE 1-8	39'
106	P.C.C. CURB AND GUTTER, TYPE 1-8	25'
108	P.C.C. CURB AND GUTTER, TYPE 1-4	254'
109	P.C.C. CURB, TYPE 2 ROUNDABOUT	119'
115	P.C.C. CURB, TYPE 1-8	248'

FLARED END SECTION SCHEDULE

NO.	SIZE / TYPE	SLOPE	SAFETY GRATE
9	30" RCP	0.0042	NO

RIGHT-OF-WAY MONUMENT SCHEDULE

NO.	TYPE	STATION	OFFSET	NORTHING	EASTING
45	CONCRETE	921+21.23	-40.00	273796.9244	721545.3432
46	CONCRETE	1501+51.90	-40.00	274088.1734	721475.7192
47	CONCRETE	924+31.77	63.36	274062.0553	721352.3983

TURF REINFORCEMENT MATTING

NO.	TYPE	AREA (SY)
38	TYPE 1	70

RIPRAP SCHEDULE

NO.	TYPE	AREA (SY)
31	R-4	67
32	R-4	28
35	R-4	278

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ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

CONSTRUCTION PLAN

CP-19
SECTION PD
SHEET NO. 50

DRAINAGE PIPE SCHEDULE

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INVERT EL.	DIS. EL.
258	21" RCP	IV	144'	0.0036	17.07'	16.55'
259	21" RCP	IV	144'	0.0036	16.55'	16.03'
260	21" RCP	IV	144'	0.0035	16.03'	15.52'
261	24" RCP	IV	144'	0.0036	15.52'	15.00'
262	18" RCP	IV	32'	0.0025	20.55'	20.47'
263	27" RCP	IV	96'	0.0046	14.94'	14.50'
329	42" RCP	IV	146'	0.0021	14.67'	14.37'

DRAINAGE INLET SCHEDULE

NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.
252	925+04.64	29.00'	48" X 30"	4	22.10'	17.07'
253	926+52.87	29.00'	48" X 30"	4	21.67'	16.55'
254	928+01.63	29.00'	48" X 30"	4	21.15'	16.03'
255	929+49.78	29.00'	48" X 30"	4	20.81'	15.52'
280	930+97.99	28.86'	48" X 30"	4	20.30'	14.94'
318	932+95.09	65.73'	66" X 66"	4	20.21'	14.67'

* - MATCH FLOWLINE OF PROPOSED CURB AND GUTTER
** - MATCH PROPOSED CURBLINE

RIPRAP SCHEDULE

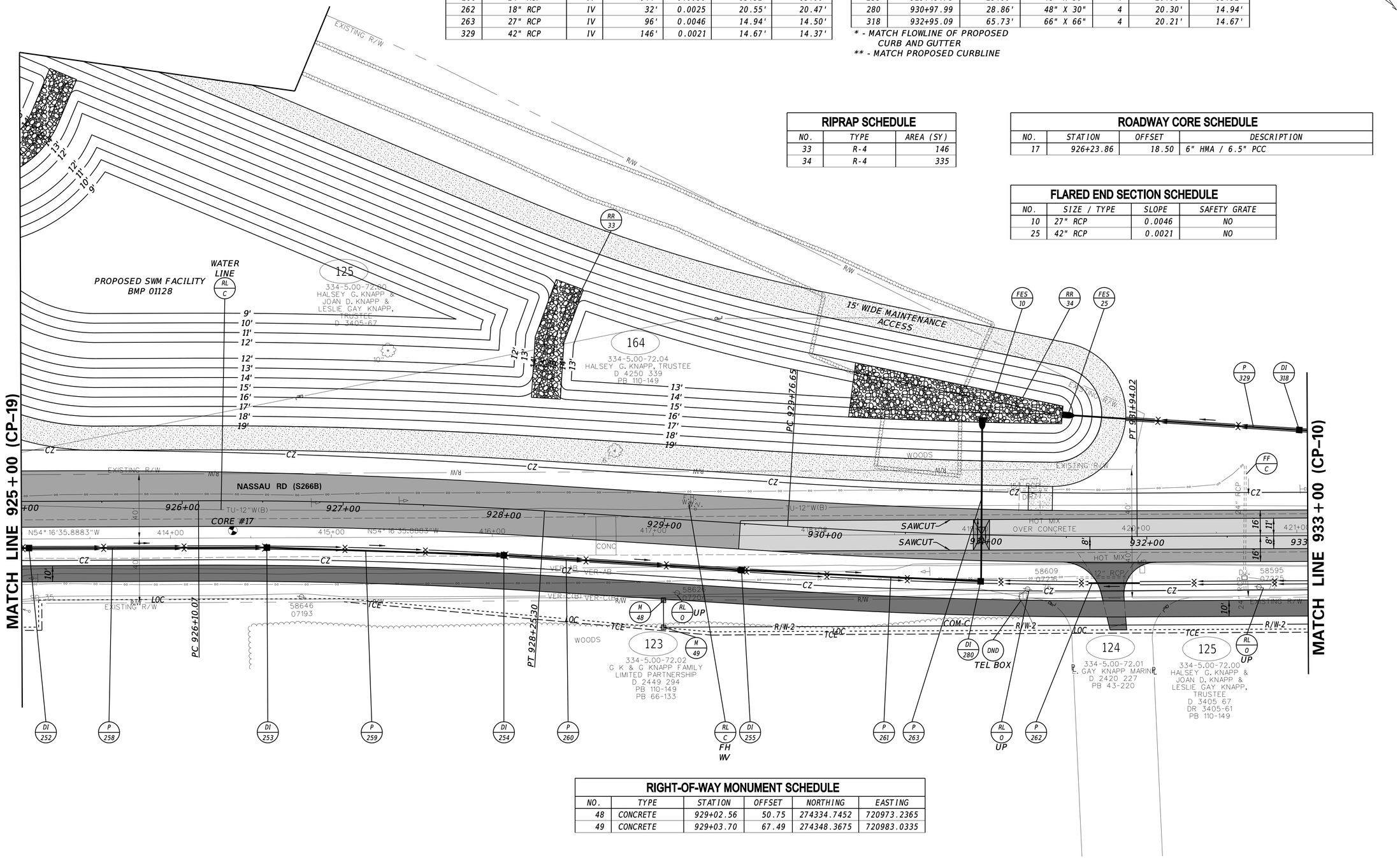
NO.	TYPE	AREA (SY)
33	R-4	146
34	R-4	335

ROADWAY CORE SCHEDULE

NO.	STATION	OFFSET	DESCRIPTION
17	926+23.86	18.50	6" HMA / 6.5" PCC

FLARED END SECTION SCHEDULE

NO.	SIZE / TYPE	SLOPE	SAFETY GRATE
10	27" RCP	0.0046	NO
25	42" RCP	0.0021	NO



RIGHT-OF-WAY MONUMENT SCHEDULE

NO.	TYPE	STATION	OFFSET	NORTHING	EASTING
48	CONCRETE	929+02.56	50.75	274334.7452	720973.2365
49	CONCRETE	929+03.70	67.49	274348.3675	720983.0335

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

CONSTRUCTION PLAN

CP-20
SECTION PD
SHEET NO. 51

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RIGHT-OF-WAY MONUMENT SCHEDULE

NO.	TYPE	STATION	OFFSET	NORTHING	EASTING
50	CONCRETE	1502+33.95	-35.00	274141.4181	721538.3526
51	CONCRETE	1503+12.41	-35.00	274193.7696	721606.7448
52	CONCRETE	1505+50.12	-35.00	274316.2324	721810.4741
53	CONCRETE	1506+66.17	-35.00	274380.5859	721899.8348
54	CONCRETE	1507+89.54	-35.00	274460.7273	721993.6379
55	CONCRETE	1505+06.31	40.00	274229.3803	721811.5635
56	CONCRETE	1505+50.12	40.00	274251.9518	721849.1135
57	CONCRETE	1506+66.17	40.00	274323.5632	721948.5525
58	CONCRETE	1509+14.93	40.00	274485.1529	722137.6885

JUNCTION BOX SCHEDULE

NO.	STATION	OFFSET	BOX SIZE	INVERT EL.
1	1504+62.28	21.25'	48" x 30"	19.10'

CURB SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
111	P.C.C. CURB AND GUTTER, TYPE 1-8	599'
112	P.C.C. CURB AND GUTTER, TYPE 1-8	564'

ROADWAY CORE SCHEDULE

NO.	STATION	OFFSET	DESCRIPTION
18	1502+67.83	62.70	6.5" HMA / 8" CR
19	1504+08.02	40.43	7" HMA

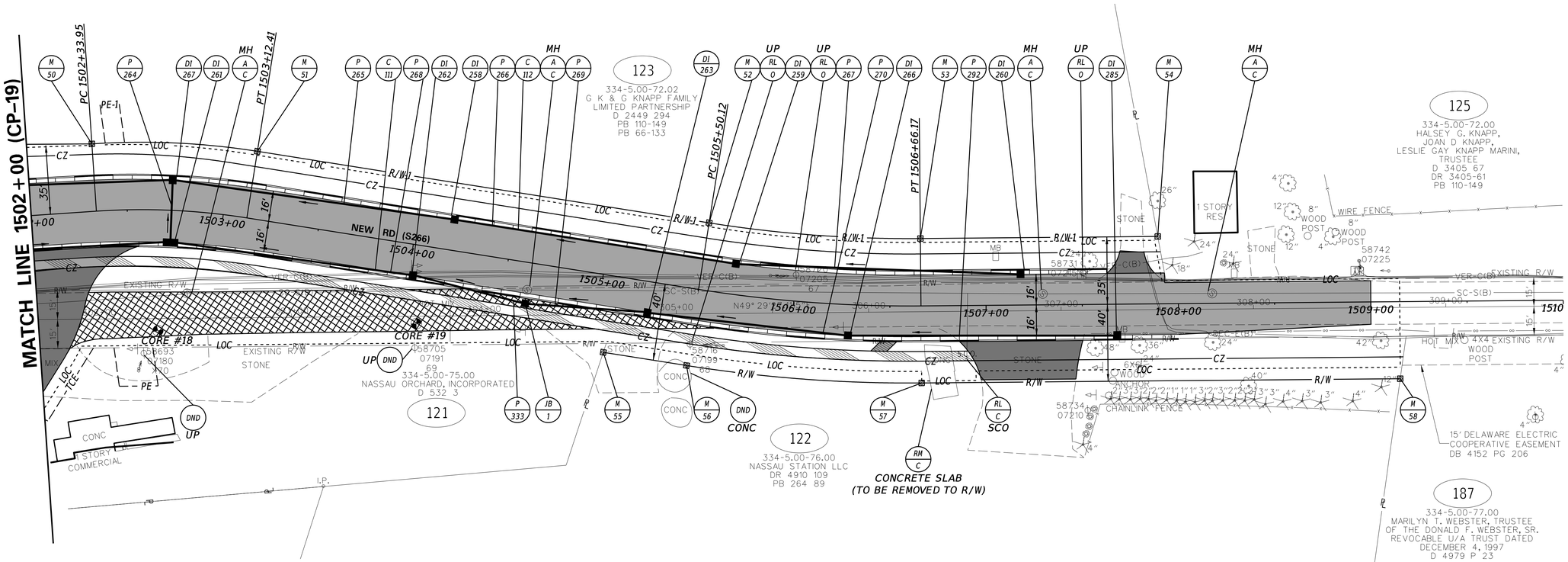
DRAINAGE PIPE SCHEDULE

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INVERT EL.	DIS. EL.
264	18" RCP	IV	31'	0.0032	18.50'	18.40'
265	15" RCP	IV	144'	0.0037	18.93'	18.40'
266	15" RCP	IV	144'	0.0041	19.72'	19.13'
267	15" RCP	IV	144'	0.0034	20.41'	19.92'
268	15" RCP	IV	120'	0.0033	18.90'	18.50'
269	15" RCP	IV	60'	0.0033	19.30'	19.10'
270	15" RCP	IV	100'	0.0035	19.65'	19.30'
292	15" RCP	IV	136'	0.0026	20.00'	19.65'
333	15" RCP	IV	56'	0.0036	19.10'	18.90'

DRAINAGE INLET SCHEDULE

NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.
258	1504+19.26	*	34" X 24"	4	**	18.93'
259	1505+67.66	*	34" X 24"	4	**	19.72'
260	1507+18.06	*	34" X 24"	4	**	20.41'
261	1502+73.20	*	72" X 48"	1	**	18.50'
262	1504+02.32	*	34" X 24"	4	**	18.90'
263	1505+25.71	*	34" X 24"	4	**	19.30'
266	1506+28.93	*	34" X 24"	4	**	19.65'
267	1502+72.96	*	48" X 30"	4	**	18.40'
285	1507+68.06	*	34" X 24"	4	**	20.00'

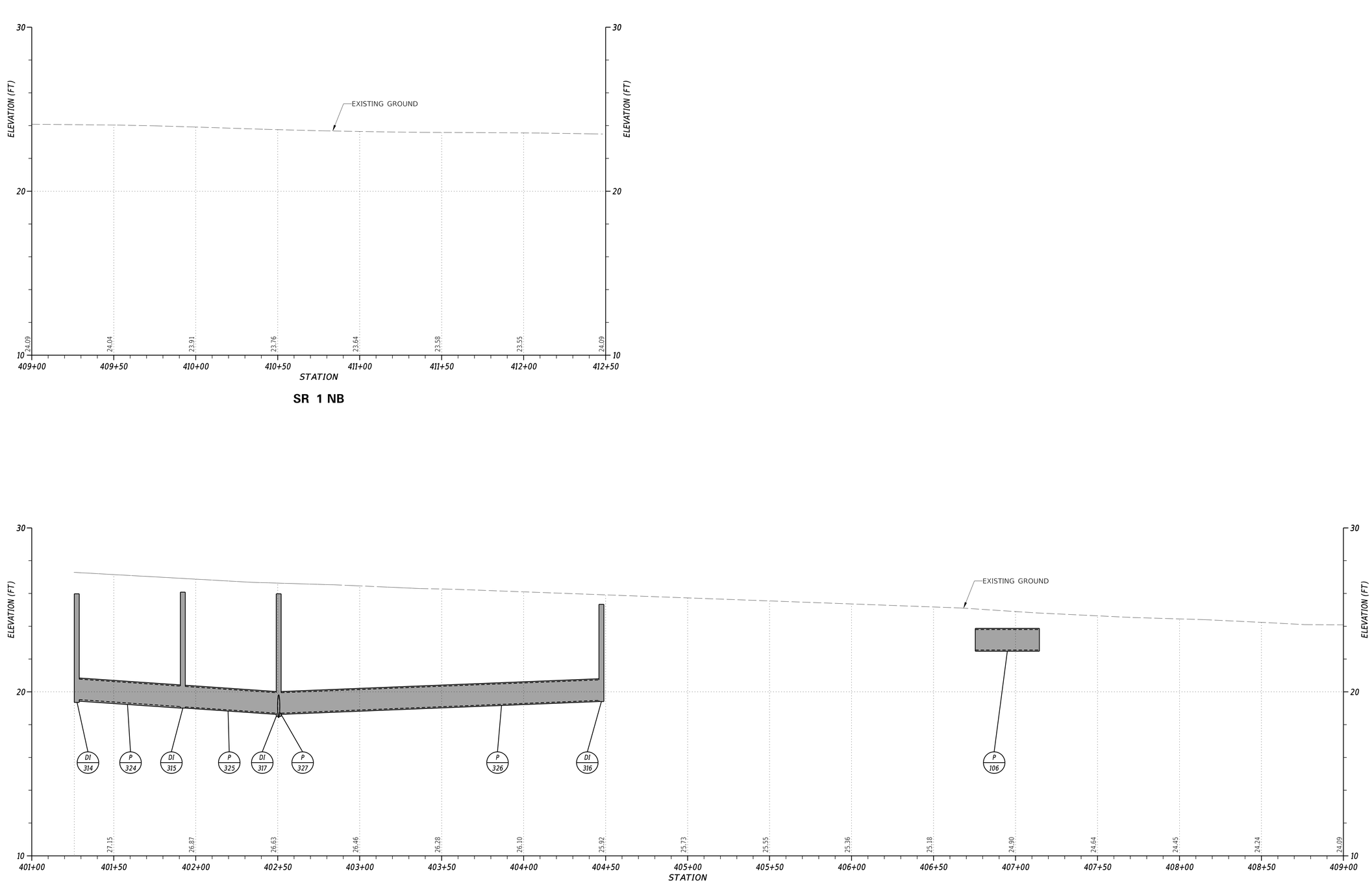
* - MATCH FLOWLINE OF PROPOSED CURB AND GUTTER
** - MATCH PROPOSED CURBLINE



21-AUG-2024
12:41
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ADDENDA / REVISIONS	SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO.	X	CONSTRUCTION PLAN	CP-21
	0 30 60 90 FEET		T201612501	DESIGNED BY: N. RIGOLINO			SECTION PD
			COUNTY SUSSEX	CHECKED BY: B. BEHRENS			SHEET NO. 52

SR 1 NB



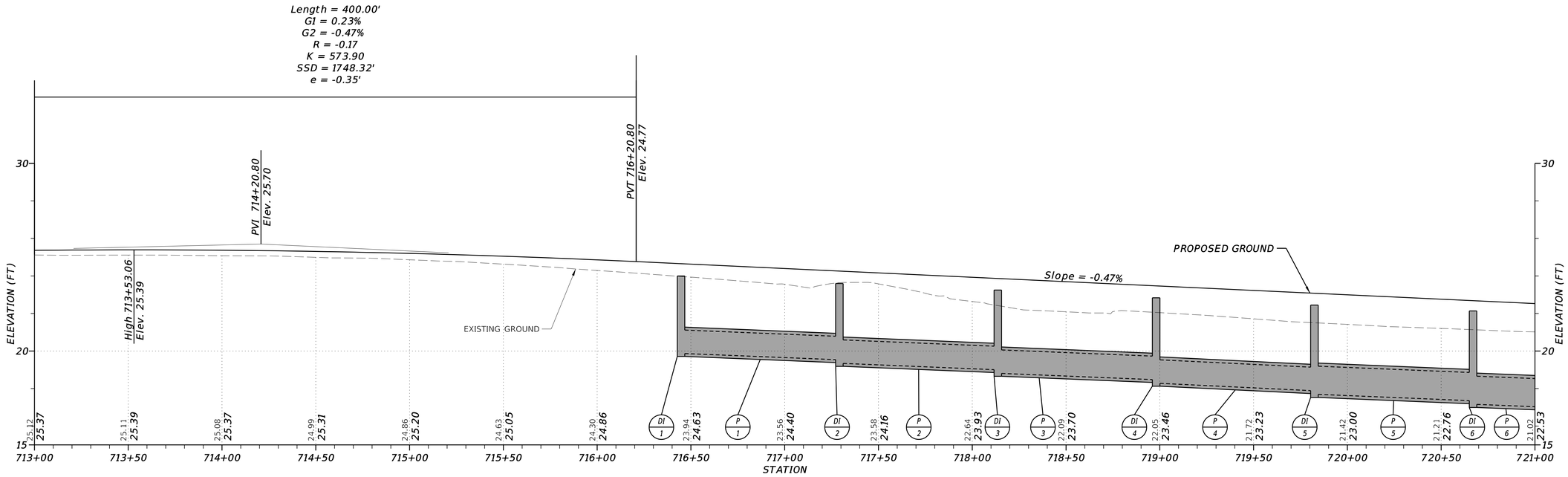
SR 1 NB

NOTE: THE BORING DATA PROVIDED ON THE PROFILE SHEETS INDICATES THE SOIL CONDITION ONLY AT THE SPECIFIC LOCATION EACH BORING WAS PERFORMED AND ONLY TO THE DEPTH PENETRATED.

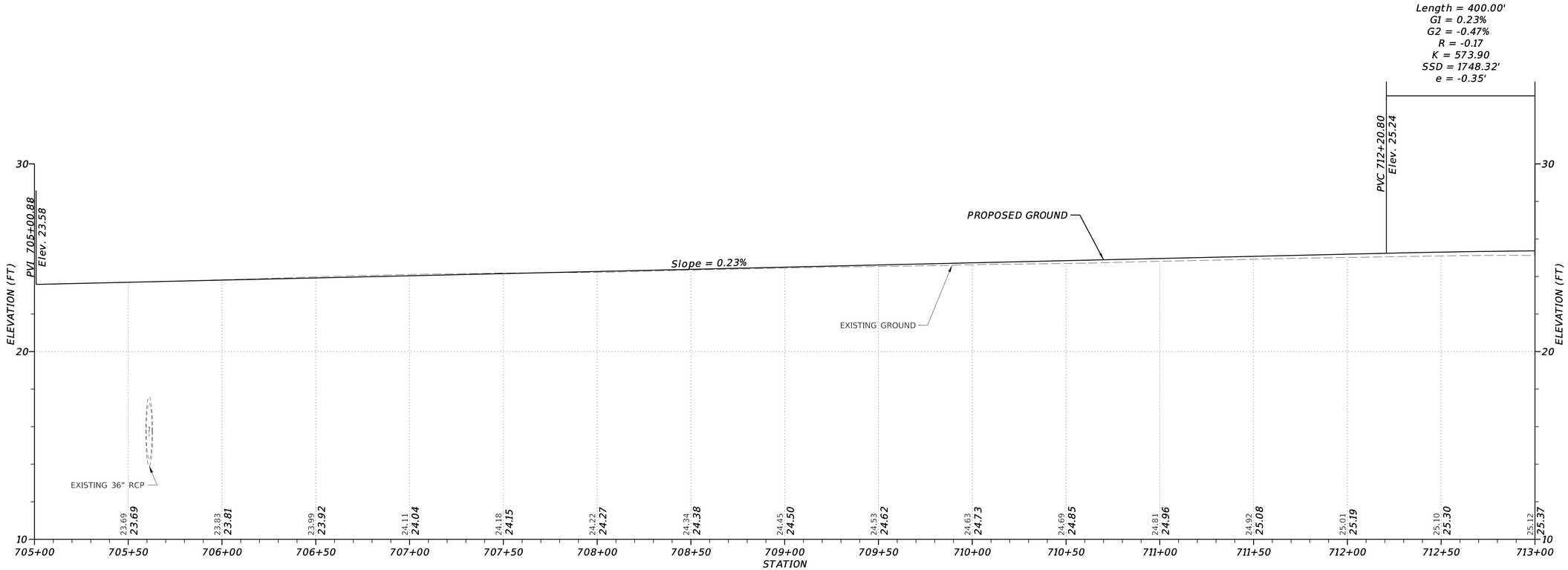
VERTICAL SCALE FEET 0 3 6 9

ADDENDA / REVISIONS	SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	PROFILES	SECTION PD
			COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SHEET NO. 53
				CHECKED BY: B. BEHRENS		

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SR 1 NB



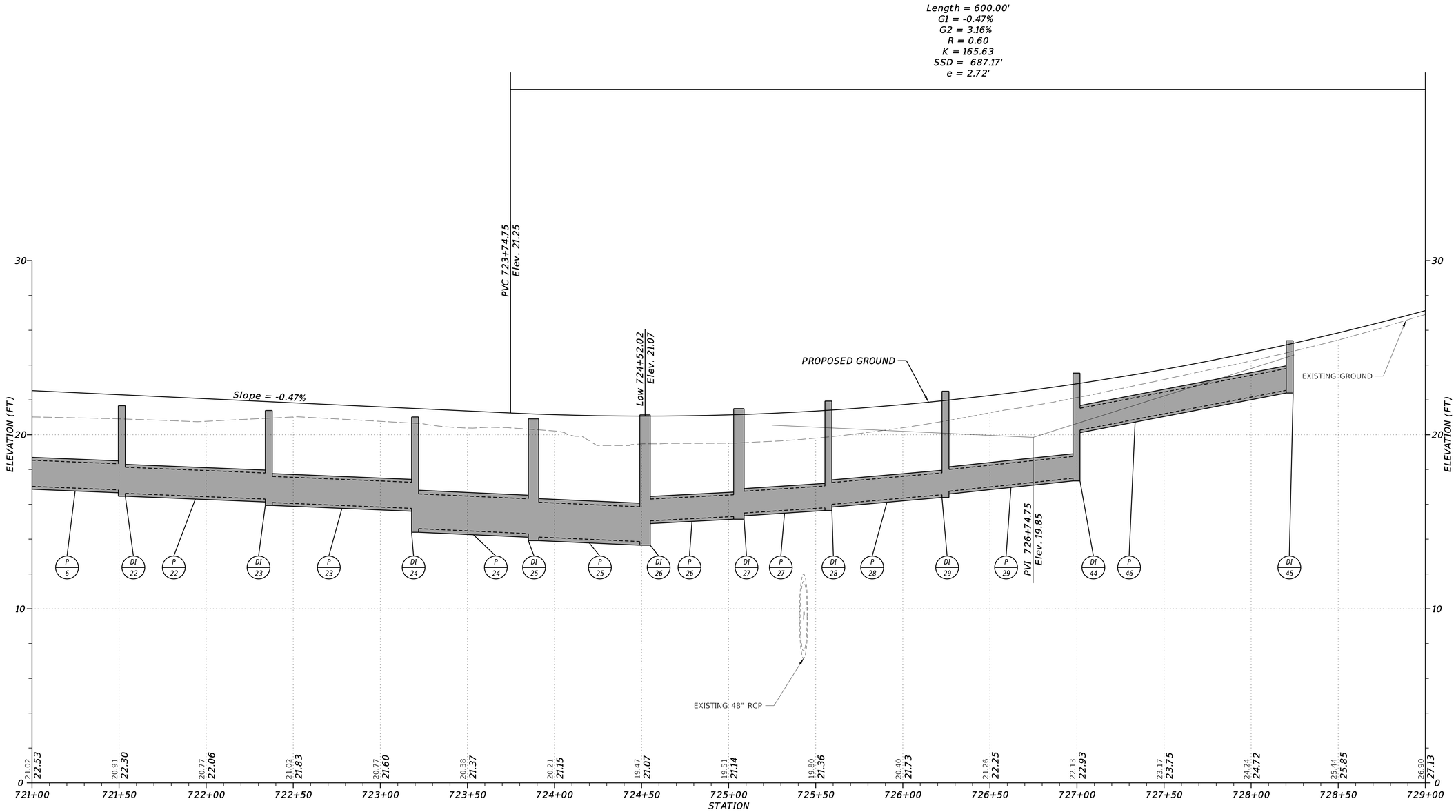
SR 1 NB

NOTE: THE BORING DATA PROVIDED ON THE PROFILE SHEETS INDICATES THE SOIL CONDITION ONLY AT THE SPECIFIC LOCATION EACH BORING WAS PERFORMED AND ONLY TO THE DEPTH PENETRATED.

VERTICAL SCALE FEET 0 3 6 9

ADDENDA / REVISIONS	SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	PROFILES	SECTION PD
			COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SHEET NO. 54
				CHECKED BY: B. BEHRENS		

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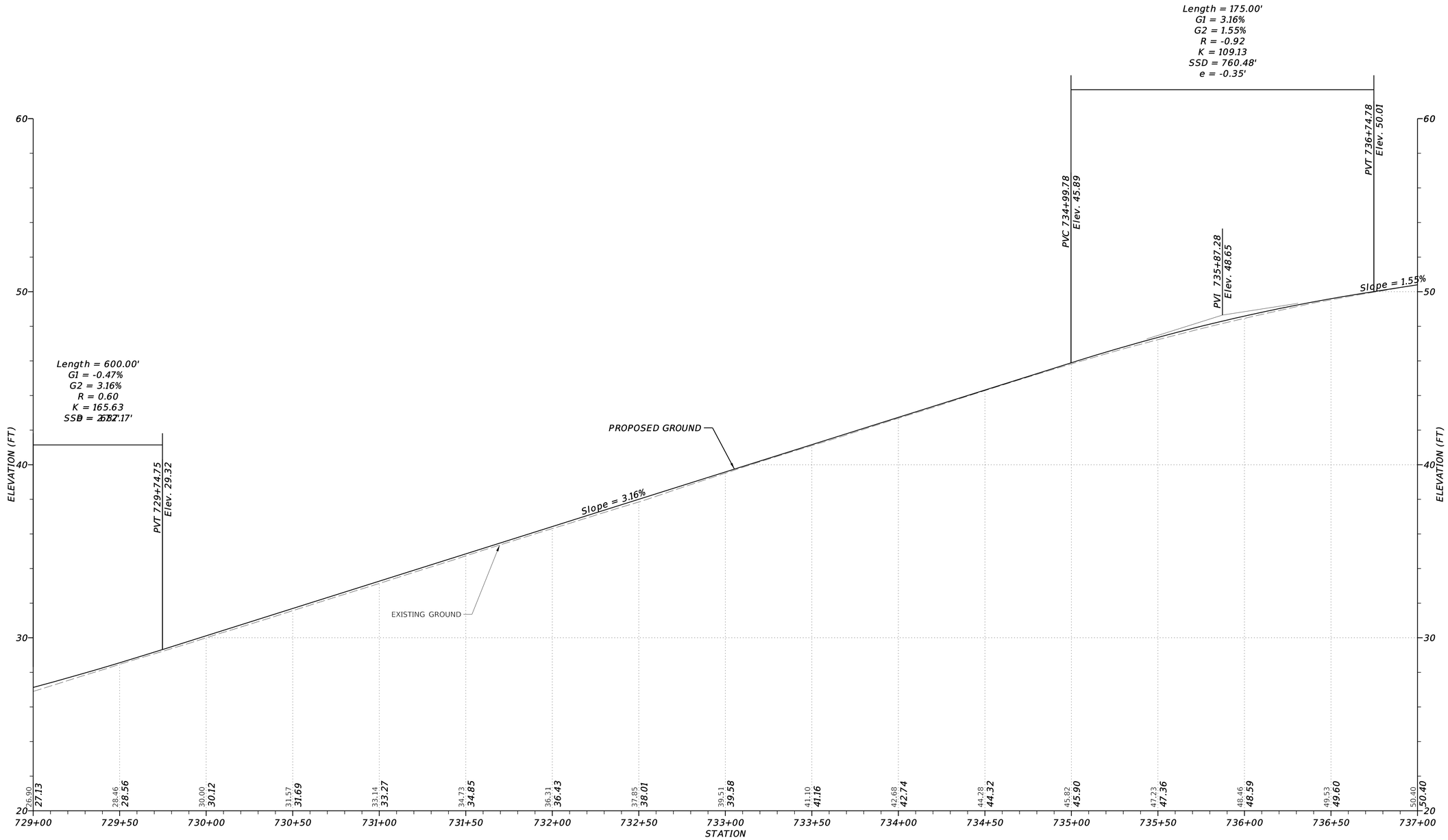
SR 1 NB

NOTE: THE BORING DATA PROVIDED ON THE PROFILE SHEETS INDICATES THE SOIL CONDITION ONLY AT THE SPECIFIC LOCATION EACH BORING WAS PERFORMED AND ONLY TO THE DEPTH PENETRATED.

VERTICAL SCALE FEET 0 3 6 9

ADDENDA / REVISIONS	SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO. X	PROFILES	SECTION
	0 30 60 90 FEET		T201612501	DESIGNED BY: N. RIGOLINO		PD
			COUNTY	CHECKED BY: B. BEHRENS		SHEET NO.
			SUSSEX			55

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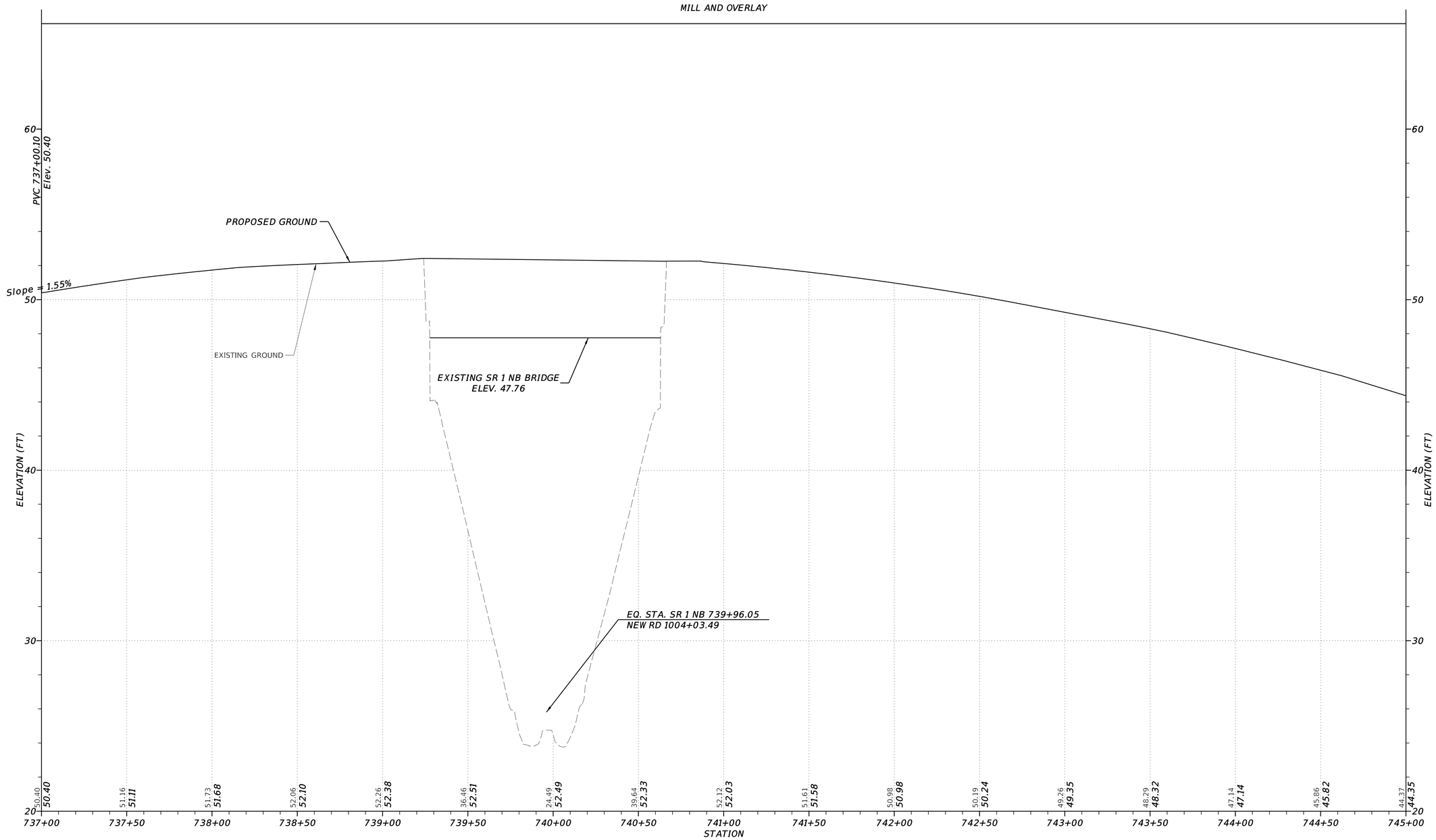
SR 1 NB

NOTE: THE BORING DATA PROVIDED ON THE PROFILE SHEETS INDICATES THE SOIL CONDITION ONLY AT THE SPECIFIC LOCATION EACH BORING WAS PERFORMED AND ONLY TO THE DEPTH PENETRATED.

VERTICAL SCALE FEET: 0, 3, 6, 9

ADDENDA / REVISIONS		SCALE: 0, 30, 60, 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT: T201612501	BRIDGE NO.: X	PROFILES	SECTION: PD
				COUNTY: SUSSEX	DESIGNED BY: N. RIGOLINO		SHEET NO.: 56
					CHECKED BY: B. BEHRENS		

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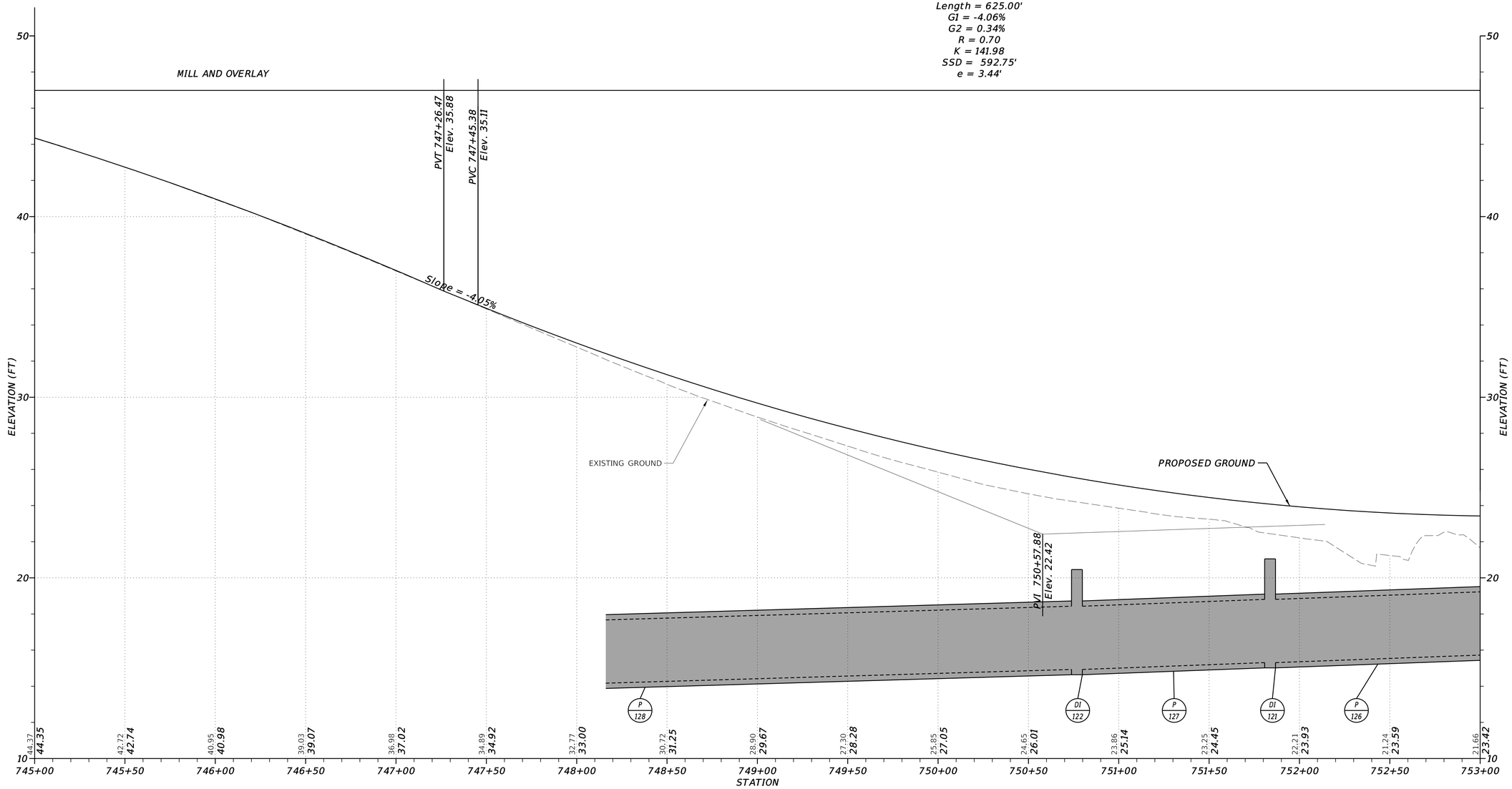
SR 1 NB

NOTE: THE BORING DATA PROVIDED ON THE PROFILE SHEETS INDICATES THE SOIL CONDITION ONLY AT THE SPECIFIC LOCATION EACH BORING WAS PERFORMED AND ONLY TO THE DEPTH PENETRATED.

VERTICAL SCALE FEET: 0, 3, 6, 9

ADDENDA / REVISIONS		SCALE: 0, 30, 60, 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT: T201612501	BRIDGE NO.: X	PROFILES	SECTION: PD
				COUNTY: SUSSEX	DESIGNED BY: N. RIGOLINO		SHEET NO.: 57
					CHECKED BY: B. BEHRENS		

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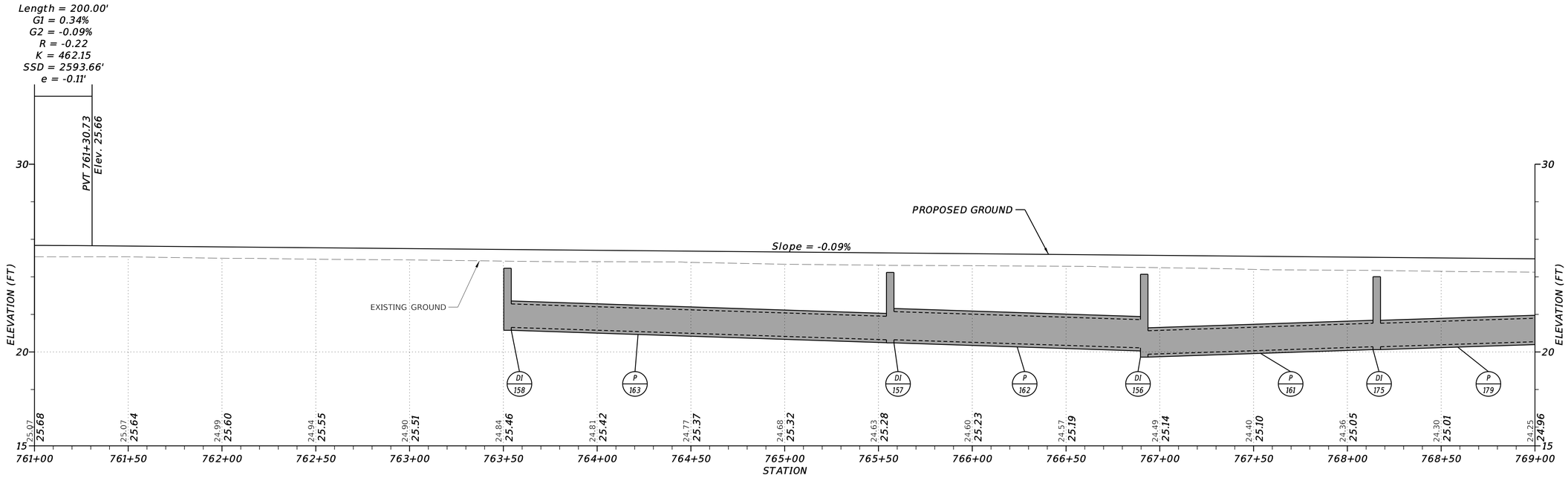
SR 1 NB

NOTE: THE BORING DATA PROVIDED ON THE PROFILE SHEETS INDICATES THE SOIL CONDITION ONLY AT THE SPECIFIC LOCATION EACH BORING WAS PERFORMED AND ONLY TO THE DEPTH PENETRATED.

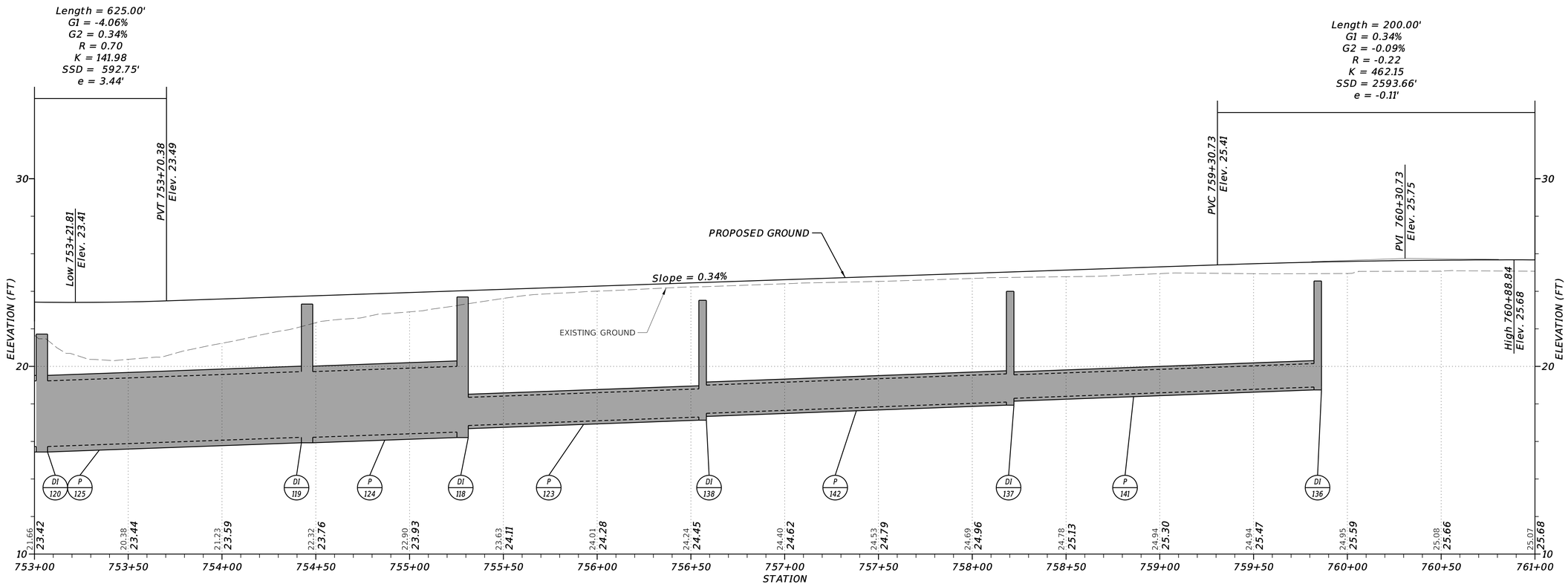
VERTICAL SCALE FEET 0 3 6 9

ADDENDA / REVISIONS	SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO. X	PROFILES	SECTION
	0 30 60 90 FEET		T201612501	DESIGNED BY: N. RIGOLINO		PD
			COUNTY	CHECKED BY: B. BEHRENS		SHEET NO.
			SUSSEX			58

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SR 1 NB



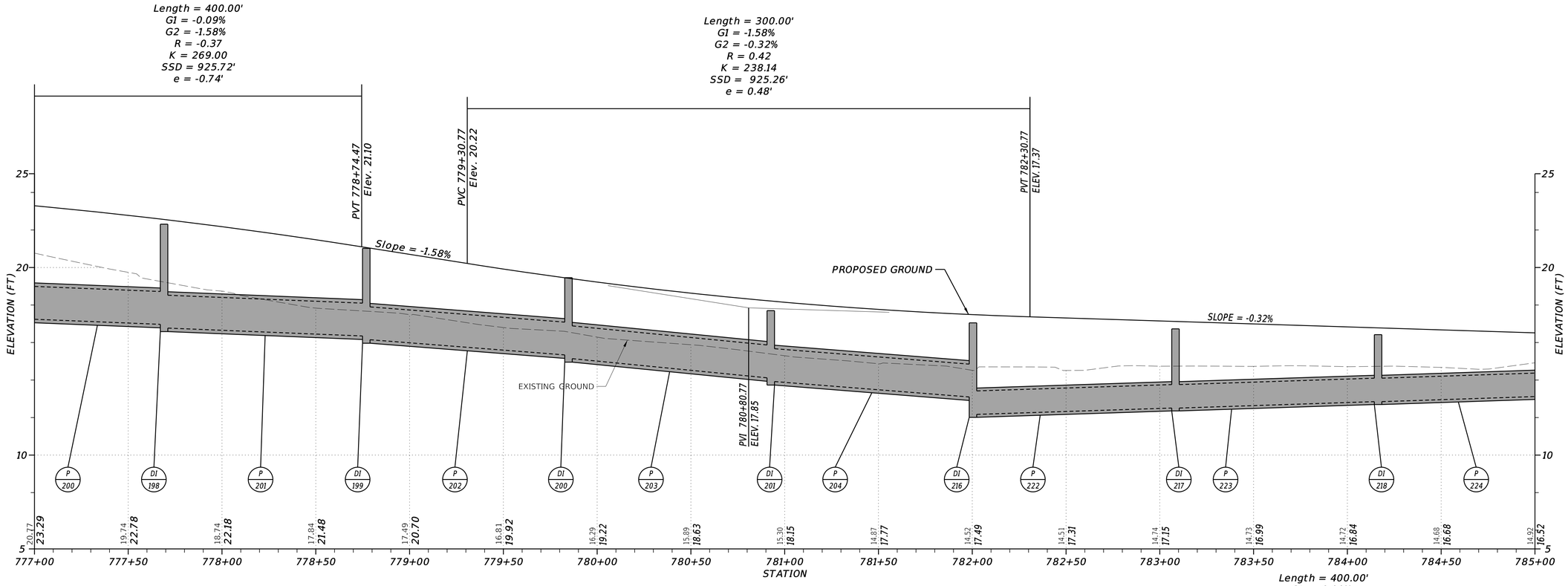
SR 1 NB

NOTE: THE BORING DATA PROVIDED ON THE PROFILE SHEETS INDICATES THE SOIL CONDITION ONLY AT THE SPECIFIC LOCATION EACH BORING WAS PERFORMED AND ONLY TO THE DEPTH PENETRATED.

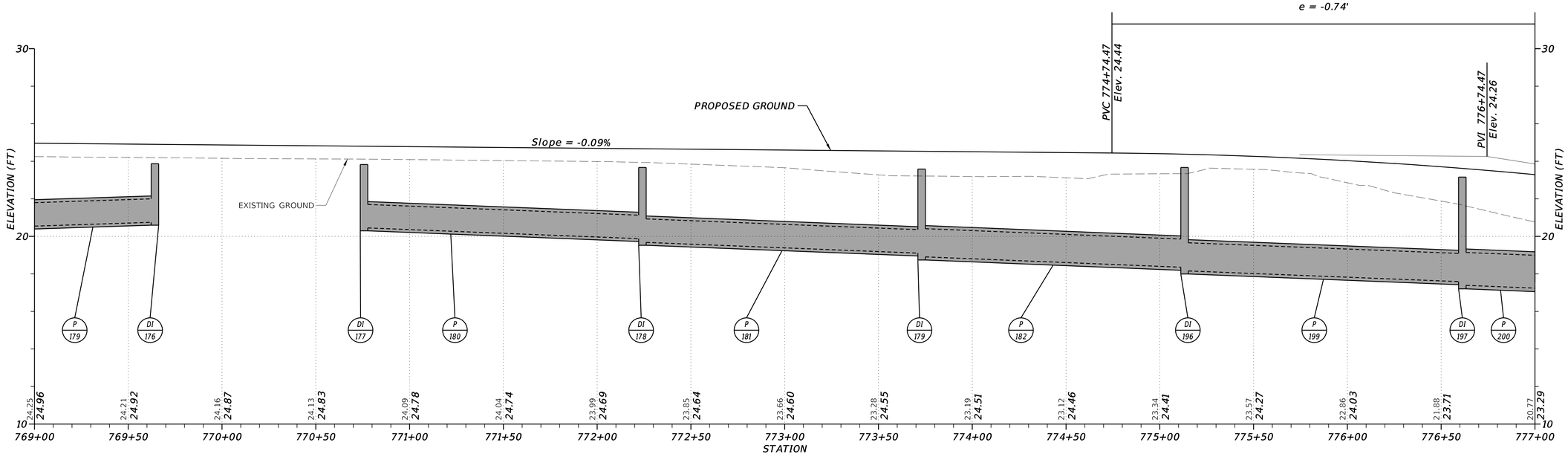
VERTICAL SCALE FEET 0 3 6 9

ADDENDA / REVISIONS	SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	PROFILES	SECTION PD
			COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SHEET NO. 59
				CHECKED BY: B. BEHRENS		

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SR 1 NB



SR 1 NB

NOTE: THE BORING DATA PROVIDED ON THE PROFILE SHEETS INDICATES THE SOIL CONDITION ONLY AT THE SPECIFIC LOCATION EACH BORING WAS PERFORMED AND ONLY TO THE DEPTH PENETRATED.

ADDENDA / REVISIONS	

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

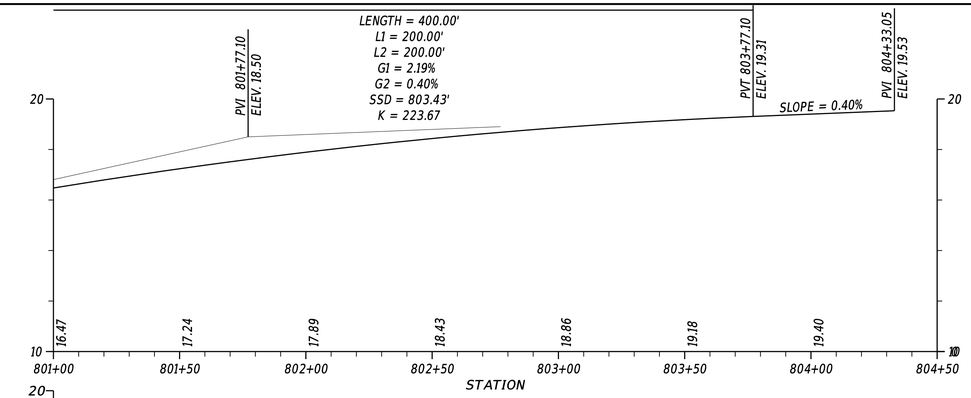
CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

PROFILES

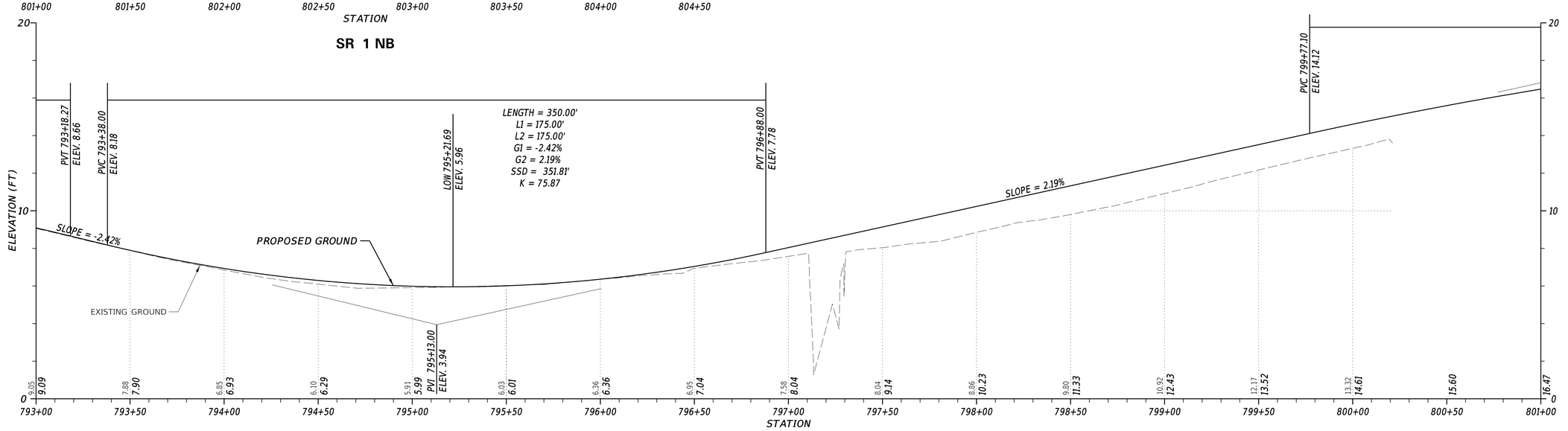
SECTION
PD
SHEET NO.
60

VERTICAL SCALE FEET
9 6 3 0

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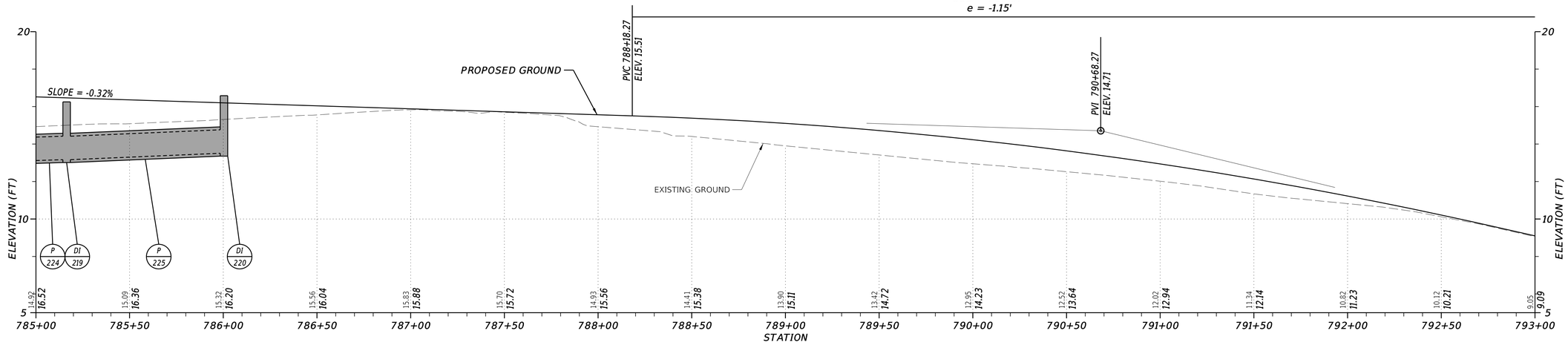


SR 1 NB



SR 1 NB

Length = 500.00'
G1 = -0.32%
G2 = -2.42%
R = -0.37
K = 237.72
SSD = 763.07'
e = -1.15'



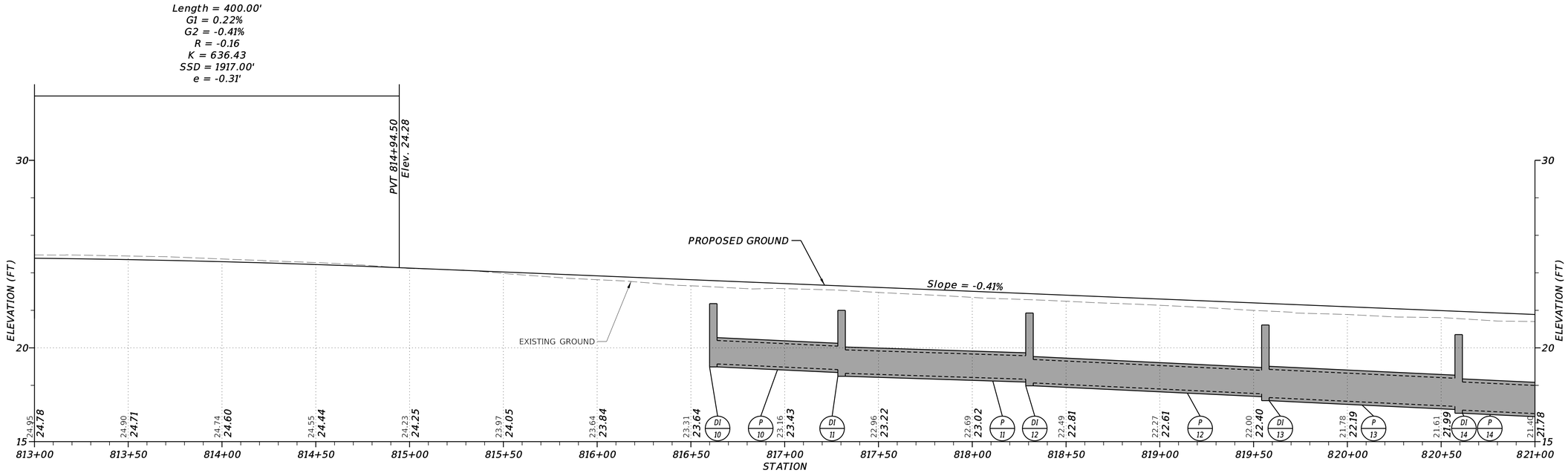
SR 1 NB

NOTE: THE BORING DATA PROVIDED ON THE PROFILE SHEETS INDICATES THE SOIL CONDITION ONLY AT THE SPECIFIC LOCATION EACH BORING WAS PERFORMED AND ONLY TO THE DEPTH PENETRATED.

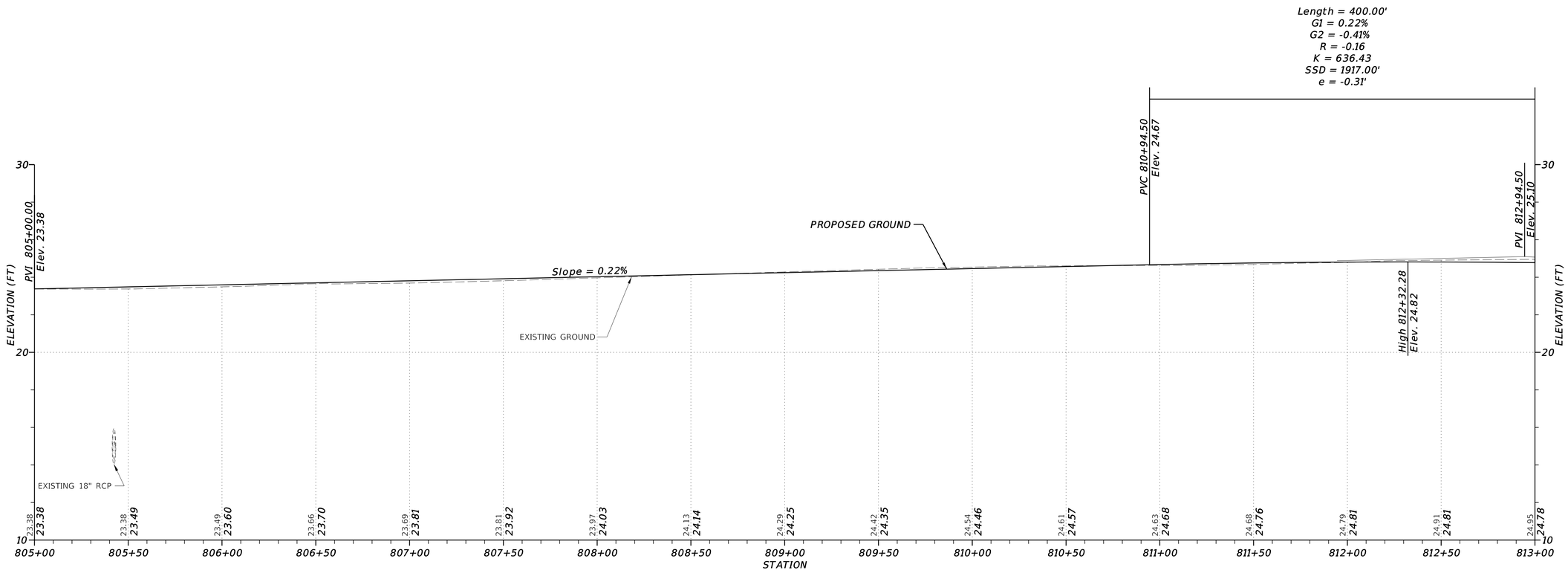
VERTICAL SCALE FEET 0 3 6 9

ADDENDA / REVISIONS	SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	PROFILES	SECTION PD
			COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SHEET NO. 61
				CHECKED BY: B. BEHRENS		

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SR 1 SB



SR 1 SB

NOTE: THE BORING DATA PROVIDED ON THE PROFILE SHEETS INDICATES THE SOIL CONDITION ONLY AT THE SPECIFIC LOCATION EACH BORING WAS PERFORMED AND ONLY TO THE DEPTH PENETRATED.

VERTICAL SCALE FEET 0 3 6 9

ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	PROFILES	SECTION PD
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SHEET NO. 62
					CHECKED BY: B. BEHRENS		

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Length = 500.00'
G1 = -0.41%
G2 = 3.26%
R = 0.73
K = 136.30
SSD = 582.32'
e = 2.29'

PVC 824+06.08
Elev. 20.52

Low 824+62.24
Elev. 20.40

PVI 826+56.08
Elev. 19.49

Slope = -0.41%

PROPOSED GROUND

EXISTING GROUND

EXISTING 48" RCP

P 14

DI 30

P 30

DI 31

ELEVATION (FT)

30
20
10
0

821+00	821+50	822+00	822+50	823+00	823+50	824+00	824+50	825+00	825+50	826+00	826+50	827+00	827+50	828+00	828+50	829+00
21.40 / 21.78	21.14 / 21.58	20.90 / 21.37	20.75 / 21.16	20.63 / 20.96	20.52 / 20.75	20.35 / 20.55	20.19 / 20.41	20.29 / 20.46	20.61 / 20.69	20.99 / 21.10	21.61 / 21.70	22.40 / 22.48	23.28 / 23.44	24.41 / 24.59	25.74 / 25.92	27.27 / 27.43

STATION

SR 1 SB

VERTICAL SCALE FEET
9
6
3
0

NOTE: THE BORING DATA PROVIDED ON THE PROFILE SHEETS INDICATES THE SOIL CONDITION ONLY AT THE SPECIFIC LOCATION EACH BORING WAS PERFORMED AND ONLY TO THE DEPTH PENETRATED.

ADDENDA / REVISIONS	

SCALE
0 30 60 90
FEET

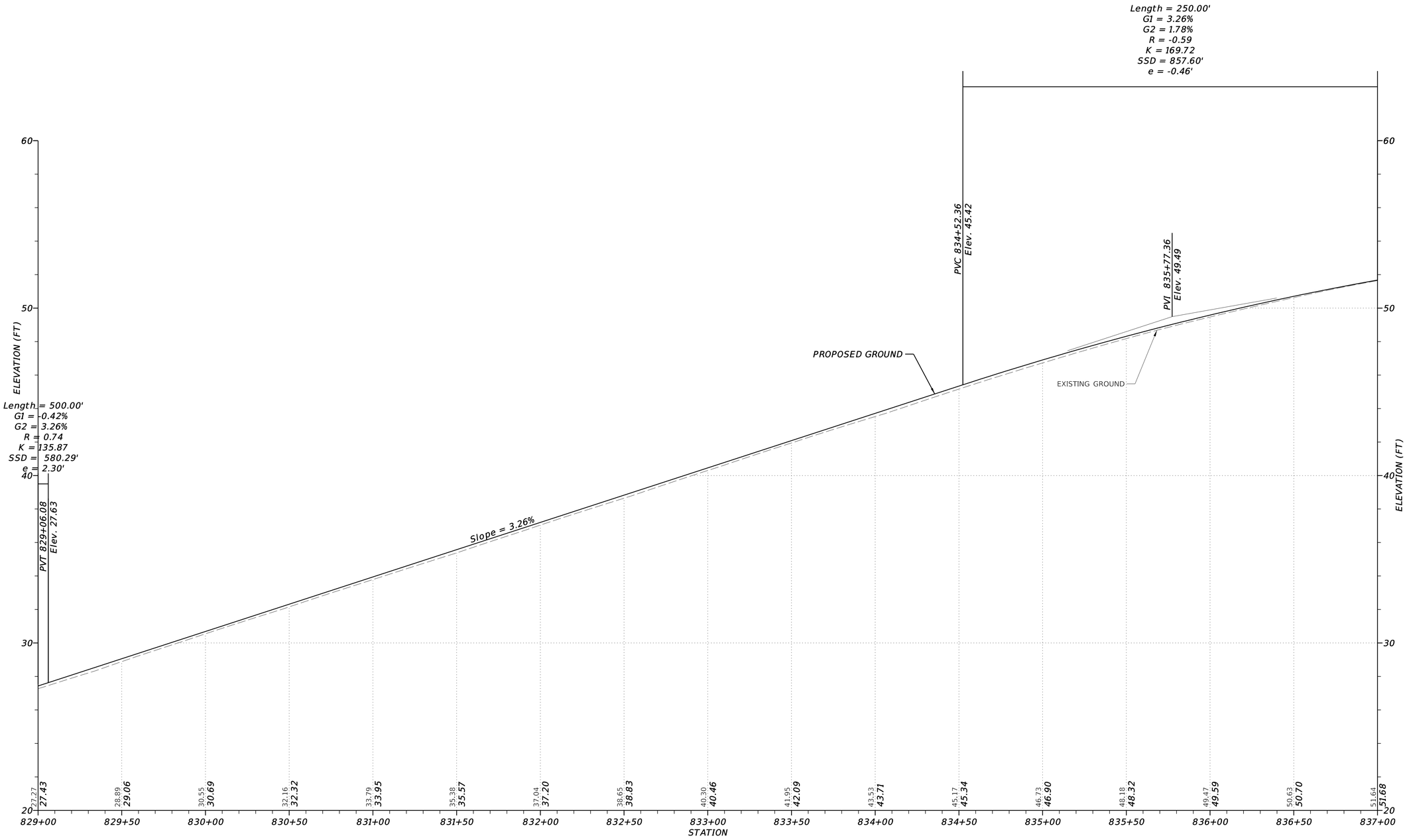
SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

PROFILES

SECTION
PD
SHEET NO.
63

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SR 1 SB

VERTICAL SCALE FEET
9
6
3
0

NOTE: THE BORING DATA PROVIDED ON THE PROFILE SHEETS INDICATES THE SOIL CONDITION ONLY AT THE SPECIFIC LOCATION EACH BORING WAS PERFORMED AND ONLY TO THE DEPTH PENETRATED.

ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	PROFILES	SECTION PD
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SHEET NO. 64
					CHECKED BY: B. BEHRENS		

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Length = 250.00'
G1 = 3.26%
G2 = 1.78%
R = -0.59
K = 169.72
SSD = 857.60'
e = -0.46'

MILL AND OVERLAY

PVT 837+02.36
Elev. 51.72

PVC 837+24.91
Elev. 52.12

PROPOSED GROUND

Slope = 1.78%

EXISTING GROUND

EXISTING SR 1 SB BRIDGE
ELEV. 49.92

EQ. STA. SR 1 SB 840+68.04
NEW RD 1003+23.39

ELEVATION (FT)

60
50
40
30
20

STATION	837+00	837+50	838+00	838+50	839+00	839+50	840+00	840+50	841+00	841+50	842+00	842+50	843+00	843+50	844+00	844+50	845+00
	51.64	52.58	53.24	53.76	54.10	54.21	48.39	25.27	31.12	53.73	53.31	52.88	52.16	51.25	50.04	48.57	47.12
	51.68	52.52	53.21	53.74	54.13	54.36	54.43	54.36	54.13	53.76	53.22	52.54	51.71	50.72	49.58	48.29	46.85

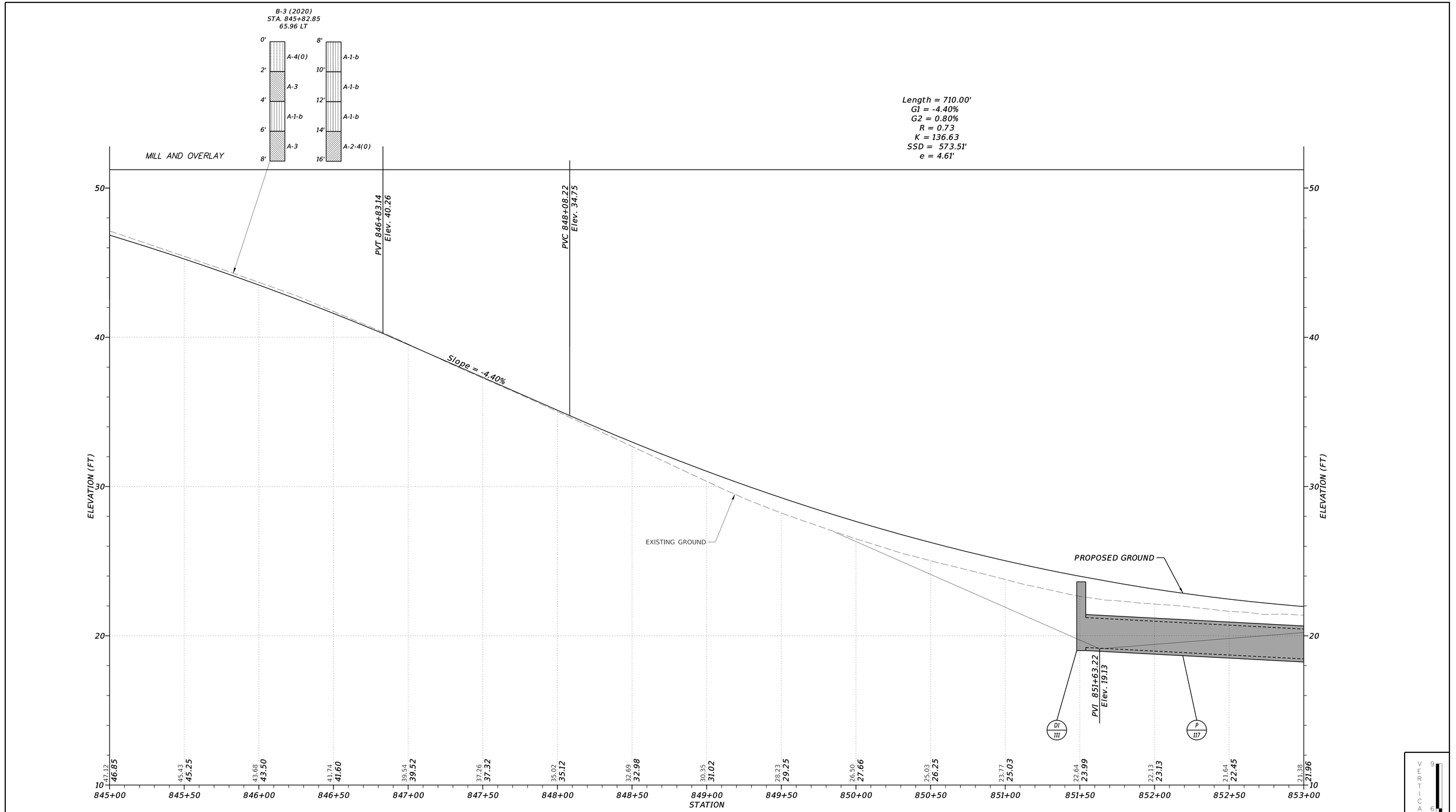
SR 1 SB

VERTICAL SCALE FEET
9
6
3
0

NOTE: THE BORING DATA PROVIDED ON THE PROFILE SHEETS INDICATES THE SOIL CONDITION ONLY AT THE SPECIFIC LOCATION EACH BORING WAS PERFORMED AND ONLY TO THE DEPTH PENETRATED.

ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	PROFILES	SECTION PD
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SHEET NO. 65
					CHECKED BY: B. BEHRENS		

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SR 1 SB

NOTE: THE BORING DATA PROVIDED ON THE PROFILE SHEETS INDICATES THE SOIL CONDITION ONLY AT THE SPECIFIC LOCATION EACH BORING WAS PERFORMED AND ONLY TO THE DEPTH PENETRATED.

VERTICAL SCALE FEET: 0, 3, 6, 9

ADDENDA / REVISIONS	

SCALE: 0 30 60 90 FEET

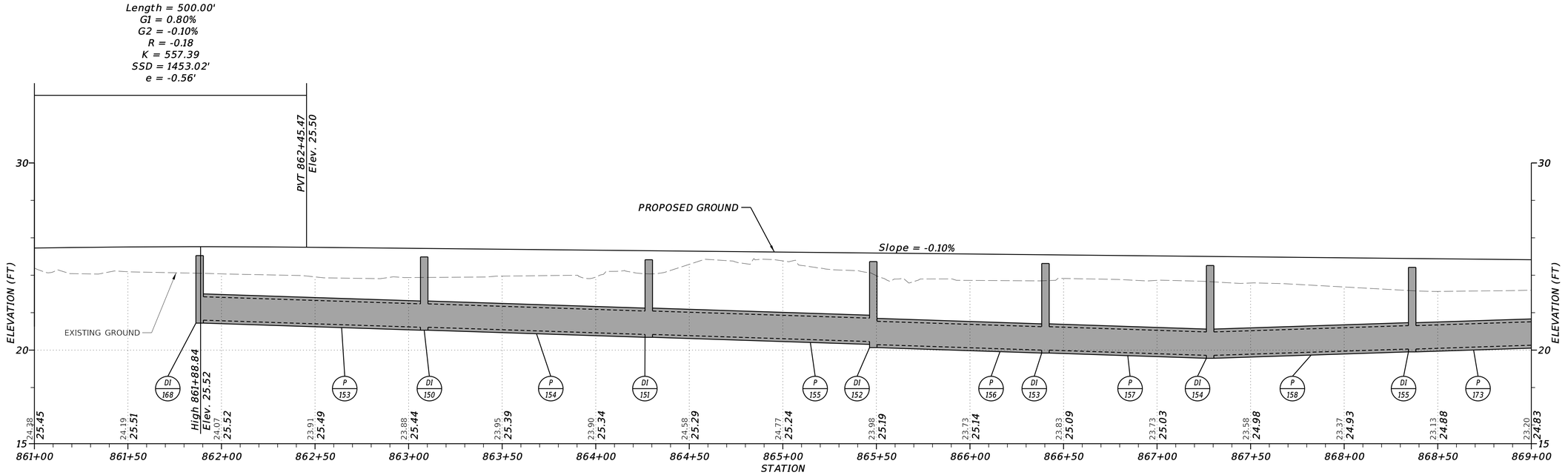
SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

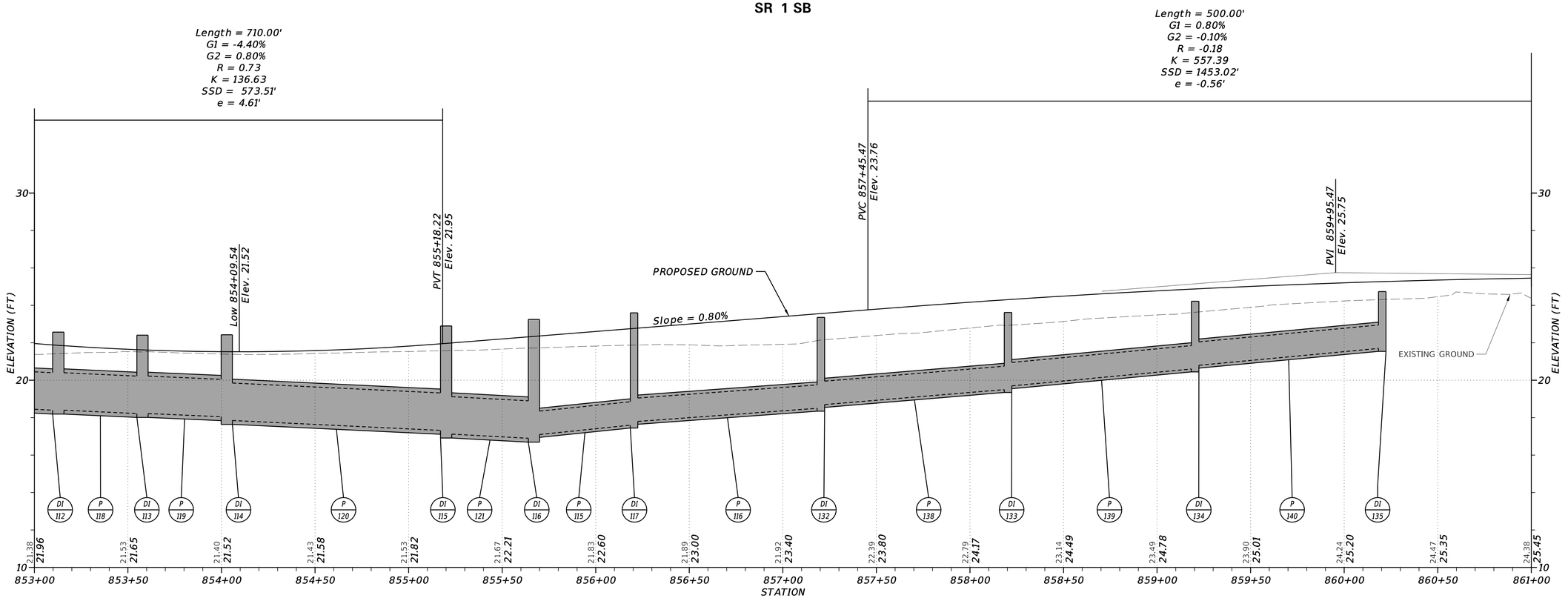
PROFILES

SECTION	
PD	
SHEET NO.	
66	

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14:49
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SR 1 SB



SR 1 SB

NOTE: THE BORING DATA PROVIDED ON THE PROFILE SHEETS INDICATES THE SOIL CONDITION ONLY AT THE SPECIFIC LOCATION EACH BORING WAS PERFORMED AND ONLY TO THE DEPTH PENETRATED.

ADDENDA / REVISIONS	

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

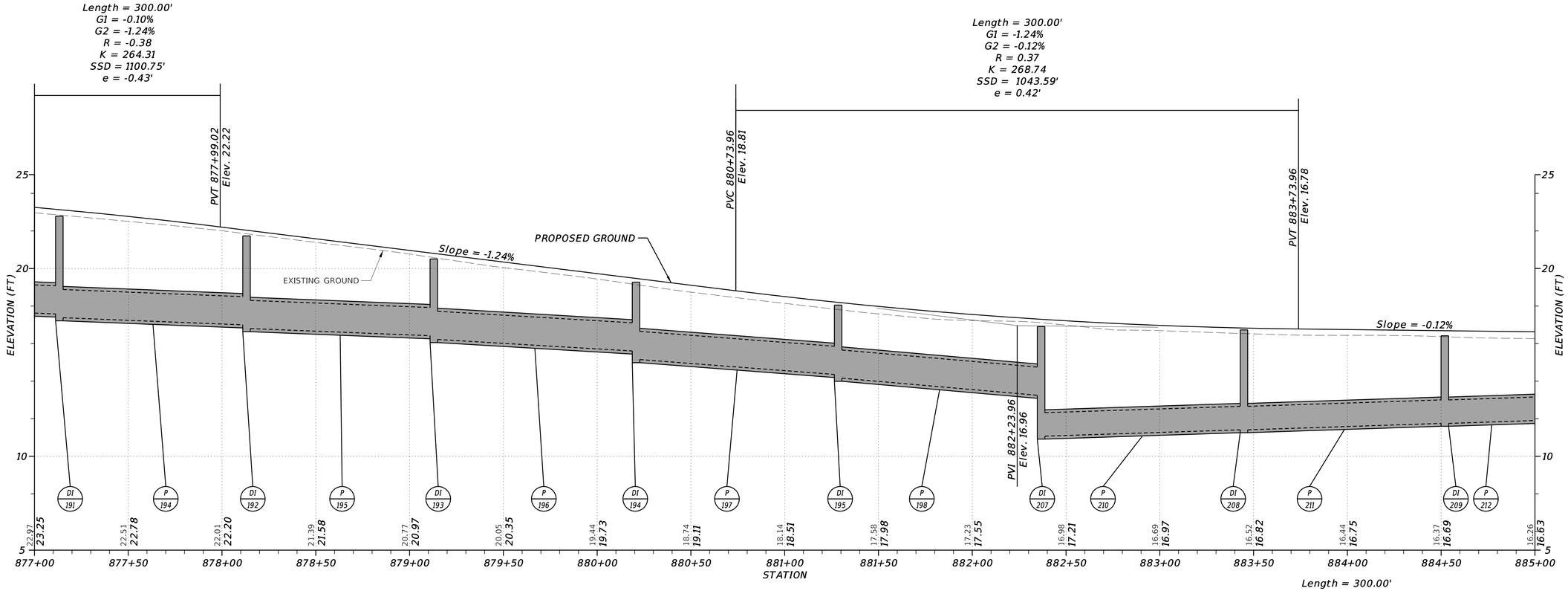
CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

PROFILES

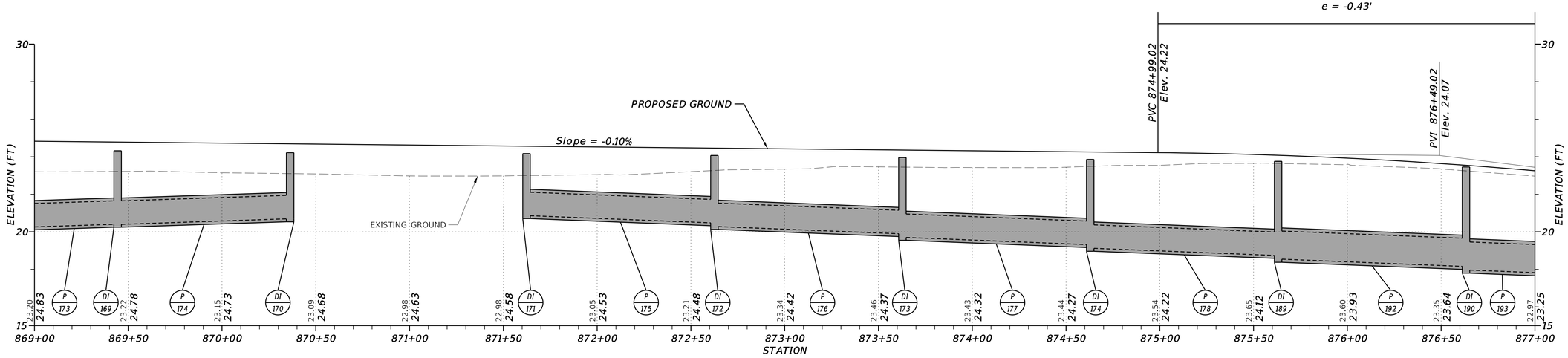
SECTION
PD
SHEET NO.
67

VERTICAL SCALE FEET
9 6 3 0

11-JUN-2024
14:40
Y:\SUSSEX\014\roadt\T201612501\Plans\PF.dgn



SR 1 SB



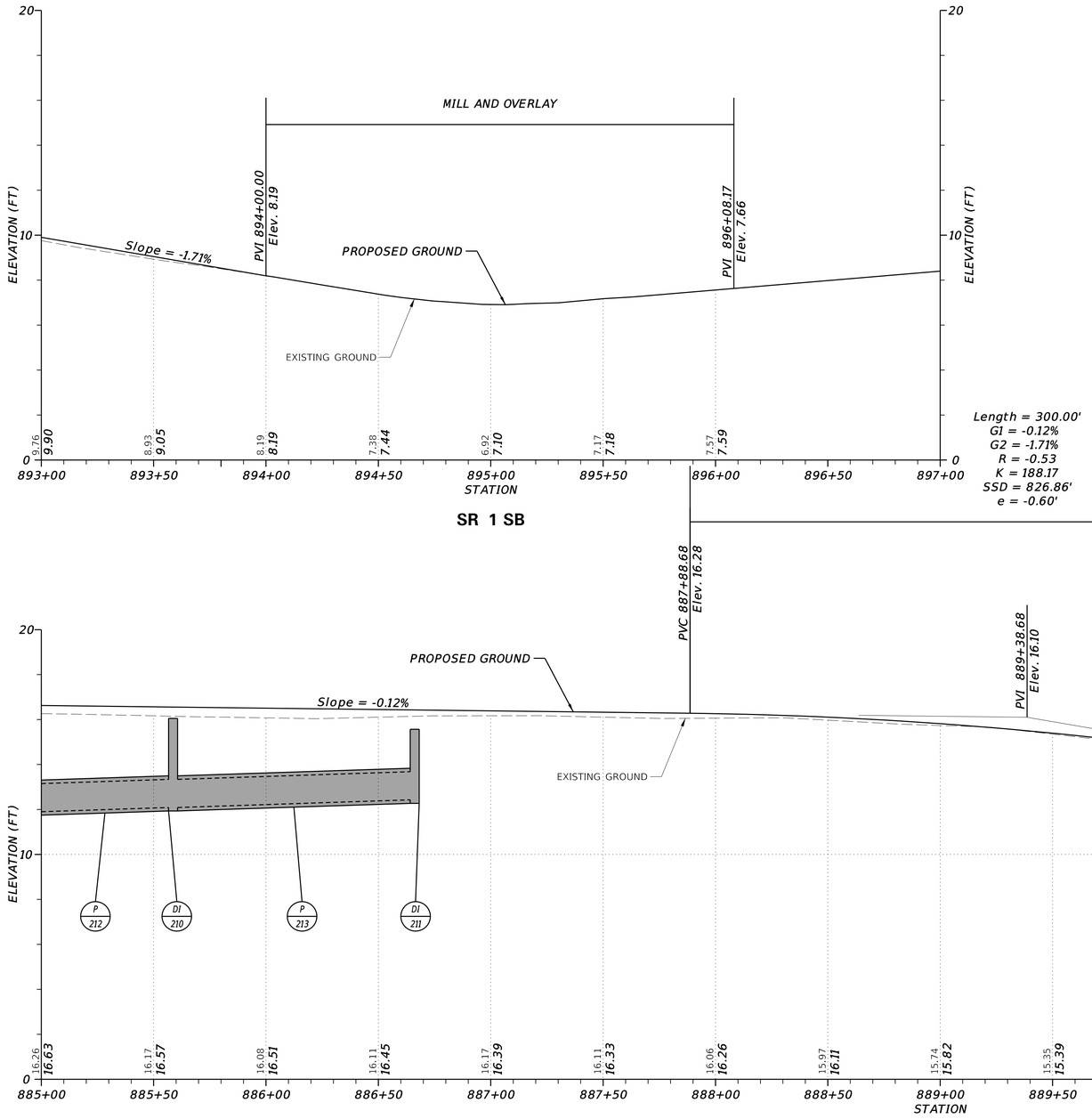
SR 1 SB

NOTE: THE BORING DATA PROVIDED ON THE PROFILE SHEETS INDICATES THE SOIL CONDITION ONLY AT THE SPECIFIC LOCATION EACH BORING WAS PERFORMED AND ONLY TO THE DEPTH PENETRATED.

VERTICAL SCALE FEET 0 3 6 9

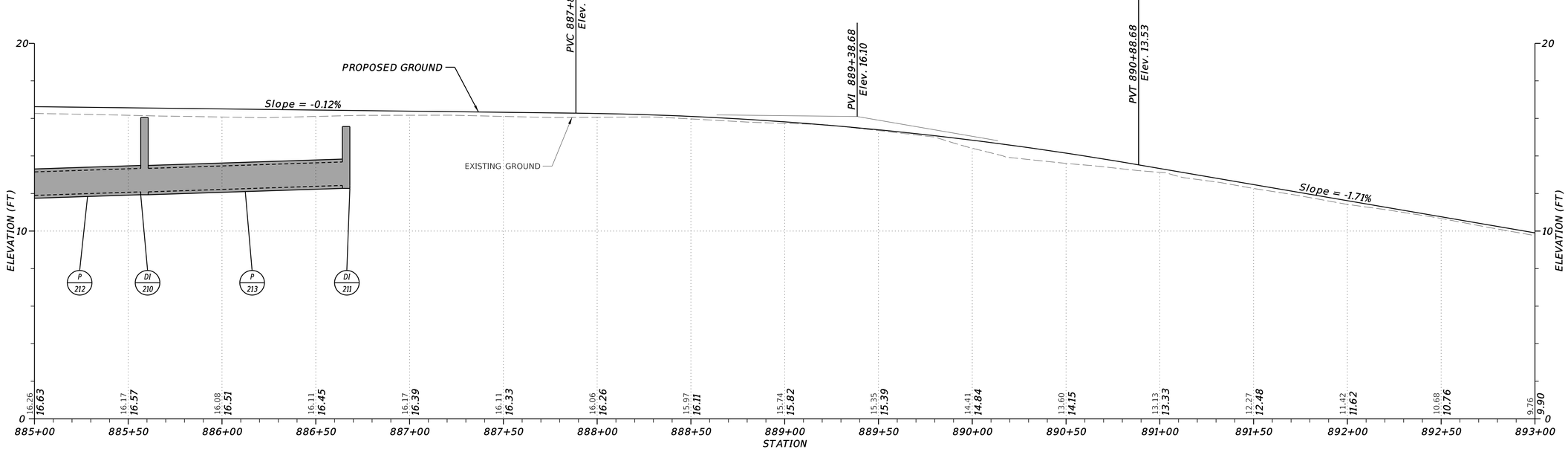
ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	PROFILES	SECTION PD
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SHEET NO. 68
					CHECKED BY: B. BEHRENS		

11-JUN-2024
14:49:09
Y:\SUSSEX\014\road\T201612501\Plans\PF.dgn



SR 1 SB

Length = 300.00'
G1 = -0.12%
G2 = -1.71%
R = -0.53
K = 188.17
SSD = 826.86'
e = -0.60'



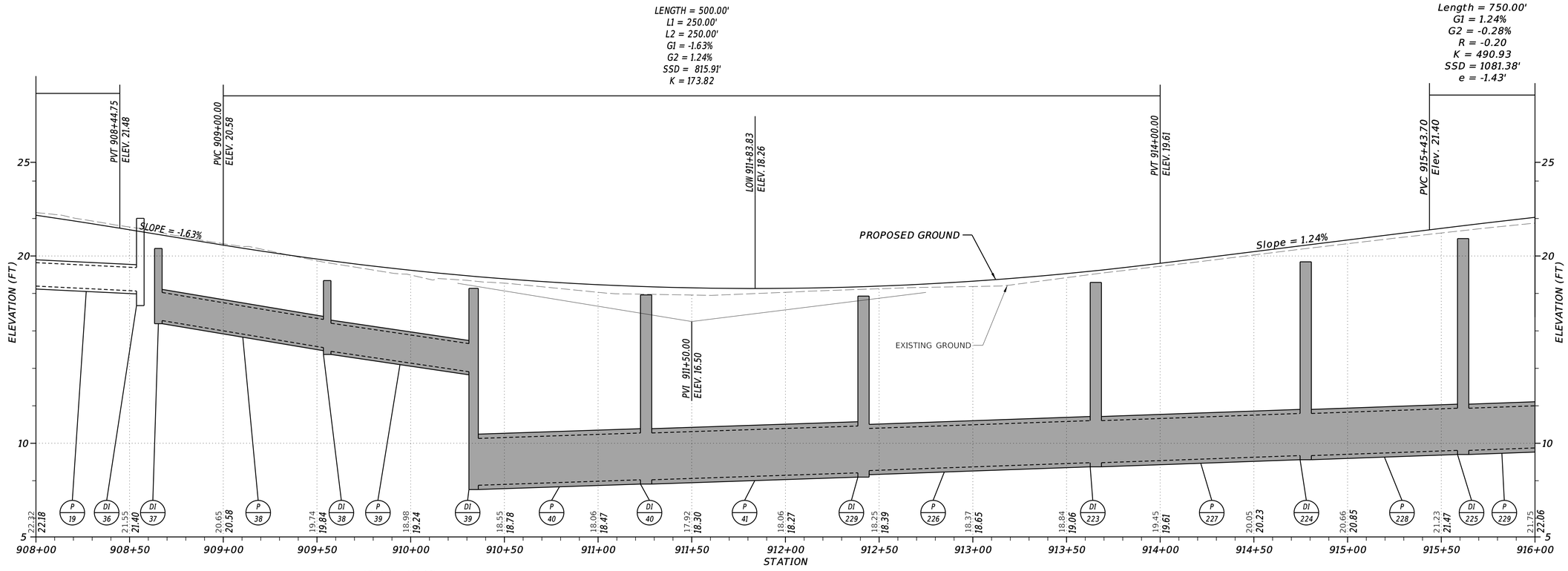
SR 1 SB

VERTICAL SCALE FEET 0 3 6 9

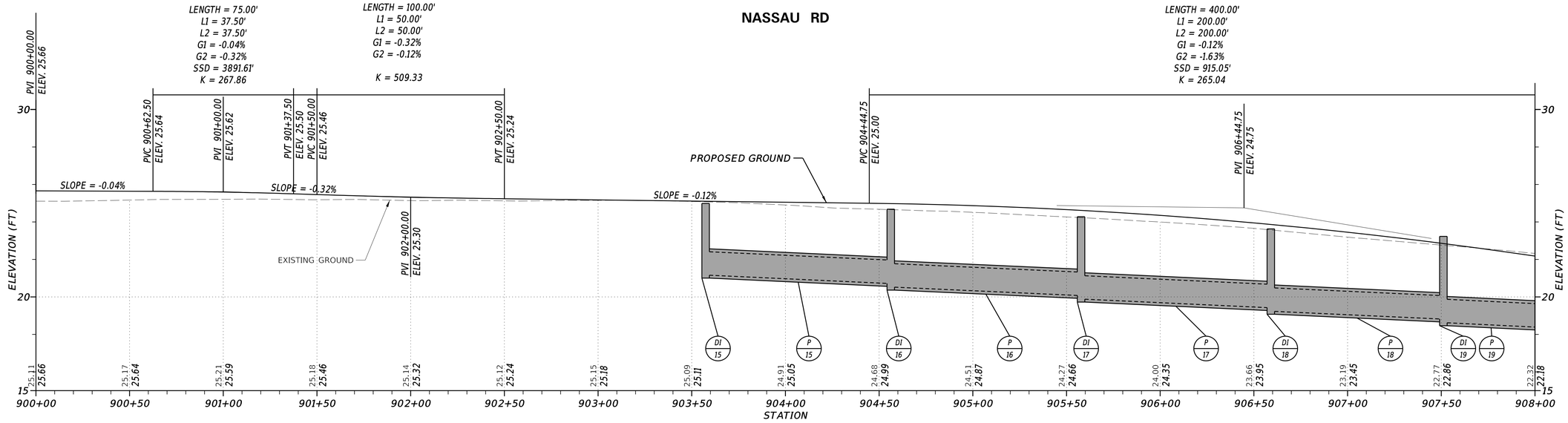
NOTE: THE BORING DATA PROVIDED ON THE PROFILE SHEETS INDICATES THE SOIL CONDITION ONLY AT THE SPECIFIC LOCATION EACH BORING WAS PERFORMED AND ONLY TO THE DEPTH PENETRATED.

ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	PROFILES	SECTION PD
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SHEET NO. 69
					CHECKED BY: B. BEHRENS		

11-JUN-2024
14:43
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NASSAU RD



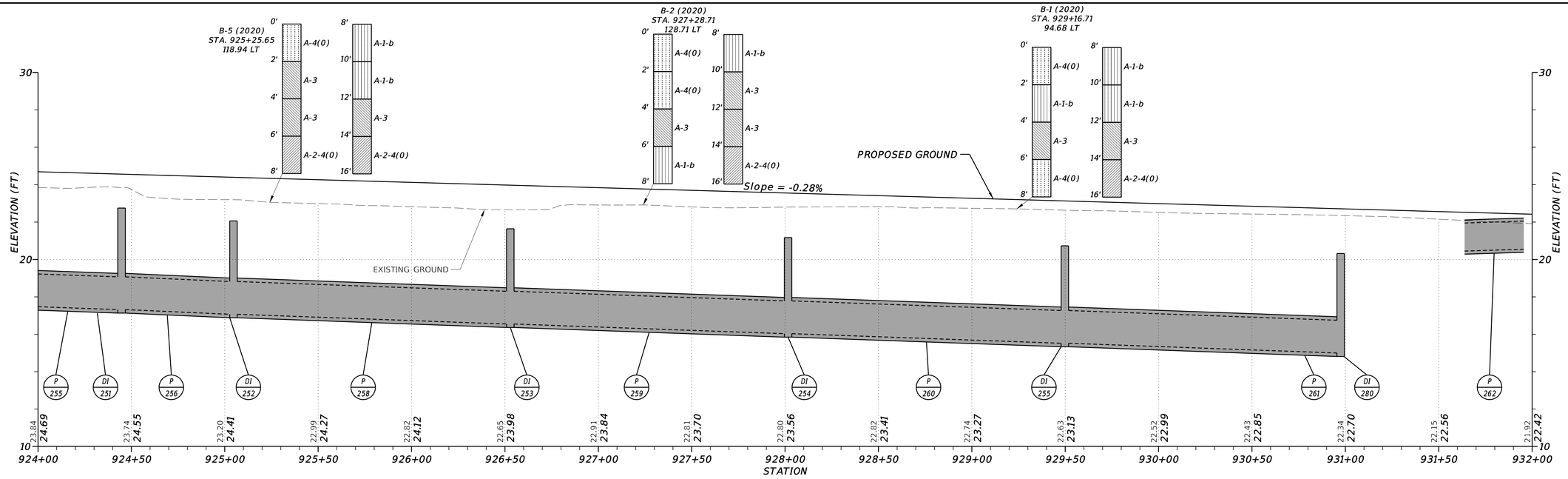
NASSAU RD

NOTE: THE BORING DATA PROVIDED ON THE PROFILE SHEETS INDICATES THE SOIL CONDITION ONLY AT THE SPECIFIC LOCATION EACH BORING WAS PERFORMED AND ONLY TO THE DEPTH PENETRATED.

VERTICAL SCALE FEET 0 3 6 9

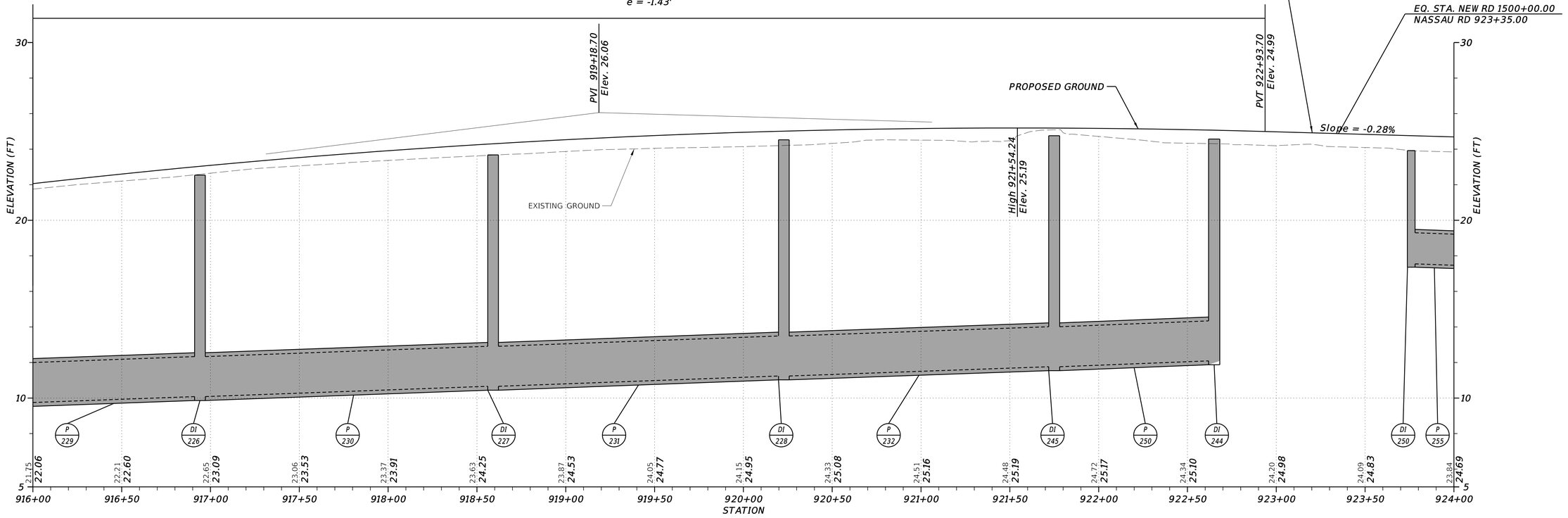
ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	PROFILES	SECTION PD
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SHEET NO. 70
					CHECKED BY: B. BEHRENS		

11-JUN-2024
14:40
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Length = 750.00'
G1 = 1.24%
G2 = -0.28%
R = -0.20
K = 490.93
SSD = 1081.38'
e = -1.43'

NASSAU RD



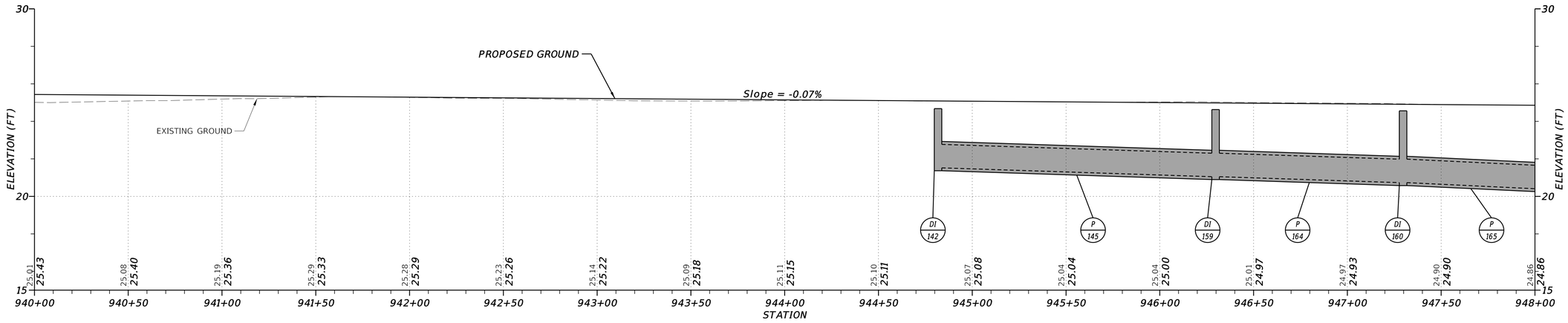
NASSAU RD

NOTE: THE BORING DATA PROVIDED ON THE PROFILE SHEETS INDICATES THE SOIL CONDITION ONLY AT THE SPECIFIC LOCATION EACH BORING WAS PERFORMED AND ONLY TO THE DEPTH PENETRATED.

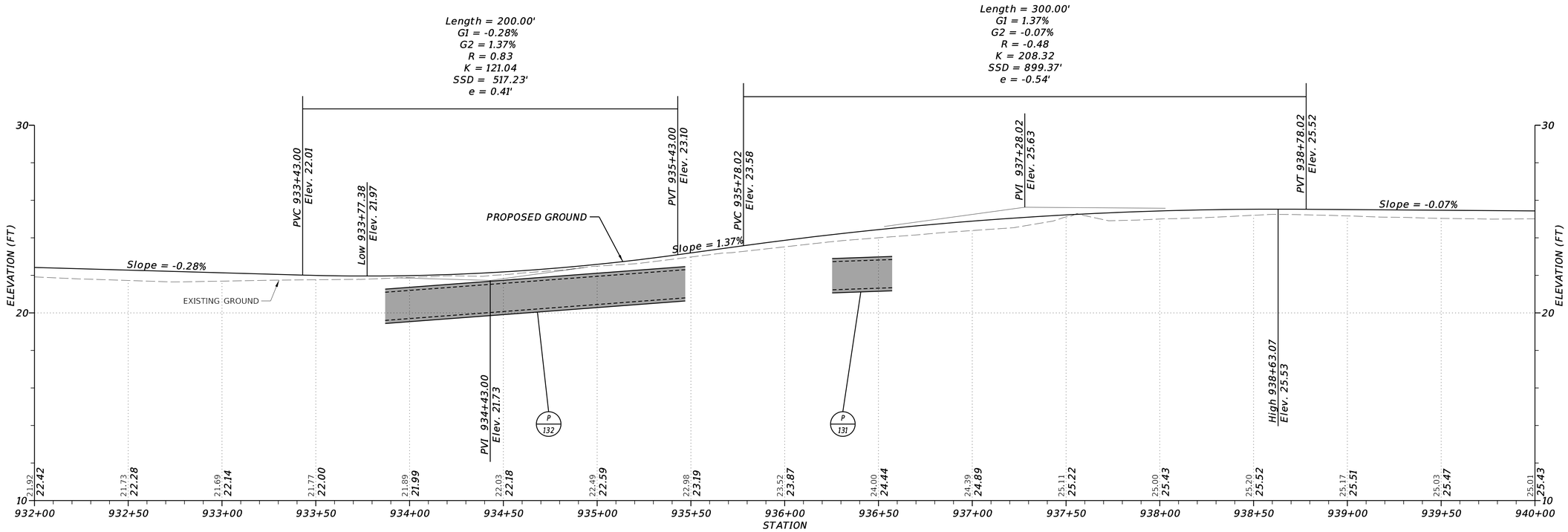
VERTICAL SCALE FEET 0 3 6 9

ADDENDA / REVISIONS	SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	PROFILES	SECTION PD
			COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SHEET NO. 71
				CHECKED BY: B. BEHRENS		

11-JUN-2024
14:44:40
Y:\SUSSEX\014\road\T201612501\Plans\PF.dgn



NASSAU RD



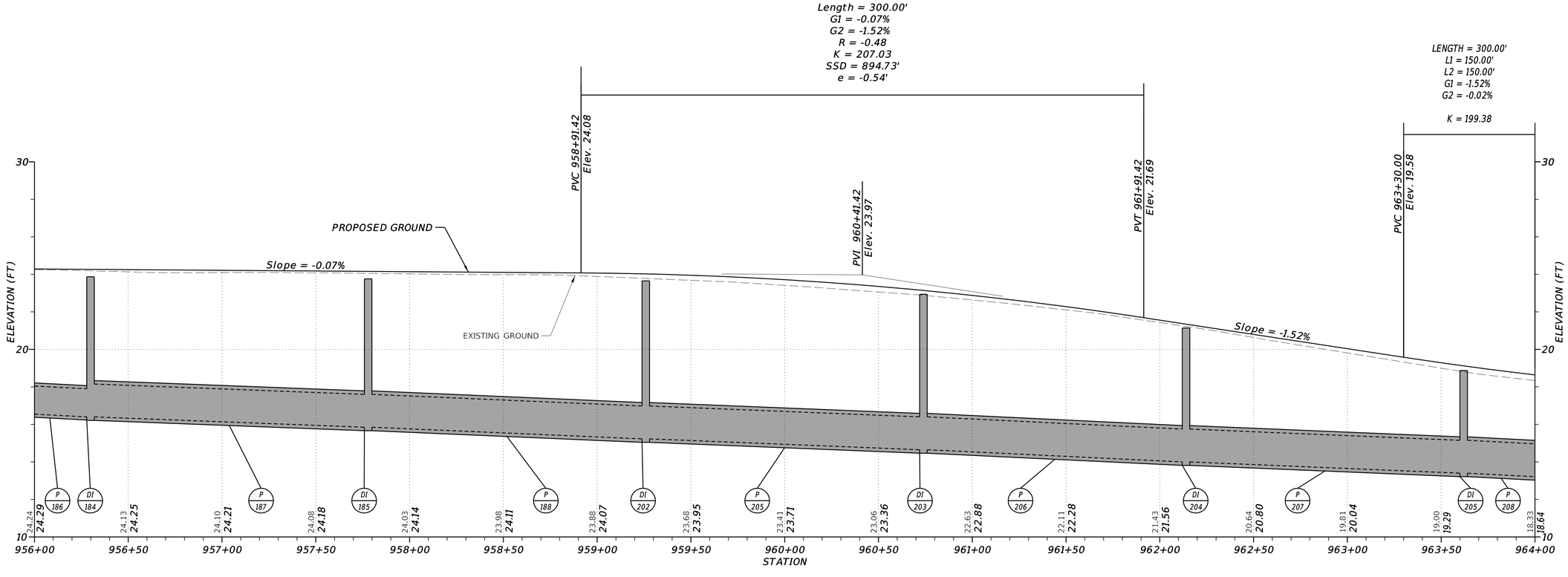
NASSAU RD

NOTE: THE BORING DATA PROVIDED ON THE PROFILE SHEETS INDICATES THE SOIL CONDITION ONLY AT THE SPECIFIC LOCATION EACH BORING WAS PERFORMED AND ONLY TO THE DEPTH PENETRATED.

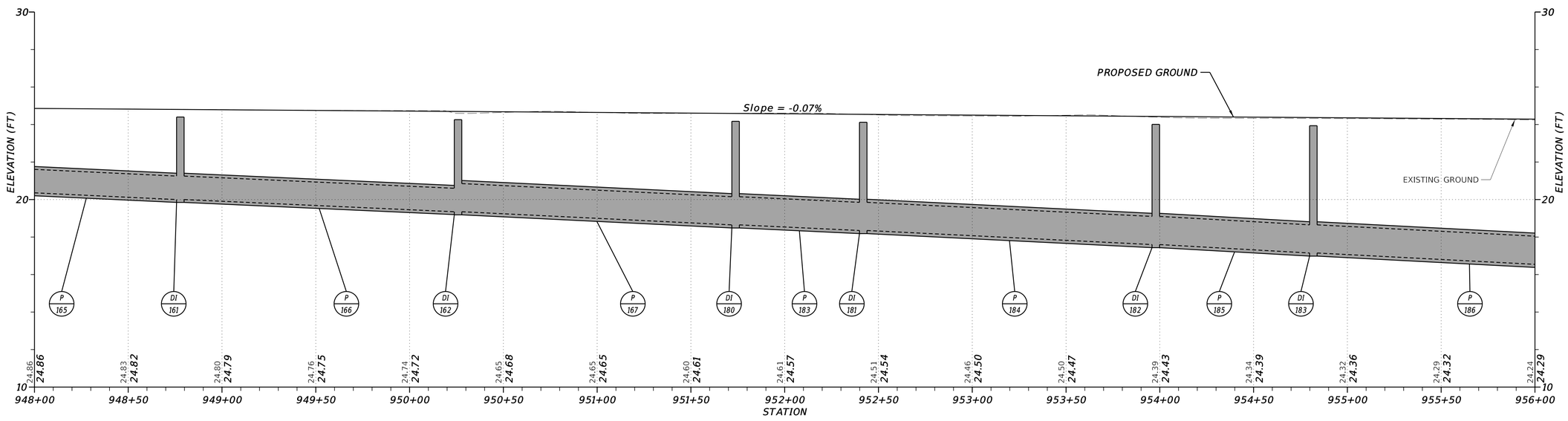
VERTICAL SCALE FEET 0 3 6 9

ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	PROFILES	SECTION PD
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SHEET NO. 72
					CHECKED BY: B. BEHRENS		

11-JUN-2024
14:40
Y:\SUSSEX\014 roadway\T201612501\Plans\PF.dgn



NASSAU RD



NASSAU RD

NOTE: THE BORING DATA PROVIDED ON THE PROFILE SHEETS INDICATES THE SOIL CONDITION ONLY AT THE SPECIFIC LOCATION EACH BORING WAS PERFORMED AND ONLY TO THE DEPTH PENETRATED.

ADDENDA / REVISIONS	

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

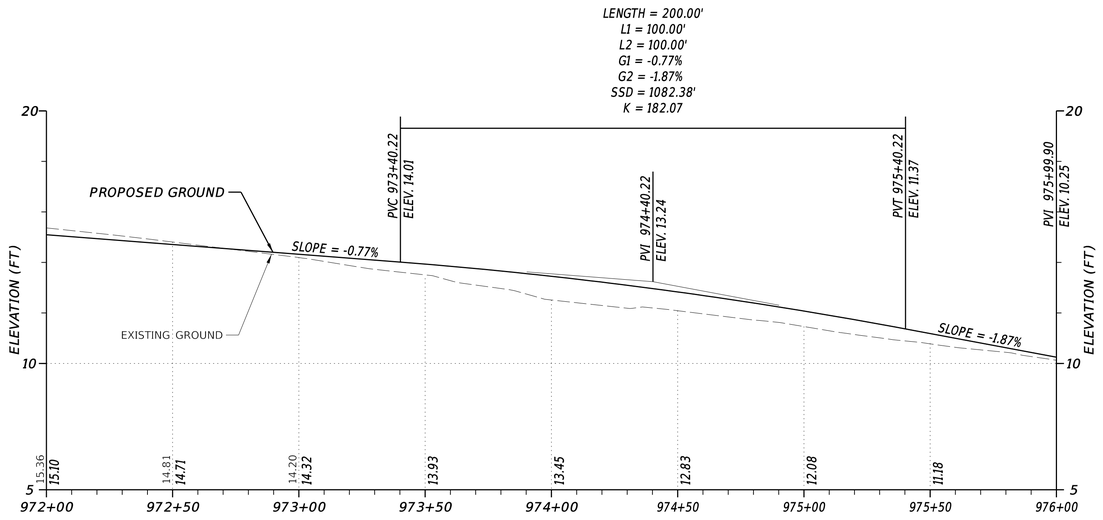
CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

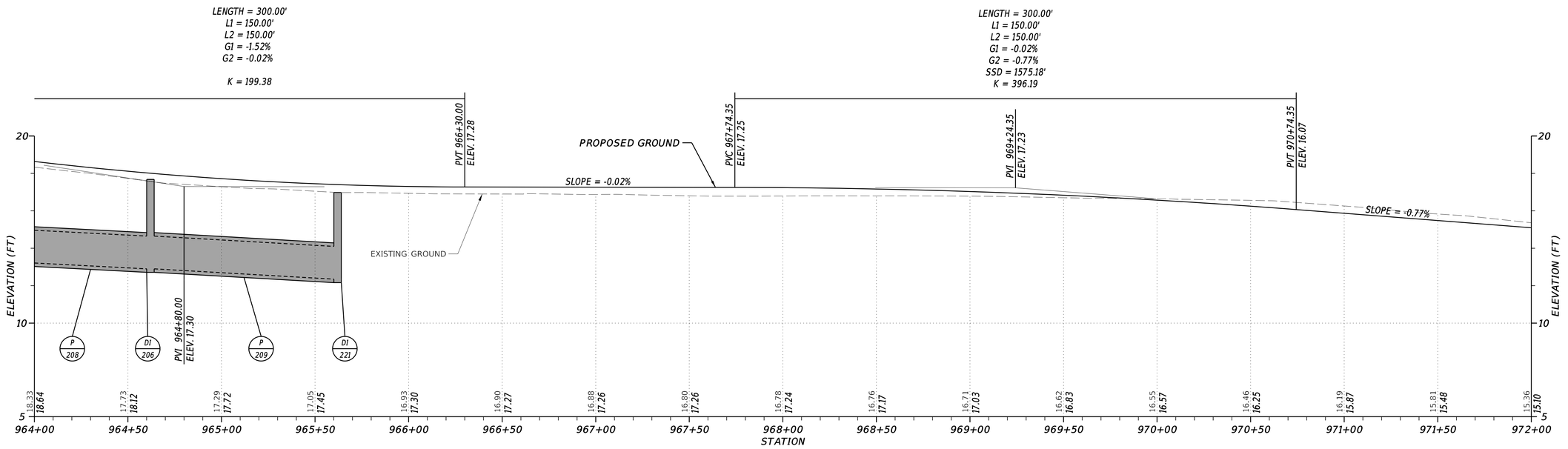
PROFILES

SECTION
PD
SHEET NO.
73

VERTICAL SCALE FEET
9 6 3 0

11-JUN-2024
14:47:40
Y:\SUSSEX\014\road\T201612501\Plans\PF.dgn





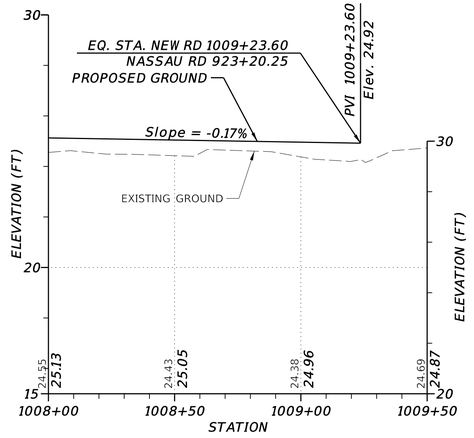
NASSAU RD

NOTE: THE BORING DATA PROVIDED ON THE PROFILE SHEETS INDICATES THE SOIL CONDITION ONLY AT THE SPECIFIC LOCATION EACH BORING WAS PERFORMED AND ONLY TO THE DEPTH PENETRATED.

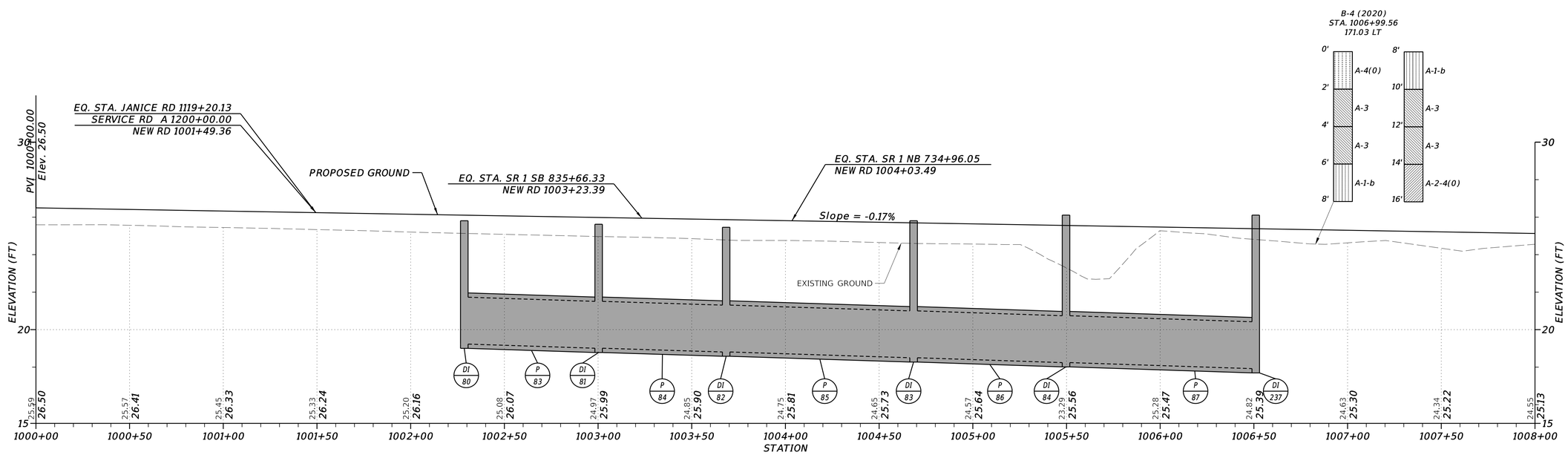
VERTICAL SCALE FEET 0 3 6 9

ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	PROFILES	SECTION PD
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SHEET NO. 74
					CHECKED BY: B. BEHRENS		

11-JUN-2024
14:44
Y:\SUSSEX\014\road\T201612501\Plans\PF.dgn



NEW RD



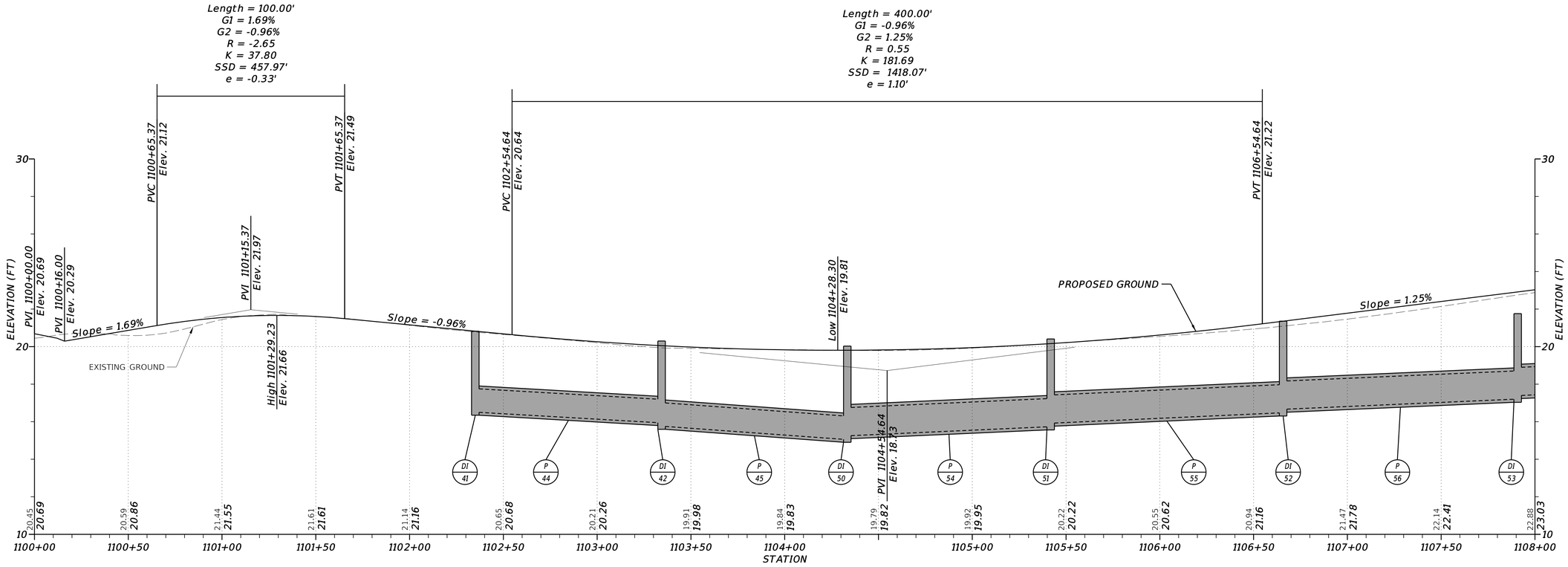
NEW RD

NOTE: THE BORING DATA PROVIDED ON THE PROFILE SHEETS INDICATES THE SOIL CONDITION ONLY AT THE SPECIFIC LOCATION EACH BORING WAS PERFORMED AND ONLY TO THE DEPTH PENETRATED.

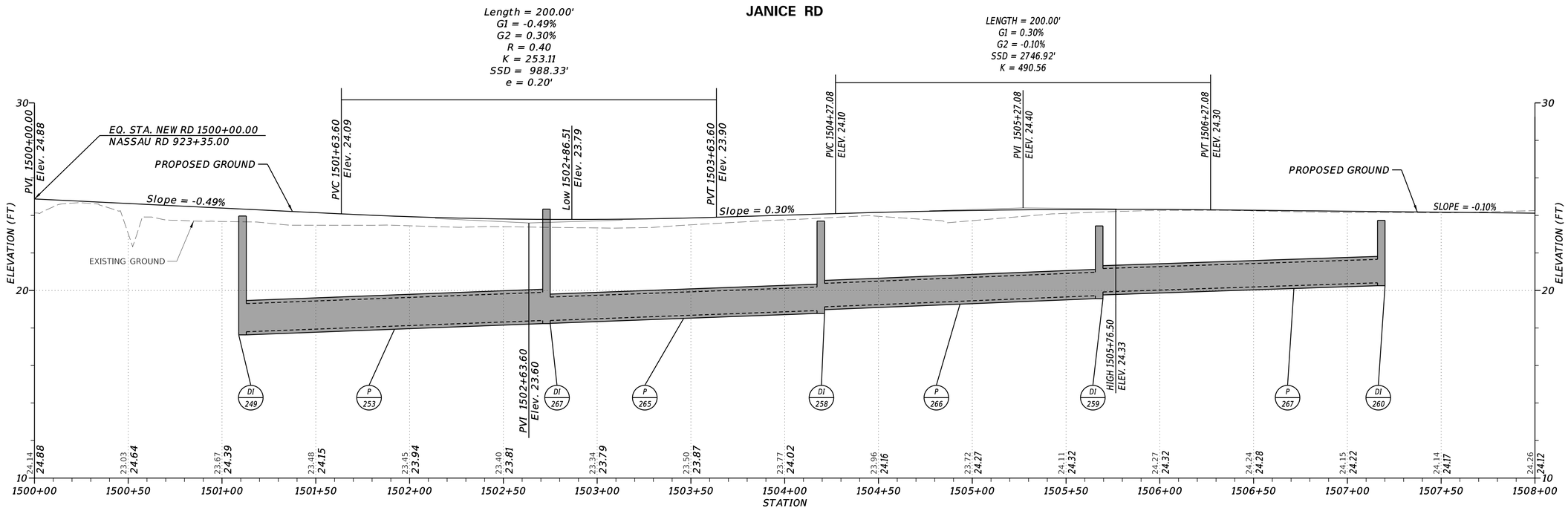
VERTICAL SCALE FEET 0 3 6 9

ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	PROFILES	SECTION PD
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SHEET NO. 75
					CHECKED BY: B. BEHRENS		

11-JUN-2024
14:44:46
Y:\SUSSEX\014\road\T201612501\Plans\PF.dgn



JANICE RD



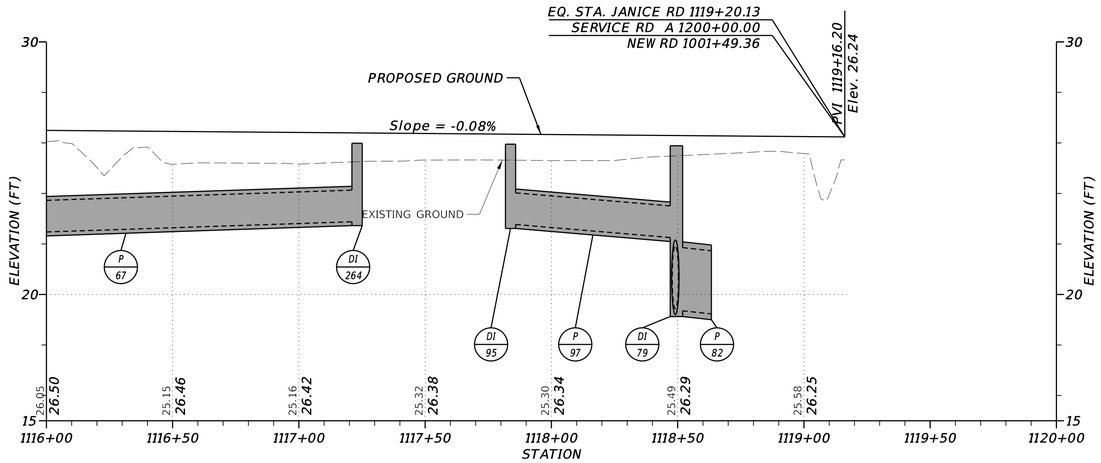
NEW RD

NOTE: THE BORING DATA PROVIDED ON THE PROFILE SHEETS INDICATES THE SOIL CONDITION ONLY AT THE SPECIFIC LOCATION EACH BORING WAS PERFORMED AND ONLY TO THE DEPTH PENETRATED.

VERTICAL SCALE FEET: 0, 3, 6, 9

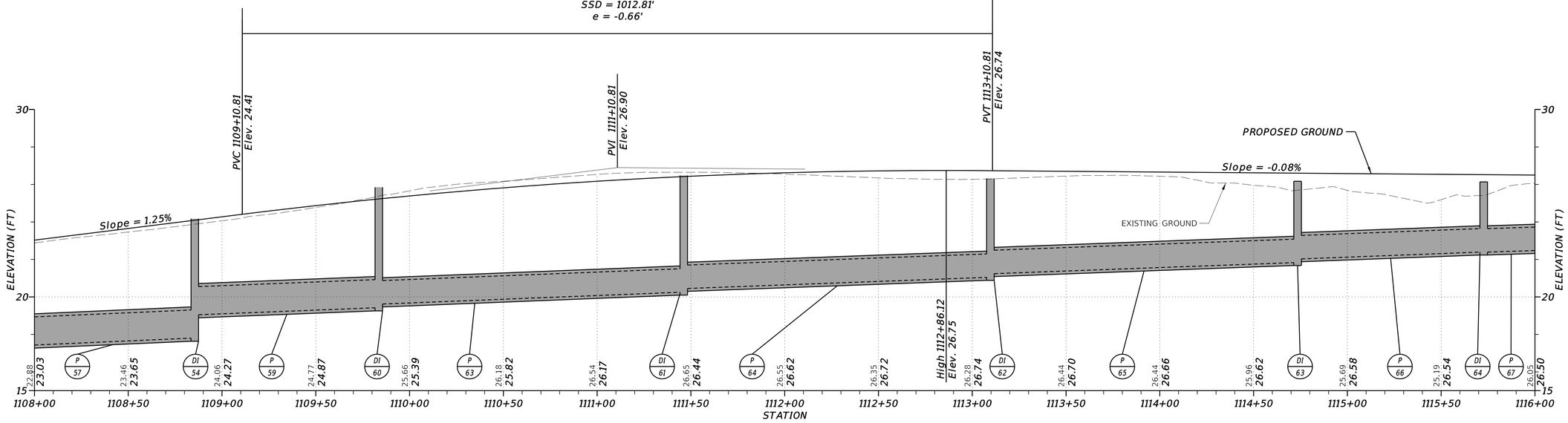
ADDENDA / REVISIONS	SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO. X	PROFILES	SECTION
	0 30 60 90 FEET		T201612501	DESIGNED BY: N. RIGOLINO		PD
			COUNTY	CHECKED BY: B. BEHRENS		SHEET NO.
			SUSSEX			76

11-JUN-2024
14:44:41
Y:\SUSSEX\014\road\T201612501\Plans\PF.dgn



JANICE RD

Length = 400.00'
G1 = 1.25%
G2 = -0.08%
R = -0.33
K = 301.28
SSD = 1012.81'
e = -0.66'



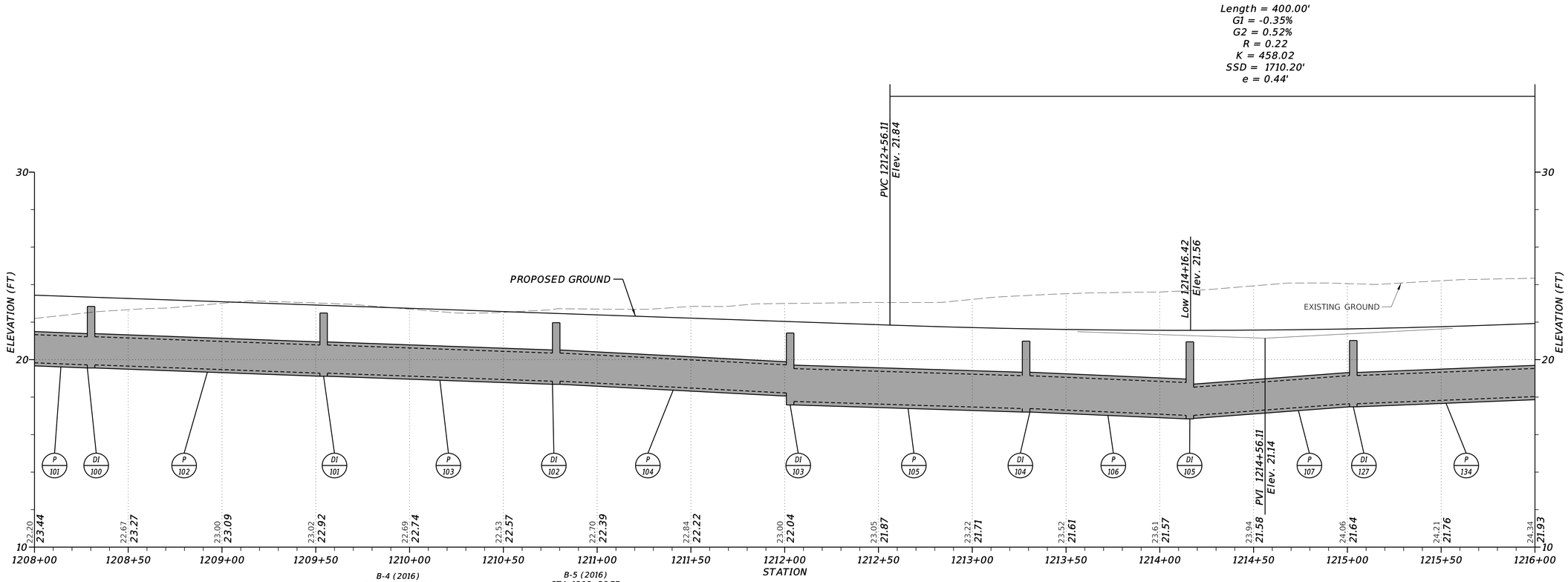
JANICE RD

VERTICAL SCALE FEET
9
6
3
0

NOTE: THE BORING DATA PROVIDED ON THE PROFILE SHEETS INDICATES THE SOIL CONDITION ONLY AT THE SPECIFIC LOCATION EACH BORING WAS PERFORMED AND ONLY TO THE DEPTH PENETRATED.

ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	PROFILES	SECTION PD
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SHEET NO. 77
					CHECKED BY: B. BEHRENS		

11-JUN-2024
11:44:20
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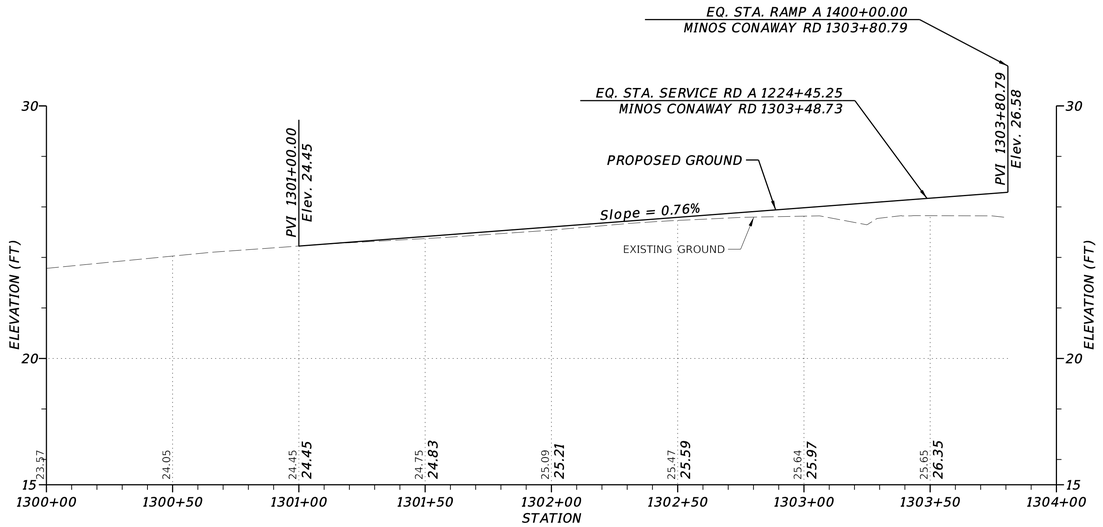


NOTE: THE BORING DATA PROVIDED ON THE PROFILE SHEETS INDICATES THE SOIL CONDITION ONLY AT THE SPECIFIC LOCATION EACH BORING WAS PERFORMED AND ONLY TO THE DEPTH PENETRATED.

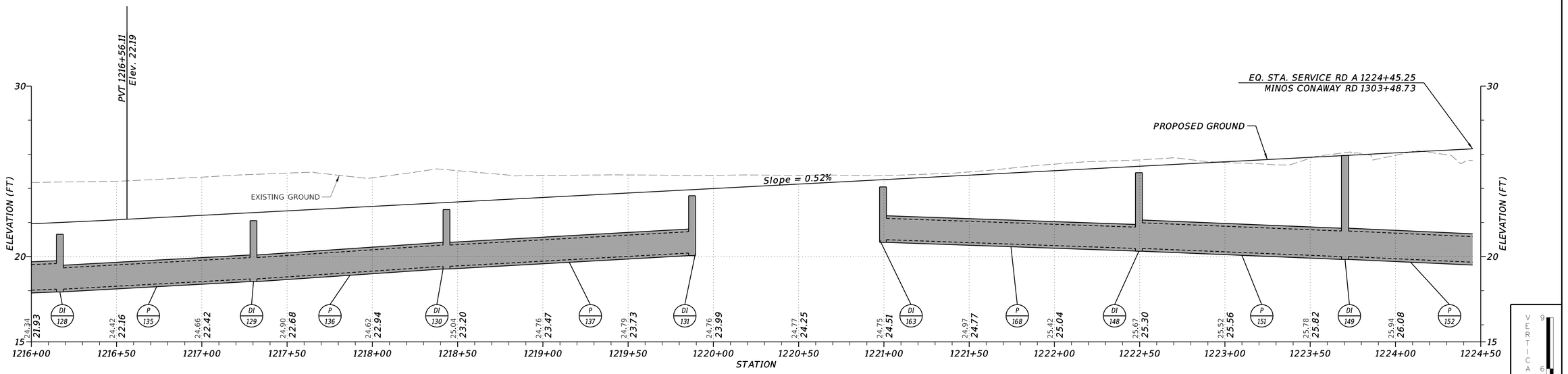
VERTICAL SCALE FEET: 0, 3, 6, 9

ADDENDA / REVISIONS	SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	PROFILES	SECTION PD
	0 30 60 90 FEET		COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SHEET NO. 78
				CHECKED BY: B. BEHRENS		

11-JUN-2024
14:46:20
Y:\SUSSEX\014\road\T20161250I\Plans\PF.dgn



MINOS CONAWAY RD



SERVICE RD A

VERTICAL SCALE FEET
9
6
3
0

NOTE: THE BORING DATA PROVIDED ON THE PROFILE SHEETS INDICATES THE SOIL CONDITION ONLY AT THE SPECIFIC LOCATION EACH BORING WAS PERFORMED AND ONLY TO THE DEPTH PENETRATED.

ADDENDA / REVISIONS	

SCALE
0 30 60 90
FEET

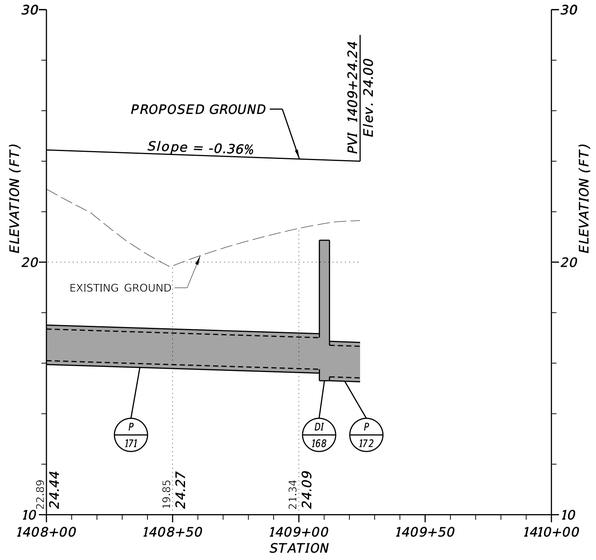
SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

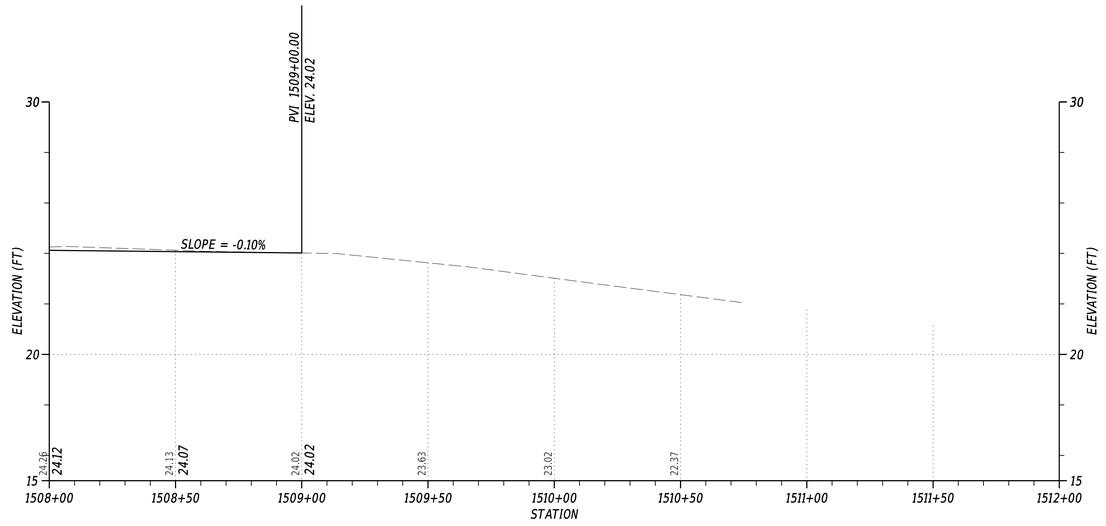
PROFILES

SECTION
PD
SHEET NO.
79

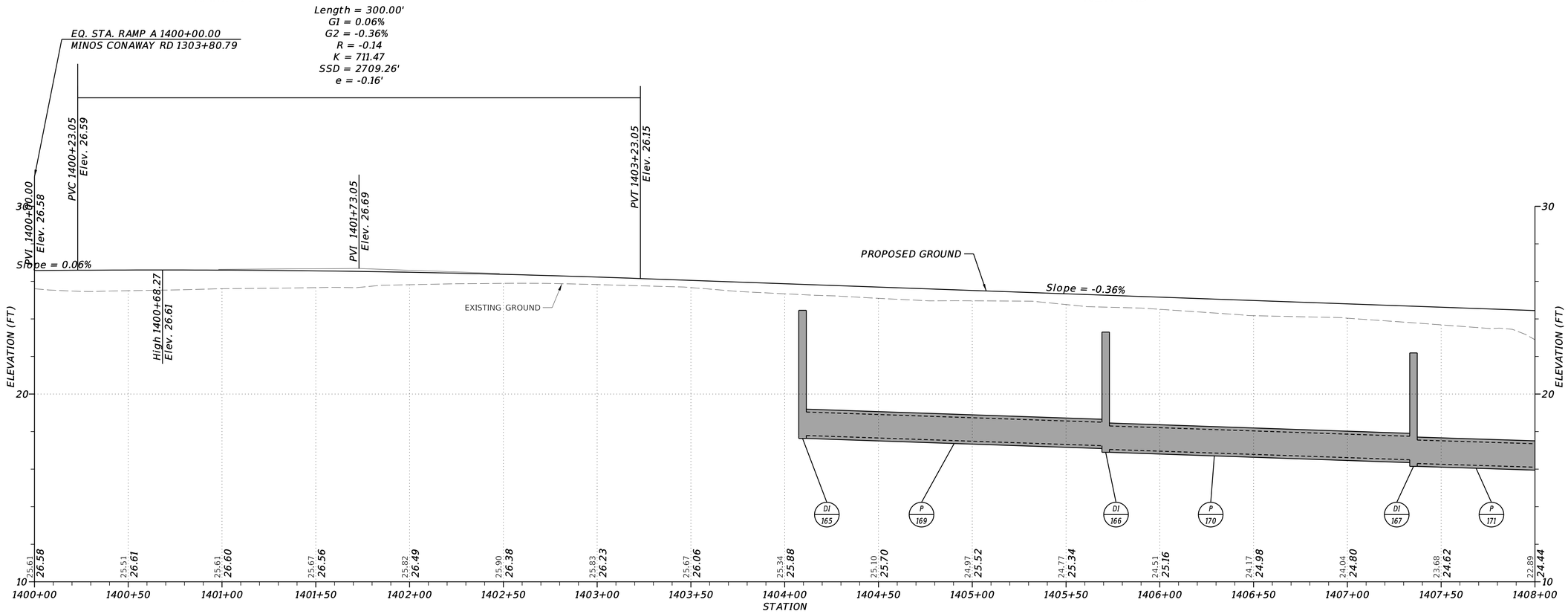
11-JUN-2024
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RAMP A



NEW RD



RAMP A

NOTE: THE BORING DATA PROVIDED ON THE PROFILE SHEETS INDICATES THE SOIL CONDITION ONLY AT THE SPECIFIC LOCATION EACH BORING WAS PERFORMED AND ONLY TO THE DEPTH PENETRATED.

VERTICAL SCALE FEET 0 3 6 9

ADDENDA / REVISIONS	

SCALE 0 30 60 90 FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

PROFILES

SECTION
PD
SHEET NO.
80

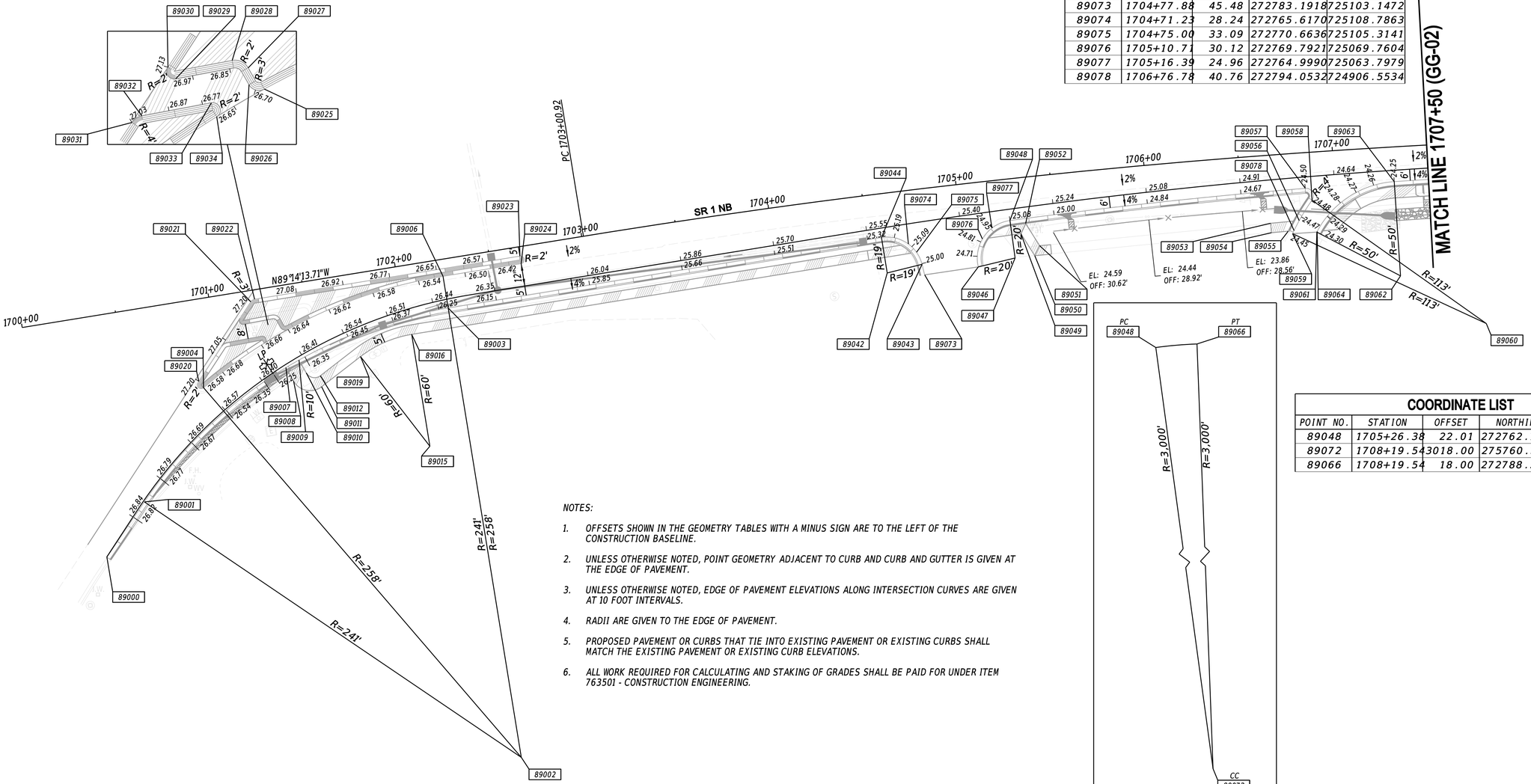
11-JUN-2024
11:44:43
Y:\SUSSEX\014\road\T201612501\Plans\PF.dgn

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
89000	1700+24.73	127.17	272855.1866	725555.3247
89001	1700+49.00	101.49	272829.8272	725530.7174
89002	1702+24.18	267.00	272997.6560	725357.7594
89003	1702+24.18	26.00	272756.6774	725354.5507
89004	1700+89.62	46.87	272775.7493	725489.3701
89006	1702+24.18	9.00	272739.6789	725354.3244

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
89007	1701+34.36	43.36	272772.8399	725444.5850
89008	1701+37.21	51.05	272780.5721	725441.8404
89009	1701+41.84	40.50	272770.0818	725437.0750
89010	1701+44.56	47.87	272777.4890	725434.4457
89011	1701+51.36	56.37	272786.0781	725427.7628
89012	1701+51.64	50.53	272780.2420	725427.4069
89015	1702+02.90	96.67	272827.0545	725376.7686
89016	1702+02.90	36.67	272767.0598	725375.9697
89019	1701+74.27	43.94	272773.9475	725404.6906
89020	1700+87.71	43.15	272772.0056	725491.2354
89021	1701+21.60	5.98	272735.2920	725456.8478
89022	1701+23.82	5.00	272734.3431	725454.6183
89023	1702+66.07	5.00	272736.2370	725312.3833
89024	1702+66.07	9.00	272740.2367	725312.4365
89025	1701+38.72	23.57	272753.1050	725439.9712

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
89026	1701+34.91	21.78	272751.2649	725443.7543
89027	1701+33.53	18.05	272747.5179	725445.0843
89028	1701+31.60	16.74	272746.1871	725446.9918
89029	1701+16.02	17.13	272746.3640	725462.5821
89030	1701+14.49	13.78	272742.9969	725464.0645
89031	1701+02.72	26.69	272755.7495	725476.0092
89032	1701+05.57	25.39	272754.4842	725473.1352
89033	1701+24.31	24.92	272754.2716	725454.3919
89034	1701+25.13	28.77	272758.1282	725453.6261
89042	1704+58.11	42.09	272778.7689	725122.4985
89043	1704+77.16	39.77	272777.4577	725103.5438
89044	1704+57.40	23.10	272759.7706	725122.2456

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
89046	1705+06.89	44.57	272783.9723	725074.4406
89047	1705+26.93	42.00	272782.6974	725054.4813
89049	1705+31.40	29.54	272770.5664	725049.2171
89050	1705+37.54	41.91	272783.3213	725044.0020
89051	1705+40.69	36.94	272778.5789	725040.5393
89052	1705+34.50	24.46	272765.7043	725045.8033
89053	1706+64.56	36.02	272788.1063	724918.1101
89054	1706+64.66	41.02	272793.0902	724918.5115
89055	1706+73.64	40.83	272793.8040	724909.6480
89056	1706+79.90	35.69	272789.3272	724902.9514
89057	1706+84.30	18.85	272773.0336	724896.8574
89058	1706+87.46	25.39	272779.8594	724894.4104
89059	1706+75.88	42.33	272795.5225	724907.5956
89060	1707+77.02	95.95	272860.1637	724814.9106
89061	1706+88.85	42.40	272796.9254	724894.8347
89062	1707+32.15	68.36	272827.4492	724855.2329
89063	1707+31.74	18.36	272777.7387	724849.8607
89064	1706+89.05	42.08	272796.6219	724894.5989
89073	1704+77.88	45.48	272783.1918	725103.1472
89074	1704+71.23	28.24	272765.6170	725108.7863
89075	1704+75.00	33.09	272770.6636	725105.3141
89076	1705+10.71	30.12	272769.7921	725069.7604
89077	1705+16.39	24.96	272764.9990	725063.7979
89078	1706+76.78	40.76	272794.0532	724906.5534



COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
89048	1705+26.38	22.01	272762.7130	725053.6912
89072	1708+19.54	3018.00	275760.3715	725172.1982
89066	1708+19.54	18.00	272788.3976	724763.0879

NOTES:

1. OFFSETS SHOWN IN THE GEOMETRY TABLES WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.
2. UNLESS OTHERWISE NOTED, POINT GEOMETRY ADJACENT TO CURB AND CURB AND GUTTER IS GIVEN AT THE EDGE OF PAVEMENT.
3. UNLESS OTHERWISE NOTED, EDGE OF PAVEMENT ELEVATIONS ALONG INTERSECTION CURVES ARE GIVEN AT 10 FOOT INTERVALS.
4. RADII ARE GIVEN TO THE EDGE OF PAVEMENT.
5. PROPOSED PAVEMENT OR CURBS THAT TIE INTO EXISTING PAVEMENT OR EXISTING CURBS SHALL MATCH THE EXISTING PAVEMENT OR EXISTING CURB ELEVATIONS.
6. ALL WORK REQUIRED FOR CALCULATING AND STAKING OF GRADES SHALL BE PAID FOR UNDER ITEM 763501 - CONSTRUCTION ENGINEERING.

13-AUG-2024
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ADDENDA / REVISIONS	

SCALE
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FEET

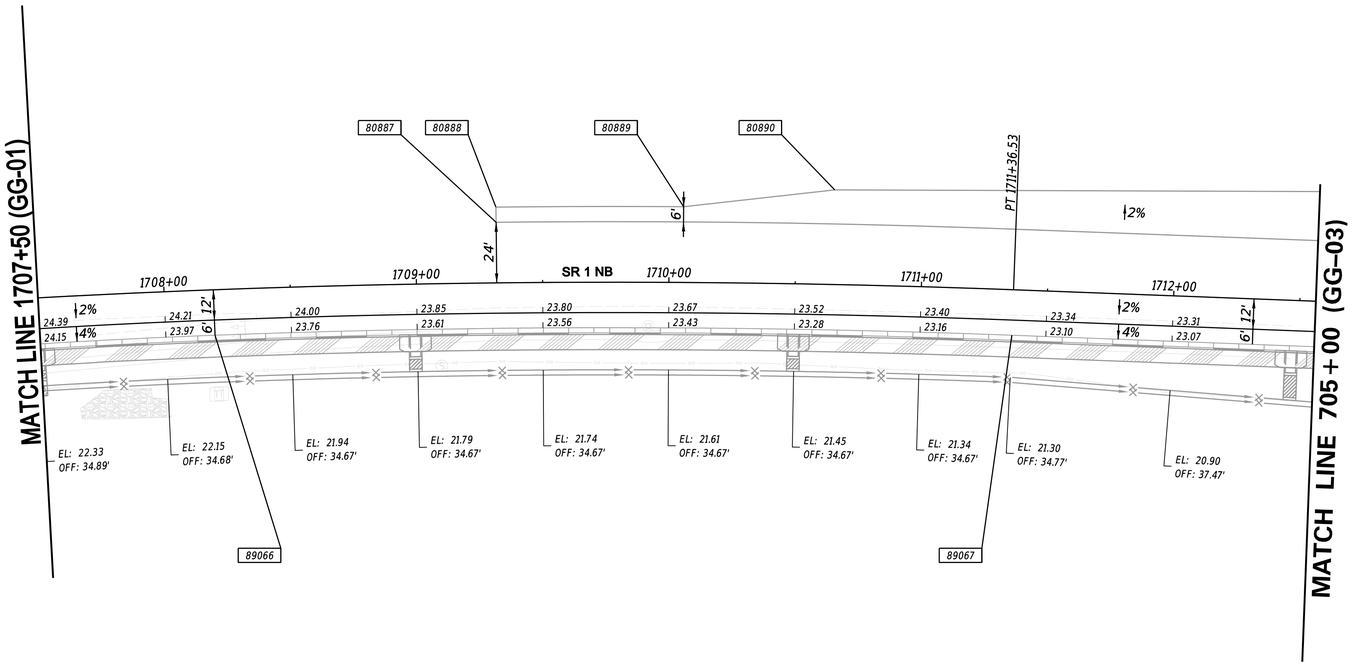
SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY:	N. RIGOLINO
COUNTY	CHECKED BY:	B. BEHRENS
SUSSEX		

GRADES AND GEOMETRICS

GG-01
SECTION
PD
SHEET NO.
81

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
89067	1711+36.53	18.00	272843.1937	724452.3244
80887	409+31.82	-24.00	272763.6829	724645.7102
80888	409+31.82	-30.00	272757.7629	724644.7333
80889	410+05.65	-30.00	272770.5121	724571.4813
80890	410+64.90	-37.50	272774.3165	724511.4091



NOTES:

1. *OFFSETS SHOWN IN THE GEOMETRY TABLES WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.*
2. *UNLESS OTHERWISE NOTED, POINT GEOMETRY ADJACENT TO CURB AND CURB AND GUTTER IS GIVEN AT THE EDGE OF PAVEMENT.*
3. *UNLESS OTHERWISE NOTED, EDGE OF PAVEMENT ELEVATIONS ALONG INTERSECTION CURVES ARE GIVEN AT 10 FOOT INTERVALS.*
4. *RADII ARE GIVEN TO THE EDGE OF PAVEMENT.*
5. *PROPOSED PAVEMENT OR CURBS THAT TIE INTO EXISTING PAVEMENT OR EXISTING CURBS SHALL MATCH THE EXISTING PAVEMENT OR EXISTING CURB ELEVATIONS.*
6. *ALL WORK REQUIRED FOR CALCULATING AND STAKING OF GRADES SHALL BE PAID FOR UNDER ITEM 763501 - CONSTRUCTION ENGINEERING.*

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	T201612501
COUNTY	SUSSEX
BRIDGE NO.	X
DESIGNED BY:	N. RIGOLINO
CHECKED BY:	B. BEHRENS

GRADES AND GEOMETRICS

SECTION	GG-02
SHEET NO.	PD
	82

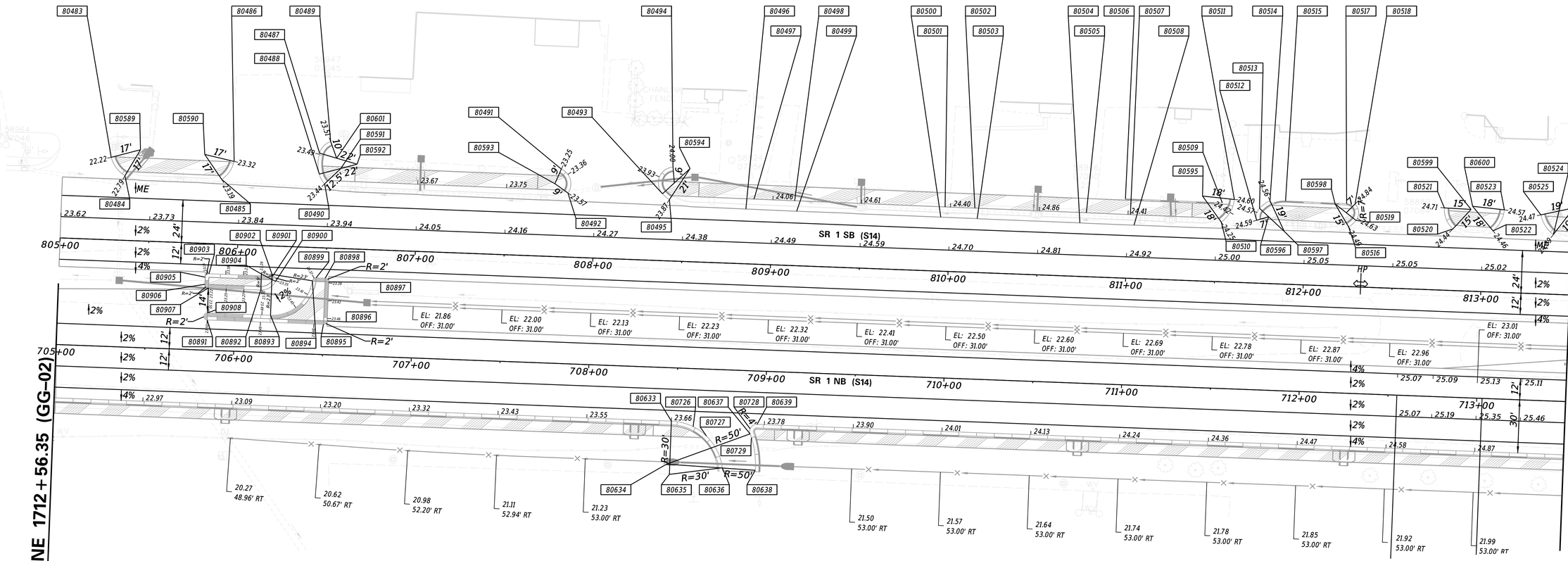
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COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80483	805+27.04	-46.39	272740.8012	724280.0321
80484	805+35.13	-36.37	272752.3062	724274.2306
80485	805+89.63	-36.32	272763.8357	724220.9697
80486	805+96.23	-46.66	272755.1164	724212.3394
80487	806+44.12	-53.17	272758.8419	724164.1475
80488	806+44.38	-41.39	272770.4144	724166.3754
80489	806+50.07	-59.98	272753.4398	724156.8976
80490	806+47.61	-36.07	272776.2991	724164.3423
80491	807+80.38	-49.35	272791.2874	724031.7518
80492	807+84.60	-36.06	272805.1676	724030.4275

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80493	808+37.80	-37.63	272814.8371	723978.0925
80494	808+43.14	-52.88	272801.0552	723969.6550
80495	808+41.79	-34.46	272818.7807	723974.8573
80496	808+84.99	-30.84	272831.4209	723933.3985
80497	808+89.36	-36.57	272826.7335	723927.9085
80498	809+12.27	-36.50	272831.6350	723905.5353
80499	809+13.63	-30.69	272837.6021	723905.4296
80500	809+94.78	-30.37	272855.0039	723826.1701
80501	809+97.00	-36.21	272849.7669	723822.7705
80502	810+13.74	-36.15	272853.3508	723806.4114

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80503	810+15.25	-30.29	272859.3949	723806.1754
80504	810+73.13	-30.09	272871.7876	723749.6372
80505	810+76.58	-35.94	272866.7981	723745.0296
80506	810+98.20	-44.61	272862.8717	723722.0649
80507	811+01.32	-35.85	272872.0924	723720.8636
80508	811+03.60	-30.00	272878.2982	723719.8679
80509	811+52.77	-44.43	272874.5488	723668.7636
80510	811+52.58	-33.58	272885.1135	723671.2347
80511	811+59.48	-46.57	272873.8717	723661.7508
80512	811+72.47	-35.32	272887.6091	723651.4230

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80513	811+73.80	-42.15	272881.2043	723648.6809
80514	811+79.52	-46.64	272878.0234	723642.1442
80515	811+88.30	-46.81	272879.7101	723633.5295
80516	812+24.30	-33.56	272900.2413	723601.1206
80517	812+22.69	-46.56	272887.1970	723599.9583
80518	812+27.47	-46.57	272888.1969	723595.2845
80519	812+28.33	-37.36	272897.3808	723596.3902
80520	812+82.99	-34.61	272911.5780	723543.5320
80521	812+77.78	-46.26	272899.0923	723546.1739
80522	813+05.62	-34.40	272916.5610	723521.4498



COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80523	813+11.53	-46.44	272906.0289	723513.1369
80524	813+39.60	-33.57	272924.5247	723488.4087
80525	813+32.19	-44.40	272912.3796	723493.3769
80589	805+43.33	-51.26	272739.4704	724263.0843
80590	805+79.56	-50.02	272748.3227	724227.9229
80591	806+56.35	-45.00	272769.4035	724153.9164
80592	806+65.45	-47.75	272768.6353	724144.4475
80593	807+77.07	-40.98	272798.7681	724036.7557
80594	808+52.77	-52.36	272803.5882	723960.3594
80595	811+41.52	-47.79	272868.8987	723679.0502
80596	811+79.09	-37.57	272886.7964	723644.4704
80597	811+88.17	-29.72	272896.3828	723637.2523
80598	812+16.20	-46.19	272886.1951	723606.3842
80599	812+92.77	-45.98	272902.5250	723531.5719
80600	812+93.58	-47.77	272900.9465	723530.4045
80601	806+53.82	-50.71	272763.2934	724155.1929

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80633	708+47.62	30.00	272941.6729	723995.3807
80634	708+45.82	54.29	272965.0406	724002.2571
80635	708+47.62	60.00	272970.9996	724001.7011
80636	708+77.23	55.14	272972.4876	723971.7381
80637	708+92.16	35.50	272956.4355	723953.0032
80638	708+95.80	55.89	272977.1269	723953.7399
80639	708+95.87	30.00	272951.8368	723948.2201
80726	708+59.99	32.67	272946.8854	723983.8520
80727	708+67.65	37.67	272953.3875	723977.4150
80728	708+92.09	32.67	272953.6491	723952.4685
80729	708+92.98	37.67	272958.7231	723952.6578

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80891	705+84.44	-17.00	272840.2816	724242.7493
80892	706+13.94	-35.00	272828.9006	724210.1197
80893	706+19.94	-21.00	272843.8504	724207.2039
80894	706+42.78	-41.24	272828.8753	724180.6184
80895	706+49.91	-17.00	272854.0749	724178.7484
80896	706+51.91	-19.00	272852.5412	724176.3719
80897	706+51.91	-41.00	272831.0349	724171.7369
80898	806+49.91	17.00	272828.6585	724173.2707
80899	806+44.76	17.00	272827.5731	724178.3067
80900	806+22.08	19.86	272825.5863	724201.0871
80901	806+20.27	17.00	272822.4126	724202.2517
80902	806+19.94	16.00	272821.3666	724202.3583
80903	805+84.44	17.00	272814.8652	724237.2716
80904	806+13.94	16.00	272820.1026	724208.2236
80905	705+82.44	-41.00	272816.3989	724239.6481
80906	705+82.44	-37.00	272820.3092	724240.4908
80907	705+84.44	-35.00	272822.6856	724238.9570
80908	705+84.44	-21.00	272836.3714	724241.9065

NOTES:

1. OFFSETS SHOWN IN THE GEOMETRY TABLES WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.
2. UNLESS OTHERWISE NOTED, POINT GEOMETRY ADJACENT TO CURB AND CURB AND GUTTER IS GIVEN AT THE EDGE OF PAVEMENT.
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13-AUG-2024
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ADDENDA / REVISIONS

SCALE
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FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	T201612501
COUNTY	SUSSEX
BRIDGE NO.	X
DESIGNED BY: N. RIGOLINO	
CHECKED BY: B. BEHRENS	

GRADES AND GEOMETRICS

	GG-03
SECTION	PD
SHEET NO.	83

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
80004	713+84.32	-16.00	273009.7775	723461.0347
80005	713+84.32	24.00	273048.8797	723469.4618
*80006	715+60.23	-17.00	273040.6176	723288.8562
*80007	902+51.68	-3.00	273087.2394	723220.2744
80008	902+98.19	18.00	273117.5668	723179.2325
*80009	903+10.35	-3.00	273099.6008	723162.9176
80010	903+36.95	59.78	273166.5507	723148.8995
80011	903+31.55	-7.05	273099.9140	723141.4155
80012	903+72.52	38.66	273152.3264	723108.8437
80013	903+96.68	16.00	273133.7713	723080.9619

* - POINT GEOMETRY IS GIVEN AT P.C.C. FOOTING

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
80014	906+41.33	16.00	273147.1463	722834.0349
80015	907+68.03	16.16	273142.4204	722707.4521
80016	815+46.62	12.00	273012.6875	723295.6428
*80017	815+57.82	17.00	273019.9273	723285.6523
80018	816+35.64	-53.73	272965.1041	723196.4662
80019	816+56.05	-52.10	272970.0599	723177.0899
80020	816+56.29	-32.11	272989.8275	723180.1298
80021	816+69.77	-32.24	272991.8327	723166.9937
80022	816+69.51	-62.33	272962.0823	723162.4861
80023	816+95.50	-46.24	272981.8549	723139.8599

* - POINT GEOMETRY IS GIVEN AT P.C.C. FOOTING

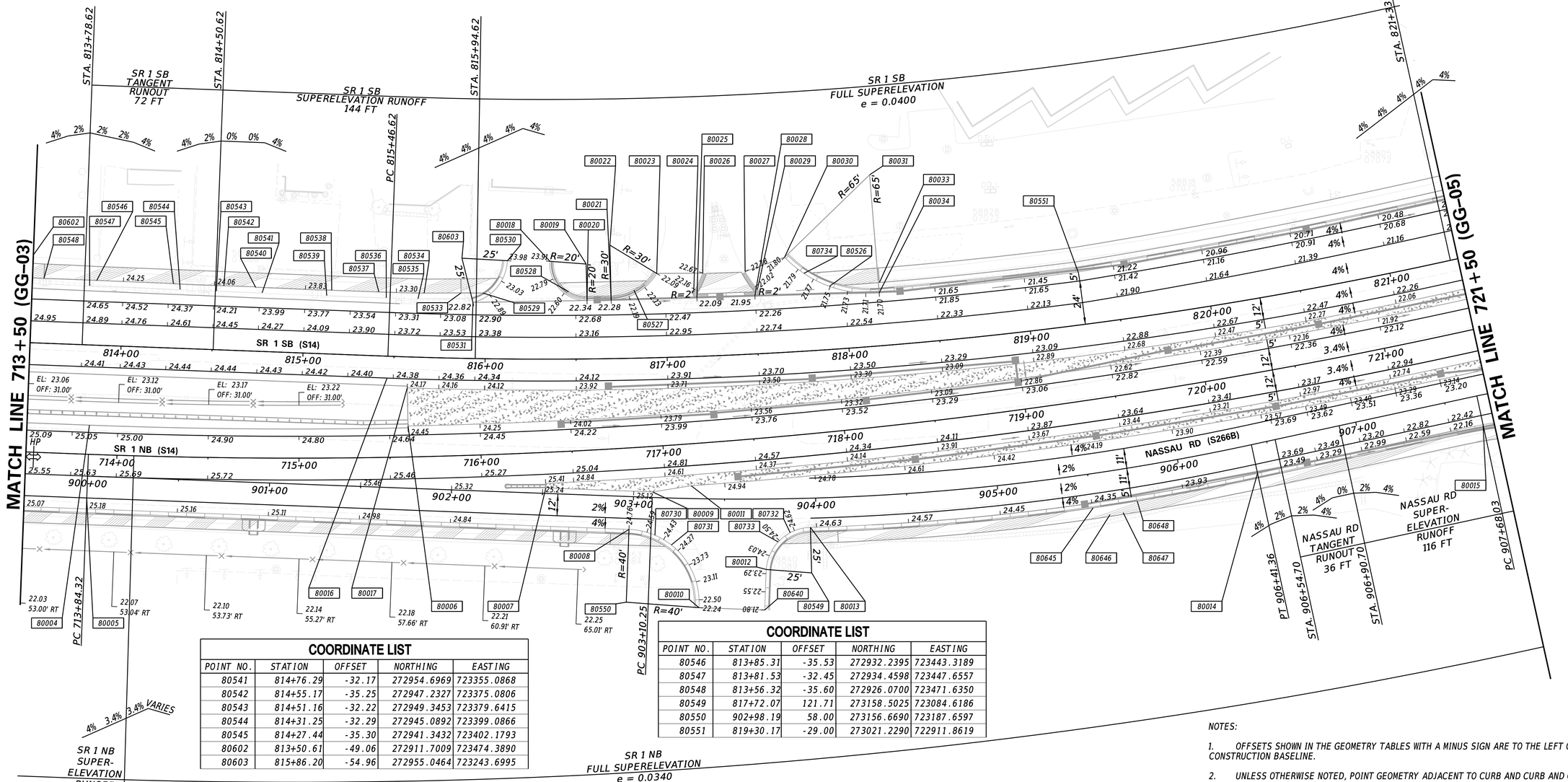
COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
80024	817+15.88	-35.45	272995.3915	723121.5916
80025	817+17.55	-32.33	272998.7072	723120.3873
80026	817+21.24	-45.59	272986.0649	723114.9766
80027	817+45.02	-45.45	272989.2576	723091.8867
80028	817+49.82	-32.06	273003.1334	723088.8727
80029	817+51.42	-35.30	273000.1051	723086.9106
80030	817+67.57	-52.11	272985.3055	723069.1757
80031	818+18.91	-94.00	272948.8656	723015.3507
80033	818+19.56	-34.67	273007.9975	723020.2758
80034	818+18.91	-29.00	273013.5793	723021.4441

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
80645	905+50.33	18.67	273150.1883	722926.2269
80646	905+58.83	23.66	273155.4166	722917.7329
80647	905+65.98	23.66	273155.5714	722910.4511
80648	905+74.48	18.67	273150.7086	722901.7427
*80730	903+12.51	20.67	273123.1991	723165.7562
80731	903+21.52	25.72	273130.0238	723157.8223
80732	903+85.69	18.67	273134.7337	723092.3676
80733	903+79.09	23.67	273138.6194	723099.7733
80734	817+77.81	-42.67	272995.8331	723060.2846

* - POINT GEOMETRY IS GIVEN AT P.C.C. FOOTING



COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
80541	814+76.29	-32.17	272954.6969	723355.0868
80542	814+55.17	-35.25	272947.2327	723375.0806
80543	814+51.16	-32.22	272949.3453	723379.6415
80544	814+31.25	-32.29	272945.0892	723399.0866
80545	814+27.44	-35.30	272941.3432	723402.1793
80602	813+50.61	-49.06	272911.7009	723474.3890
80603	815+86.20	-54.96	272955.0464	723243.6995

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
80546	813+85.31	-35.53	272932.2395	723443.3189
80547	813+81.53	-32.45	272934.4598	723447.6557
80548	813+56.32	-35.60	272926.0700	723471.6350
80549	817+72.07	121.71	273158.5025	723084.6186
80550	902+98.19	58.00	273156.6690	723187.6597
80551	819+30.17	-29.00	273021.2290	722911.8619

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
80526	817+91.60	-34.67	273005.2571	723047.6770
80527	816+82.57	-37.32	272988.7689	723153.7494
80528	816+46.11	-36.97	272983.3632	723189.2152
80529	815+98.28	-36.02	272975.8963	723235.6957
80530	816+11.78	-53.94	272960.7485	723219.3585

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
80531	815+92.81	-30.82	272979.9867	723241.9722
80532	815+90.22	-33.19	272977.1645	723244.0262
80533	815+86.08	-35.92	272973.6977	723247.5068
80534	815+65.52	-35.28	272970.3151	723267.4658
80535	815+62.17	-32.11	272972.7504	723271.3492

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
80536	815+44.52	-31.97	272969.2624	723288.4262
80537	815+40.32	-35.03	272965.3831	723291.8853
80538	815+14.43	-35.05	272959.9101	723317.1909
80539	815+11.78	-31.98	272962.3597	723320.4267
80540	814+72.62	-35.07	272951.0796	723358.0622
80640	903+71.50	60.91	273174.1011	723113.5478

NOTES:

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ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

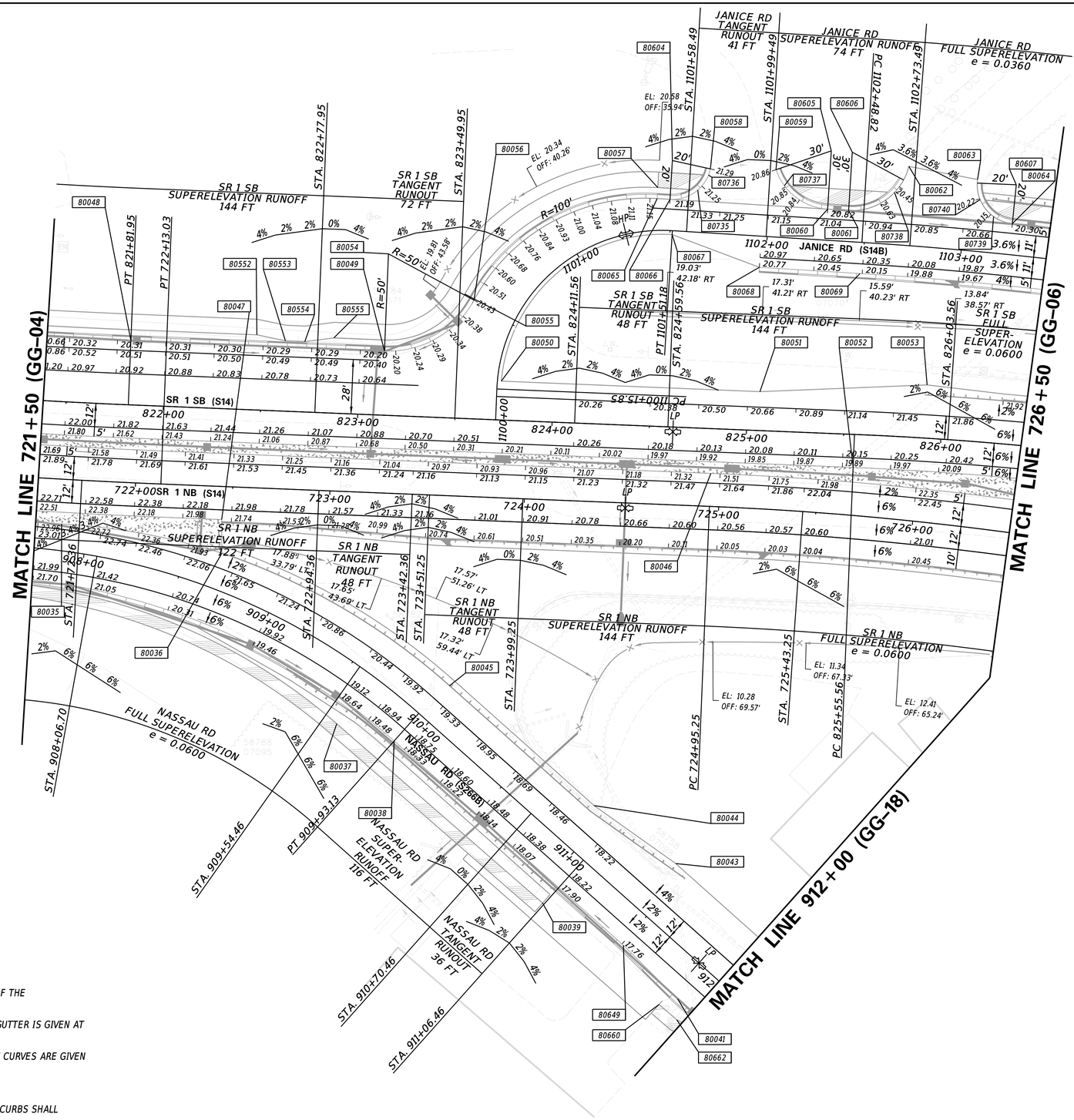
CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

GRADES AND GEOMETRICS

GG–04

SECTION	SHEET NO.
PD	84

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COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
*80035	907+86.68	-13.70	273112.3610	722689.1992
*80036	908+66.68	-18.58	273118.7254	722605.7050
80037	909+62.39	30.77	273199.6971	722537.8177
80038	909+93.13	19.00	273205.4219	722507.5445
80039	911+05.54	30.41	273280.3162	722422.9442
80041	911+90.21	21.00	273322.1118	722348.7116
80043	911+43.26	-30.27	273253.0787	722356.8942
80044	910+91.96	-24.59	273227.7309	722401.8575
80045	909+95.45	-21.00	273174.3003	722482.3027
*80046	724+95.25	-17.00	273051.6133	722360.0493
*80047	722+44.99	17.00	273101.5400	722607.6173
80048	821+81.95	-33.00	273014.9441	722663.6436
80049	823+12.41	-33.00	273006.6054	722533.4553
80050	823+73.04	-20.00	273015.7036	722472.1228
80051	825+06.10	-20.00	273007.1982	722339.3315
*80052	825+55.56	17.00	273040.9610	722287.6069
80053	825+91.22	-27.33	272994.7916	722254.2420
80054	823+12.41	-83.00	272956.7077	722536.6513
80055	1100+52.83	-29.12	272973.1667	722495.4824
80056	1100+52.35	-23.47	272975.7785	722490.4312
80057	1101+44.15	-22.03	272908.3501	722402.5051
80058	1101+68.74	-32.91	272895.9921	722376.6165
80059	1102+02.43	-34.61	272892.8536	722343.0318
80060	1102+30.18	-16.00	272910.2593	722314.5092
80061	1102+40.98	-16.00	272909.7977	722303.7128
80062	1102+70.01	-40.64	272884.0460	722275.2929
80063	1103+05.02	-36.83	272887.0706	722239.4769
80064	1103+24.73	-16.00	272907.7623	722219.3417
80065	1101+43.76	-16.39	272914.0116	722402.2630
80066	1101+49.33	-16.02	272913.7283	722395.6356
80067	1101+51.18	2.00	272931.6179	722392.6706
80068	1101+97.00	16.00	272943.6475	722346.2905
80069	1102+48.82	16.00	272941.4339	722294.5224
80552	822+46.47	-38.67	273005.1655	722599.6268
80553	822+61.32	-36.17	273006.7110	722584.6449
80554	822+71.32	-36.17	273006.0718	722574.6654
80555	822+86.11	-38.67	273002.6315	722560.0652
80604	1101+49.63	-36.02	272893.7465	722396.4900
80605	1102+30.18	-46.00	272880.2867	722315.7908
80606	1102+40.98	-46.00	272879.8251	722304.9945
80607	1103+24.73	-36.11	272887.6528	722219.3758
80649	911+51.01	19.00	273297.6001	722379.3685
80660	911+84.92	29.49	273325.9193	722357.9648
80662	911+96.92	29.36	273332.8127	722348.1424
80735	1101+62.93	-21.67	272907.4709	722381.9421
80736	1101+67.95	-29.67	272899.2636	722377.2661
80737	1102+07.24	-26.67	272900.5824	722337.8834
80738	1102+63.71	-26.73	272898.1607	722281.2499
80739	1103+14.87	-18.67	272905.1391	722229.3064
80740	1103+07.27	-26.67	272897.2093	722237.0695

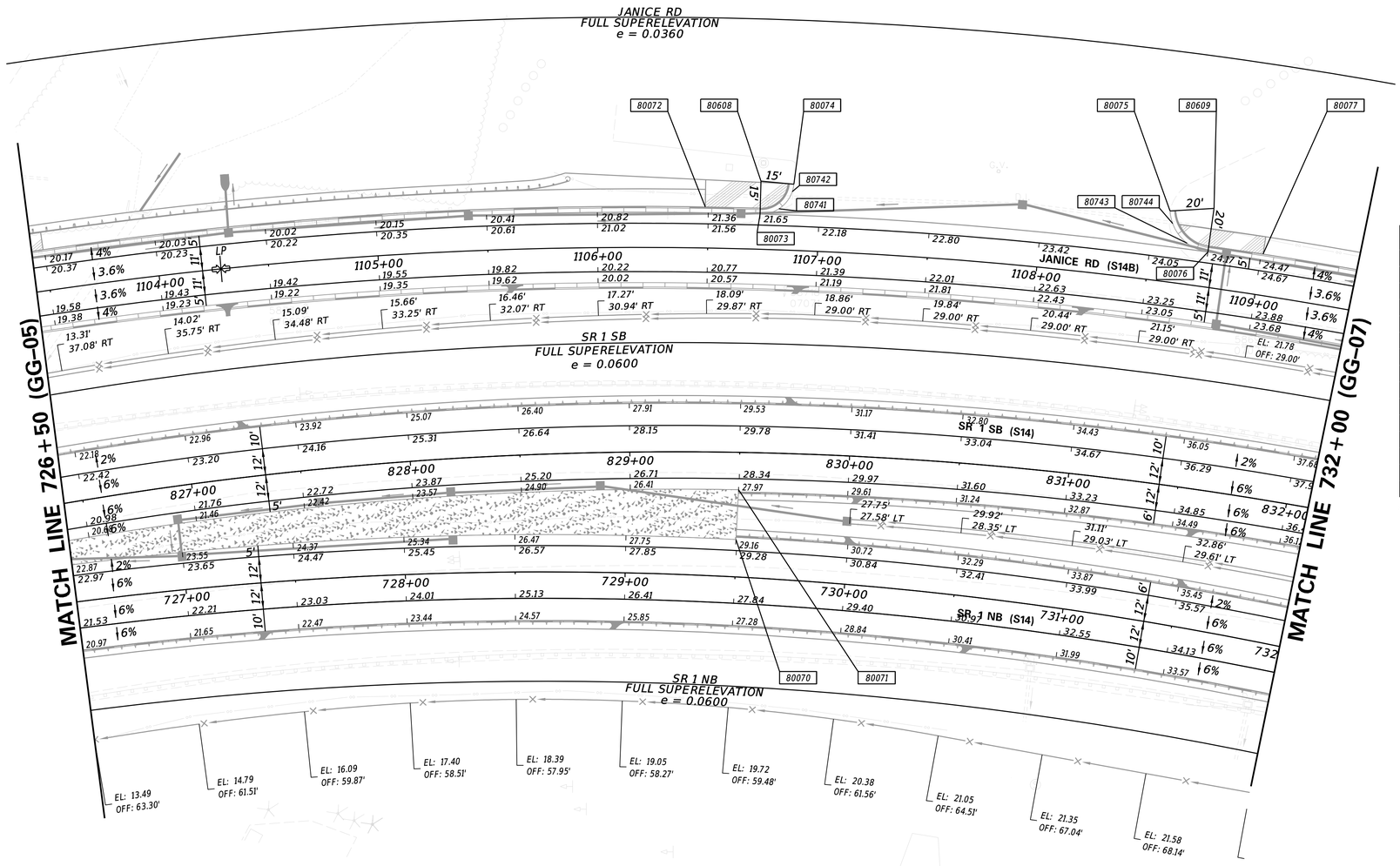
* - POINT GEOMETRY IS GIVEN AT P.C.C. FOOTING

NOTES:

1. *OFFSETS SHOWN IN THE GEOMETRY TABLES WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.*
2. *UNLESS OTHERWISE NOTED, POINT GEOMETRY ADJACENT TO CURB AND CURB AND GUTTER IS GIVEN AT THE EDGE OF PAVEMENT.*
3. *UNLESS OTHERWISE NOTED, EDGE OF PAVEMENT ELEVATIONS ALONG INTERSECTION CURVES ARE GIVEN AT 10 FOOT INTERVALS.*
4. *RADII ARE GIVEN TO THE EDGE OF PAVEMENT.*
5. *PROPOSED PAVEMENT OR CURBS THAT TIE INTO EXISTING PAVEMENT OR EXISTING CURBS SHALL MATCH THE EXISTING PAVEMENT OR EXISTING CURB ELEVATIONS.*
6. *ALL WORK REQUIRED FOR CALCULATING AND STAKING OF GRADES SHALL BE PAID FOR UNDER ITEM 763501 - CONSTRUCTION ENGINEERING.*

ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	GRADES AND GEOMETRICS	GG-05 SECTION PD
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SHEET NO. 85
					CHECKED BY: B. BEHRENS		

19-AUG-2024
16:45
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COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
*80070	729+49.59	-17.00	273084.7456	721903.6940
*80071	829+49.77	17.00	273062.5488	721898.9881
80072	1106+48.61	-18.67	272933.1062	721893.8215
80073	1106+73.36	-16.00	272940.2038	721869.7207
80074	1106+88.09	-30.09	272929.2003	721852.4084
80075	1108+56.87	-32.18	272968.0050	721685.2788
80076	1108+76.15	-16.00	272989.1084	721671.2175
80077	1109+00.90	-18.67	272994.0189	721646.5780
80608	1106+73.36	-31.00	272925.4646	721866.9358
80609	1108+76.15	-36.00	272969.9803	721665.3766
80741	1106+81.78	-18.67	272939.1824	721860.8677
80742	1106+87.50	-26.67	272932.4396	721853.6561
80743	1108+66.31	-18.67	272983.6828	721679.9452
80744	1108+58.75	-26.67	272973.8331	721685.0020

** - POINT GEOMETRY IS GIVEN AT P.C.C. FOOTING*

NOTES:

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2. UNLESS OTHERWISE NOTED, POINT GEOMETRY ADJACENT TO CURB AND CURB AND GUTTER IS GIVEN AT THE EDGE OF PAVEMENT.

3. UNLESS OTHERWISE NOTED, EDGE OF PAVEMENT ELEVATIONS ALONG INTERSECTION CURVES ARE GIVEN AT 10 FOOT INTERVALS.

4. RADII ARE GIVEN TO THE EDGE OF PAVEMENT.

5. PROPOSED PAVEMENT OR CURBS THAT TIE INTO EXISTING PAVEMENT OR EXISTING CURBS SHALL MATCH THE EXISTING PAVEMENT OR EXISTING CURB ELEVATIONS.

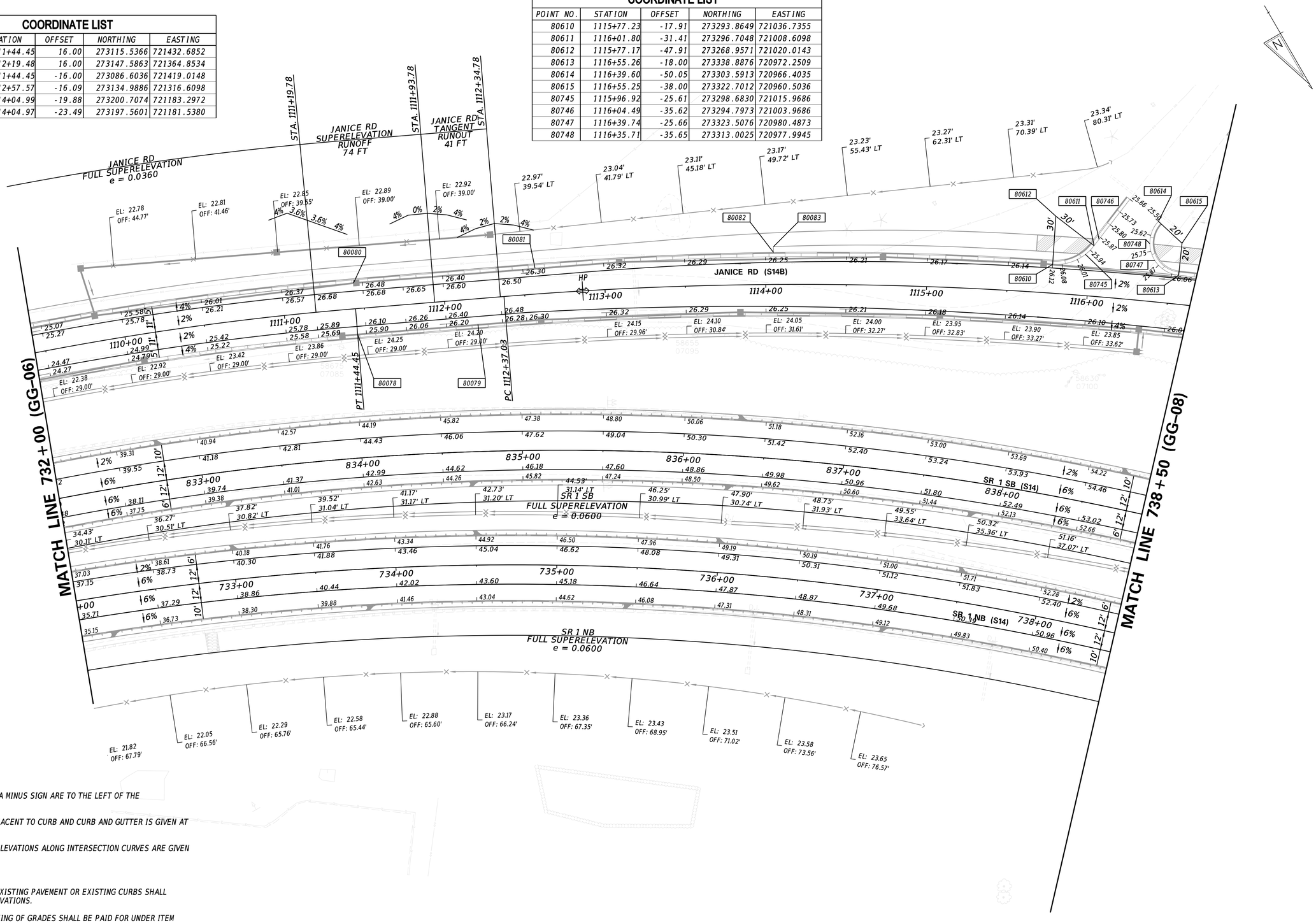
6. ALL WORK REQUIRED FOR CALCULATING AND STAKING OF GRADES SHALL BE PAID FOR UNDER ITEM 763501 - CONSTRUCTION ENGINEERING.

13-AUG-2024
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ADDENDA / REVISIONS	SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO.	X	GRADES AND GEOMETRICS	GG–06
	0 30 60 90 FEET		T201612501	DESIGNED BY: N. RIGOLINO			SECTION PD
			COUNTY SUSSEX	CHECKED BY: B. BEHRENS			SHEET NO. 86

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80078	1111+44.45	16.00	273115.5366	721432.6852
80079	1112+19.48	16.00	273147.5863	721364.8534
80080	1111+44.45	-16.00	273086.6036	721419.0148
80081	1112+57.57	-16.09	273134.9886	721316.6098
80082	1114+04.99	-19.88	273200.7074	721183.2972
80083	1114+04.97	-23.49	273197.5601	721181.5380

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80610	1115+77.23	-17.91	273293.8649	721036.7355
80611	1116+01.80	-31.41	273296.7048	721008.6098
80612	1115+77.17	-47.91	273268.9571	721020.0143
80613	1116+55.26	-18.00	273338.8876	720972.2509
80614	1116+39.60	-50.05	273303.5913	720966.4035
80615	1116+55.25	-38.00	273322.7012	720960.5036
80745	1115+96.92	-25.61	273298.6830	721015.9686
80746	1116+04.49	-35.62	273294.7973	721003.9686
80747	1116+39.74	-25.66	273323.5076	720980.4873
80748	1116+35.71	-35.65	273313.0025	720977.9945



NOTES:

1. OFFSETS SHOWN IN THE GEOMETRY TABLES WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.

2. UNLESS OTHERWISE NOTED, POINT GEOMETRY ADJACENT TO CURB AND CURB AND GUTTER IS GIVEN AT THE EDGE OF PAVEMENT.

3. UNLESS OTHERWISE NOTED, EDGE OF PAVEMENT ELEVATIONS ALONG INTERSECTION CURVES ARE GIVEN AT 10 FOOT INTERVALS.

4. RADII ARE GIVEN TO THE EDGE OF PAVEMENT.

5. PROPOSED PAVEMENT OR CURBS THAT TIE INTO EXISTING PAVEMENT OR EXISTING CURBS SHALL MATCH THE EXISTING PAVEMENT OR EXISTING CURB ELEVATIONS.

6. ALL WORK REQUIRED FOR CALCULATING AND STAKING OF GRADES SHALL BE PAID FOR UNDER ITEM 763501 - CONSTRUCTION ENGINEERING.

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

GRADES AND GEOMETRICS

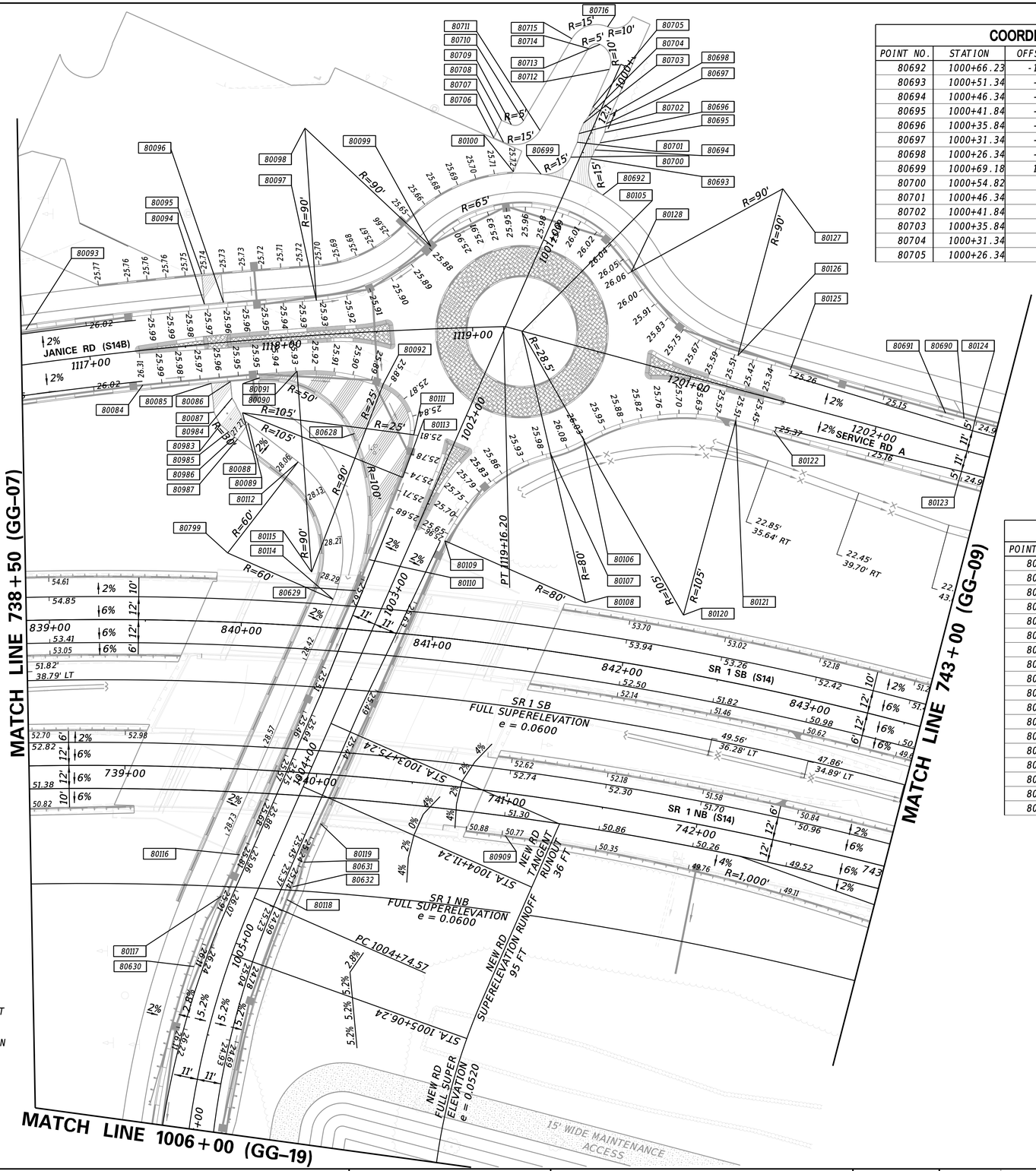
GG-07	
SECTION	PD
SHEET NO.	87

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COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80084	1117+25.80	18.00	273410.0135	720937.4420
80085	1117+61.74	20.67	273434.1697	720911.1136
80086	1117+71.83	20.67	273440.4413	720903.3246
80087	1117+61.75	35.74	273445.9365	720920.5315
80088	1117+76.72	37.40	273456.4739	720910.1156
80089	1117+79.28	43.14	273462.5198	720911.7901
80090	1118+07.13	18.00	273460.6017	720874.6001
80091	1117+87.24	20.00	273449.5665	720891.0665
80092	1118+52.05	27.39	273496.5940	720846.8530
80093	1116+68.78	-18.00	273346.9294	720961.2440
80094	1117+61.92	-20.67	273402.0336	720885.1185
80095	1117+61.98	-36.42	273389.7806	720875.2225
80096	1117+71.83	-20.67	273408.3055	720877.3298
80097	1118+19.74	-18.00	273441.1484	720841.7894
80098	1118+19.74	-108.00	273372.4016	720783.7042
80099	1118+80.00	-43.04	273462.2913	720779.2493
80100	1000+73.82	28.64	273464.2227	720721.3443
80105	1001+48.30	-8.93	273527.2141	720776.0291
80106	1195+54.76	46.44	273590.1878	720792.1254
80107	1002+00.27	-47.96	273583.0255	720809.3435
80108	1002+64.24	-96.00	273651.7263	720850.3338
80109	1002+64.24	-16.00	273577.6927	720880.6493
80110	1002+89.04	16.00	273557.4770	720915.7238
80111	1002+20.14	21.01	273526.7256	720853.8599
80112	1002+57.36	70.50	273495.0384	720907.0575
80113	1002+42.88	17.38	273538.7010	720873.5274
80114	1003+15.58	25.00	273559.2048	720943.6953
80115	1003+07.10	41.00	273541.1864	720941.9136
80116	1004+57.02	16.00	273621.1318	721071.1775
80117	1004+80.42	16.04	273630.0763	721093.0209
80118	1004+68.51	-16.00	273655.0987	721069.6830
80119	1004+25.19	-16.00	273638.6840	721029.5965
80120	1196+28.69	121.00	273691.9185	720818.1227
80121	1196+28.69	16.00	273637.9881	720728.0310
80122	1201+49.14	16.00	273655.5340	720717.5277
80123	1202+48.93	16.00	273741.1554	720666.2733
80124	1202+48.93	-16.00	273724.7195	720638.8168
80125	1201+49.14	-17.00	273638.5845	720689.2132
80126	1201+20.85	-17.00	273614.3158	720703.7408
80127	1201+20.85	-107.00	273568.0897	720626.5194
80628	1118+35.32	52.39	273504.7719	720875.6288
80629	1003+06.72	16.00	273564.1755	720932.0841
80630	1005+18.38	16.49	273646.5554	721128.7296
80631	1004+47.15	-16.00	273647.0062	721049.9203
80632	1004+61.19	-16.00	273652.3260	721062.9116
80690	1197+43.14	-16.06	273719.7250	720641.7390
80691	1197+33.14	-16.16	273711.0938	720646.7890

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80692	1000+66.23	-18.82	273505.2630	720696.3338
80693	1000+51.34	-5.61	273487.4016	720687.5609
80694	1000+46.34	-5.61	273485.5053	720682.9345
80695	1000+41.84	-6.61	273484.7239	720678.3914
80696	1000+35.84	-6.61	273482.4484	720672.8397
80697	1000+31.34	-5.61	273479.8164	720669.0552
80698	1000+26.34	-5.60	273477.9201	720664.4287
80699	1000+69.18	15.03	273475.0552	720711.8954
80700	1000+54.82	4.39	273479.4676	720694.5713
80701	1000+46.34	4.39	273476.2524	720686.7271
80702	1000+41.84	5.39	273473.6205	720682.9426
80703	1000+35.84	5.39	273471.3449	720677.3908
80704	1000+31.34	4.39	273470.5635	720672.8478
80705	1000+26.34	4.40	273468.6672	720668.2213

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80706	100+061.74	45.16	273444.3560	720716.4217
80707	100+061.76	39.62	273449.4925	720714.3483
80708	100+051.74	45.11	273440.6128	720707.1487
80709	100+051.76	39.57	273445.7493	720705.0753
80710	100+047.36	34.58	273448.6969	720699.1061
80711	100+048.54	24.65	273458.3351	720696.4408
80712	100+004.87	4.40	273460.5312	720648.3535
80713			273447.7578	720642.7828
80714			273445.1107	720648.6191
80715			273435.4724	720651.2844
80716			273443.9174	720633.5441
80799	1003+15.58	85.00	273503.6796	720966.4320
80909	741+01.66	22.00	273709.9660	720964.6594
80983	1117+64.56	42.63	273453.0366	720922.6941
80984	1117+71.90	29.34	273447.2330	720908.7267
80985	1117+68.52	46.62	273458.5843	720922.1709
80986	1117+71.46	49.69	273462.7746	720921.8584
80987	1117+72.81	50.91	273464.5526	720921.5996



NOTES:

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6. ALL WORK REQUIRED FOR CALCULATING AND STAKING OF GRADES SHALL BE PAID FOR UNDER ITEM 763501 - CONSTRUCTION ENGINEERING.

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

GRADES AND GEOMETRICS

GG-08
SECTION PD
SHEET NO. 88

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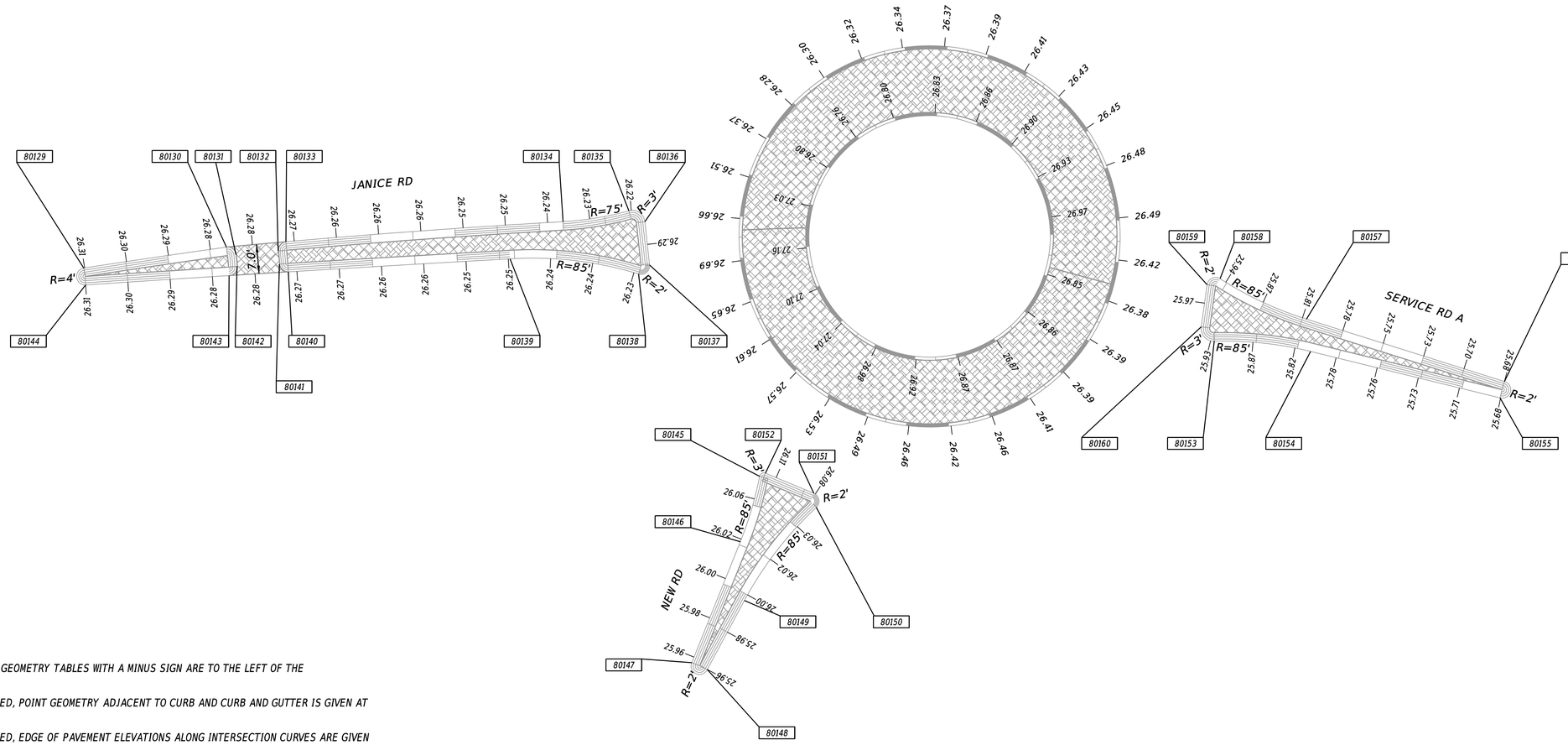
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80129	1117+25.80	-2.46	273393.8426	720924.9049
80130	1117+59.75	-4.00	273413.6817	720897.2427
80131	1117+61.84	-1.99	273416.5559	720896.8657
80132	1117+71.83	-2.00	273422.8191	720889.0700
80133	1117+73.83	-4.00	273422.5231	720886.2558
80134	1118+39.33	-4.00	273464.5758	720835.8871
80135	1118+54.96	-5.71	273473.5362	720822.9311
80136	1118+58.60	-2.95	273478.0088	720821.9993
80137	1118+59.20	7.30	273486.1216	720828.2974
80138	1118+56.51	9.30	273485.8621	720831.6279
80139	1118+26.31	4.00	273462.1944	720850.9831
80140	1117+73.78	3.13	273428.0349	720890.7841
80141	1117+71.92	1.13	273425.3087	720890.9680
80142	1117+61.83	0.76	273418.6896	720898.5916
80143	1117+59.77	2.75	273418.9552	720901.4424
80144	1117+25.80	1.53	273397.0049	720927.3482

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
80145	1002+16.29	5.03	273540.0583	720844.2424
80146	1002+32.24	2.99	273547.9872	720858.2296
80147	1002+62.99	2.00	273560.5593	720886.3082
80148	1002+62.99	-2.00	273564.2610	720884.7924
80149	1002+44.55	-3.47	273558.6401	720867.1768
80150	1002+16.20	-10.80	273554.6771	720838.1581
80150	1002+17.61	-10.18	273554.6333	720839.7017
80151	1002+14.82	-8.30	273551.8383	720837.8282

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
80153	1200+80.33	6.67	273591.7063	720744.8640
80154	1201+02.93	3.07	273609.2413	720730.1669
80155	1201+48.97	2.00	273648.2017	720705.6002
80156	1201+48.97	-2.00	273646.1472	720702.1682
80157	1200+99.99	-4.03	273603.0710	720725.5848
80158	1195+77.82	-7.94	273582.0477	720733.6216
80159	1195+75.23	-5.78	273580.9346	720736.8023
80160	1200+76.49	4.18	273587.1268	720744.6966



NOTES:

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2. UNLESS OTHERWISE NOTED, POINT GEOMETRY ADJACENT TO CURB AND CURB AND GUTTER IS GIVEN AT THE EDGE OF PAVEMENT.

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JANICE RD/SERVICE RD A /NEW RD

ROUNDABOUT APRON AND SPLITTER ISLANDS

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GG-08A

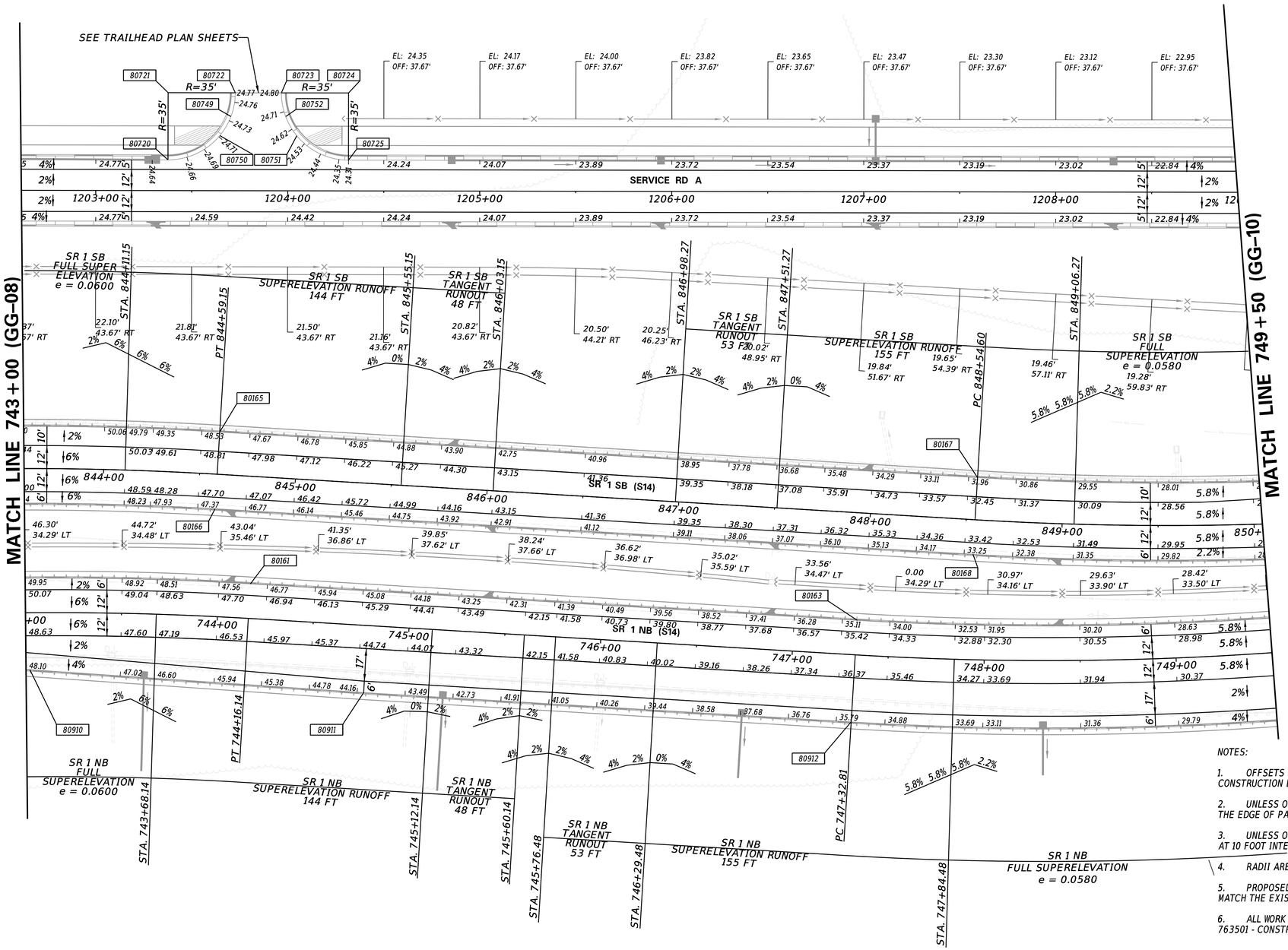
ADDENDA / REVISIONS					

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

GRADES AND GEOMETRICS

SECTION	
PD	
SHEET NO.	
89	



COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
80161	744+16.14	-18.00	273951.4019	720760.5560
80163	747+32.81	-18.00	274232.1302	720614.0236
80165	844+59.15	-22.00	273896.9398	720700.9972
80166	844+59.15	18.00	273915.4489	720736.4572
80167	848+54.60	-22.00	274247.5065	720518.0112
80168	848+54.60	18.00	274266.0156	720553.4712
80720	1203+37.61	-16.00	273800.8115	720593.2669
80721	1203+37.61	-51.00	273782.8347	720563.2363
80722	1203+72.61	-51.00	273812.8652	720545.2595
80723	1203+96.61	-51.00	273833.4576	720532.9326
80724	1204+31.61	-51.00	273863.4882	720514.9558
80725	1204+31.61	-16.00	273881.4650	720544.9863
80749	1203+70.37	-38.67	273817.2734	720556.9950
80750	1203+64.56	-28.67	273817.4278	720568.5574
80751	1204+04.66	-28.67	273851.8369	720547.9595
80752	1203+98.86	-38.67	273841.7186	720542.3617
80910	743+02.06	29.64	273875.9655	720857.9951
80911	744+78.40	35.00	274031.1236	720778.7291
80912	747+32.81	35.00	274256.6548	720661.0081

NOTES:

1. OFFSETS SHOWN IN THE GEOMETRY TABLES WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.
2. UNLESS OTHERWISE NOTED, POINT GEOMETRY ADJACENT TO CURB AND CURB AND GUTTER IS GIVEN AT THE EDGE OF PAVEMENT.
3. UNLESS OTHERWISE NOTED, EDGE OF PAVEMENT ELEVATIONS ALONG INTERSECTION CURVES ARE GIVEN AT 10 FOOT INTERVALS.
4. RADII ARE GIVEN TO THE EDGE OF PAVEMENT.
5. PROPOSED PAVEMENT OR CURBS THAT TIE INTO EXISTING PAVEMENT OR EXISTING CURBS SHALL MATCH THE EXISTING PAVEMENT OR EXISTING CURB ELEVATIONS.
6. ALL WORK REQUIRED FOR CALCULATING AND STAKING OF GRADES SHALL BE PAID FOR UNDER ITEM 763501 - CONSTRUCTION ENGINEERING.

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GG–09

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

GRADES AND GEOMETRICS

SECTION PD
SHEET NO. 90

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
*80173	752+18.68	-17.00	274620.6532	720333.7628
*80174	755+09.15	-17.00	274807.9695	720116.1357
80175	755+09.15	20.00	274838.0085	720137.7380
80177	851+16.96	-25.60	274464.5029	720377.7730
80178	851+88.73	-27.44	274519.1576	720333.0052
*80179	852+64.24	17.00	274605.2800	720318.1216
80180	856+30.93	-29.00	274815.4543	720016.6631
*80181	856+30.93	17.00	274852.8001	720043.5201
80182	1211+50.85	16.00	274515.0186	720203.0259
80183	1211+50.85	-16.00	274498.5827	720175.5694

* - POINT GEOMETRY IS GIVEN AT P.C.C. FOOTING

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
80913	751+97.88	-1464.00	273608.5482	719299.5976
**80914	751+83.76	35.99	274631.8598	720396.3352
**80915	754+72.51	32.91	274826.3451	720175.3663
80916	934+58.67	-16.00	274617.2256	720487.5664
80917	934+58.67	-46.00	274592.8696	720470.0510
80918	751+07.87	35.00	274573.3982	720447.2286
80919	935+24.67	-16.00	274655.7594	720433.9834
80920	935+14.67	-26.00	274641.8023	720436.2635
80921	935+24.67	-26.00	274647.6407	720428.1449
80922	935+14.67	-46.00	274625.5650	720424.5866
80923	751+52.12	32.42	274605.6490	720415.5287
80924	751+57.52	20.00	274601.3925	720402.6426

** - POINT GEOMETRY IS GIVEN AT CENTER OF BARRIER

NOTES:

1. OFFSETS SHOWN IN THE GEOMETRY TABLES WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.

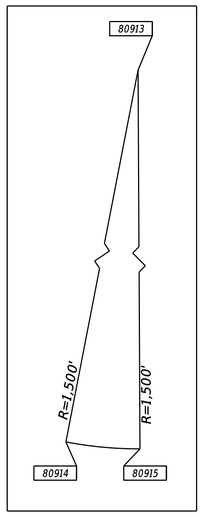
2. UNLESS OTHERWISE NOTED, POINT GEOMETRY ADJACENT TO CURB AND CURB AND GUTTER IS GIVEN AT THE EDGE OF PAVEMENT.

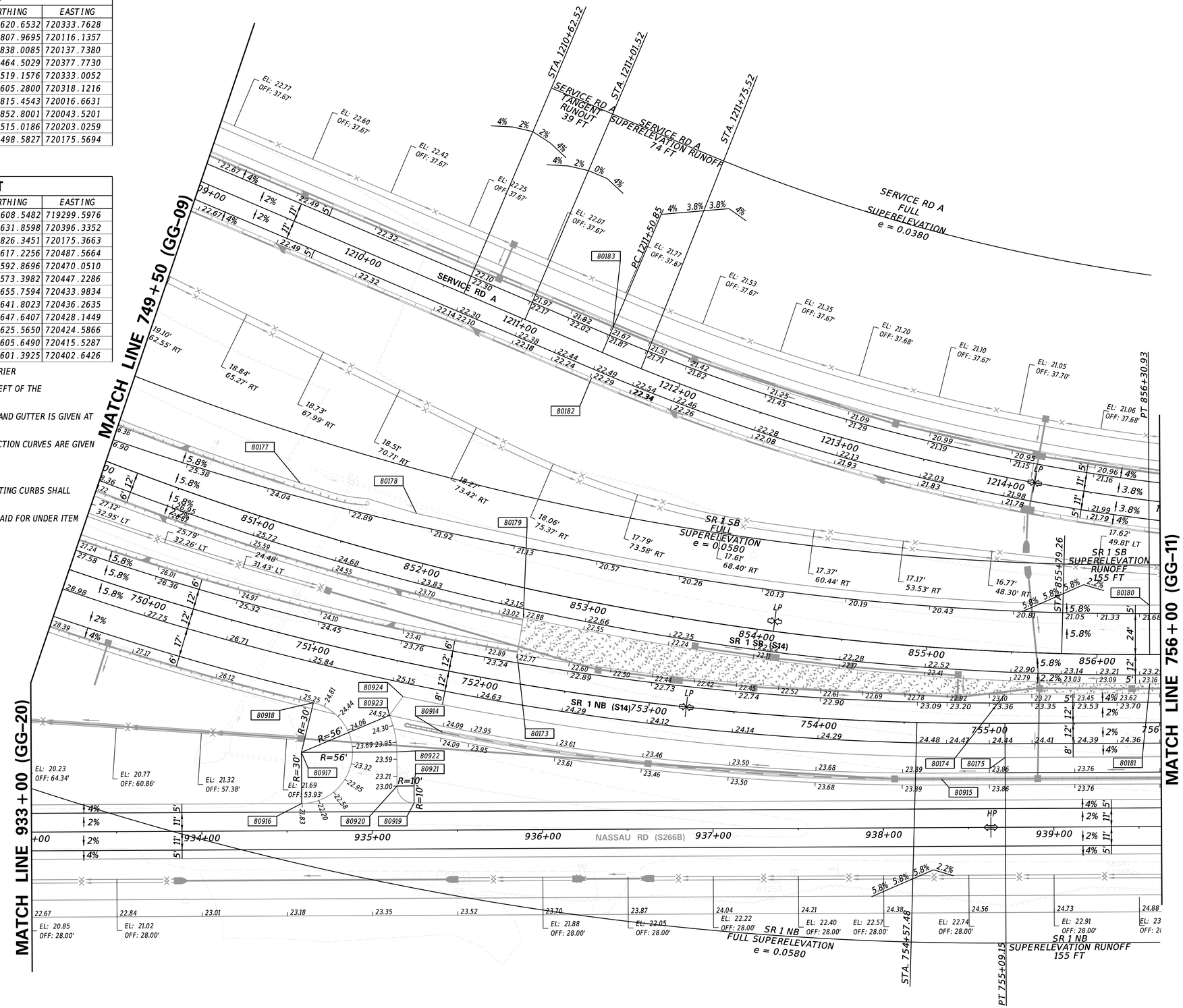
3. UNLESS OTHERWISE NOTED, EDGE OF PAVEMENT ELEVATIONS ALONG INTERSECTION CURVES ARE GIVEN AT 10 FOOT INTERVALS.

4. RADII ARE GIVEN TO THE EDGE OF PAVEMENT.

5. PROPOSED PAVEMENT OR CURBS THAT TIE INTO EXISTING PAVEMENT OR EXISTING CURBS SHALL MATCH THE EXISTING PAVEMENT OR EXISTING CURB ELEVATIONS.

6. ALL WORK REQUIRED FOR CALCULATING AND STAKING OF GRADES SHALL BE PAID FOR UNDER ITEM 763501 - CONSTRUCTION ENGINEERING.





ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	GRADES AND GEOMETRICS	GG–10
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SECTION PD
					CHECKED BY: B. BEHRENS		SHEET NO. 91

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NOTES:

1. OFFSETS SHOWN IN THE GEOMETRY TABLES WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.

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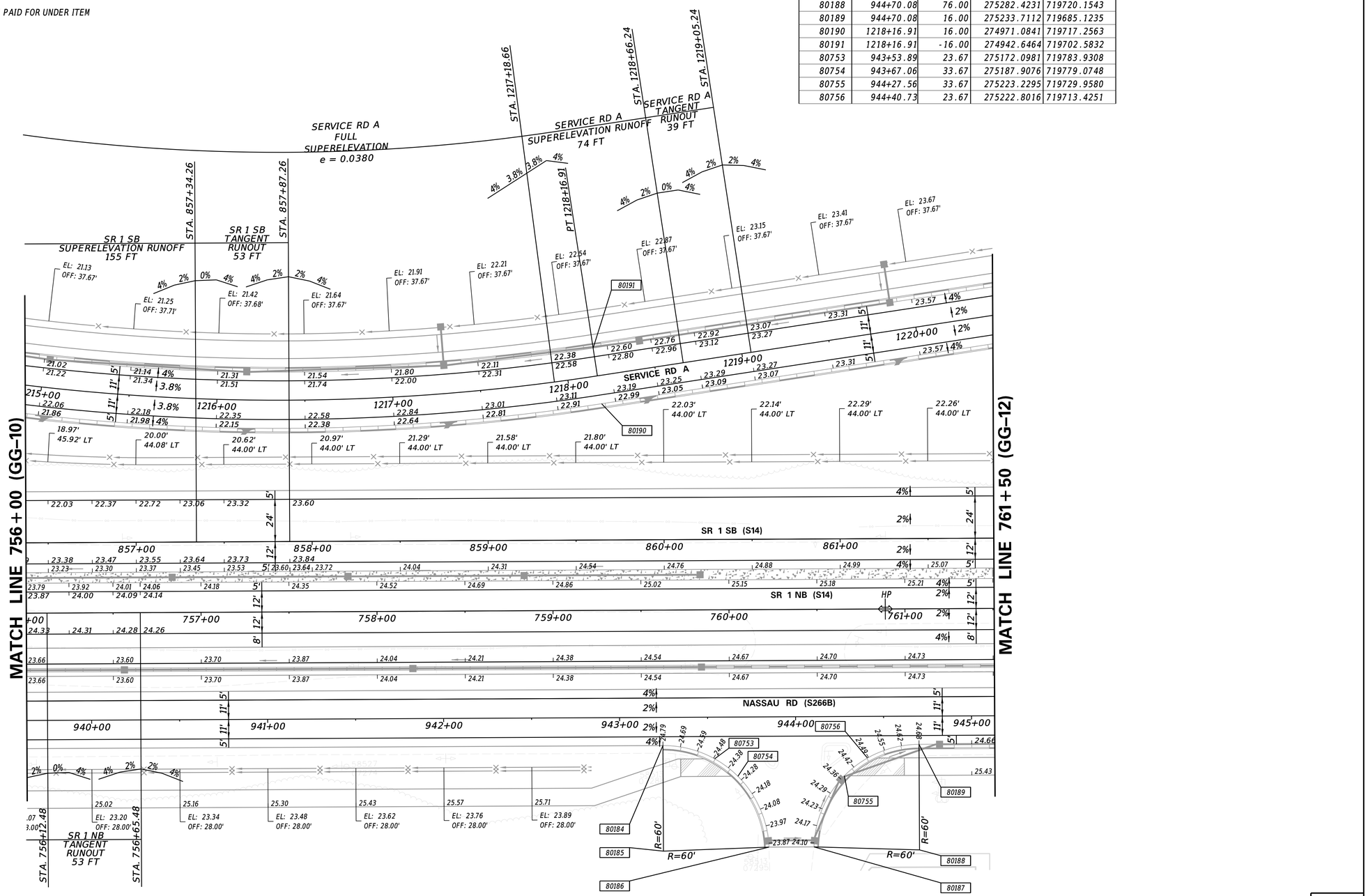
4. RADII ARE GIVEN TO THE EDGE OF PAVEMENT.

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COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
80184	943+24.54	16.00	275148.7399	719803.2801
80185	943+24.54	76.00	275197.4518	719838.3108
80186	943+84.51	74.00	275230.8393	719788.4583
80187	944+10.11	74.00	275245.7881	719767.6714
80188	944+70.08	76.00	275282.4231	719720.1543
80189	944+70.08	16.00	275233.7112	719685.1235
80190	1218+16.91	16.00	274971.0841	719717.2563
80191	1218+16.91	-16.00	274942.6464	719702.5832
80753	943+53.89	23.67	275172.0981	719783.9308
80754	943+67.06	33.67	275187.9076	719779.0748
80755	944+27.56	33.67	275223.2295	719729.9580
80756	944+40.73	23.67	275222.8016	719713.4251



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ADDENDA / REVISIONS	SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO.	X	GRADES AND GEOMETRICS	GG–11
	0 30 60 90 FEET		T201612501	DESIGNED BY: N. RIGOLINO			SECTION PD
			COUNTY SUSSEX	CHECKED BY: B. BEHRENS			SHEET NO. 92

COORDINATE LIST

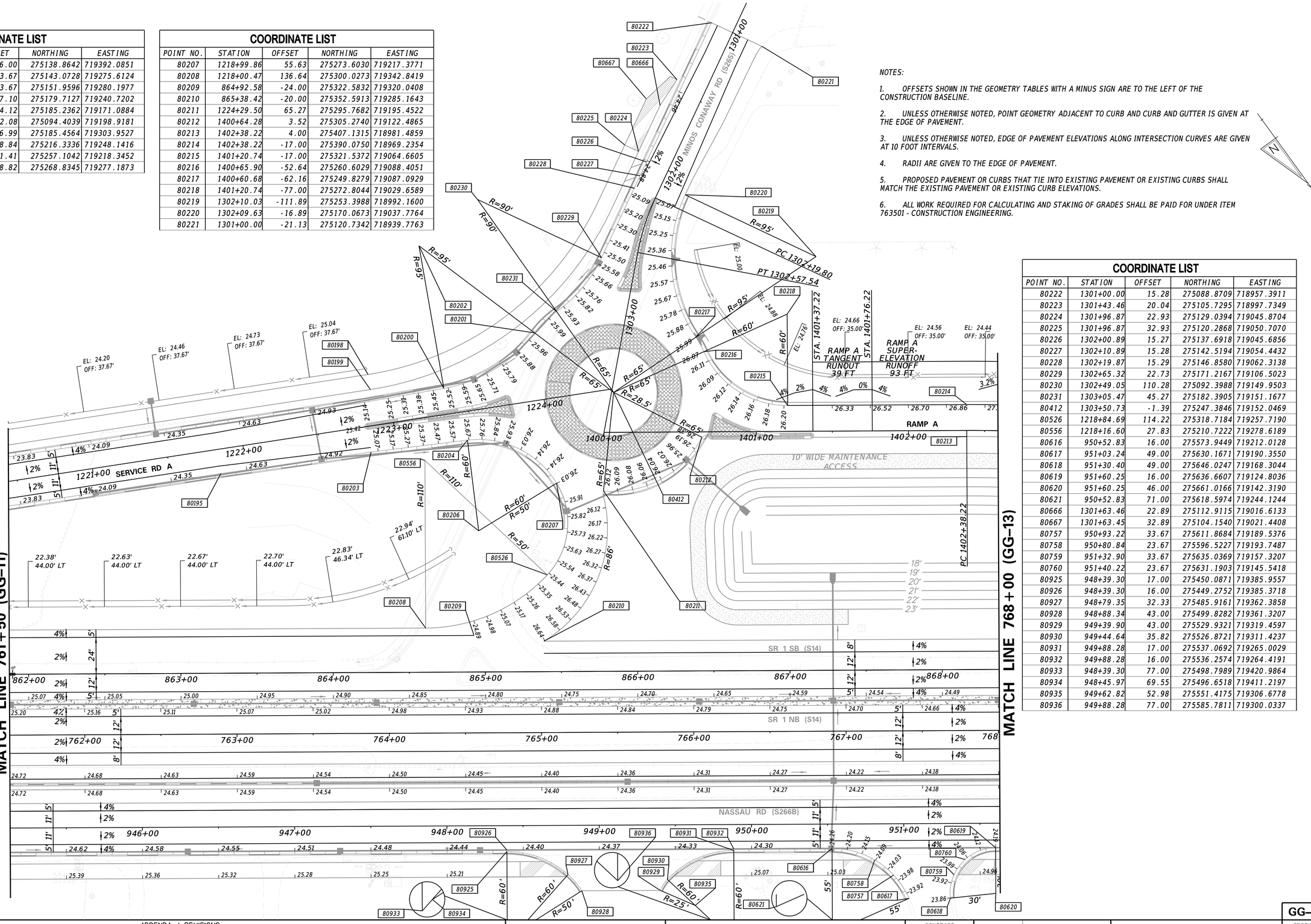
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80195	1221+82.81	16.00	275138.8642	719392.0851
80198	1217+88.25	-33.67	275143.0728	719275.6124
80199	1217+88.25	-23.67	275151.9596	719280.1977
80200	1223+36.06	-17.10	275179.7127	719240.7202
80201	1224+00.47	-44.12	275185.2362	719171.0884
80202	1223+34.09	-112.08	275094.4039	719198.9181
80203	1222+82.50	16.99	275185.4564	719303.9527
80204	1223+46.26	18.84	275216.3336	719248.1416
80205	1223+91.43	41.41	275257.1042	719218.3452
80206	1223+44.52	78.82	275268.8345	719277.1873

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
80207	1218+99.86	55.63	275273.6030	719217.3771
80208	1218+00.47	136.64	275300.0273	719342.8419
80209	864+92.58	-24.00	275322.5832	719320.0408
80210	865+38.42	-20.00	275352.5913	719285.1643
80211	1224+29.50	65.27	275295.7682	719195.4522
80212	1400+64.28	3.52	275305.2740	719122.4865
80213	1402+38.22	4.00	275407.1315	718981.4859
80214	1402+38.22	-17.00	275390.0750	718969.2354
80215	1401+20.74	-17.00	275321.5372	719064.6605
80216	1400+65.90	-52.64	275260.6029	719088.4051
80217	1400+60.68	-62.16	275249.8279	719087.0929
80218	1401+20.74	-77.00	275272.8044	719029.6589
80219	1302+10.03	-111.89	275253.3988	718992.1600
80220	1302+09.63	-16.89	275170.0673	719037.7764
80221	1301+00.00	-21.13	275120.7342	718939.7763

NOTES:

1. OFFSETS SHOWN IN THE GEOMETRY TABLES WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.
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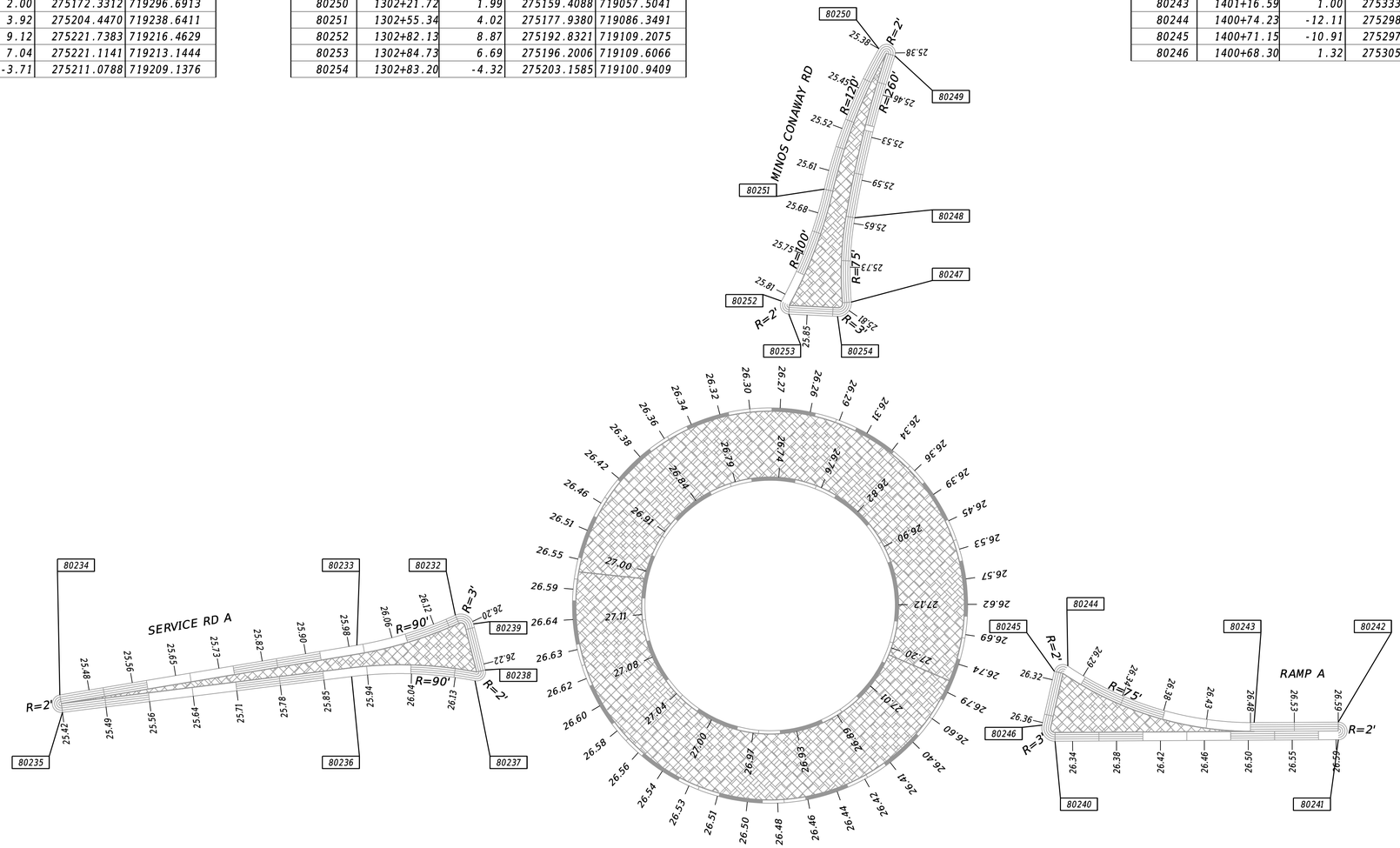
ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	GRADES AND GEOMETRICS	GG-12 SECTION PD
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SHEET NO. 93
					CHECKED BY: B. BEHRENS		

13-AUG-2024
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COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80232	1223+74.71	-6.31	275207.0270	719211.3235
80233	1223+51.51	-2.94	275199.3860	719233.4836
80234	1222+82.93	-2.00	275168.7765	719294.8572
80235	1222+82.93	2.00	275172.3312	719296.6913
80236	1223+49.25	3.92	275204.4470	719238.6411
80237	1218+76.89	9.12	275221.7383	719216.4629
80238	1218+79.55	7.04	275221.1141	719213.1444
80239	1223+78.51	-3.71	275211.0788	719209.1376

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80247	1302+79.42	-6.79	275202.3652	719096.4916
80248	1302+60.42	-4.03	275187.3089	719084.5693
80249	1302+21.68	-1.99	275162.8490	719055.5022
80250	1302+21.72	1.99	275159.4088	719057.5041
80251	1302+55.34	4.02	275177.9380	719086.3491
80252	1302+82.13	8.87	275192.8321	719109.2075
80253	1302+84.73	6.69	275196.2006	719109.6066
80254	1302+83.20	-4.32	275203.1585	719100.9409

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80240	1400+71.22	5.00	275310.5225	719117.7088
80241	1401+35.74	5.00	275348.1574	719065.3097
80242	1401+35.74	1.00	275344.9086	719062.9763
80243	1401+16.59	1.00	275333.7399	719078.5264
80244	1400+74.23	-12.11	275298.3794	719105.2862
80245	1400+71.15	-10.91	275297.5560	719108.4838
80246	1400+68.30	1.32	275305.8285	719117.9347



NOTES:

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SERVICE RD A/MINOS CONAWAY RD/RAMP A
ROUNDABOUT APRON AND SPLITTER ISLANDS

NOTES:

1. OFFSETS SHOWN IN THE GEOMETRY TABLES WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.

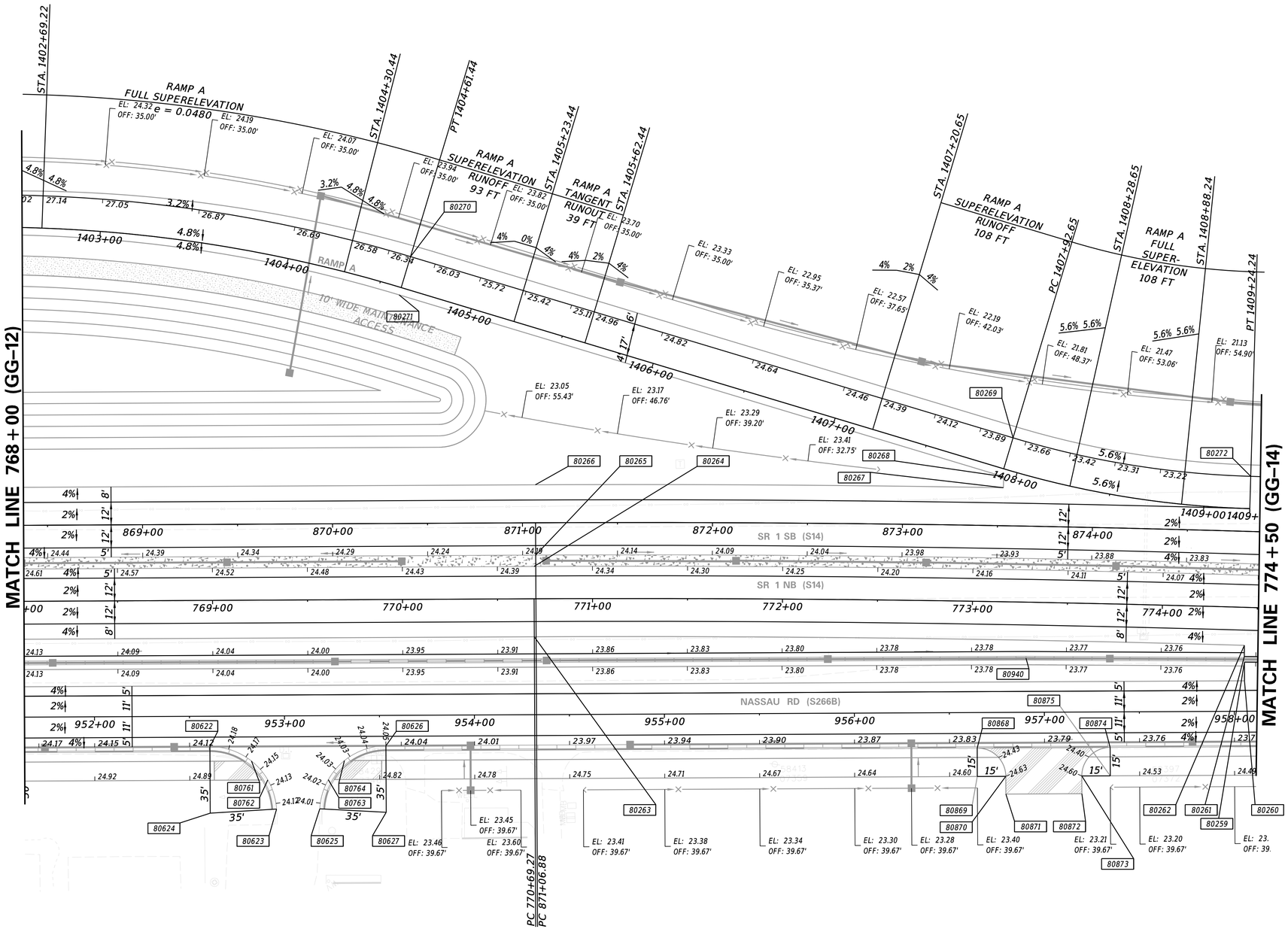
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COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
80259	958+05.42	-25.80	275979.4025	718576.6028
80260	958+05.42	-16.00	275987.3627	718582.3273
80261	774+43.92	25.89	275976.9668	718574.8511
80262	774+43.72	20.00	275972.1840	718571.4116
80263	770+69.27	20.00	275748.8802	718871.1286
*80264	770+69.27	-17.00	275718.8412	718849.5263
*80265	871+06.88	17.00	275714.5220	718845.2557
80266	871+06.88	-20.00	275684.4830	718823.6534
80267	873+52.82	-20.00	275830.5400	718625.2295
80268	1407+93.77	4.00	275825.8912	718621.7276
80269	1407+92.65	-17.00	275812.2792	718605.6967
80270	1404+61.44	-17.00	275548.6724	718806.2228
80271	1404+61.44	4.00	275561.3866	718822.9365
80272	1409+24.24	-17.00	275902.2170	718516.3852
80622	952+60.66	16.00	275695.2880	719043.2796
80623	952+95.60	49.00	275742.4808	719034.1777
80624	952+60.66	51.00	275723.7033	719063.7142
80625	953+18.36	49.00	275755.7689	719015.6999
80626	953+53.31	16.00	275749.3786	718968.0641
80627	953+53.31	51.00	275777.7939	718988.4987
80761	952+82.52	23.67	275714.2756	719030.0079
80762	952+91.07	33.67	275727.3837	719028.9083
80763	953+22.90	33.67	275745.9688	719003.0647
80764	953+31.45	23.67	275742.8396	718990.2882
80868	956+64.55	18.67	275933.2630	718716.9318
80869	956+64.55	33.67	275945.4410	718725.6895
80870	956+79.55	33.67	275954.1987	718713.5115
80871	956+79.55	43.00	275961.7761	718718.9607
80872	957+19.55	43.00	275985.1299	718686.4861
80873	957+19.55	33.67	275977.5525	718681.0369
80874	957+34.55	33.67	275986.3102	718668.8590
80875	957+34.55	18.67	275974.1322	718660.1013
**80940	956+90.48	-28.50	275910.1087	718668.3427

* - POINT GEOMETRY IS GIVEN AT P.C.C. FOOTING

** - POINT GEOMETRY IS GIVEN AT CENTER OF BARRIER

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

GRADES AND GEOMETRICS

GG-13

SECTION	SHEET NO.
PD	95

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NOTES:

1. OFFSETS SHOWN IN THE GEOMETRY TABLES WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.

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COORDINATE LIST

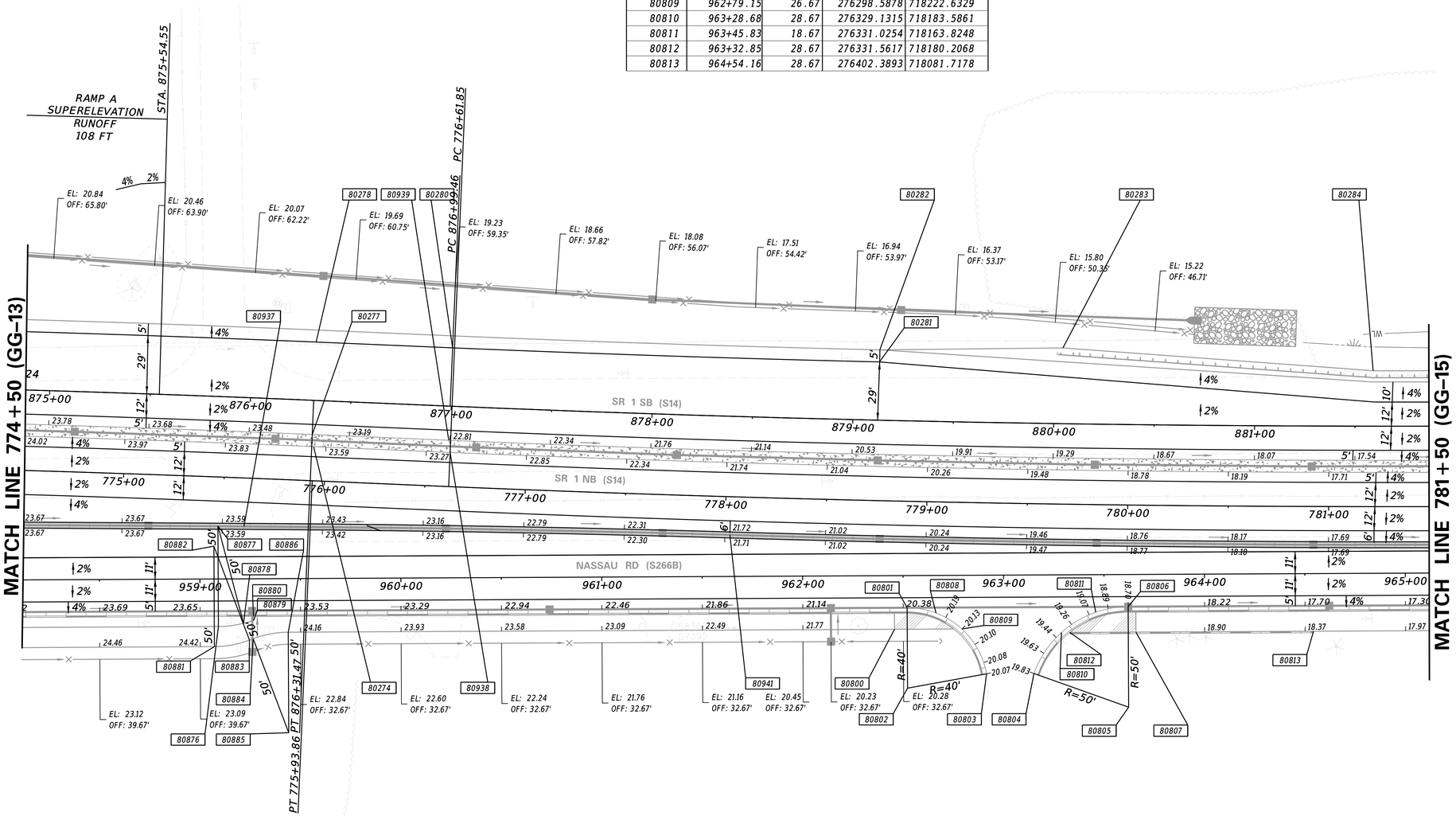
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80274	775+93.86	-17.00	276035.5558	718430.3809
80275	776+61.85	-17.00	276077.8132	718377.1214
80277	876+31.47	17.00	276030.2679	718427.3922
80278	876+31.47	-29.00	275994.2327	718398.8009
80279	876+99.46	17.00	276072.5253	718374.1327
80280	876+99.46	-29.00	276036.4900	718345.5414
80281	879+12.62	-29.00	276167.0263	718177.7345
80282	879+12.62	-35.00	276162.2553	718174.0962
80283	880+04.04	-37.68	276215.0785	718099.7921
80284	881+59.00	-27.60	276314.9885	717981.5208
80800	962+45.62	26.67	276279.0108	718249.8556
80801	962+51.95	16.00	276274.0504	718238.4837
80802	962+51.95	56.00	276306.5250	718261.8375
80803	962+91.34	49.00	276323.8354	718225.7772
80804	963+14.92	49.00	276337.6049	718206.6300
80805	963+61.94	66.00	276378.8598	718178.3804
80806	963+61.94	16.00	276338.2666	718149.1881
80807	963+65.77	28.67	276350.7840	718153.4772
80808	962+66.32	18.67	276284.5996	718228.3819
80809	962+79.15	26.67	276298.5878	718222.6329
80810	963+28.68	28.67	276329.1315	718183.5861
80811	963+45.83	18.67	276331.0254	718163.8248
80812	963+32.85	28.67	276331.5617	718180.2068
80813	964+54.16	28.67	276402.3893	718081.7178

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
80876	959+09.09	23.67	276080.0938	718521.3207
80877	959+09.09	-26.33	276039.5005	718492.1284
80878	959+21.59	22.08	276086.1028	718510.2454
80879	959+26.60	20.79	276087.9766	718505.4255
80880	959+26.60	18.67	276086.2559	718504.1881
80881	959+07.03	33.67	276087.0126	718528.8275
80882	959+07.03	-16.33	276046.4194	718499.6353
80883	959+24.53	30.50	276094.6624	718512.7735
80884	959+26.34	29.83	276095.1691	718510.9128
80885	959+43.84	76.67	276143.4121	718524.0510
80886	959+43.84	26.67	276102.8189	718494.8587
**80937	775+60.82	24.05	276047.2554	718481.7577
*80938	776+61.85	-17.00	276077.8132	718377.1214
*80939	876+99.46	17.00	276072.5253	718374.1327
**80941	778+02.50	19.00	276192.8804	718288.5790
80942	778+02.50	10019.00	284104.7579	724404.3123

* - POINT GEOMETRY IS GIVEN AT P.C.C. FOOTING

** - POINT GEOMETRY IS GIVEN AT CENTER OF BARRIER



ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	GRADES AND GEOMETRICS	GG-14
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SECTION PD
					CHECKED BY: B. BEHRENS		SHEET NO. 96

13-AUG-2024
08:45
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NOTES:

1. OFFSETS SHOWN IN THE GEOMETRY TABLES WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.

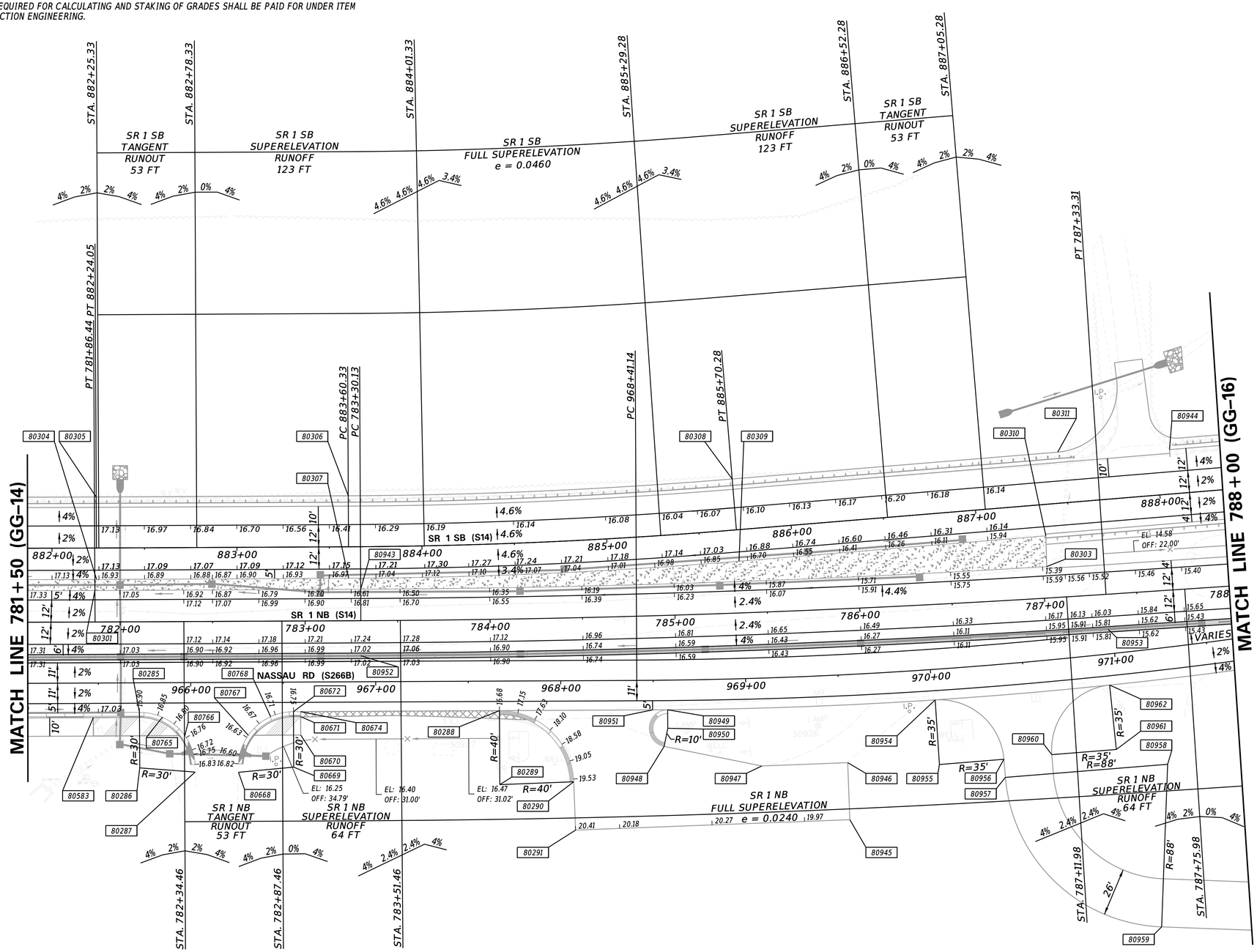
2. UNLESS OTHERWISE NOTED, POINT GEOMETRY ADJACENT TO CURB AND CURB AND GUTTER IS GIVEN AT THE EDGE OF PAVEMENT.

3. UNLESS OTHERWISE NOTED, EDGE OF PAVEMENT ELEVATIONS ALONG INTERSECTION CURVES ARE GIVEN AT 10 FOOT INTERVALS.

4. RADII ARE GIVEN TO THE EDGE OF PAVEMENT.

5. PROPOSED PAVEMENT OR CURBS THAT TIE INTO EXISTING PAVEMENT OR EXISTING CURBS SHALL MATCH THE EXISTING PAVEMENT OR EXISTING CURB ELEVATIONS.

6. ALL WORK REQUIRED FOR CALCULATING AND STAKING OF GRADES SHALL BE PAID FOR UNDER ITEM 763501 - CONSTRUCTION ENGINEERING.



COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
80285	965+72.20	16.00	276461.0247	717978.4872
80286	965+72.20	46.00	276485.3807	717996.0026
80287	966+02.11	48.39	276504.7804	717973.1192
80288	967+66.70	16.10	276574.6517	717820.4836
80289	967+66.42	56.10	276607.1263	717843.8374
80290	968+05.88	55.25	276629.3870	717810.6040
80291	968+06.30	81.39	276651.1108	717825.1552
*80301	781+86.44	-17.50	276393.1531	717958.9659
*80303	787+02.22	-17.00	276685.5252	717535.3514
*80304	882+24.05	17.50	276389.6458	717955.2791
80305	882+24.05	-27.60	276353.0304	717928.9474
80306	883+60.33	-27.60	276432.5949	717818.3094
*80307	883+60.33	17.50	276469.2102	717844.6410
80308	885+70.28	-27.60	276547.2730	717645.0629
*80309	885+70.28	17.50	276585.8166	717668.4817
*80310	887+36.76	17.00	276671.8338	717525.9484
80311	887+46.89	-27.60	276638.9783	717494.1309
80583	965+47.20	18.67	276448.5936	718000.3408
80668	966+25.57	48.64	276518.6874	717954.2143
80669	966+55.46	46.00	276533.9892	717928.4102
80670	966+59.32	28.67	276522.1737	717915.1519
80671	966+59.32	18.67	276514.0551	717909.3134
80672	966+55.46	16.00	276509.6333	717910.8948
80674	966+59.32	16.00	276511.8901	717907.7565
80765	965+84.57	18.67	276470.4089	717970.0056
80766	965+96.69	28.67	276485.6043	717966.0034
80767	966+30.97	28.67	276505.6209	717938.1693
80768	966+43.09	18.67	276504.5791	717922.4903
*80943	783+30.13	-17.00	276477.4467	717842.6082
80944	888+07.23	-24.00	276673.3878	717444.4321
80945	969+52.52	78.42	276733.6911	717701.8690
80946	969+52.86	47.60	276708.0814	717684.7150
80947	969+07.28	47.50	276682.2338	717723.3035
80948	968+55.56	35.83	276642.6443	717759.8204
80949	968+57.64	16.04	276627.7266	717746.6578
80950	968+57.60	26.04	276635.8642	717752.4698
80951	968+49.54	16.01	276622.9819	717753.2783
**80952	783+30.13	19.00	276506.6738	717863.6266
**80953	787+33.31	19.00	276732.5765	717528.3518
80954	970+01.45	16.51	276708.4080	717626.4995
80955	970+01.35	51.51	276738.0169	717645.1628
80956	970+35.64	51.33	276756.2386	717615.2802
80957	970+35.62	61.16	276764.6263	717620.3948
80958	971+21.48	62.84	276810.4409	717545.2614
80959	971+08.76	149.83	276879.6814	717599.5731
80960	970+61.12	51.13	276769.4423	717592.8790
80961	970+95.41	51.79	276787.6640	717562.9964
80962	970+95.51	16.79	276757.3711	717545.4654

* - POINT GEOMETRY IS GIVEN AT P.C.C. FOOTING

** - POINT GEOMETRY IS GIVEN AT CENTER OF BARRIER

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

GRADES AND GEOMETRICS

GG-15

SECTION PD

SHEET NO. 97

18-AUG-2024
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NOTES:

1. OFFSETS SHOWN IN THE GEOMETRY TABLES WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.

2. UNLESS OTHERWISE NOTED, POINT GEOMETRY ADJACENT TO CURB AND CURB AND GUTTER IS GIVEN AT THE EDGE OF PAVEMENT.

3. UNLESS OTHERWISE NOTED, EDGE OF PAVEMENT ELEVATIONS ALONG INTERSECTION CURVES ARE GIVEN AT 10 FOOT INTERVALS.

4. RADII ARE GIVEN TO THE EDGE OF PAVEMENT.

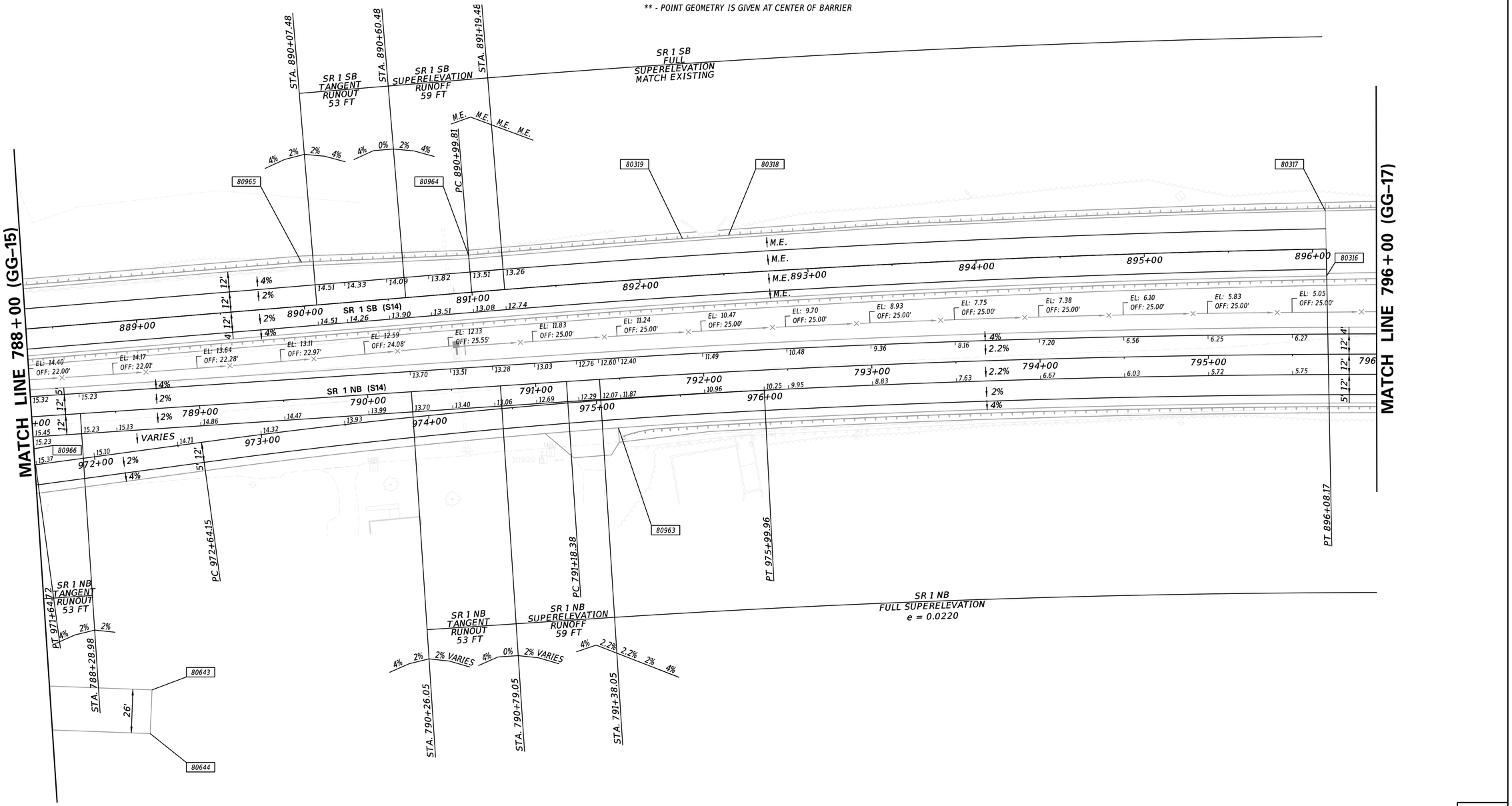
5. PROPOSED PAVEMENT OR CURBS THAT TIE INTO EXISTING PAVEMENT OR EXISTING CURBS SHALL MATCH THE EXISTING PAVEMENT OR EXISTING CURB ELEVATIONS.

6. ALL WORK REQUIRED FOR CALCULATING AND STAKING OF GRADES SHALL BE PAID FOR UNDER ITEM 763501 - CONSTRUCTION ENGINEERING.

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
80316	896+08.17	16.00	277136.5377	716790.2294
80317	896+08.10	-22.63	277104.8186	716768.1791
80318	892+54.28	-22.75	276908.0934	717063.4339
80319	892+26.80	-22.49	276893.5880	717086.8644
80643	972+20.46	141.91	276925.8118	717499.6620
80643	972+15.36	141.79	276925.3160	717499.2676
80644	972+10.76	167.38	276945.6621	717515.4561
80963	975+11.94	17.00	276962.2318	717183.6720
80964	890+99.81	-22.00	276827.0204	717195.4294
80965	890+00.53	-26.00	276772.0512	717278.1965
**80966	788+00.47	19.00	276768.3863	717471.5339

** - POINT GEOMETRY IS GIVEN AT CENTER OF BARRIER



ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	GRADES AND GEOMETRICS	GG–16
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SECTION PD
					CHECKED BY: B. BEHRENS		SHEET NO. 98

11-JUN-2024
15:40
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NOTES:

1. OFFSETS SHOWN IN THE GEOMETRY TABLES WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.

2. UNLESS OTHERWISE NOTED, POINT GEOMETRY ADJACENT TO CURB AND CURB AND GUTTER IS GIVEN AT THE EDGE OF PAVEMENT.

3. UNLESS OTHERWISE NOTED, EDGE OF PAVEMENT ELEVATIONS ALONG INTERSECTION CURVES ARE GIVEN AT 10 FOOT INTERVALS.

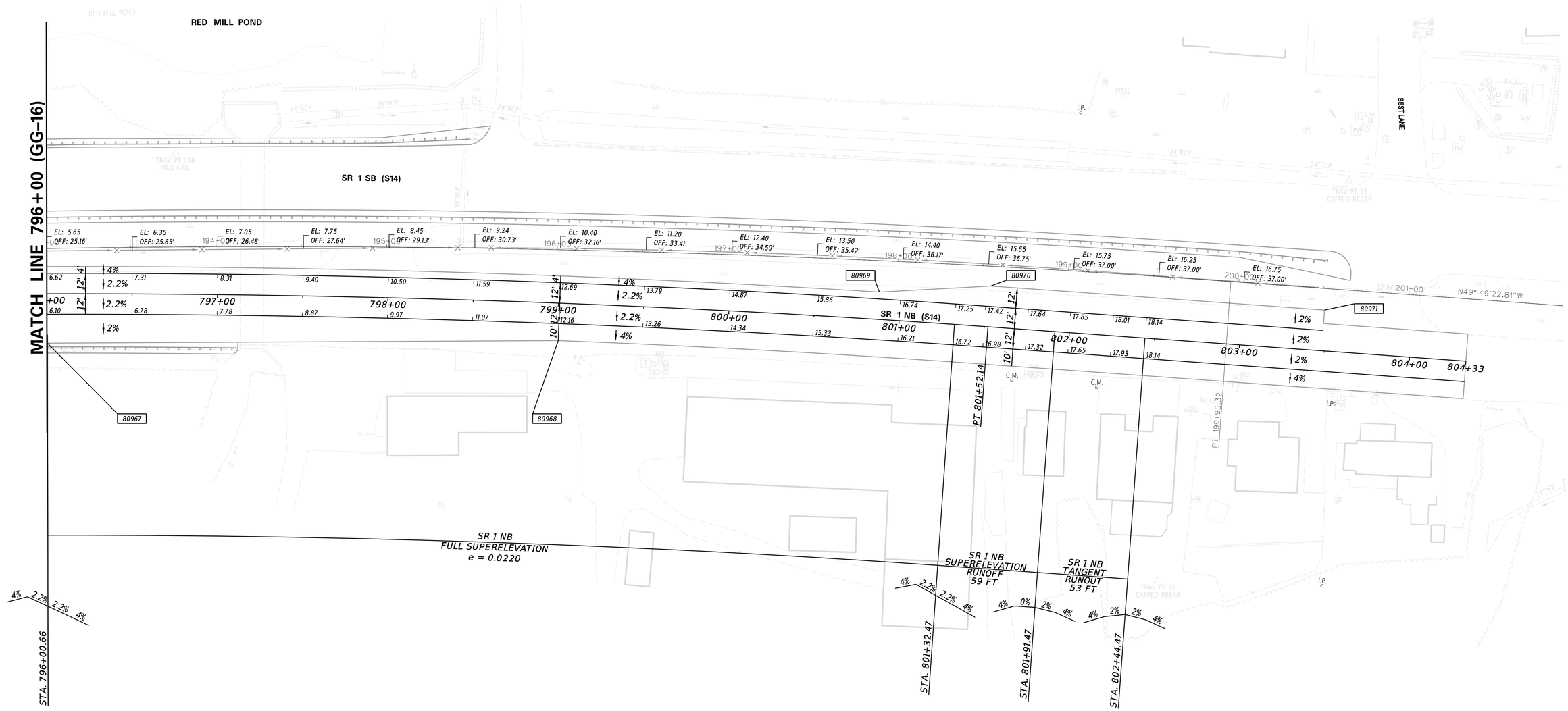
4. RADII ARE GIVEN TO THE EDGE OF PAVEMENT.

5. PROPOSED PAVEMENT OR CURBS THAT TIE INTO EXISTING PAVEMENT OR EXISTING CURBS SHALL MATCH THE EXISTING PAVEMENT OR EXISTING CURB ELEVATIONS.

6. ALL WORK REQUIRED FOR CALCULATING AND STAKING OF GRADES SHALL BE PAID FOR UNDER ITEM 763501 - CONSTRUCTION ENGINEERING.

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
80967	796+00.37	29.00	277215.2264	716810.2310
80968	799+00.75	22.00	277389.9982	716567.1136
80969	800+87.37	-16.00	277477.6032	716398.0926
80970	801+52.14	-24.00	277513.0941	716343.1237
80971	803+48.28	-24.00	277639.4792	716193.1361



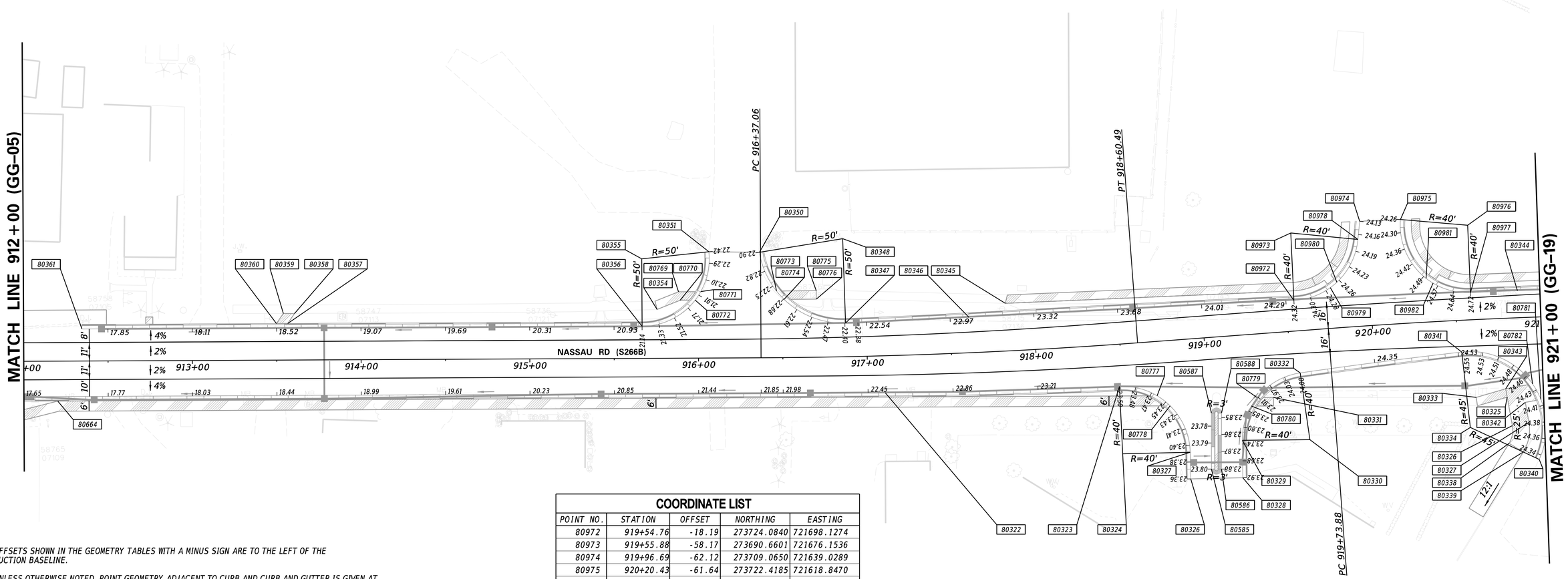
ADDENDA / REVISIONS	SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO. 3-719	GRADES AND GEOMETRICS	GG-17
	0 30 60 90 FEET		T201612501	DESIGNED BY: N. RIGOLINO		SECTION PD
			COUNTY SUSSEX	CHECKED BY: B. BEHRENS		SHEET NO. 99

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80322	917+10.03	21.84	273625.9098	721926.2956
80323	918+47.94	25.00	273704.5817	721811.7738
80324	918+47.05	64.99	273738.0326	721833.7065
80326	918+85.89	82.79	273773.7682	721809.8045
80327	918+86.72	67.06	273760.8153	721800.8287
80328	919+16.70	84.41	273791.3398	721784.4469
80329	919+18.14	62.30	273773.2868	721771.5995
80330	919+58.05	64.89	273796.4795	721739.0096
80331	919+38.41	38.33	273763.5604	721741.7501

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80332	919+55.30	24.98	273761.0866	721720.3723
80333	920+59.54	46.10	273834.1679	721644.4629
80334	920+55.07	63.74	273846.5158	721657.8013
80335	920+78.14	47.09	273845.0924	721629.7090
80336	920+80.50	63.80	273860.2925	721637.0229
80337	920+90.58	62.21	273864.4476	721627.9248
80338	920+78.06	74.21	273867.6372	721644.7761
80339	920+86.48	79.67	273876.7360	721640.9610
80340	920+95.98	84.42	273885.8375	721635.9197
80341	920+52.16	18.83	273807.3495	721635.6429
80777	918+69.70	32.19	273722.2070	721796.9663
80778	918+76.95	38.71	273731.5633	721794.2331
80779	919+28.76	37.65	273757.9091	721749.6080
80780	919+24.97	42.40	273759.9574	721755.3234

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80342	920+88.85	50.33	273853.6398	721622.7243
80343	920+77.40	41.82	273840.2928	721627.3995
80344	920+86.79	-16.00	273797.3513	721587.5716
80345	917+83.39	-28.25	273624.9947	721837.5316
80346	917+61.24	-21.01	273618.9803	721859.8797
80347	916+87.59	-20.00	273578.7250	721921.0061
80348	916+86.88	-69.99	273537.2877	721893.0283
80350	916+36.40	-62.55	273514.8068	721937.6893
80351	916+06.44	-63.01	273496.9301	721961.7444
80769	915+88.34	-39.35	273505.5692	721990.2544
80770	915+89.29	-34.36	273510.1836	721992.3962
80771	916+01.51	-39.40	273513.2229	721979.5335
80772	915+98.17	-34.39	273515.3433	721985.1687
80773	916+46.53	-39.54	273539.3135	721942.9872
80774	916+51.03	-34.54	273545.9699	721942.2687
80775	916+70.36	-39.47	273552.9910	721923.8285
80776	916+70.33	-34.47	273557.0604	721926.7337

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80354	915+75.56	-28.96	273506.5479	722006.6890
80355	915+66.64	-59.00	273476.9519	721996.3980
80356	915+66.64	-19.00	273509.4257	722019.7529
80357	913+56.57	-21.67	273384.6050	722188.7427
80358	913+60.62	-27.54	273382.2049	722182.0260
80359	913+54.04	-27.63	273378.2889	722187.3064
80360	913+49.93	-21.67	273380.7283	722194.1330
80361	912+34.60	-19.00	273315.5585	722289.3156
80585	918+98.54	77.92	273776.2711	721796.4901
80586	919+04.52	78.37	273779.7992	721791.6370
80587	919+01.02	44.80	273749.4049	721776.9587
80588	919+07.01	45.25	273752.9330	721772.1056
80664	912+20.06	23.67	273341.7040	722326.0368
80781	920+98.34	48.99	273857.7315	721614.2208
80782	920+93.64	39.56	273847.3137	721612.8084



COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80972	919+54.76	-18.19	273724.0840	721698.1274
80973	919+55.88	-58.17	273690.6601	721676.1536
80974	919+96.69	-62.12	273709.0650	721639.0289
80975	920+20.43	-61.64	273722.4185	721618.8470
80976	920+59.33	-56.10	273748.5887	721588.5960
80977	920+59.05	-16.10	273781.8841	721610.7639
80978	919+94.96	-51.45	273717.1656	721646.1960
80979	919+76.83	-24.12	273730.6601	721676.2175
80980	919+80.88	-27.01	273730.3555	721671.2268
80981	920+33.40	-25.92	273759.5798	721627.0563
80982	920+37.33	-22.87	273764.2928	721625.3843

NOTES:

1. OFFSETS SHOWN IN THE GEOMETRY TABLES WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.

2. UNLESS OTHERWISE NOTED, POINT GEOMETRY ADJACENT TO CURB AND CURB AND GUTTER IS GIVEN AT THE EDGE OF PAVEMENT.

3. UNLESS OTHERWISE NOTED, EDGE OF PAVEMENT ELEVATIONS ALONG INTERSECTION CURVES ARE GIVEN AT 10 FOOT INTERVALS.

4. RADII ARE GIVEN TO THE EDGE OF PAVEMENT.

5. PROPOSED PAVEMENT OR CURBS THAT TIE INTO EXISTING PAVEMENT OR EXISTING CURBS SHALL MATCH THE EXISTING PAVEMENT OR EXISTING CURB ELEVATIONS.

6. ALL WORK REQUIRED FOR CALCULATING AND STAKING OF GRADES SHALL BE PAID FOR UNDER ITEM 763501 - CONSTRUCTION ENGINEERING.

08-AUG-2024
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ADDENDA / REVISIONS	

SCALE
0 30 60 90
FEET

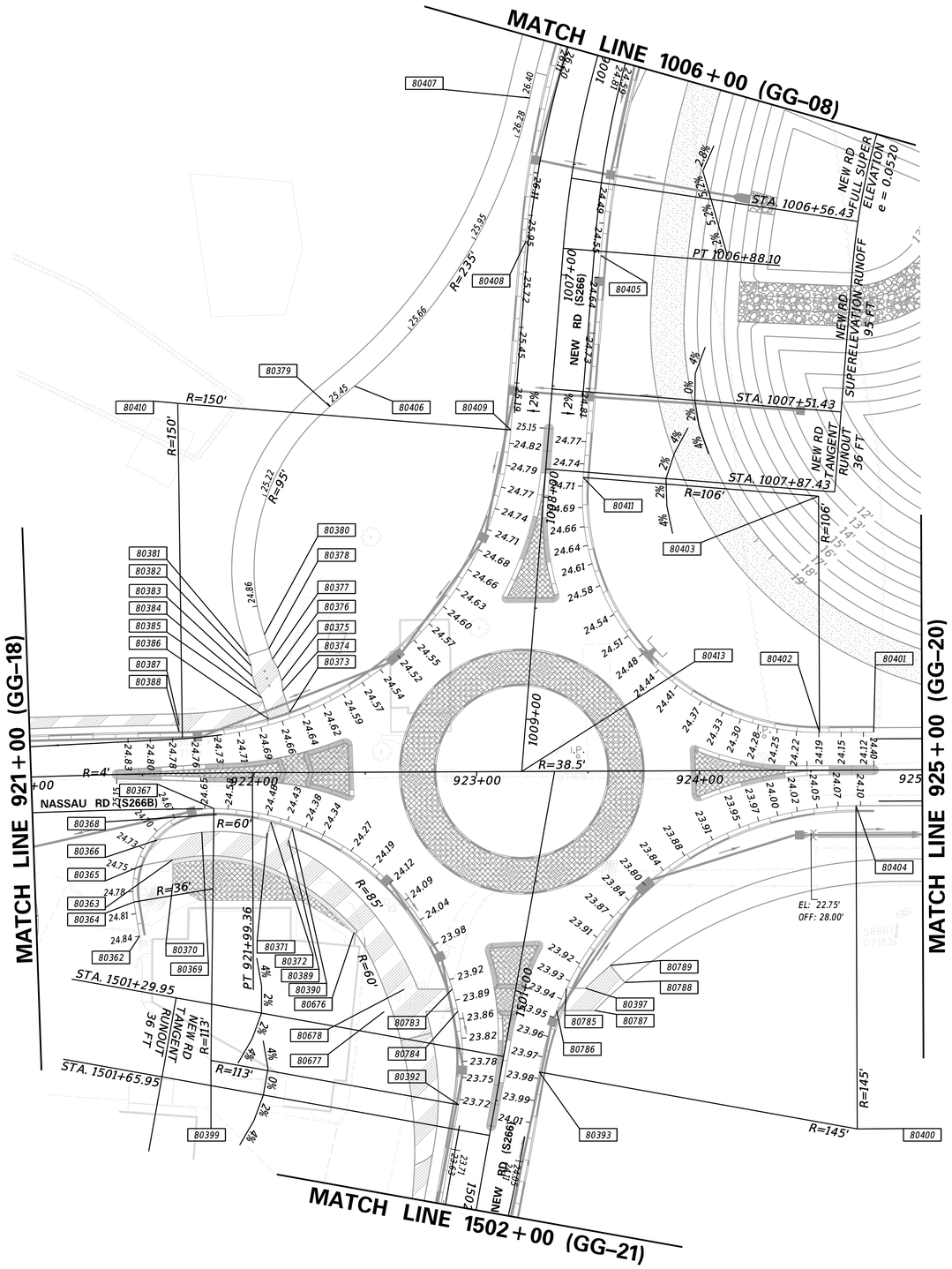
SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

GRADES AND GEOMETRICS

GG–18

SECTION	
PD	
SHEET NO.	
100	



COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80362	921+47.23	72.73	273904.4102	721588.0577
80363	921+62.93	38.77	273885.4198	721555.9477
80364	921+44.95	57.37	273890.5158	721581.1216
80365	921+44.95	57.37	273890.5158	721581.1216
80366	921+56.00	29.76	273874.1106	721556.3877
80367	921+81.96	16.00	273877.7280	721527.4013
80368	921+83.28	18.71	273880.6950	721527.8971
80369	921+76.34	26.40	273882.9726	721537.9703
80370	921+72.99	45.39	273896.5544	721551.6551
80371	922+05.99	27.09	273900.6803	721514.4172
80372	922+07.50	22.13	273897.5397	721510.2976
80373	922+16.17	-27.11	273862.6426	721474.4883
80374	922+13.12	-36.64	273853.1334	721471.3940
80375	922+12.70	-41.23	273849.1636	721469.0507
80376	922+10.87	-46.94	273843.4581	721467.1941
80377	922+08.55	-50.92	273838.8695	721466.7526
80378	922+07.03	-55.69	273834.1149	721465.2055
80379	922+34.85	-164.10	273762.3959	721379.2727
80380	922+05.00	-62.03	273827.7800	721463.1441
80381	921+97.53	-52.64	273831.0206	721474.7147
80382	921+99.03	-47.88	273835.7753	721476.2619
80383	921+99.44	-43.29	273839.7450	721478.6052
80384	922+01.27	-37.57	273845.4505	721480.4618
80385	922+03.59	-33.59	273850.0391	721480.9033
80386	922+06.64	-24.07	273859.5483	721483.9975
80387	921+66.70	-21.67	273838.1639	721518.0853
80388	921+66.70	-18.67	273840.6161	721519.8135
80389	922+15.45	30.36	273908.8622	721508.6554
80390	922+17.07	25.04	273905.4924	721504.2350
80392	1501+54.83	16.00	274049.8216	721516.6303
80393	1501+33.99	-17.00	274059.1835	721478.7437
80397	1500+93.35	-30.82	274040.9892	721439.8627
80399	1501+54.83	129.00	273968.3378	721594.9207
80400	1501+33.99	-162.00	274163.7423	721378.2825
80401	924+78.30	-17.00	274024.0371	721267.6835
80402	924+53.98	-17.00	274009.8234	721287.4203
80403	924+53.98	-123.00	273923.8072	721225.4750
80404	924+70.19	16.00	274046.0787	721293.5461
80405	1006+90.02	-17.00	273779.0243	721241.1174
80406	1007+57.14	88.54	273761.4185	721364.9478
80407	1006+25.32	25.00	273703.0689	721225.3416
80408	1006+86.25	17.00	273754.0019	721264.4553
80409	1007+71.16	17.00	273818.5779	721319.6940
80410	1007+71.16	167.00	273721.0735	721433.6803
80411	1007+89.88	-17.00	273854.9041	721306.0254
80413	1009+23.60	0.00	273945.4716	721405.8683
80676	922+44.74	71.89	273959.6744	721509.1586
80677	922+58.04	107.49	273996.3421	721519.1739
80678	922+67.13	97.48	273993.5333	721505.9419
80783	1501+04.20	27.97	274006.1151	721488.4225
80784	1501+13.60	23.79	274015.6428	721492.2989
80785	1500+94.91	-22.37	274035.9756	721446.8439
80786	1501+05.55	-19.82	274041.5088	721456.2823
80787	1501+02.43	-36.71	274051.5300	721442.3285
80788	1500+87.70	-47.68	274049.2283	721424.1049
80789	1500+81.34	-39.95	274039.2581	721424.8770

NOTES:

1. *OFFSETS SHOWN IN THE GEOMETRY TABLES WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.*
2. *UNLESS OTHERWISE NOTED, POINT GEOMETRY ADJACENT TO CURB AND CURB AND GUTTER IS GIVEN AT THE EDGE OF PAVEMENT.*
3. *UNLESS OTHERWISE NOTED, EDGE OF PAVEMENT ELEVATIONS ALONG INTERSECTION CURVES ARE GIVEN AT 10 FOOT INTERVALS.*
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6. *ALL WORK REQUIRED FOR CALCULATING AND STAKING OF GRADES SHALL BE PAID FOR UNDER ITEM 763501 - CONSTRUCTION ENGINEERING.*

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ADDENDA / REVISIONS	

SCALE
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FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

GRADES AND GEOMETRICS

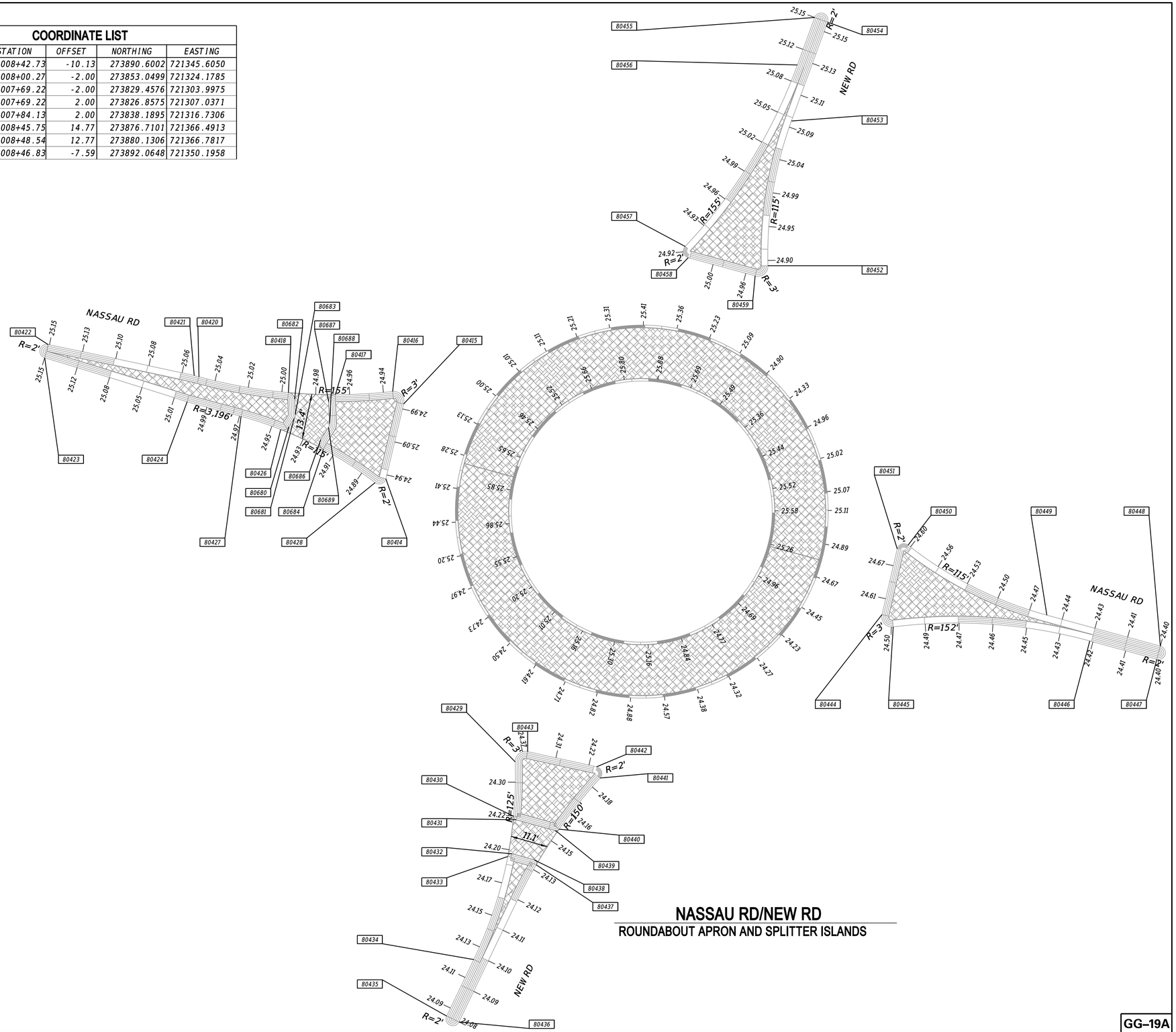
GG-19	
SECTION	PD
SHEET NO.	101

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80444	923+96.63	10.61	273998.7162	721350.0862
80445	924+00.77	13.27	274003.2915	721348.2812
80446	924+57.81	2.00	274027.4794	721295.4160
80447	924+78.30	2.00	274039.4551	721278.7869
80448	924+78.30	-2.00	274036.2092	721276.4493
80449	924+43.59	-2.00	274015.9231	721304.6182
80450	923+98.64	-11.15	273982.2362	721335.7443
80451	923+95.86	-9.23	273982.1686	721339.1216

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80452	1008+42.73	-10.13	273890.6002	721345.6050
80453	1008+00.27	-2.00	273853.0499	721324.1785
80454	1007+69.22	-2.00	273829.4576	721303.9975
80455	1007+69.22	2.00	273826.8575	721307.0371
80456	1007+84.13	2.00	273838.1895	721316.7306
80457	1008+45.75	14.77	273876.7101	721366.4913
80458	1008+48.54	12.77	273880.1306	721366.7817
80459	1008+46.83	-7.59	273892.0648	721350.1958

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80414	922+44.88	10.54	273909.9766	721473.1885
80415	922+44.15	-12.14	273891.1482	721460.5311
80416	922+40.05	-14.83	273886.5658	721462.2862
80417	922+23.99	-9.47	273881.5323	721478.4433
80418	922+10.46	-6.41	273876.1117	721491.2145
80420	921+83.80	-4.00	273862.5021	721514.2985
80421	921+82.37	-4.00	273861.6703	721515.4660
80422	921+38.43	-2.00	273838.0422	721552.6139
80423	921+38.36	2.00	273841.2932	721554.9453
80424	921+82.35	4.00	273868.1781	721520.1188
80426	922+11.12	4.66	273885.4728	721497.1496
80427	921+98.83	4.00	273877.7591	721506.7377
80428	922+42.13	12.46	273909.9246	721476.5420
80680	922+13.24	3.25	273885.5744	721494.6019
80681	922+14.10	0.43	273883.7876	721492.2581
80682	922+12.72	-5.05	273878.5348	721490.1757
80683	922+14.09	-0.76	273882.8160	721491.5687
80684	922+24.80	6.97	273895.3420	721487.3979
80686	922+23.34	4.44	273892.4341	721487.1055
80687	922+22.62	-6.93	273882.7876	721481.0434
80688	922+24.57	-0.84	273888.8771	721483.0249
80689	922+24.58	0.36	273889.8488	721483.7142

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80429	1500+85.35	16.18	274001.5513	721466.6543
80430	1500+99.99	9.70	274016.3700	721472.7195
80431	1501+00.62	8.58	274017.6195	721472.4035
80432	1501+10.19	5.31	274026.6018	721477.0393
80433	1501+11.43	6.10	274026.8926	721478.4759
80434	1501+43.18	2.00	274051.8456	721498.5300
80435	1501+61.66	2.00	274064.6523	721511.8591
80436	1501+61.66	-2.00	274067.5367	721509.0877
80437	1501+10.03	-2.50	274032.1240	721471.5118
80438	1501+08.96	-1.32	274030.5367	721471.5603
80439	1500+98.44	-3.23	274024.6239	721462.6503
80440	1500+97.62	-4.03	274024.6367	721461.5019
80441	1500+78.78	-8.44	274014.7528	721444.8618
80442	1500+76.25	-6.06	274011.2910	721444.6848
80443	1500+81.04	14.21	273999.9875	721462.1829



NASSAU RD/NEW RD
ROUNDABOUT APRON AND SPLITTER ISLANDS

NOTES:

1. *OFFSETS SHOWN IN THE GEOMETRY TABLES WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.*
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6. *ALL WORK REQUIRED FOR CALCULATING AND STAKING OF GRADES SHALL BE PAID FOR UNDER ITEM 763501 - CONSTRUCTION ENGINEERING.*

ADDENDA / REVISIONS	

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

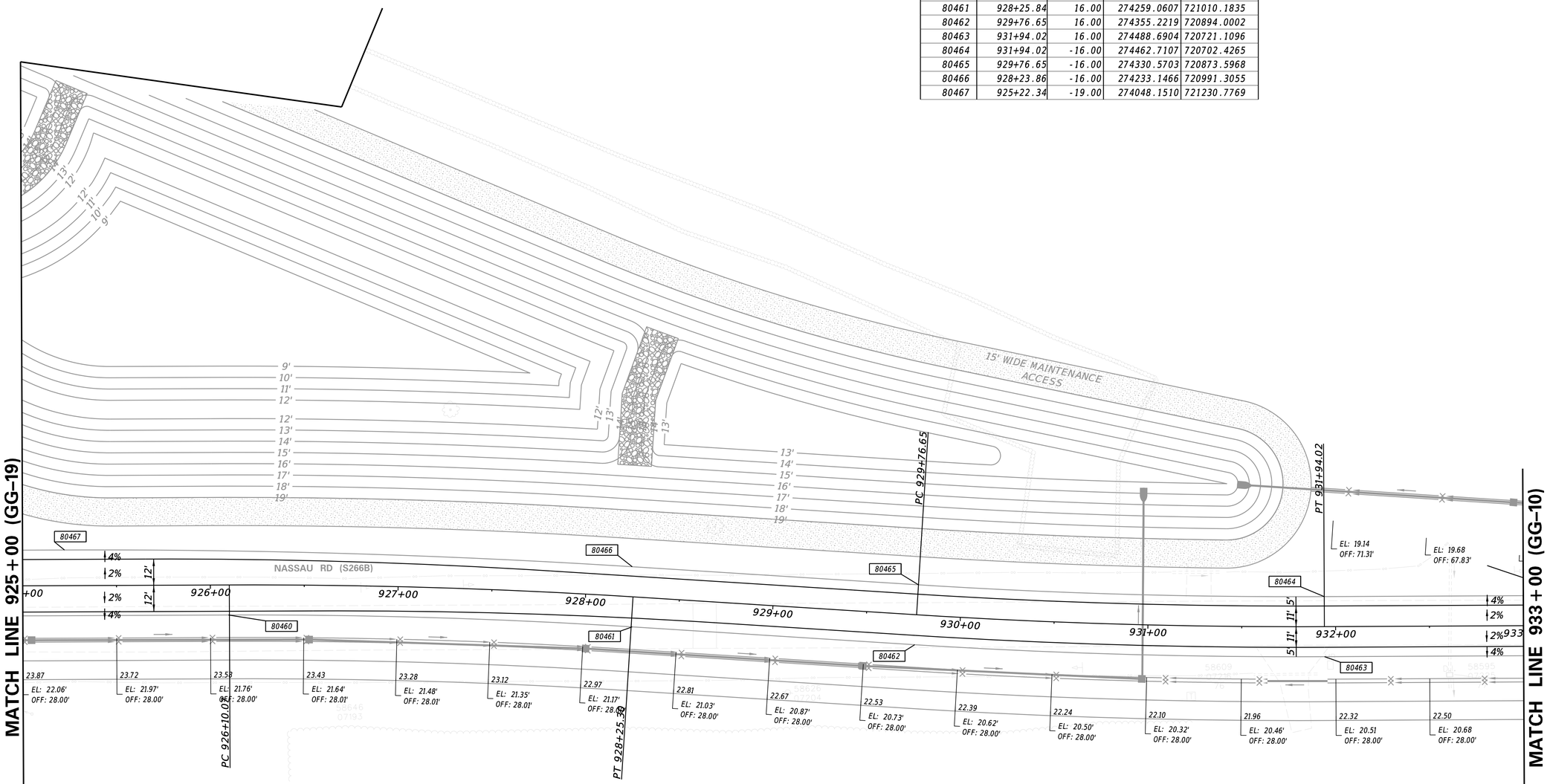
GRADES AND GEOMETRICS

GG-19A

SECTION	
PD	
SHEET NO.	
102	

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COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80460	926+09.53	16.00	274127.5083	721180.4743
80461	928+25.84	16.00	274259.0607	721010.1835
80462	929+76.65	16.00	274355.2219	720894.0002
80463	931+94.02	16.00	274488.6904	720721.1096
80464	931+94.02	-16.00	274462.7107	720702.4265
80465	929+76.65	-16.00	274330.5703	720873.5968
80466	928+23.86	-16.00	274233.1466	720991.3055
80467	925+22.34	-19.00	274048.1510	721230.7769



NOTES:

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ADDENDA / REVISIONS

SCALE
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FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

GRADES AND GEOMETRICS

GG–20	
SECTION	PD
SHEET NO.	103

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NOTES:

1. OFFSETS SHOWN IN THE GEOMETRY TABLES WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.

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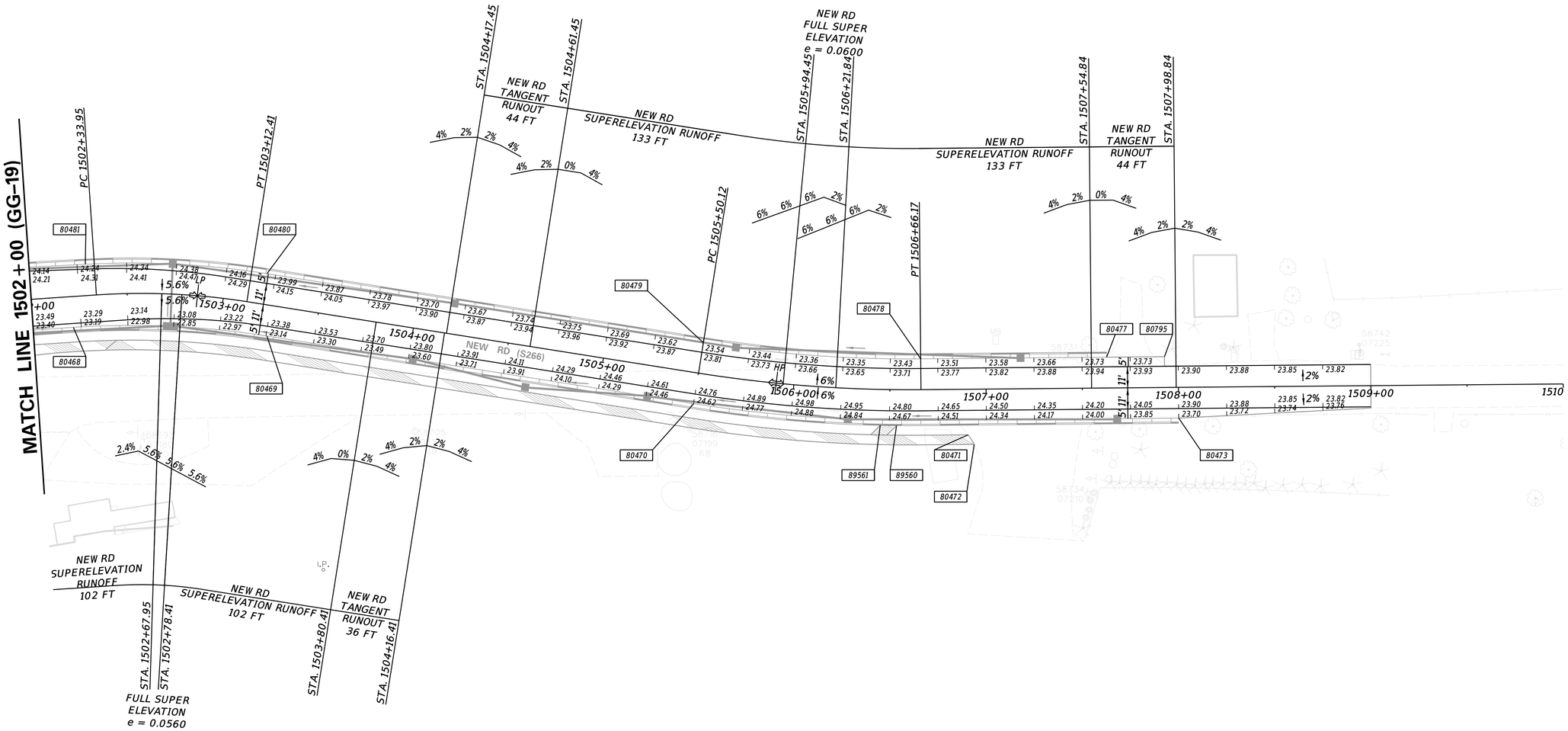
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COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
80468	1502+20.89	16.00	274095.5947	721564.2704
80469	1503+25.47	16.00	274156.7855	721644.2101
80470	1505+50.12	16.00	274272.5216	721836.7489
80471	1506+90.44	23.67	274351.7490	721956.3983
80472	1506+93.57	28.67	274349.9795	721962.0245
80473	1508+00.00	16.00	274428.7441	722034.7161
80477	1507+62.77	-16.00	274428.8872	721985.6202
80478	1506+66.17	-16.00	274366.1402	721912.1766
80479	1505+50.12	-16.00	274299.9480	721820.2627
80480	1503+20.45	-16.00	274181.6244	721623.4195
80481	1502+29.27	-16.27	274124.6714	721547.9512
80795	1507+92.89	-16.00	274448.4570	722008.5261
89560	1506+53.63	18.67	274331.5096	721924.8337
89561	1506+45.40	18.67	274326.1749	721918.2802



ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	GRADES AND GEOMETRICS	GG–21
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SECTION PD
					CHECKED BY: B. BEHRENS		SHEET NO. 104

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WET EXTENDED DETENTION POND BMP #01128 GENERAL NOTES

POND CONSTRUCTION SEQUENCE AND NOTES

THE STORMWATER MANAGEMENT POND SHALL FUNCTION AS A SEDIMENT BASIN DURING ROADWAY CONSTRUCTION AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING SECTIONS OF THE STANDARD SPECIFICATIONS

SECTION 910 - STORMWATER MANAGEMENT FACILITIES

INITIAL CONSTRUCTION

1. BEFORE ANY CONSTRUCTION BEGINS ON THE WET POND, CONTACT THE DESIGNATED CCR A MINIMUM OF 2 WORKING DAYS IN ADVANCE SO THAT THE REQUIRED FACILITY CONSTRUCTION CHECKLIST CAN BE COMPLETED.

2. INSTALL STABILIZED CONSTRUCTION ENTRANCE(S) AS NEEDED.

3. CLEAR AND GRUB FOR INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS.

4. INSTALL PERIMETER CONTROLS AS SHOWN ON THE PLANS.

5. CLEAR AND GRUB REMAINING AREA FOR WET POND CONSTRUCTION.

6. CONSTRUCT POND OUTLET AND OUTFALL AS SHOWN ON THE PLANS. DEWATER FOUNDATION AS NEEDED IN ACCORDANCE WITH DEWATERING PRACTICES AS SHOWN IN SECTION 900 OF THE STANDARD SPECIFICATIONS. INSTALL SKIMMER DEWATERING DEVICE AND/OR OTHER TEMPORARY MODIFICATIONS AS SHOWN IN THE PLANS.

7. COMPLETE BASIN EXCAVATION TO THE LINES AND GRADES SHOWN, ENSURING THAT RUNOFF FROM EXISTING STORM DRAINS IS CONVEYED TO THE OUTLET STRUCTURE AS GRADING PROGRESSES, WHILE ALSO INSTALLING THE CLAY LINER AND TOPSOIL.

8. ALL DISTURBED AREAS MEETING FINAL ELEVATIONS AND GRADES ABOVE THE PERMANENT BOTTOM ELEVATION (OR THE EXISTING WATER SURFACE ELEVATION) SHALL BE SEEDED WITH ITEM 908015 - GRASS SEEDING - STORMWATER FACILITY AND MULCHED WITH ITEM 908020 - EROSION CONTROL BLANKET MULCH.

MAINTENANCE OF SEDIMENT BASIN (CONTRACTORS MUST ALSO COMPLY WITH MAINTENANCE REQUIREMENTS STATED IN SECTION 910)

9. THE CONTRACTOR SHALL INSPECT THE BASIN THE NEXT WORK DAY FOLLOWING A RAIN EVENT AND MAKE ANY REPAIRS AS NEEDED.

10. THE CONTRACTOR SHALL OVER-EXCAVATE THE POND TO ELEVATION 8.0' AND CLEARLY MARK THE CLEANOUT ELEVATION AT 9.0' ON A STAKE DRIVEN INTO THE GROUND AT A LOCATION CLEARLY VISIBLE FROM THE EMBANKMENT.

11. ANY EXCESS SEDIMENT AROUND THE OUTFALL AREA WILL BE REMOVED WITHIN TWO WORKING DAYS AND DISPOSED AT A LOCATION APPROVED BY THE ENGINEER.

CONVERSION TO PERMANENT WET POND FACILITY

12. CONVERT THE SEDIMENT BASIN AFTER ALL AREAS DRAINING TO IT HAVE ATTAINED FINAL STABILIZATION AND THE STORMWATER ENGINEER HAS CONCURRED WITH THE CONVERSION.

13. REMOVE ANY EXCESS SEDIMENT FROM THE POND BOTTOM ABOVE ELEVATION 9.0'.

14. REMOVE ANY SEDIMENT FROM THE FOREBAY ABOVE ELEVATION 13.0'.

15. COMPLETE STABILIZATION OF ALL BARE AREAS WITH ITEM 908015 - GRASS SEEDING - STORMWATER FACILITY AND ITEM 908020 - EROSION CONTROL BLANKET MULCH.

16. WITH CONCURRENCE FROM THE STORMWATER ENGINEER, REMOVE REMAINING E&S CONTROLS AND ANY BLOCKED OPENINGS IN THE OUTFALL STRUCTURE.

POST-CONSTRUCTION VERIFICATION (AS-BUILTS) NOTES

16. POST-CONSTRUCTION VERIFICATION TO BE COMPLETED BY THE CONTRACTOR AND CERTIFIED BY A DELAWARE PLS UPON FINAL STABILIZATION BEFORE THE DELDOT INTIAL INSPECTION DATE. THESE DRAWINGS SHALL BE SENT TO THE STORMWATER ENGINEER FOR VERIFICATION. AS-BUILT DRAWINGS SHALL INCLUDE, BUT NOT BE LIMITED TO:

1. GENERAL TOPOGRAPHY OF THE WHOLE FACILITY AT 1-FOOT CONTOURS INCLUDING FOREBAYS AND TOP/TOE OF ANY EMBANKMENT.

2. INVERTS OF ALL PIPES AND SWALES THAT INFLOW TO THE POND.

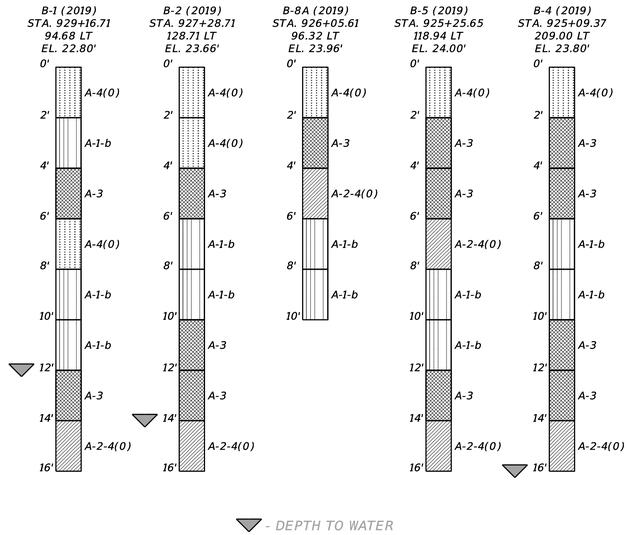
3. OUTLINE OF ALL RIPRAP AND SPOT ELEVATIONS ON TOP OF THE RIPRAP.

4. WEIR WALL INVERTS OF ANY AND ALL ORIFICES/WEIRS, TOP OF STRUCTURE, ETC.

5. PRIMARY OUTFLOW PIPE OR CHANNEL FOR A PIPE OUTFALL, INVERTS AT THE ENTRANCE AND EXIT. FOR A PRIMARY OUTFLOW CHANNEL/SWALE, SHOW AT MINIMUM THREE CROSS-SECTIONS OF EQUAL DISTANCE APART AT 50' DOWNSTREAM ALONG THE SLOPE.

17. POST-CONSTRUCTION VERIFICATION FOR THE STORMWATER MANAGEMENT POND ARE INCIDENTAL TO ITEM 910008.

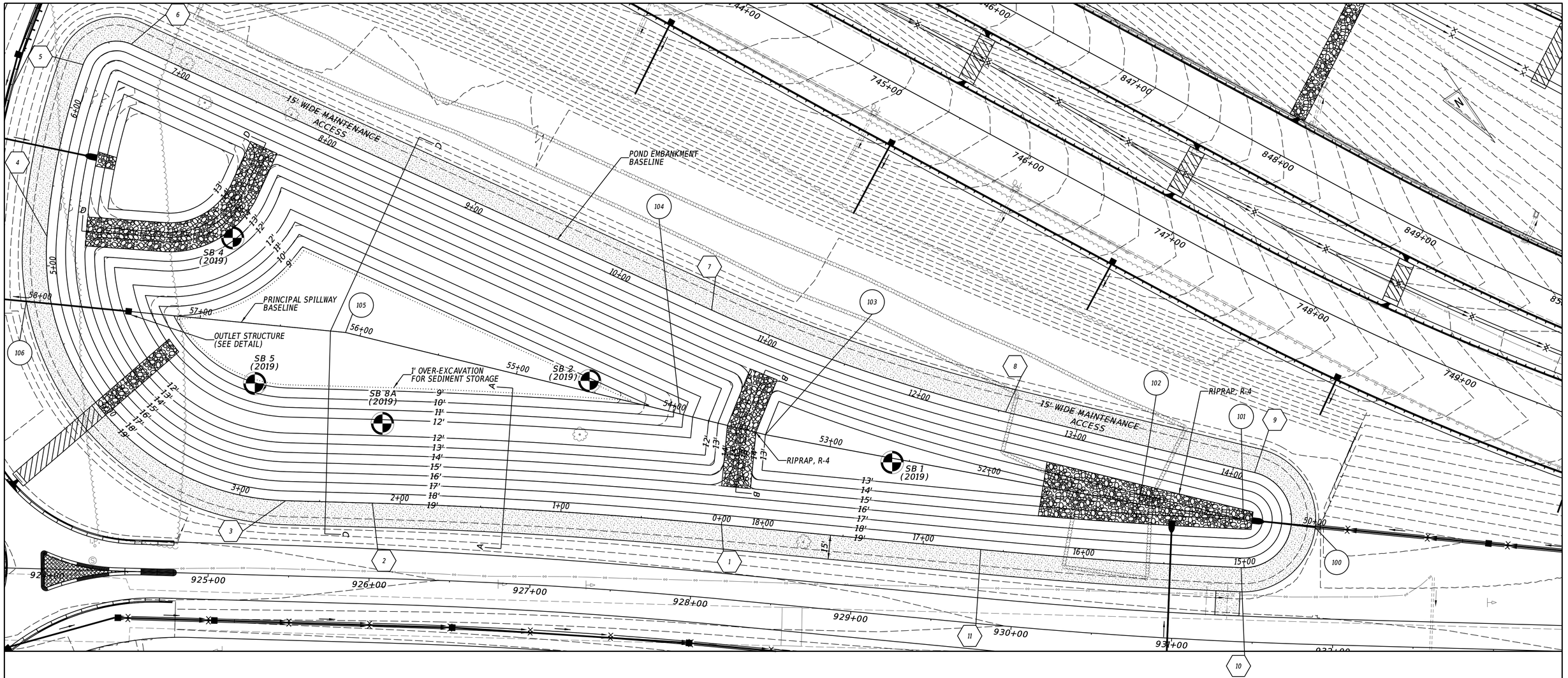
SOIL BORINGS



▽ - DEPTH TO WATER

ADDENDA / REVISIONS		NOT TO SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO. X	STORMWATER MANAGEMENT PLAN	SECTION
				T201612501	DESIGNED BY: N. RIGOLINO		PD
				COUNTY			SHEET NO.
				SUSSEX	CHECKED BY: B. BEHRENS		105

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POND EMBANKMENT BASELINE

POINT NO.	STATION	NORTHING	EASTING
1	0+00.00	274204.2871	720979.1229
R = 3230'			
2	2+17.24	274071.5014	721151.0101
3	2+71.07	274040.0445	721194.6906
R = 153'			
4	5+18.26	273821.0070	721225.3057
R = 408'			
5	6+27.80	273745.1657	721146.7197
R = 22'			
6	6+64.30	273751.4900	721114.8876
7	10+60.79	274090.5064	720909.2825
R = 1012'			
8	12+54.30	274245.3942	720793.7751
9	14+13.50	274363.3476	720686.8529
R = 30'			
10	15+01.92	274407.5590	720726.9957
R = 3154'			
11	16+64.01	274307.4594	720854.4687

POND SPILLWAY BASELINE

POINT NO.	STATION	NORTHING	EASTING
100	50+00.00	274508.3178	720564.1285
101	51+91.29	274383.4959	720709.0800
102	52+56.60	274339.3445	720757.2006
103	54+92.71	274173.3479	720925.1205
104	55+47.27	274132.9082	720961.7466
105	57+61.12	273974.4038	721105.3031
106	59+60.35	273847.1037	721258.5519

DELDOT SWM BMP #01128
WET EXTENDED DETENTION POND

NOTES:

1. DRAINAGE AREA TO FACILITY: 33.82 AC, CN: 67
2. MANAGEMENT PROVIDED BY FACILITY:
   WATER QUALITY BY 48-HR EXTENDED DETENTION OF RUNOFF FROM 1-YEAR (RPv) STORM
   WATER QUANTITY BY ATTENUATION OF RUNOFF FROM 10-YEAR (Cv) AND 100-YEAR (Fv) STORMS
3. REFER TO SECTION 910 OF THE STANDARD SPECIFICATIONS

DESIGN SUMMARY

DESIGN STORM	FACILITY INFLOW	FACILITY DISCHARGE	WATER SURFACE ELEVATION, FT	STORAGE VOLUME (AC-FT)
RPv	17.46	0.72	14.21	1.63
Cv	45.07	1.94	15.75	4.20
Fv	118.79	20.88	17.39	7.52

ADDENDA / REVISIONS

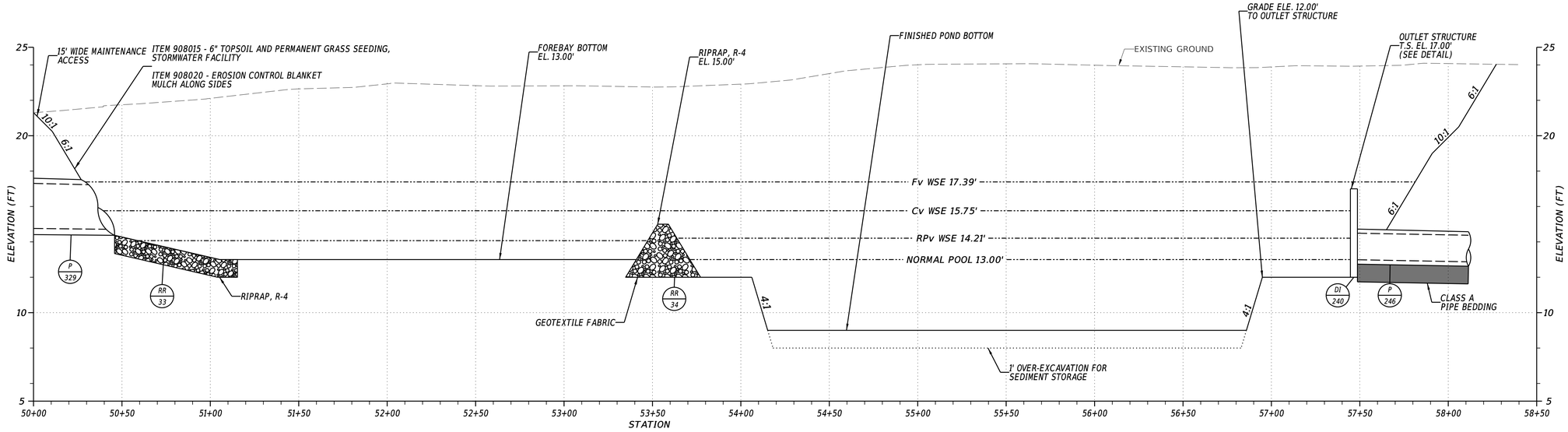
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SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

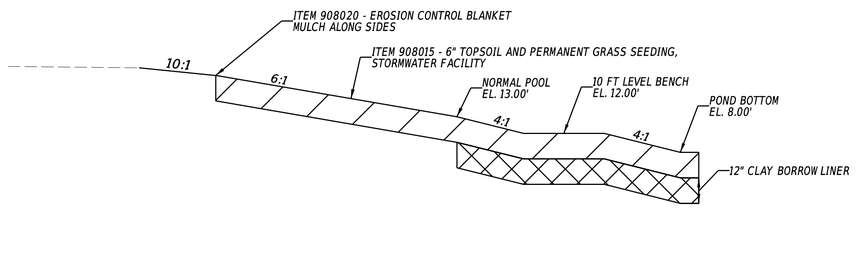
CONTRACT	BRIDGE NO.	X	SECTION
T201612501	DESIGNED BY:	N. RIGOLINO	PD
COUNTY			SHEET NO.
SUSSEX	CHECKED BY:	B. BEHRENS	106

STORMWATER MANAGEMENT PLAN

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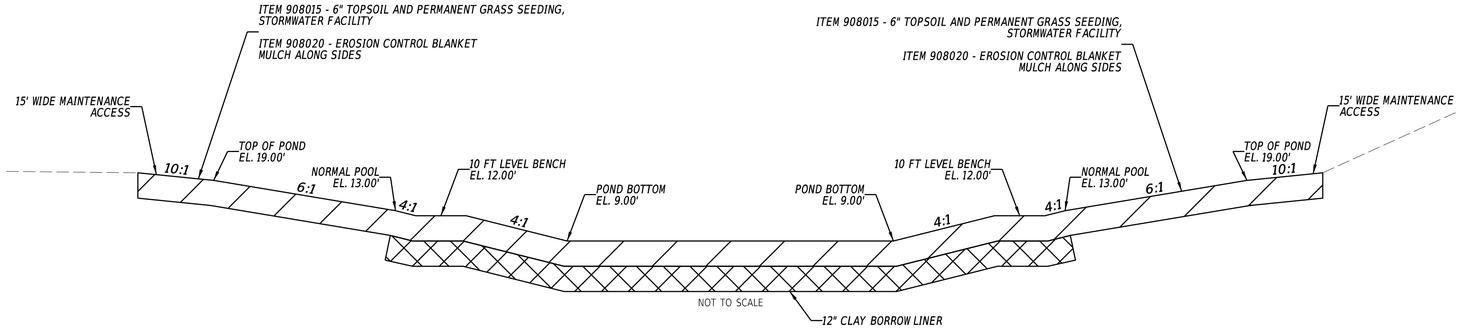


PRINCIPAL SPILLWAY

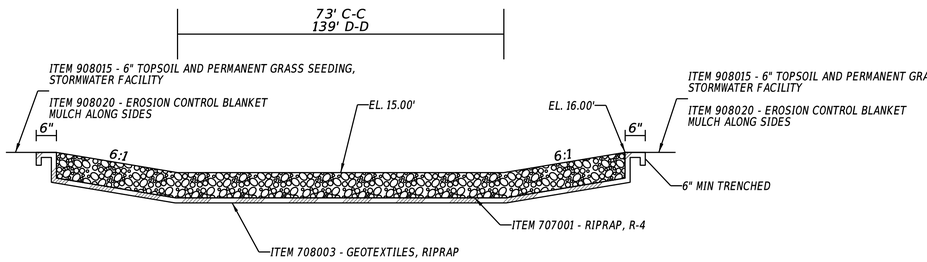


NOT TO SCALE

SECTION A-A



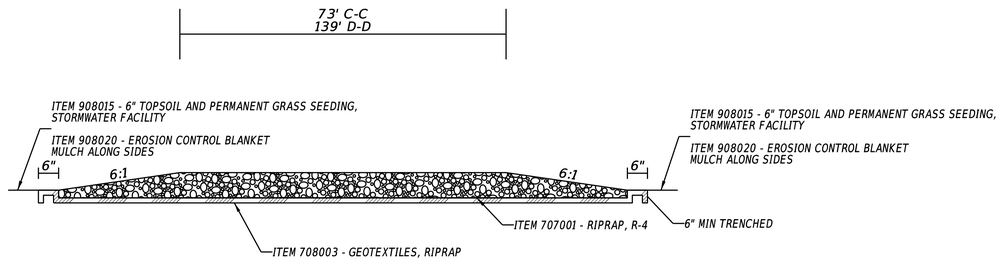
SECTION C-C



FRONT SECTION VIEW

NOT TO SCALE

FOREBAY SPILLWAY DETAIL
SECTION B-B
SECTION D-D



SIDE SECTION VIEW

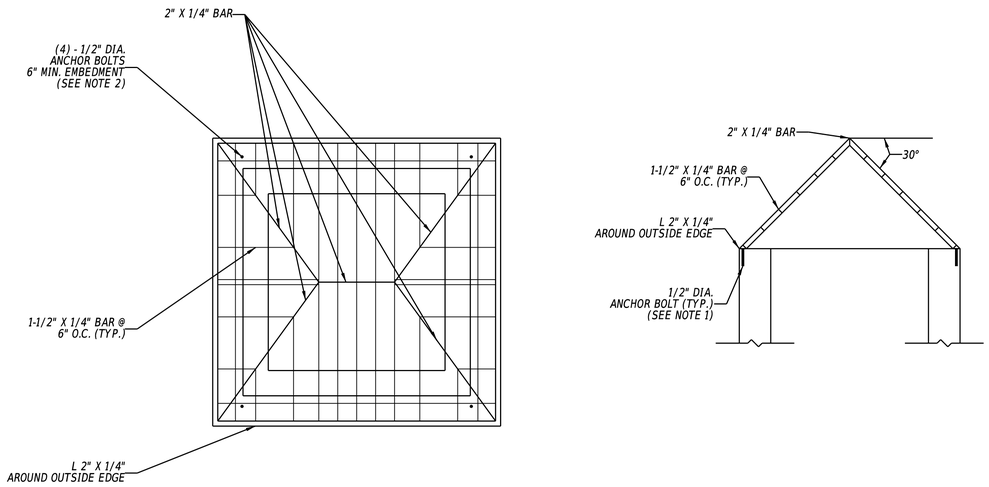
VERTICAL SCALE FEET
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ADDENDA / REVISIONS		SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO. X	STORMWATER MANAGEMENT PLAN	SECTION
		0 30 60 90 FEET		T201612501			PD
				COUNTY	DESIGNED BY: N. RIGOLINO		SHEET NO.
				SUSSEX	CHECKED BY: B. BEHRENS		107

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NOTES:

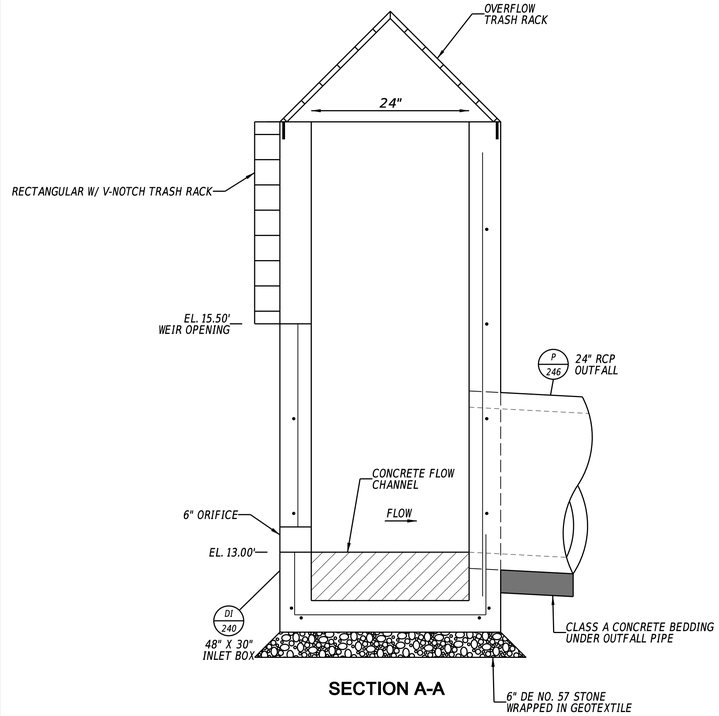
1. FURNISHING, CONSTRUCTING AND PLACING ALL ITEMS ASSOCIATED WITH THE OUTLET STRUCTURE, INCLUDING BUT NOT LIMITED TO, EXCAVATION, TRASH RACKS, CONCRETE, REINFORCING STEEL, STONE BEDDING, GEOTEXTILE, BALLAST, FASTENERS AND BACKFILL MATERIAL SHALL BE INCLUDED IN ITEM NO. 910006 - OUTLET STRUCTURE.
2. ALL CONCRETE FOR OUTLET STRUCTURE SHALL BE PORTLAND CEMENT CONCRETE CLASS A.
3. REINFORCING STEEL SHALL BE EPOXY COATED AND SHALL CONFORM TO AASHTO M31-94, GRADE 60. ALL FASTENERS SHALL BE GRADE 8.
4. GEOTEXTILE SHALL CONFORM TO ITEM NO. 708002 - GEOTEXTILES, SEPARATION. PAYMENT INCIDENTAL TO ITEM NO. 910006.
5. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS DETAILING LAYOUT AND DESIGN OF OUTLET STRUCTURE AND TRASH RACKS SEALED BY A REGISTERED DELAWARE PROFESSIONAL ENGINEER.
6. STRUCTURE SHALL BE CONSTRUCTED FROM PRECAST DELDOT STANDARD 48" X 30" INLET BOX.
7. CONTRACTOR SHALL STENCIL THE APPROVED DELDOT BMP NUMBER ONTO THE CONCRETE OUTLET STRUCTURE. NUMBER SHALL BE 4" TALL AND STENCILED IN BLACK PAINT. COST SHALL BE INCIDENTAL TO ITEM NO. 910006.
8. REINFORCED CONCRETE PIPE SHALL BE PAID FOR SEPARATELY.
9. COARSE AGGREGATE, GEOTEXTILE, PIPE CRADLE, AND EXCAVATION AND EMBANKMENT SHALL BE INCIDENTAL TO ITEM NO. 910006.
10. BAR GUARD SHALL BE AGRI DRAIN OR APPROVED EQUAL, AND SHALL BE INCIDENTAL TO ITEM NO. 910006.
11. TRASH RACK SHALL BE INCIDENTAL TO ITEM NO. 910006.



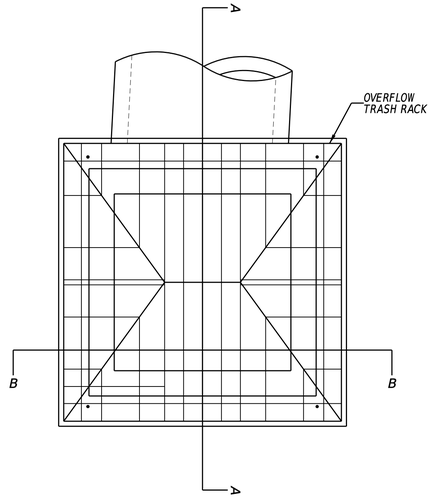
TOP VIEW

NOTES:
1. ANCHOR BOLTS TO BE STAINLESS STEEL ONLY.
2. TRASH RACK BARS TO BE ALUMINUM ONLY.
3. PAYMENT OF TRASH RACK IS INCIDENTAL TO ITEM 910006.

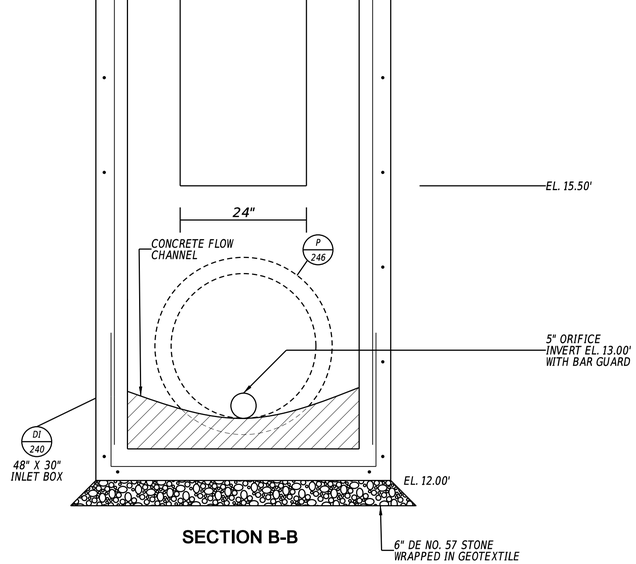
OVERFLOW TRASH RACK DETAIL



SECTION A-A



TOP VIEW



SECTION B-B

BMP #01128 - OUTLET STRUCTURE DETAIL
DI-240

ADDENDA / REVISIONS		NOT TO SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO.	X	STORMWATER MANAGEMENT PLAN	SECTION
				T201612501	DESIGNED BY: N. RIGOLINO			PD
				COUNTY				SHEET NO.
				SUSSEX	CHECKED BY: B. BEHRENS			108

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DRY DETENTION FACILITY BMP #01129 GENERAL NOTES

THE STORMWATER MANAGEMENT POND SHALL FUNCTION AS A SEDIMENT BASIN DURING ROADWAY CONSTRUCTION AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING SECTIONS OF THE STANDARD SPECIFICATIONS
SECTION 910 - STORMWATER MANAGEMENT FACILITIES

INITIAL CONSTRUCTION

1. BEFORE ANY CONSTRUCTION BEGINS ON THE DRY POND, CONTACT THE DESIGNATED CCR A MINIMUM OF 2 WORKING DAYS IN ADVANCE SO THAT THE REQUIRED FACILITY CONSTRUCTION CHECKLIST CAN BE COMPLETED.

2. INSTALL STABILIZED CONSTRUCTION ENTRANCE(S) AS NEEDED.

3. CLEAR AND GRUB FOR INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS.

4. INSTALL PERIMETER CONTROLS AS SHOWN ON THE PLANS.

5. CLEAR AND GRUB REMAINING AREA FOR DRY POND CONSTRUCTION.

6. EXCAVATE PARTIAL EMBANKMENT AS NEEDED TO CONSTRUCT AND INSTALL OUTLET STRUCTURE AND PIPE. DEWATER FOUNDATION AS NEEDED IN ACCORDANCE WITH SECTION 900 OF DELDOT'S STANDARDS AND SPECIFICATIONS.

7. BLOCK WEIR FROM ELEVATION 20.00' TO 21.00'.

8. INSTALL SKIMMER DEWATERING DEVICE IN LOW FLOW ORIFICE, EL. 18.00'.

9. EXCAVATE POND AND COMPLETE THE EMBANKMENT AND BASIN TO THE LINES, GRADES AND DETAILS SHOWN ON THE PLANS.

10. STABILIZE ALL DISTURBED AREAS.

MAINTENANCE OF POND AS A SEDIMENT BASIN

11. THE CONTRACTOR SHALL INSPECT THE BASIN THE NEXT WORK DAY FOLLOWING A RAIN EVENT AND MAKE ANY REPAIRS AS NEEDED.

12. CLEARLY MARK THE CLEANOUT ELEVATION ON A STAKE DRIVEN INTO THE GROUND AT A LOCATION CLEARLY VISIBLE FROM THE EMBANKMENT. SEDIMENT SHALL BE REMOVED WHEN CLEANOUT ELEVATION IS REACHED AND DISPOSED OF AT A LOCATION APPROVED BY THE ENGINEER.

13. CLEANOUT ELEVATION OF BMP #01129 IS 20.00'.

CONVERSION TO PERMANENT DRY POND FACILITY

ALL AREAS DRAINING TO THE FACILITY MUST BE AT FINAL GRADE AND STABILIZED AS APPROVED BY THE STORMWATER ENGINEER PRIOR TO CONVERSION TO PERMANENT STORMWATER FACILITY. AN ONSITE MEETING WILL BE CONDUCTED WITH THE STORMWATER ENGINEER OR ENGINEER OF RECORD TO DETERMINE THE E&S REQUIREMENTS.

14. CONVERT THE SEDIMENT BASIN AFTER ALL AREAS DRAINING TO IT HAVE ATTAINED FINAL STABILIZATION AND THE STORMWATER ENGINEER HAS CONCURRED WITH THE CONVERSION.

15. REMOVE ANY EXCESS SEDIMENT FROM THE POND BOTTOM ABOVE ELEVATION 18.0'.

16. COMPLETE STABILIZATION OF ALL BARE AREAS WITH ITEM 908015 - GRASS SEEDING - STORMWATER FACILITY AND ITEM 908020 - EROSION CONTROL BLANKET MULCH.

17. E&S DEVICES SHALL BE REMOVED AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AS APPROVED BY THE STORMWATER ENGINEER.

18. REMOVE SKIMMER DEWATERING DEVICE, UNBLOCK WEIR, AND INSTALL TRASH RACK AND AGRI-DRAIN BAR GUARD OR APPROVED EQUIVALENT TO LOW FLOW ORIFICE.

POST-CONSTRUCTION VERIFICATION (AS-BUILTS) NOTES

19. POST-CONSTRUCTION VERIFICATION TO BE COMPLETED BY THE CONTRACTOR AND CERTIFIED BY A DELAWARE PLS UPON FINAL STABILIZATION BEFORE THE DELDOT INTIAL INSPECTION DATE. THESE DRAWINGS SHALL BE SENT TO THE STORMWATER ENGINEER FOR VERIFICATION. AS-BUILT DRAWINGS SHALL INCLUDE, BUT NOT BE LIMITED TO:

1. GENERAL TOPOGRAPHY OF THE WHOLE FACILITY AT 1-FOOT CONTOURS INCLUDING FOREBAYS AND TOP/TOE OF ANY EMBANKMENT.

2. INVERTS OF ALL PIPES AND SWALES THAT INFLOW TO THE POND.

3. OUTLINE OF ALL RIPRAP AND SPOT ELEVATIONS ON TOP OF THE RIPRAP.

4. OUTLET STRUCTURE (OR WEIR WALL), INVERTS OF ANY AND ALL ORIFICES/WEIRS TOP OF STRUCTURE, OUTLET PIPE, ETC.

5. PRIMARY OUTFLOW PIPE OR CHANNEL FOR A PIPE OUTFALL, INVERTS AT THE ENTRANCE AND EXIT. FOR A PRIMARY OUTFLOW CHANNEL/SWALE, SHOW AT MINIMUM THREE CROSS-SECTIONS OF EQUAL DISTANCE APART AT 50' DOWNSTREAM ALONG THE SLOPE.

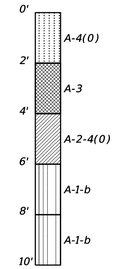
DEWATERING NOTES:

1. DEWATER THE EXCAVATION AREA IN ACCORDANCE WITH SECTION 900 OF THE STANDARD SPECIFICATIONS. THE CONTRACTOR MAY DEWATER UP TO 5,000 GALLONS PER DAY IN ACCORDANCE WITH THE STATEWIDE GENERAL PERMIT FOR MINOR DEWATERING ACTIVITIES AND SHALL BE INCIDENTAL TO ITEM 91008 AND ITEM 91006.

2. EACH DEWATERING PUMP SHALL HAVE A FUNCTIONING INSTANTANEOUS/TOTALIZING VOLUME METER INSTALLED PRIOR TO THE WITHDRAW OF GROUNDWATER. THE DEWATERING OPERATION WILL BE CONTINUOUS UNTIL COMPLETION.

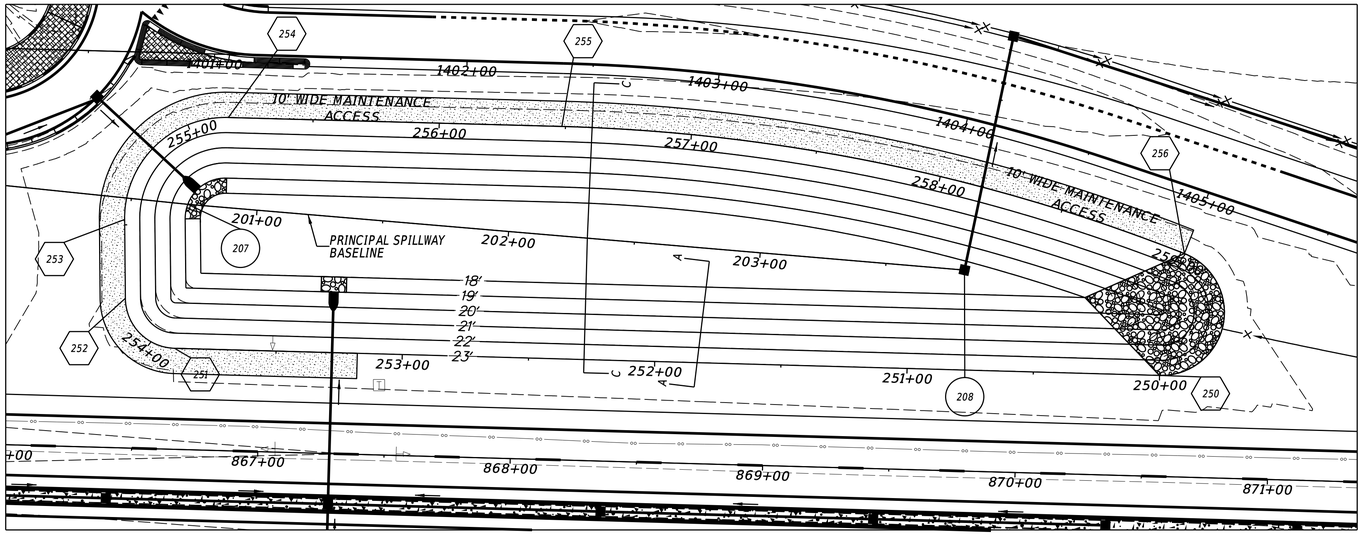
3. THE CONTRACTOR SHALL NOTIFY THE DNREC WATER SUPPLY SECTION AT 302-739-9945 48 HOURS PRIOR TO STARTING ANY DEWATERING OPERATION.

SOIL BORINGS



ADDENDA / REVISIONS		NOT TO SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO.	X	DRAINAGE FACILITY PLAN	SECTION
				T201612501				PD
				COUNTY	DESIGNED BY:	N. RIGOLINO		SHEET NO.
				SUSSEX	CHECKED BY:	B. BEHRENS		109

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DELDOT SWM BMP #01129
DRY POND

POND EMBANKMENT BASELINE			
POINT NO.	STATION	NORTHING	EASTING
250	0+00.00	275638.6214	718853.1706
251	253+90.24	275410.7797	719169.9950
R = 20'			
252	254+20.91	275383.4792	719174.9797
253	254+52.13	275357.4175	719157.7107
R = 40'			
254	255+16.43	275347.1093	719101.0532
255	256+48.56	275424.1879	718993.7365
R = 725'			
256	259+01.48	275604.2277	718817.9281
R = 25'			

POND SPILLWAY BASELINE			
POINT NO.	STATION	NORTHING	EASTING
207	200+72.48	275366.5563	719133.6569
208	203+81.17	275560.7367	718893.6830

DESIGN SUMMARY				
DESIGN STORM	FACILITY INFLOW	FACILITY DISCHARGE	WATER SURFACE ELEVATION, FT	STORAGE VOLUME (AC-FT)
Cv	13.89	1.38	20.29	0.76
Fv	32.46	10.84	21.36	1.33

ADDENDA / REVISIONS

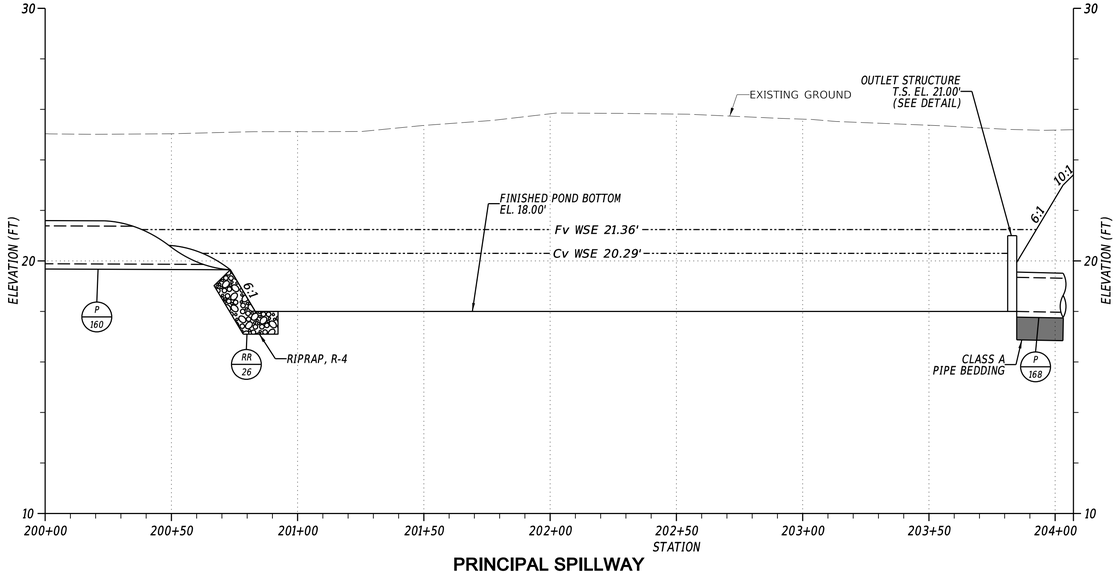
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FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

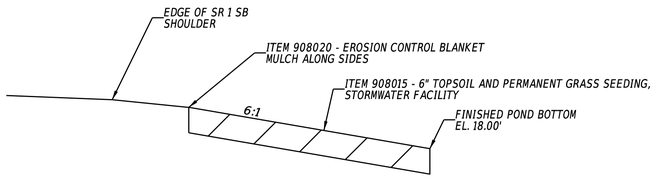
CONTRACT	BRIDGE NO.	X	SECTION
T201612501	DESIGNED BY: N. RIGOLINO		PD
COUNTY	CHECKED BY: B. BEHRENS		SHEET NO.
SUSSEX			110

DRAINAGE FACILITY PLAN

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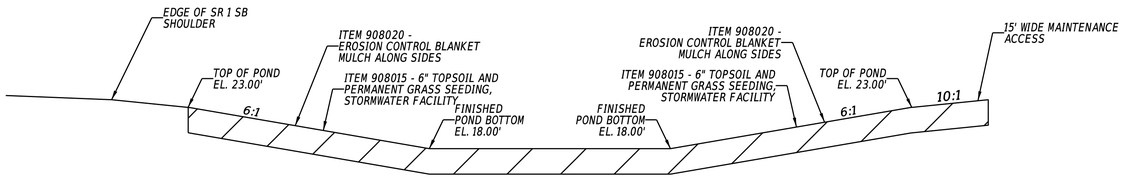


PRINCIPAL SPILLWAY



NOT TO SCALE

SECTION A-A



NOT TO SCALE

SECTION C-C

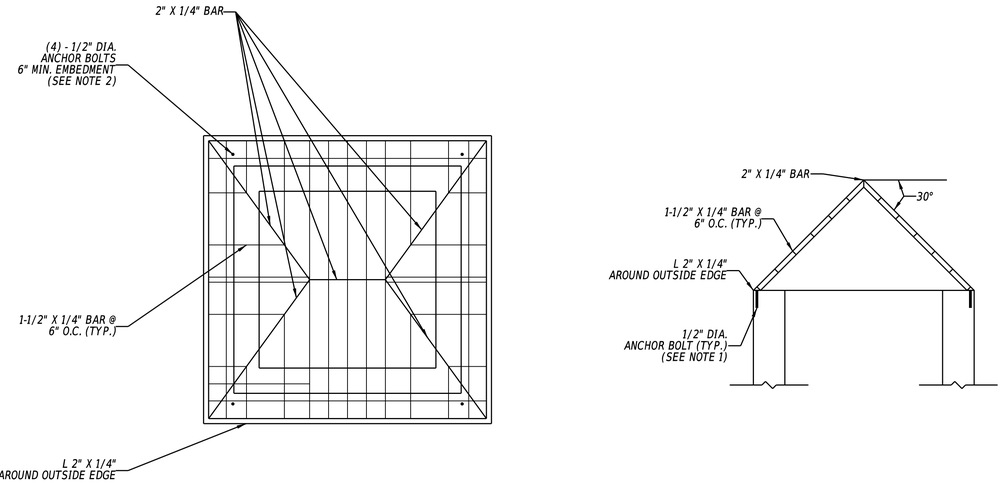
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ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	DRAINAGE FACILITY PLAN	SECTION PD
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SHEET NO. 111
					CHECKED BY: B. BEHRENS		

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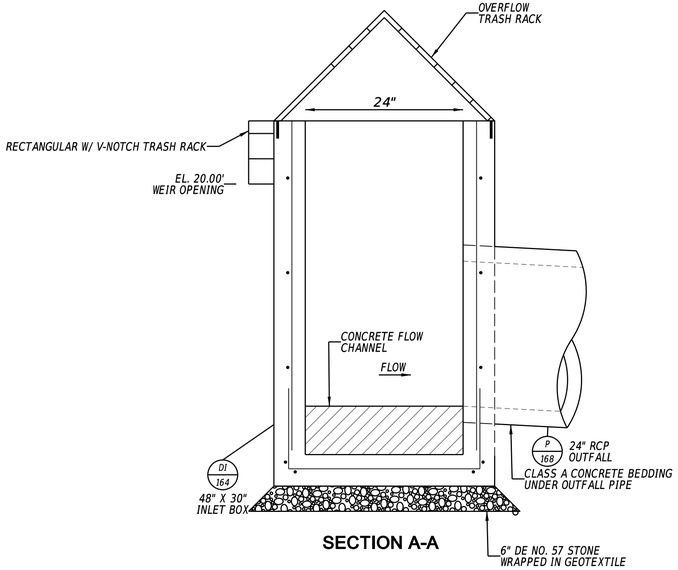
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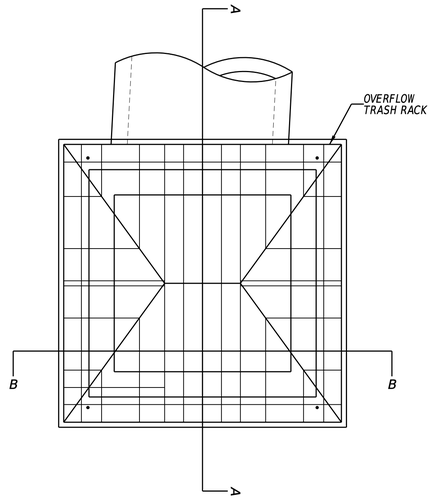
TOP VIEW

NOTES:
1. ANCHOR BOLTS TO BE STAINLESS STEEL ONLY.
2. TRASH RACK BARS TO BE ALUMINUM ONLY.
3. PAYMENT OF TRASH RACK IS INCIDENTAL TO ITEM 910006.

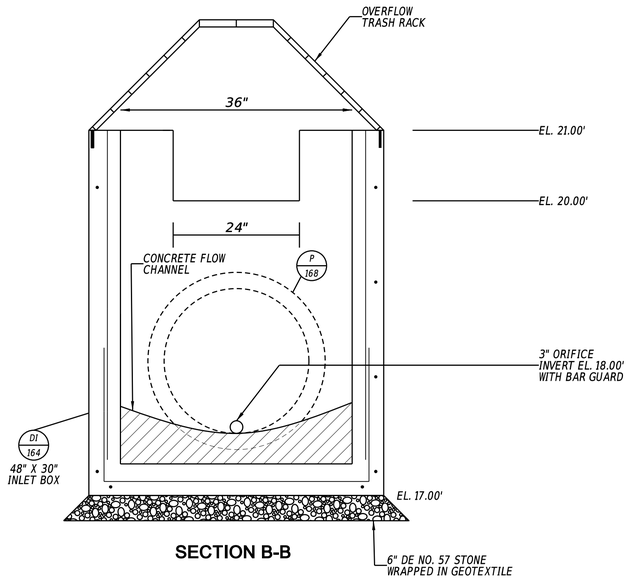
OVERFLOW TRASH RACK DETAIL



SECTION A-A



TOP VIEW

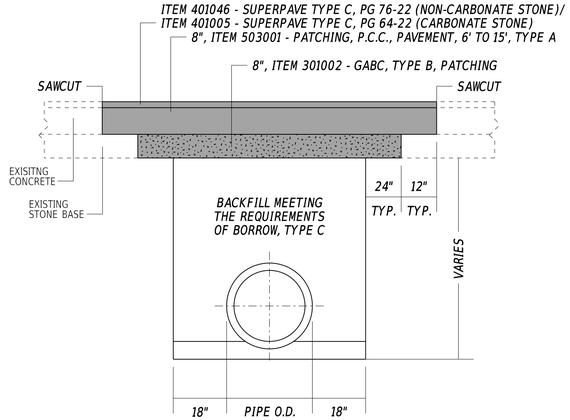


SECTION B-B

BMP #01129 - OUTLET STRUCTURE DETAIL DI-164

ADDENDA / REVISIONS	NOT TO SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	DRAINAGE FACILITY PLAN	SECTION PD
			COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SHEET NO. 112
				CHECKED BY: B. BEHRENS		

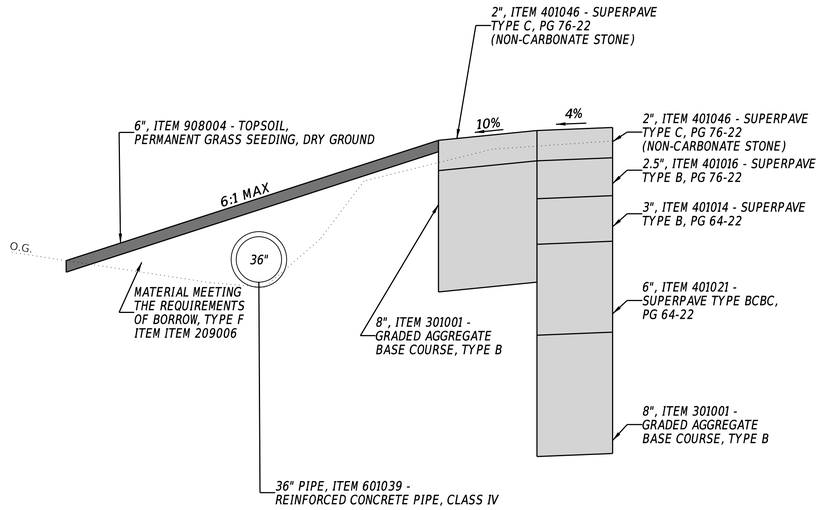
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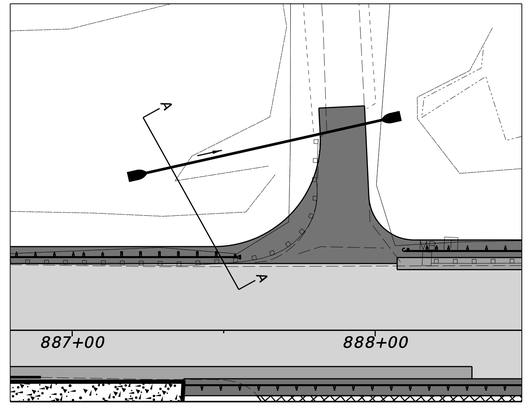


NOTES:
1) SEE STANDARD CONSTRUCTION DETAILS FOR PIPE BEDDING REQUIREMENTS.

2) THIS DETAIL SHOWS THE MINIMUM PAVEMENT PATCH REQUIREMENTS. IF THE EXISTING ROADWAY HAS A HEAVIER CROSS SECTION, THE PROPOSED PAVEMENT PATCH WILL MATCH THE HEAVIER CROSS SECTION, OR AS DIRECTED BY THE ENGINEER.

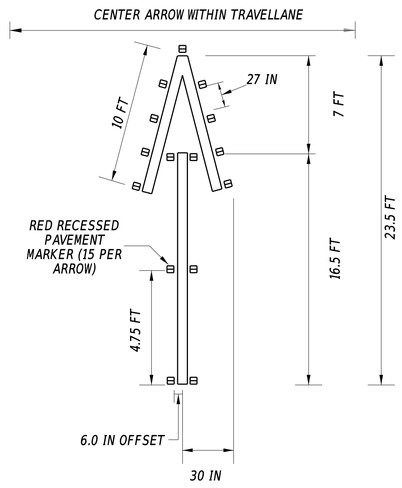
RIGID PAVEMENT PATCH
NOT TO SCALE



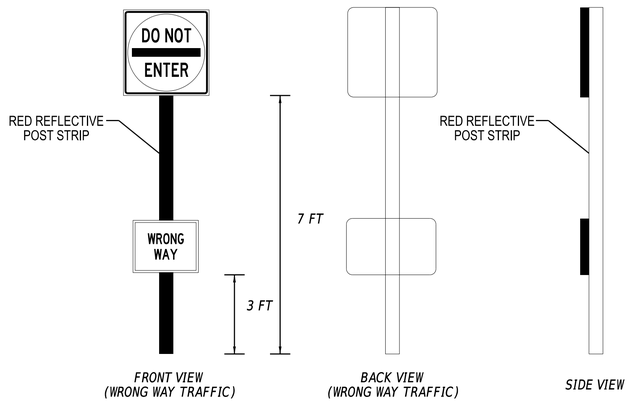


DRAINAGE PIPE DETAIL
SECTION A-A

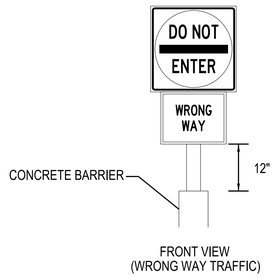
BARRIER MOUNTED SIGNS PAID FOR UNDER ITEMS:
ITEM 821001 - SUPPLY OF BARRIER MOUNTED SIGN SUPPORT, 4" POST
ITEM 821003 - INSTALLATION OF BARRIER MOUNTED SIGN SUPPORT
ITEM 821005 - INSTALLATION OF SIGN ON BARRIER MOUNTED SIGN SUPPORT



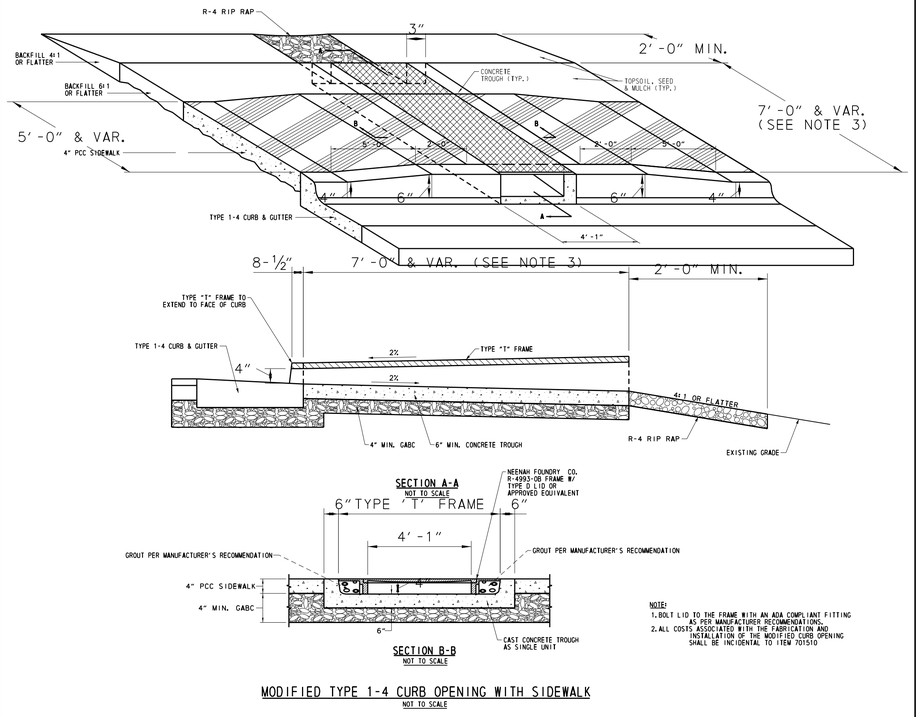
WRONG WAY THROUGH LANE-USE ARROW PAVEMENT MARKING DETAIL



WRONG WAY SIGN AND REFLECTIVE POST STRIP GROUND MOUNT DETAIL



WRONG WAY SIGN BARRIER MOUNT DETAIL



MODIFIED TYPE 1-4 CURB OPENING WITH SIDEWALK
NOT TO SCALE

ADDENDA / REVISIONS	

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

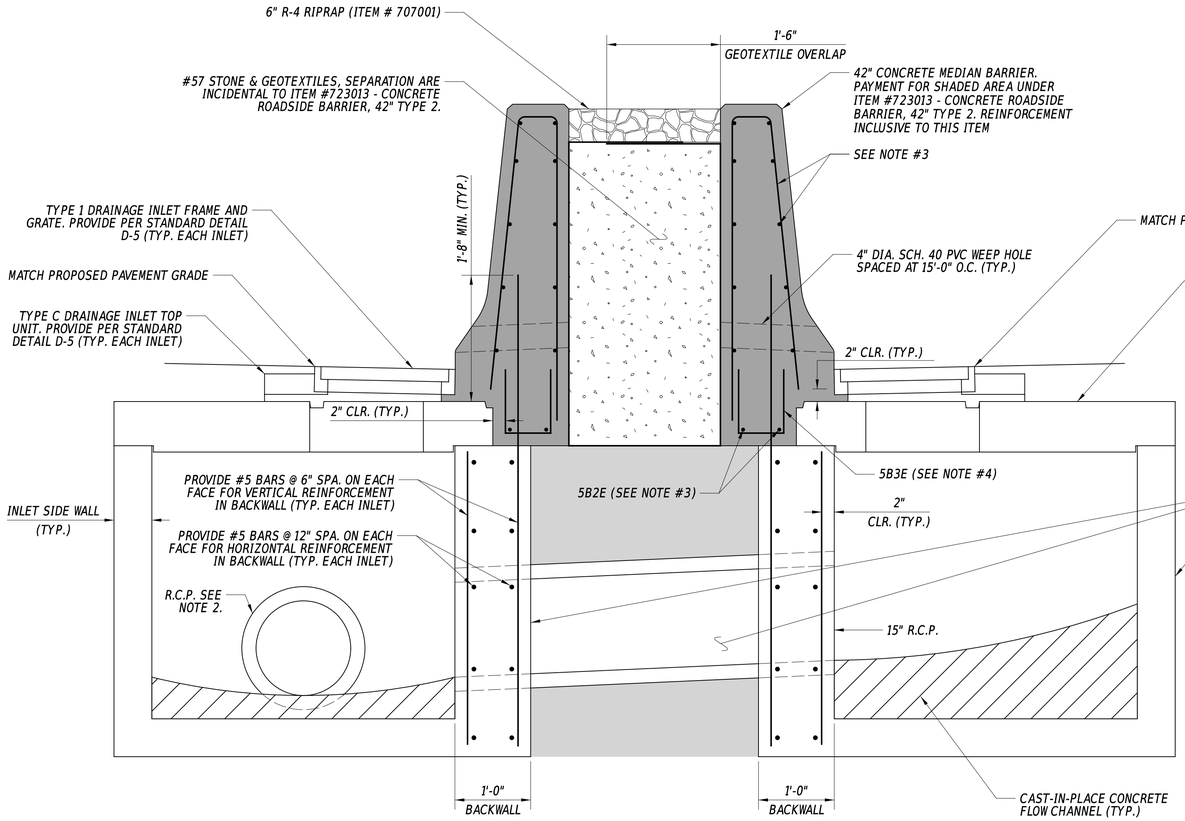
CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

CONSTRUCTION DETAILS

SECTION
PD
SHEET NO.
113

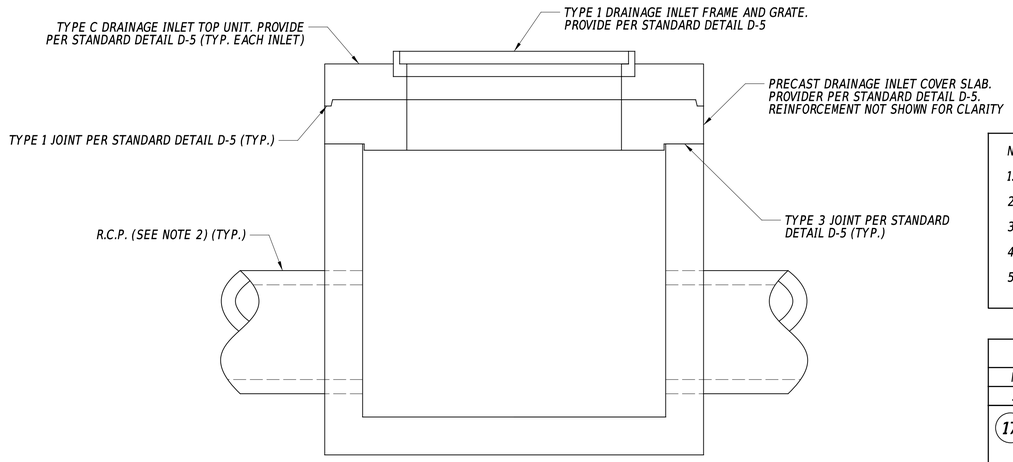
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ITEM #602012 - DRAINAGE INLET, SPECIAL DETAIL

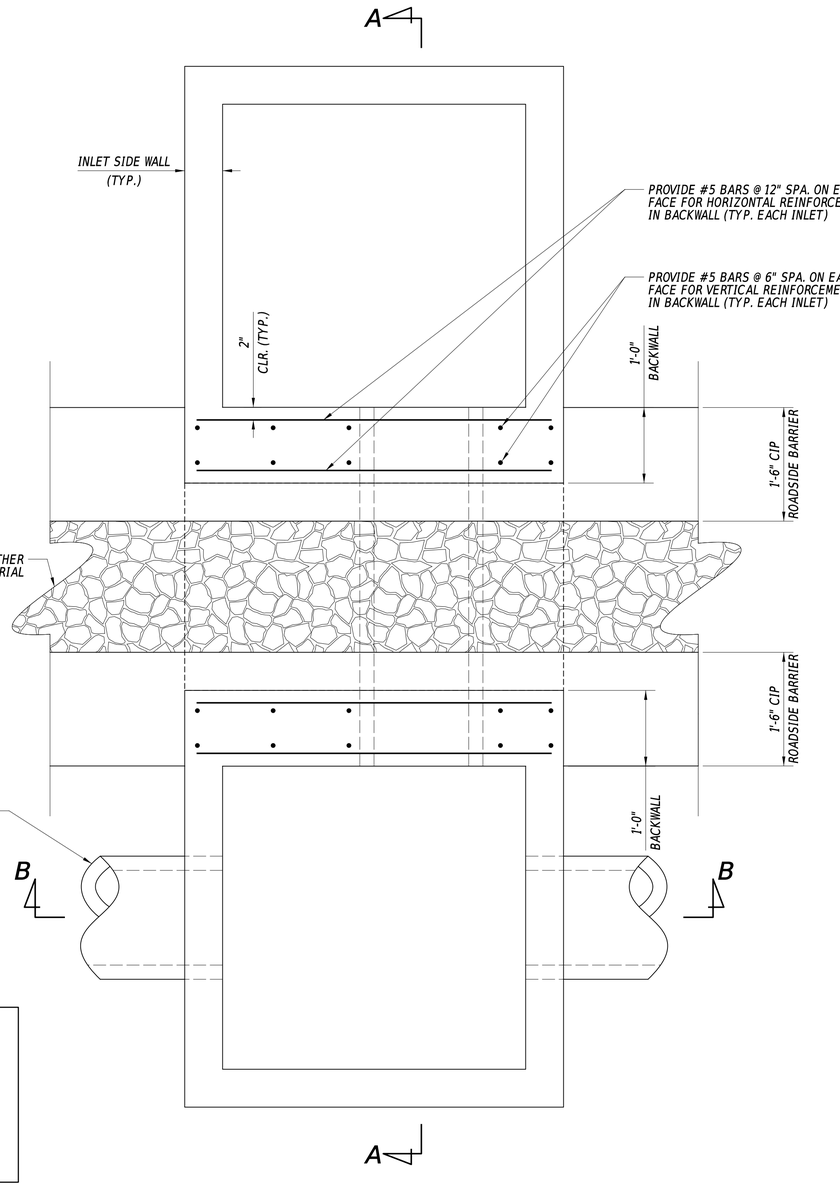


FLOWABLE FILL - ITEM #208000

SECTION A-A



SECTION B-B



PLAN

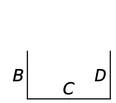
NOTES:

1. PAYMENT FOR DRAINAGE INLET BOX BACKWALL REINFORCEMENT INCIDENTAL TO ITEM #602012 - DRAINAGE INLET, SPECIAL.
2. REFER TO CP-02 TO CP-04 AND CP-08 TO CP-13 FOR THE DRAINAGE INLET AND R.C.P SCHEDULES.
3. REFER TO DELDOT STANDARD CONSTRUCTION DETAIL B-26 FOR REINFORCEMENT INFORMATION.
4. SPACING TO MATCH BAR 5B3E FROM DELDOT STANDARD CONSTRUCTION DETAIL B-26. NUMBER OF BARS WILL VARY DEPENDING ON SIZE OF DRAINAGE BOX.
5. SEE SIGNING AND STRIPING SHEETS FOR LOCATIONS OF BARRIER MOUNTED SINGS.

REINFORCING BAR SCHEDULE

MARK	SIZE	LENGTH	TYPE	A	B	C	D
5B3E	5	2'-4"	17	-	10"	8"	10"

17



PREPARED BY
DELDOT - TRANSPORTATION SOLUTIONS
BRIDGE DESIGN

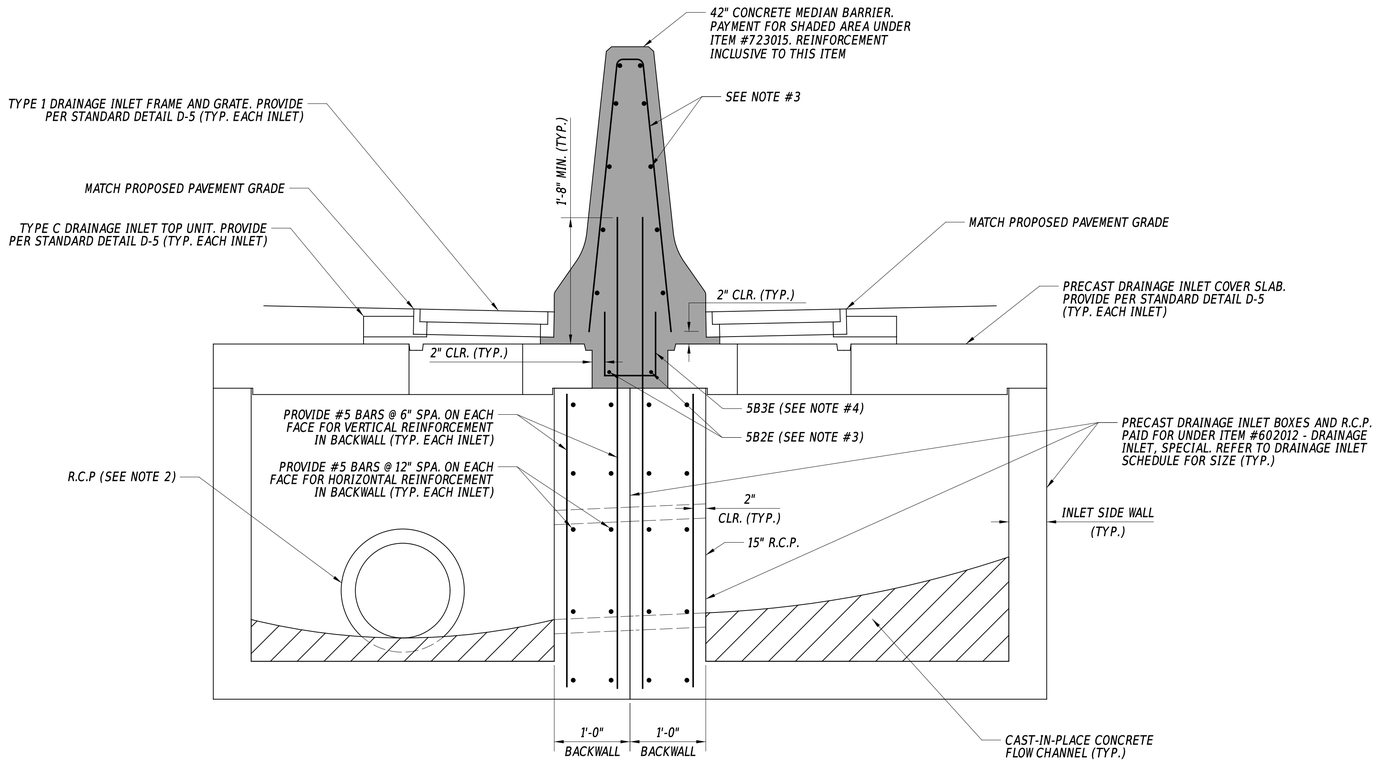
SEAN WILLIAM WEAVER LICENSE No. 24550 DELAWARE PROFESSIONAL ENGINEER

08/20/2024
DATE

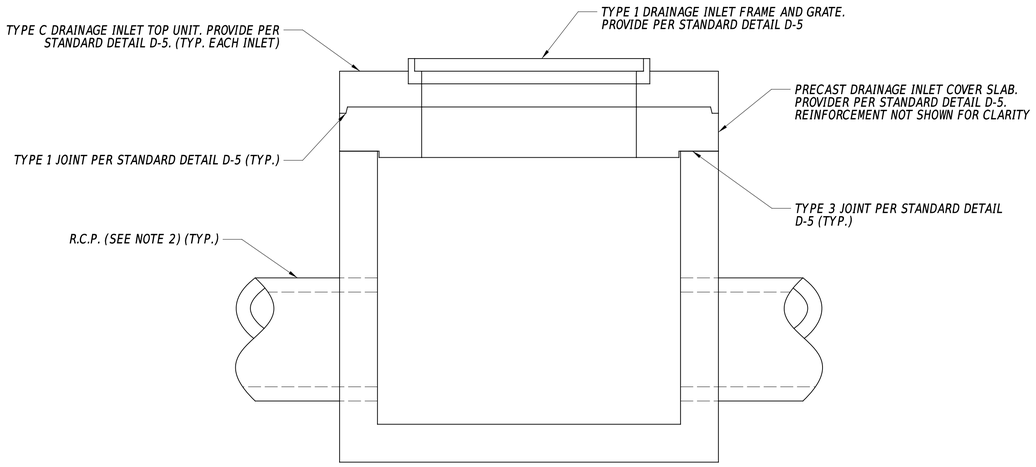
THIS SEAL APPLIES TO ALL SHEETS BEARING THE "BR" SECTION DESIGNATION.

SEAL

| ADDENDA / REVISIONS | | SCALE | | |

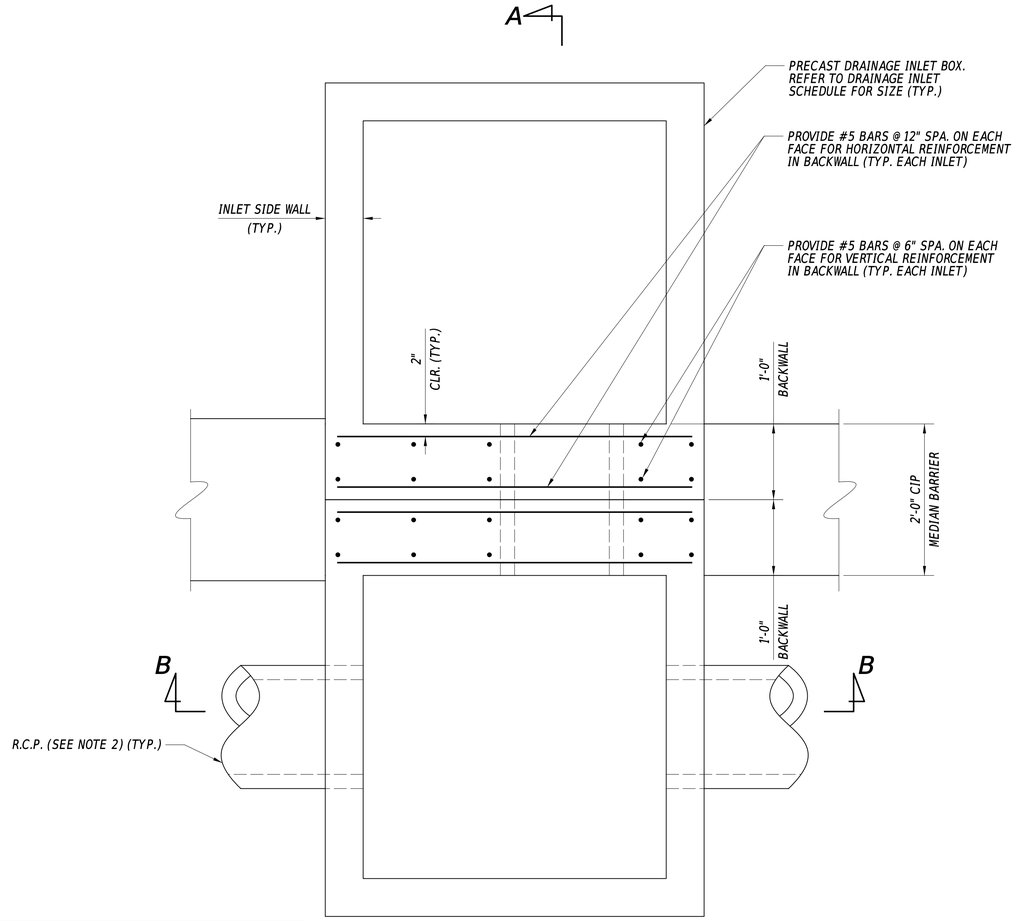


SECTION A-A



SECTION B-B

ITEM #602012 - DRAINAGE INLET, SPECIAL DETAIL



PLAN

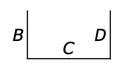
NOTES:

1. PAYMENT FOR DRAINAGE INLET BOX BACKWALL REINFORCEMENT INCIDENTAL TO ITEM #602012 - DRAINAGE INLET, SPECIAL.
2. REFER TO CP-02 TO CP-04 AND CP-08 TO CP-13 FOR THE DRAINAGE INLET AND R.C.P SCHEDULES.
3. REFER TO DELDOT STANDARD CONSTRUCTION DETAIL B-26 FOR REINFORCEMENT INFORMATION.
4. SPACING TO MATCH BAR 5B1E FROM DELDOT STANDARD CONSTRUCTION DETAIL B-26. NUMBER OF BARS WILL VARY DEPENDING ON SIZE OF DRAINAGE BOX.
5. SEE SIGNING AND STRIPING SHEETS FOR LOCATIONS OF BARRIER MOUNTED SINGS.

REINFORCING BAR SCHEDULE

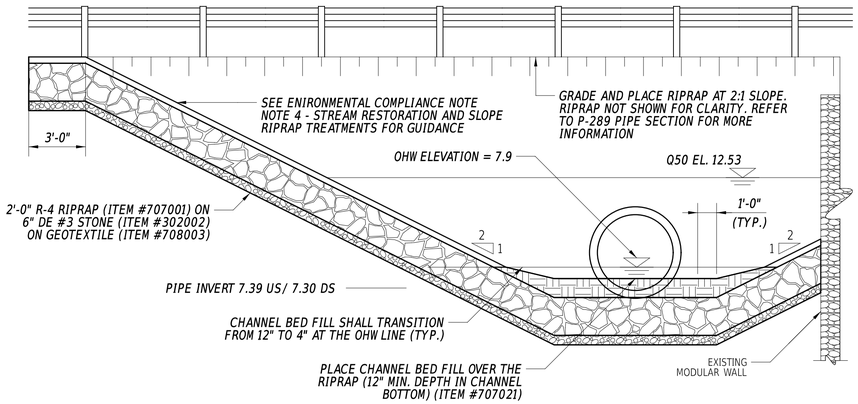
MARK	SIZE	LENGTH	TYPE	A	B	C	D
5B3E	5	2'-4"	17	-	10"	8"	10"

17



ADDENDA / REVISIONS		SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO.	X	CONSTRUCTION DETAILS	SECTION
		0 1 2 3 FEET		T201612501	DESIGNED BY:	M. TOUSSAINT		BR
				COUNTY	CHECKED BY:	S. WEAVER		SHEET NO.
				SUSSEX				115

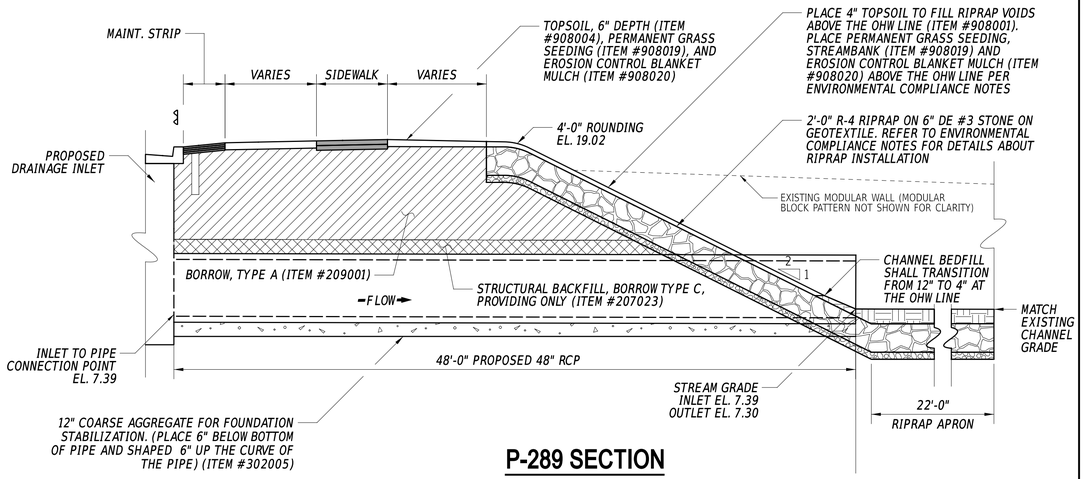
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P-289 ELEVATION

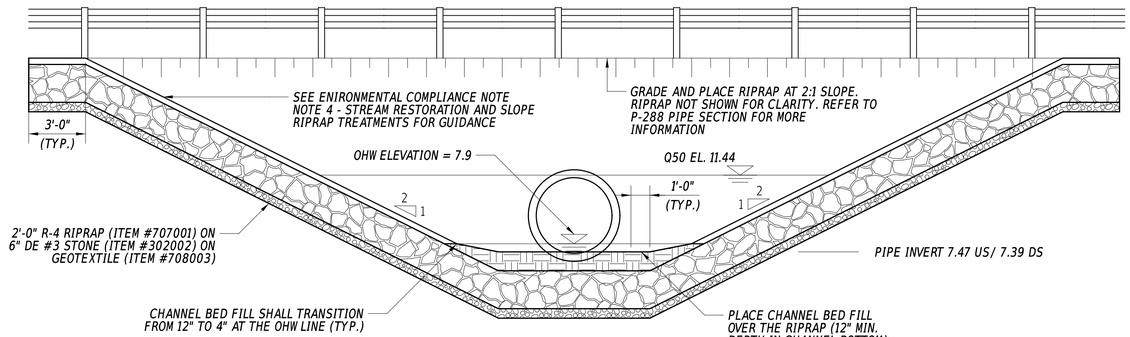
1/4" = 1'-0"

NOTES:
1. PROPOSED P-288 AND P-289 PIPES:
   THE EXISTING 3'-0" REINFORCED CONCRETE PIPE WILL BE REPLACED WITH A 5'-0" REINFORCED CONCRETE PIPE (64'-0") ON THE UPSTREAM END AND A 5'-6" REINFORCED CONCRETE PIPE (48'-0" LONG) ON THE DOWNSTREAM END. THE TWO PIPES WILL BE CONNECTED BY A DRAINAGE INLET UNDERNEATH NASSAU ROAD. THE 5'-6" PIPE WILL BE RECESSED 6" BELOW THE ESTABLISHED STREAM GRADE. PLACE 6" COURSE AGGREGATE BEDDING BENEATH THE PIPES AND 6" SHAPED UP THE CURVE OF EACH PIPE. REFER TO SHEET 30 ON THE CP SHEET FOR THE PLAN VIEW AND MORE INFORMATION.
2. PROPOSED P-291 PIPE:
   THE EXISTING 4'-0" REINFORCED CONCRETE PIPE WILL BE EXTENDED UPSTREAM WITH A 4'-0" REINFORCED CONCRETE PIPE (32'-0" LONG). REFER TO SHEET 31 ON THE CP SHEET FOR THE PLAN VIEW AND MORE INFORMATION.
3. RIPRAP PLACEMENT:
   A. PROPOSED 5'-0" AND 5'-6" PIPES - RIPRAP WILL BE PLACED, UPSTREAM AND DOWNSTREAM, IN THE CHANNEL BOTTOM 22'-0" FROM THE PIPE INLET AND OUTLET ALONG THE STREAM CENTERLINE AND WILL BE PLACED TO CREATE A SMOOTH BEND THAT MATCHES THE EXISTING STREAM BANKS.
   B. PROPOSED 4'-0" PIPE - RIPRAP WILL BE PLACED, UPSTREAM, IN THE CHANNEL BOTTOM 10'-0" FROM THE PIPE INLET ALONG THE STREAM CENTERLINE AND WILL BE PLACED TO CREATE A SMOOTH BEND THAT MATCHES THE EXISTING STREAM BANKS.



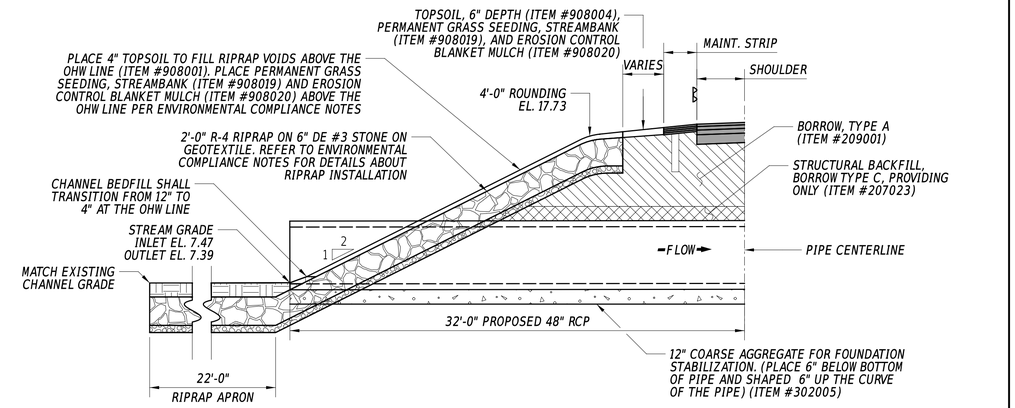
P-289 SECTION

3/16" = 1'-0"



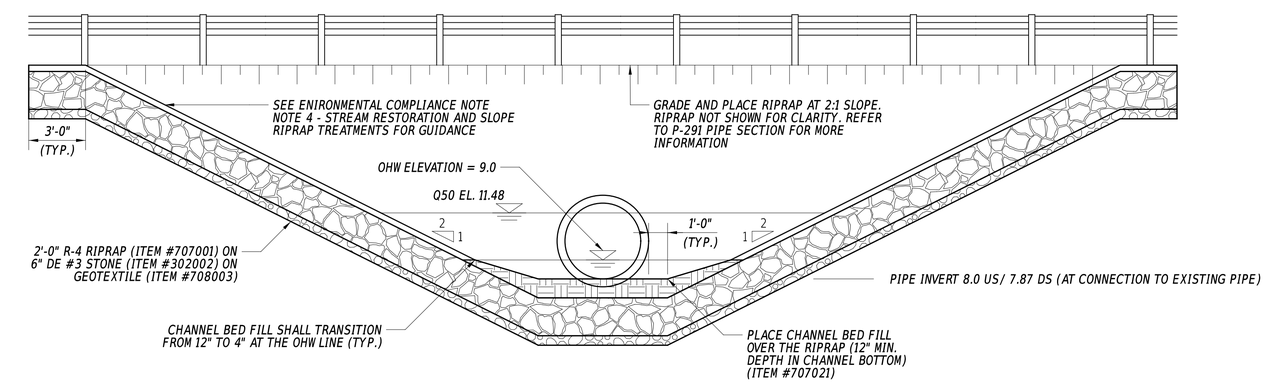
P-288 ELEVATION

1/4" = 1'-0"



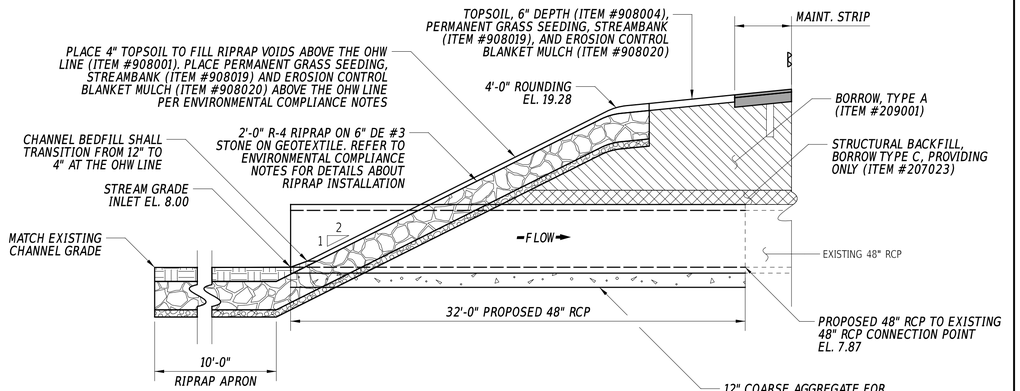
P-288 SECTION

3/16" = 1'-0"



P-291 ELEVATION

1/4" = 1'-0"

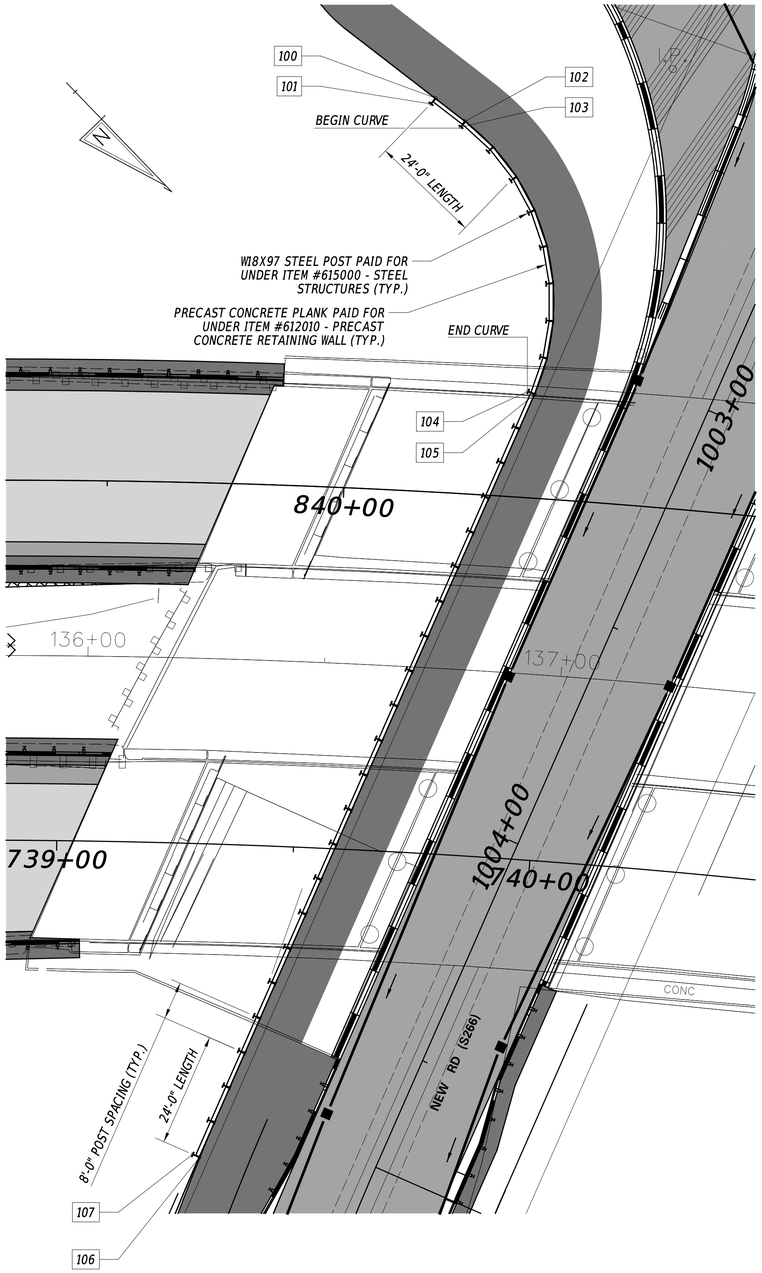


P-291 SECTION

3/16" = 1'-0"

ADDENDA / REVISIONS		SCALE AS NOTED	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO.	N/A	BRIDGE DETAILS	SECTION
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				COUNTY	CHECKED BY:	N. DEAN		SHEET NO.
				SUSSEX				116

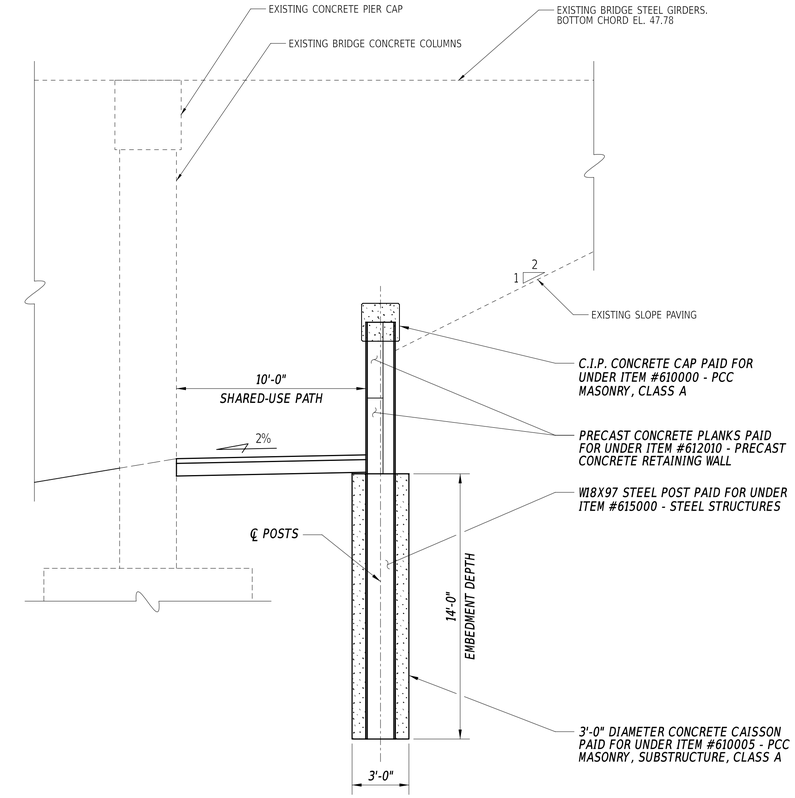
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PLAN

1/16" = 1'-0"

WORKING POINTS				
POINT	STATION	OFFSET	NORTHING	EASTING
100	1002+62.81	79.32	273488.9367	720915.4449
101	1002+64.35	79.70	273489.1648	720917.0117
102	1002+64.74	71.56	273496.8533	720914.2928
103	1002+66.28	71.94	273497.0814	720915.8596
104	1003+11.64	34.91	273548.5389	720943.8044
105	1003+11.64	36.49	273547.0737	720944.4043
106	1004+86.70	35.09	273615.2330	721106.6782
107	1004+86.66	36.67	273613.7677	721107.2782



SECTION

3/16" = 1'-0"

SUGGESTED SEQUENCE OF WALL CONSTRUCTION:

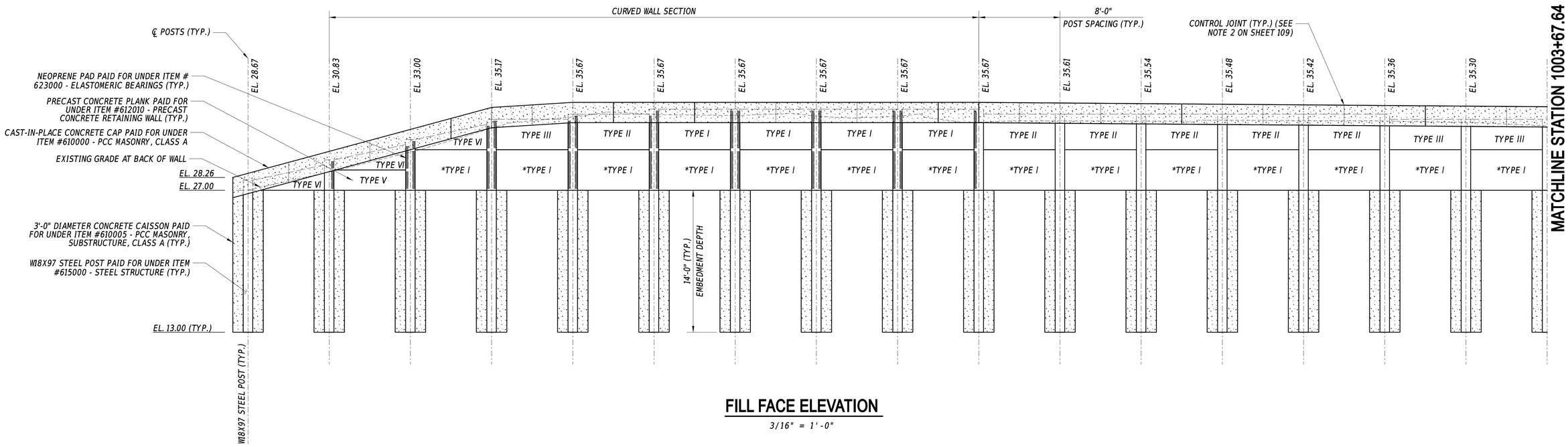
1. *AUGER 3-FOOT DIAMETER HOLE THROUGH SOIL DOWN TO MINIMUM EMBEDMENT DEPTH (EL. 13.00).*
2. *INSTALL W18X97 STEEL POST.*
3. *INSTALL CONCRETE INTO HOLE TO FORM CAISSON.*
4. *REPEAT PREVIOUS STEPS FOR ALL POSTS.*
5. *PLACE FIRST CONCRETE PLANK PANEL, HAND EXCAVATING UNTIL PANEL HAS REACHED ELEVATION SHOWN ON PLANS. WHEN PLACING PLANKS IN CURVED SECTION, INSTALL NEOPRENE PADS PRIOR TO PLACING PLANKS.*
6. *CONTINUE PLACING CONCRETE PLANKS UNTIL COMPLETE.*
7. *INSTALL CAST-IN-PLACE CONCRETE CAP.*
8. *BACKFILL WITH BORROW, TYPE C TO MATCH EXISTING GRADE BEHIND WALL.*

GENERAL NOTES:

1. *PORTLAND CEMENT CONCRETE:*
   USE PORTLAND CEMENT CONCRETE FOR PRECAST ELEMENTS AS FOLLOWS:
   (f'c = 28-DAY COMPRESSIVE STRENGTH)
   PRECAST CONCRETE PLANK
   USE PORTLAND CEMENT CONCRETE FOR CAST-IN-PLACE ELEMENTS AS FOLLOWS:
   (f'c = 28-DAY COMPRESSIVE STRENGTH)
   CLASS A - C.I.P. CONCRETE CAP AND CONCRETE CAISSON (f'c = 4.5 ksi)
2. *CONSTRUCTION SEQUENCE MUST CLEARLY DEFINE HOW THE ENTIRE WALL WILL BE CONSTRUCTED. CONTRACTOR MAY PROPOSE ALTERNATIVE CONSTRUCTION SEQUENCE.*
3. *THICKNESS OF SLOPE PAVING ASSUMED TO BE 6" FOR ANALYSIS PURPOSES. CONTRACTOR TO VERIFY THICKNESS AND PROVIDE TO ENGINEER FOR EVALUATION PRIOR TO BEGINNING POST INSTALLATION.*
4. *SOIL EXCAVATION FOR POSTS INCIDENTAL TO ITEM #610005 - PORTLAND CEMENT CONCRETE MASONRY, SUBSTRUCTURE, CLASS A.*
5. *REFER TO CP SHEET FOR CURVE RADIUS.*
6. *WORKING POINTS ARE ASSOCIATED TO OUTER CENTER OF FLANGE FACES OF EACH CORRESPONDING W18X97 STEEL POST.*

ADDENDA / REVISIONS		SCALE AS NOTED	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO.	X	RETAINING WALL PLAN AND SECTION	SECTION
				T201612501	DESIGNED BY:	M. Toussaint		BR
				COUNTY	CHECKED BY:	S. Weaver		SHEET NO.
				SUSSEX				117

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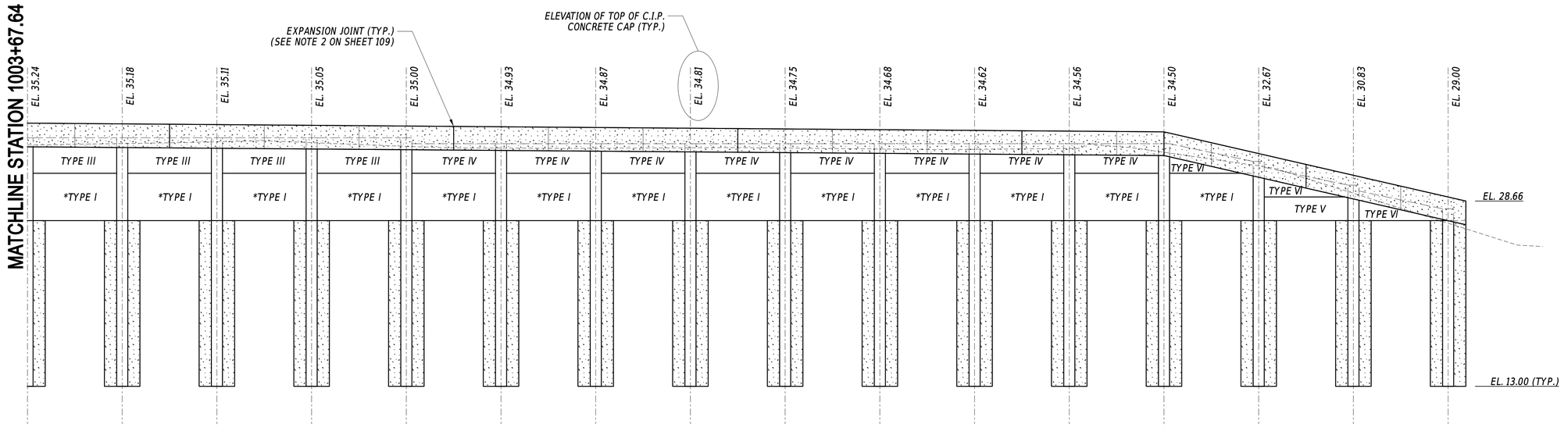


FILL FACE ELEVATION

3/16" = 1'-0"

*AESTHETIC FINISH TO BE ADDED AT ROAD FACE. REFER TO PRECAST CONCRETE PANELS DETAILS SHEET NOTE 10 FOR MORE INFORMATION.

NEOPRENE PADS. REFER TO THE PRECAST CONCRETE PANELS DETAILS SHEET FOR NEOPRENE PAD SCHEDULE.

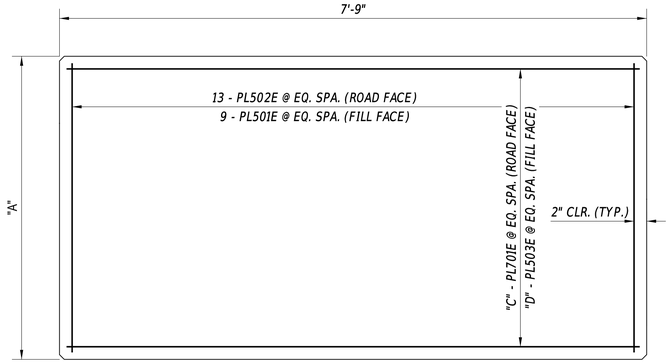


FILL FACE ELEVATION

3/16" = 1'-0"

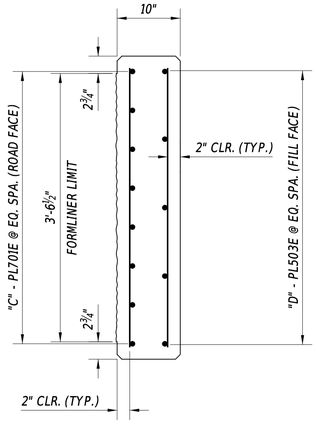
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	0 5 10 15 FEET		T201612501	DESIGNED BY: M. Toussaint			BR
			COUNTY	CHECKED BY: S. Weaver			SHEET NO.
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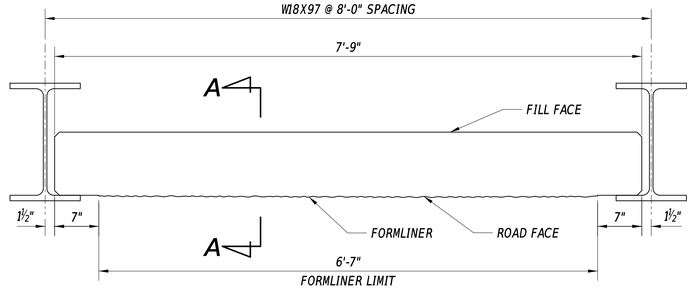
TYPE I-V ELEVATION

1" = 1'-0"



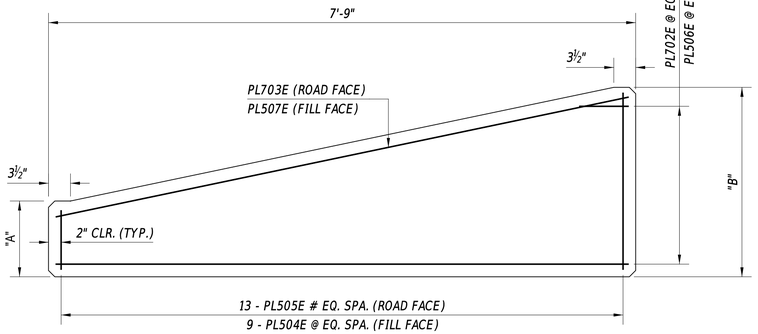
TYPE I-V SECTION A-A

1" = 1'-0"



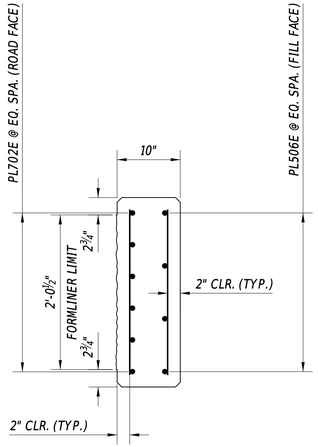
PLAN

1" = 1'-0"



TYPE VI ELEVATION

1" = 1'-0"



TYPE VI SECTION A-A

1" = 1'-0"

PRECAST PLANK DATA

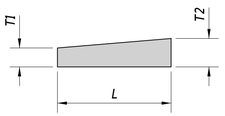
PLANK TYPE	"A"	"B"	"C"	"D"	# PLANKS REQUIRED
TYPE I	4'-0"	-	9 BARS	5 BARS	31
TYPE II	3'-6"	-	8 BARS	5 BARS	6
TYPE III	3'-0"	-	7 BARS	4 BARS	7
TYPE IV	2'-6"	-	6 BARS	4 BARS	8
TYPE V	2'-0"	-	5 BARS	3 BARS	2
TYPE VI	1'-0"	2'-6"	SEE REIN. BAR LIST		6

NEOPRENE PAD SCHEDULE

LOCATION	MARK	NEOPRENE HARDNESS (SHORE A)	TOTAL NO. REQD.	'T1'	'T2'	'L'	'W'
TYPE I PLANK	#1	60± 5 DURO	23	½IN.	¾IN.	3 IN.	44 IN.
TYPE II PLANK	#2	60± 5 DURO	2	½IN.	¾IN.	3 IN.	38 IN.
TYPE III PLANK	#3	60± 5 DURO	1	½IN.	¾IN.	3 IN.	32 IN.
TYPE V PLANK	#4	60± 5 DURO	2	½IN.	¾IN.	3 IN.	20 IN.
TYPE VI PLANK	#5	60± 5 DURO	2	½IN.	¾IN.	3 IN.	26 IN.
TYPE VI PLANK	#6	60± 5 DURO	2	½IN.	¾IN.	3 IN.	8 IN.

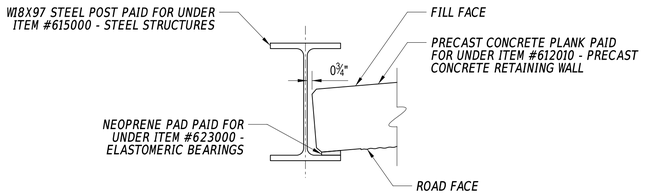
REINFORCING BAR LIST

MARK	SIZE	NUMBER	TYPE	LENGTH
PL501E	5	486	STR	SEE NOTE 2
PL502E	5	702	STR	SEE NOTE 2
PL503E	5	251	STR	7'-5"
PL504E	5	6X9	STR	0'-8"
				TO
				2'-2"
PL505E	5	6X13	STR	0'-8"
				TO
				2'-2"
PL506E	5	6X4	STR	0'-6¼"
				TO
				7'-5"
PL507E	5	6	STR	7'-6"
PL701E	7	434	STR	7'-5"
PL702E	7	6X6	STR	0'-6¼"
				TO
				7'-5"
PL703E	7	6	STR	7'-6"



NEOPRENE PAD PLAN

N.T.S.



BEARING PLAN

1" = 1'-0"

NOTES:

1. CHAMFER ALL EXPOSED EDGES ¾"x¾", UNLESS OTHERWISE NOTED.
2. LENGTH OF PL501E AND PL502E BARS WILL VARY BASED ON "A" DIMENSION OF PANEL, WHILE MAINTAINING A 2" COVER FROM ANY CONCRETE FACE.
3. 32 TOTAL NEOPRENE PADS REQUIRED (SEE NEOPRENE PAD SCHEDULE).
4. ALL NEOPRENE PADS WILL BE 60 MIN. DUROMETER IN ACCORDANCE WITH REQUIREMENTS SPECIFIED IN SECTION 623 OF STANDARD SPECIFICATIONS.
5. NEOPRENE PADS WILL BE ATTACHED TO THE BEARING SURFACE OF THE W18X97 FLANGE AND PRECAST CONCRETE PLANK, WITH AN APPROVED EPOXY ADHESIVE IN ACCORDANCE WITH SECTION 623.3.D.4 OF THE STANDARD SPECIFICATIONS IN SUCH A WAY THAT VISIBLE CONCRETE SURFACES WILL NOT BE STAINED. ENSURE THE EPOXY ADHESIVE HAS SET TO THE FLANGE OF THE POST PRIOR TO PLACEMENT OF THE PLANKS. EDGE OF NEOPRENE PAD WILL BE SET LEVEL WITH EDGE OF FLANGE AS SHOWN IN BEARING PLAN DETAIL.
6. NEOPRENE PADS WILL ONLY BE PLACED WITHIN CURVED PORTION OF THE WALL. BEARING MARK "#5" CORRESPONDS TO 2'-6" SIDE OF TYPE VI PLANK. BEARING MARK "#6" CORRESPONDS TO 1'-0" SIDE OF TYPE VI PLANK. REFER TO RETAINING WALL ELEVATION DETAIL AND NEOPRENE PAD SCHEDULE FOR BEARING LOCATIONS.
7. PRECAST PLANKS PAID FOR UNDER ITEM #612010 - PRECAST CONCRETE RETAINING WALL.
8. PAYMENT FOR PRECAST CONCRETE PLANK REINFORCEMENT WILL BE INCIDENTAL TO ITEM #612010 - PRECAST CONCRETE RETAINING WALL.
9. PAYMENT FOR FABRICATION AND INSTALLATION OF NEOPRENE PADS WILL BE INCIDENTAL TO ITEM #623000 - ELASTOMERIC BEARINGS.
10. CREATIVE FORM LINERS: WILD GRASSES - (HTTPS://WWW.CREATIVEFORMLINERS.COM/?S=N004) FORMLINER DESIGN WILL BE USED TO PROVIDE AN AESTHETIC FINISH, IN ACCORDANCE WITH SECTION 604.3.3 OF THE STANDARD SPECIFICATIONS, TO THE ROAD FACE OF TYPE I PRECAST CONCRETE PLANKS AS NOTED ON THE RETAINING WALL ELEVATION SHEET. PAYMENT FOR FORMLINER WILL BE INCIDENTAL TO ITEM #612010 - PRECAST CONCRETE RETAINING WALL. ALTERNATIVE SIMILAR PRODUCTS WILL BE CONSIDERED BUT MUST BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
11. PAINT ENTIRE SURFACE OF ALL W18X97 STEEL POSTS WITH A PAINT SYSTEM FROM NEPCOAT QUALIFIED PRODUCTS LIST A. THE PAINT COLOR WILL BE STANDARD COLOR NO. 10059 (BROWN), FEDERAL STANDARD NO. 595C. PAINTING FOR STEEL WILL BE INCIDENTAL TO ITEM #615000 - STEEL STRUCTURES.
12. APPLY A SILANE SEALER TO ENTIRE SURFACE OF ALL PRECAST PLANKS IN ACCORDANCE WITH SECTION 612.3.3.B.11 OF THE STANDARD SPECIFICATIONS. PAYMENT FOR SILANE SILEAR WILL BE INCIDENTAL TO ITEM #612010 - PRECAST CONCRETE RETAINING WALL.

ADDENDA / REVISIONS

SCALE AS NOTED

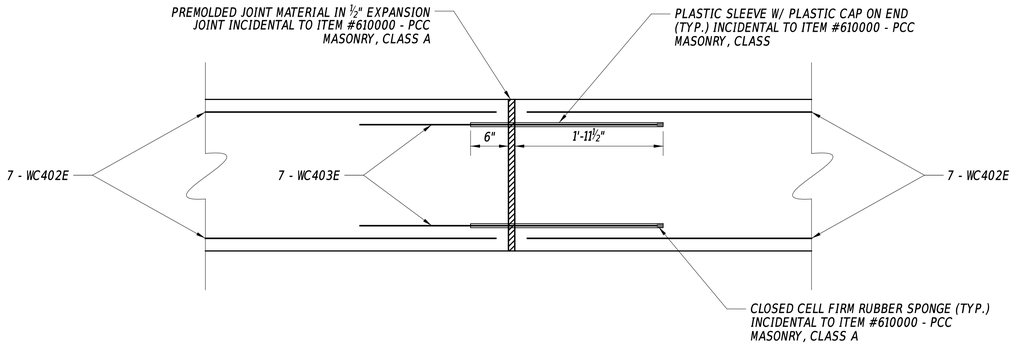
SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
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COUNTY	CHECKED BY:	S. Weaver
SUSSEX		

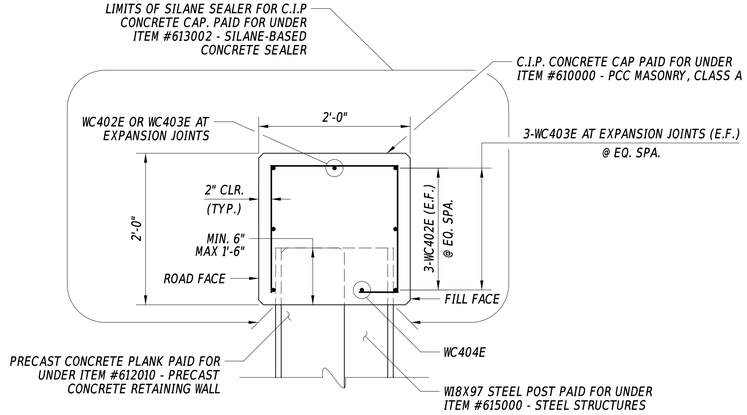
PRECAST CONCRETE PANELS DETAILS

SECTION	
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119	

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EXPANSION JOINT DETAIL



TYPICAL SECTION

NOTES:

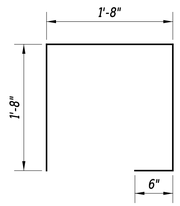
1. WC404E UTILIZES SAME DETAIL AS WC403E THROUGH JOINT.
2. CONTROL JOINTS WILL BE SPACED EVERY 8 FEET. EVERY THIRD CONTROL JOINT WLL BE AN EXPANSION JOINT (SPACED EVERTY 24 FEET).
3. PRECAST CONCRETE PLANKS AND STEEL POSTS SHALL HAVE A MINIMUM 6" AND A MAXIMUM 1'-6" EMBEDMENT INTO THE C.I.P. CONCRETE CAP. IF WC401E IS BATTERED PERPENDICULAR TO CONCRETE CAP, BAR WILL BE ANGLED AND FIELD MODIFIED TO MAINTAIN UNIFORM CLEARANCE.
4. CONCRETE FOR C.I.P. CONCRETE CAP PAID FOR UNDER ITEM #610000 - PCC MASONRY, CLASS A.
5. APPLY A SILANE-BASED CONCRETE SEALER ON ALL EXPOSED SURFACES OF THE C.I.P. CONCRETE CAP WITHIN THE LIMITS DEFINED ON THE CAST-IN-PLACE CONCRETE CAP DETAILS SHEET.
6. END SECTIONS OF THE CONCRETE CAP WILL OVERHANG A MAXIMUM OF 1'-0", MEASURED FROM EDGE OF FLANGE OF FIRST AND LAST STEEL W-SECTION. IMPACTED REBAR WILL BE FIELD CUT. REPAIR EPOXY COATING ON REBAR AT FIELD CUT SECTIONS. PAYMENT FOR FIELD CUTTING WILL BE INCIDENTAL TO ITEM #610000 - PCC MASONRY, CLASS A.
7. PAYMENT FOR C.I.P. CONCRETE CAP REINFORCEMENT WILL BE INCIDENTAL TO ITEM #610000 - PCC MASONRY, CLASS A.

REINFORCING BAR LIST

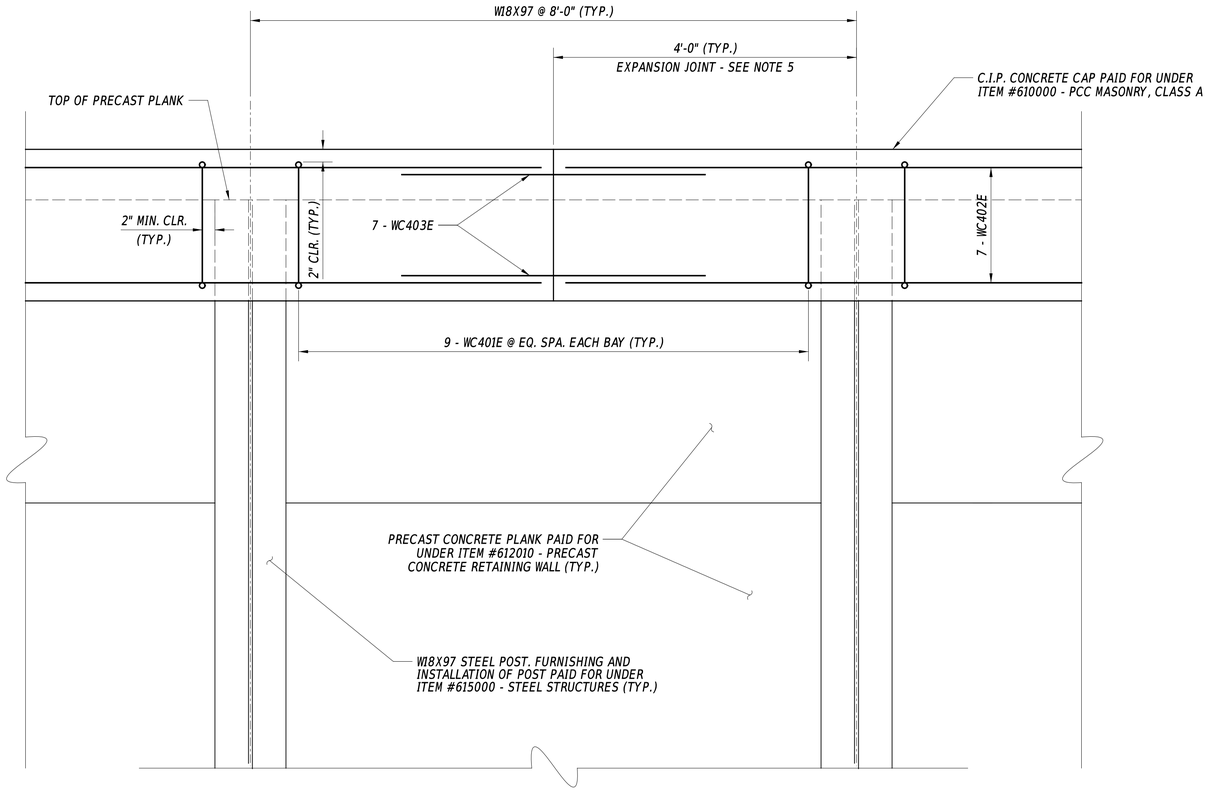
MARK	SIZE	NUMBER	TYPE	LENGTH
WC401E	4	250	-	3'-10"
WC402E	4	77	STR	23'-8"
WC403E	4	70	STR	4'-0"
WC404E	4	31	STR	7'-8"

BENDING DIAGRAMS

ALL DIMENSIONS ARE FROM OUT TO OUT.



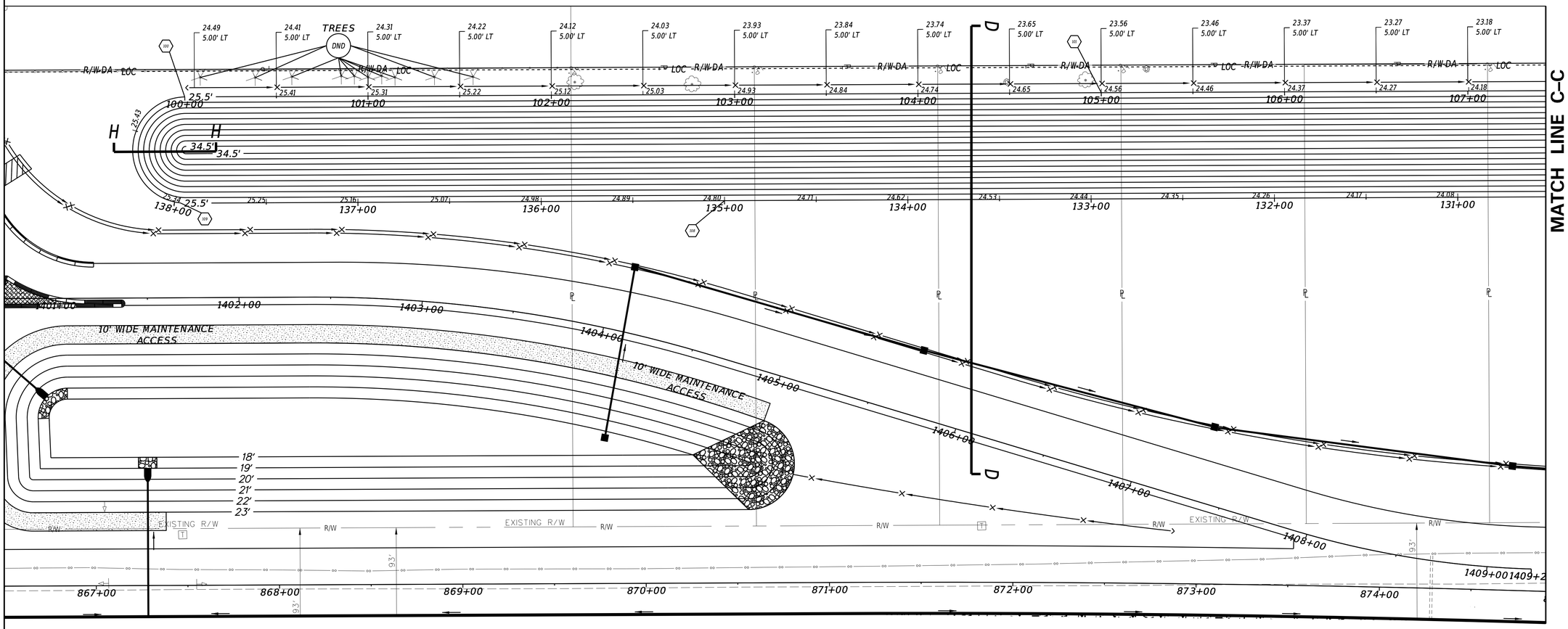
WC401E



ELEVATION

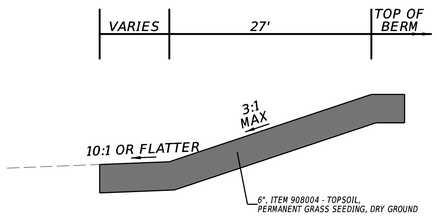
ADDENDA / REVISIONS		SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO.	X	CAST-IN-PLACE CONCRETE CAP DETAILS	SECTION
		0 1 2 3		T201612501	DESIGNED BY: M. Toussaint			BR
		FEET		COUNTY	CHECKED BY: S. Weaver			SHEET NO.
				SUSSEX				120

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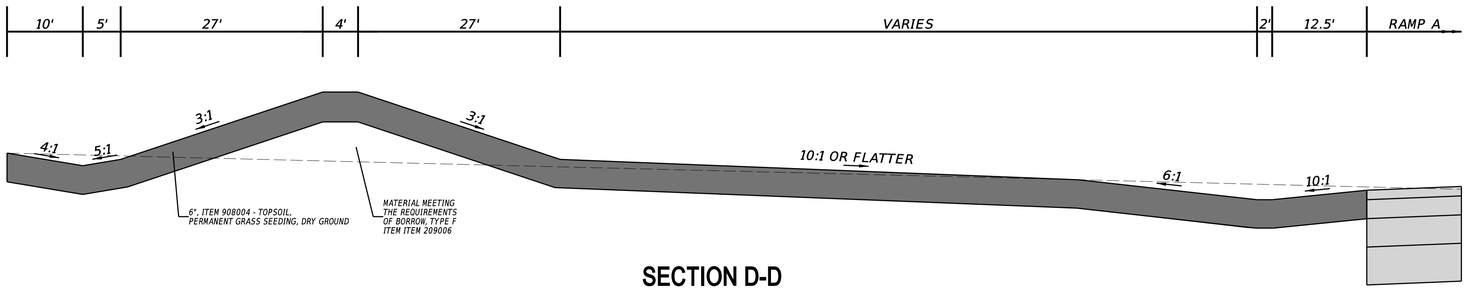
MATCH LINE C–C

BERM DETAIL



SECTION G-G

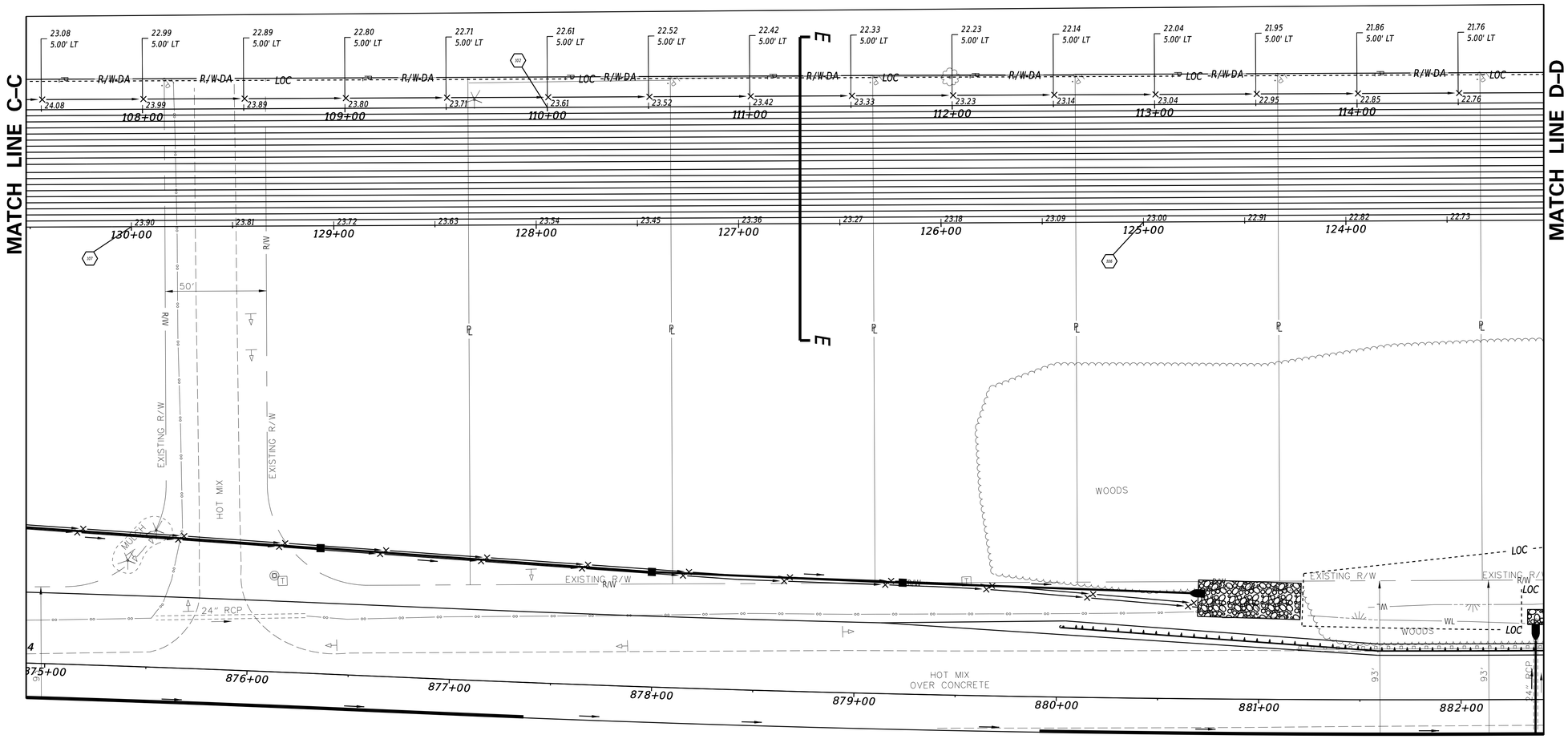
BERM EMBANKMENT BASELINE			
POINT NO.	STATION	NORTHING	EASTING
100	100+00.00	275275.5824	718969.8426
101	105+00.00	275567.4599	718563.8777
102	110+00.00	275859.3375	718157.9128
103	115+00.00	276151.2151	717751.9480
104	118+48.84	276354.8539	717468.7122
R = 29'			
105	119+43.79	276404.1862	717499.4540
106	125+00.00	276078.1811	717952.8858
107	130+00.00	275786.3035	718358.8506
108	135+00.00	275494.4259	718764.8155
109	137+96.88	275320.9843	719005.7600
R = 29'			



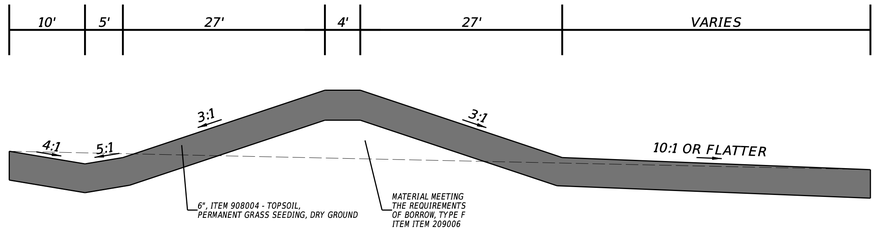
SECTION D-D

ADDENDA / REVISIONS	SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO. X	BERM DETAIL	SECTION
	0 30 60 90 FEET		T201612501	DESIGNED BY: N. RIGOLINO		PD
			COUNTY	CHECKED BY: B. BEHRENS		SHEET NO.
			SUSSEX			121

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BERM DETAIL

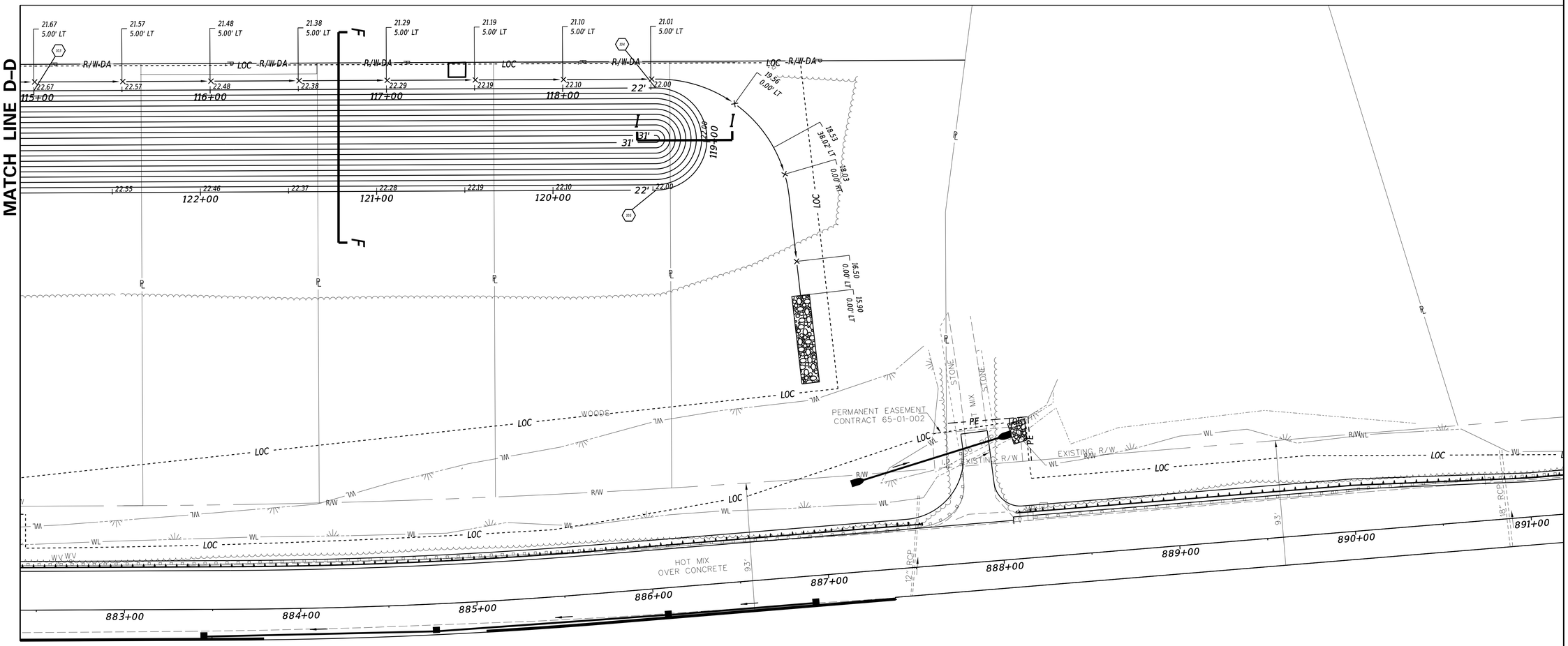


SECTION E-E

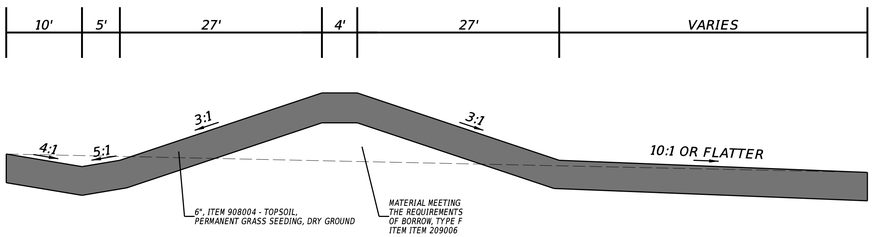
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ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	BERM DETAIL	SECTION PD
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SHEET NO. 122
					CHECKED BY: B. BEHRENS		

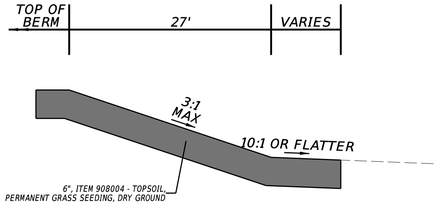
MATCH LINE D–D



BERM DETAIL



SECTION F-F



SECTION G-G

ADDENDA / REVISIONS	SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO. X	BERM DETAIL	SECTION
	0 30 60 90 FEET		T201612501	DESIGNED BY: N. RIGOLINO		PD
			COUNTY	CHECKED BY: B. BEHRENS		SHEET NO.
			SUSSEX			123

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ENVIRONMENTAL COMPLIANCE NOTES

1. GENERAL NOTES:

   A. THE PURPOSE OF THIS SHEET IS TO IDENTIFY THOSE ITEMS ASSOCIATED WITH ENVIRONMENTAL COMPLIANCE. IMPACT CALCULATIONS ARE FOR THE AGENCY PERMIT REPORTING PURPOSES ONLY AND ARE NOT TO BE USED FOR BIDDING PURPOSES.

   B. IF A DEPARTURE FROM THE APPROVED PLANS (WHICH WOULD AFFECT ANY NATURAL AND/OR CULTURAL RESOURCES) IS NECESSARY, CONTACT THE ENVIRONMENTAL STUDIES SECTION (302-760-2259 OR DOT_ENVIRONMENTALSTUDIES@DELAWARE.GOV) TO ALLOW FOR COORDINATION WITH THE APPROPRIATE RESOURCE AGENCIES AND APPROVAL.

   C. USE OF THIS SHEET DOES NOT ALLEVIATE THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH ALL CONDITIONS SET FORTH IN THE ENVIRONMENTAL STATEMENT AND PERMITS.

2. NATURAL RESOURCE ISSUES:

   A. PERMIT REQUIREMENTS/APPROVALS *:
   U.S. ARMY CORPS OF ENGINEERS (COE): (NWP 14)**
   DNREC - WETLANDS & SUBAQUEOUS LANDS (WLSL): WETLANDS AND SUBAQUEOUS LANDS PERMIT**
   DNREC - WATER QUALITY (WQC) & COASTAL ZONE CONSISTENCY (CZM): ISSUED NWP 23 (NOT LOCATED IN CRW)

   * THE PERMITS/APPROVALS LISTED ARE THOSE REQUIRED FOR THIS PROJECT. THE ENVIRONMENTAL STUDIES SECTION IS RESPONSIBLE FOR COORDINATING AND/OR OBTAINING THESE APPROVALS.
   ** THE CONTRACTOR MUST ENSURE THAT THESE PERMITS/APPROVALS ARE IN THEIR POSSESSION PRIOR TO BEGINNING CONSTRUCTION IN THE PERMITTED AREA(S) AND ENSURE THEY ARE DISPLAYED ON-SITE DURING THE ENTIRE CONSTRUCTION PERIOD.

   B. CONSTRUCTION RESTRICTIONS:
   FISHERIES - NONE
   ENDANGERED SPECIES - NONE
   MIGRATORY BIRDS - NONE

3. CULTURAL RESOURCE ISSUES:

   A. THE PROPOSED IMPROVEMENTS ARE LOCATED WITHIN IN THE BOUNDARIES OF THE JUNCTION AND BREAKWATER HISTORIC DISTRICT, WHICH IS ELIGIBLE FOR THE NATIONAL REGISTER OF HISTORIC PLACES, AND ARE ADJACENT TO THE SUPPLEE-WILLS-JONES COLDSTORAGE BUILDING, A CONTRIBUTING PROPERTY TO THIS DISTRICT. DELDOT ENVIRONMENTAL STEWARDSHIP MUST BE NOTIFIED AT 302-760-2282 IF THERE ARE ANY PROPOSED CHANGES TO THE PROJECT METHODS, FOOTPRINT, MATERIALS, OR DESIGNS TO ALLOW THE DEPARTMENT TO COORDINATE WITH THE APPROPIATE RESOURCE AGENCIES FOR APPROVAL.
   IF UNFORESEEN DAMAGE OCCURS TO A CONTRIBUTING PROPERTY WITHIN THE DISTRICT (NAMELY THE SUPPLEE-WILLS-JONES COLD STORAGE BUILDING) AS A DIRECT RESULT OF THE UNDERTAKING, DELDOT QUALIFIED STAFF MUST BE CONTACTED IMMEDIATELY TO ENSURE THAT THE DE SHPO, FHWA, AND/OR OTHERS ARE CONSULTED ON WAYS TO REPAIR THE DAMAGE CONSISTENT WITH THE SECRETARY OF THE INTERIOR'S STANDARDS.

   B. ANY STAGING AND STOCKPILE AREA(S) OUTSIDE THE PROJECT'S LOC THAT INDIVIDUALLY OR CUMULATIVELY ARE LARGER THAN 10,000 SQUARE FEET MUST BE APPROVED BY DELDOT'S ARCHAEOLOGIST. SUBMIT ALL STAGING AND STOCKPILE AREAS OUTSIDE THE PROJECT'S LOC FOR APPROVAL. WITHIN 30 DAYS, DELDOT WILL:
   a. APPROVE THE USE OF THE PROPOSED STAGING AND STOCKPILE AREA(S),
   b. REJECT THE REQUEST, OR
   c. PERFORM AN ARCHAEOLOGICAL SURVEY TO DETERMINE WHETHER TO APPROVE OR REJECT THE REQUEST, WHICH MAY TAKE UP TO 3 MONTHS.

4. STREAM RESTORATION AND RIPRAP TREATMENT:

   A. FOLLOW THE SPECIAL PROVISION FOR ITEM 707500 - CHANNEL BED FILL IN REGARDS TO THE SALVAGING OF ON-SITE NATURAL STREAM BOTTOM MATERIAL OR THE FURNISHING OF OFFSITE MATERIAL. IF SUFFICIENT SOURCES FOR CHANNEL BED FILL DO NOT EXIST ON-SITE, ANY NEW MATERIAL MUST CONFORM TO THE REQUIREMENTS OF ITEM 707500 - CHANNEL BED FILL. RECESS ALL RIPRAP IN THE CHANNEL BOTTOM (I.E. BELOW THE WATER LINE) ONE FOOT BELOW STREAM BED ELEVATION AND CHOKE WITH BORROW TYPE 'B' SO THAT ALL OF THE VOIDS IN THE RIPRAP ARE FILLED WITH SPECIFIED MATERIAL. PAYMENT UNDER ITEM 209002 - BORROW, TYPE B. COVER THE RIPRAP WITH A MINIMUM OF 12" CHANNEL BED FILL. MATCH THE FINAL CHANNEL ELEVATIONS WITH EXISTING ELEVATIONS AT THE UPSTREAM AND DOWNSTREAM PROJECT LIMITS. THROUGH THE STRUCTURE, ELEVATIONS WILL BE AS NOTED ON THE PLANS. PAYMENT UNDER ITEM 707500 - CHANNEL BED FILL.

   B. RESTORE OTHER AREAS OF THE CHANNEL BOTTOM AFFECTED BY CONSTRUCTION (INCLUDING, BUT NOT LIMITED TO, THE LOCATION OF SUMP PITS, STABILIZED OUTFALLS, TEMPORARY PIPES AND/OR SANDBAG DIKES AND DIVERSIONS) TO EXISTING CONDITIONS. FILL ANY CAVITIES OR SCOUR HOLES RESULTING FROM CONSTRUCTION ACTIVITIES WITH CHANNEL BED FILL. PAYMENT UNDER ITEM 707500 - CHANNEL BED FILL.

   C. WHEN ALL EROSION AND SEDIMENT CONTROL MEASURES ARE REMOVED AND THE STREAM RETURNS TO ITS NATURAL FLOW CONDITIONS, THE FLOW MUST REMAIN ABOVE GROUND AND ABOVE THE RIPRAP (I.E. THE FLOW CANNOT BE "LOST" IN THE RIPRAP OR BENEATH THE STRUCTURE). IF THIS IS NOT ACHIEVED, THE CONTRACTOR WILL BE REQUIRED TO TAKE CORRECTIVE ACTION AT THE CONTRACTOR'S EXPENSE.

   D. CHOKE ALL RIPRAP ON THE STREAM BANK, OUTSIDE THE CHANNEL BED, WITH DELAWARE #57 STONE. PLACE JUST ENOUGH CHOKE MATERIAL TO PREVENT THE LOSS OF TOPSOIL THROUGH THE RIPRAP, AND THEN FINISH FILLING THE VOIDS WITH TOPSOIL SO THAT THE RIPRAP PEAKS ARE BARELY VISIBLE. PLACE AN ADDITIONAL 6-INCH TOPSOIL LAYER ON TOP OF THE RIPRAP. SLOPE SEEDING WILL BE DONE WITH ITEM 908019 - STREAMBANK SEED MIX, SEEDING. FOLLOWING THE SEEDING OPERATION, INSTALL ITEM 908020 - EROSION CONTROL BLANKET (ECB) MULCH, OR OTHER BLANKET AS SHOWN ON THE PLANS. ECB AT TOE OF SLOPE CAN BE EITHER TRENCHED IN OR STAPLED AT 6" ON CENTER. COMPLETE ALL WORK, STARTING WITH THE INITIAL CHOKING WITH TOPSOIL THROUGH THE SEEDING AND MULCHING PRIOR TO ANY RAIN EVENT. DELAWARE #57 STONE IS INCIDENTAL TO THE RIPRAP ITEM. ALL OTHER ITEMS WILL BE PAID FOR UNDER THEIR RESPECTIVE ITEMS.

   E. THE TOPSOIL/SEED/MULCH CAN BE PLACED BEFORE OR AFTER THE REMOVAL OF THE STREAM DIVERSION. IF THE PLACEMENT OCCURS AFTER STREAM DIVERSION REMOVAL, USE A TURBIDITY CURTAIN TO MINIMIZE IN-STREAM SEDIMENTATION. PAYMENT WILL BE INCIDENTAL TO ITEM 909005 - STREAM DIVERSION.

5. PROTECTION OF RESOURCES:

   A. KEEP CLEARING IN WETLAND AREAS TO A MINIMUM ABSOLUTELY NECESSARY FOR CONSTRUCTION ACCESS. SUPPORT ALL EQUIPMENT TRAVERSING WETLANDS AND SUBAQUEOUS LAND ON MATS. PAYMENT FOR MATS WILL BE MADE UNDER ITEM 621500 - TEMPORARY TIMBER MAT. IN WETLAND AREAS THAT ARE CLEARED, NO GRUBBING EXCEPT WHERE NECESSARY TO CONSTRUCT PROJECT COMPONENTS SUCH AS FOUNDATIONS AND RIPRAP PROTECTION IS PERMITTED. CUT VEGETATION FLUSH WITH THE GROUND (I.E. NO DISTURBANCE OF THE ROOT MAT). RESTORE TEMPORARILY DISTURBED WETLAND AREAS TO GRADE AND SEED WITH ITEM 908017 - TEMPORARY GRASS SEEDING (ANNUAL RYEGRASS).

   B. USE SILT FENCE OR CONSTRUCTION SAFETY FENCE ALONG THE LIMITS OF CONSTRUCTION IN ALL AREAS WHERE WATER WETLANDS ARE BEING IMPACTED (AS SHOWN ON ENVIRONMENTAL COMPLIANCE SHEETS), AND ALSO IN ANY AREA WHERE WATER/WETLANDS EXIST WITHIN 20 FEET OF THE LIMIT OF CONSTRUCTION (AS SHOWN ON CONSTRUCTION PLAN SHEETS). ANY CONTRACTOR ACCESS BEYOND THE LIMIT OF CONSTRUCTION IS STRICTLY PROHIBITED.

   C. USE SANDBAGS OR COMPOST FILTER LOG (CFL) TO SECURE SILT FENCE AT AREAS ADJACENT TO WOODED UPLANDS/ ALL WETLANDS IN LIEU OF TRENCHING UNLESS PROPER EROSION AND SEDIMENT CONTROL CANNOT BE MAINTAINED. REMOVE SANDBAGS AND CFLS (AND CONTENTS) IN THEIR ENTIRETY WHEN NO LONGER NEEDED. SANDBAGS/CFLS USED TO SECURE THE SILT FENCE IS INCIDENTAL TO ITEM 905001 - SILT FENCE. THE ENVIRONMENTAL STUDIES SECTION (302-760-2259 OR DOT_ENVIRONMENTALSTUDIES@DELAWARE.GOV) CAN PROVIDE FURTHER GUIDANCE REGARDING THIS METHOD OF INSTALLATION.

   D. CLEARLY MARK ALL TREES TO BE REMOVED WITH PAINT PRIOR TO THE EROSION AND SEDIMENT CONTROL MEETING.

6. PLANTING GUIDANCE, WORK DONE BY DELDOT:

   PLANTING GUIDANCE (INFORMATION ONLY, WORK TO BE DONE BY OTHERS. THERE WILL BE NO PAYMENT FOR PLANTING ON THIS CONTRACT.) UPON FINAL ACCEPTANCE OF THE CONTRACT, NOTIFY THE ENVIRONMENTAL STUDIES SECTION (302-760-2259 OR DOT_ENVIRONMENTALSTUDIES@DELAWARE.GOV) AND ROADSIDE ENVIRONMENTAL (DARIN CALLAWAY, 302-760-2186) OF COMPLETION. PLANT APPROPRIATE TREES AND/OR SHRUBS IN A NATURALIZED PATTERN (MINIMUM 8', MAXIMUM 12' CENTERS) IN TEMPORARILY DISTURBED WOODED WETLAND AREAS WITHIN THE LOC. FINAL PLANT COUNTS WILL BE BASED ON FIELD CONDITIONS AND DETERMINED BY THE ROADSIDE ENVIRONMENTAL ADMINISTRATOR OR APPOINTED DESIGNEE. SPECIFIC PLANT SELECTION IS ALSO AT THEIR DISCRETION BUT MUST BE A NATIVE SPECIES APPROVED BY THE DELAWARE DEPARTMENT OF NATURAL RESOURCES.

PERMANENT OPEN WATER IMPACT AREA SCHEDULE

ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION	LOSS VS. IMPACT	LOSS AREA (AC)
3-O1	FILL TYPE F	127.09	0.0029	14.12	COE/DNREC	LOSS	14.12
TOTAL PERMANENT OPEN WATER IMPACTS		127.09	0.0029	14.12	COE/DNREC	LOSS	14.12

TEMPORARY OPEN WATER IMPACT AREA SCHEDULE

ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION	TYPE OF IMPACT
2-OT1	54" RCP	130.28	0.0030	15.48	COE/DNREC	LOSS
2-OT2	54" RCP	289.01	0.0066	36.70	COE/DNREC	LOSS
3-OT1	42" RCP	604.11	0.0139	78.31	COE/DNREC	LOSS
TOTAL TEMPORARY OPEN WATER IMPACTS		1,023.40	0.0235	130.49	COE/DNREC	LOSS

PERMANENT WETLAND IMPACT AREA SCHEDULE

ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION	LOSS VS. IMPACT	LOSS AREA (AC)
2-W1	RIPRAP	569.64	0.0131	N/A	COE	LOSS	0.0131
2-W2	RIPRAP	975.56	0.0223	N/A	COE	LOSS	0.0223
2-W3	48" RCP/RIPRAP	905.21	0.0207	N/A	COE	LOSS	0.0207
3-W1	RIPRAP/FILL TYPE F	135.65	0.0031	N/A	COE	LOSS	0.0031
3-W2	42" RCP/FILL TYPE F	1,121.49	0.0257	N/A	COE	LOSS	0.0257
3-W3	RIPRAP	54.02	0.0012	N/A	COE	LOSS	0.0012
TOTAL PERMANENT WETLAND IMPACT AREAS		3,761.57	0.0861	N/A	COE	LOSS	0.0861

TEMPORARY WETLAND IMPACT AREA SCHEDULE

ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION	TYPE OF IMPACT
2-WT1	WORK AREA / E&S CONTROLS	222.21	0.0051	N/A	COE	LOSS
2-WT2	WORK AREA / E&S CONTROLS	645.76	0.0148	N/A	COE	LOSS
3-WT1	42" RCP PLACEMENT	1,163.95	0.0267	N/A	COE	LOSS
TOTAL TEMPORARY WETLAND IMPACT AREAS		2,031.92	0.0466	N/A	COE	LOSS

WETLANDS DELINEATED BY ERI CONSULTING ON 05-11-2018 IN ACCORDANCE WITH THE US ARMY CORPS OF ENGINEERS "CORPS OF ENGINEERS WETLAND DELINEATION MANUAL (1987)".

ORIGINAL SHEET PREPARED BY NICHOLAS RIGOLINO ON 06-02-2020. SHEET LAST UPDATED ON 05-21-2024.

ADDENDA / REVISIONS		NOT TO SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	ENVIRONMENTAL COMPLIANCE PLAN	SECTION PD
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SHEET NO. 124
					CHECKED BY: B. BEHRENS		

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TEMPORARY OPEN WATER IMPACT AREA SCHEDULE

ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION	TYPE OF IMPACT
OT1	54" RCP	130.28	0.0030	15.48	COE/DNREC	LOSS
OT2	54" RCP	289.01	0.0066	36.70	COE/DNREC	LOSS
TOTAL TEMPORARY OPEN WATER IMPACTS		419.29	0.0096	52.18	COE/DNREC	LOSS

PERMANENT WETLAND IMPACT AREA SCHEDULE

ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION	LOSS VS. IMPACT	LOSS AREA (AC)
W1	RIPRAP	569.64	0.0131	N/A	COE	LOSS	0.0131
W2	RIPRAP	975.56	0.0223	N/A	COE	LOSS	0.0223
W3	48" RCP/RIPRAP	905.21	0.0207	N/A	COE	LOSS	0.0207
TOTAL PERMANENT WETLAND IMPACT AREAS		2,450.41	0.0561	N/A	COE	LOSS	0.0561

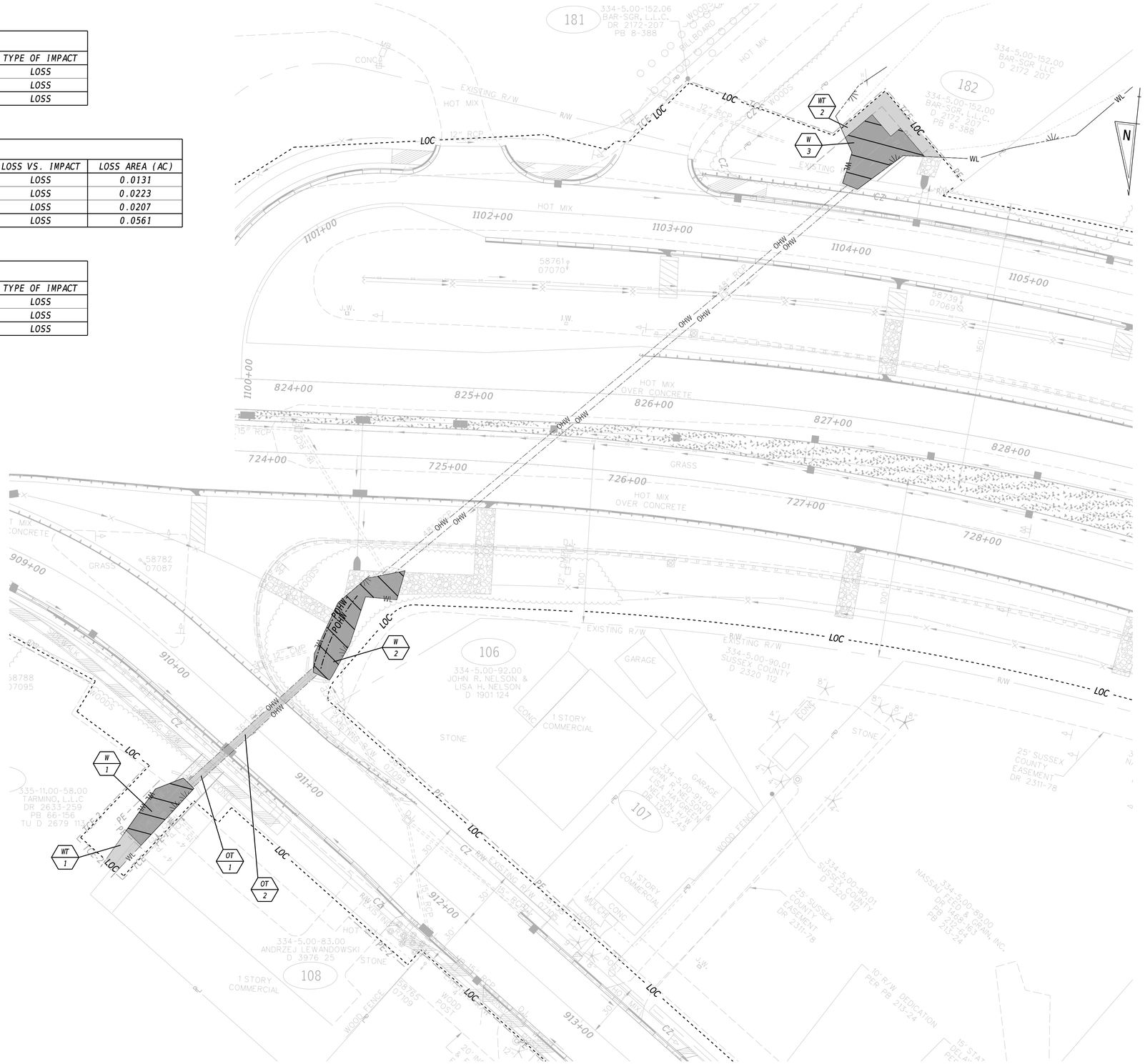
TEMPORARY WETLAND IMPACT AREA SCHEDULE

ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION	TYPE OF IMPACT
WT1	WORK AREA / E&S CONTROLS	222.21	0.0051	N/A	COE	LOSS
WT2	WORK AREA / E&S CONTROLS	645.76	0.0148	N/A	COE	LOSS
TOTAL TEMPORARY WETLAND IMPACT AREAS		867.97	0.0199	N/A	COE	LOSS

LEGEND

- PERMANENT IMPACT AREA
- TEMPORARY IMPACT AREA
- WL — WETLAND BOUNDARY
- OHW — ORDINARY HIGH WATER
- POHW — PROPOSED ORDINARY HIGH WATER
- LOC — LIMIT OF CONSTRUCTION
- XX / XX — IMPACT AREA TYPE ID. (SEE BELOW) / IMPACT AREA ID. AND/OR NUMBER

O = OPEN WATER IMPACT
T = TEMPORARY IMPACT
W = WETLAND IMPACT



ADDENDA / REVISIONS	

SCALE 0 30 60 90 FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

ENVIRONMENTAL COMPLIANCE PLAN

SECTION	
PD	
SHEET NO.	
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PERMANENT OPEN WATER IMPACT AREA SCHEDULE

ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION	LOSS VS. IMPACT	LOSS AREA (AC)
O1	FILL TYPE F	127.09	0.0029	14.12	COE/DNREC	LOSS	14.12
TOTAL PERMANENT OPEN WATER IMPACTS		127.09	0.0029	14.12	COE/DNREC	LOSS	14.12

TEMPORARY OPEN WATER IMPACT AREA SCHEDULE

ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION	TYPE OF IMPACT
OT1	42" RCP	604.11	0.0139	78.31	COE/DNREC	LOSS
TOTAL TEMPORARY OPEN WATER IMPACTS		604.11	0.0139	78.31	COE/DNREC	LOSS

PERMANENT WETLAND IMPACT AREA SCHEDULE

ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION	LOSS VS. IMPACT	LOSS AREA (AC)
W1	RIPRAP/FILL TYPE F	135.65	0.0031	N/A	COE	LOSS	0.0031
W2	42" RCP/FILL TYPE F	1,121.49	0.0257	N/A	COE	LOSS	0.0257
W3	RIPRAP	54.02	0.0012	N/A	COE	LOSS	0.0012
TOTAL PERMANENT WETLAND IMPACT AREAS		1,311.16	0.0300	N/A	COE	LOSS	0.0300

TEMPORARY WETLAND IMPACT AREA SCHEDULE

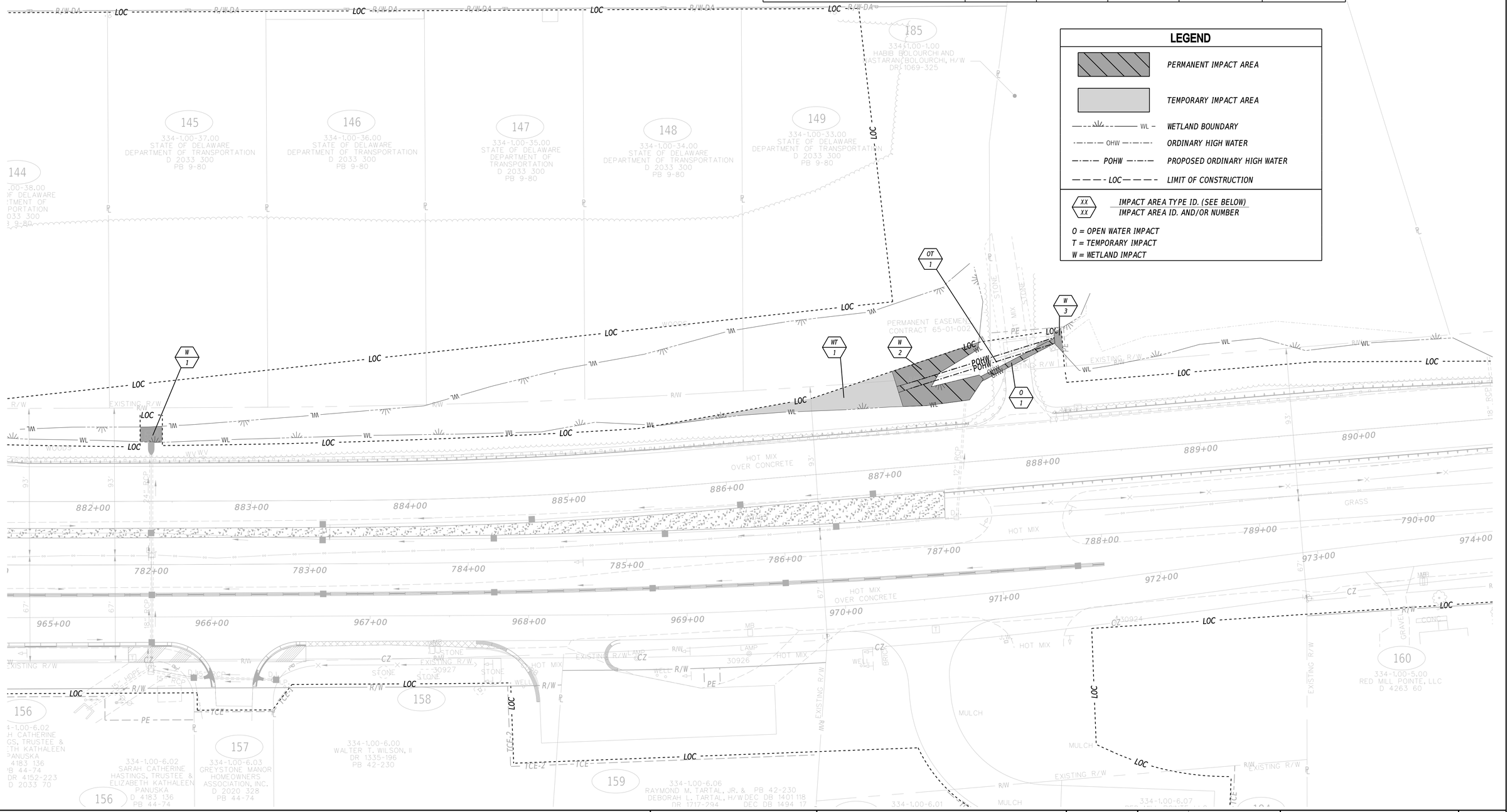
ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION	TYPE OF IMPACT
WT1	42" RCP PLACEMENT	1,163.95	0.0267	N/A	COE	LOSS
TOTAL TEMPORARY WETLAND IMPACT AREAS		1,163.95	0.0267	N/A	COE	LOSS

N

LEGEND

- PERMANENT IMPACT AREA
- TEMPORARY IMPACT AREA
- WL — WETLAND BOUNDARY
- OHW — ORDINARY HIGH WATER
- POHW — PROPOSED ORDINARY HIGH WATER
- LOC — LIMIT OF CONSTRUCTION
- XX / XX — IMPACT AREA TYPE ID. (SEE BELOW) / IMPACT AREA ID. AND/OR NUMBER

O = OPEN WATER IMPACT
T = TEMPORARY IMPACT
W = WETLAND IMPACT



ADDENDA / REVISIONS	

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

ENVIRONMENTAL COMPLIANCE PLAN

SECTION	
PD	
SHEET NO.	
126	

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GENERAL MOT NOTES

1. AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED TRAFFIC CONTROL SUPERVISOR REQUIREMENT FOR THIS PROJECT.

( )	THE CONTRACTOR SHALL NOT BE REQUIRED TO HAVE AN ATSSA SUPERVISOR ASSIGNED TO THIS PROJECT.
(X)	THE CONTRACTOR SHALL HAVE AN ATSSA SUPERVISOR ASSIGNED TO THIS PROJECT AND THAT PERSON'S SOLE RESPONSIBILITY SHALL BE THE MANAGEMENT AND SUPERVISION OF THE PROJECT'S TEMPORARY TRAFFIC CONTROL ACTIVITIES. THIS PERSON SHALL NOT HAVE ANY OTHER ROLE ON THE PROJECT. RESPONSIBILITIES AND REQUIREMENTS OF THE ATSSA SUPERVISOR ARE DEFINED IN SECTION 812 OF THE STANDARD SPECIFICATIONS. PAYMENT FOR ATSSA SUPERVISOR IS INCIDENTAL TO ITEM 801000.

2. THE USE OF MILLINGS AND GRADED AGGREGATE BASE COURSE (GABC) IN THE TRAVEL WAY, TEMPORARY TRAVEL WAY, HIGH VOLUME ENTRANCES AND ACCESS RAMP FOR THE PURPOSE OF PROVIDING A TEMPORARY ROADWAY SURFACE, POTHOLE REPAIR, TAPERED EDGE FOR UTILITIES, BUTT JOINTS, AND LONGITUDINAL DROP-OFFS (MILLING AND PAVING OPERATIONS) IS PROHIBITED UNLESS IT IS OTHERWISE DESIGNATED TO BE USED IN THE CONTRACT PLANS. USE COLD PATCH, BITUMINOUS CONCRETE, BITUMINOUS CONCRETE WEDGE, OR TAPER MILL, AS NOTED IN THE CONCTRACT DOCUMENTS OR APPROVED BY THE ENGINEER. PAYMENT FOR COLD PATCH, BITUMINOUS CONCRETE OR BITUMINOUS CONCRETE WEDGE SHALL BE PAID AS NOTED IN THE CONCTRACT DOCUMENTS. TAPER MILL BITUMINOUS CONCRETE SHALL BE PAID UNDER THE BITUMINOUS CONCRETE MILLING ITEM.

   MILLINGS OR GABC SHALL BE USED AT THE FOLLOWING LOCATIONS WHERE ACCESS TO A BUSINESS, RESIDENCE, OR EDGE DROP OFF NEEDS TO BE MAINTAINED UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE ENGINEER TO USE BITUMINOUS CONCRETE OR COLD PATCH. ALL MILLINGS AND GABC WILL BE ROLLED AND COMPACTED TO HELP PREVENT THE MATERIAL FROM UNRAVELLING:
   a. DRIVEWAYS
   b. ENTRANCES
   c. LOW VOLUME ACCESS RAMPS (IDENTIFIED IN THE CONTRACT DOCUMENTS)
   d. EDGE DROP-OFFS ADJACENT TO LIVE ROADWAY (LANES AND SHOULDER) AND THE PROPOSED ROAD CONSTRUCTION
   e. EDGE OF ROADWAY DROP-OFF

   GRADING AND MAINTAINING BASE COURSE THAT IS BEING USED FOR ROADWAY WEDGE/FILLET BETWEEN TRAVEL LANES AND PAVEMENT BOX, EDGE OF TRAVELWAY, DRIVEWAY OR ENTRANCE ACCESS SHALL BE INCIDENTAL TO ITEM NO. 801000 - MAINTENANCE OF TRAFFIC. THE BASE COURSE MATERIAL SHALL BE PLACED AT NO GREATER THAN THE SLOPE SPECIFIED IN TABLE 6G-1 AND SHALL BE COMPACTED. EXCESS BASE COURSE MATERIAL SHALL BE PUSHED AHEAD AND USED IN THE NEXT SEGMENT AND SHALL BE INCIDENTAL TO THE PARTICULAR BASE COURSE PAY ITEM. NO SEPARATE PAYMENT SHALL BE MADE FOR MILLINGS OR GABC TEMPORARY ROADWAY MATERIAL (TRM) USED TO PROTECT EDGE DROP-OFFS, UNLESS THE MATERIAL IS EVENTUALLY UTILIZED AS PART OF A PERMANENT ROADWAY AT WHICH TIME THE MATERIAL WOULD BE PAID FOR UNDER THE RESPECTIVE CONTRACT MATERIAL ITEM.

   VERTICAL DIFFERENCES SHALL BE CORRECTED IN ACCORDANCE WITH TABLE 6G-1 OF THE DELAWARE MUTCD.

3. ACCEPTABLE MATERIALS FOR TEMPORARY PEDESTRIAN PATHS SHALL INCLUDE CONCRETE, HOT-MIX, COMPACTED MILLINGS OR PLYWOOD WALKWAY STRUCTURE. PLYWOOD WALKWAY STRUCTURES SHALL ALSO INCLUDE DETECTABLE EDGING AND RAILINGS IN ACCORDANCE WITH ADA GUIDELINES AND THE DELAWARE MUTCD. TEMPORARY PEDESTRIAN PATHS SHALL BE INCIDENTAL TO ITEM 801000 UNLESS OTHERWISE SPECIFIED IN THE PLANS. STONE OR GRADED AGGREGATE BASE COURSE SHALL NOT BE USED FOR TEMPORARY PEDESTRIAN PATHS.

4. MAINTENANCE OF TRAFFIC DURING LANE CLOSURES AND LANE SHIFTS SHALL CONFORM TO TYPICAL APPLICATION 10, 11B, AND 33 OF THE DELAWARE MUTCD.

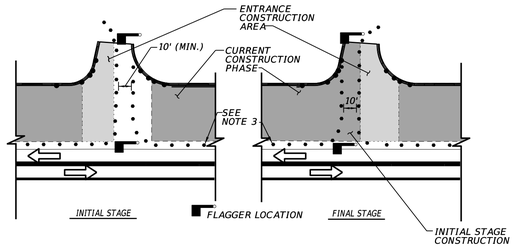
5. PROJECT LIMITS TO BE EXTENDED DURING PHASE 10 TO INCLUDE MILL AND OVERLAY FOR TEMPORARY STRIPING.

6. ALL NECESSARY SIGNS, PAVEMENT MARKINGS AND ROADSIDE APPURTENANCES SHALL BE INSTALLED PRIOR TO THE OPENING/REOPENING OF A ROADWAY OR RAMP. A WALKTHROUGH WITH THE ENGINEER, TRAFFIC SAFETY, TRAFFIC CONSTRUCTION AND OTHER PERSONNEL SHALL OCCUR NO LESS THAN 48 HOURS PRIOR TO THE OPENING/REOPENING OF ANY ROADWAY OR RAMP.

7. PORTABLE CHANGEABLE MESSAGE SIGNS (ITEM 803001) SHALL BE POSTED TEN (10) DAYS PRIOR AND FIVE (5) DAYS AFTER ANY ROADWORK AND EACH CONSTRUCTION PHASE CHANGE (OR AT THE DIRECTION OF DELDOT SAFETY).

8. REMOVE EXISTING RUMBLE STRIPS PRIOR TO SHIFTING TRAFFIC ON SR 1. INSTALL RUMBLE STRIPS AFTER FINAL STRIPING CONFIGURATION IS INSTALLED PER DELAWARE MUTCD.

9. PHASE 1 CAN BE CONCURRENT WITH PHASE 2.
   PHASE 2 CAN BE CONCURRENT WITH PHASE 1.
   PHASE 5 CAN BE CONCURRENT WITH PHASE 8.
   PHASE 8 CAN BE CONCURRENT WITH PHASE 5.
   PHASE 6 CAN BE CONCURRENT WITH PHASE 7.
   PHASE 7 CAN BE CONCURRENT WITH PHASE 6.



TYPICAL DRIVEWAY / ENTRANCE RECONSTRUCTION

NOT TO SCALE

NOTES:
1. THIS DETAIL PROVIDES THE PROPER TRAFFIC CONTROL DEVICES AT DRIVEWAYS AND ENTRANCES THAT ARE TO BE BUILT IN HALF-SECTION UNDER FLAGGER CONTROL. APPLICATION OF THIS DETAIL SHALL BE AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER. TRAFFIC CONTROL DEVICES AT ENTRANCES SHALL BE RESET TO MAIN PHASE AT END OF EACH WORKING DAY.
2. CHANNELIZATION THROUGH ENTRANCE AREA SHALL BE ACCOMPLISHED WITH DRUMS PLACED AT 10' BETWEEN THE EDGES OF THE DRUMS IMMEDIATELY ADJACENT TO THE TRAVELED WAY, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. DRUM LAYOUT SHALL ACCOMMODATE LARGEST DESIGN VEHICLE EXPECTED TO USE ENTRANCE.
3. TRAFFIC CONTROL DEVICES ALONG MAINLINE ROADWAY SHALL BE AS SHOWN ON CONSTRUCTION PHASING PLANS.
4. DEPENDING ON TRAFFIC VOLUME UTILIZING ENTRANCE AND OTHER SITE-SPECIFIC CONDITIONS, THE NUMBER OF FLAGGERS USED DURING ENTRANCE CONSTRUCTION MAY BE REDUCED FROM 2 TO 1, SUBJECT TO APPROVAL OF ENGINEER.

ALLOWABLE CLOSURES TIMES - MINOS CONAWAY ROAD

	12:00 AM	1:00 AM	2:00 AM	3:00 AM	4:00 AM	5:00 AM	6:00 AM	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM	11:00 PM
SUNDAY																								
MONDAY																								
TUESDAY																								
WEDNESDAY																								
THURSDAY																								
FRIDAY																								
SATURDAY																								

TRAVEL OR TURN LANE PERMITTED TO BE CLOSED (ONE LANE ONLY)
NO TRAVEL OR TURN LANE CLOSURES PERMITTED

ALLOWABLE CLOSURES TIMES - JANICE ROAD

	12:00 AM	1:00 AM	2:00 AM	3:00 AM	4:00 AM	5:00 AM	6:00 AM	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM	11:00 PM
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SATURDAY																								

TRAVEL OR TURN LANE PERMITTED TO BE CLOSED (ONE LANE ONLY)
NO TRAVEL OR TURN LANE CLOSURES PERMITTED

ALLOWABLE CLOSURES TIMES - SR 1 SB - October 1 – March 31

	12:00 AM	1:00 AM	2:00 AM	3:00 AM	4:00 AM	5:00 AM	6:00 AM	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM	11:00 PM
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TRAVEL OR TURN LANE PERMITTED TO BE CLOSED (ONE LANE ONLY)
NO TRAVEL OR TURN LANE CLOSURES PERMITTED

ALLOWABLE CLOSURES TIMES - SR 1 SB - April 1 – September 30

	12:00 AM	1:00 AM	2:00 AM	3:00 AM	4:00 AM	5:00 AM	6:00 AM	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM	11:00 PM
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TRAVEL OR TURN LANE PERMITTED TO BE CLOSED (ONE LANE ONLY)
NO TRAVEL OR TURN LANE CLOSURES PERMITTED

ALLOWABLE CLOSURES TIMES - NASSAU ROAD

	12:00 AM	1:00 AM	2:00 AM	3:00 AM	4:00 AM	5:00 AM	6:00 AM	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM	11:00 PM
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TRAVEL OR TURN LANE PERMITTED TO BE CLOSED (ONE LANE ONLY)
NO TRAVEL OR TURN LANE CLOSURES PERMITTED

ALLOWABLE CLOSURES TIMES - NEW ROAD

	12:00 AM	1:00 AM	2:00 AM	3:00 AM	4:00 AM	5:00 AM	6:00 AM	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM	11:00 PM
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TRAVEL OR TURN LANE PERMITTED TO BE CLOSED (ONE LANE ONLY)
NO TRAVEL OR TURN LANE CLOSURES PERMITTED

ALLOWABLE CLOSURES TIMES - SR 1 NB - October 1 – March 31

	12:00 AM	1:00 AM	2:00 AM	3:00 AM	4:00 AM	5:00 AM	6:00 AM	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM	11:00 PM
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TRAVEL OR TURN LANE PERMITTED TO BE CLOSED (ONE LANE ONLY)
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ALLOWABLE CLOSURES TIMES - SR 1 NB - April 1 – September 30

	12:00 AM	1:00 AM	2:00 AM	3:00 AM	4:00 AM	5:00 AM	6:00 AM	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM	11:00 PM
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TRAVEL OR TURN LANE PERMITTED TO BE CLOSED (ONE LANE ONLY)
NO TRAVEL OR TURN LANE CLOSURES PERMITTED

ADDENDA / REVISIONS		NOT TO SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO.	X	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN	SECTION
				T201612501	DESIGNED BY: N. RIGOLINO			PD
				COUNTY	CHECKED BY: B. BEHRENS			SHEET NO.
				SUSSEX				127

22-AUG-2024
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GENERAL E&S NOTES

1. THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) HAS BEEN APPROVED BY DELDOT'S STORMWATER ENGINEER UNDER DELDOT'S DELEGATED AUTHORITY. PLAN APPROVAL IS VALID FOR A FIVE YEAR PERIOD BEGINNING ON THE DATE OF THE STORMWATER ENGINEER'S SIGNATURE. IF THE FINAL ACCEPTANCE OF THE PROJECT IS ANTICIPATED TO EXTEND BEYOND THE FIVE YEARS, NOTIFY THE ENGINEER THREE MONTHS PRIOR TO THE EXPIRATION. ANY DEVIATIONS TO THE SWPPP NEED APPROVAL FROM THE ENGINEER.

Steven Sisson — 8/20/2024

DELDOT STORMWATER ENGINEER — DATE

I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE THESE PLANS MEET THE REQUIREMENTS OF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS.

AMOUNT OF DISTURBED AREA FOR THE PROJECT	71.68 AC
ADDED IMPERVIOUS FOR THE PROJECT	542,322 SF
HUC-10 WATERSHED	BROADKILL RIVER

2.

EROSION POTENTIAL FOR THIS PROJECT	CONTRACTOR ESC SUPERVISOR REQUIREMENT
( ) INSIGNIFICANT	NONE
( ) MINOR	CONTRACTOR TRAINING PROGRAM, AS DEFINED IN SECTION 6.2 OF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS.
(X) MAJOR	CERTIFIED CONSTRUCTION REVIEWER (CCR), AS DEFINED IN SECTION 6.3 OF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS.

3. ASSIGN A RESPONSIBLE PERSON TO BE ON SITE DURING ALL EARTH DISTURBING ACTIVITIES AND BE AN ACTIVE DNREC BLUE CARD HOLDER AS DEFINED IN SECTION 6.2 OF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS (DSSR). BE FAMILIAR WITH AND COMPLY WITH ALL ASPECTS OF THE NPDES CONSTRUCTION GENERAL PERMIT.

4. FILE AS A CO-PERMITTEE IN ACCORDANCE WITH SECTION 901 OF THE STANDARD SPECIFICATIONS. POSTING AND MAINTENANCE OF THE NOI PERMIT COVERAGE IS INCIDENTAL TO THE CONTRACT.

5. MAINTAIN POSITIVE DRAINAGE IN EXISTING AND PROPOSED DRAINAGE SYSTEMS BY EXECUTING CONSTRUCTION, CLEANING EXISTING DRAINAGE SYSTEMS, AND PROPERLY DISPOSING OF SEDIMENT THROUGHOUT THE DURATION OF THE PROJECT.

6. IMPLEMENTING AND MAINTAINING POLLUTION PREVENTION DEVICES AND PRACTICES IS REQUIRED UNDER THE DELAWARE CONSTRUCTION GENERAL PERMIT AND THE DSSR AND ARE INCIDENTAL TO THE CONTRACT.

7. A SOIL STOCKPILE, AS DESCRIBED IN DELDOT STANDARD SPECIFICATIONS AND DEFINED IN THE DELAWARE EROSION & SEDIMENT CONTROL HANDBOOK, IS ANY LOCATION WITHIN THE LIMITS OF CONSTRUCTION WHERE A TEMPORARY DEPOSIT OF EXCAVATED SOIL IS BEING RESERVED FOR FUTURE USE. A SOIL STOCKPILE SHALL BE LOCATED A MINIMUM OF 50 FEET FROM A STORM DRAIN INLET, OPEN CHANNEL, WETLAND, OR WATERBODY. A REQUEST MAY BE MADE TO THE ENGINEER TO PERMIT LOCATING A SOIL STOCKPILE LESS THAN 50 FEET FROM A STORM DRAIN INLET OR OPEN CHANNEL. UPON APPROVAL, IF ANY PART OF A SOIL STOCKPILE IS LESS THAN 50 FEET FROM A STORM DRAIN INLET OR OPEN CHANNEL, INSTALL A SUPER SILT FENCE PERIMETER TO PROTECT THE SOIL STOCKPILE. THE SUPER SILT FENCE MUST BE CONSTRUCTED IN ACCORDANCE WITH 905.3.B.3 OF THE STANDARD SPECIFICATIONS. THE COST FOR INSTALLATION AND MAINTENANCE OF THE STOCKPILE SUPER SILT FENCE IS INCIDENTAL TO THE CONTRACT.

8. PROTECT AGAINST SEDIMENT OR DEBRIS LADEN RUNOFF FROM LEAVING THE SITE. CHECK PERIMETER CONTROLS DAILY AND ADJUST OR REPAIR TO FULLY CONTAIN AND CONTROL SEDIMENT FROM LEAVING THE SITE. REMOVE ACCUMULATED SEDIMENT BEFORE IT HAS REACHED HALF OF THE EFFECTIVE CAPACITY OF THE CONTROL. ADJUST OR ALTER MEASURES IN TIMES OF ADVERSE WEATHER CONDITIONS, OR AS DIRECTED BY THE ENGINEER.

9. ANY SEDIMENT LADEN DISCHARGE LEAVING THE LIMIT OF CONSTRUCTION SHALL IMMEDIATELY BE ADDRESSED THROUGH BEST AVAILABLE TECHNOLOGIES TO CONTROL ANY FURTHER SEDIMENT LADEN DISCHARGE. REMEDIATION MAY INCLUDE STANDARD E&S PRACTICES OR OTHER METHODS AS APPROVED BY THE ENGINEER.

10. ALL TEMPORARY CONCENTRATED FLOW AREAS INCLUDING CHANNEL SIDE SLOPES SHALL HAVE EROSION CONTROL BLANKET MULCH AS DIRECTED BY THE ENGINEER. INSTALL WITHIN SEVEN CALENDAR DAYS UPON CONSTRUCTION INITIATION. A TEMPORARY CONCENTRATED FLOW AREA MAY INCLUDE DITCHES, SWALES, BERMS, CONCENTRATED RUNOFF AREAS, ETC.

11. FOR ANY PERMANENT STORMWATER MANAGEMENT FACILITY, FOLLOW THAT FACILITY'S SEQUENCE OF CONSTRUCTION AS NOTED ON THE STORMWATER MANAGEMENT SHEETS.

12. PER DNREC GENERAL PERMIT, NO MORE THAN 20.0 ACRES MAY BE DISTURBED AT ANY TIME. FURTHER DISTURBANCE MAY NOT PROCEED UNTIL TEMPORARY OR PERMANENT STABILIZATION OF THE PREVIOUSLY DISTURBED AREA IS COMPLETED TO THE SATISFACTION OF AND AS APPROVED BY THE ENGINEER.

GENERAL E&S SEQUENCE NOTES (FOR ALL PHASES)

14. PRIOR TO COMMENCING A NEW PHASE OF CONSTRUCTION, APPROVAL IS REQUIRED FROM THE ENGINEER THAT THE AREAS WITHIN THE PREVIOUS PHASE HAVE BEEN SUFFICIENTLY STABILIZED.

15. DO NOT REMOVE E&S DEVICES UNLESS DIRECTED BY THE ENGINEER.

16. POST NOI PERMIT COVERAGE SO THAT IT IS VISIBLE IN CLOSE PROXIMITY TO THE CONSTRUCTION SITE AS DIRECTED BY THE ENGINEER. THE NOTICE MUST BE IN ACCORDANCE WITH DELDOT GUIDANCE.

17. INSTALL ALL PERIMETER E&S ITEMS AND SENSITIVE AREA PROTECTIONS PRIOR TO ANY LAND DISTURBING ACTIVITIES. THE ONLY LAND DISTURBANCE ALLOWABLE IS WHAT IS NECESSARY TO INSTALL THE PERIMETER E&S ITEMS.

18. ESTABLISH CONSTRUCTION STAGING AREAS AND INSTALL E&S CONTROLS.

19. ONCE PERIMETER E&S CONTROLS ARE INSTALLED, THEY SHALL BE INSPECTED AND APPROVED BY THE ENGINEER BEFORE ANY OTHER LAND DISTURBING ACTIVITIES CAN BEGIN.

20. INTERIOR EROSION AND SEDIMENT CONTROL ITEMS SHALL BE PLACED AS PER PLAN.

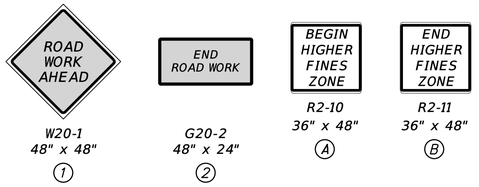
21. NOTIFY THE ENGINEER 48 HOURS BEFORE CONSTRUCTION OF ALL STORMWATER MANAGEMENT FACILITY COMPONENTS IN ACCORDANCE WITH THE STORMWATER MANAGEMENT SHEET FACILITY CONSTRUCTION SEQUENCE.

22. COMPLETE PERMANENT STABILIZATION WITHIN SEVEN (7) CALENDAR DAYS UPON REACHING FINAL GRADE.

ADDENDA / REVISIONS		NOT TO SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN	SECTION PD
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SHEET NO. 128
					CHECKED BY: B. BEHRENS		

21-AUG-2024
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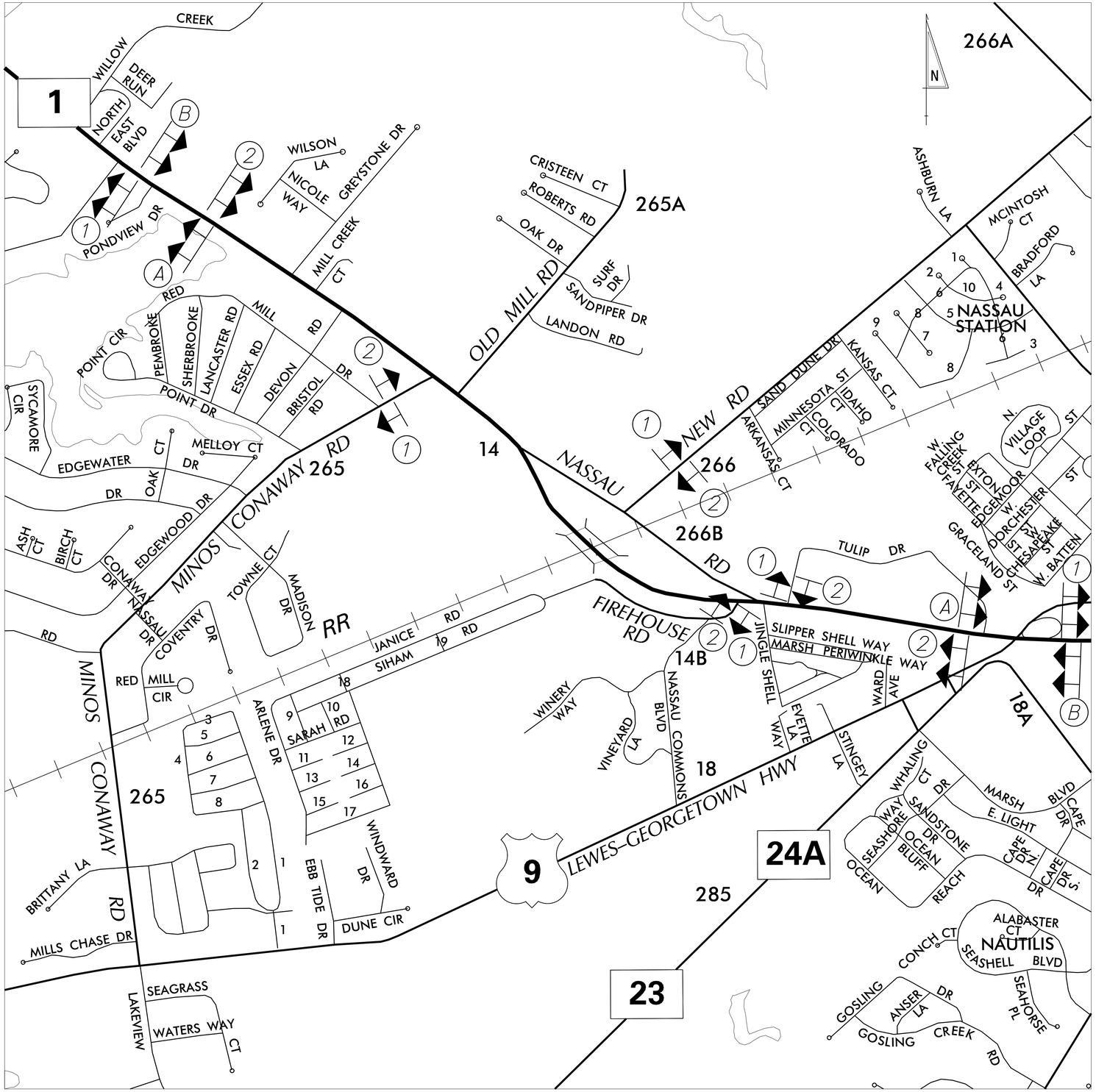


CONSTRUCTION PHASING & M.O.T

	BARRICADE, TYPE 3
	CONCRETE SAFETY BARRIER - PORTABLE
CSF XXX	CONSTRUCTION SAFETY FENCE / LENGTH
CSF	CONSTRUCTION SAFETY FENCE
	CONSTRUCTION WARNING SIGN LOCATION
END ROAD WORK	CONSTRUCTION WARNING SIGN
	CRASH CUSHION ARRAY
	DRUM - TRAFFIC CONTROL
	FLAGGER LOCATION
	PHASING TRAFFIC FLOW ARROW
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TRUCK WITH MOUNTED ATTENUATOR
	WORK AREA - ACTIVE PHASE

EROSION & SEDIMENT CONTROL

CFL	COMPOST FILTER LOG
CFL	COMPOST FILTER LOG / LENGTH
DWBAG	DEWATERING BAG
DWB	DEWATERING BASIN
ED	EARTH DIKE
	INLET SEDIMENT CONTROL
	PERIMETER DIKE/SWALE
PST	PORTABLE SEDIMENT TANK
SBD	SANDBAG DIKE
SB	SANDBAG DIVERSION
	STONE CHECK DAM
SCE	STABILIZED CONSTRUCTION ENTRANCE
SF	SILT FENCE / LENGTH
SF	SILT FENCE
RSF	REINFORCED SILT FENCE / LENGTH
RSF	REINFORCED SILT FENCE
SSF	SUPER SILT FENCE / LENGTH
SSF	SUPER SILT FENCE
SP	SUMP PIT
ST	SEDIMENT TRAP / NUMBER
ST	SEDIMENT TRAP
ST	SEDIMENT TRAP WITH INLET AS OUTLET
ST	SEDIMENT TRAP PIPE OUTLET
SW	STILLING WELL
	TEMPORARY SWALE
TSD	TEMPORARY SLOPE DRAIN
T XXX	TURBIDITY CURTAIN / LENGTH
T	TURBIDITY CURTAIN



ADDENDA / REVISIONS		NOT TO SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN	SECTION PD
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SHEET NO. 129
					CHECKED BY: B. BEHRENS		

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SEQUENCE OF CONSTRUCTION - PHASE 1A

1. INSTALL ALL EROSION AND SEDIMENT CONTROL.
2. SHIFT TRAFFIC ON SR 1 NB UNDER TA-36.
3. CLOSE RIGHT TURN LANE FROM SAVANNAH RD ONTO SR 1 NB.
4. INSTALL PORTABLE CONCRETE SAFETY BARRIER.
5. INSTALL TEMPORARY PEDESTRIAN PATH UNDER TA-28.
6. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES).
7. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX.
8. STABILIZE WORK AREAS IN ACCORDANCE WITH DIVISION 900 OF THE DELAWARE STANDARD SPECIFICATIONS.

SEQUENCE OF CONSTRUCTION - PHASE 1B

1. INSTALL ALL EROSION AND SEDIMENT CONTROL.
2. SHIFT TRAFFIC ON SR 1 NB UNDER TA-36.
3. CLOSE RIGHT TURN LANE FROM SAVANNAH RD ONTO SR 1 NB.
4. INSTALL TEMPORARY PEDESTRIAN PATH UNDER TA-28.
5. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES).
6. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX.
7. STABILIZE WORK AREAS IN ACCORDANCE WITH DIVISION 900 OF THE DELAWARE STANDARD SPECIFICATIONS.

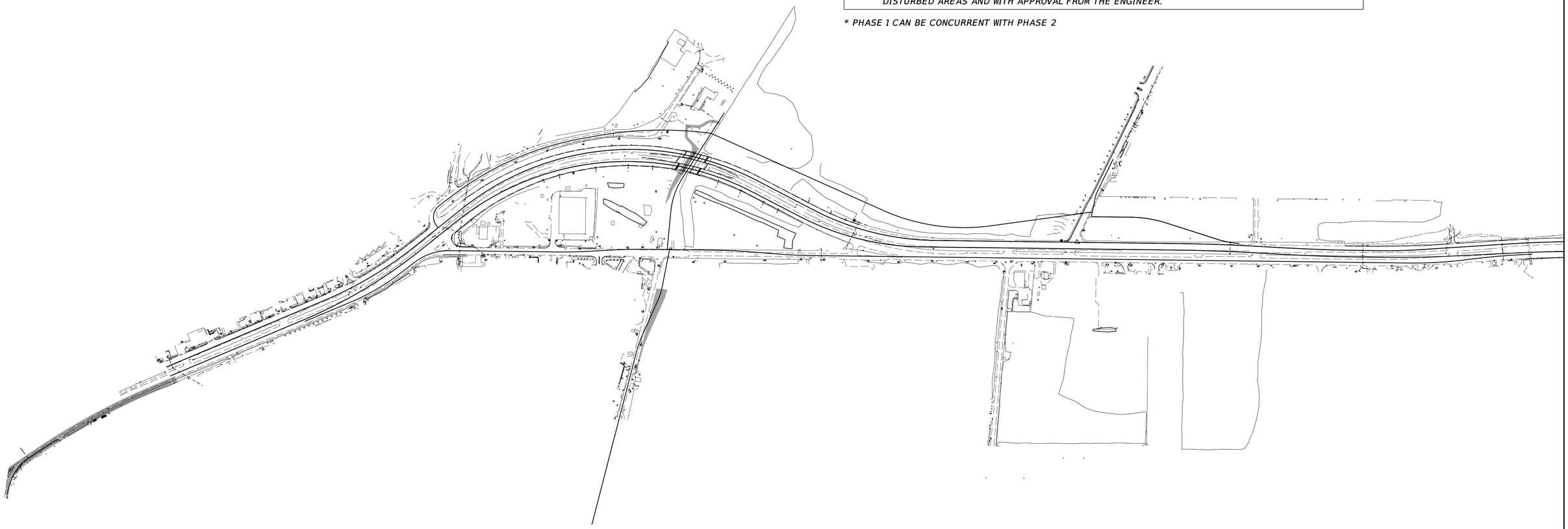
SEQUENCE OF CONSTRUCTION - PHASE 1C

1. INSTALL ALL ADVANCE WARNING SIGNS AND TEMPORARY CONTROL DEVICES.
2. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
3. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
4. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
5. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.

SEQUENCE OF CONSTRUCTION - PHASE 1D

1. INSTALL ALL ADVANCE WARNING SIGNS AND TEMPORARY CONTROL DEVICES.
2. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
3. SEE RETAINING WALL DETAIL FOR SEQUENCE OF CONSTRUCTION.
4. CONSTRUCT TEMPORARY PATH.
5. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.

* PHASE 1 CAN BE CONCURRENT WITH PHASE 2



ADDENDA / REVISIONS	

SCALE
0 300 600 900
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 1

SECTION	
PD	
SHEET NO.	
130	

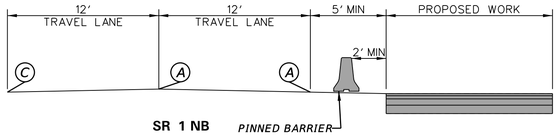
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SEQUENCE OF CONSTRUCTION - PHASE 1A

1. INSTALL ALL EROSION AND SEDIMENT CONTROL.
2. SHIFT TRAFFIC ON SR 1 NB UNDER TA-36.
3. CLOSE RIGHT TURN LANE FROM SAVANNAH RD ONTO SR 1 NB.
4. INSTALL PORTABLE CONCRETE SAFETY BARRIER.
5. INSTALL TEMPORARY PEDESTRIAN PATH UNDER TA-28.
6. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES).
7. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX.
8. STABILIZE WORK AREAS IN ACCORDANCE WITH DIVISION 900 OF THE DELAWARE STANDARD SPECIFICATIONS.

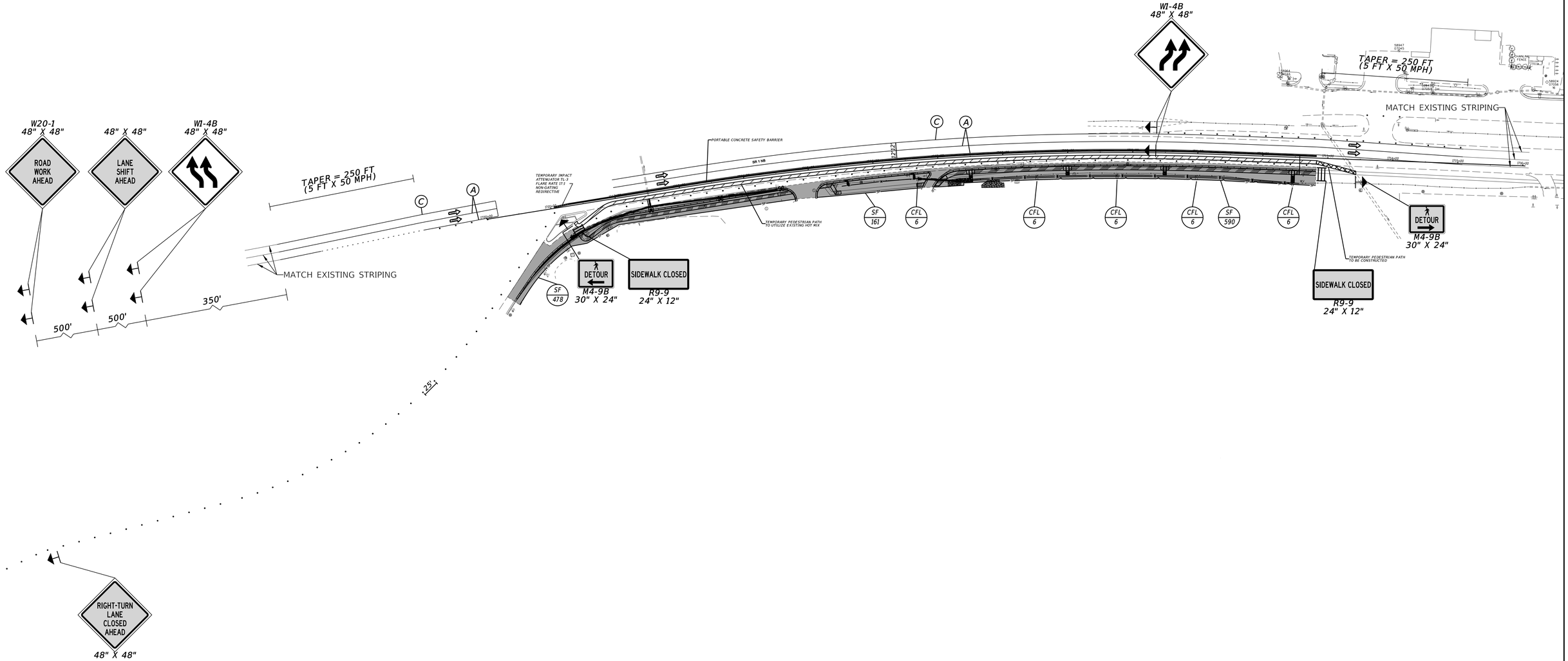
TEMPORARY PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	3,305 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	1,653 LF



TEMPORARY PEDESTRIAN PATH UTILIZING EXISTING HOT MIX

TEMPORARY PEDESTRIAN PATH TO BE CONSTRUCTED



ADDENDA / REVISIONS		SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO.	X	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN - PHASE 1A	SECTION
		0 75 150 225		T201612501	DESIGNED BY:	N. RIGOLINO		PD
		FEET		COUNTY	CHECKED BY:	B. BEHRENS		SHEET NO.
				SUSSEX				131

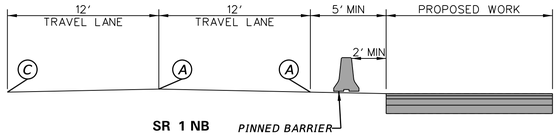
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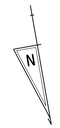
SEQUENCE OF CONSTRUCTION - PHASE 1B

1. INSTALL ALL EROSION AND SEDIMENT CONTROL.
2. SHIFT TRAFFIC ON SR 1 NB UNDER TA-36.
3. CLOSE RIGHT TURN LANE FROM SAVANNAH RD ONTO SR 1 NB.
4. INSTALL TEMPORARY PEDESTRIAN PATH UNDER TA-28.
5. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES).
6. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX.
7. STABILIZE WORK AREAS IN ACCORDANCE WITH DIVISION 900 OF THE DELAWARE STANDARD SPECIFICATIONS.

TEMPORARY PAVEMENT MARKINGS LEGEND

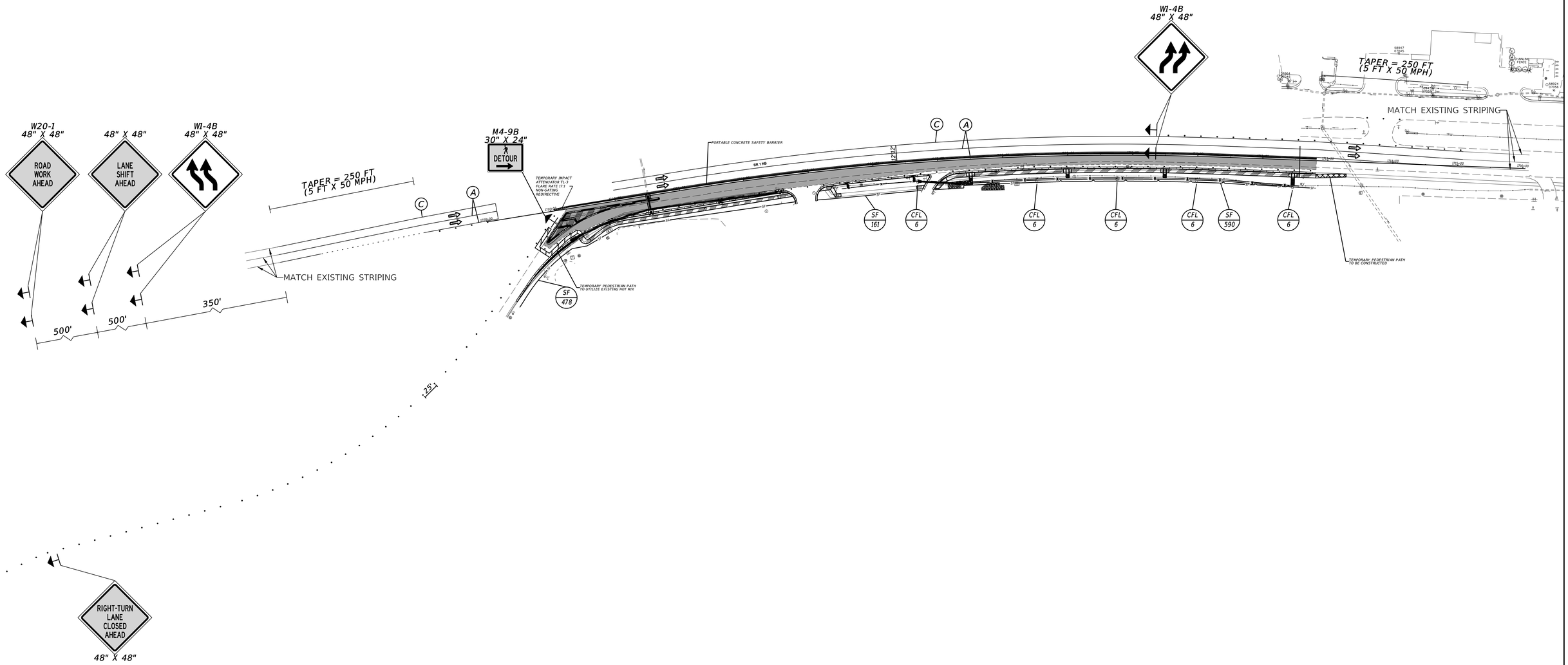
SYMBOL	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	3,305 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	1,653 LF





TEMPORARY PEDESTRIAN PATH UTILIZING EXISTING HOT MIX

TEMPORARY PEDESTRIAN PATH TO BE CONSTRUCTED

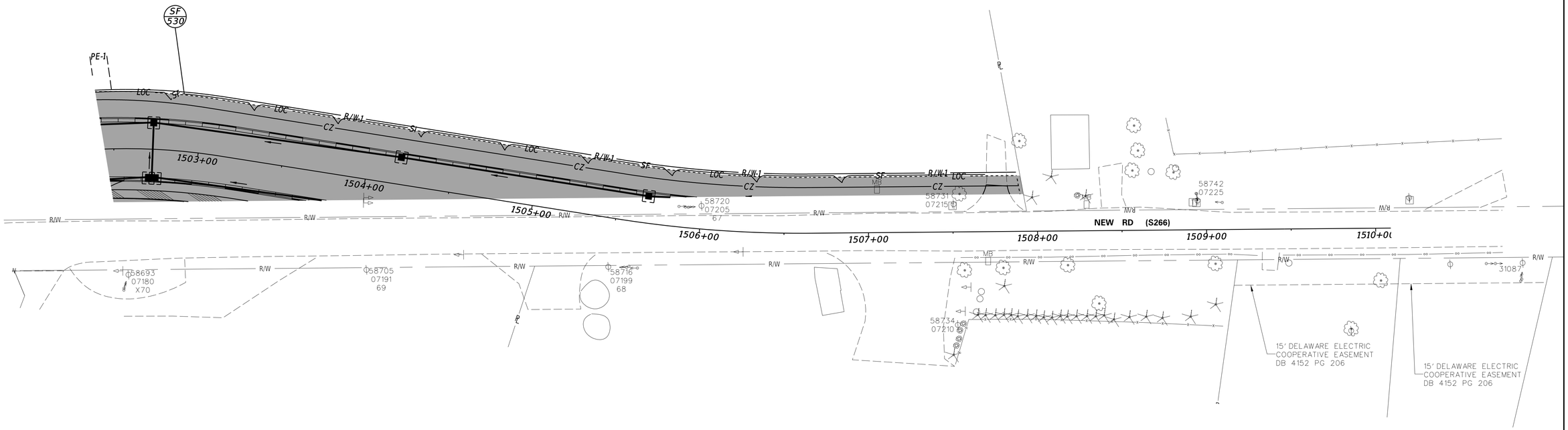


ADDENDA / REVISIONS		SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO.	X	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN - PHASE 1B	SECTION
		0 75 150 225		T201612501	DESIGNED BY:	N. RIGOLINO		PD
		FEET		COUNTY				SHEET NO.
				SUSSEX	CHECKED BY:	B. BEHRENS		132

22-AUG-2024
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SEQUENCE OF CONSTRUCTION - PHASE 1C

1. INSTALL ALL ADVANCE WARNING SIGNS AND TEMPORARY CONTROL DEVICES.
2. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
3. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
4. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
5. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.



ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 1C

SECTION	PD
SHEET NO.	133

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SEQUENCE OF CONSTRUCTION - PHASE 1D

1. INSTALL ALL ADVANCE WARNING SIGNS AND TEMPORARY CONTROL DEVICES.
2. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
3. SEE RETAINING WALL DETAIL FOR SEQUENCE OF CONSTRUCTION.
4. CONSTRUCT TEMPORARY PATH.
5. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.

TEMPORARY PATH

SIDEWALK CLOSED
R9-9
24" X 12"

JANICE RD
1117+00
1118+00
1119+00

1001+00
1002+00
1003+00
1004+00

839+00
840+00
841+00
842+00
843+00
SR 1 SB (S14)

739+00
740+00
741+00
742+00
743
SR 1 NB (S14)

NEW RD (S266)

1+00

SIDEWALK CLOSED
R9-9
24" X 12"

EXISTING CONCRETE EMBANKMENT

EXISTING BRIDGE PIERS

10' MIN
2' MIN
10'
EXISTING SHARED-USE PATH
UNPINNED BARRIER

10'
1.5%
OG
6:1
6:1
OG
ITEM 401005
TYPE C - 4"
GABC - 6"
TEMPORARY PATH

C.M.
M.H.
I.P.
J.W.
D.I.
R/W
58630
07100

22-AUG-2024
08:15
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ADDENDA / REVISIONS	

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 1D

SECTION	
PD	
SHEET NO.	
134	

SEQUENCE OF CONSTRUCTION - PHASE 2A

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. SHIFT TRAFFIC ON JANICE RD UNDER TA-11B.
3. SHIFT TRAFFIC ON NASSAU RD UNDER TA-11B.
4. CLOSE SHOULDER ON SR 1 SOUTHBOUND FROM STATION 847+00 TO STATION 877+50 UNDER TA-3A.
5. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
6. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
7. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.

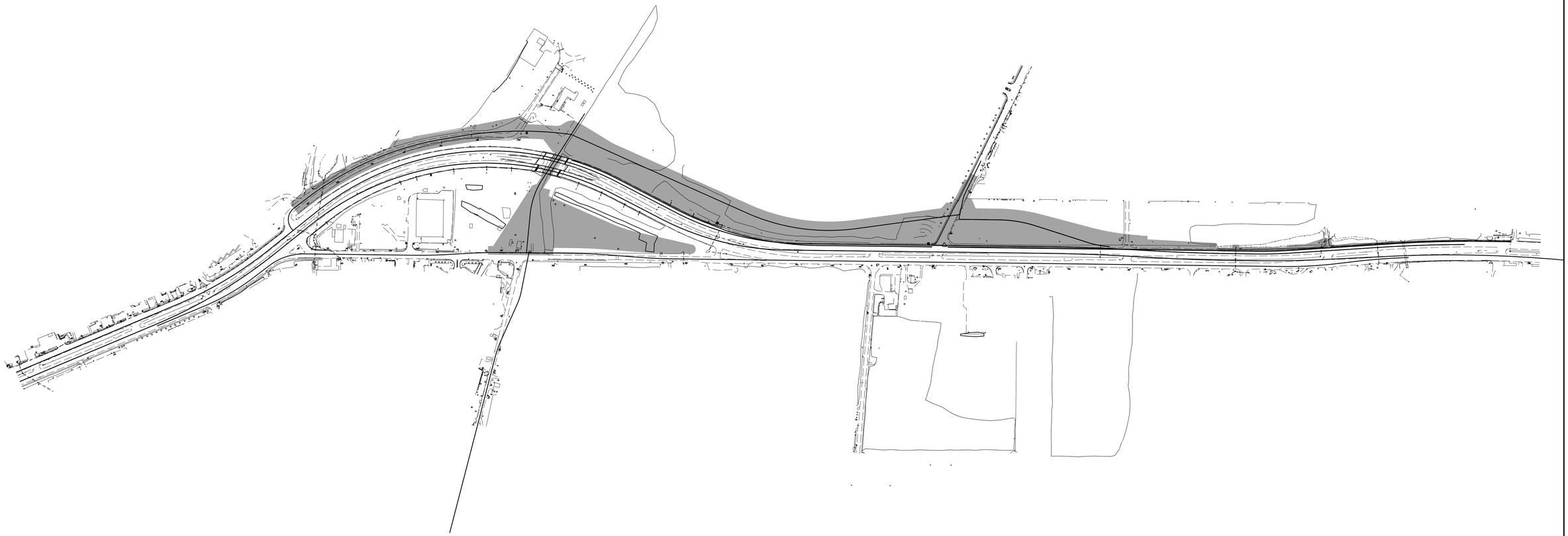
SEQUENCE OF CONSTRUCTION - PHASE 2B

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. INCORPORATE LANE CONFIGURATION FROM PHASE 2A.
3. INCORPORATE DETOUR ON MINOS CONAWAY RD.
4. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
5. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
6. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.

SEQUENCE OF CONSTRUCTION - PHASE 2C

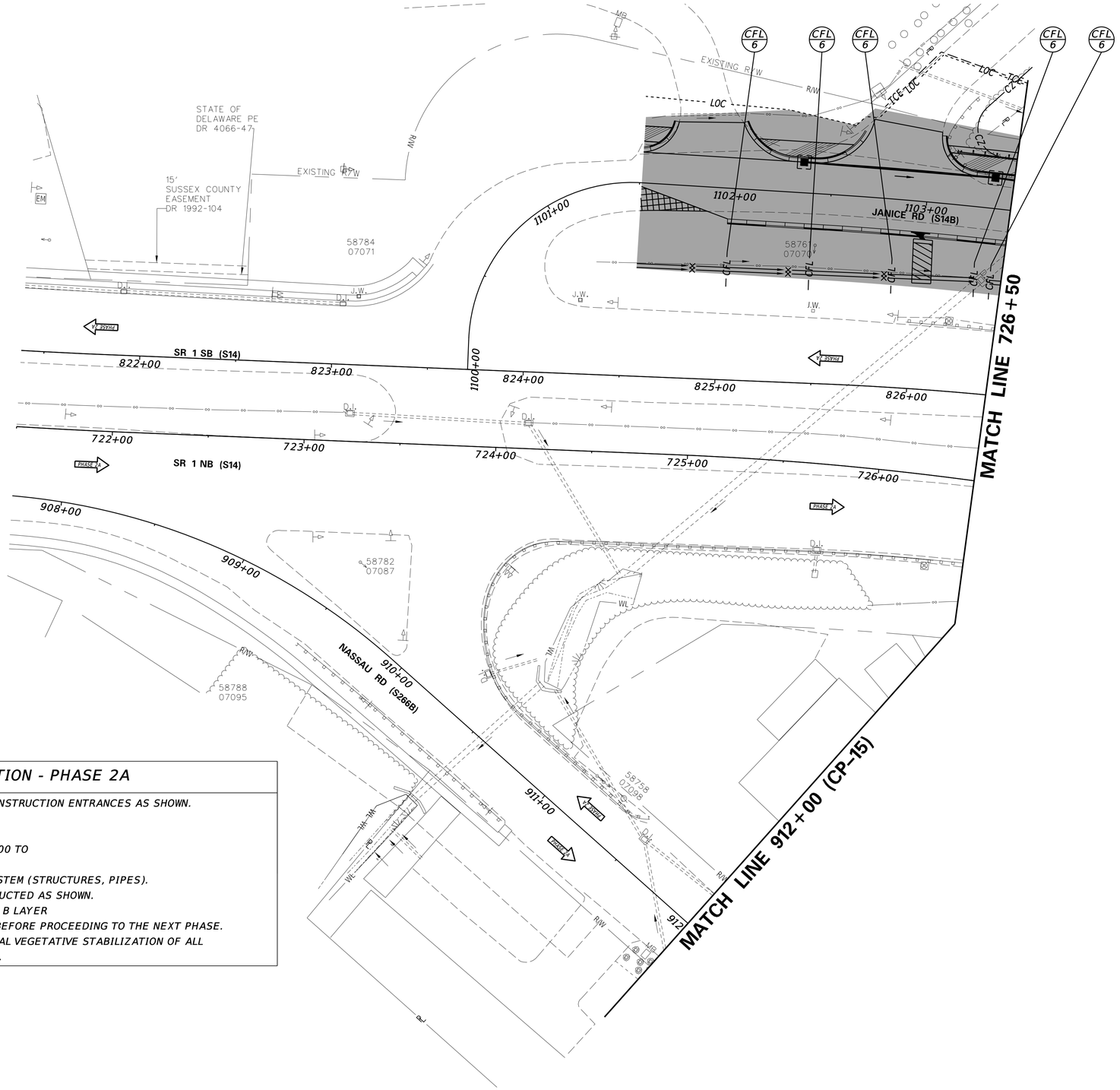
1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. INCORPORATE LANE CONFIGURATION FROM PHASE 2A.
3. CLOSE DEVON RD.
4. INSTALL TEMPORARY STRIPING AND PERMANENT SIGNS FOR JANICE RD, SERVICE RD A, MINOS CONAWAY RD, AND MINOS CONAWAY ROUNDABOUT
5. OPEN JANICE RD, SERVICE RD A, MINOS CONAWAY RD, AND MINOS CONAWAY RD ROUNDABOUT.
6. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
7. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
8. INSTALL TEMPORARY STRIPING AND PERMANENT SIGNS FOR RAMP A.
9. OPEN RAMP A UPON COMPLETETION OF PHASE 2C.
10. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.

* PHASE 2 CAN BE CONCURRENT WITH PHASE 1



ADDENDA / REVISIONS		SCALE 0 300 600 900 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 2	SECTION PD
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SHEET NO. 135
					CHECKED BY: B. BEHRENS		

22-AUG-2024
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SEQUENCE OF CONSTRUCTION - PHASE 2A

1. *INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.*
2. *SHIFT TRAFFIC ON JANICE RD UNDER TA-11B.*
3. *SHIFT TRAFFIC ON NASSAU RD UNDER TA-11B.*
4. *CLOSE SHOULDER ON SR 1 SOUTHBOUND FROM STATION 847+00 TO STATION 877+50 UNDER TA-3A.*
5. *EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.*
6. *EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER*
7. *ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.*

ADDENDA / REVISIONS	

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

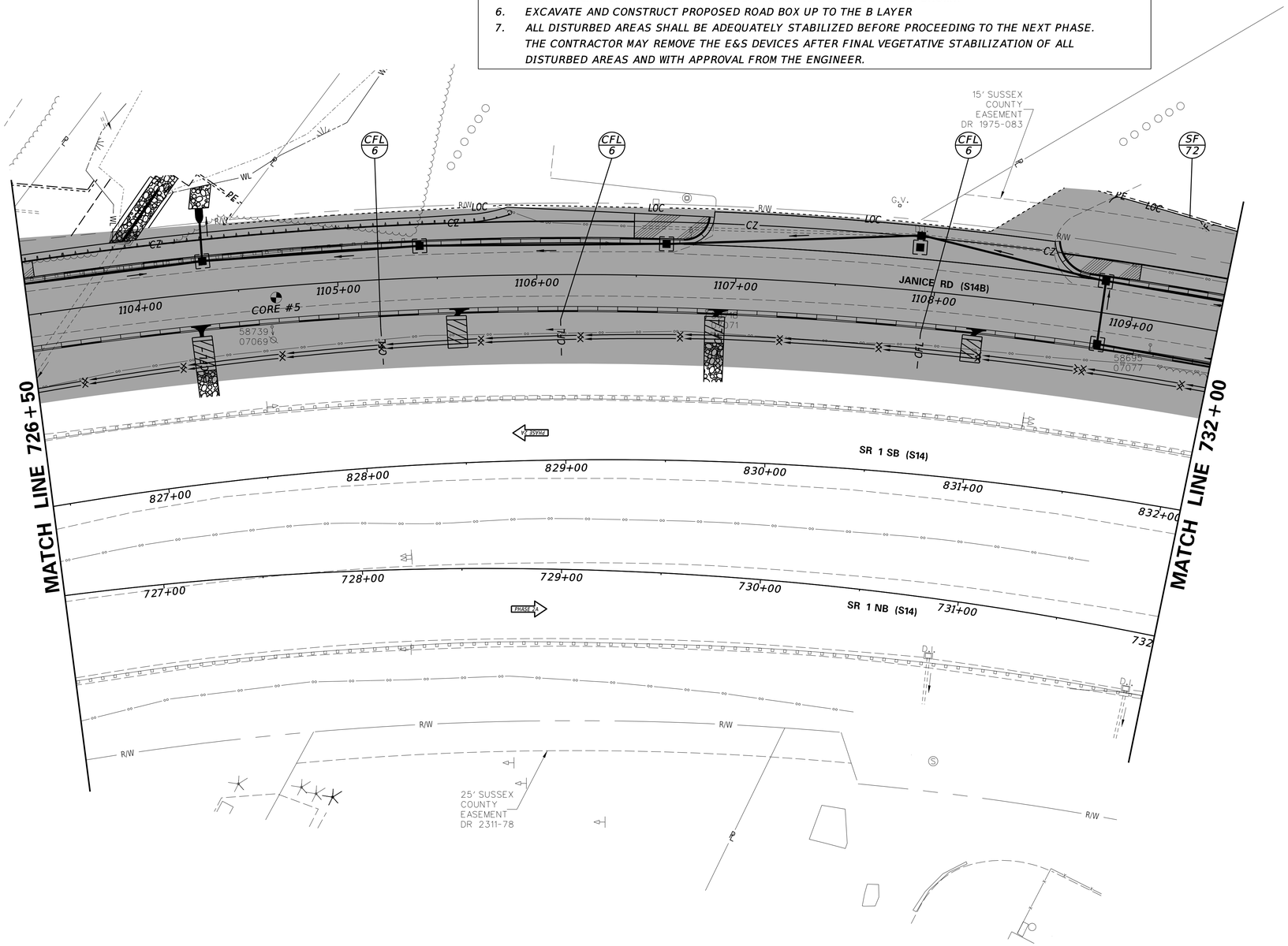
CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 2A

SECTION	
PD	
SHEET NO.	
136	

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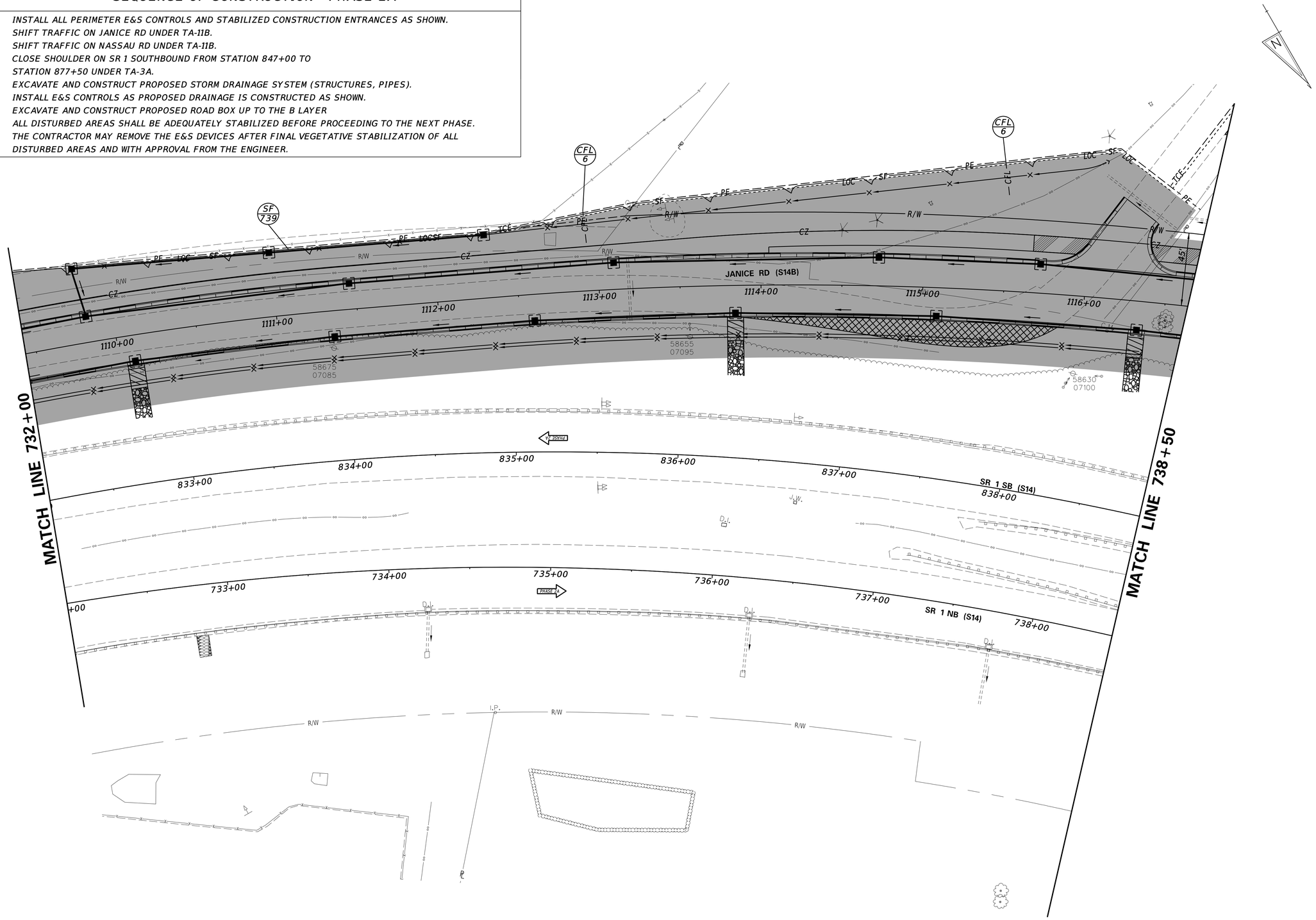
SEQUENCE OF CONSTRUCTION - PHASE 2A

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. SHIFT TRAFFIC ON JANICE RD UNDER TA-11B.
3. SHIFT TRAFFIC ON NASSAU RD UNDER TA-11B.
4. CLOSE SHOULDER ON SR 1 SOUTHBOUND FROM STATION 847+00 TO STATION 877+50 UNDER TA-3A.
5. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
6. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
7. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.



SEQUENCE OF CONSTRUCTION - PHASE 2A

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. SHIFT TRAFFIC ON JANICE RD UNDER TA-11B.
3. SHIFT TRAFFIC ON NASSAU RD UNDER TA-11B.
4. CLOSE SHOULDER ON SR 1 SOUTHBOUND FROM STATION 847+00 TO STATION 877+50 UNDER TA-3A.
5. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
6. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
7. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.



ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

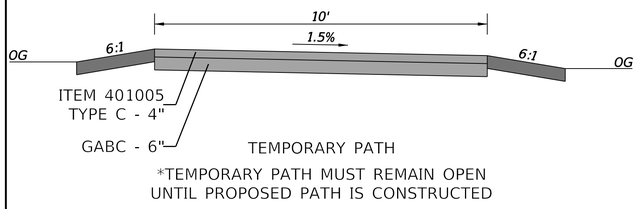
SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 2A

SECTION	PD
SHEET NO.	138

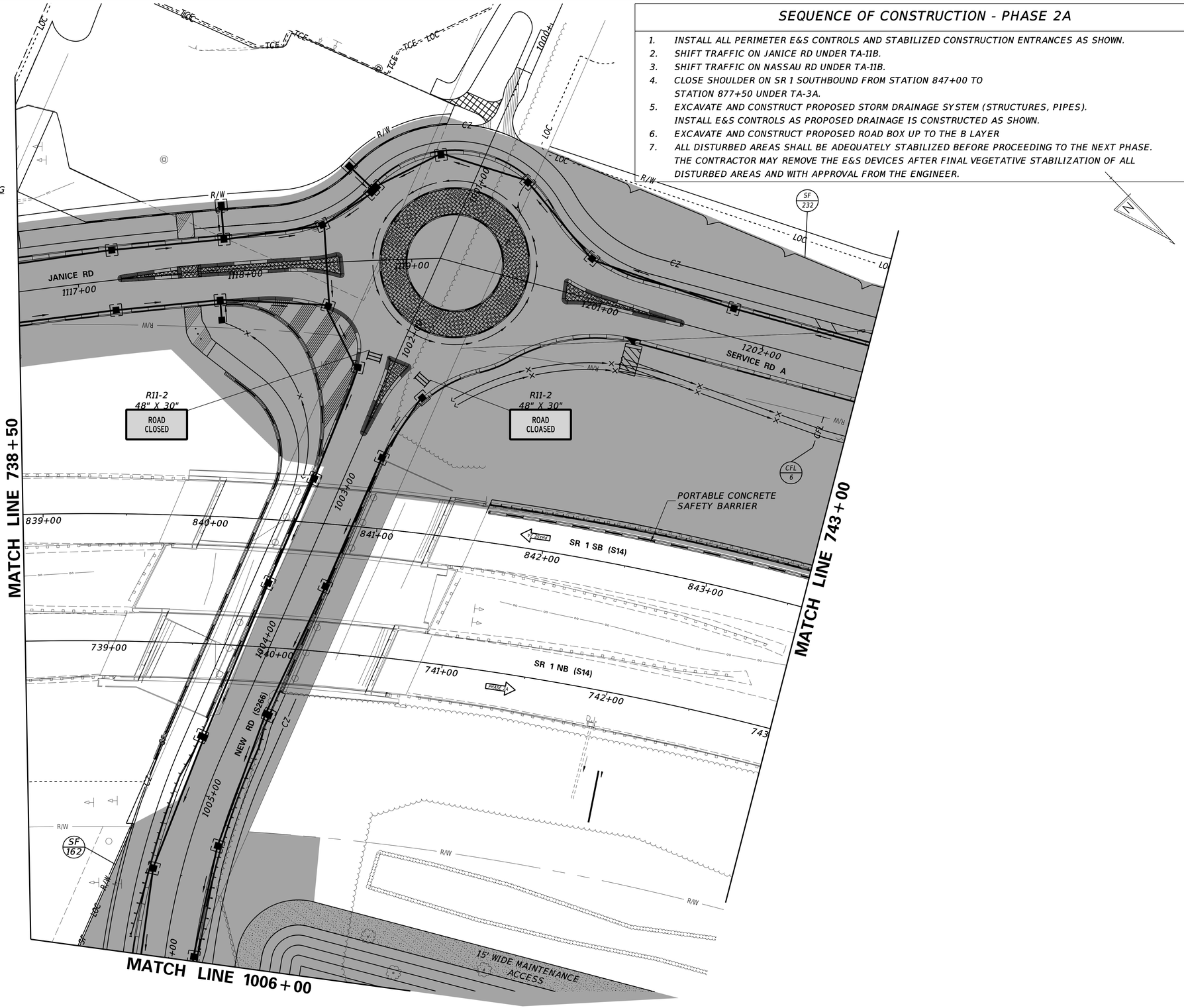
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*TEMPORARY PATH MUST REMAIN OPEN UNTIL PROPOSED PATH IS CONSTRUCTED

SEQUENCE OF CONSTRUCTION - PHASE 2A

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. SHIFT TRAFFIC ON JANICE RD UNDER TA-11B.
3. SHIFT TRAFFIC ON NASSAU RD UNDER TA-11B.
4. CLOSE SHOULDER ON SR 1 SOUTHBOUND FROM STATION 847+00 TO STATION 877+50 UNDER TA-3A.
5. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
6. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
7. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.

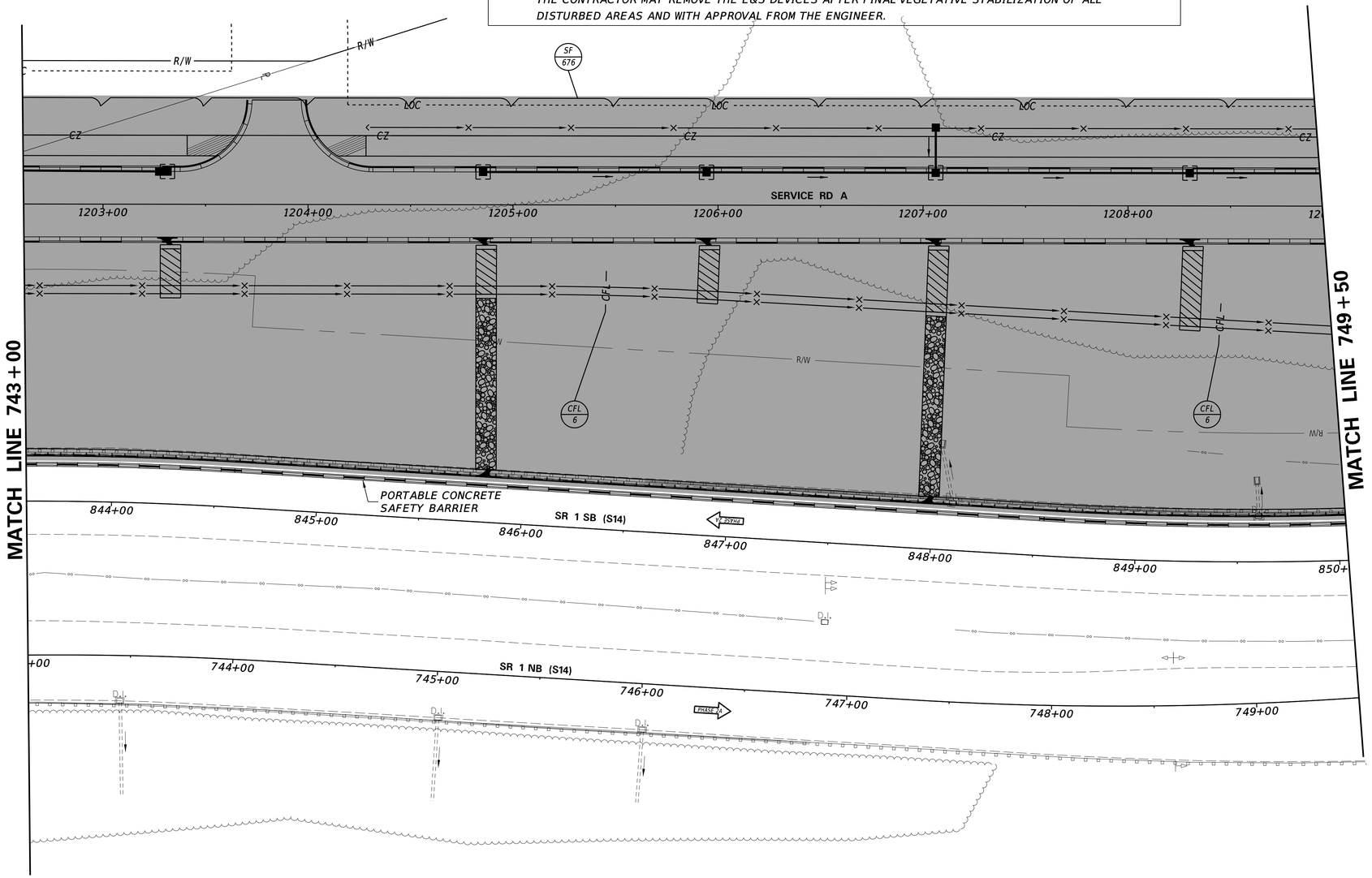


ADDENDA / REVISIONS		SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO.	X	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 2A	SECTION
		0 30 60 90		T201612501	DESIGNED BY: N. RIGOLINO			PD
		FEET		COUNTY	CHECKED BY: B. BEHRENS			SHEET NO.
				SUSSEX				139

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SEQUENCE OF CONSTRUCTION - PHASE 2A

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. SHIFT TRAFFIC ON JANICE RD UNDER TA-11B.
3. SHIFT TRAFFIC ON NASSAU RD UNDER TA-11B.
4. CLOSE SHOULDER ON SR 1 SOUTHBOUND FROM STATION 847+00 TO STATION 877+50 UNDER TA-3A.
5. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
6. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
7. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.



ADDENDA / REVISIONS	

SCALE
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FEET

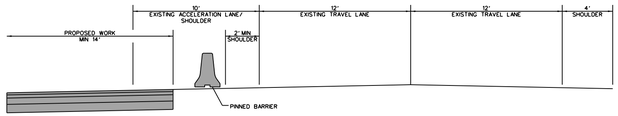
SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 2A

SECTION	
PD	
SHEET NO.	
140	

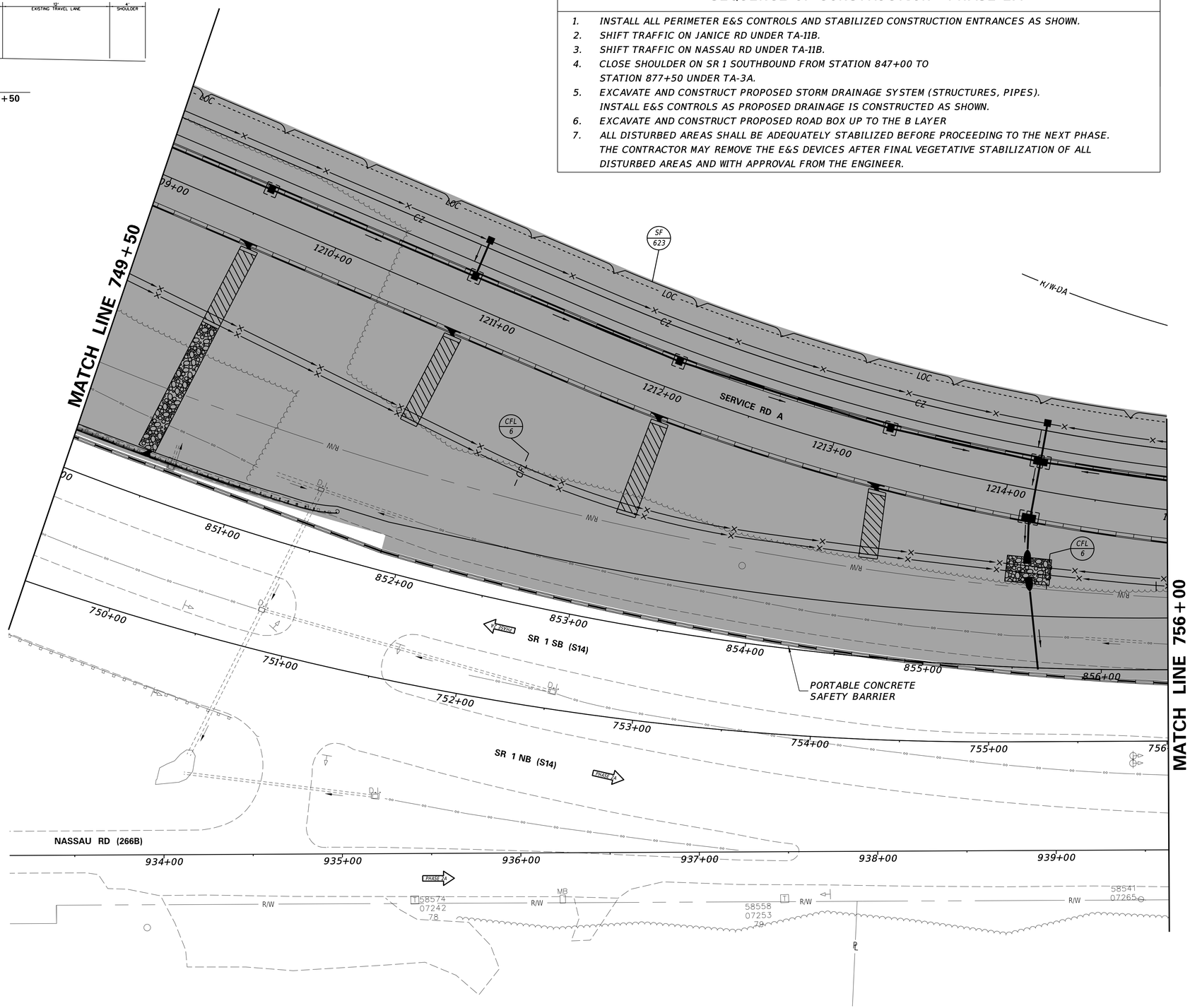
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SR 1 SB
STATION 847+00 TO STATION 877+50

SEQUENCE OF CONSTRUCTION - PHASE 2A

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. SHIFT TRAFFIC ON JANICE RD UNDER TA-11B.
3. SHIFT TRAFFIC ON NASSAU RD UNDER TA-11B.
4. CLOSE SHOULDER ON SR 1 SOUTHBOUND FROM STATION 847+00 TO STATION 877+50 UNDER TA-3A.
5. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
6. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
7. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.

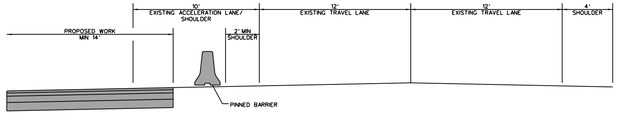


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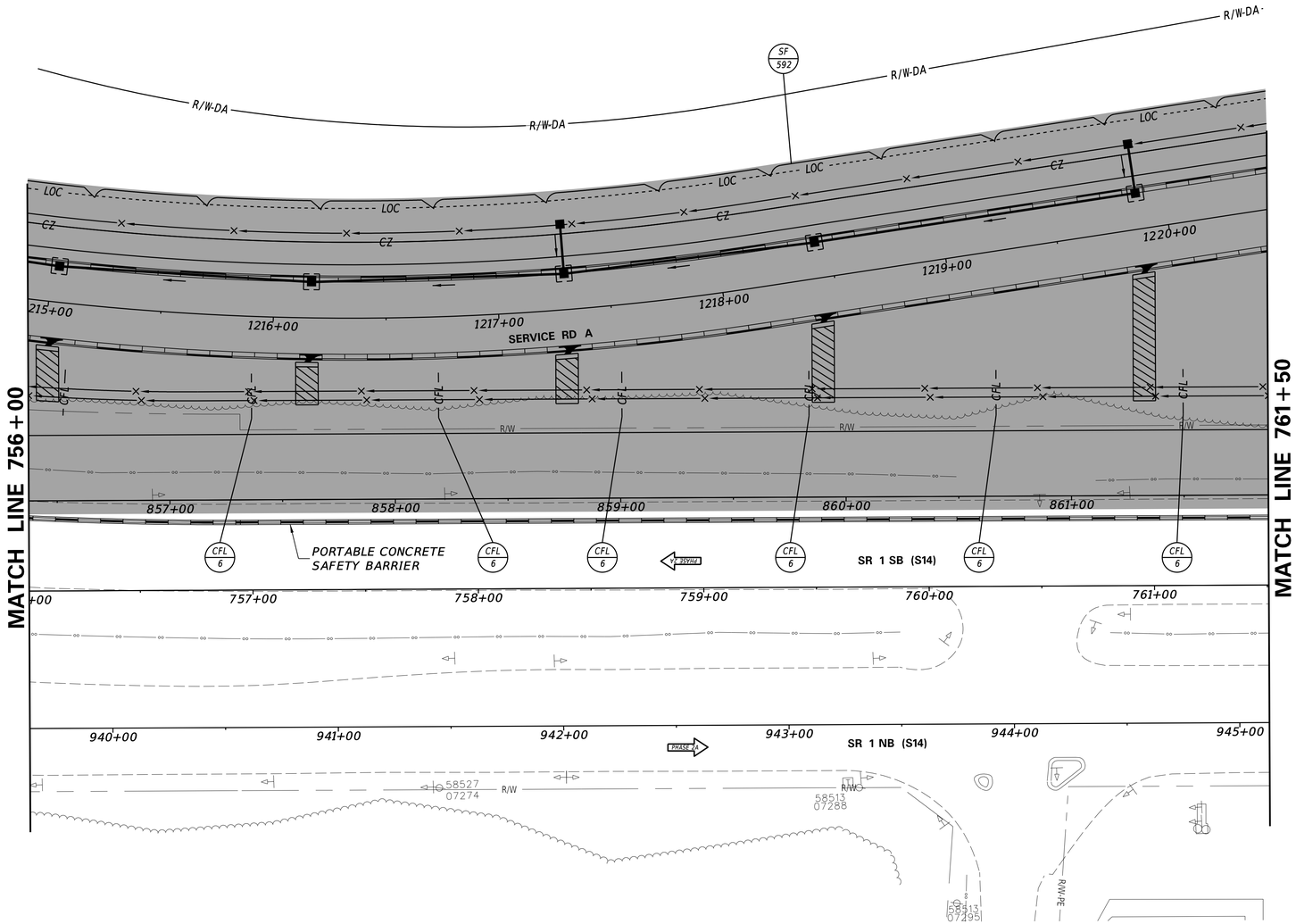
ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 2A	SECTION PD
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SHEET NO. 141
					CHECKED BY: B. BEHRENS		

SEQUENCE OF CONSTRUCTION - PHASE 2A

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. SHIFT TRAFFIC ON JANICE RD UNDER TA-11B.
3. SHIFT TRAFFIC ON NASSAU RD UNDER TA-11B.
4. CLOSE SHOULDER ON SR 1 SOUTHBOUND FROM STATION 847+00 TO STATION 877+50 UNDER TA-3A.
5. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
6. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
7. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.



SR 1 SB
STATION 847+00 TO STATION 877+50

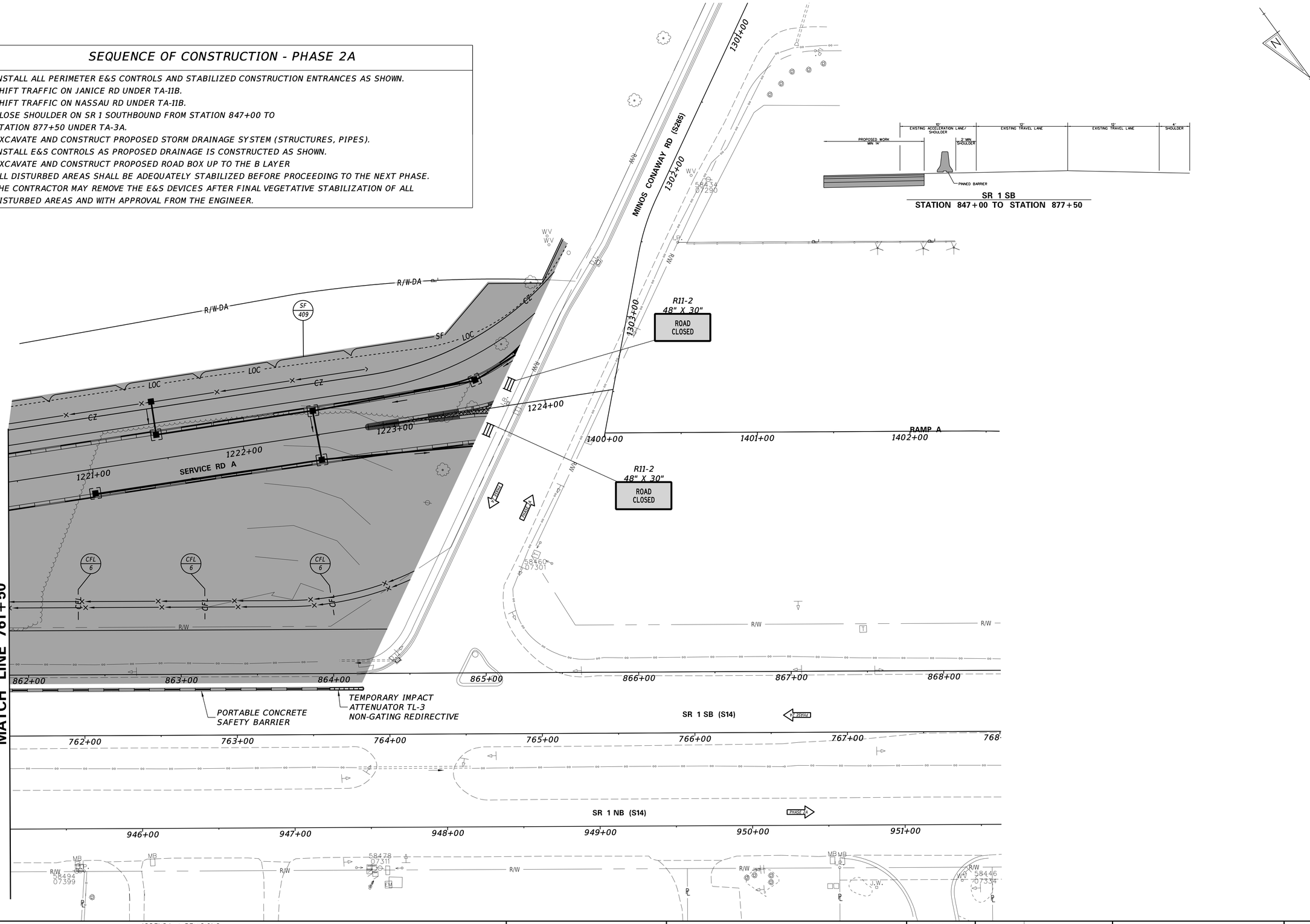


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ADDENDA / REVISIONS	SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO.	X	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 2A	SECTION
	0 30 60 90 FEET		T201612501	DESIGNED BY: N. RIGOLINO			PD
			COUNTY	CHECKED BY: B. BEHRENS			SHEET NO.
			SUSSEX				142

SEQUENCE OF CONSTRUCTION - PHASE 2A

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. SHIFT TRAFFIC ON JANICE RD UNDER TA-11B.
3. SHIFT TRAFFIC ON NASSAU RD UNDER TA-11B.
4. CLOSE SHOULDER ON SR 1 SOUTHBOUND FROM STATION 847+00 TO STATION 877+50 UNDER TA-3A.
5. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
6. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
7. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.

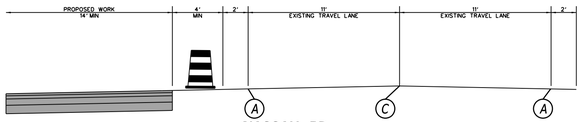


ADDENDA / REVISIONS	SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO.	X	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 2A	SECTION
	0 30 60 90 FEET		T201612501	DESIGNED BY: N. RIGOLINO			PD
			COUNTY	CHECKED BY: B. BEHRENS			SHEET NO.
			SUSSEX				143

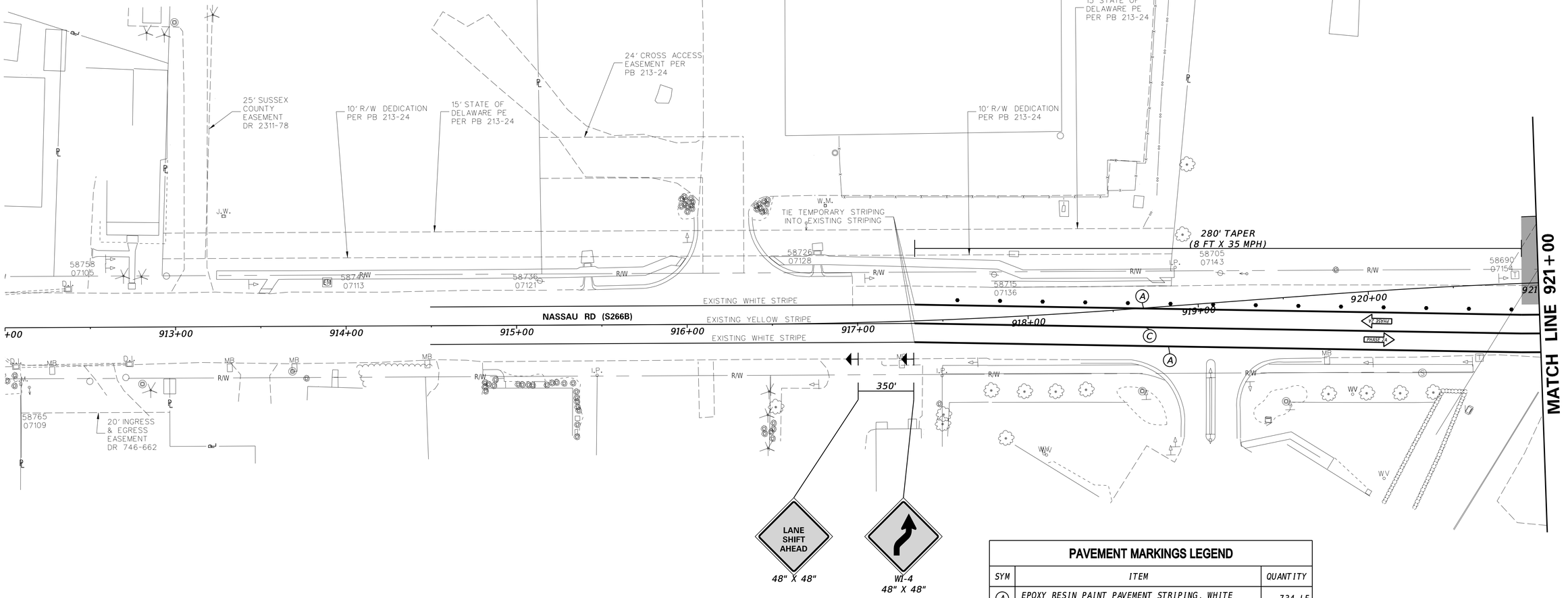
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SEQUENCE OF CONSTRUCTION - PHASE 2A

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. SHIFT TRAFFIC ON JANICE RD UNDER TA-11B.
3. SHIFT TRAFFIC ON NASSAU RD UNDER TA-11B.
4. CLOSE SHOULDER ON SR 1 SOUTHBOUND FROM STATION 847+00 TO STATION 877+50 UNDER TA-3A.
5. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
6. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
7. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.



NASSAU RD
STATION 917+25 TO STATION 928+00



PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	734 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	367 LF

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

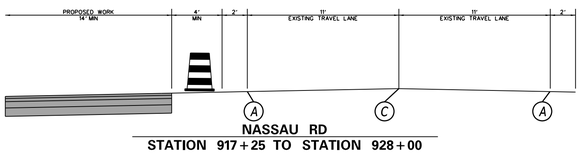
CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 2A

SECTION	
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SHEET NO.	
144	

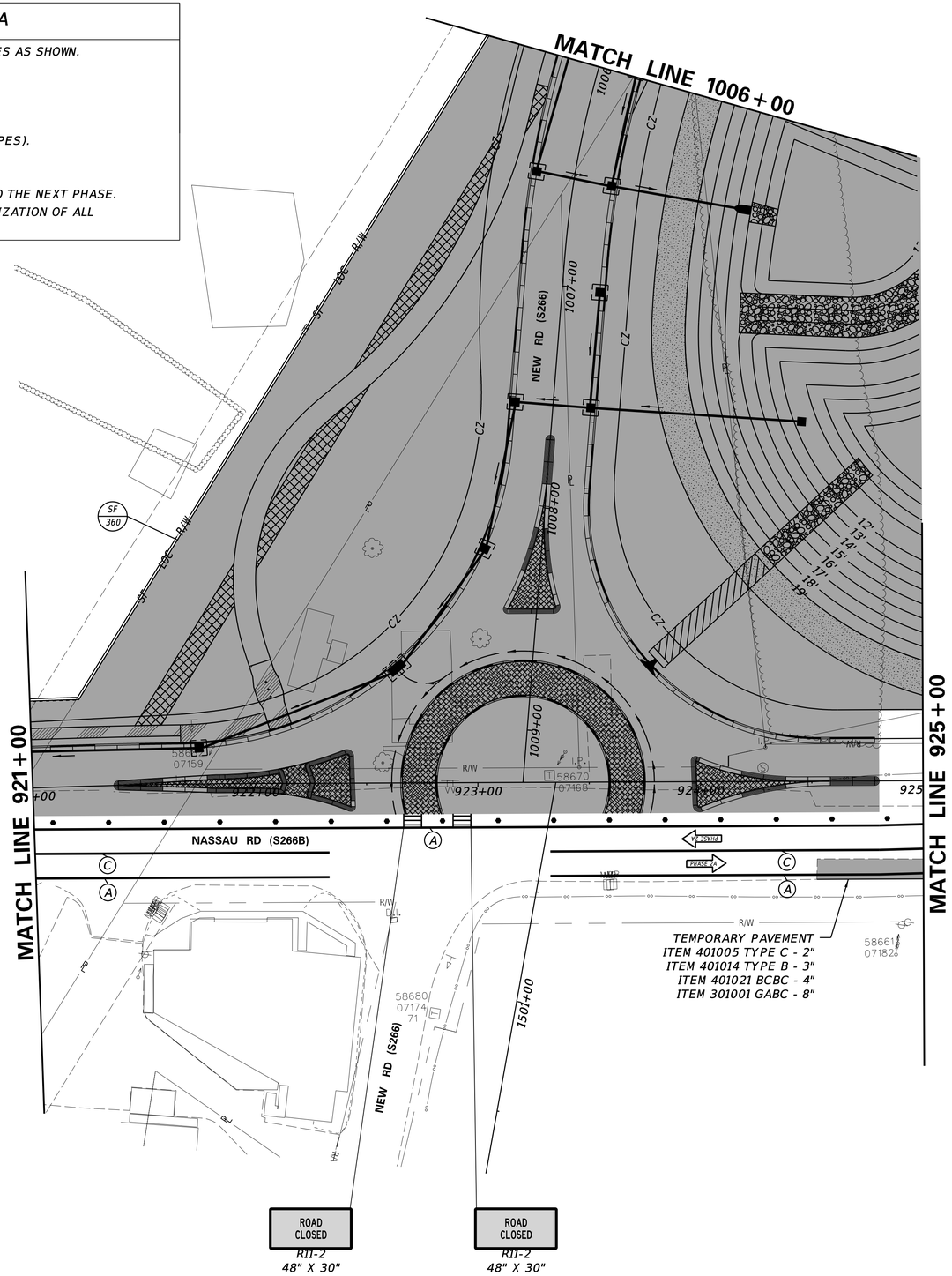
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SEQUENCE OF CONSTRUCTION - PHASE 2A

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. SHIFT TRAFFIC ON JANICE RD UNDER TA-11B.
3. SHIFT TRAFFIC ON NASSAU RD UNDER TA-11B.
4. CLOSE SHOULDER ON SR 1 SOUTHBOUND FROM STATION 847+00 TO STATION 877+50 UNDER TA-3A.
5. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
6. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
7. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.



NASSAU RD
STATION 917+25 TO STATION 928+00



PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	800 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	400 LF

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

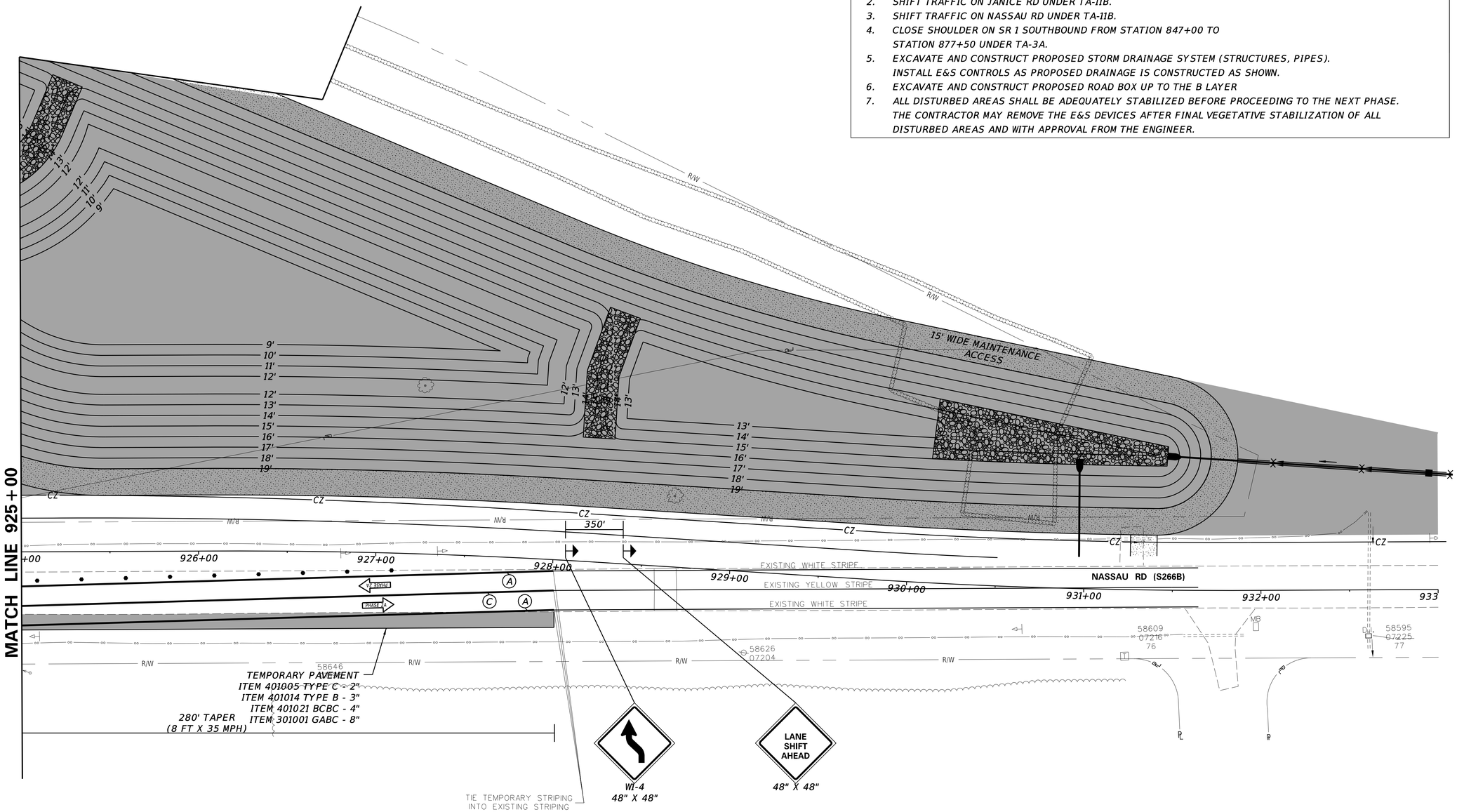
CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 2A

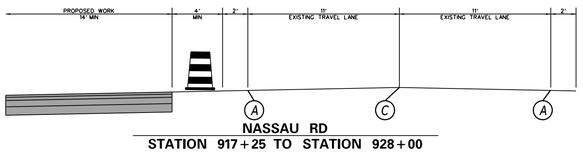
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SEQUENCE OF CONSTRUCTION - PHASE 2A

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. SHIFT TRAFFIC ON JANICE RD UNDER TA-11B.
3. SHIFT TRAFFIC ON NASSAU RD UNDER TA-11B.
4. CLOSE SHOULDER ON SR 1 SOUTHBOUND FROM STATION 847+00 TO STATION 877+50 UNDER TA-3A.
5. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
6. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
7. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.





NASSAU RD
STATION 917+25 TO STATION 928+00

PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	600 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	300 LF

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

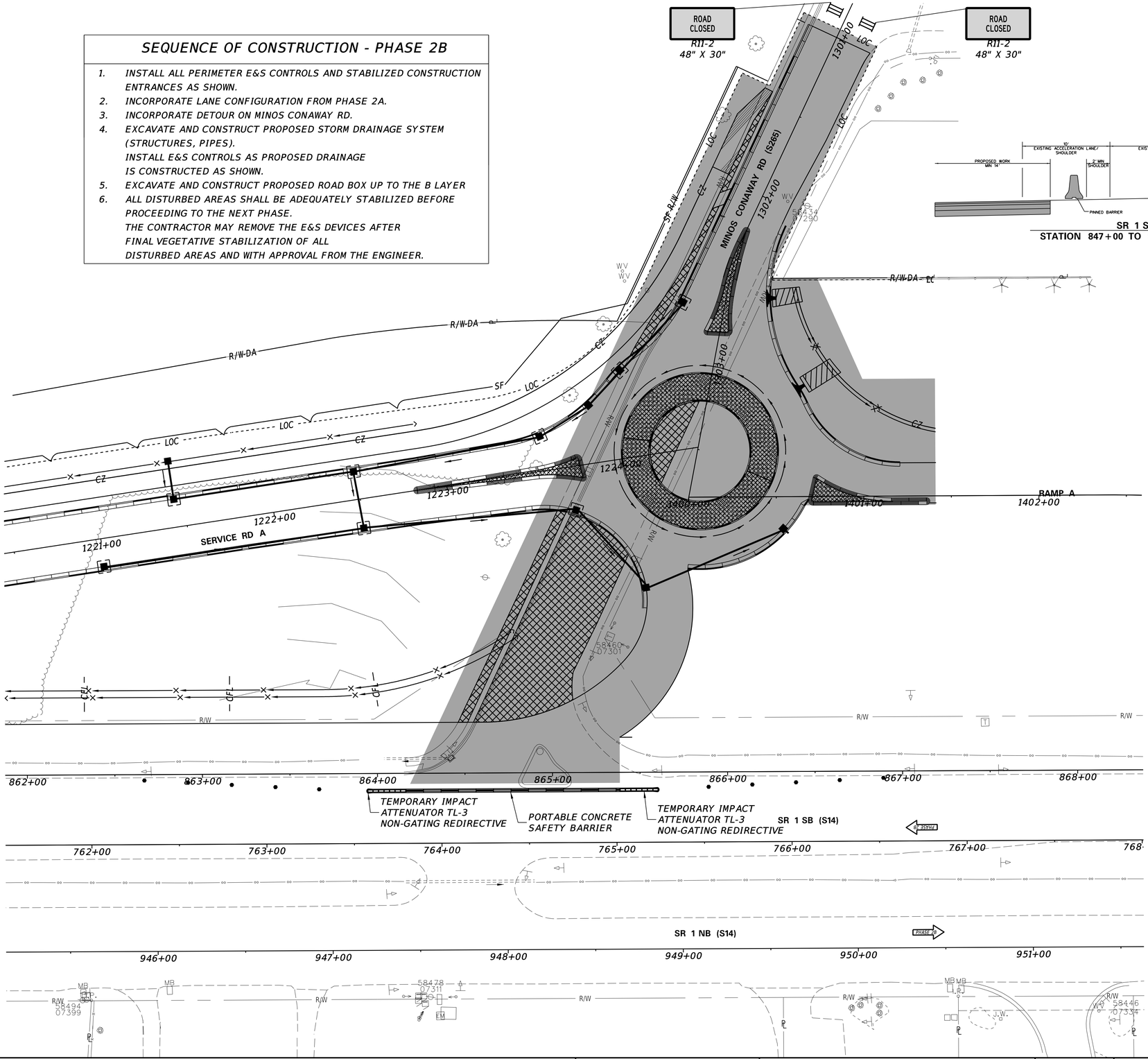
CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 2A

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SEQUENCE OF CONSTRUCTION - PHASE 2B

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. INCORPORATE LANE CONFIGURATION FROM PHASE 2A.
3. INCORPORATE DETOUR ON MINOS CONAWAY RD.
4. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES).
   INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
5. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
6. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE.
   THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.

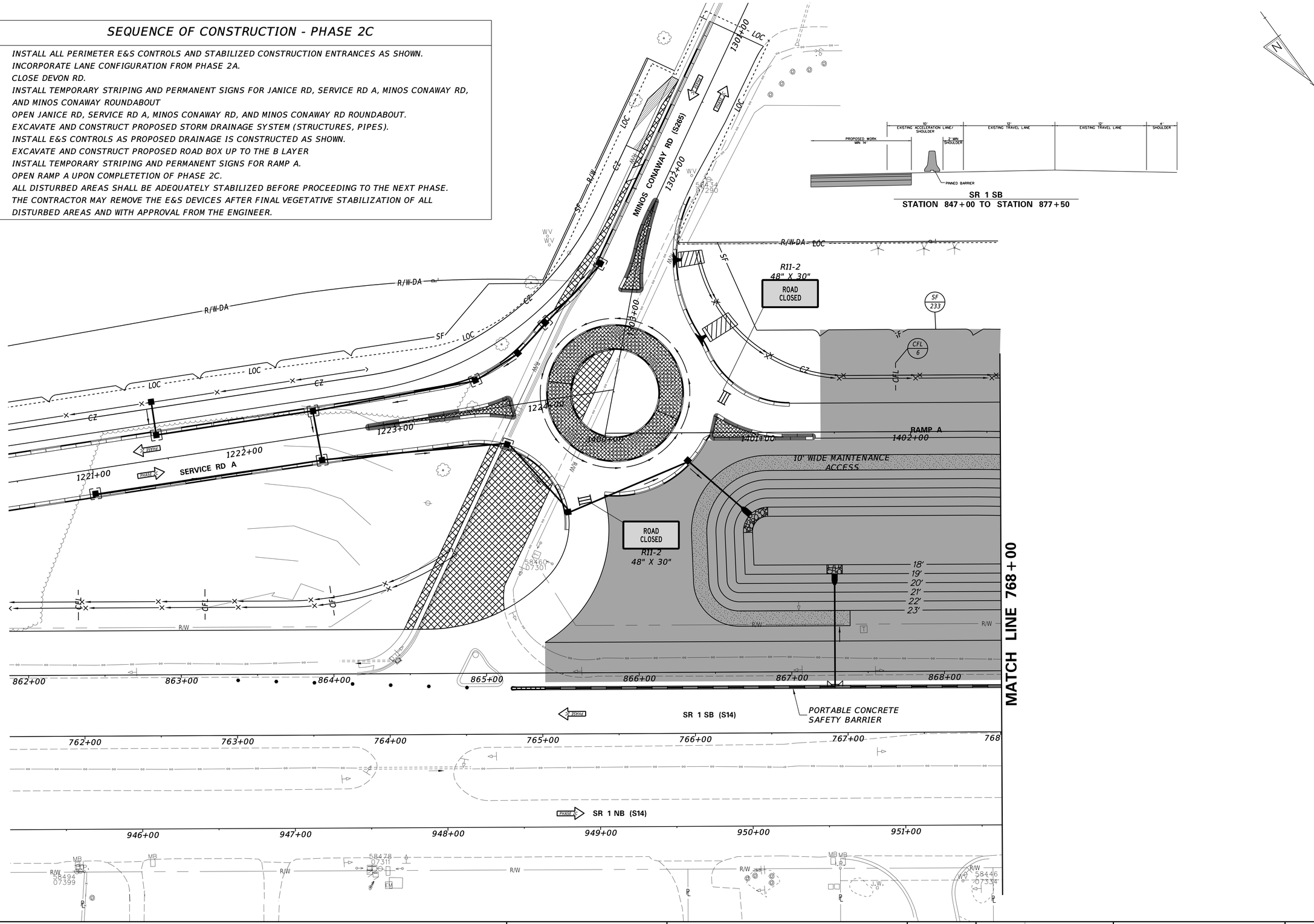


ADDENDA / REVISIONS	SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO. X	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 2B	SECTION
	0 30 60 90 FEET		T201612501	DESIGNED BY: N. RIGOLINO		PD
			COUNTY SUSSEX	CHECKED BY: B. BEHRENS		SHEET NO. 147

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SEQUENCE OF CONSTRUCTION - PHASE 2C

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. INCORPORATE LANE CONFIGURATION FROM PHASE 2A.
3. CLOSE DEVON RD.
4. INSTALL TEMPORARY STRIPING AND PERMANENT SIGNS FOR JANICE RD, SERVICE RD A, MINOS CONAWAY RD, AND MINOS CONAWAY ROUNDABOUT
5. OPEN JANICE RD, SERVICE RD A, MINOS CONAWAY RD, AND MINOS CONAWAY RD ROUNDABOUT.
6. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
7. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
8. INSTALL TEMPORARY STRIPING AND PERMANENT SIGNS FOR RAMP A.
9. OPEN RAMP A UPON COMPLETETION OF PHASE 2C.
10. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.

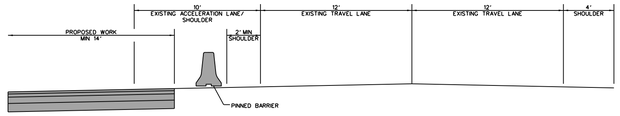


ADDENDA / REVISIONS	SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO.	X	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 2C	SECTION
	0 30 60 90 FEET		T201612501	DESIGNED BY: N. RIGOLINO			PD
			COUNTY	CHECKED BY: B. BEHRENS			SHEET NO.
			SUSSEX				148

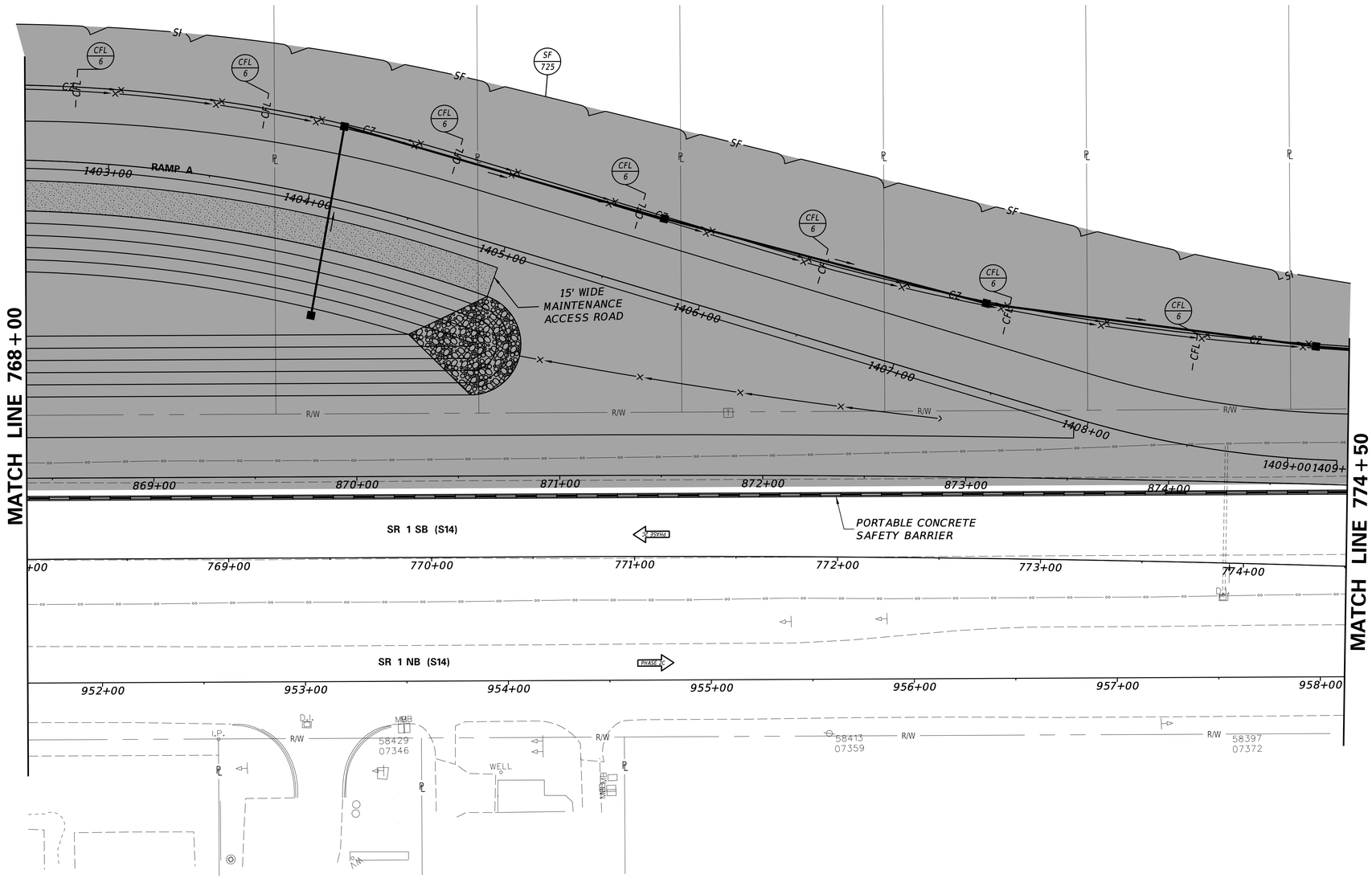
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SEQUENCE OF CONSTRUCTION - PHASE 2C

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. INCORPORATE LANE CONFIGURATION FROM PHASE 2A.
3. CLOSE DEVON RD.
4. INSTALL TEMPORARY STRIPING AND PERMANENT SIGNS FOR JANICE RD, SERVICE RD A, MINOS CONAWAY RD, AND MINOS CONAWAY ROUNDABOUT
5. OPEN JANICE RD, SERVICE RD A, MINOS CONAWAY RD, AND MINOS CONAWAY RD ROUNDABOUT.
6. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
7. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
8. INSTALL TEMPORARY STRIPING AND PERMANENT SIGNS FOR RAMP A.
9. OPEN RAMP A UPON COMPLETETION OF PHASE 2C.
10. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.



SR 1 SB
STATION 847+00 TO STATION 877+50

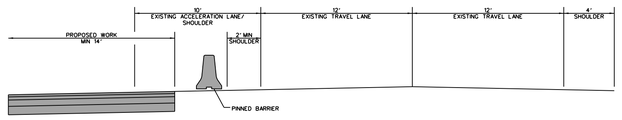


ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 2C	SECTION PD
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SHEET NO. 149
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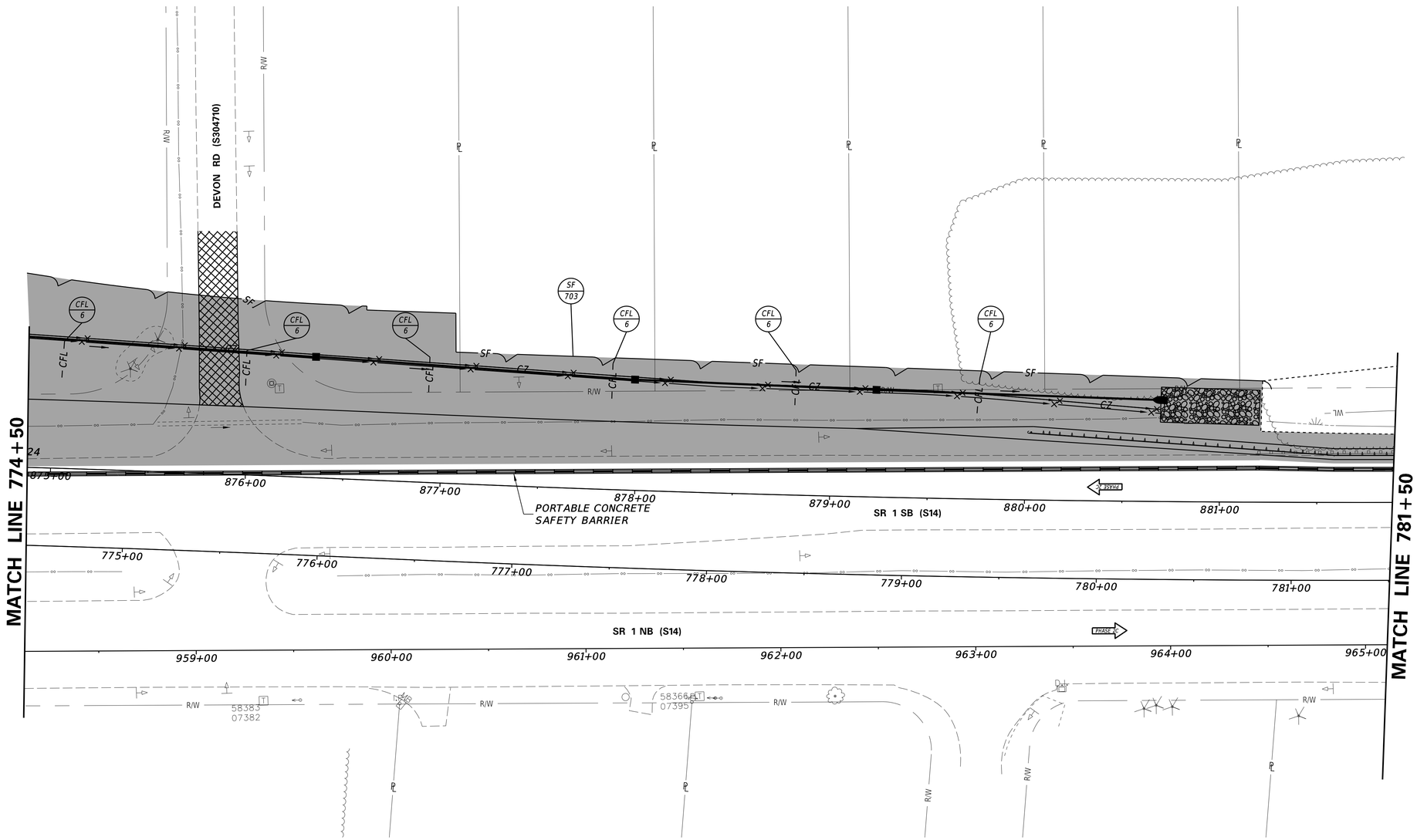
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SEQUENCE OF CONSTRUCTION - PHASE 2C

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. INCORPORATE LANE CONFIGURATION FROM PHASE 2A.
3. CLOSE DEVON RD.
4. INSTALL TEMPORARY STRIPING AND PERMANENT SIGNS FOR JANICE RD, SERVICE RD A, MINOS CONAWAY RD, AND MINOS CONAWAY ROUNDABOUT
5. OPEN JANICE RD, SERVICE RD A, MINOS CONAWAY RD, AND MINOS CONAWAY RD ROUNDABOUT.
6. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
7. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
8. INSTALL TEMPORARY STRIPING AND PERMANENT SIGNS FOR RAMP A.
9. OPEN RAMP A UPON COMPLETETION OF PHASE 2C.
10. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.



SR 1 SB
STATION 847+00 TO STATION 877+50

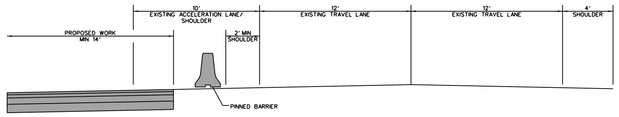


ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 2C	SECTION PD
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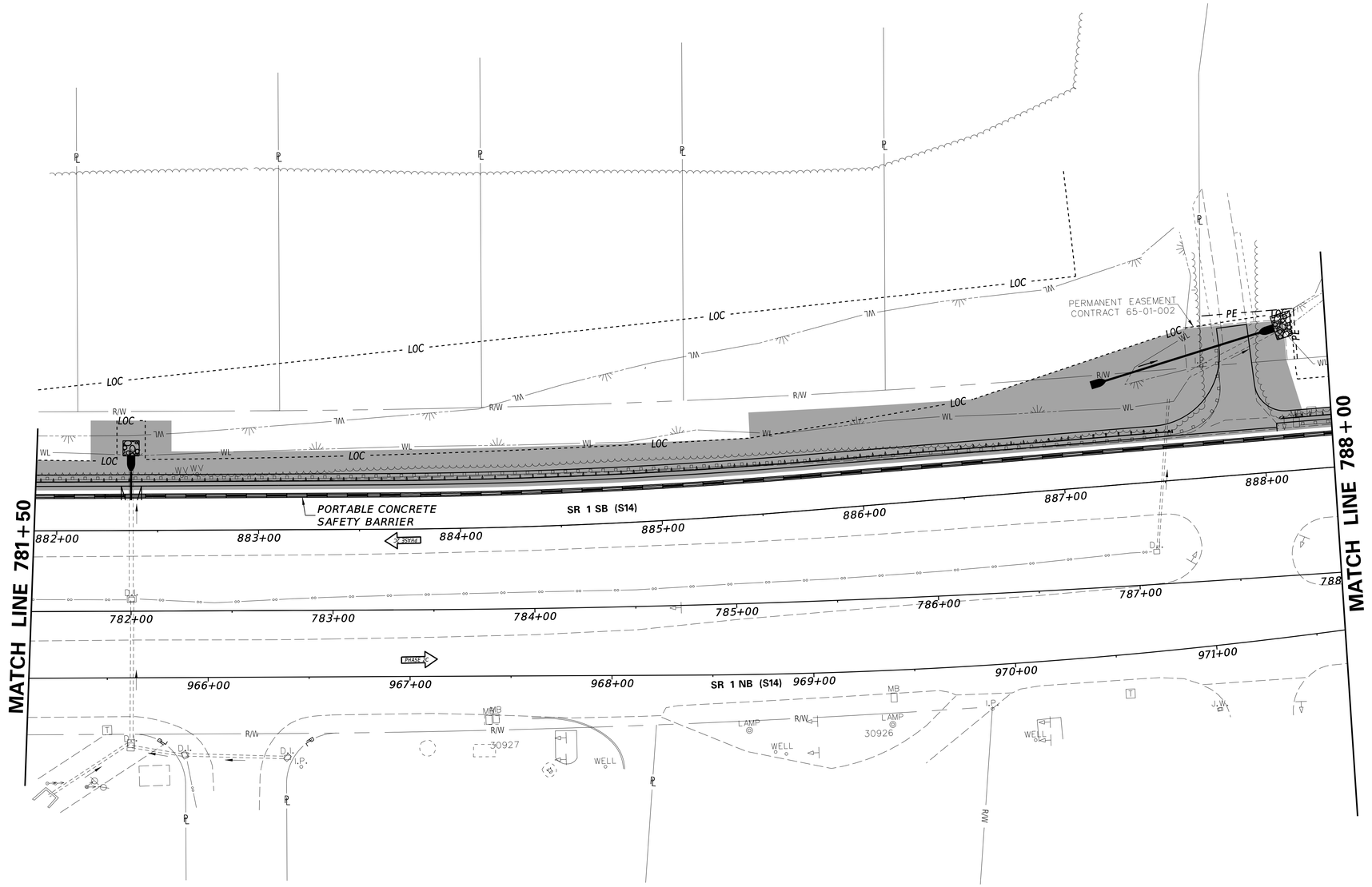
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SEQUENCE OF CONSTRUCTION - PHASE 2C

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. INCORPORATE LANE CONFIGURATION FROM PHASE 2A.
3. CLOSE DEVON RD.
4. INSTALL TEMPORARY STRIPING AND PERMANENT SIGNS FOR JANICE RD, SERVICE RD A, MINOS CONAWAY RD, AND MINOS CONAWAY ROUNDABOUT
5. OPEN JANICE RD, SERVICE RD A, MINOS CONAWAY RD, AND MINOS CONAWAY RD ROUNDABOUT.
6. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
7. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
8. INSTALL TEMPORARY STRIPING AND PERMANENT SIGNS FOR RAMP A.
9. OPEN RAMP A UPON COMPLETETION OF PHASE 2C.
10. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.



SR 1 SB
STATION 847+00 TO STATION 877+50

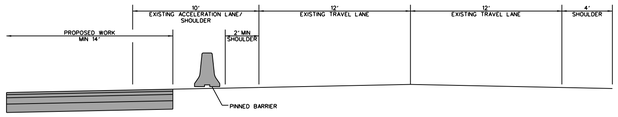


ADDENDA / REVISIONS	SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO.	X	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 2C	SECTION
	0 30 60 90 FEET		T201612501	DESIGNED BY: N. RIGOLINO			PD
			COUNTY	CHECKED BY: B. BEHRENS			SHEET NO.
			SUSSEX				151

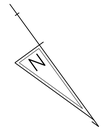
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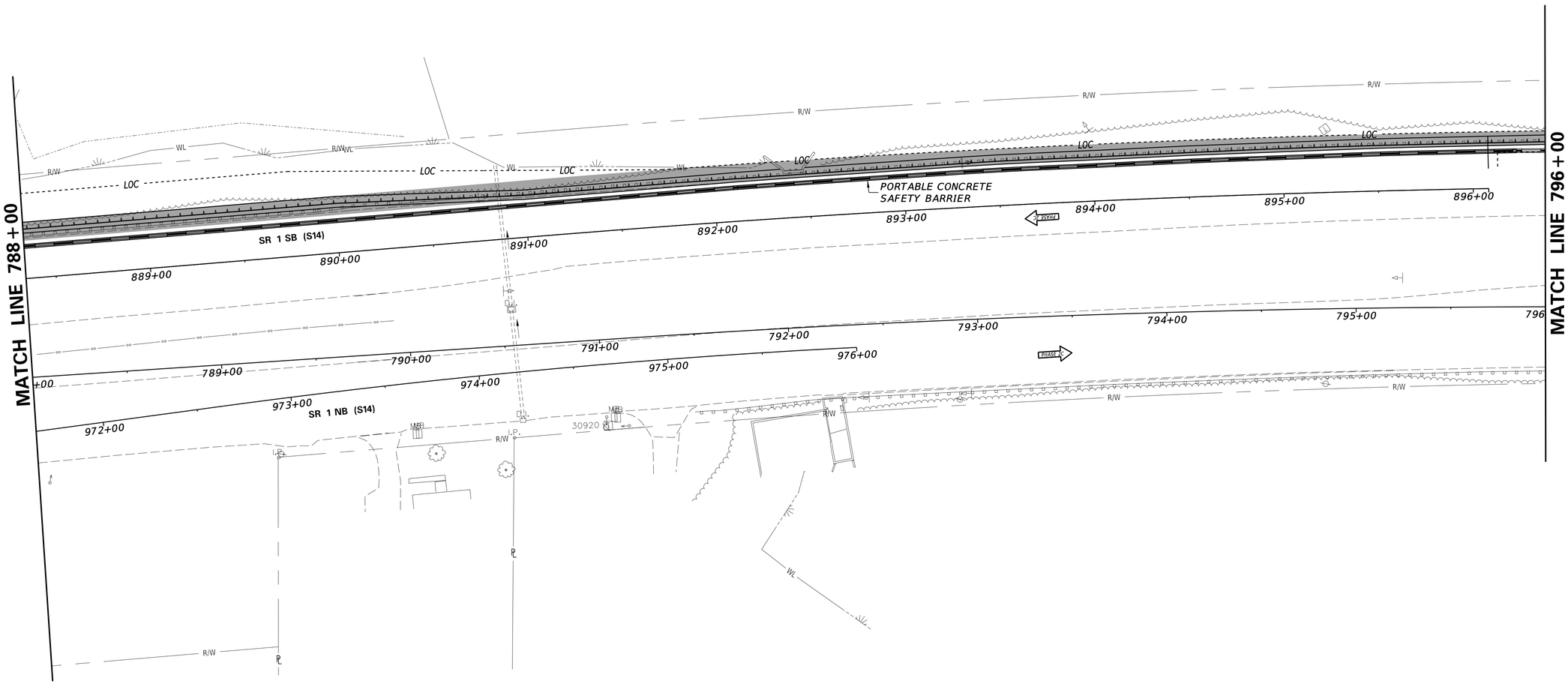
SEQUENCE OF CONSTRUCTION - PHASE 2C

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. INCORPORATE LANE CONFIGURATION FROM PHASE 2A.
3. CLOSE DEVON RD.
4. INSTALL TEMPORARY STRIPING AND PERMANENT SIGNS FOR JANICE RD, SERVICE RD A, MINOS CONAWAY RD, AND MINOS CONAWAY ROUNDABOUT
5. OPEN JANICE RD, SERVICE RD A, MINOS CONAWAY RD, AND MINOS CONAWAY RD ROUNDABOUT.
6. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
7. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
8. INSTALL TEMPORARY STRIPING AND PERMANENT SIGNS FOR RAMP A.
9. OPEN RAMP A UPON COMPLETETION OF PHASE 2C.
10. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.



SR 1 SB
STATION 847+00 TO STATION 877+50



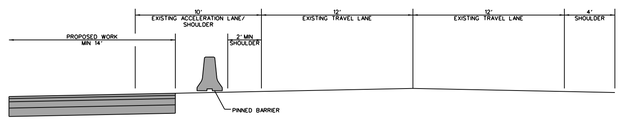


ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 2C	SECTION PD
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SHEET NO. 152
					CHECKED BY: B. BEHRENS		

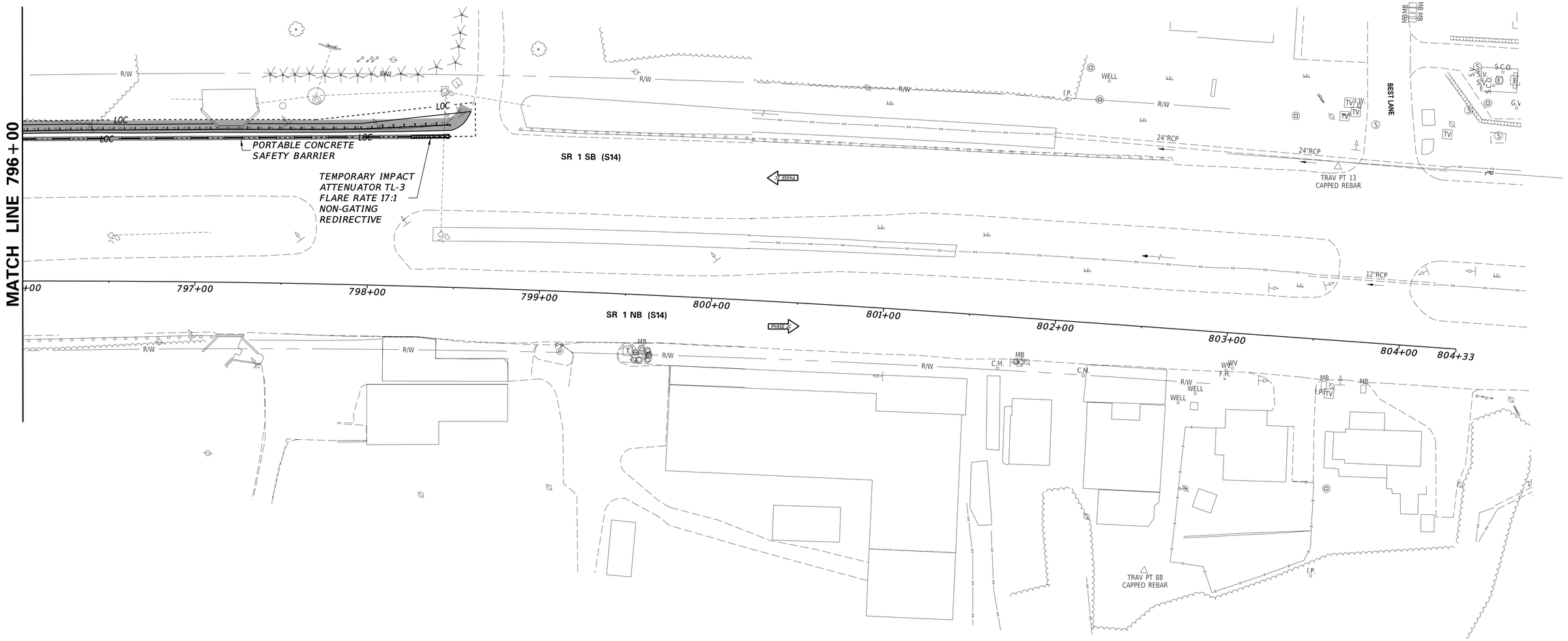
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SEQUENCE OF CONSTRUCTION - PHASE 2C

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. INCORPORATE LANE CONFIGURATION FROM PHASE 2A.
3. CLOSE DEVON RD.
4. INSTALL TEMPORARY STRIPING AND PERMANENT SIGNS FOR JANICE RD, SERVICE RD A, MINOS CONAWAY RD, AND MINOS CONAWAY ROUNDABOUT
5. OPEN JANICE RD, SERVICE RD A, MINOS CONAWAY RD, AND MINOS CONAWAY RD ROUNDABOUT.
6. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
7. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
8. INSTALL TEMPORARY STRIPING AND PERMANENT SIGNS FOR RAMP A.
9. OPEN RAMP A UPON COMPLETETION OF PHASE 2C.
10. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.



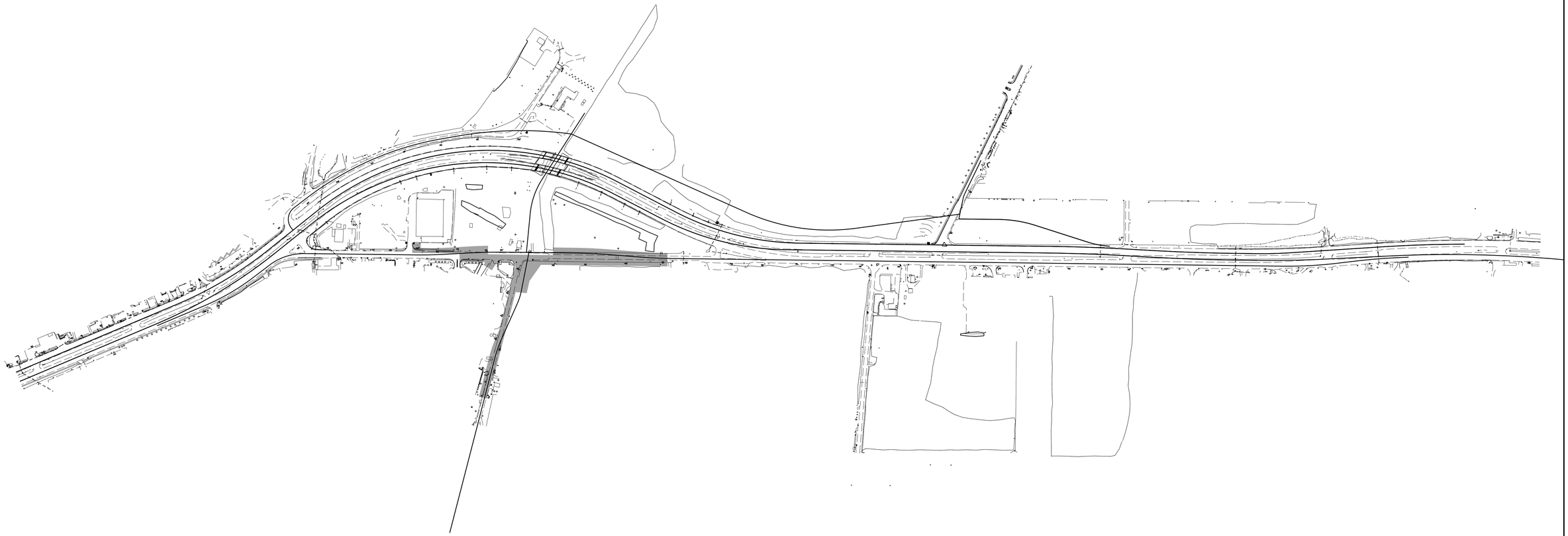
SR 1 SB
STATION 847+00 TO STATION 877+50



ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. 3–719	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 2C	SECTION PD
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SHEET NO. 153
					CHECKED BY: B. BEHRENS		

SEQUENCE OF CONSTRUCTION - PHASE 3

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. INCORPORATE DETOUR ON NASSAU RD AND NEW RD.
3. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
4. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
5. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.



ADDENDA / REVISIONS	

SCALE
0 300 600 900
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

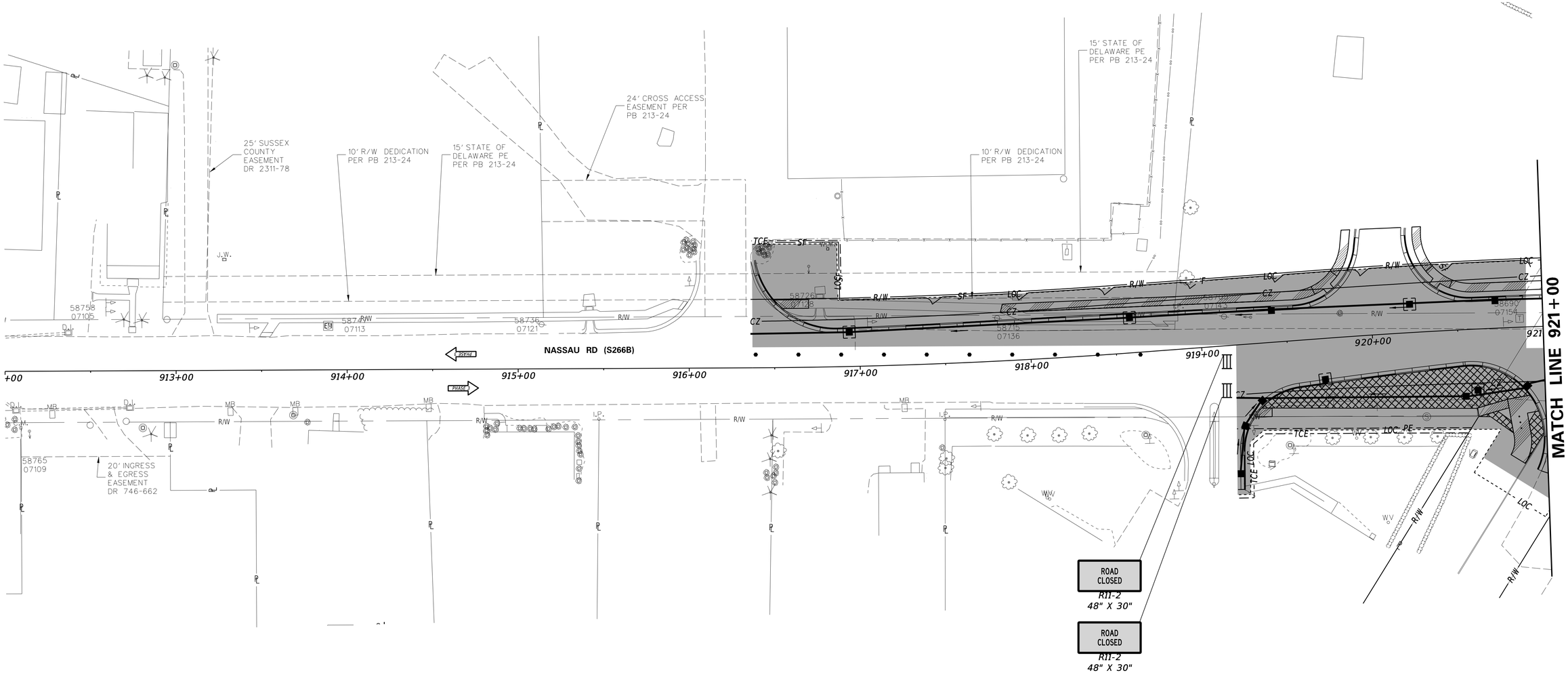
CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 3

SECTION	
PD	
SHEET NO.	
154	

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SEQUENCE OF CONSTRUCTION - PHASE 3

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. INCORPORATE DETOUR ON NASSAU RD AND NEW RD.
3. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
4. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
5. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.

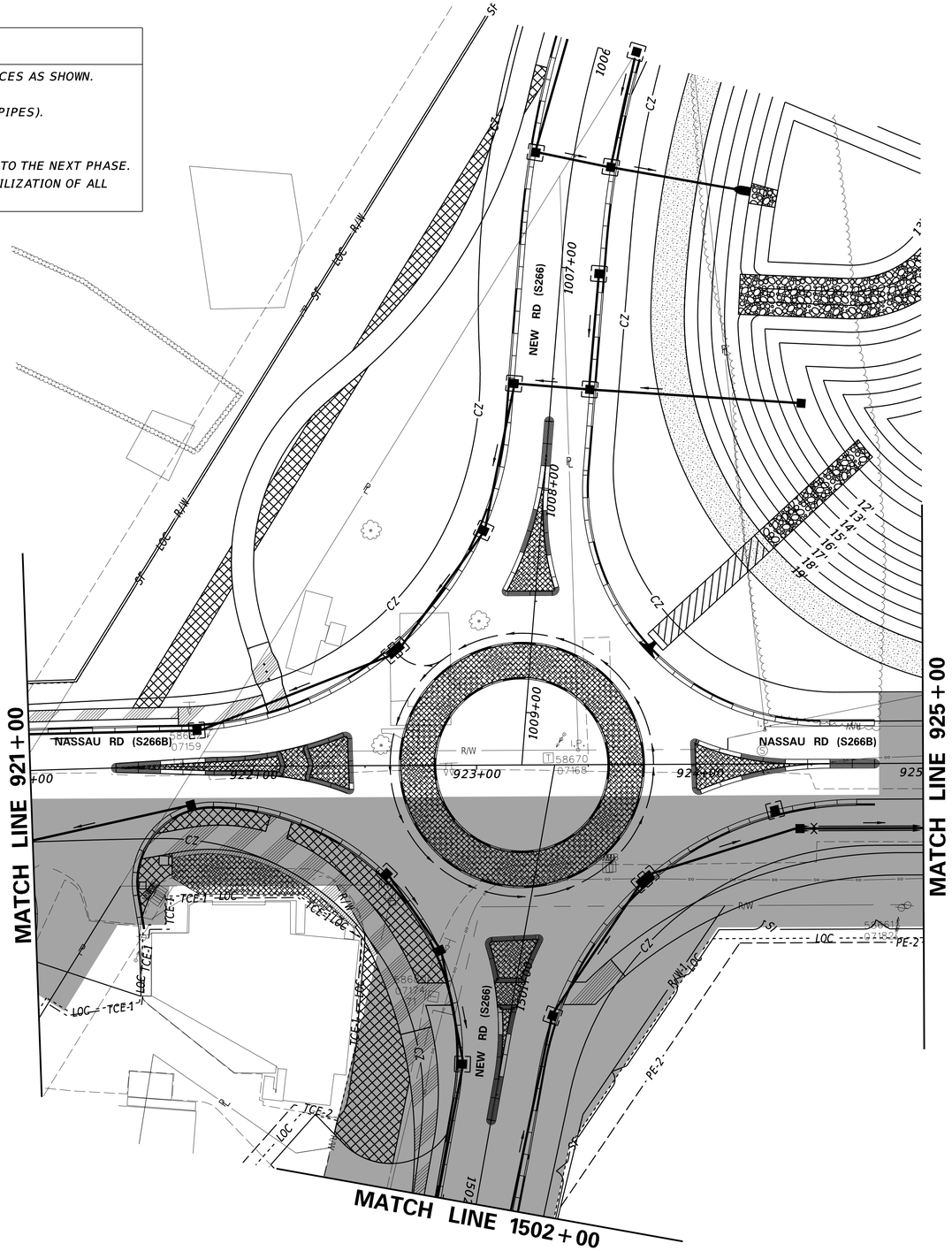


ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 3	SECTION PD
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SHEET NO. 155
					CHECKED BY: B. BEHRENS		

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SEQUENCE OF CONSTRUCTION - PHASE 3

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. INCORPORATE DETOUR ON NASSAU RD AND NEW RD.
3. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
4. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
5. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.

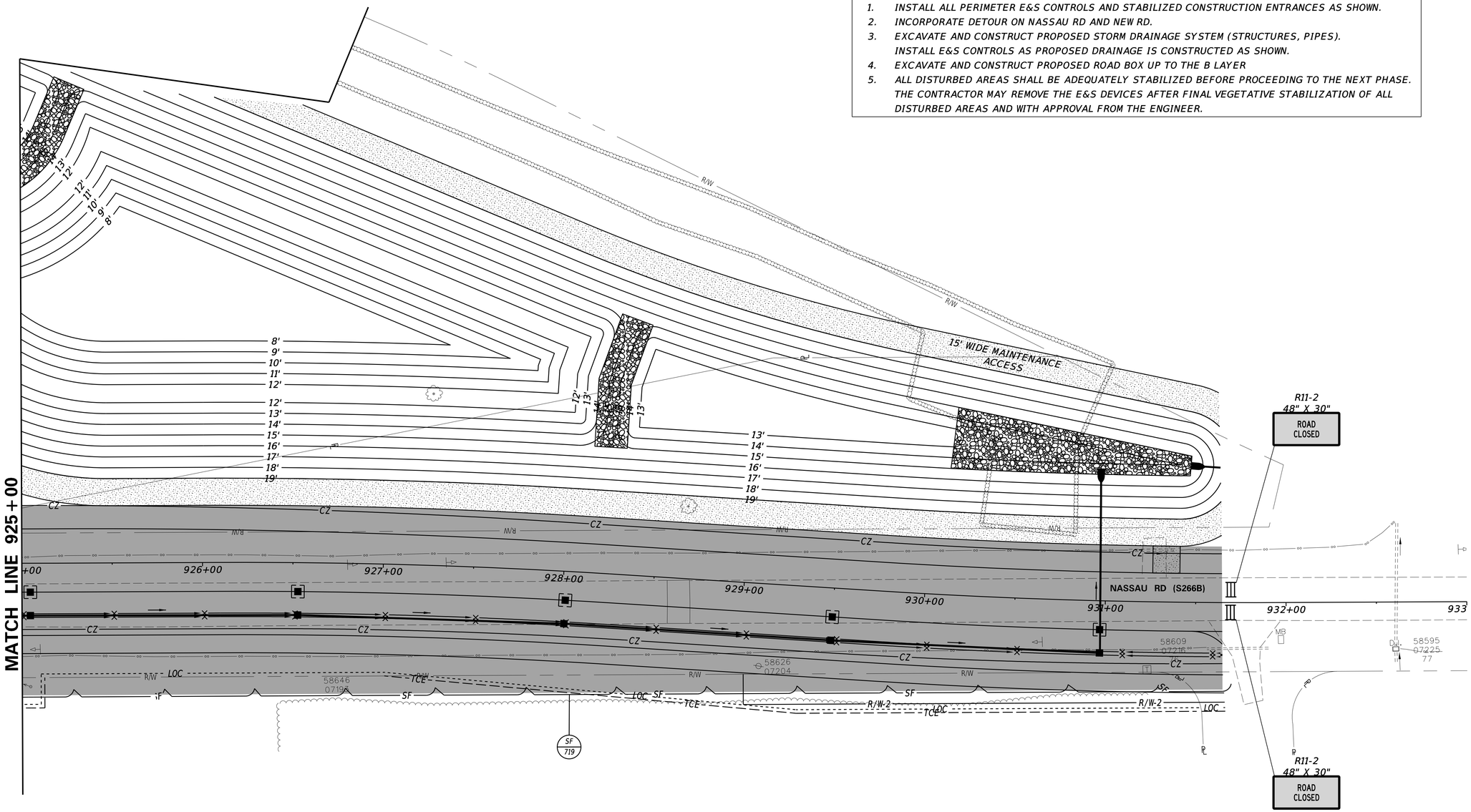


ADDENDA / REVISIONS	SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO.	X	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 3	SECTION
	0 30 60 90 FEET		T201612501	DESIGNED BY: N. RIGOLINO			PD
			COUNTY	CHECKED BY: B. BEHRENS			SHEET NO.
			SUSSEX				156

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SEQUENCE OF CONSTRUCTION - PHASE 3

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. INCORPORATE DETOUR ON NASSAU RD AND NEW RD.
3. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
4. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
5. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.

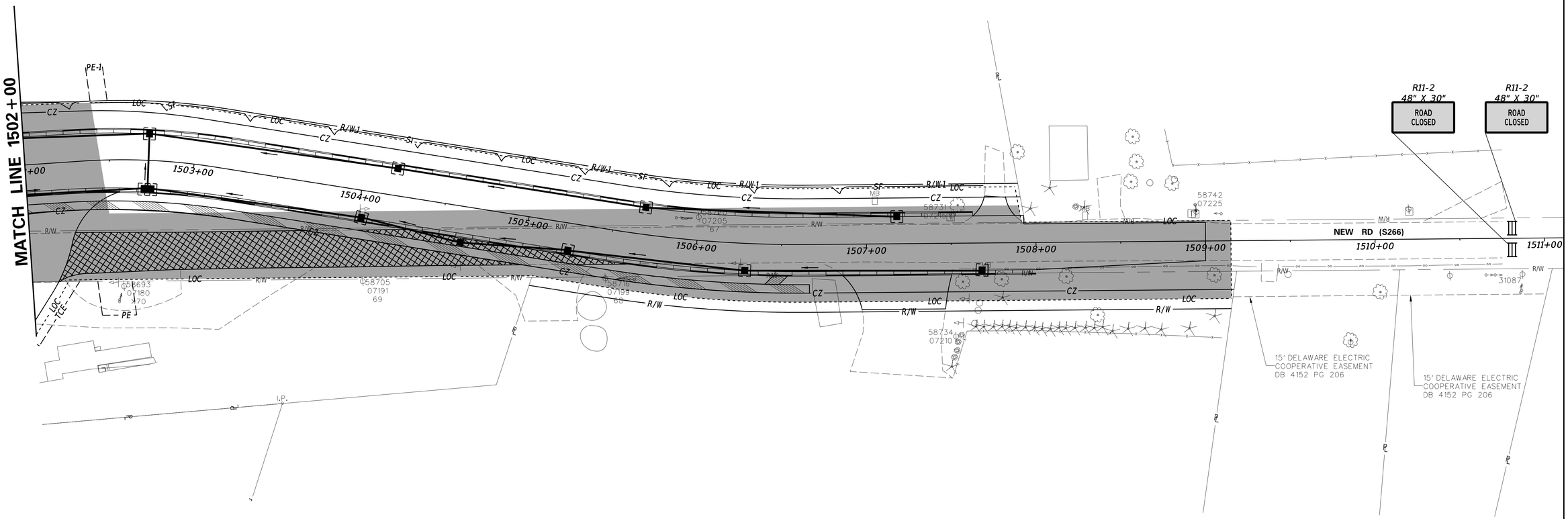


ADDENDA / REVISIONS	SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO. X	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 3	SECTION
	0 30 60 90 FEET		T201612501	DESIGNED BY: N. RIGOLINO		PD
			COUNTY	CHECKED BY: B. BEHRENS		SHEET NO.
			SUSSEX			157

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SEQUENCE OF CONSTRUCTION - PHASE 3

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. INCORPORATE DETOUR ON NASSAU RD AND NEW RD.
3. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
4. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
5. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.

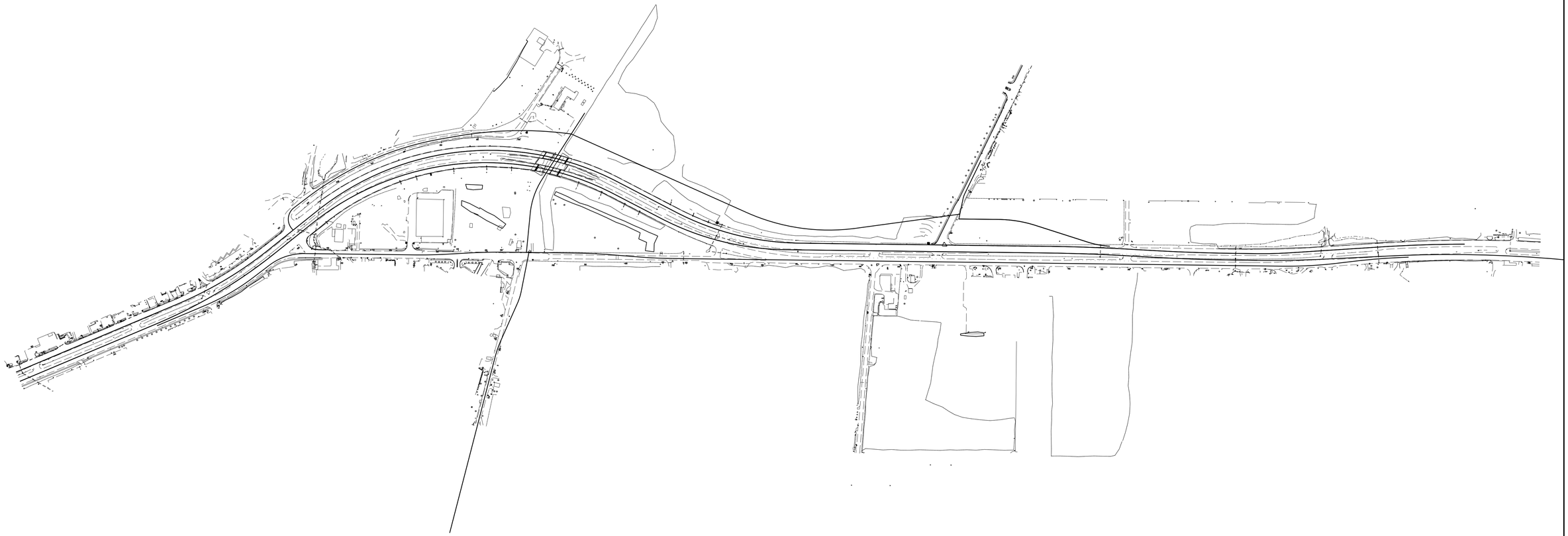


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ADDENDA / REVISIONS	SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO.	X	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 3	SECTION
	0 30 60 90		T201612501	DESIGNED BY: N. RIGOLINO			PD
	FEET		COUNTY	CHECKED BY: B. BEHRENS			SHEET NO.
			SUSSEX				158

SEQUENCE OF CONSTRUCTION - PHASE 4

1. CLOSE ALL CROSSOVERS WITHIN THE PROJECT LIMITS ACCORDING PHASE 4 MOT PLANS.
2. REMOVE FLASHING SIGNAL AT TULIP DR
3. REMOVE FIRE SIGNAL AT JANICE RD.
4. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.



ADDENDA / REVISIONS	

SCALE
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FEET

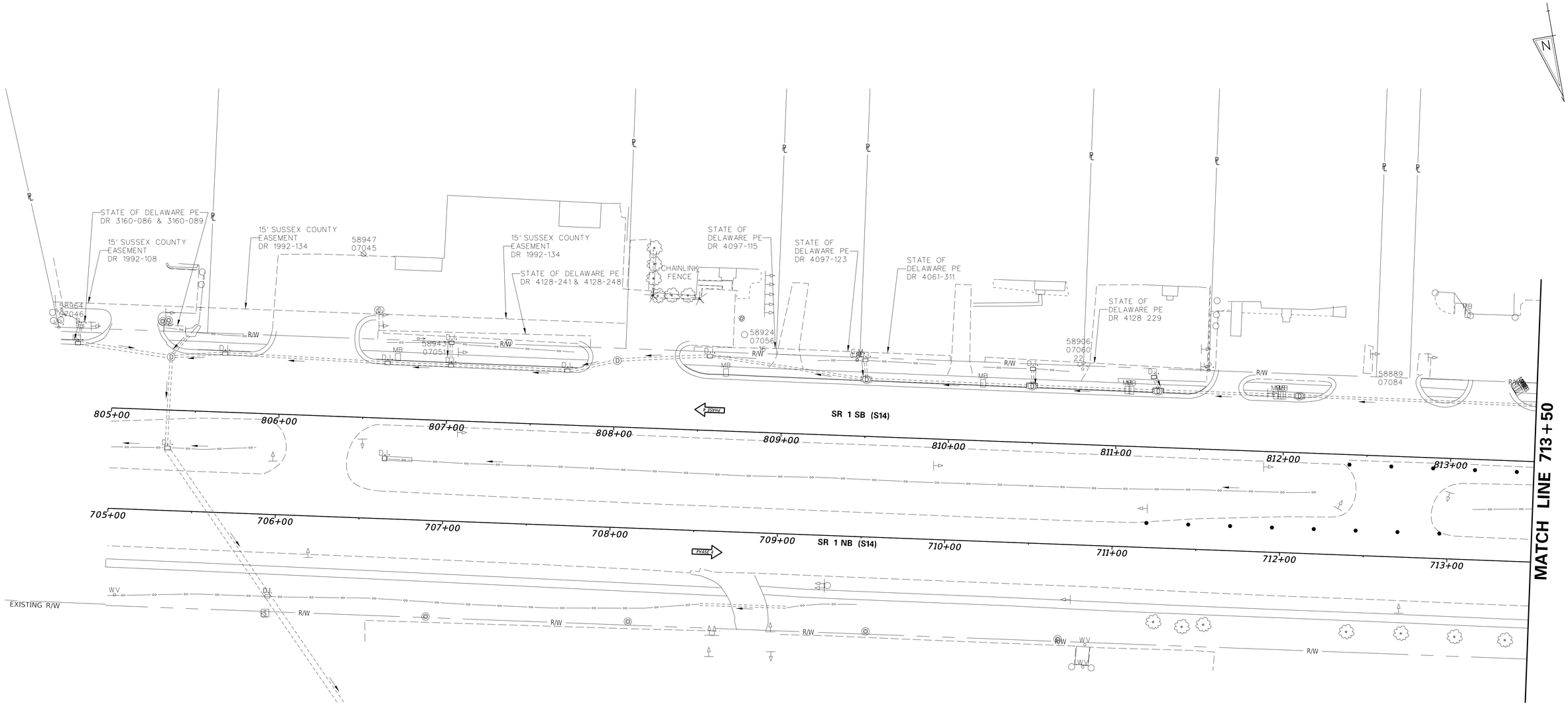
SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 4

SECTION	
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159	

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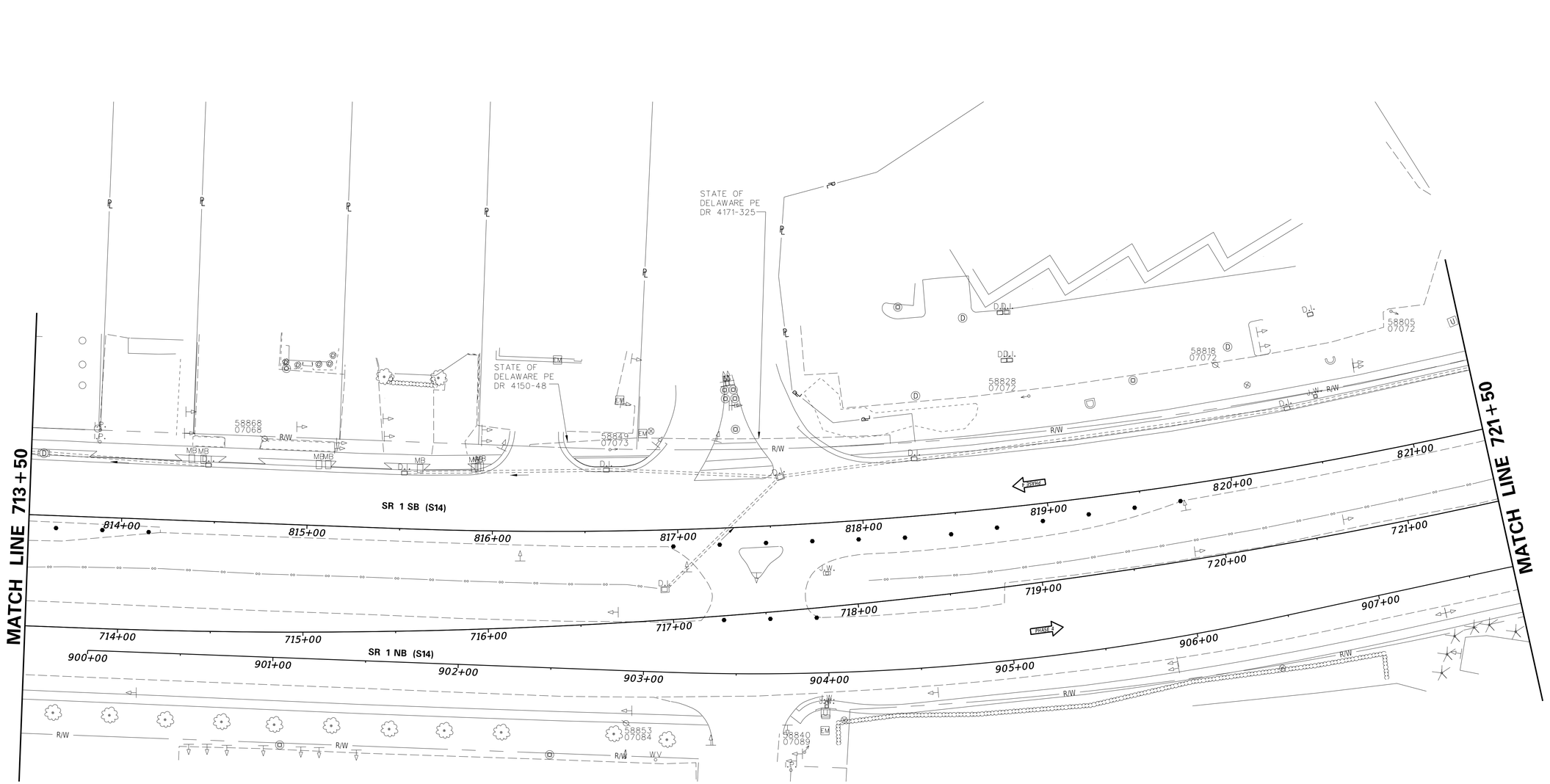


SEQUENCE OF CONSTRUCTION - PHASE 4

1. *CLOSE ALL CROSSOVERS WITHIN THE PROJECT LIMITS ACCORDING PHASE 4 MOT PLANS.*
2. *REMOVE FLASHING SIGNAL AT TULIP DR*
3. *REMOVE FIRE SIGNAL AT JANICE RD.*
4. *ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.*

ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 4	SECTION PD
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SHEET NO. 160
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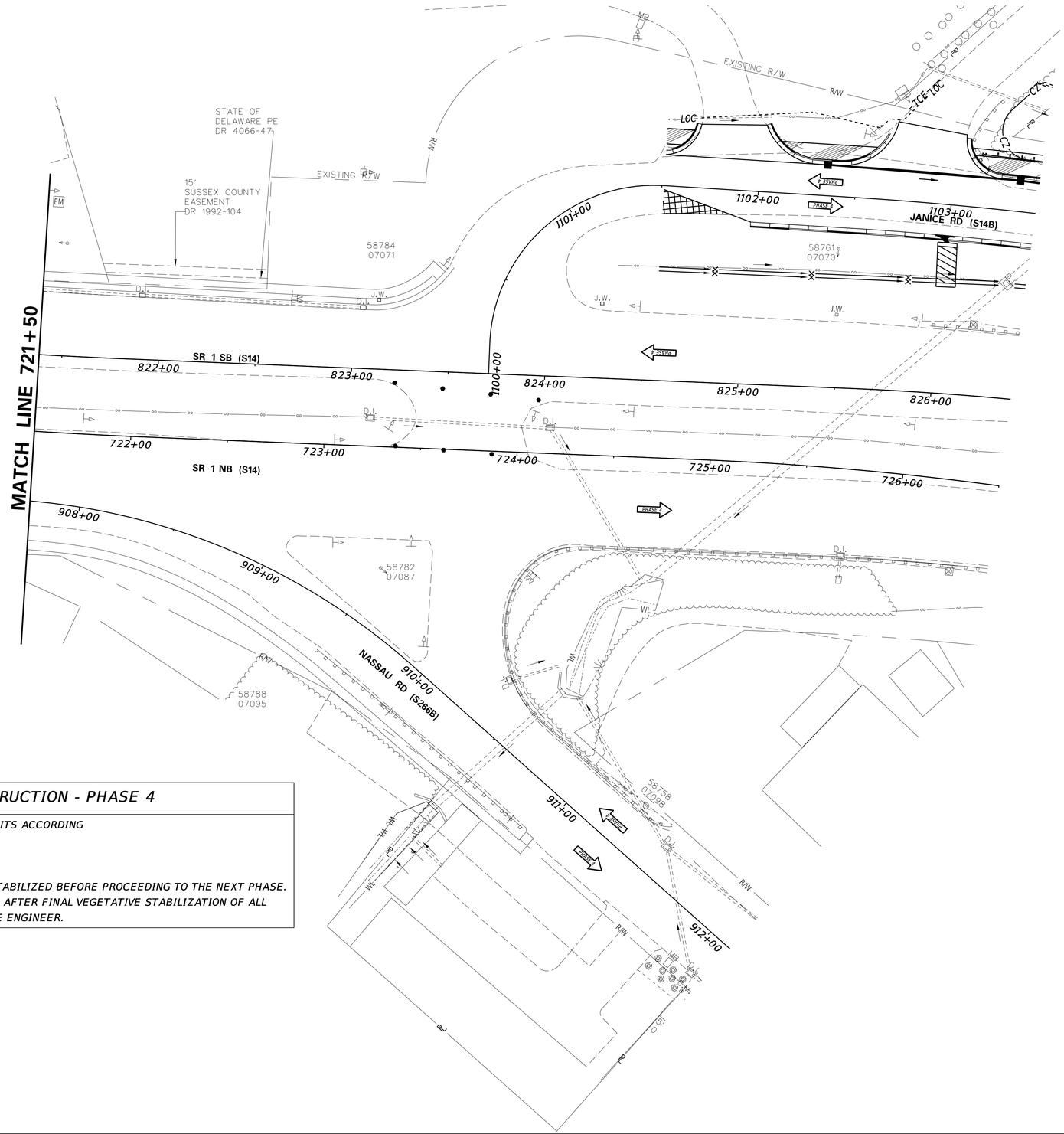


SEQUENCE OF CONSTRUCTION - PHASE 4

1. CLOSE ALL CROSSOVERS WITHIN THE PROJECT LIMITS ACCORDING PHASE 4 MOT PLANS.
2. REMOVE FLASHING SIGNAL AT TULIP DR
3. REMOVE FIRE SIGNAL AT JANICE RD.
4. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.

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ADDENDA / REVISIONS	SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO.	X	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 4	SECTION
	0 30 60 90 FEET		T201612501	DESIGNED BY: N. RIGOLINO			PD
			COUNTY	CHECKED BY: B. BEHRENS			SHEET NO.
			SUSSEX				161



SEQUENCE OF CONSTRUCTION - PHASE 4

1. CLOSE ALL CROSSOVERS WITHIN THE PROJECT LIMITS ACCORDING PHASE 4 MOT PLANS.
2. REMOVE FLASHING SIGNAL AT TULIP DR
3. REMOVE FIRE SIGNAL AT JANICE RD.
4. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.

ADDENDA / REVISIONS	

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

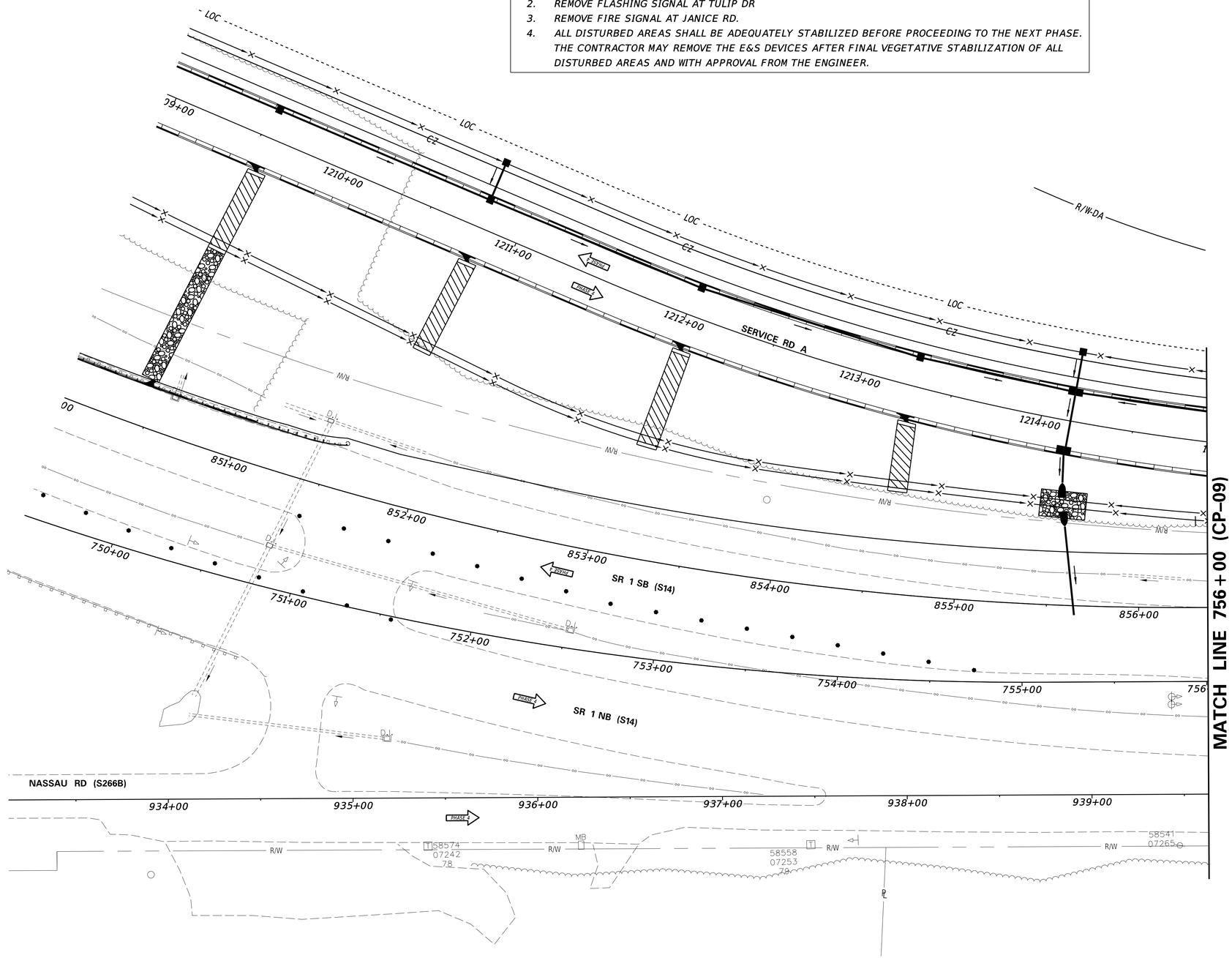
CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 4

SECTION	
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SHEET NO.	
162	

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SEQUENCE OF CONSTRUCTION - PHASE 4

1. CLOSE ALL CROSSOVERS WITHIN THE PROJECT LIMITS ACCORDING PHASE 4 MOT PLANS.
2. REMOVE FLASHING SIGNAL AT TULIP DR
3. REMOVE FIRE SIGNAL AT JANICE RD.
4. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.

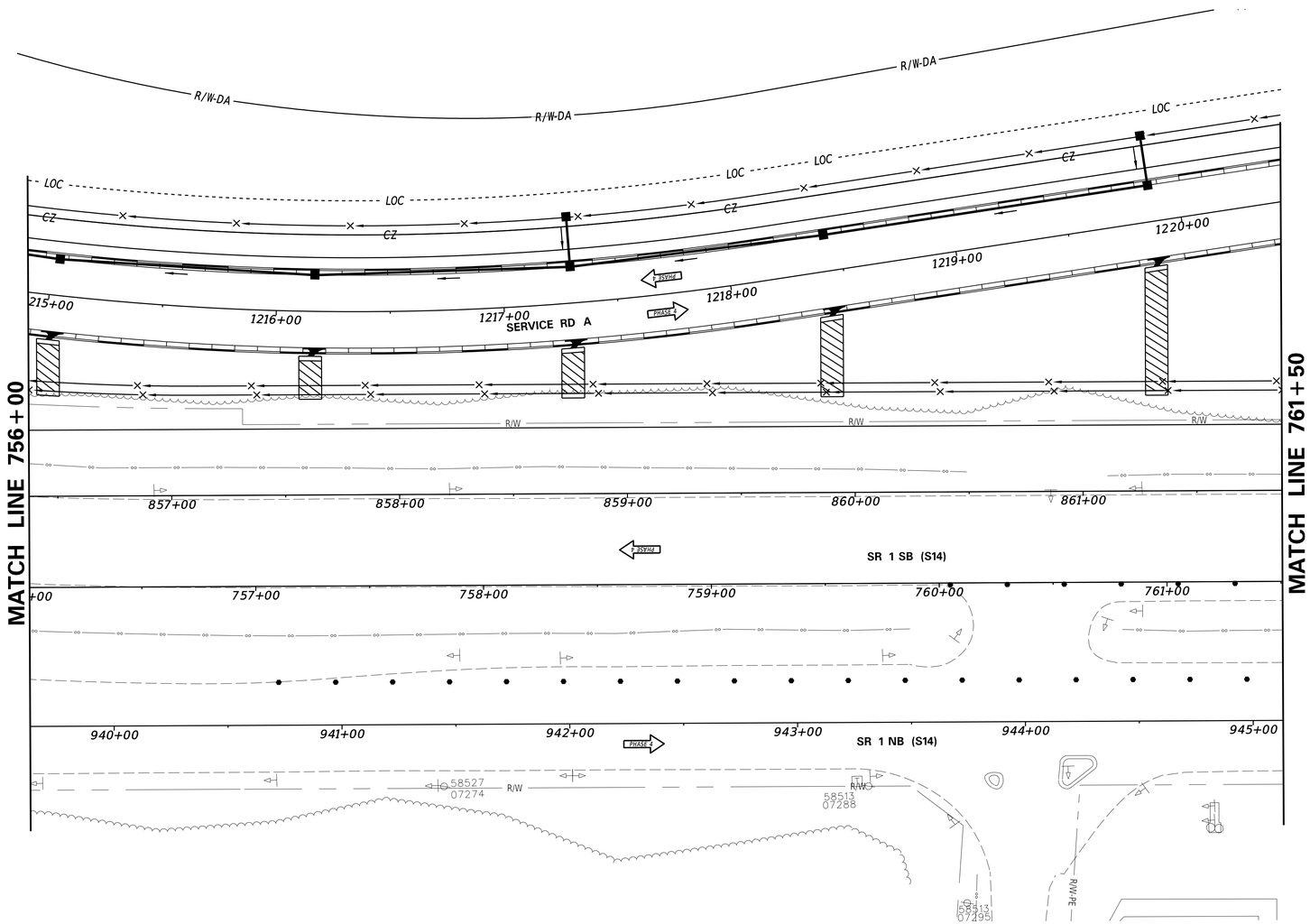


ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 4	SECTION PD
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SHEET NO. 163
					CHECKED BY: B. BEHRENS		

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SEQUENCE OF CONSTRUCTION - PHASE 4

1. CLOSE ALL CROSSOVERS WITHIN THE PROJECT LIMITS ACCORDING PHASE 4 MOT PLANS.
2. REMOVE FLASHING SIGNAL AT TULIP DR
3. REMOVE FIRE SIGNAL AT JANICE RD.
4. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.

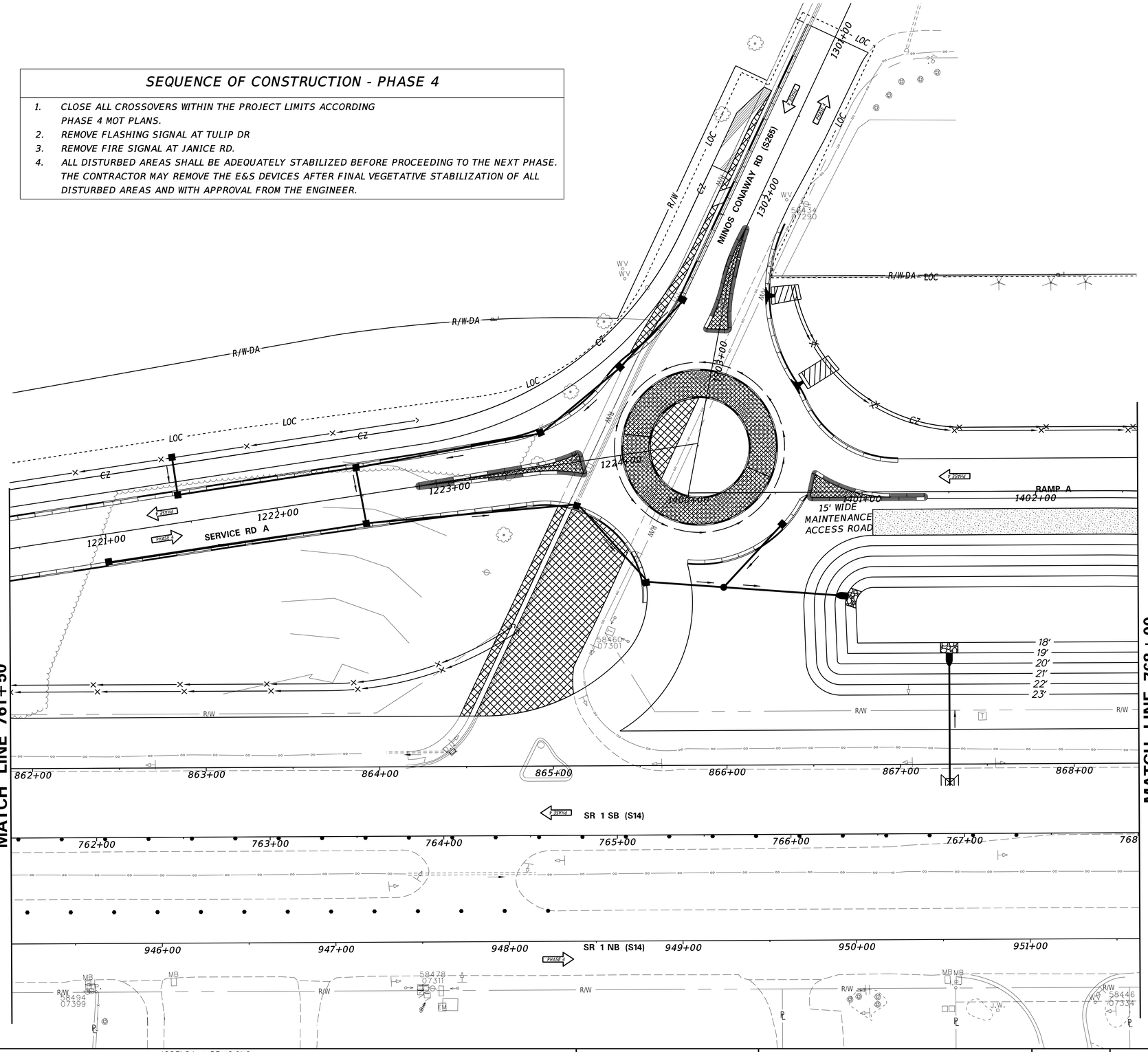


ADDENDA / REVISIONS	SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO.	X	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 4	SECTION
	0 30 60 90 FEET		T201612501	DESIGNED BY: N. RIGOLINO			PD
			COUNTY	CHECKED BY: B. BEHRENS			SHEET NO.
			SUSSEX				164

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SEQUENCE OF CONSTRUCTION - PHASE 4

1. CLOSE ALL CROSSOVERS WITHIN THE PROJECT LIMITS ACCORDING PHASE 4 MOT PLANS.
2. REMOVE FLASHING SIGNAL AT TULIP DR
3. REMOVE FIRE SIGNAL AT JANICE RD.
4. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.

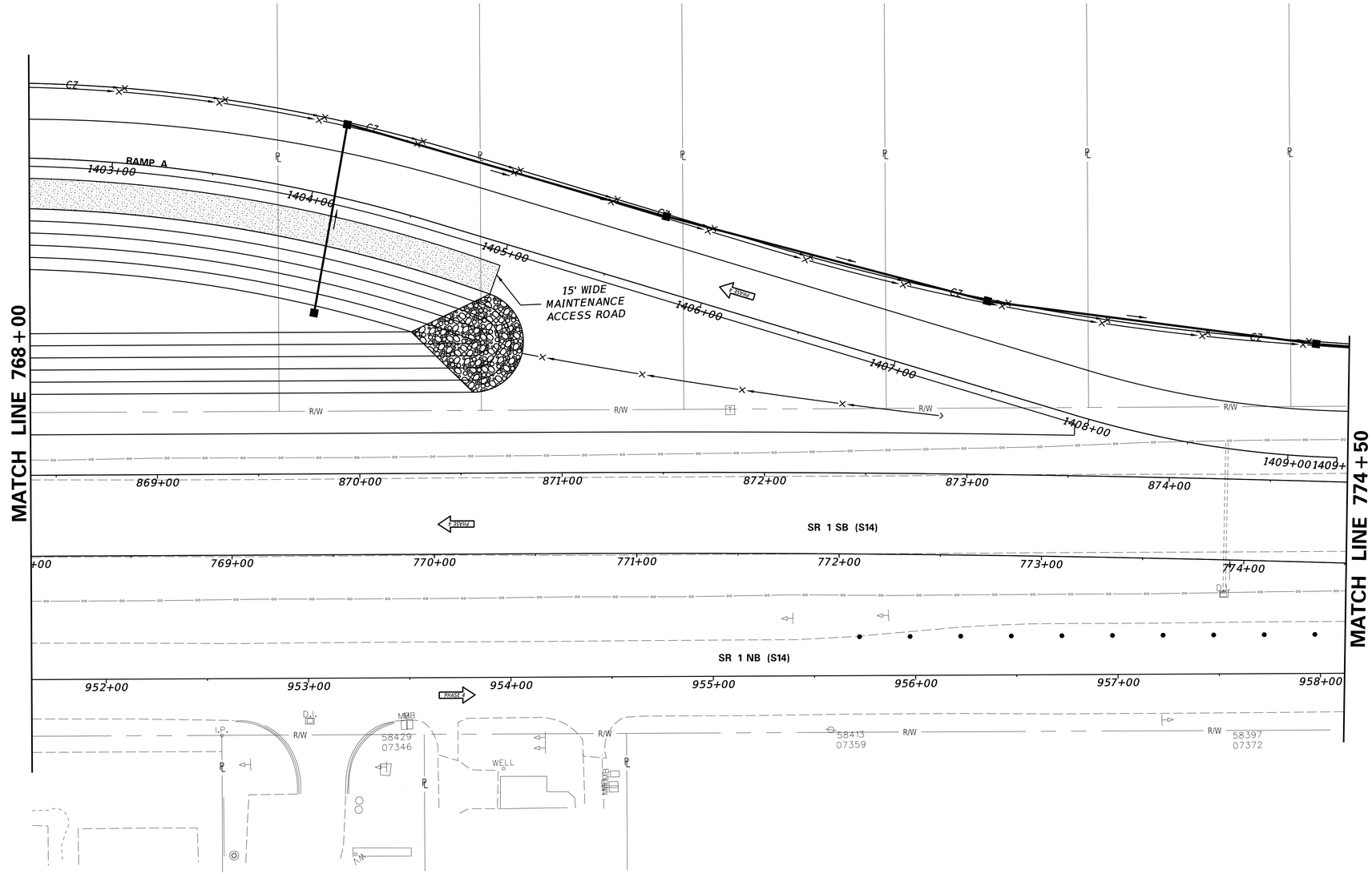


ADDENDA / REVISIONS	SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 4	SECTION PD
			COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SHEET NO. 165
				CHECKED BY: B. BEHRENS		

12-JUN-2024
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SEQUENCE OF CONSTRUCTION - PHASE 4

1. CLOSE ALL CROSSOVERS WITHIN THE PROJECT LIMITS ACCORDING PHASE 4 MOT PLANS.
2. REMOVE FLASHING SIGNAL AT TULIP DR
3. REMOVE FIRE SIGNAL AT JANICE RD.
4. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.

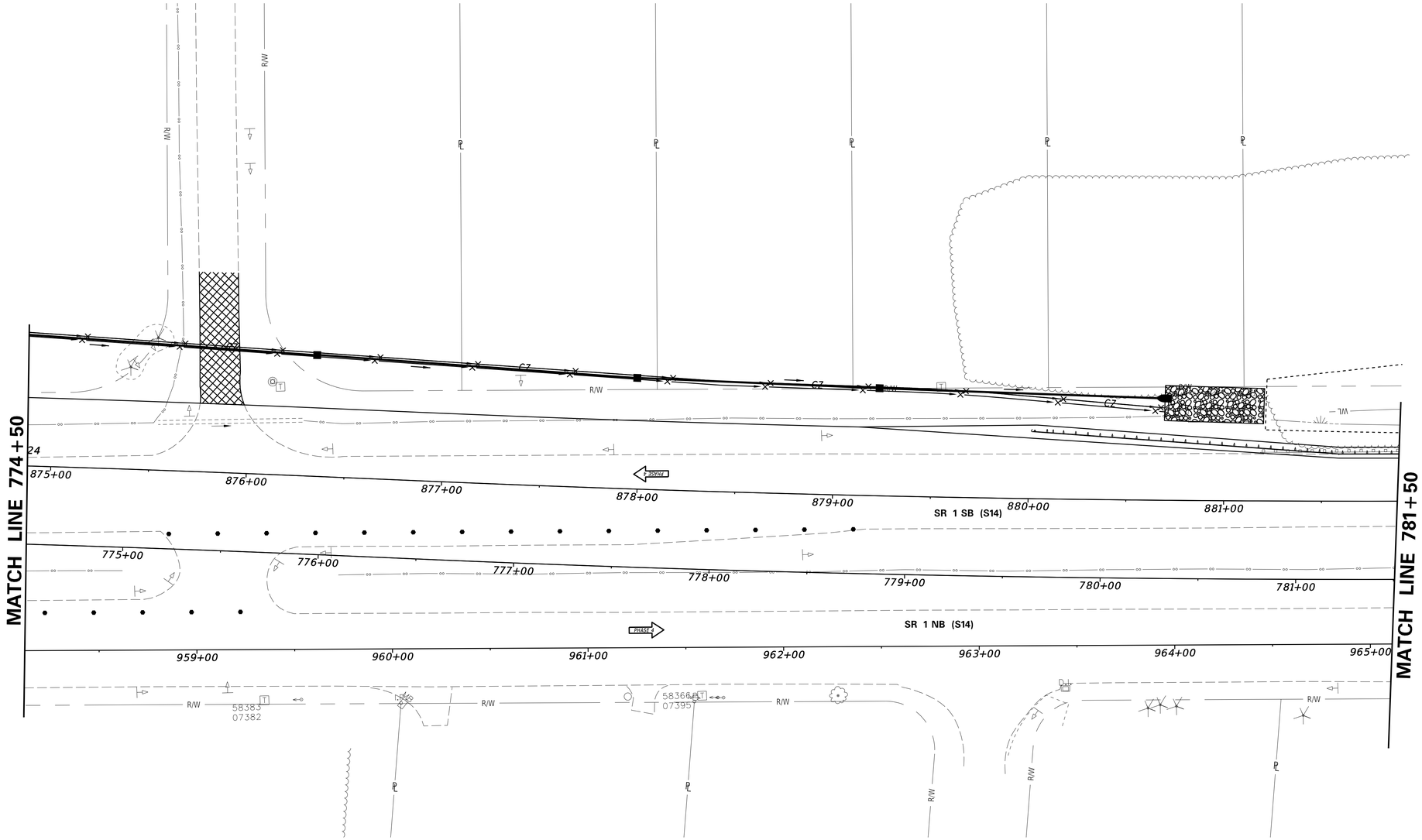


ADDENDA / REVISIONS	SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO.	X	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 4	SECTION
	0 30 60 90 FEET		T201612501	DESIGNED BY: N. RIGOLINO			PD
			COUNTY	CHECKED BY: B. BEHRENS			SHEET NO.
			SUSSEX				166

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SEQUENCE OF CONSTRUCTION - PHASE 4

1. CLOSE ALL CROSSOVERS WITHIN THE PROJECT LIMITS ACCORDING PHASE 4 MOT PLANS.
2. REMOVE FLASHING SIGNAL AT TULIP DR
3. REMOVE FIRE SIGNAL AT JANICE RD.
4. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.

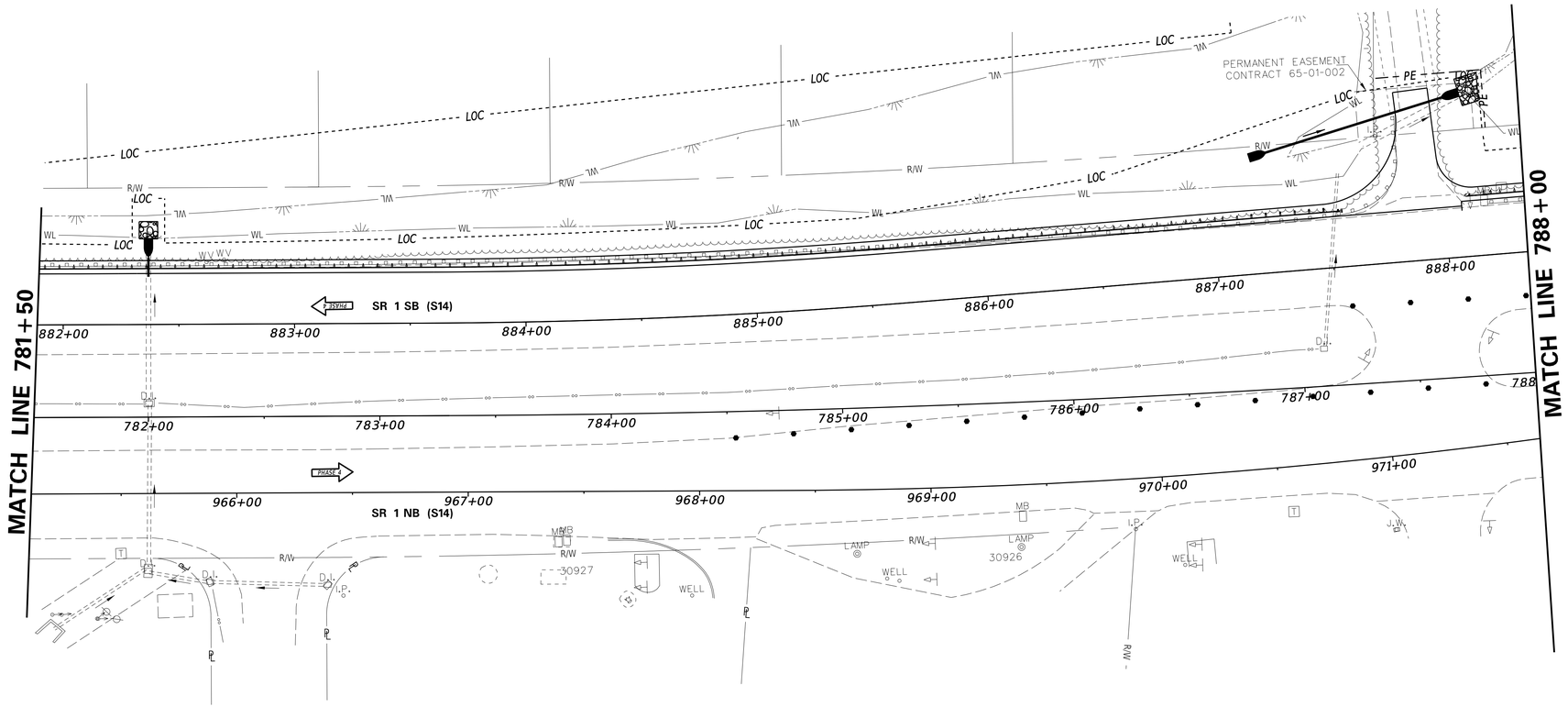


ADDENDA / REVISIONS	SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 4	SECTION PD
			COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SHEET NO. 167
				CHECKED BY: B. BEHRENS		

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SEQUENCE OF CONSTRUCTION - PHASE 4

1. CLOSE ALL CROSSOVERS WITHIN THE PROJECT LIMITS ACCORDING PHASE 4 MOT PLANS.
2. REMOVE FLASHING SIGNAL AT TULIP DR
3. REMOVE FIRE SIGNAL AT JANICE RD.
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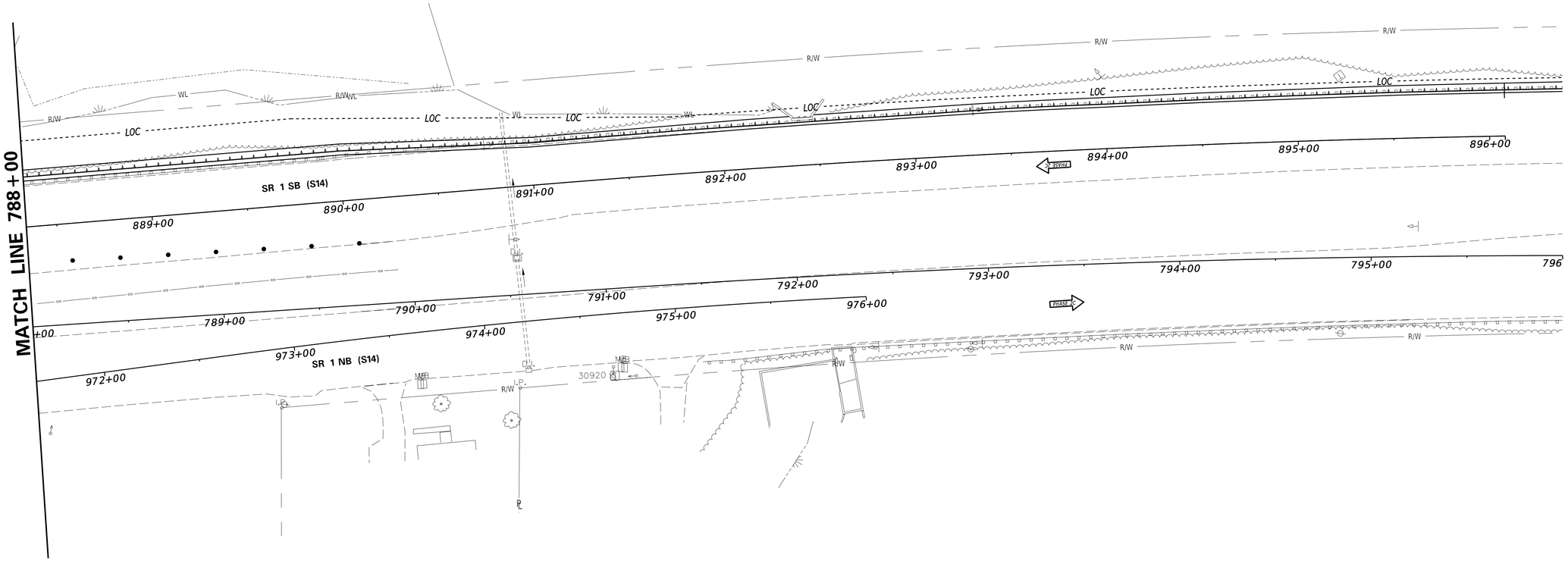


ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 4	SECTION PD
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SHEET NO. 168
					CHECKED BY: B. BEHRENS		

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SEQUENCE OF CONSTRUCTION - PHASE 4

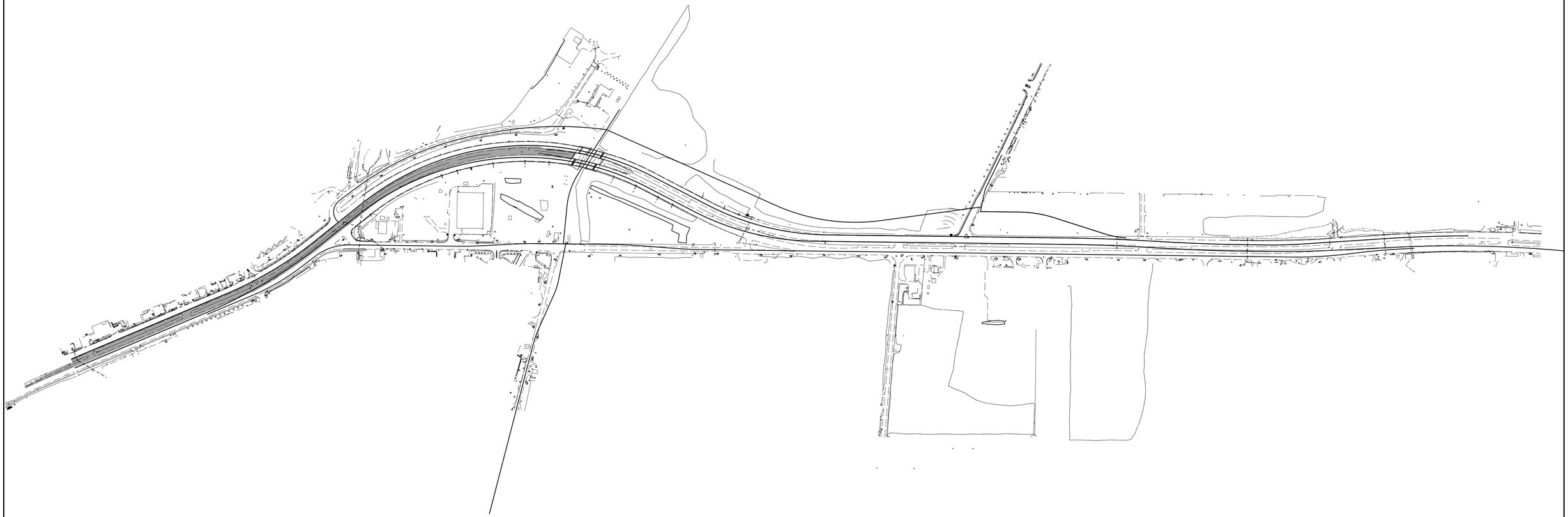
1. CLOSE ALL CROSSOVERS WITHIN THE PROJECT LIMITS ACCORDING PHASE 4 MOT PLANS.
2. REMOVE FLASHING SIGNAL AT TULIP DR
3. REMOVE FIRE SIGNAL AT JANICE RD.
4. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.



SEQUENCE OF CONSTRUCTION - PHASE 5

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. SHIFT TRAFFIC ON SR 1 UNDER TA-36.
2. INSTALL TEMPORARY PCC SAFETY BARRIER.
4. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
5. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
6. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.

* PHASE 5 CAN BE CONCURRENT WITH PHASE 8



ADDENDA / REVISIONS	

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FEET

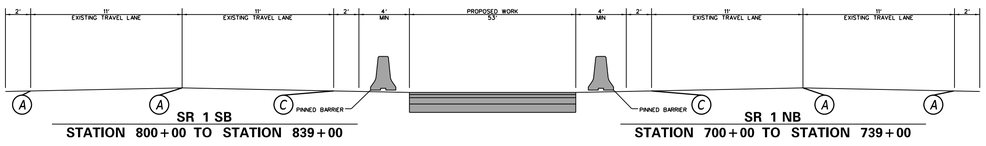
SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

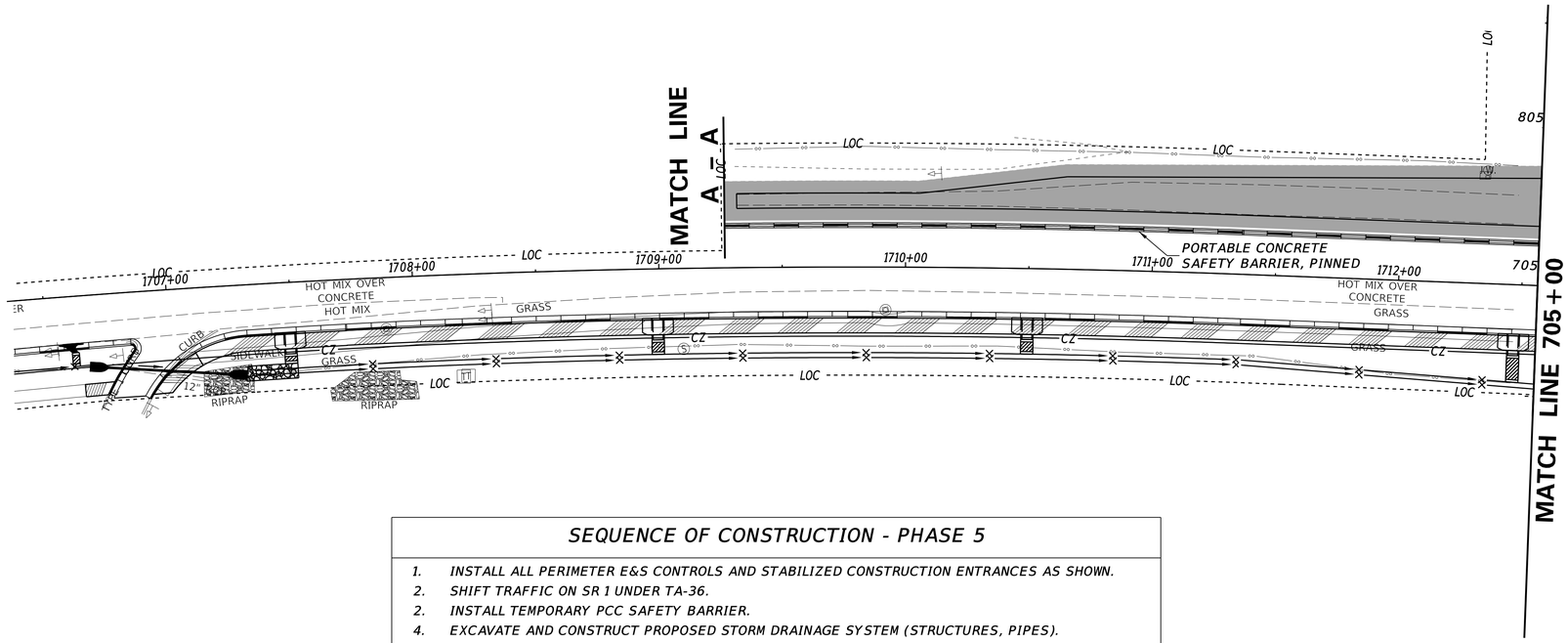
CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 5

SECTION	
PD	
SHEET NO.	
170	

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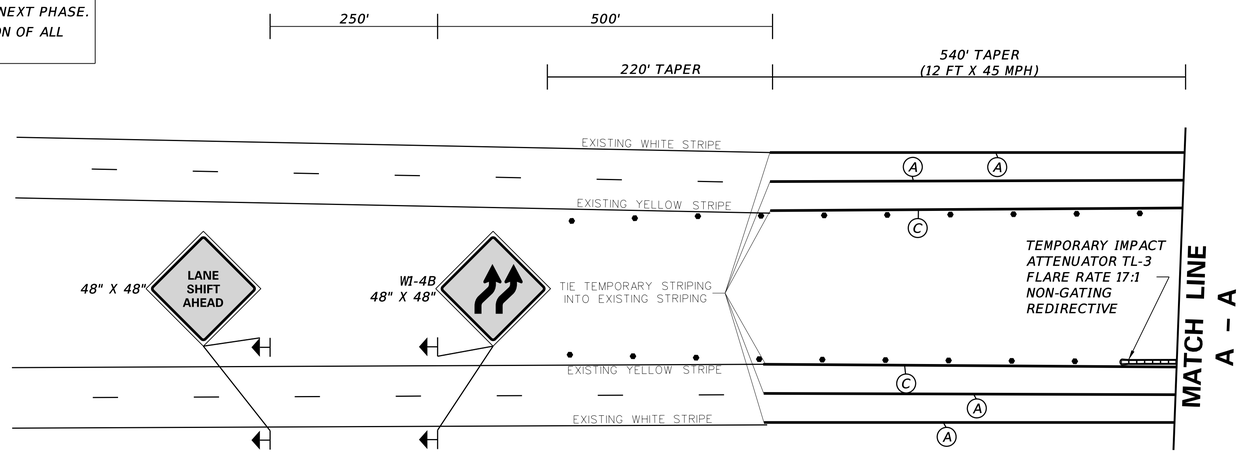


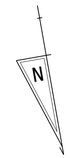
SEQUENCE OF CONSTRUCTION - PHASE 5

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. SHIFT TRAFFIC ON SR 1 UNDER TA-36.
2. INSTALL TEMPORARY PCC SAFETY BARRIER.
4. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
5. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
6. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.

PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	3,852 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	1,926 LF





REVISIONS			
ADDENDUM 1	08/15/2024		

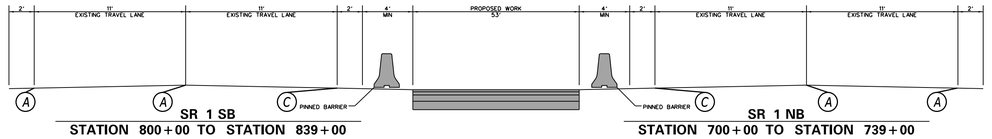
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SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X	SECTION
T201612501	DESIGNED BY: N. RIGOLINO		PD
COUNTY			SHEET NO.
SUSSEX	CHECKED BY: B. BEHRENS		171

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN - PHASE 5

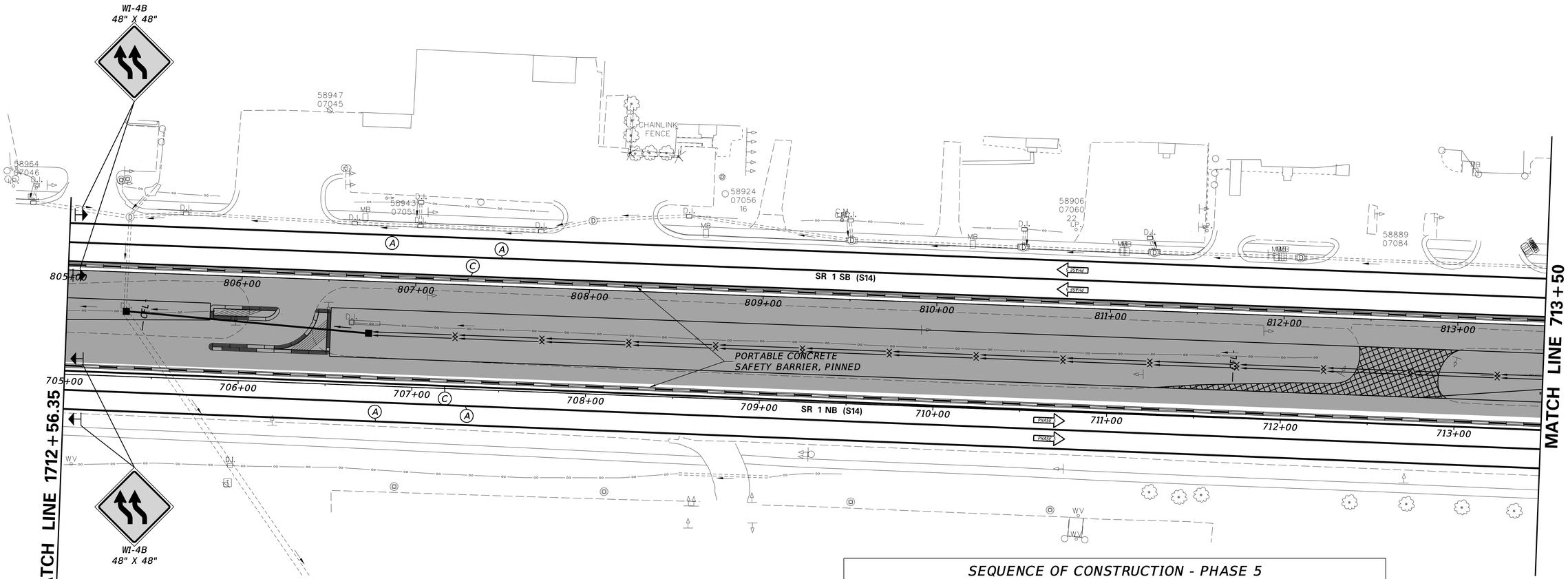
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SR 1 SB
STATION 800+00 TO STATION 839+00

SR 1 NB
STATION 700+00 TO STATION 739+00





SEQUENCE OF CONSTRUCTION - PHASE 5

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. SHIFT TRAFFIC ON SR 1 UNDER TA-36.
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PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
A	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	3,852 LF
C	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	1,926 LF

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 5

SECTION	
PD	
SHEET NO.	
172	

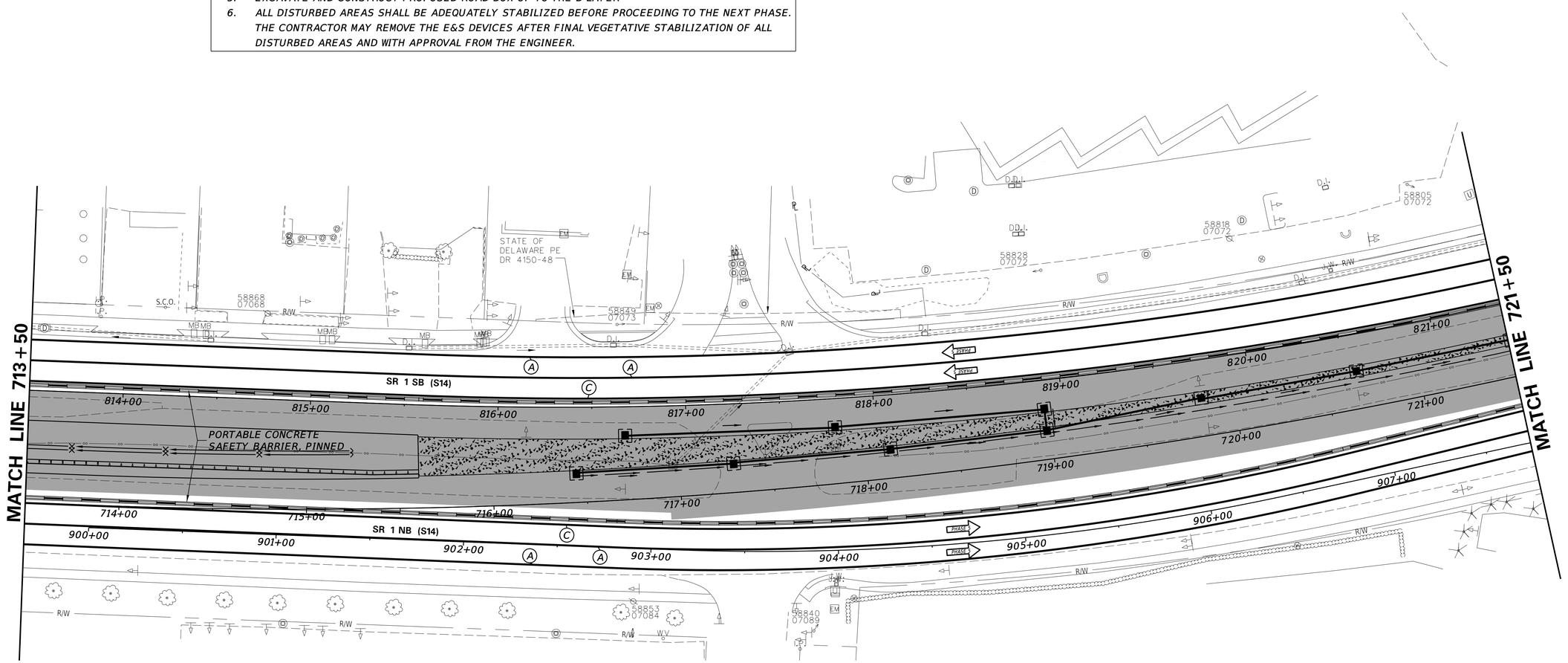
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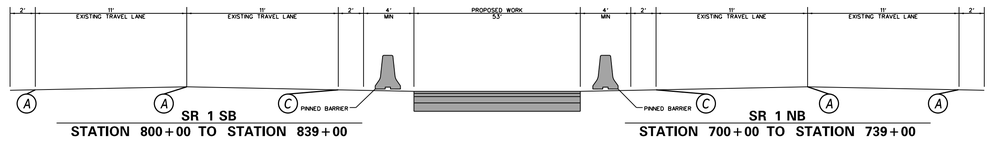
SEQUENCE OF CONSTRUCTION - PHASE 5

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
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PAVEMENT MARKINGS LEGEND

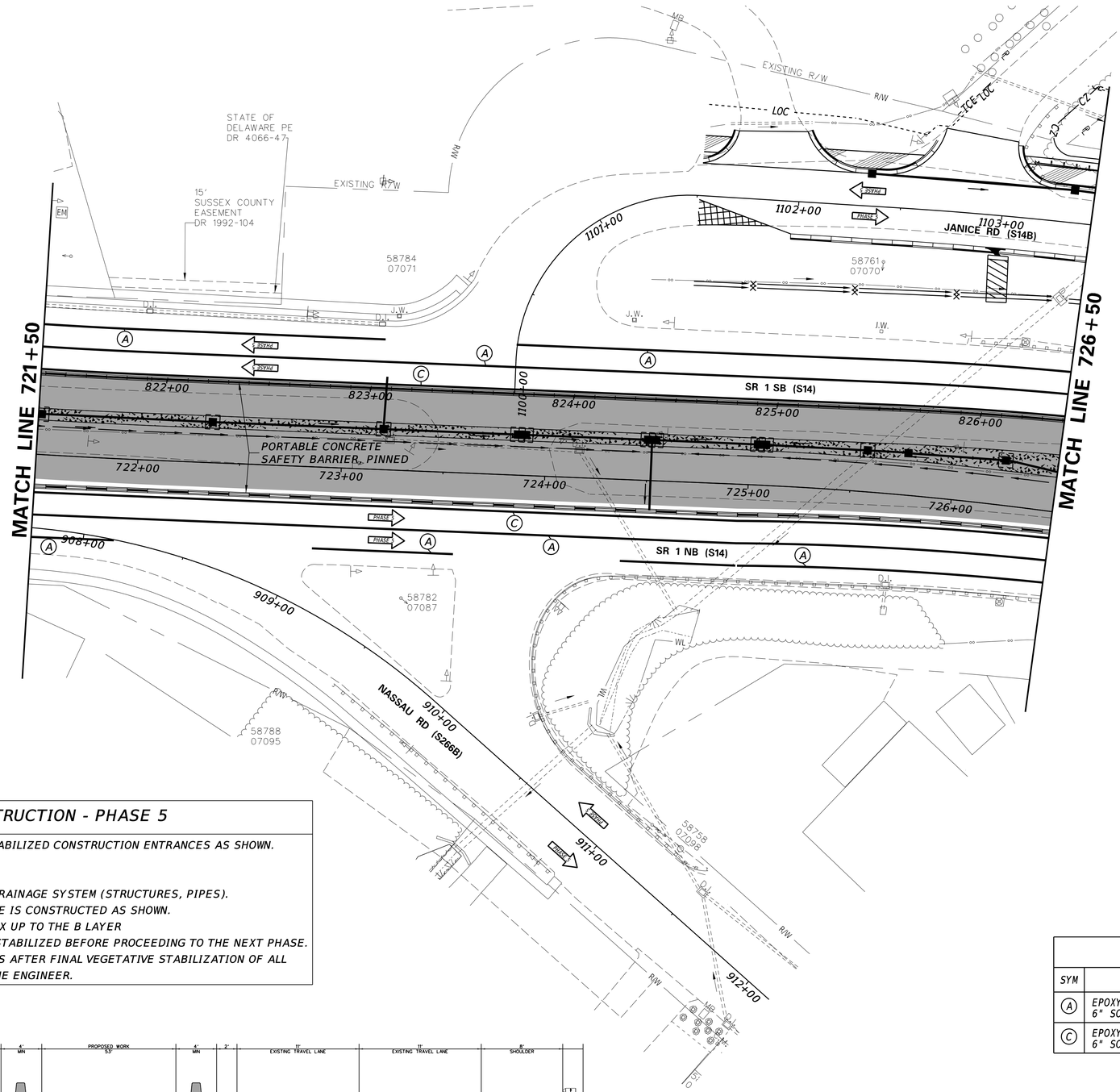
SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	3,224 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	1,612 LF





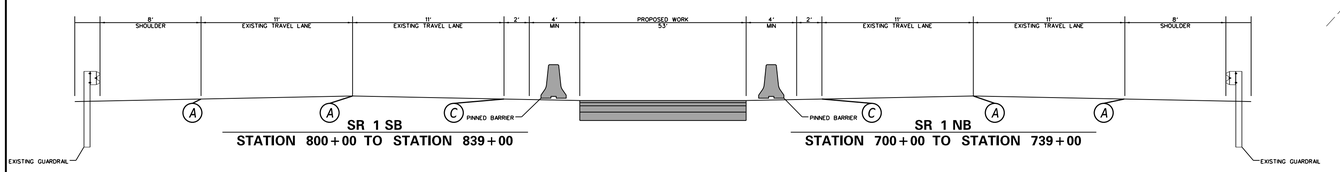
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ADDENDA / REVISIONS	SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO.	X	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 5	SECTION
	0 30 60 90 FEET		T201612501	DESIGNED BY: N. RIGOLINO			PD
			COUNTY	CHECKED BY: B. BEHRENS			SHEET NO.
			SUSSEX				173



SEQUENCE OF CONSTRUCTION - PHASE 5

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. SHIFT TRAFFIC ON SR 1 UNDER TA-36.
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PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	2,000 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	1,000 LF

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

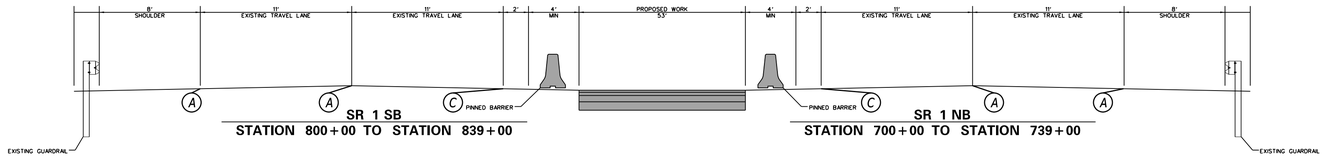
SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

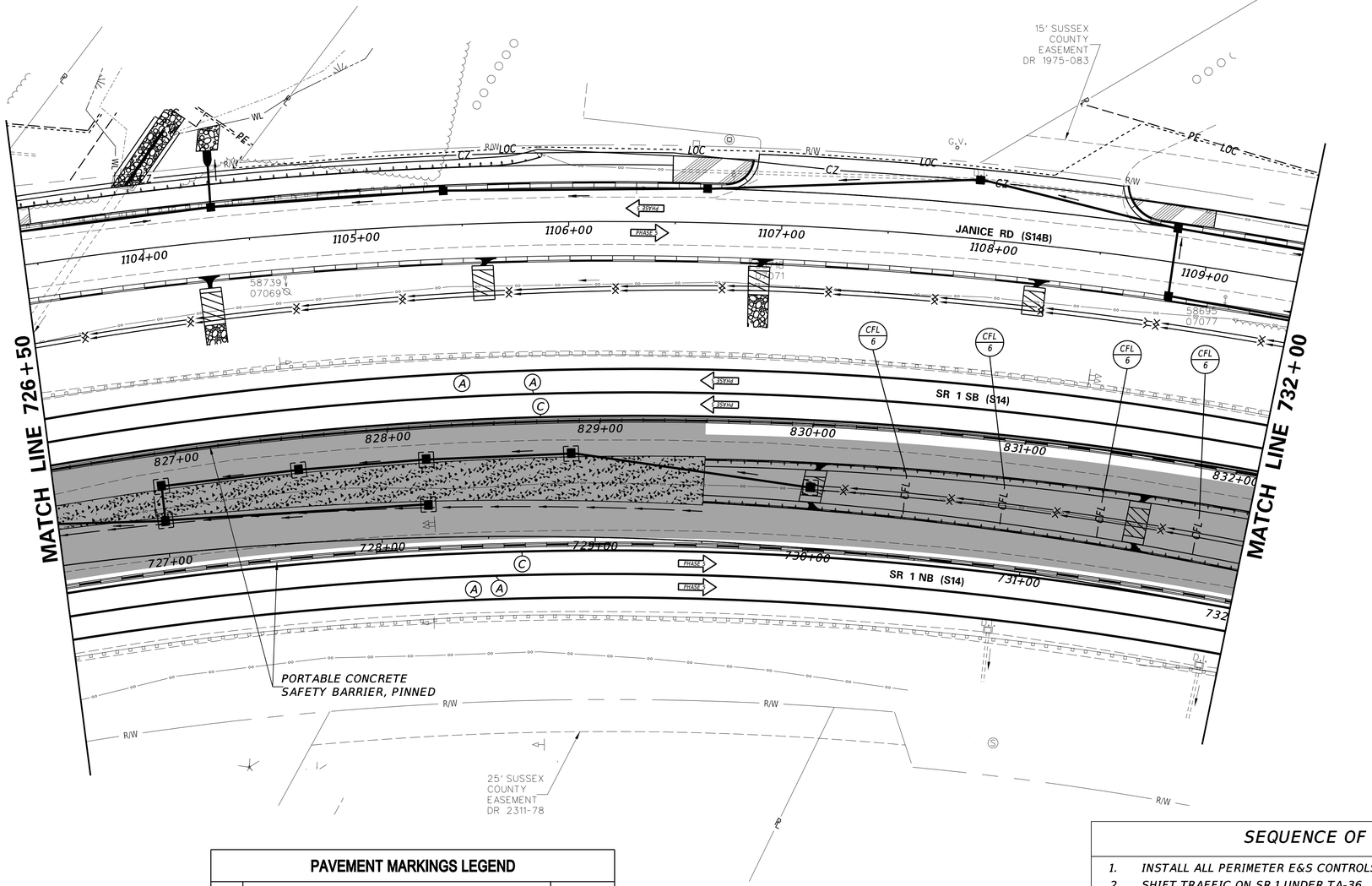
CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

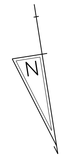
CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 5

SECTION	
PD	
SHEET NO.	
174	

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PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	2,192 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	1,096 LF

SEQUENCE OF CONSTRUCTION - PHASE 5

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. SHIFT TRAFFIC ON SR 1 UNDER TA-36.
2. INSTALL TEMPORARY PCC SAFETY BARRIER.
4. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
5. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
6. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.

ADDENDA / REVISIONS

SCALE
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FEET

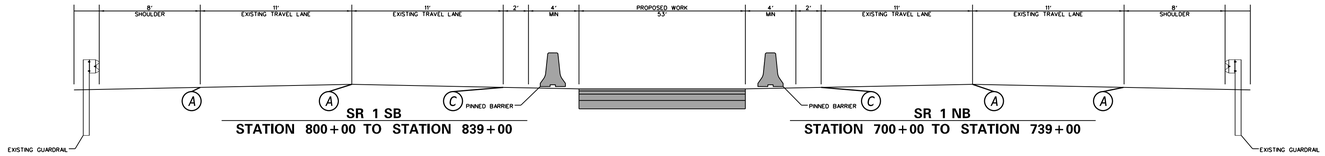
SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

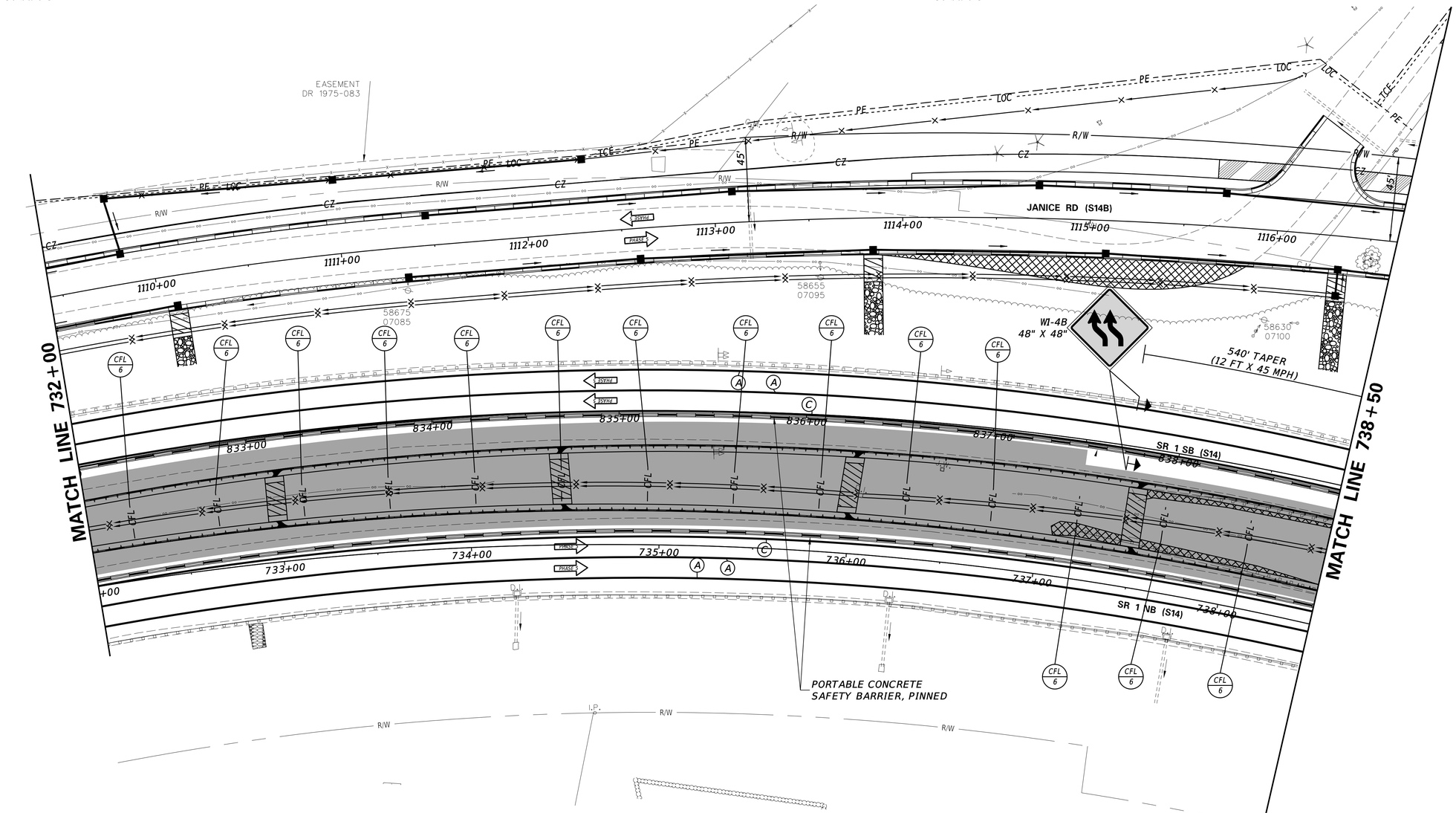
CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 5

SECTION	
PD	
SHEET NO.	
175	

22-AUG-2024
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PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	2,608 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	1,304 LF

SEQUENCE OF CONSTRUCTION - PHASE 5

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. SHIFT TRAFFIC ON SR 1 UNDER TA-36.
2. INSTALL TEMPORARY PCC SAFETY BARRIER.
4. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
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ADDENDA / REVISIONS

SCALE
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FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

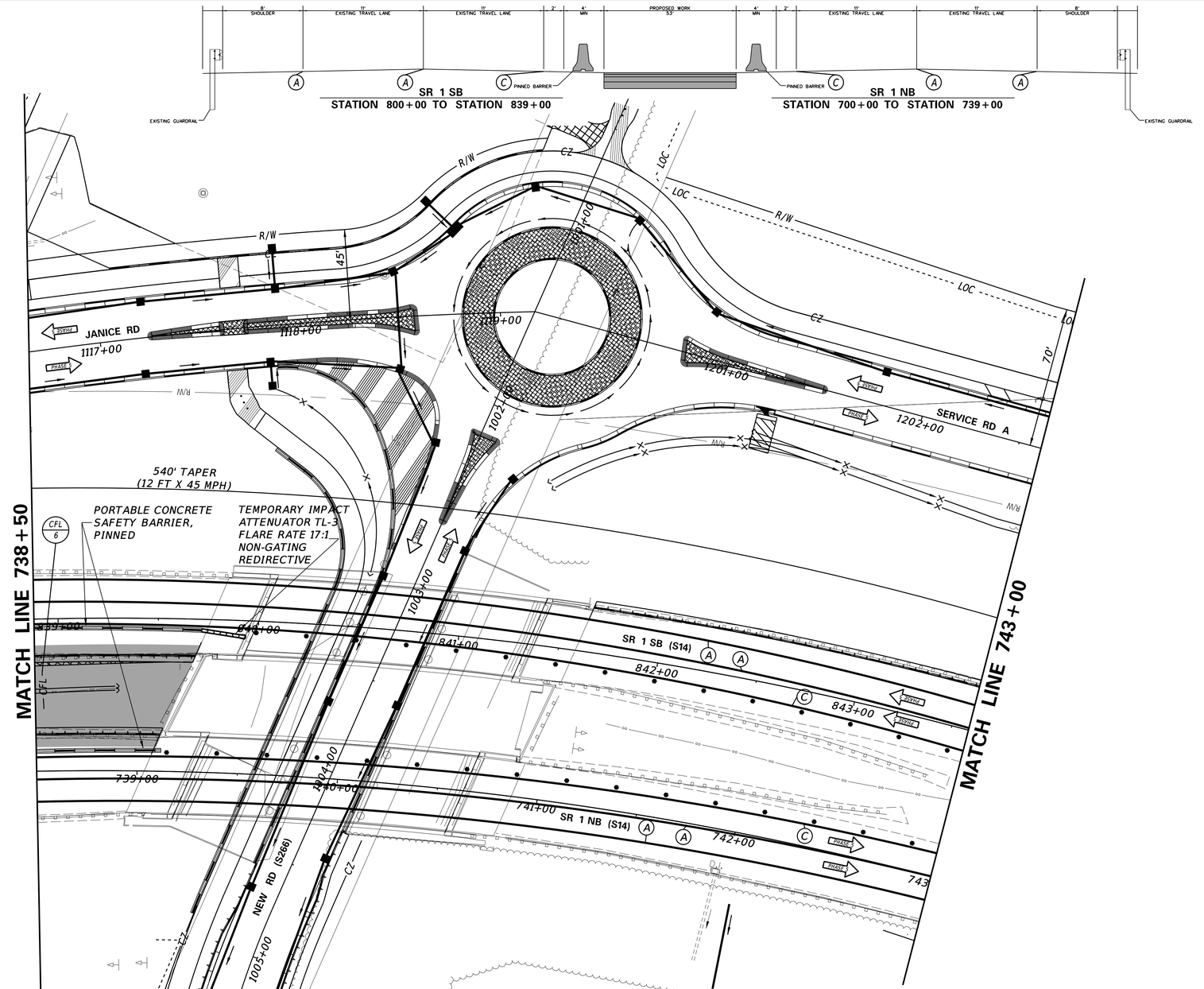
CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 5

SECTION	PD
SHEET NO.	176

22-AUG-2024
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PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	1,800 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	900 LF



SEQUENCE OF CONSTRUCTION - PHASE 5

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. SHIFT TRAFFIC ON SR 1 UNDER TA-36.
2. INSTALL TEMPORARY PCC SAFETY BARRIER.
4. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
5. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
6. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

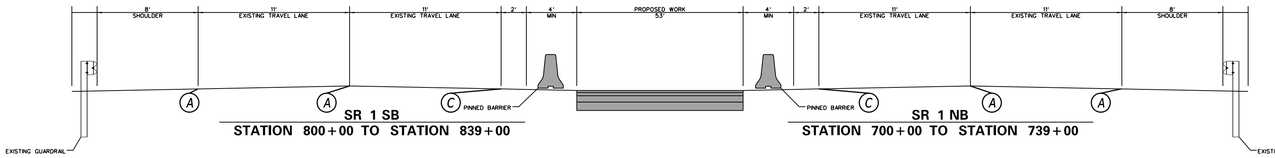
SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

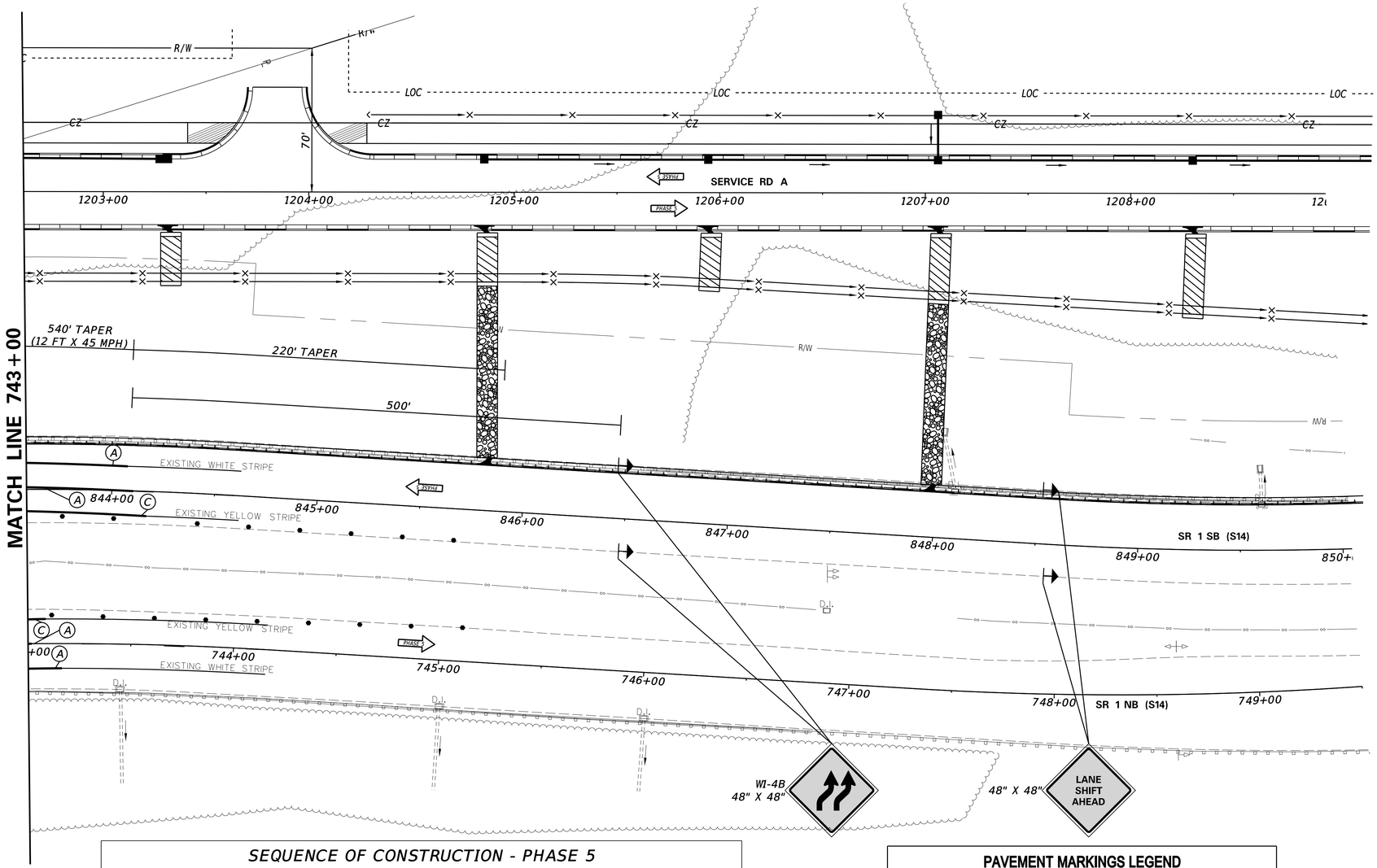
CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 5

SECTION	
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177	

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SEQUENCE OF CONSTRUCTION - PHASE 5

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. SHIFT TRAFFIC ON SR 1 UNDER TA-36.
2. INSTALL TEMPORARY PCC SAFETY BARRIER.
4. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
5. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
6. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.

PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	240 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	120 LF

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 5

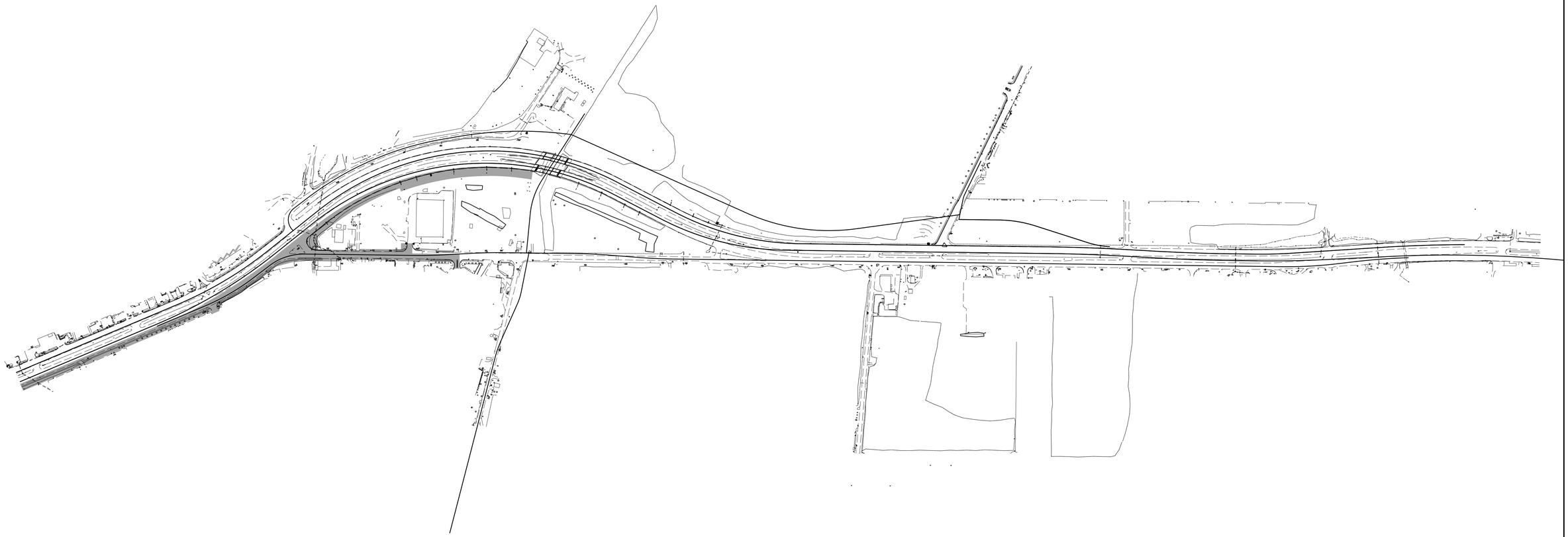
SECTION	PD
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SEQUENCE OF CONSTRUCTION - PHASE 6

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. INCORPORATE DETOUR ON TULIP DR.
3. INSTALL TEMPORARY PCC SAFETY BARRIER.
4. SHIFT TRAFFIC ON SR 1 UNDER TA-36.
5. SHIFT TRAFFIC ON NASSAU RD UNDER TA-11B.
6. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
7. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
8. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.

* PHASE 6 CAN BE CONCURRENT WITH PHASE 7



ADDENDA / REVISIONS	

SCALE
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FEET

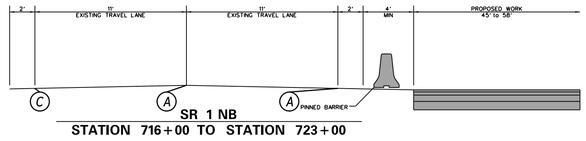
SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 6

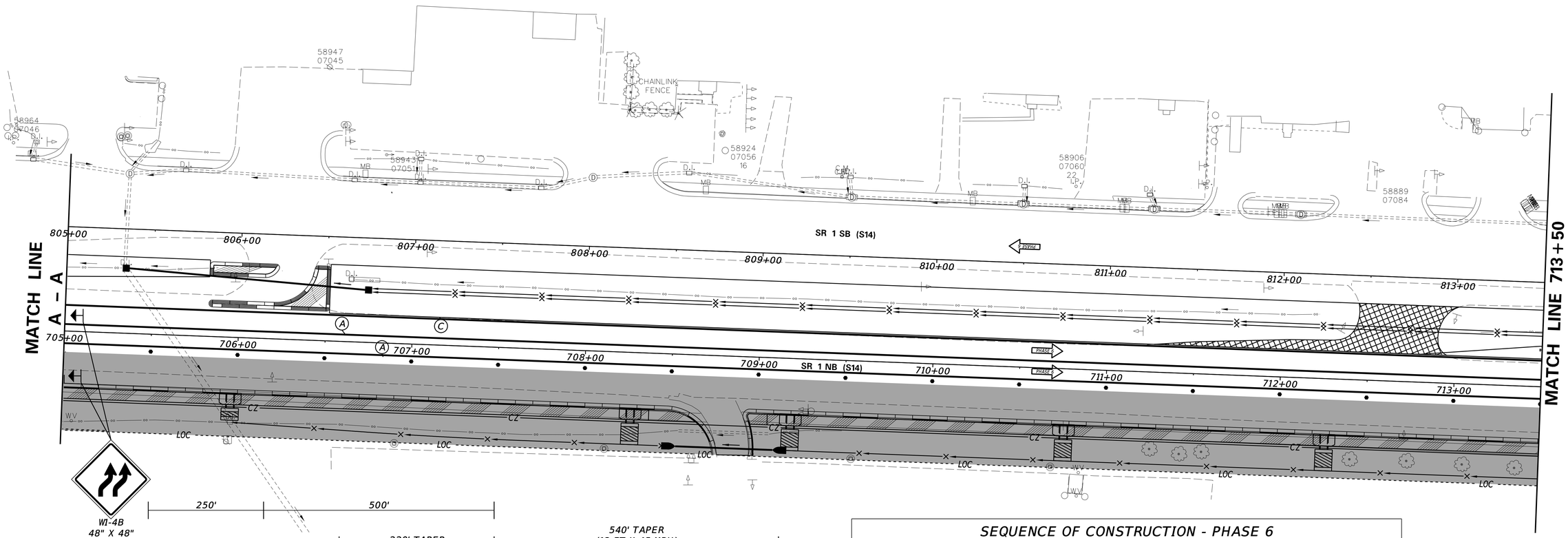
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SHEET NO.	
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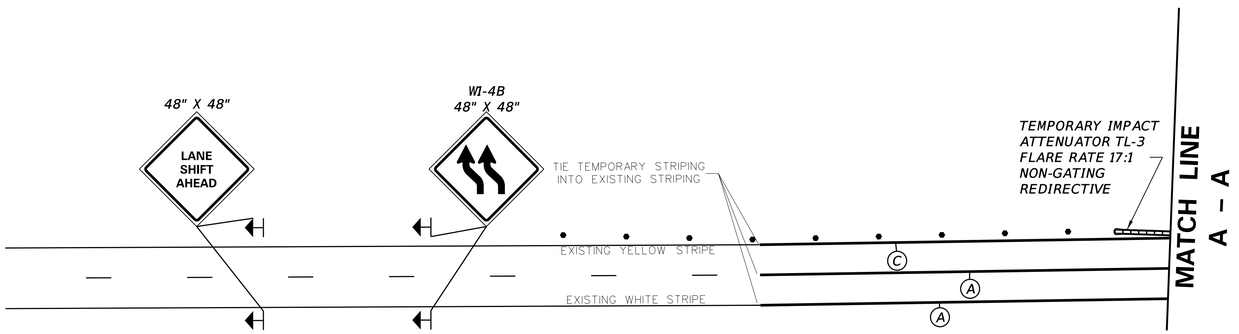
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SR 1 NB
STATION 716+00 TO STATION 723+00







SEQUENCE OF CONSTRUCTION - PHASE 6

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. INCORPORATE DETOUR ON TULIP DR.
3. INSTALL TEMPORARY PCC SAFETY BARRIER.
4. SHIFT TRAFFIC ON SR 1 UNDER TA-36.
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7. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
8. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.

PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
A	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	1,700 LF
C	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	850 LF

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 6

SECTION	
PD	
SHEET NO.	
180	

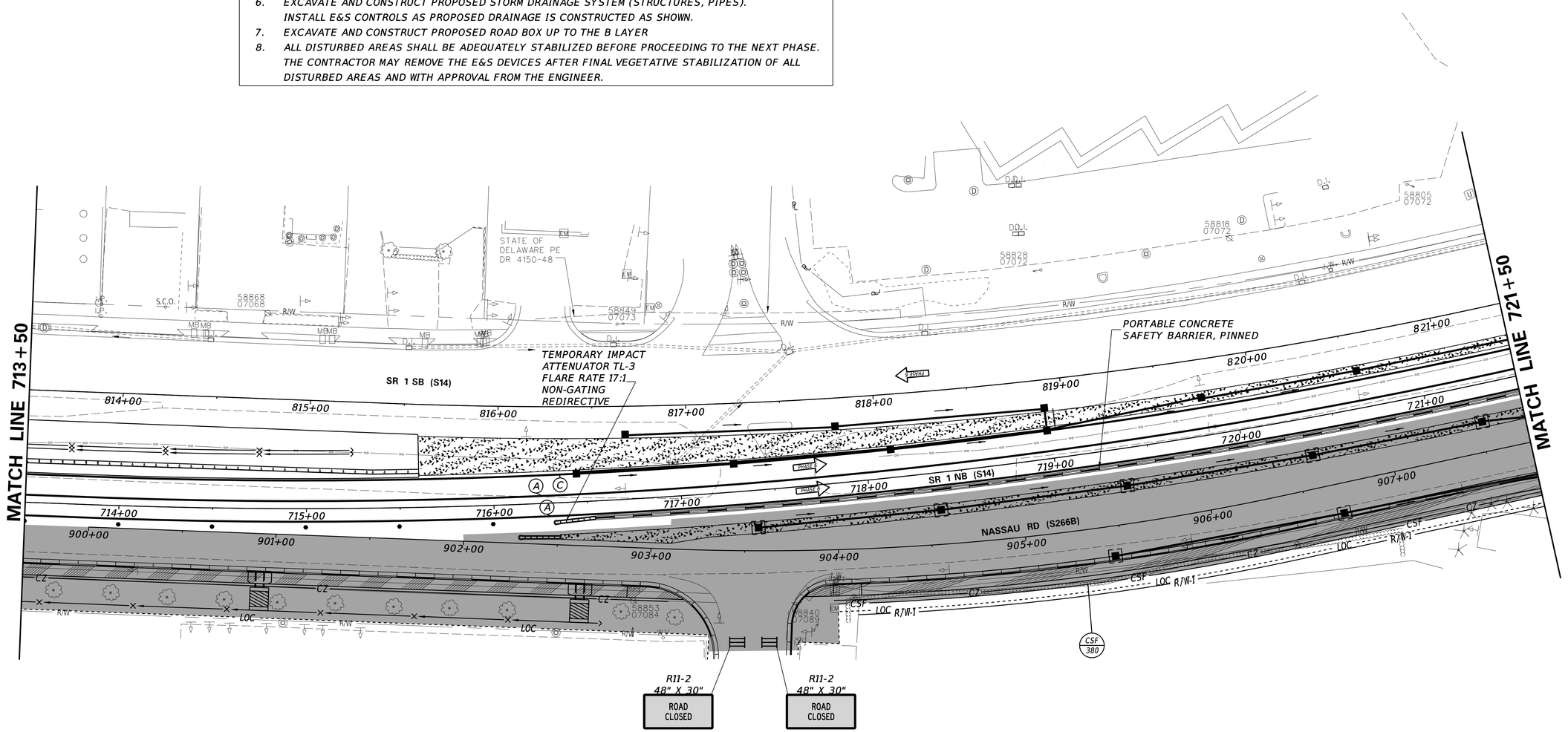
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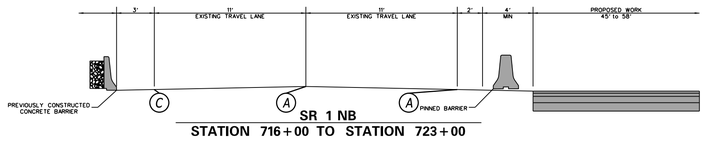
SEQUENCE OF CONSTRUCTION - PHASE 6

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. INCORPORATE DETOUR ON TULIP DR.
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PAVEMENT MARKINGS LEGEND

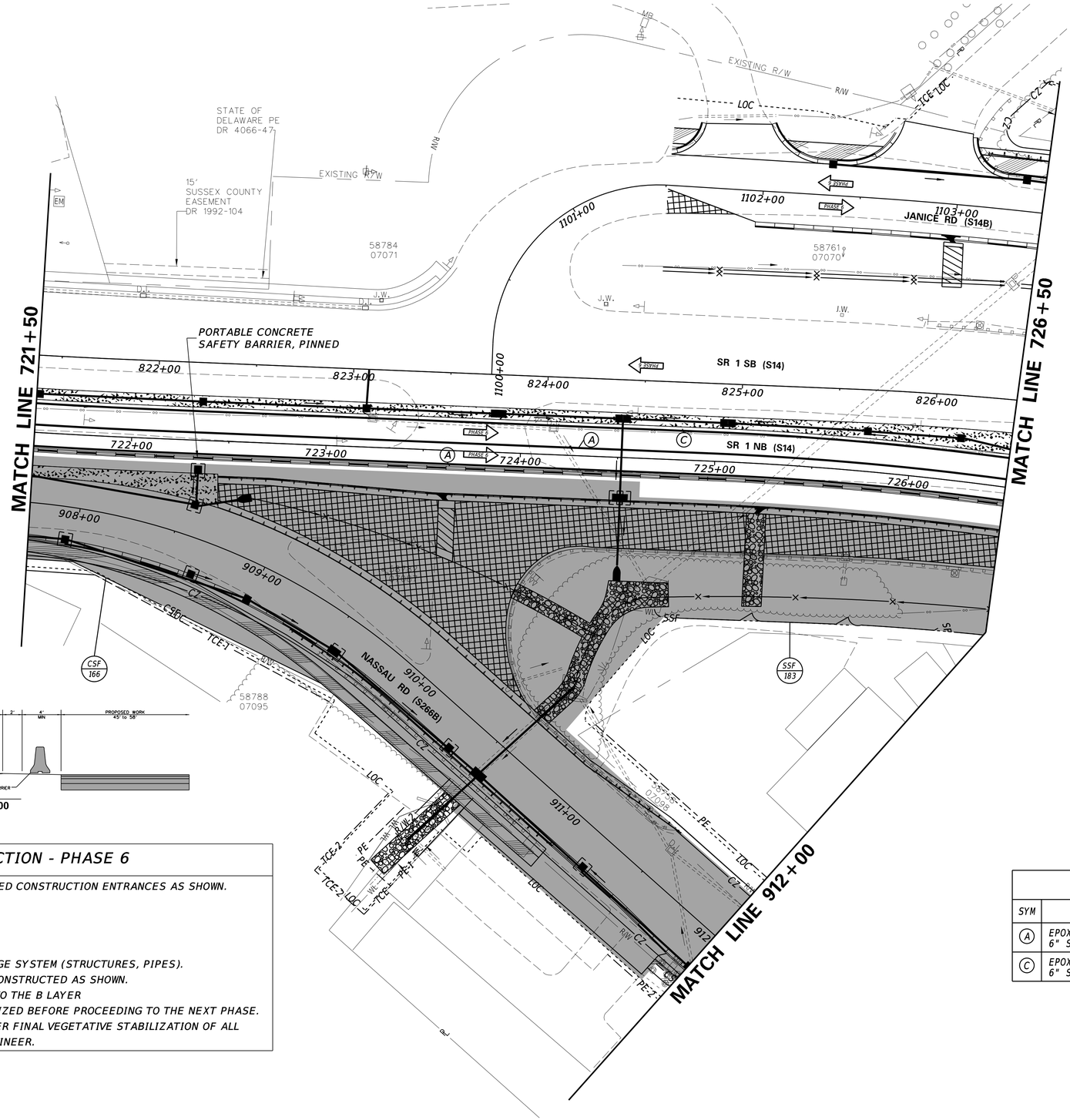
SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	1,600 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	800 LF

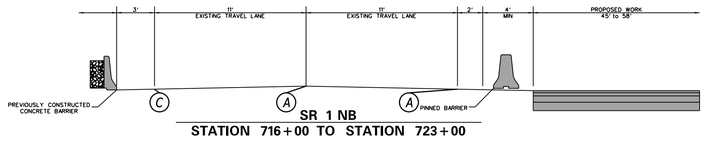




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ADDENDA / REVISIONS	SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO.	X	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 6	SECTION
	0 30 60 90 FEET		T201612501	DESIGNED BY: N. RIGOLINO			PD
			COUNTY	CHECKED BY: B. BEHRENS			SHEET NO.
			SUSSEX				181





SEQUENCE OF CONSTRUCTION - PHASE 6

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. INCORPORATE DETOUR ON TULIP DR.
3. INSTALL TEMPORARY PCC SAFETY BARRIER.
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PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	1,000 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	500 LF

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

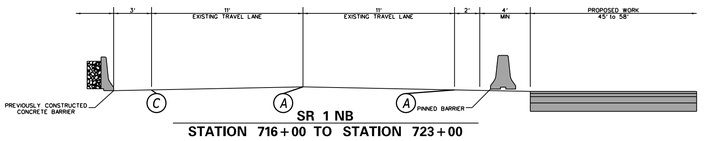
CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 6

SECTION	
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SHEET NO.	
182	

22-AUG-2024
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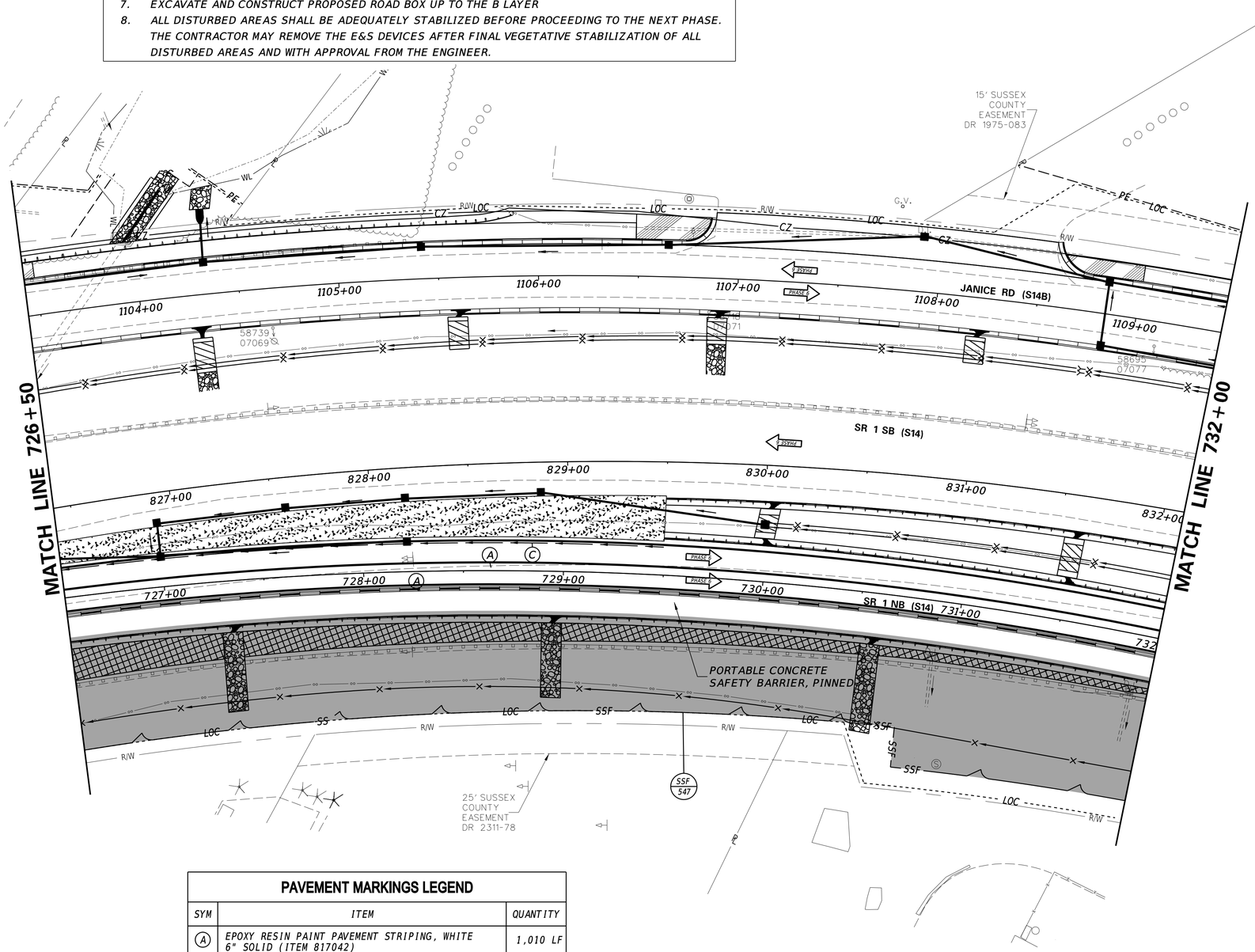
SEQUENCE OF CONSTRUCTION - PHASE 6

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. INCORPORATE DETOUR ON TULIP DR.
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SR 1 NB
STATION 716+00 TO STATION 723+00





PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	1,010 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	555 LF

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

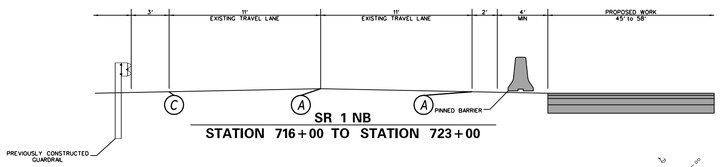
CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 6

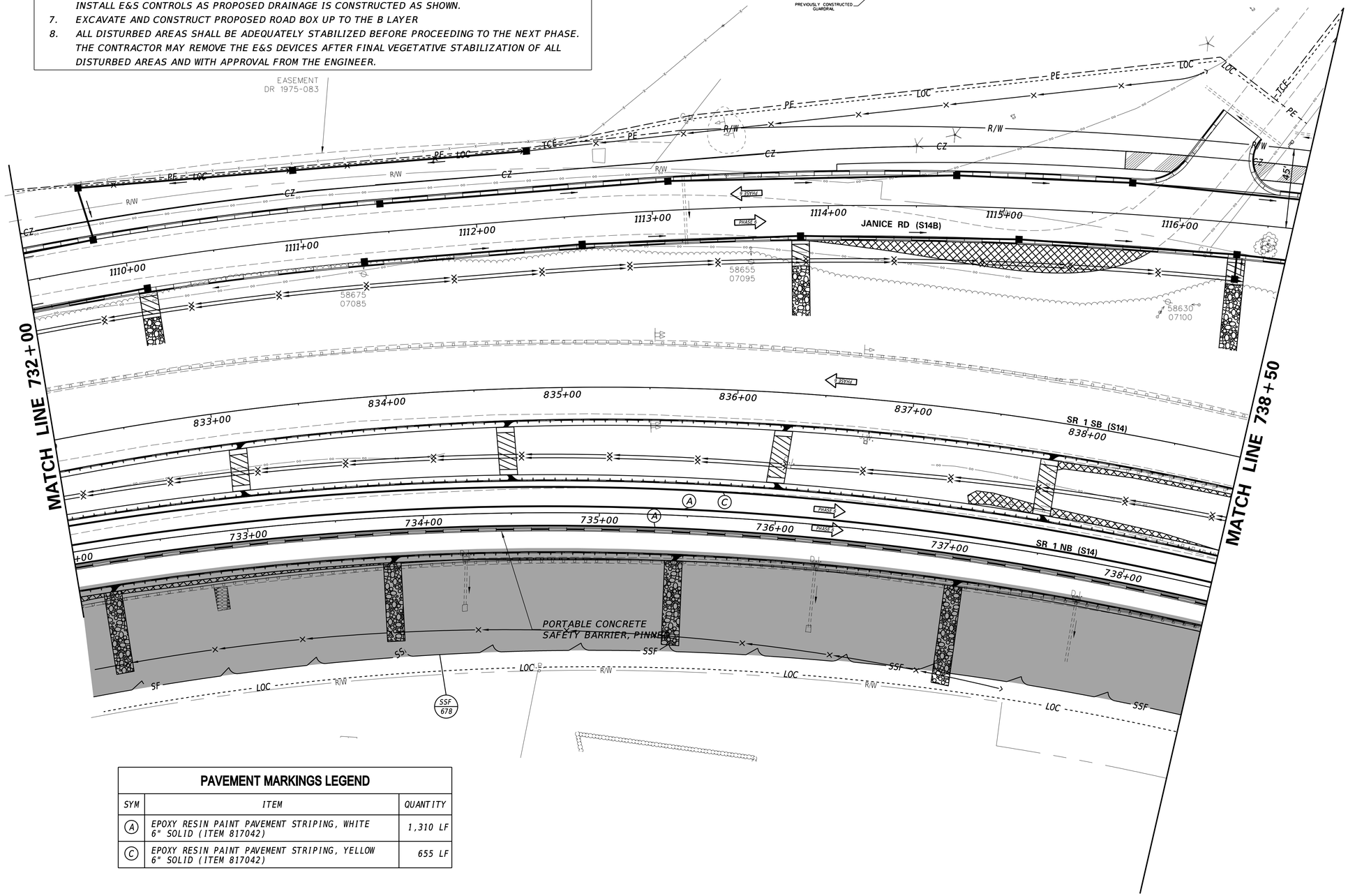
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SEQUENCE OF CONSTRUCTION - PHASE 6

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. INCORPORATE DETOUR ON TULIP DR.
3. INSTALL TEMPORARY PCC SAFETY BARRIER.
4. SHIFT TRAFFIC ON SR 1 UNDER TA-36.
5. SHIFT TRAFFIC ON NASSAU RD UNDER TA-11B.
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PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	1,310 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	655 LF

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

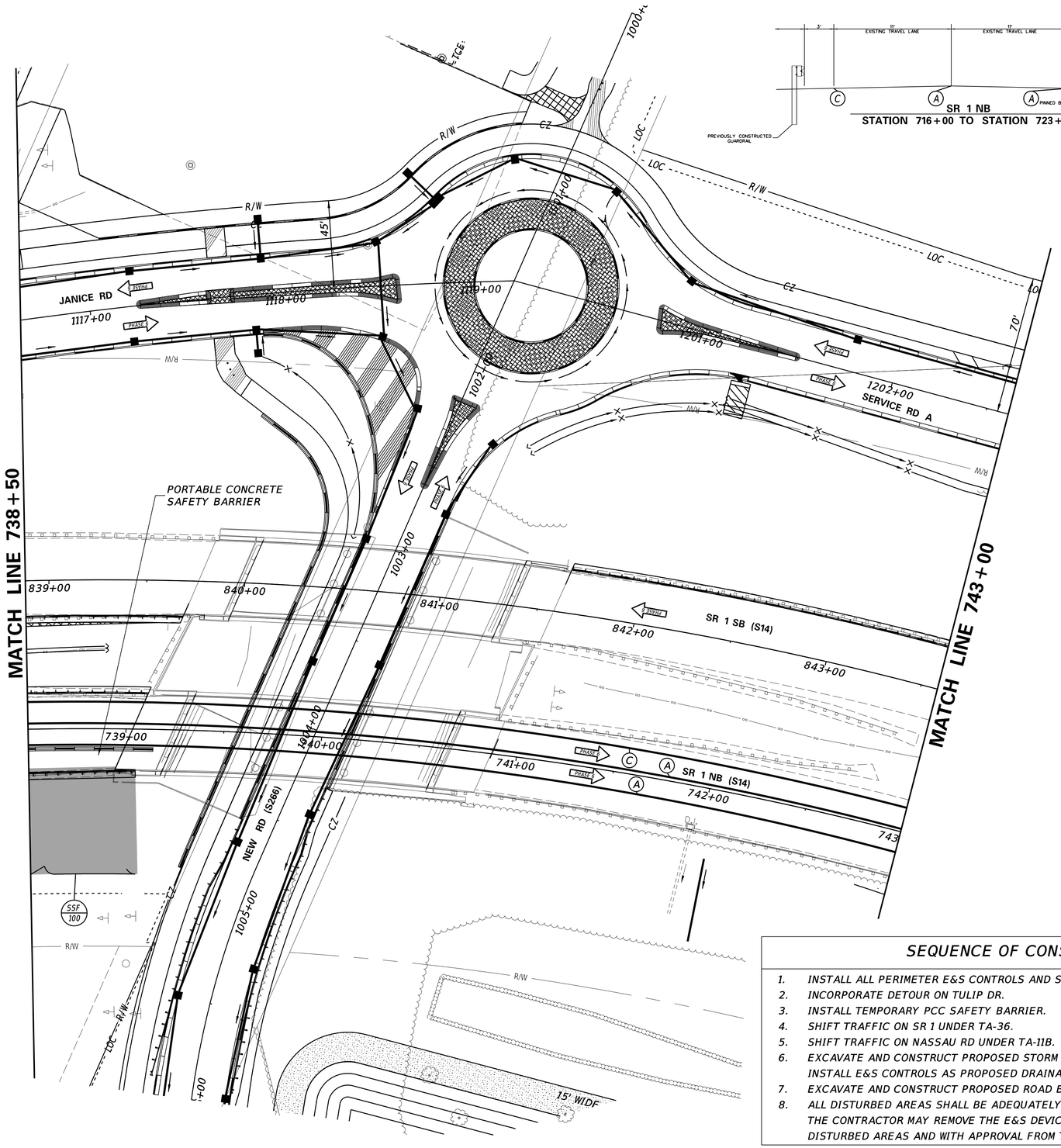
CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

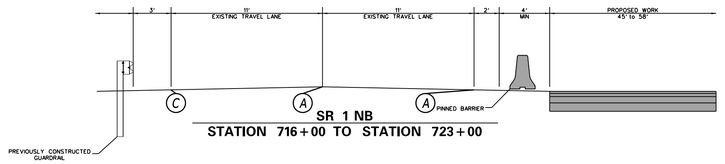
CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 6

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184	

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PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	904 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	452 LF





SEQUENCE OF CONSTRUCTION - PHASE 6

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. INCORPORATE DETOUR ON TULIP DR.
3. INSTALL TEMPORARY PCC SAFETY BARRIER.
4. SHIFT TRAFFIC ON SR 1 UNDER TA-36.
5. SHIFT TRAFFIC ON NASSAU RD UNDER TA-11B.
6. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
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8. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

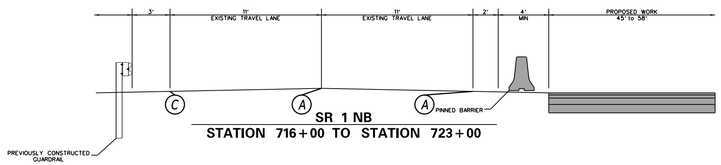
CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 6

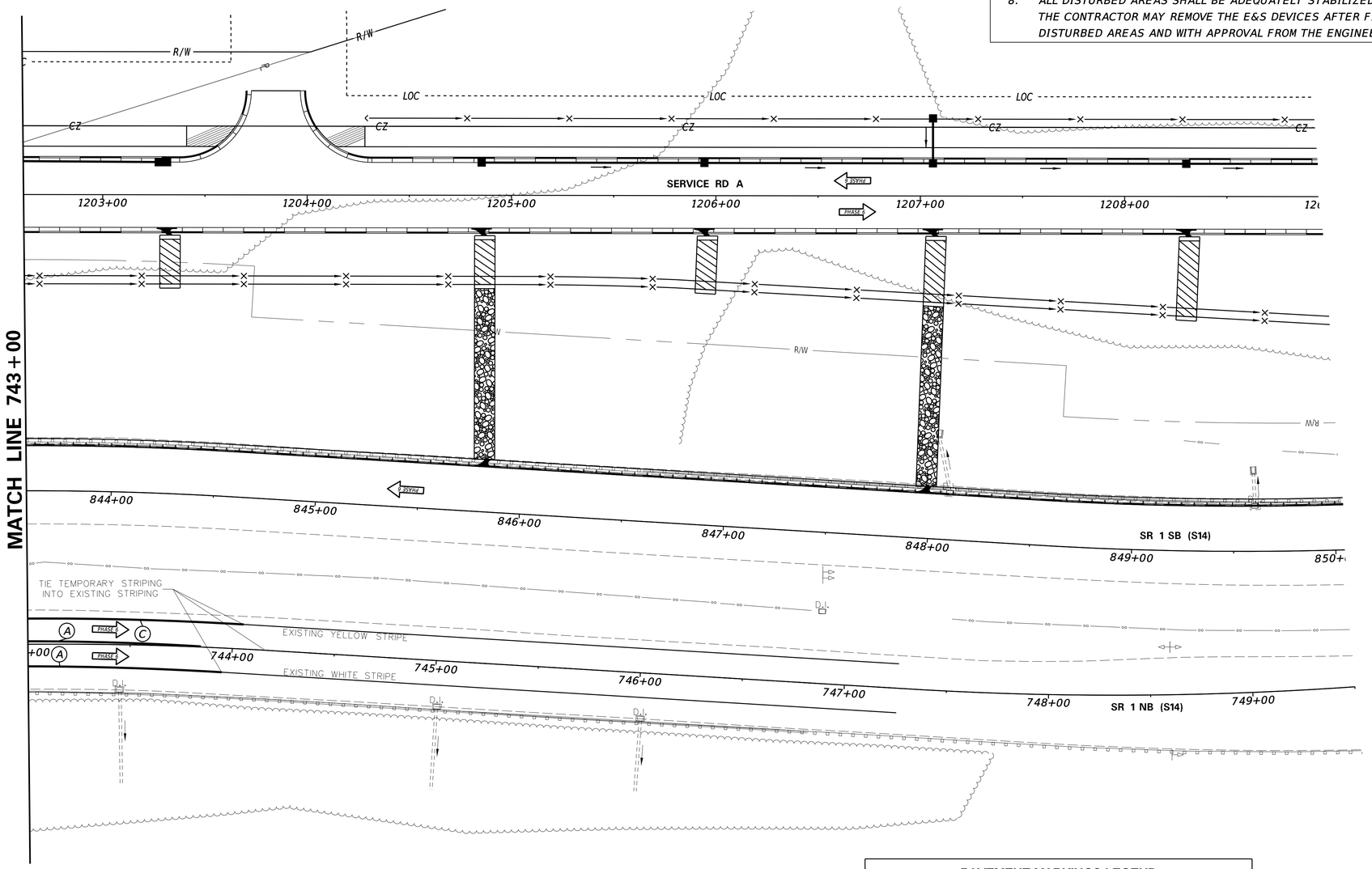
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PD	185

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SEQUENCE OF CONSTRUCTION - PHASE 6

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. INCORPORATE DETOUR ON TULIP DR.
3. INSTALL TEMPORARY PCC SAFETY BARRIER.
4. SHIFT TRAFFIC ON SR 1 UNDER TA-36.
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PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	240 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	240 LF

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

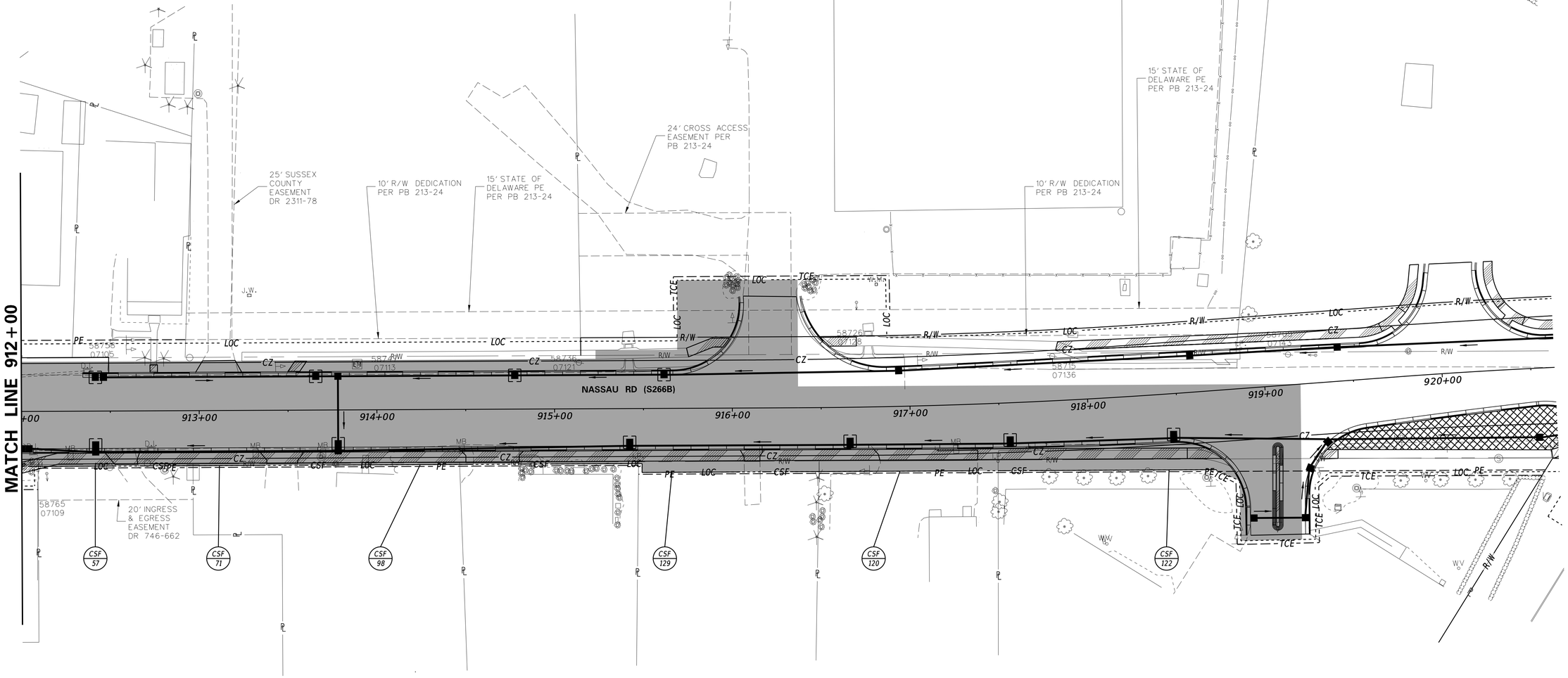
CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 6

SECTION	SHEET NO.
PD	186

22-AUG-2024
09:01
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SEQUENCE OF CONSTRUCTION - PHASE 6

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. INCORPORATE DETOUR ON TULIP DR.
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7. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
8. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.



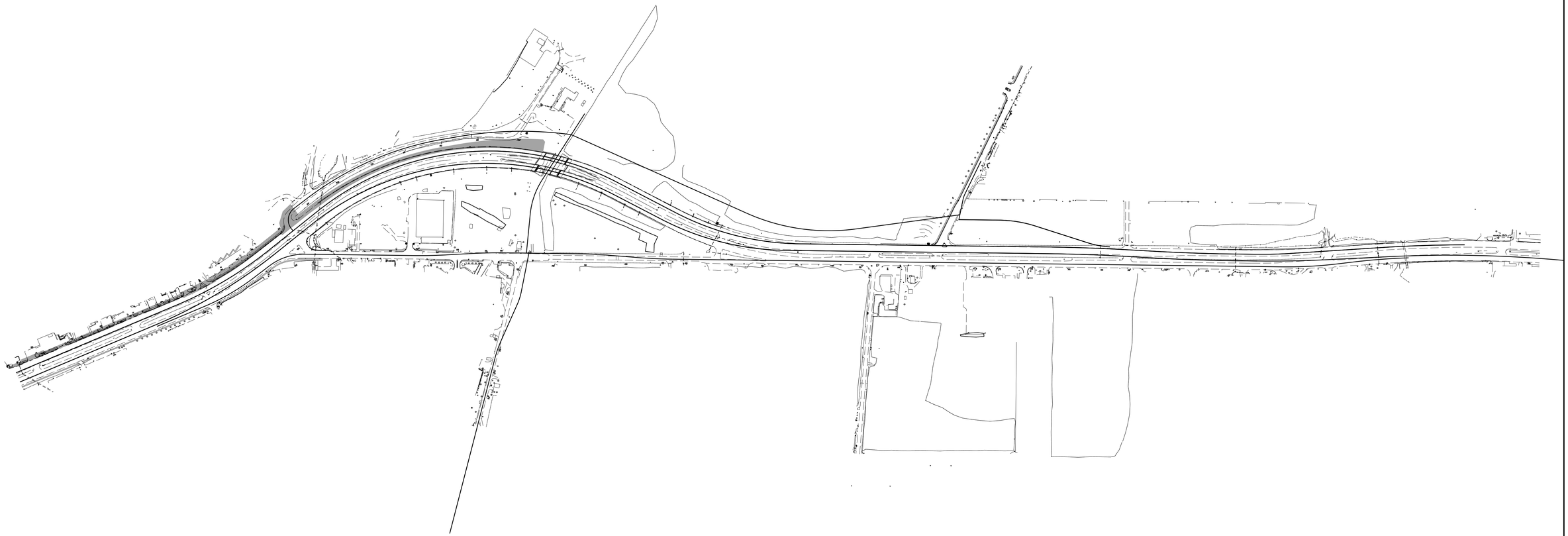
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ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 6	SECTION PD
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SHEET NO. 187
					CHECKED BY: B. BEHRENS		

SEQUENCE OF CONSTRUCTION - PHASE 7

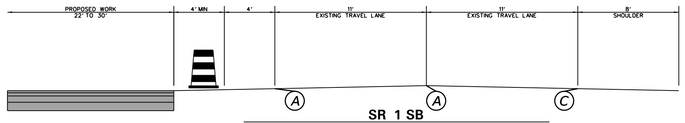
1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. SHIFT TRAFFIC ON SR 1 UNDER TA-36.
3. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
4. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
5. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.

* PHASE 7 CAN BE CONCURRENT WITH PHASE 6

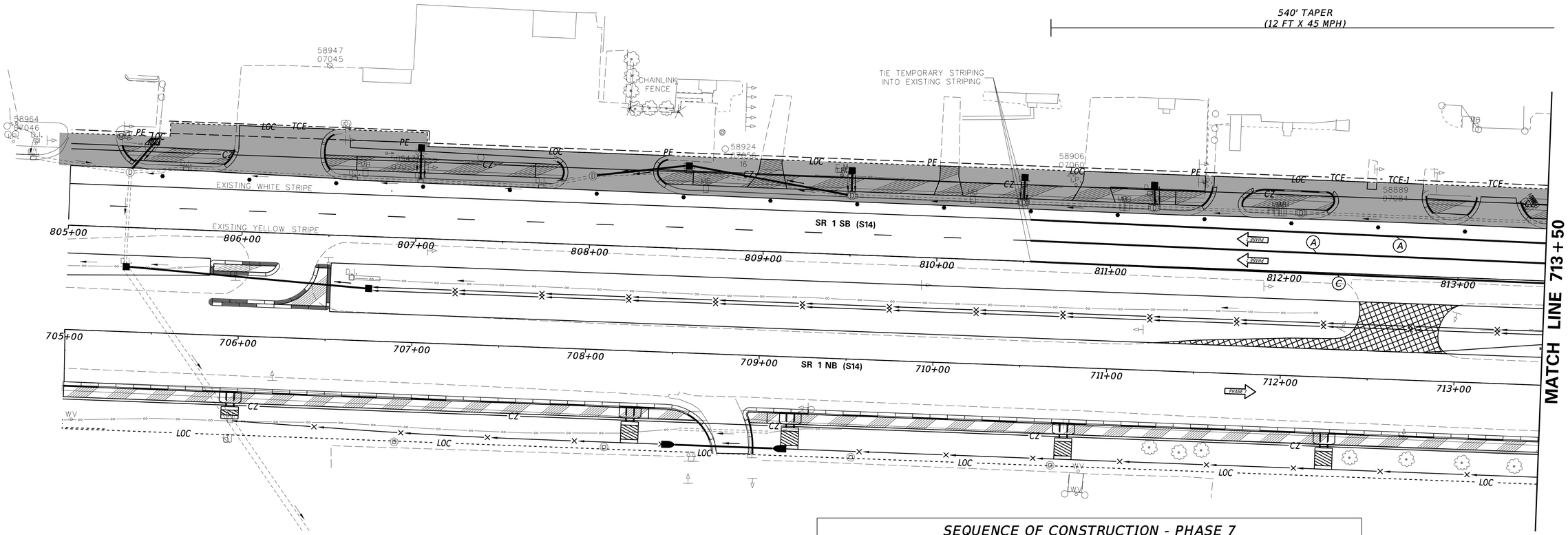


ADDENDA / REVISIONS		SCALE 0 300 600 900 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 7	SECTION PD
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SHEET NO. 188
					CHECKED BY: B. BEHRENS		

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SR 1 SB
STATION 816+50 TO STATION 824+50



SEQUENCE OF CONSTRUCTION - PHASE 7

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. SHIFT TRAFFIC ON SR 1 UNDER TA-36.
3. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
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PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	572 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	286 LF

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 7

SECTION: PD
SHEET NO.: 189

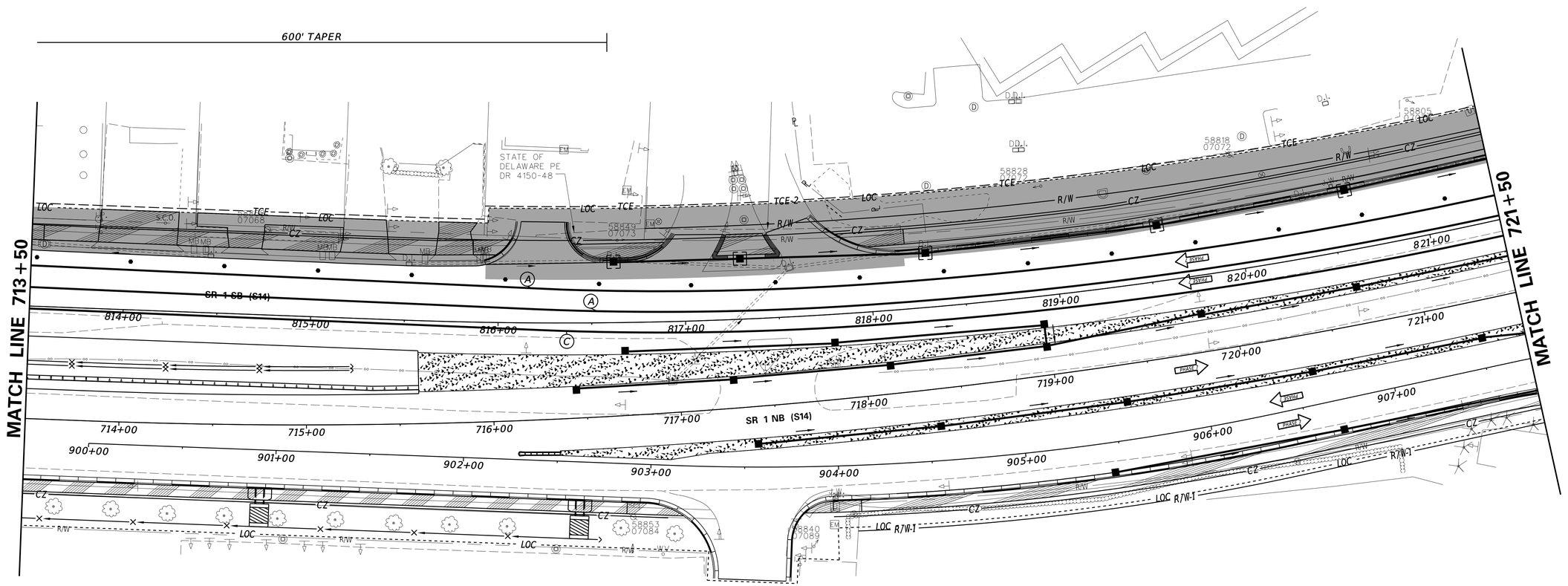
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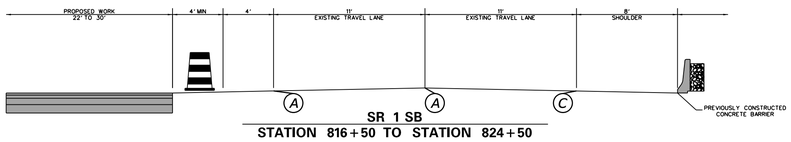
SEQUENCE OF CONSTRUCTION - PHASE 7

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. SHIFT TRAFFIC ON SR 1 UNDER TA-36.
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PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	1,572 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	786 LF





ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

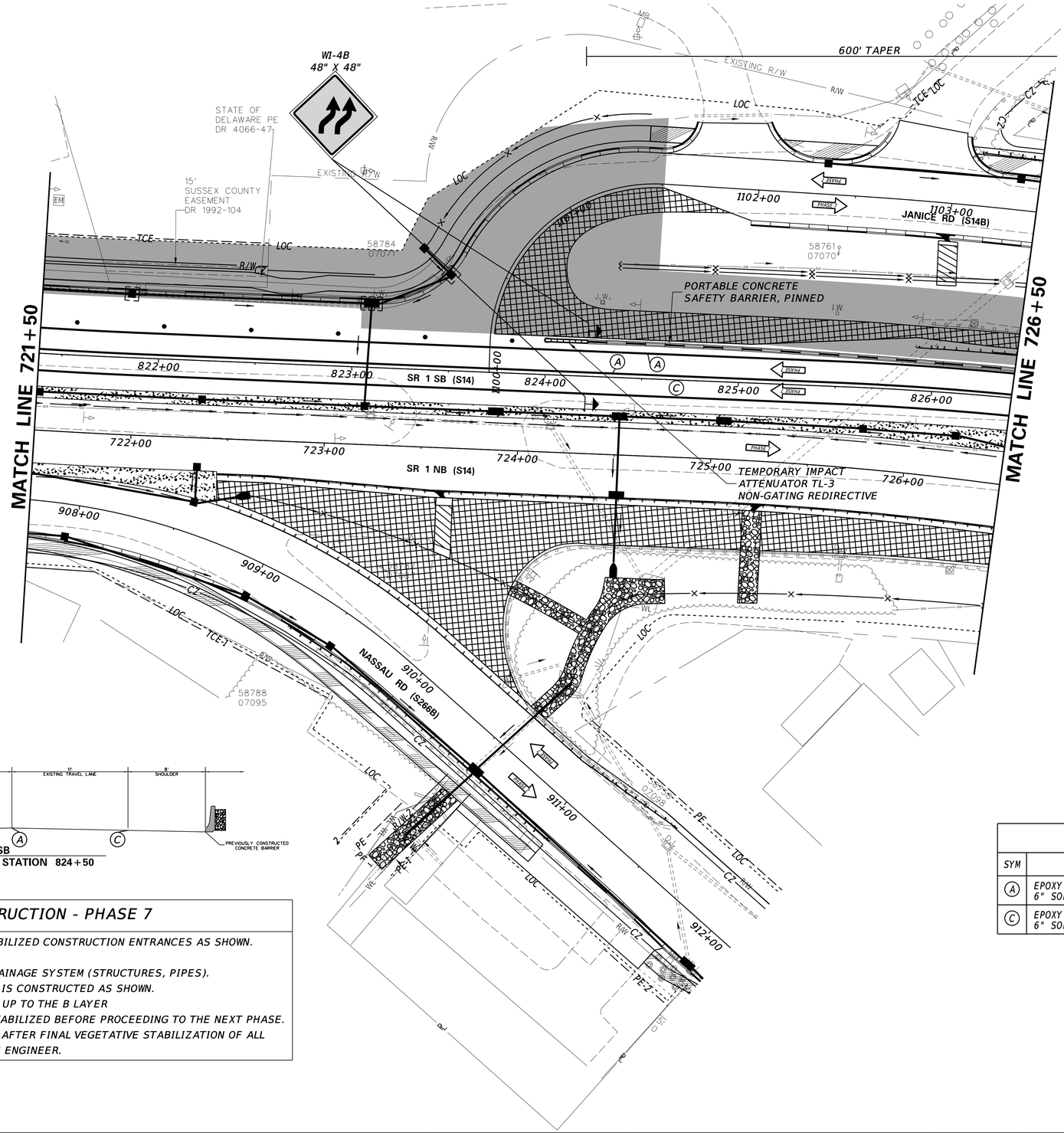
SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 7

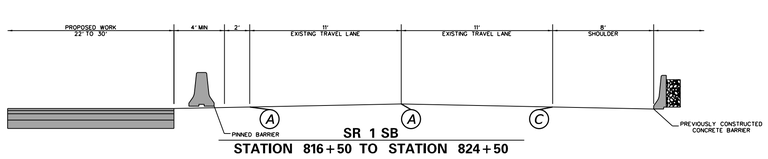
SECTION	
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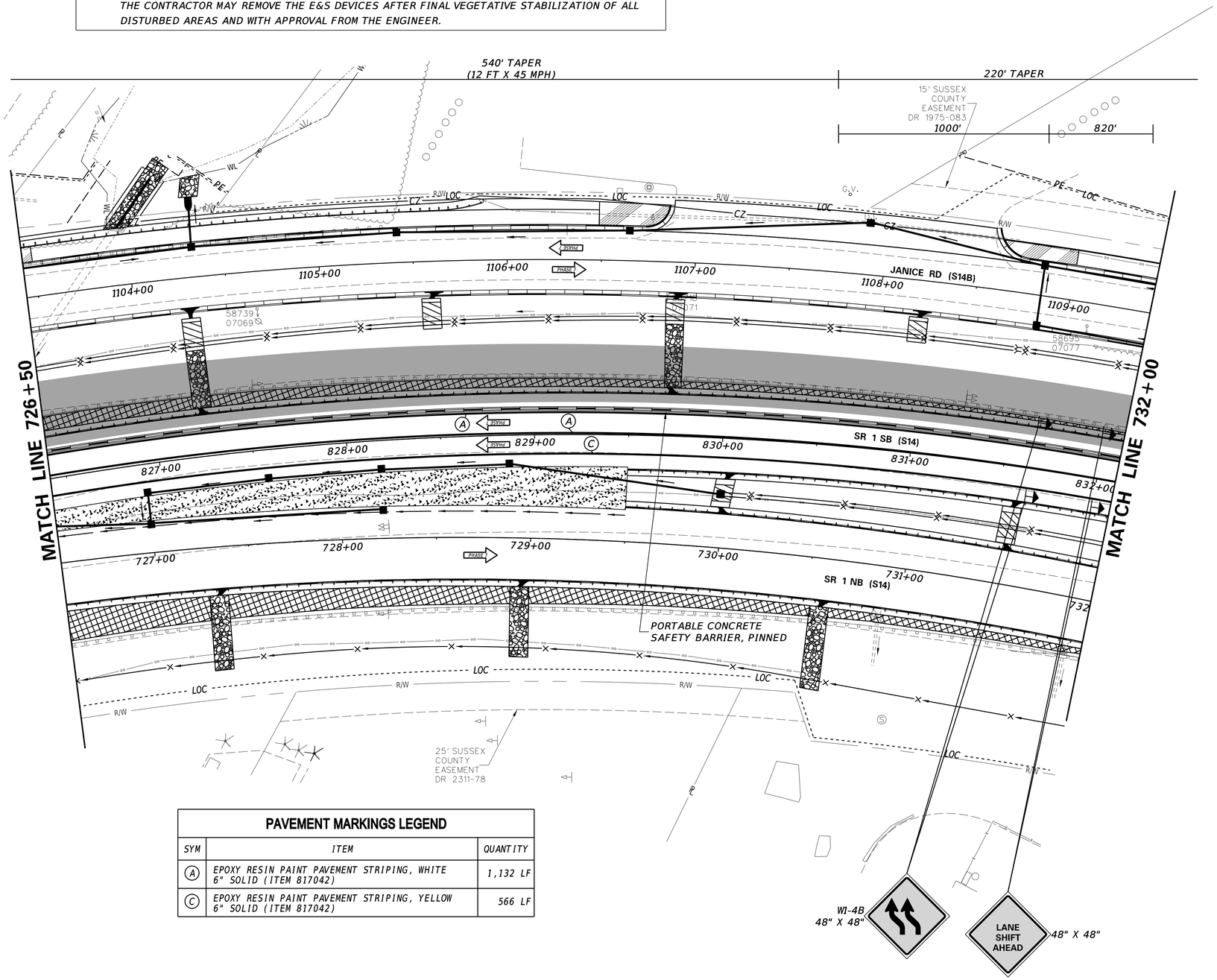

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EXISTING R/W
R/W
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STATE OF DELAWARE PE DR 4066-47
15' SUSSEX COUNTY EASEMENT DR 1992-104
EXISTING R/W
R/W
LOC
TCE
LOC
R/W
CZ
58784
07071
1102+00
1103+00
JANICE RD (S14B)
1101+00
58761
07070
PORTABLE CONCRETE SAFETY BARRIER, PINNED
J.W.
J.W.
J.W.
MATCH LINE 721+50
822+00
823+00
SR 1 SB (S14)
824+00
1100+00
825+00
826+00
MATCH LINE 726+50
722+00
723+00
SR 1 NB (S14)
724+00
725+00
TEMPORARY IMPACT
ATTENUATOR TL-3
NON-GATING REDIRECTIVE
726+00
908+00
909+00
CZ
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TCE
NASSAU RD (S266B)
910+00
58788
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SEQUENCE OF CONSTRUCTION - PHASE 7

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. SHIFT TRAFFIC ON SR 1 UNDER TA-36.
3. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
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PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	1,132 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	566 LF

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 7

SECTION	
PD	
SHEET NO.	
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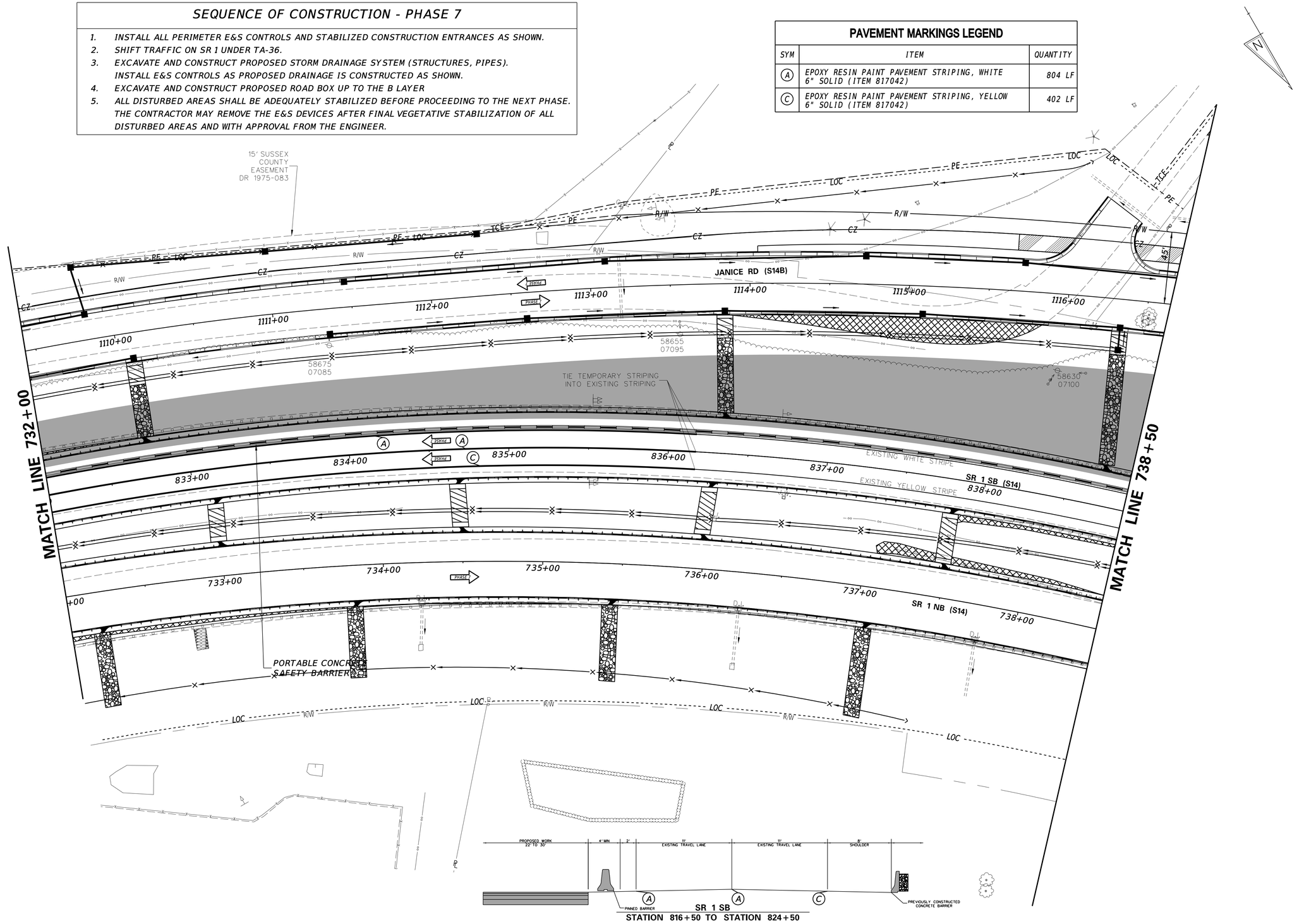
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SEQUENCE OF CONSTRUCTION - PHASE 7

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. SHIFT TRAFFIC ON SR 1 UNDER TA-36.
3. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
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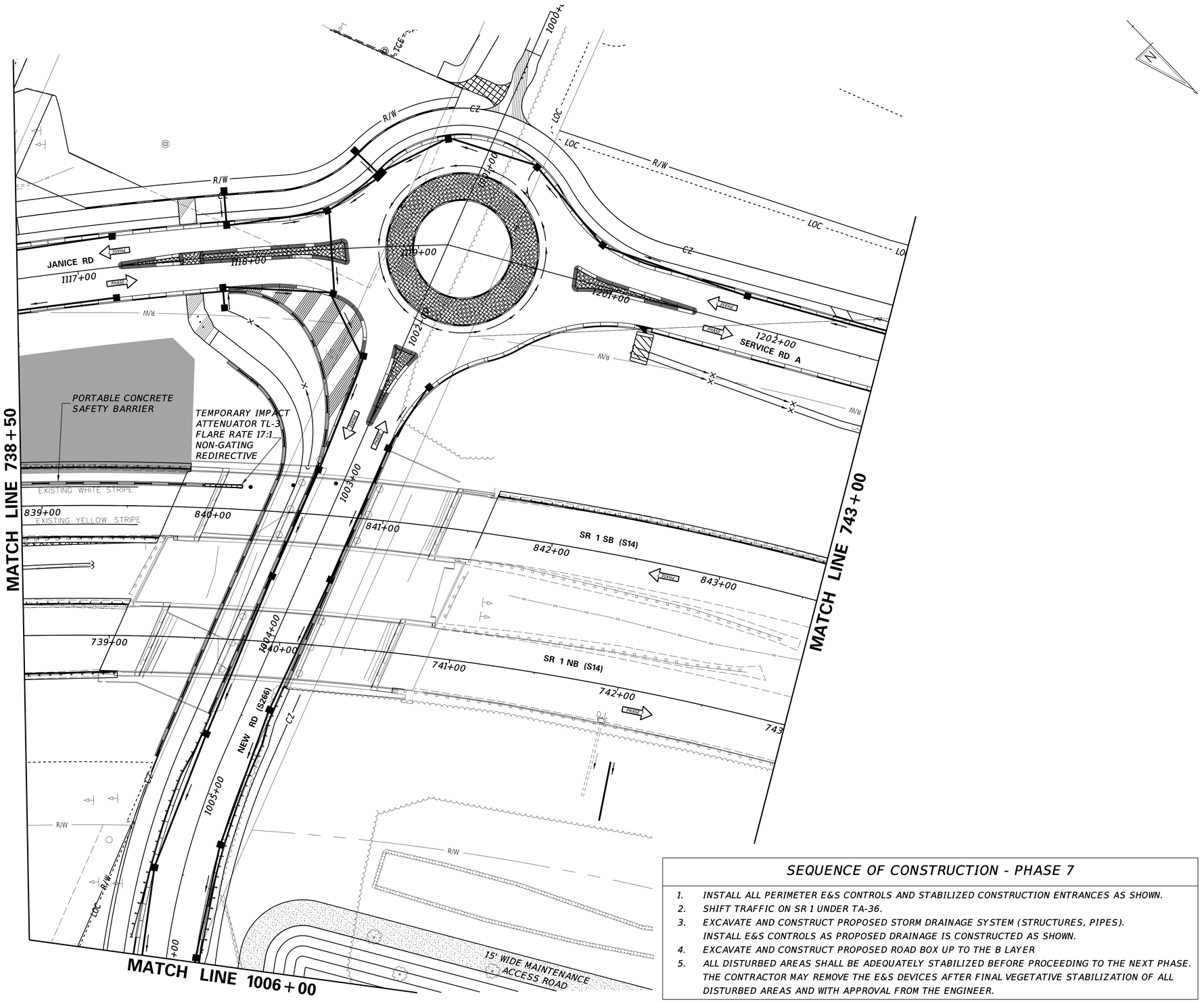
PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	804 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	402 LF



ADDENDA / REVISIONS	SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO. X	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 7	SECTION
	0 30 60 90 FEET		T201612501	DESIGNED BY: N. RIGOLINO		PD
			COUNTY	CHECKED BY: B. BEHRENS		SHEET NO.
			SUSSEX			193

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SEQUENCE OF CONSTRUCTION - PHASE 7

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. SHIFT TRAFFIC ON SR 1 UNDER TA-36.
3. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
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ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 7

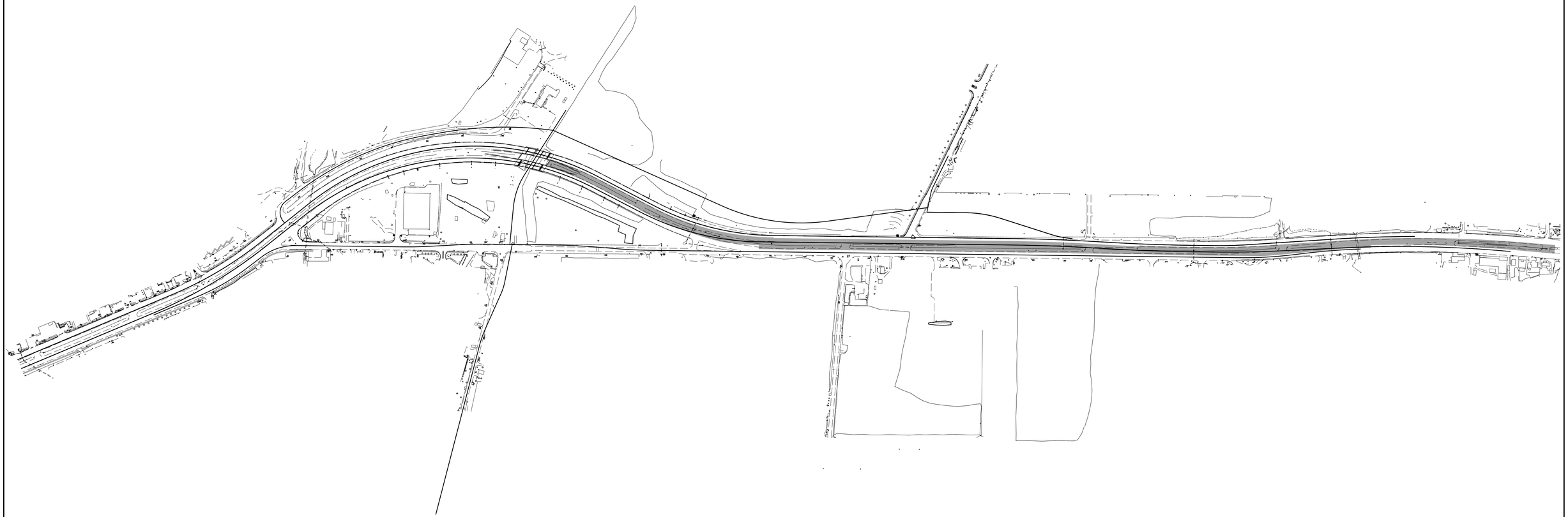
SECTION	SHEET NO.
PD	194

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SEQUENCE OF CONSTRUCTION - PHASE 8

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. SHIFT TRAFFIC ON SR 1 UNDER TA-36.
3. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
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* PHASE 8 CAN BE CONCURRENT WITH PHASE 5



ADDENDA / REVISIONS

SCALE
0 300 600 900
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 8

SECTION	
PD	
SHEET NO.	
195	

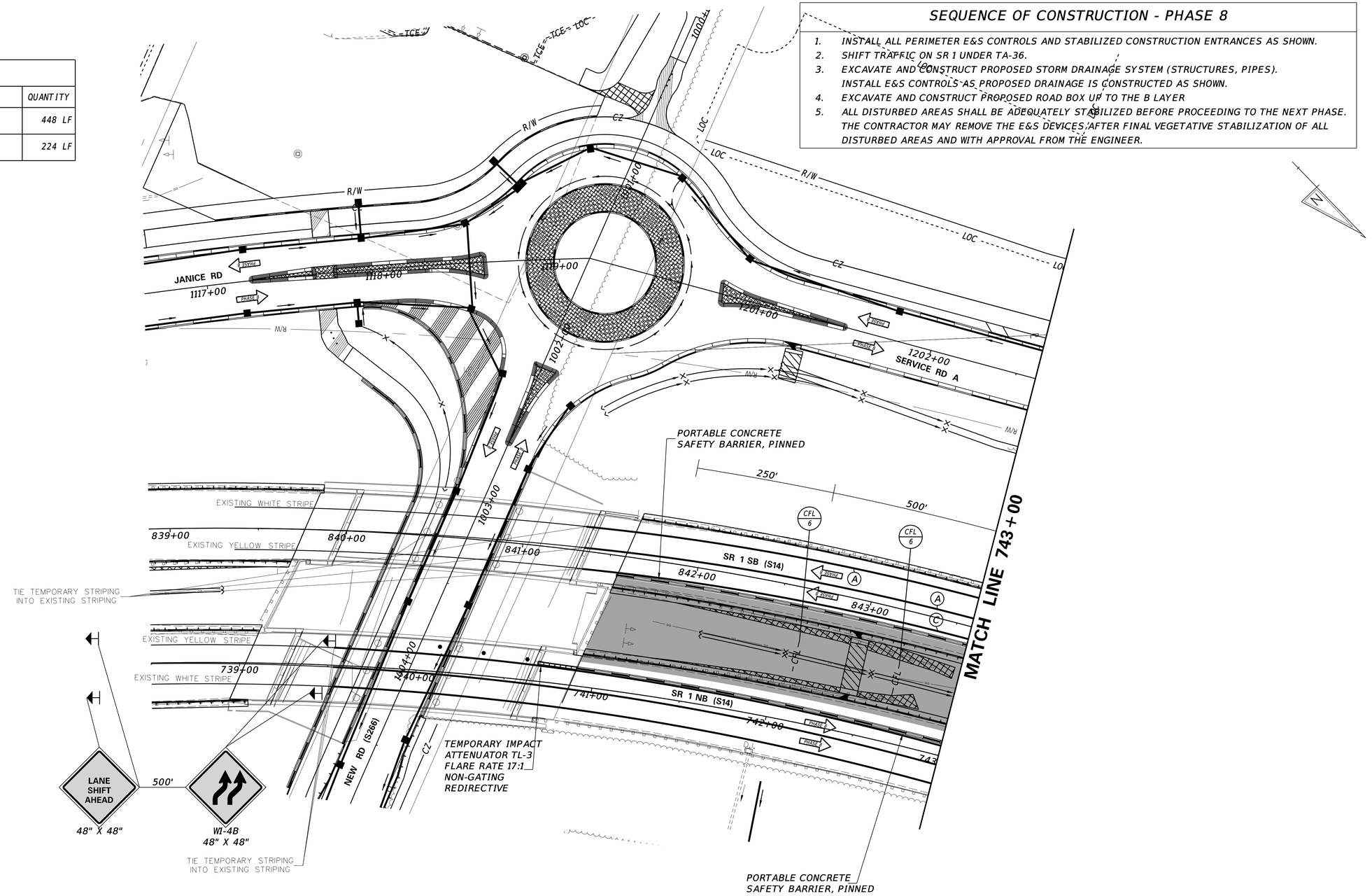
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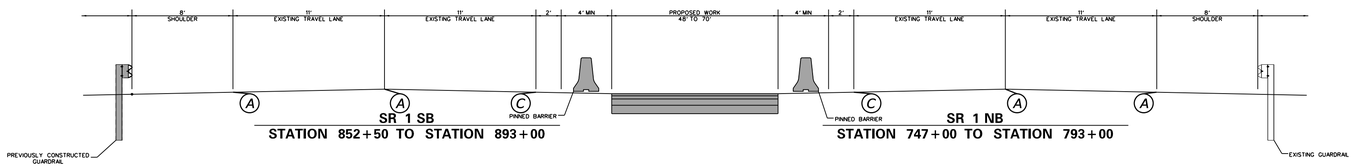
PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	448 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	224 LF

SEQUENCE OF CONSTRUCTION - PHASE 8

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. SHIFT TRAFFIC ON SR 1 UNDER TA-36.
3. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
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ADDENDA / REVISIONS

SCALE
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FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

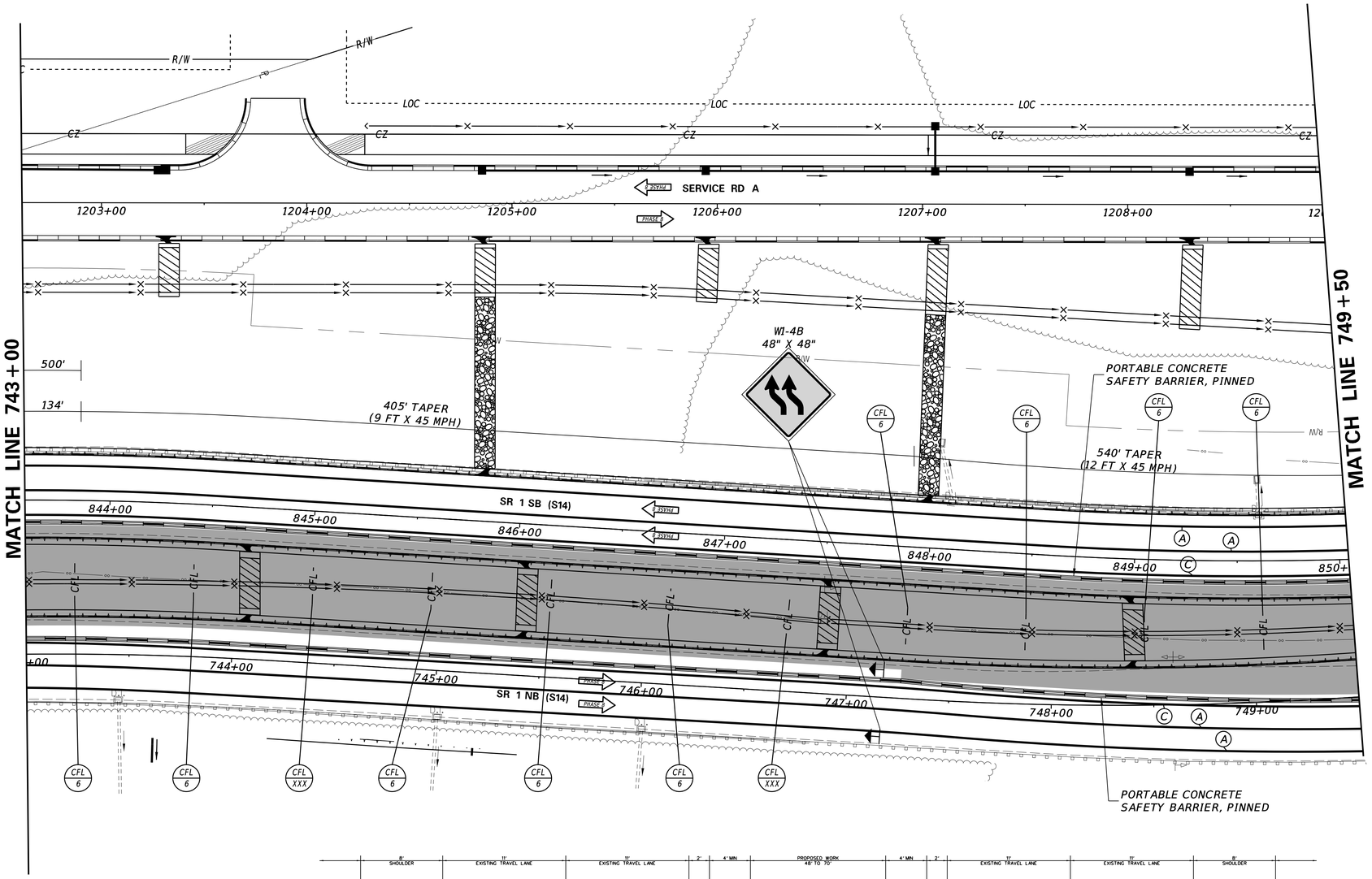
CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

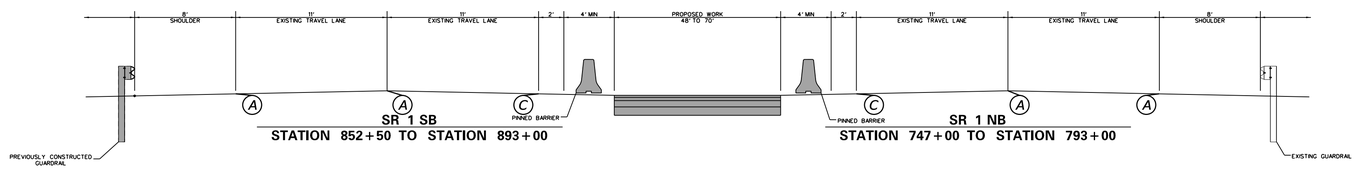
CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 8

SECTION	
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SHEET NO.	
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PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	2,500 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	1,250 LF



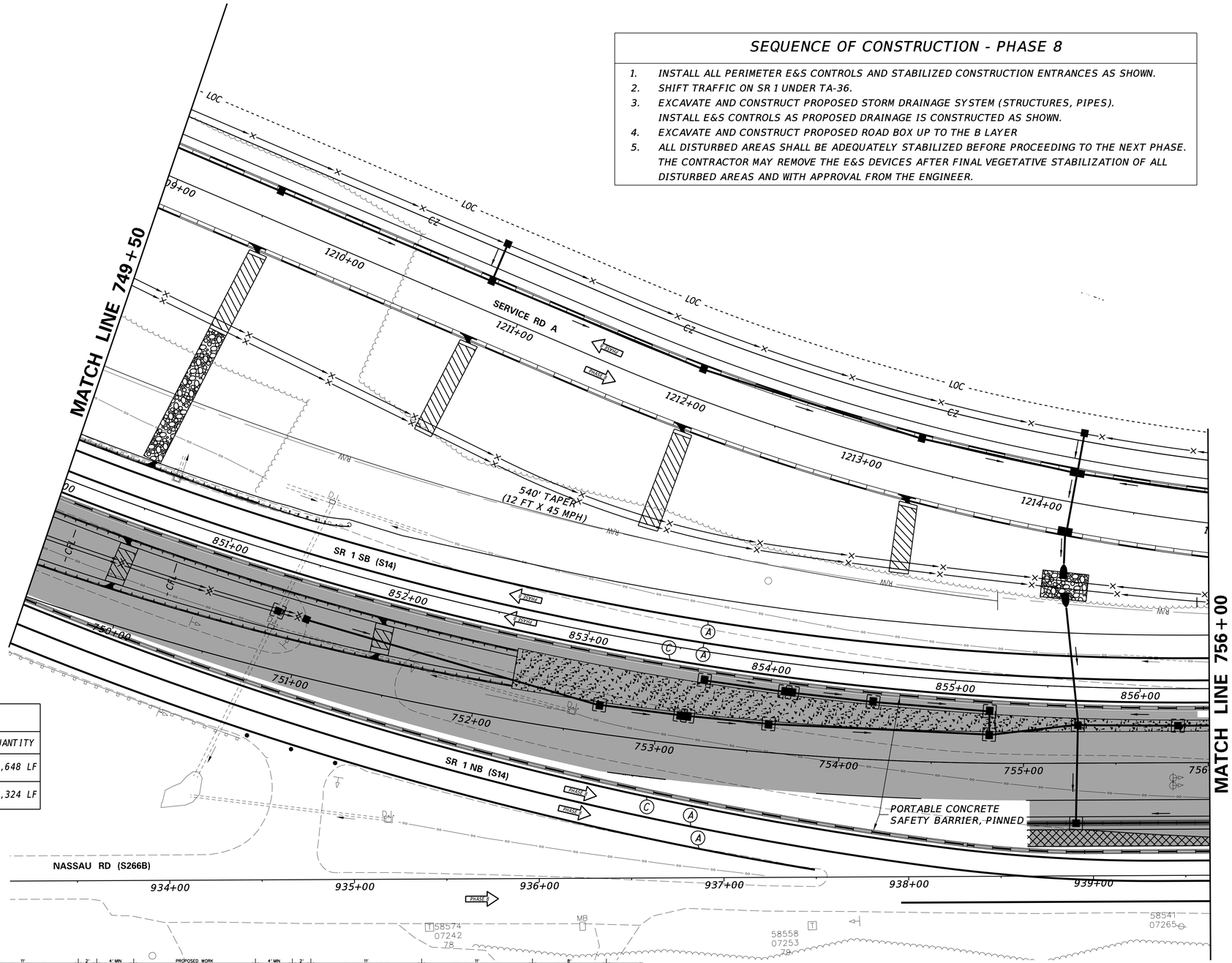


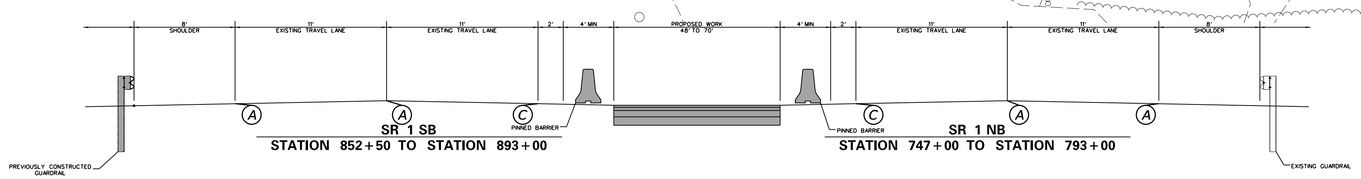
ADDENDA / REVISIONS	SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO.	X	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 8	SECTION
	0 30 60 90 FEET		T201612501	DESIGNED BY: N. RIGOLINO			PD
			COUNTY	CHECKED BY: B. BEHRENS			SHEET NO.
			SUSSEX				197

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SEQUENCE OF CONSTRUCTION - PHASE 8

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. SHIFT TRAFFIC ON SR 1 UNDER TA-36.
3. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
4. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
5. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.





PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
A	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	2,648 LF
C	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	1,324 LF

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

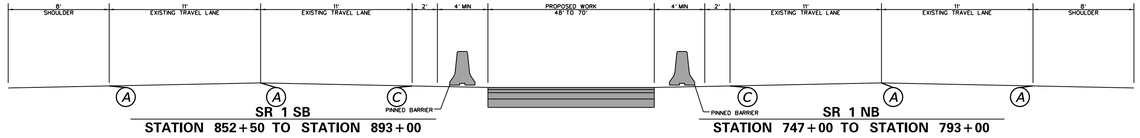
SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 8

SECTION	PD
SHEET NO.	198

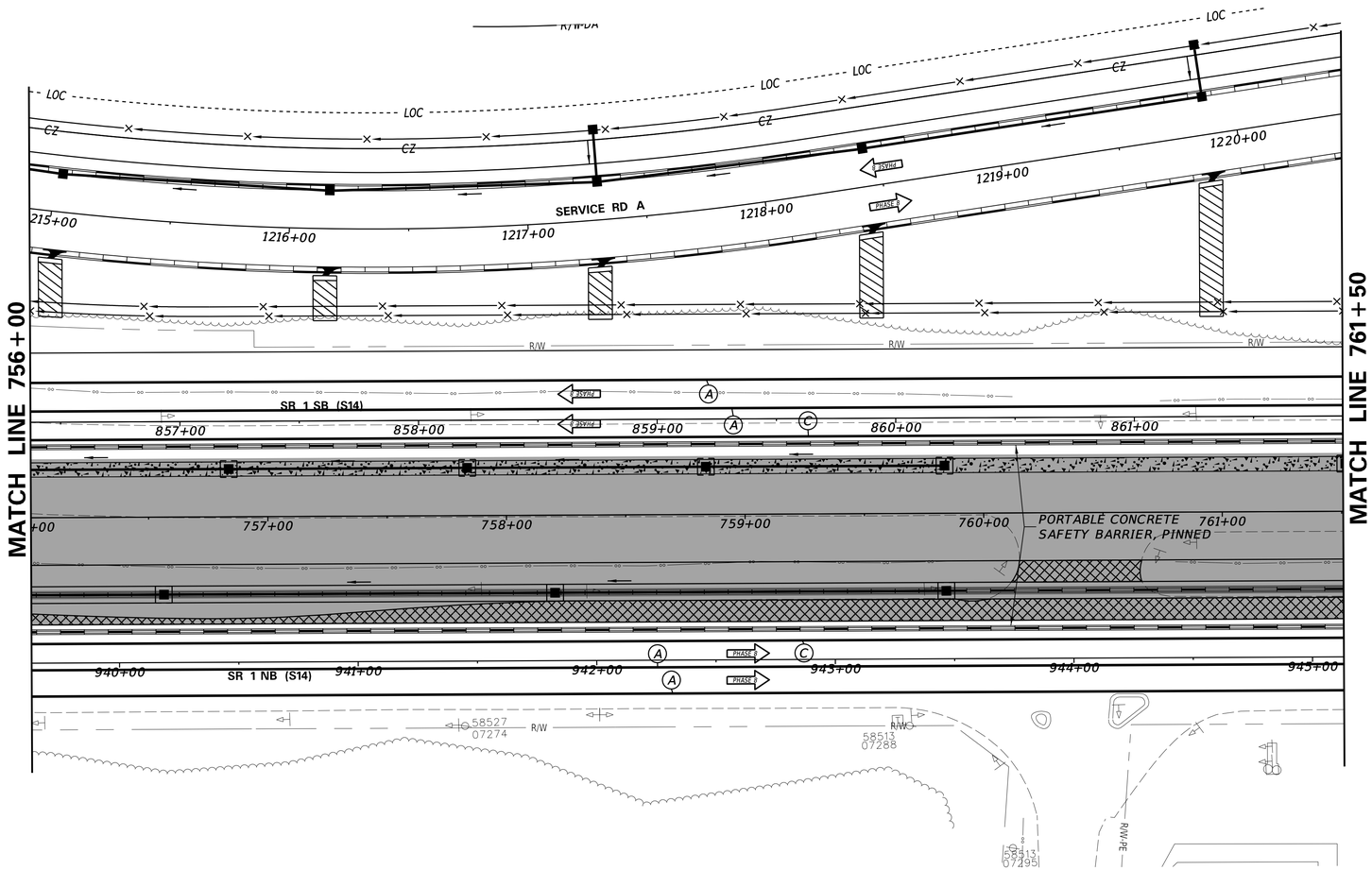
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PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	2,200 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	1,100 LF

SEQUENCE OF CONSTRUCTION - PHASE 8

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. SHIFT TRAFFIC ON SR 1 UNDER TA-36.
3. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
4. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
5. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.



ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 8	SECTION PD
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SHEET NO. 199
					CHECKED BY: B. BEHRENS		

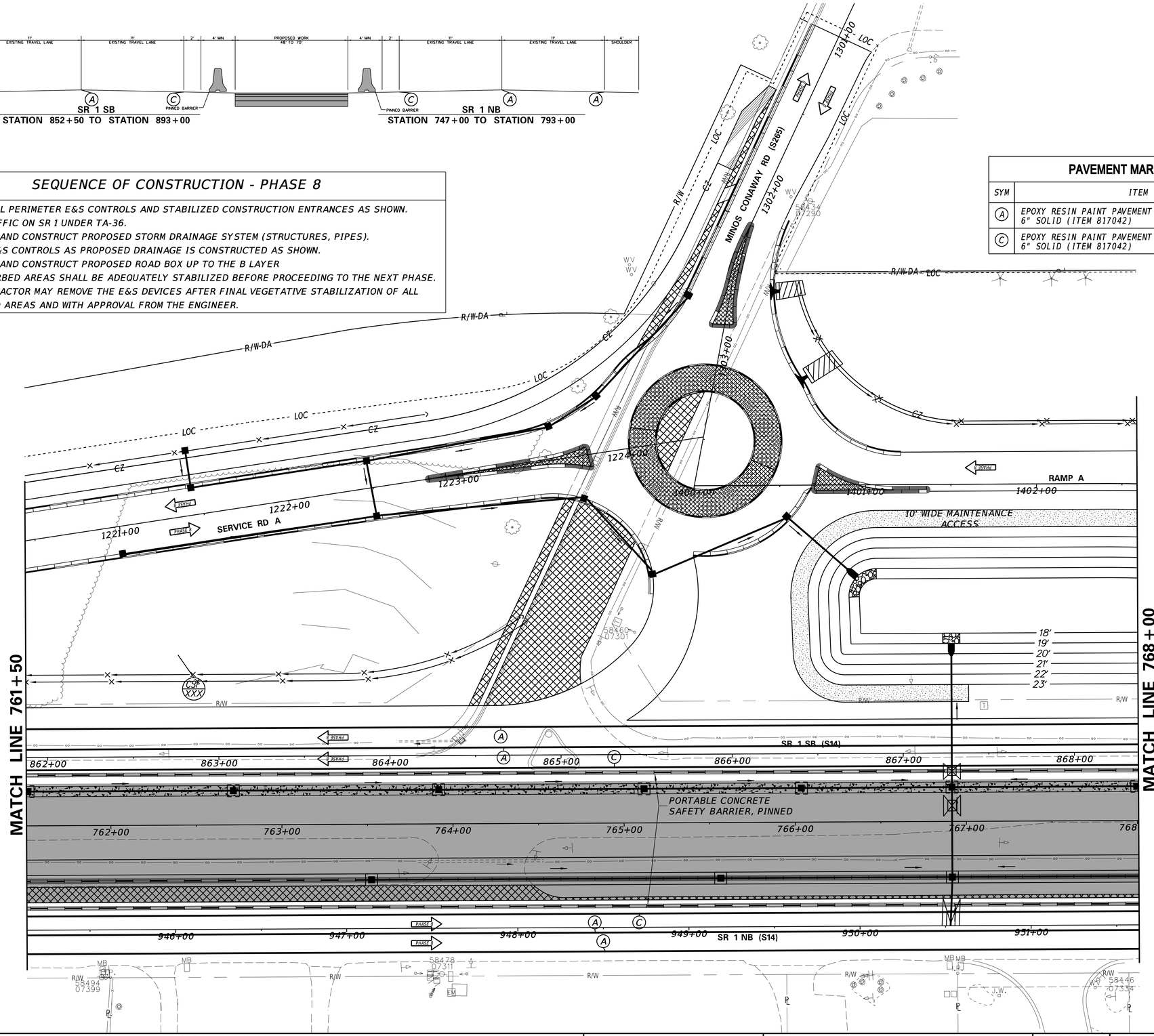
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SEQUENCE OF CONSTRUCTION - PHASE 8

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. SHIFT TRAFFIC ON SR 1 UNDER TA-36.
3. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
4. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
5. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.

PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	2,600 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	1,300 LF



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ADDENDA / REVISIONS

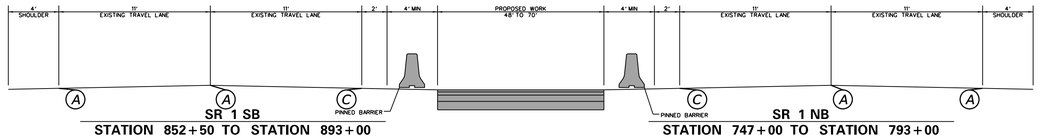
SCALE
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FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

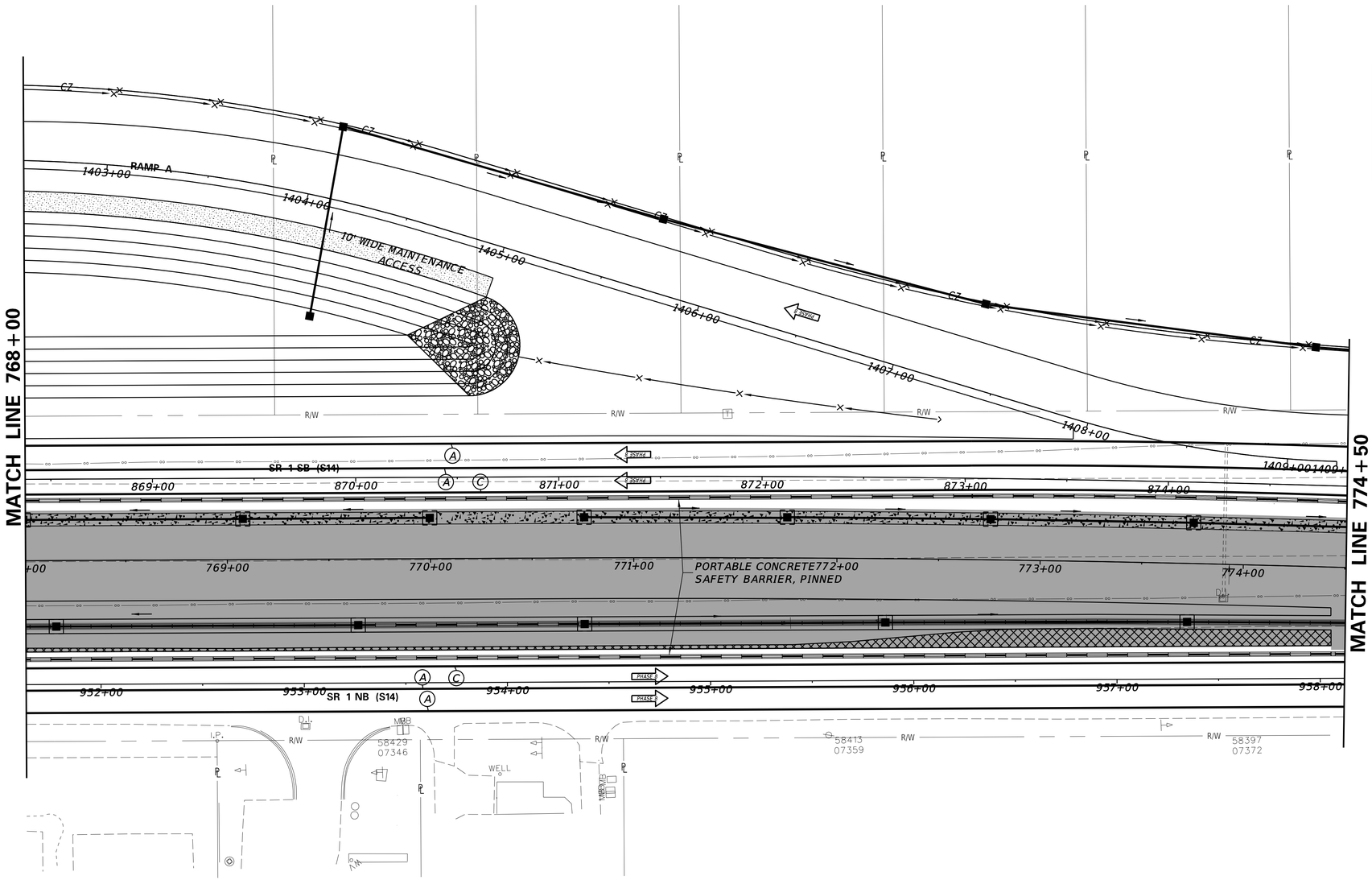
CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 8

SECTION	SHEET NO.
PD	200



SEQUENCE OF CONSTRUCTION - PHASE 8

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. SHIFT TRAFFIC ON SR 1 UNDER TA-36.
3. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
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PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	2,600 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	1,300 LF

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

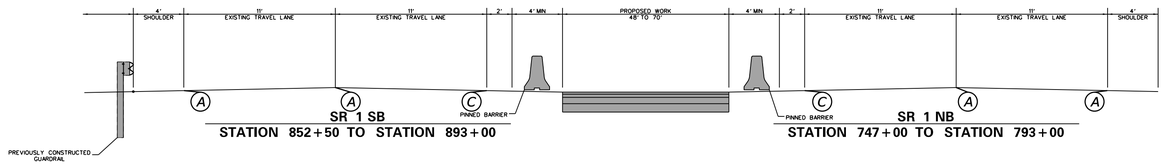
SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

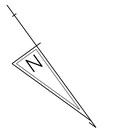
CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 8

SECTION	SHEET NO.
PD	201

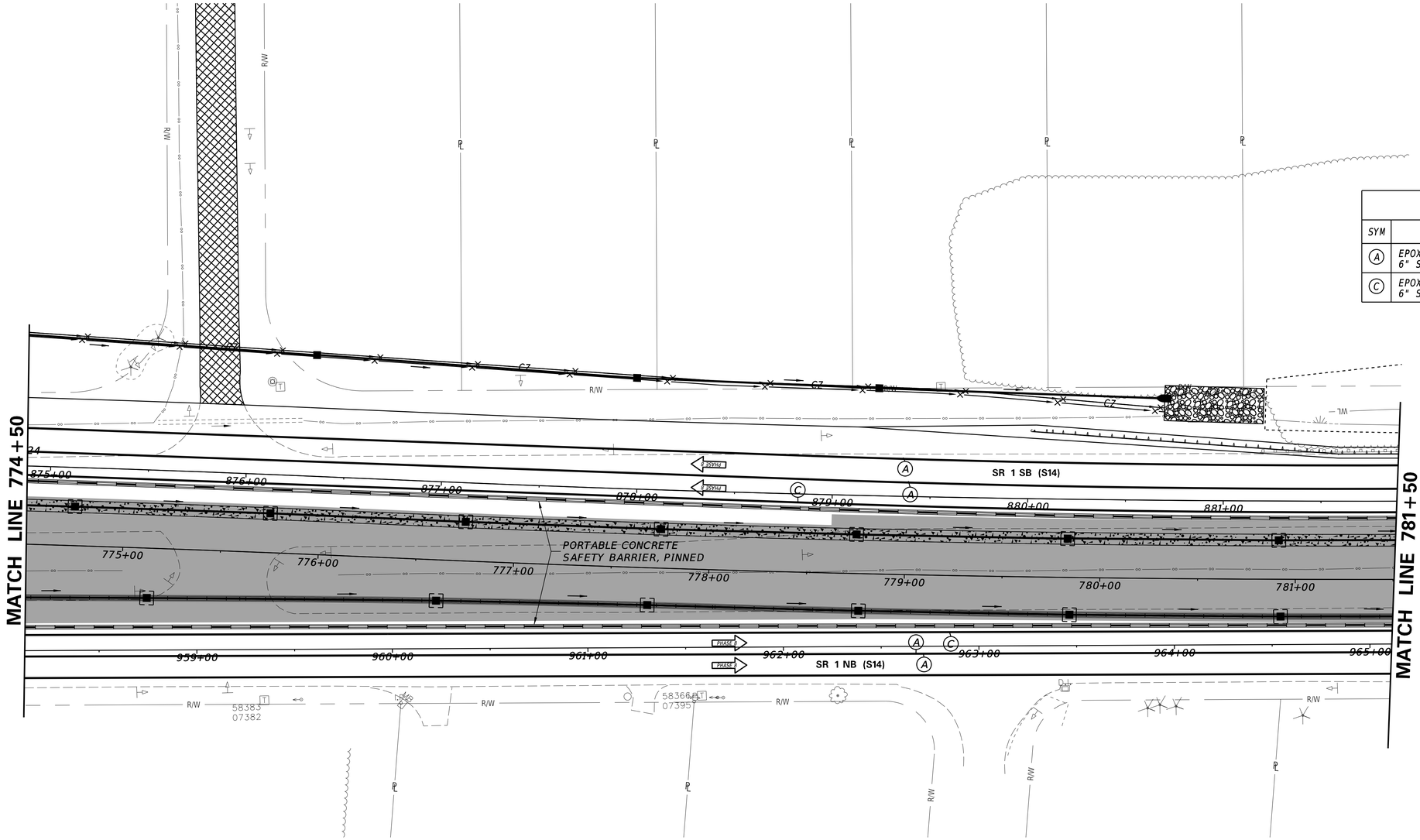
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SEQUENCE OF CONSTRUCTION - PHASE 8

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. SHIFT TRAFFIC ON SR 1 UNDER TA-36.
3. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
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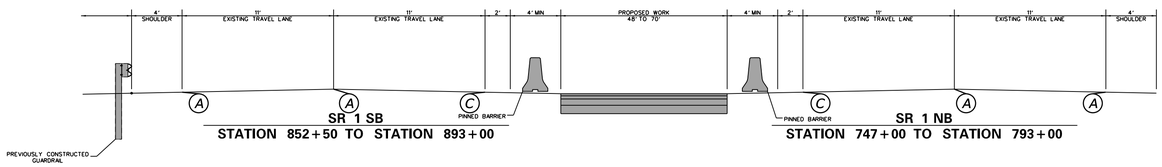


PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	2,800 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	1,400 LF

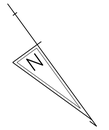
ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 8	SECTION PD
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SHEET NO. 202
					CHECKED BY: B. BEHRENS		

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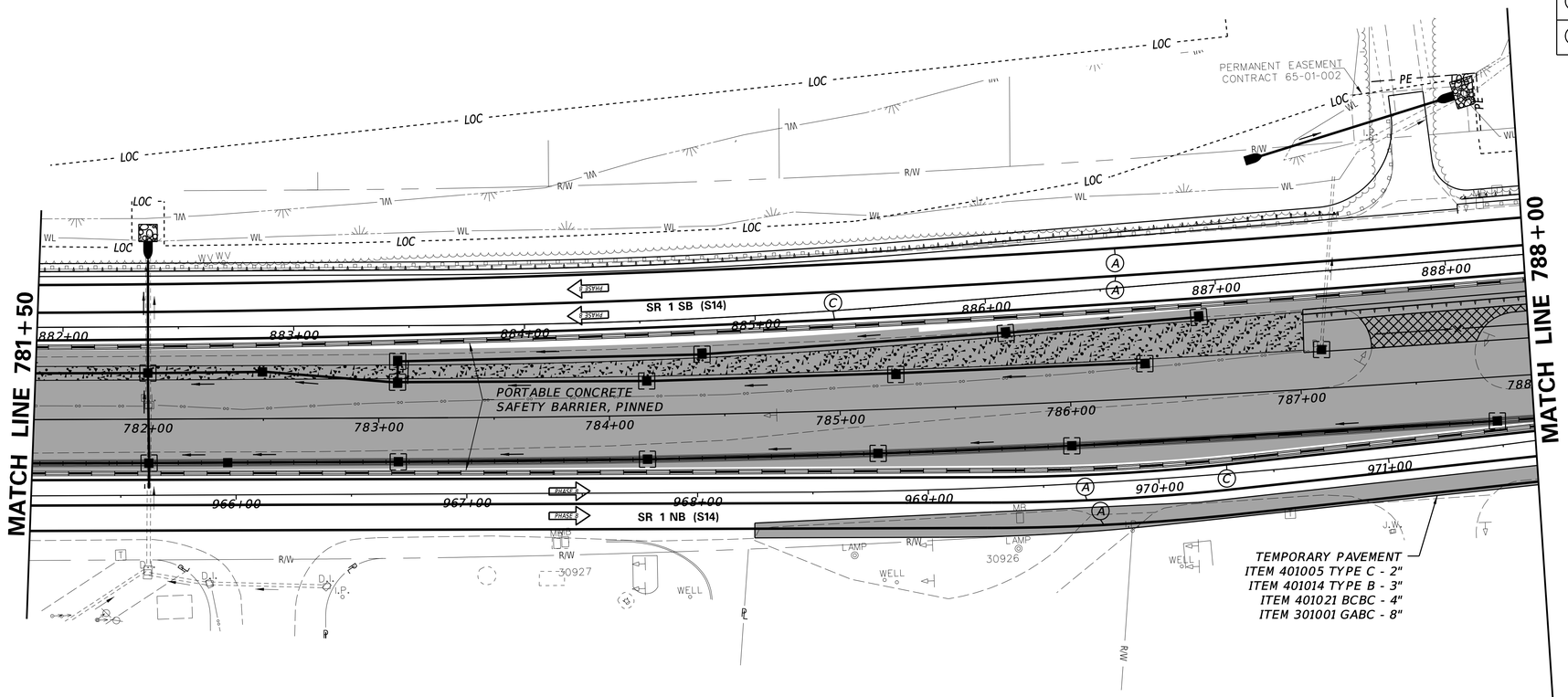
SEQUENCE OF CONSTRUCTION - PHASE 8

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. SHIFT TRAFFIC ON SR 1 UNDER TA-36.
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PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	2,580 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	1,290 LF



ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

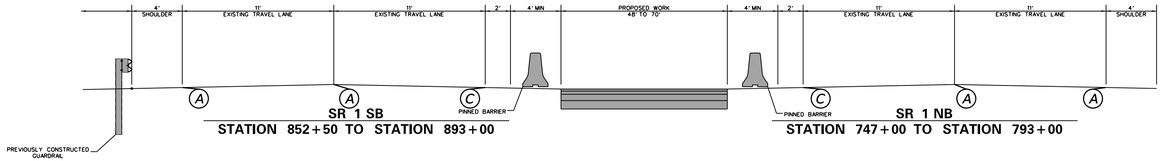
SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

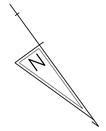
CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 8

SECTION	
PD	
SHEET NO.	
203	

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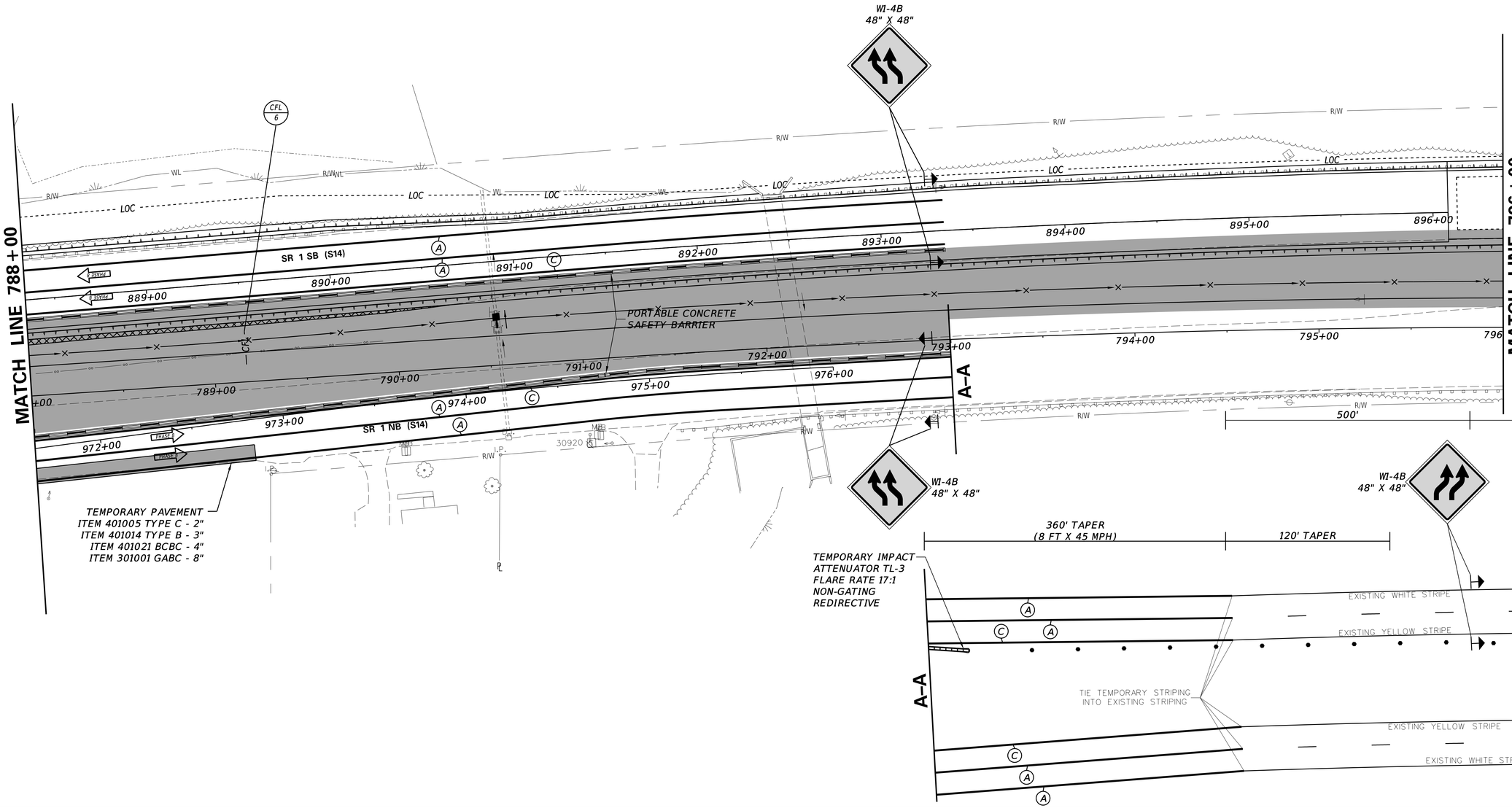


PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	2,008 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	1,004 LF

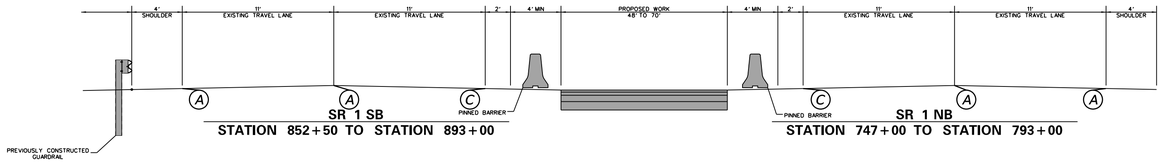
SEQUENCE OF CONSTRUCTION - PHASE 8

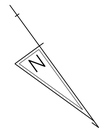
1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. SHIFT TRAFFIC ON SR 1 UNDER TA-36.
3. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
4. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
5. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.



ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 8	SECTION PD
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SHEET NO. 204
					CHECKED BY: B. BEHRENS		

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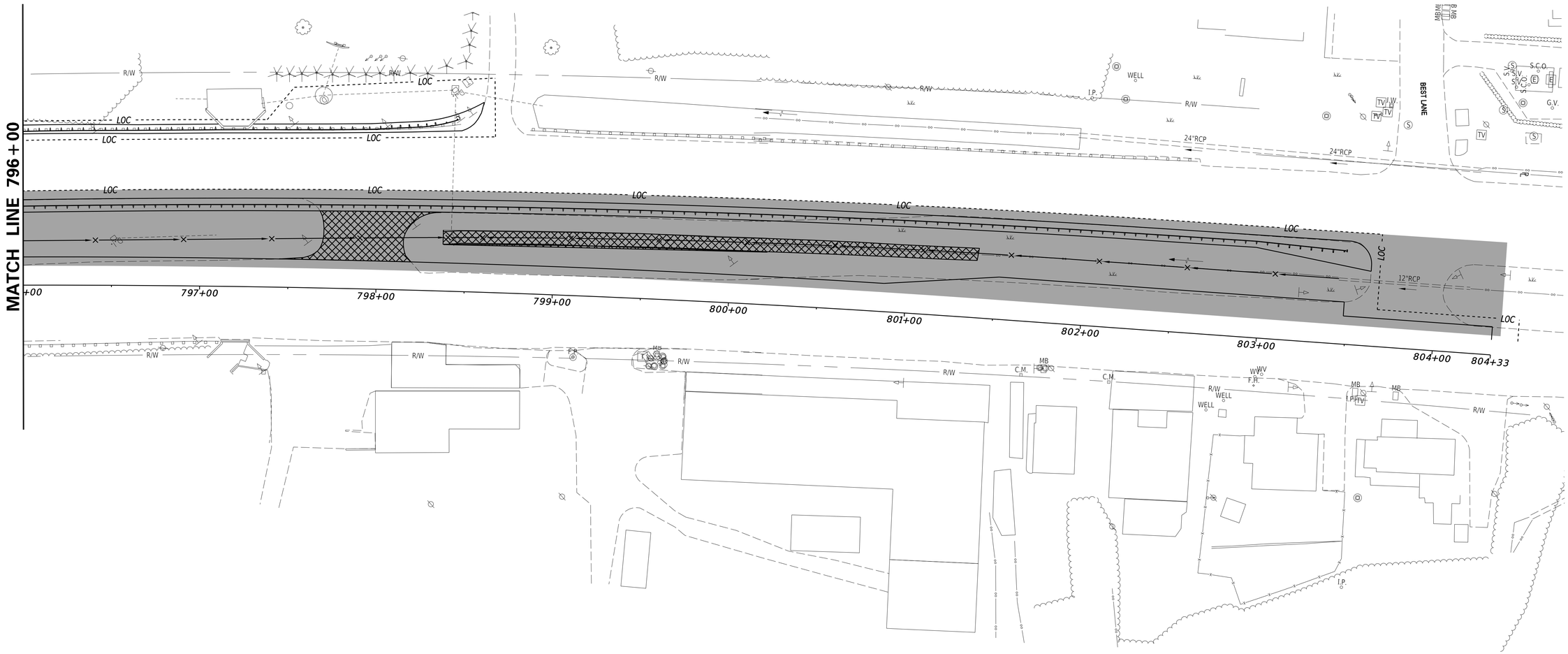


PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
A	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	2,008 LF
C	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	1,004 LF

SEQUENCE OF CONSTRUCTION - PHASE 8

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. SHIFT TRAFFIC ON SR 1 UNDER TA-36.
3. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
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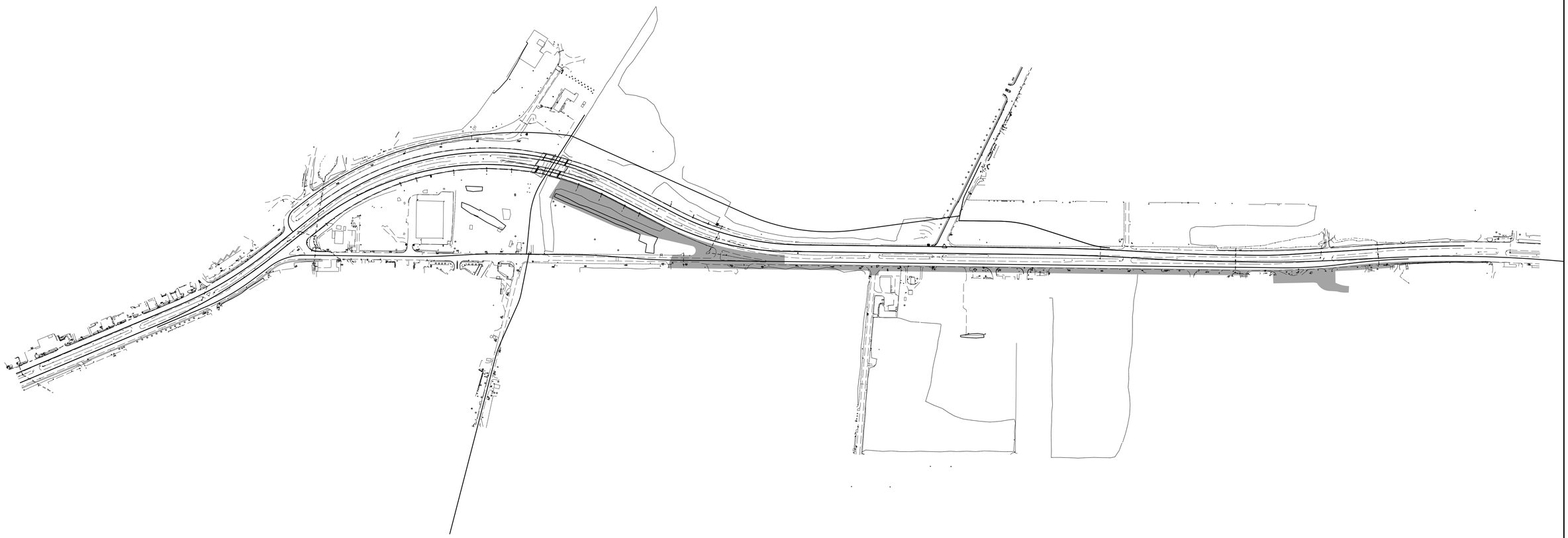


ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 8	SECTION PD
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SHEET NO. 205
					CHECKED BY: B. BEHRENS		

22-AUG-2024
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SEQUENCE OF CONSTRUCTION - PHASE 9

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. SHIFT TRAFFIC ON NASSAU RD UNDER TA-10.
3. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
4. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
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ADDENDA / REVISIONS

SCALE
0 300 600 900
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 9

SECTION	
PD	
SHEET NO.	
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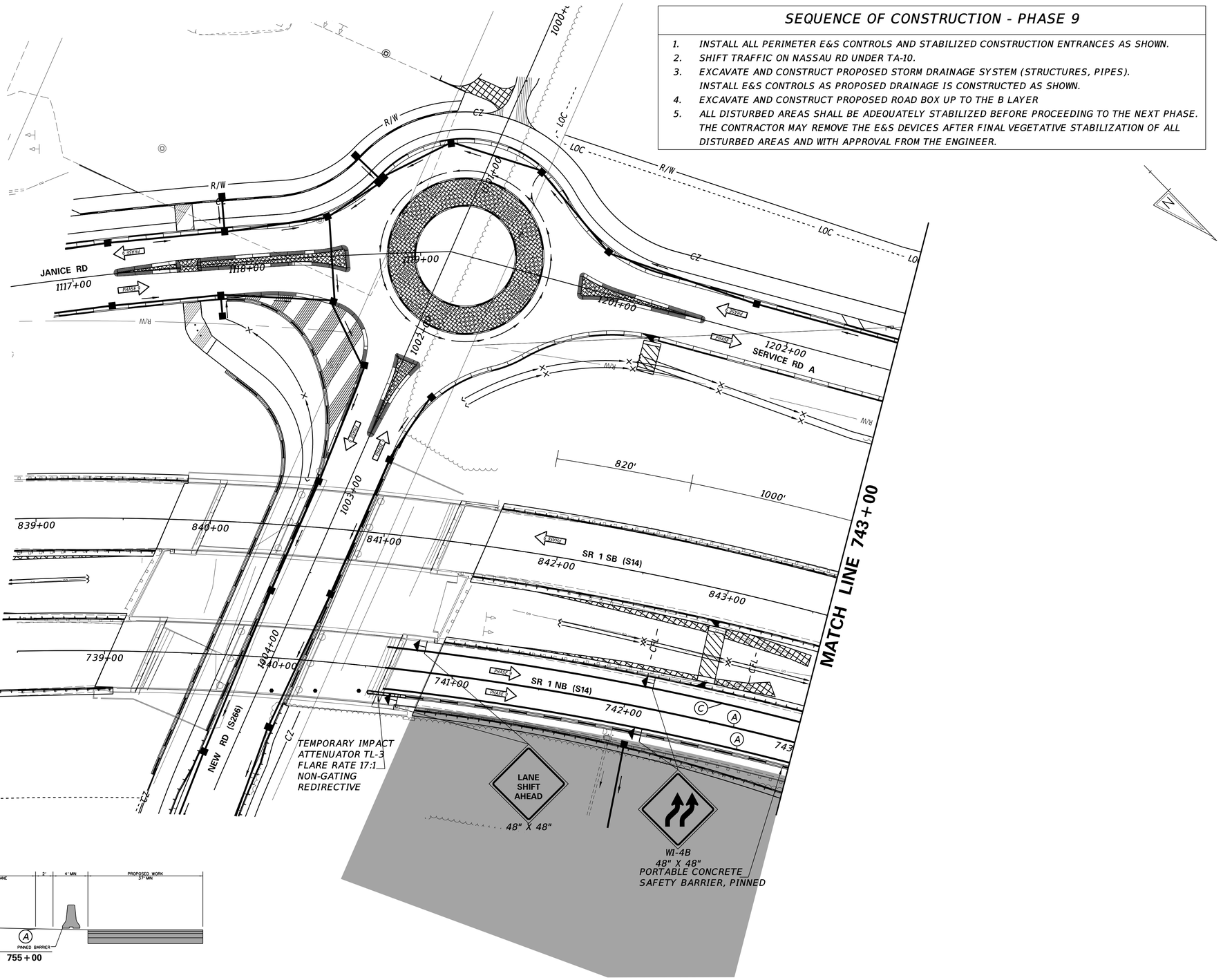
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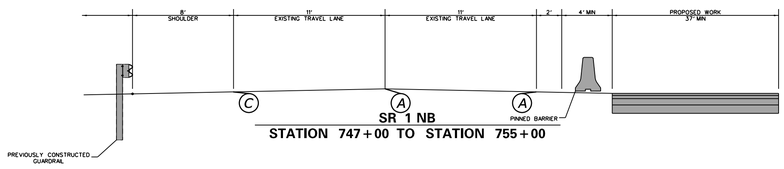
SEQUENCE OF CONSTRUCTION - PHASE 9

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. SHIFT TRAFFIC ON NASSAU RD UNDER TA-10.
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PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	480 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	240 LF





ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 9

SECTION	
PD	
SHEET NO.	
207	

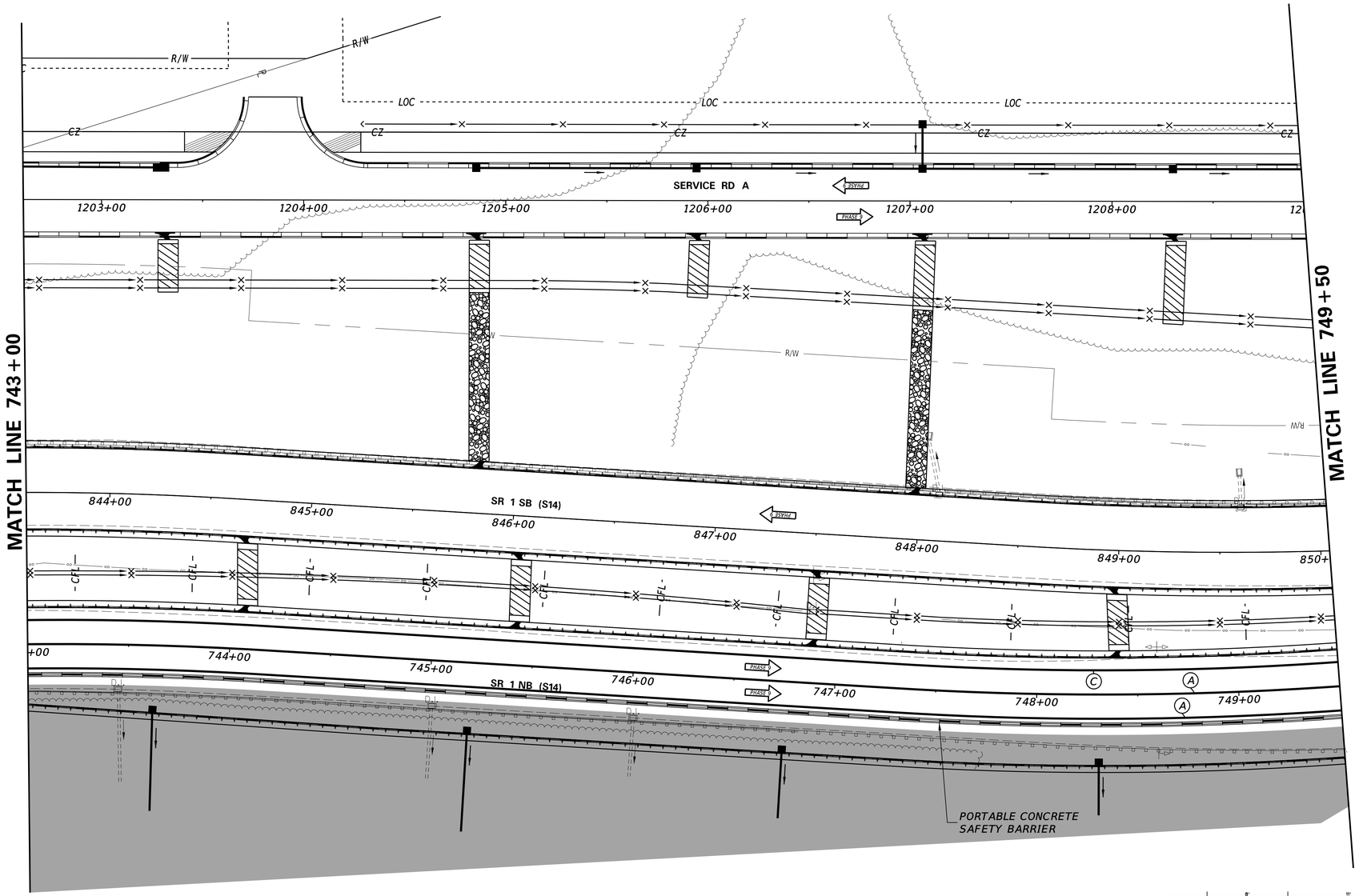
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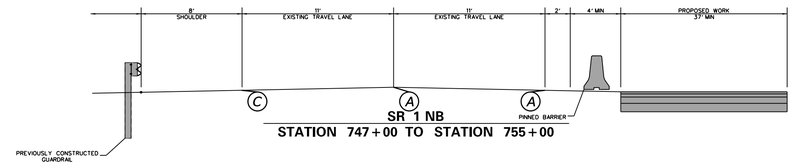
PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	1,300 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	650 LF

SEQUENCE OF CONSTRUCTION - PHASE 9

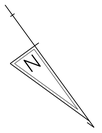
1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. SHIFT TRAFFIC ON NASSAU RD UNDER TA-10.
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ADDENDA / REVISIONS	SCALE		CONTRACT	BRIDGE NO.	X	SECTION
	0 30 60 90	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	T201612501	DESIGNED BY: N. RIGOLINO	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 9	PD
	FEET		COUNTY	CHECKED BY: B. BEHRENS		SHEET NO.
			SUSSEX			208

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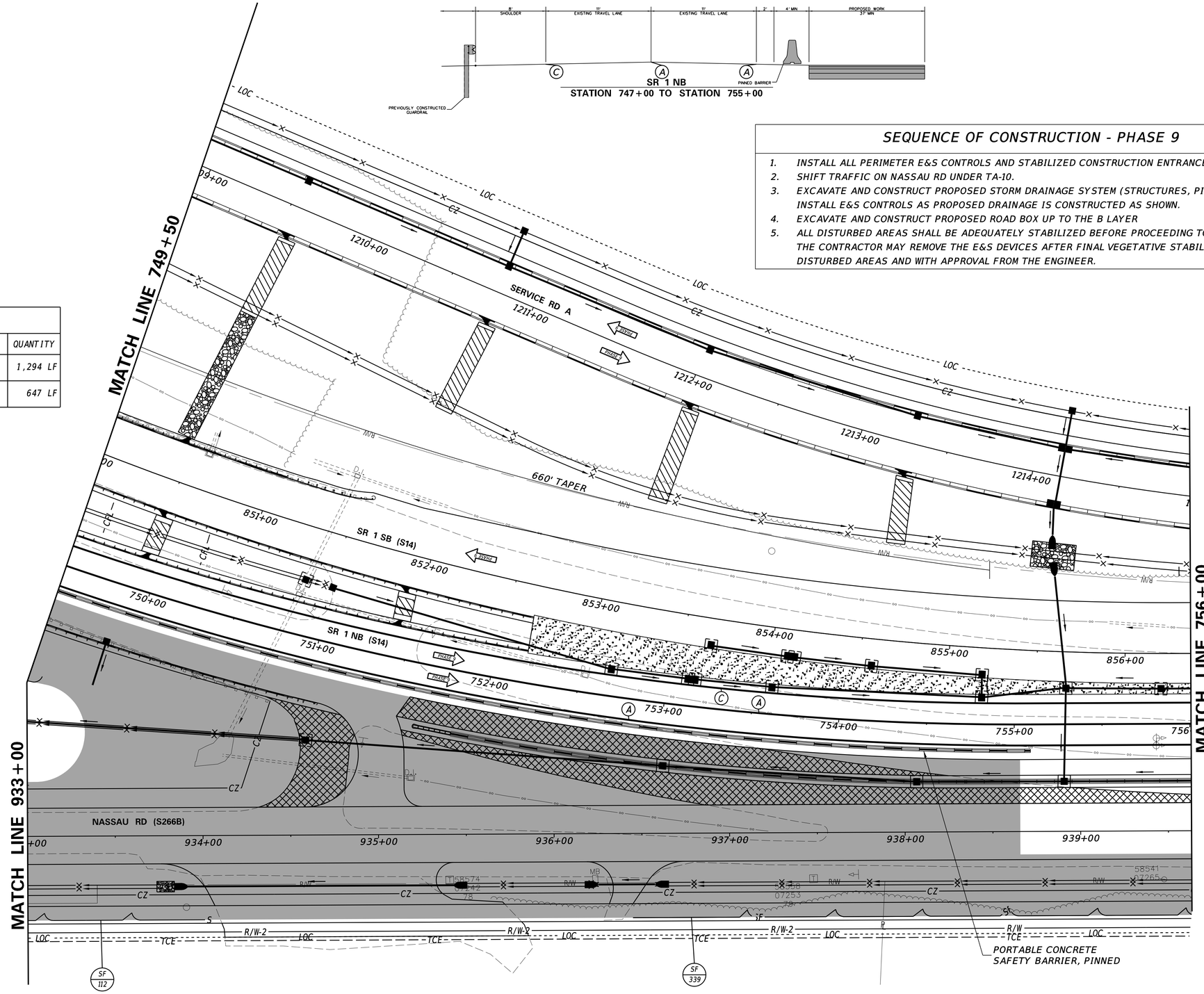


SEQUENCE OF CONSTRUCTION - PHASE 9

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. SHIFT TRAFFIC ON NASSAU RD UNDER TA-10.
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PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	1,294 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	647 LF



ADDENDA / REVISIONS	SCALE		CONTRACT	BRIDGE NO.	X	SECTION
	0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	T201612501	DESIGNED BY: N. RIGOLINO	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 9	PD
			COUNTY: SUSSEX	CHECKED BY: B. BEHRENS		SHEET NO. 209

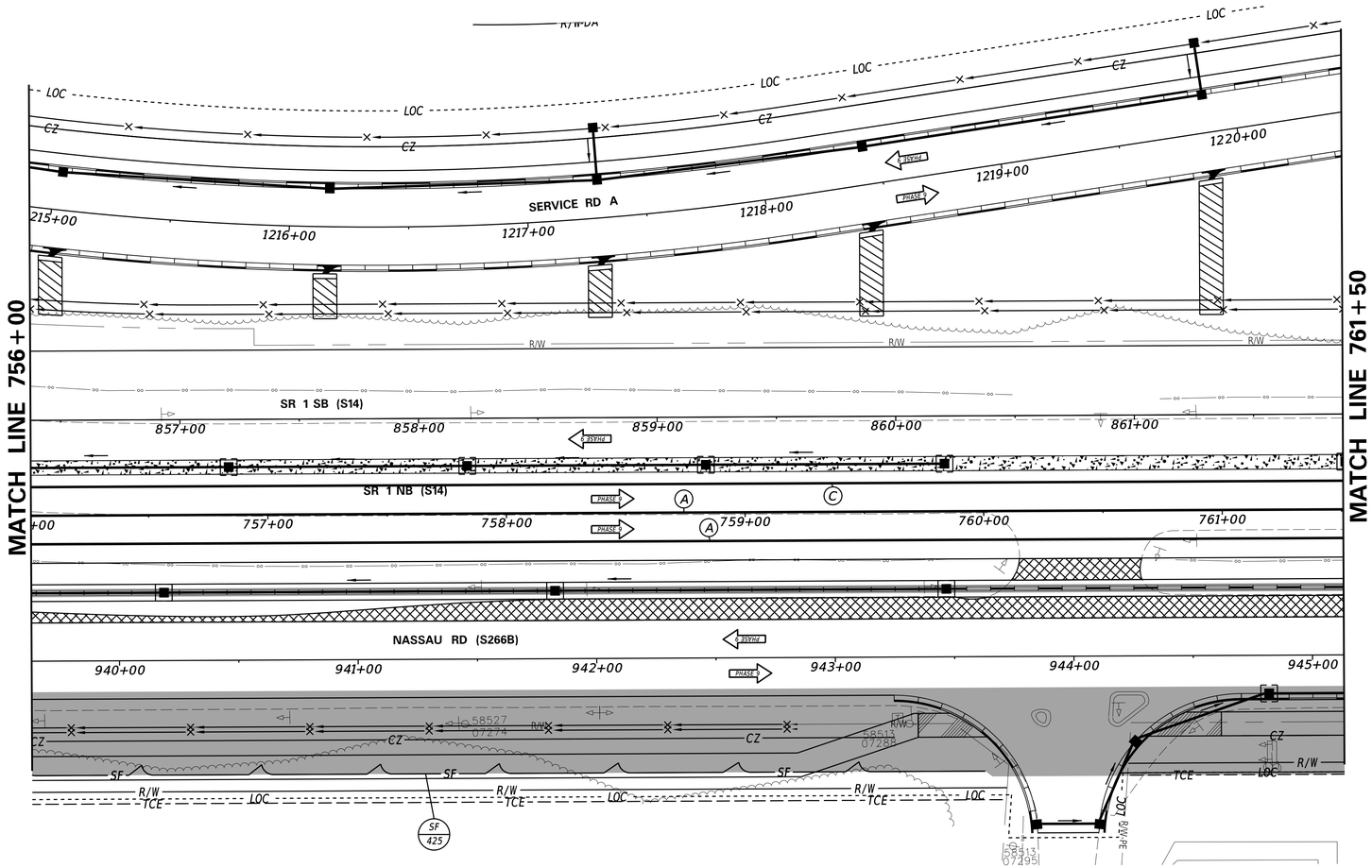
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PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	1,100 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	550 LF

SEQUENCE OF CONSTRUCTION - PHASE 9

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. SHIFT TRAFFIC ON NASSAU RD UNDER TA-10.
3. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
4. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
5. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.



ADDENDA / REVISIONS	SCALE		CONTRACT	BRIDGE NO.	X		SECTION
	0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	T201612501	DESIGNED BY: N. RIGOLINO		CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 9	PD
			COUNTY SUSSEX	CHECKED BY: B. BEHRENS			SHEET NO. 210

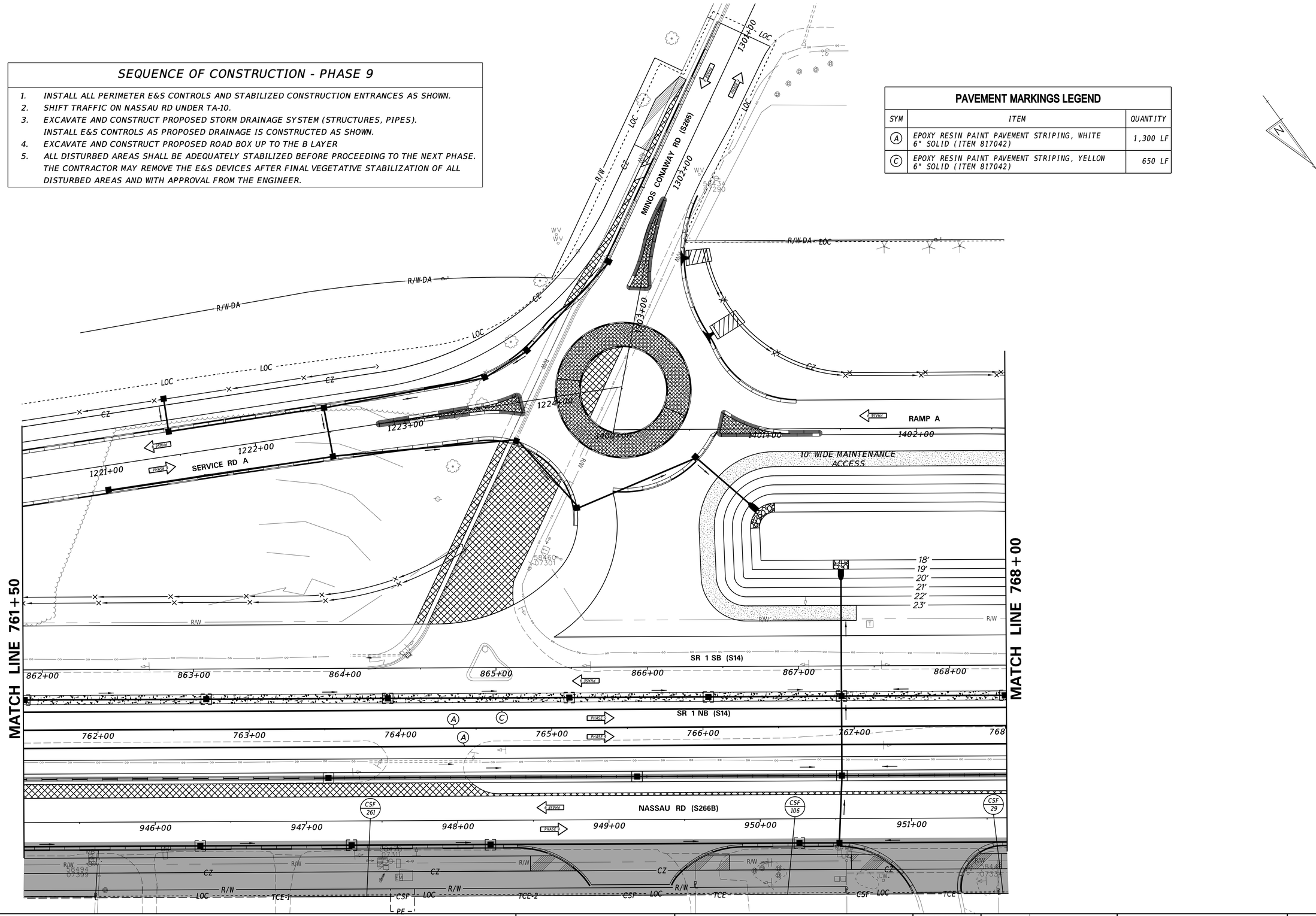
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SEQUENCE OF CONSTRUCTION - PHASE 9

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. SHIFT TRAFFIC ON NASSAU RD UNDER TA-10.
3. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
4. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
5. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.

PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	1,300 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	650 LF



ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

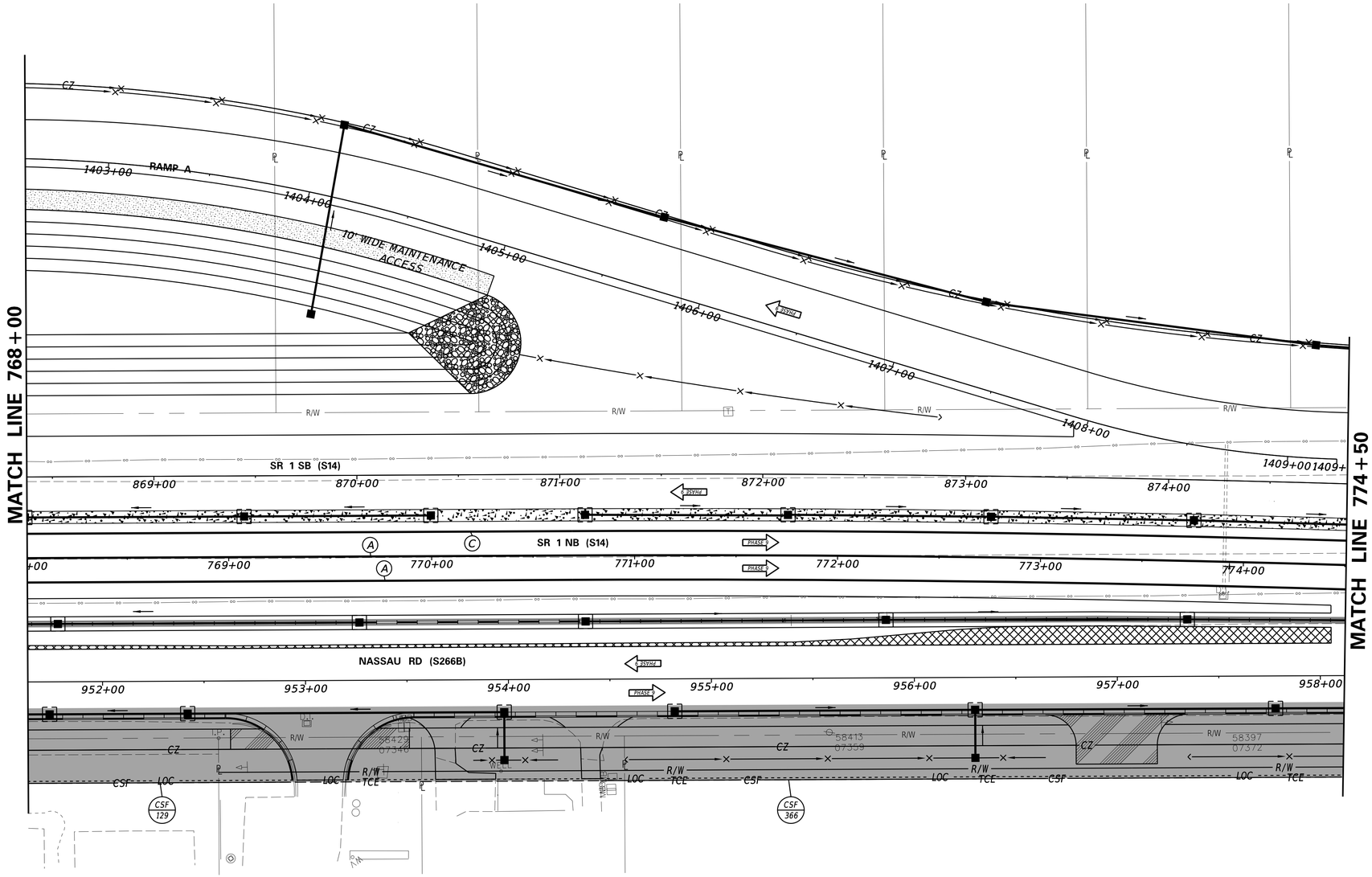
CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 9

SECTION	SHEET NO.
PD	211

22-AUG-2024
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SEQUENCE OF CONSTRUCTION - PHASE 9

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. SHIFT TRAFFIC ON NASSAU RD UNDER TA-10.
3. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
4. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
5. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.



PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	1,300 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	650 LF

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

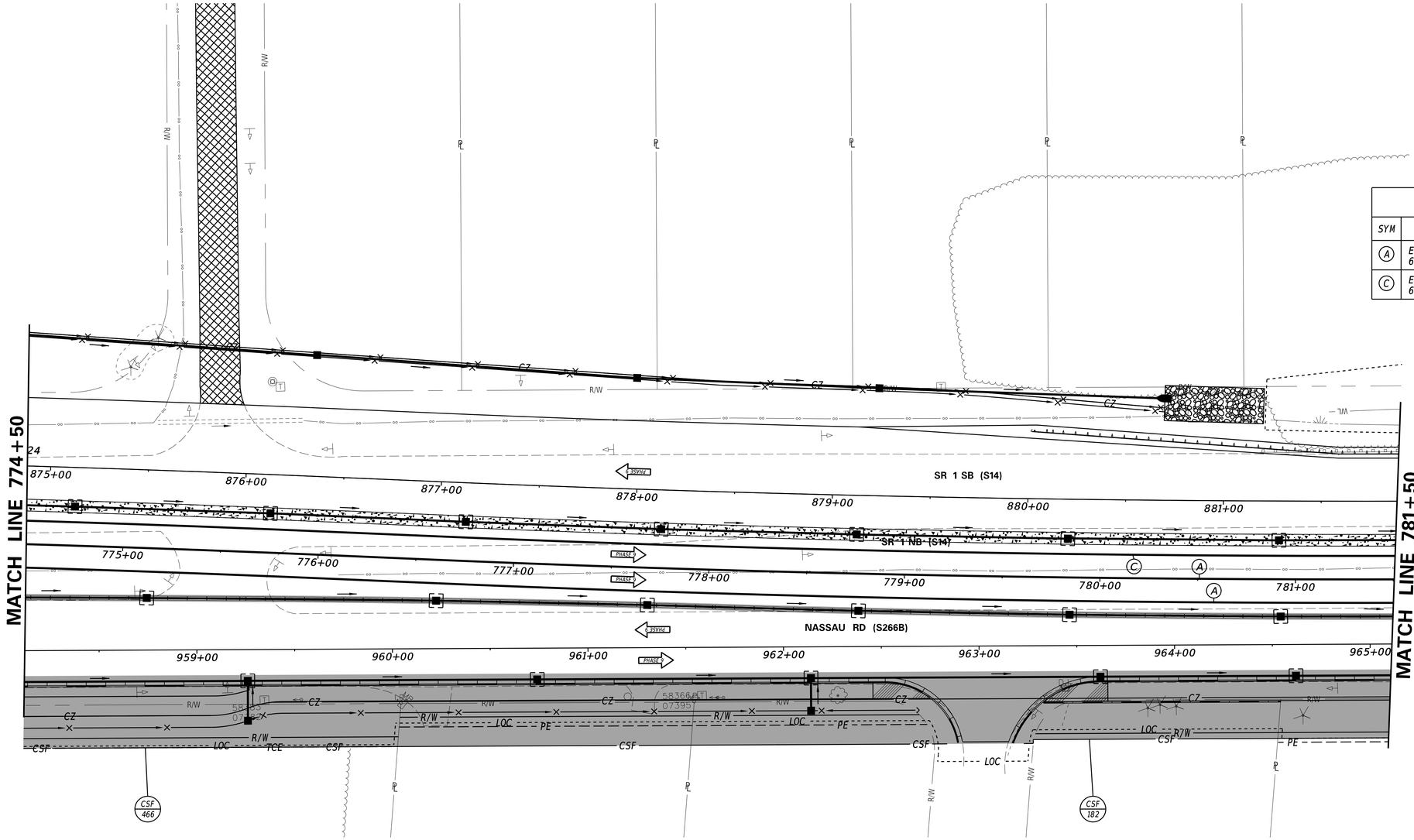
CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 9

SECTION	
PD	
SHEET NO.	
212	

23-AUG-2024
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SEQUENCE OF CONSTRUCTION - PHASE 9

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. SHIFT TRAFFIC ON NASSAU RD UNDER TA-10.
3. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
4. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
5. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.



PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	2,648 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	1,324 LF

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

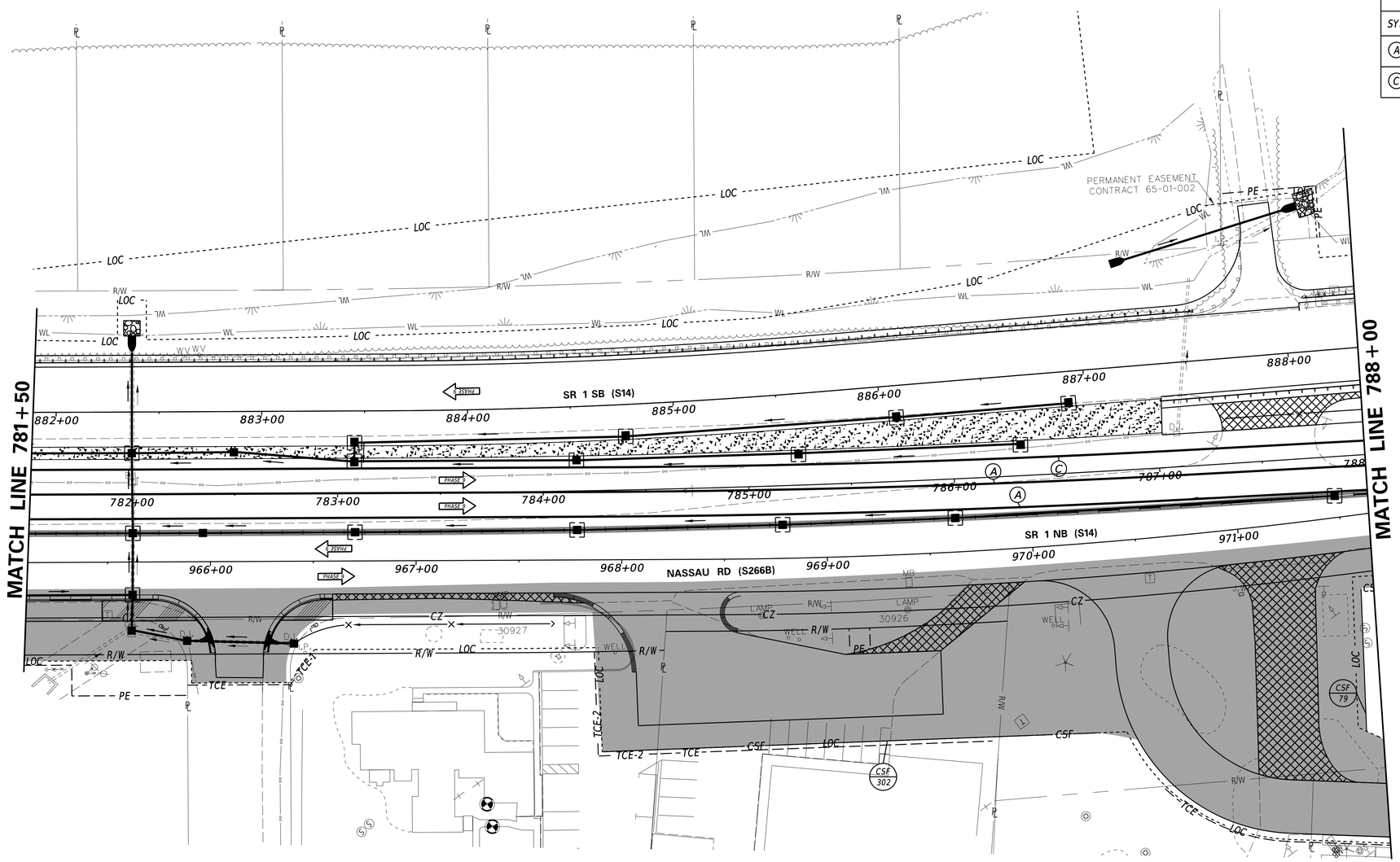
CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 9

SECTION: PD
SHEET NO.: 213

22-AUG-2024
08:28
Y:\SUSSEX\014\road\T201612501\Plans\CS09 7.dgn

SEQUENCE OF CONSTRUCTION - PHASE 9

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. SHIFT TRAFFIC ON NASSAU RD UNDER TA-10.
3. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
4. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
5. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.



PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	1,338 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	669 LF

22-AUG-2024
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ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

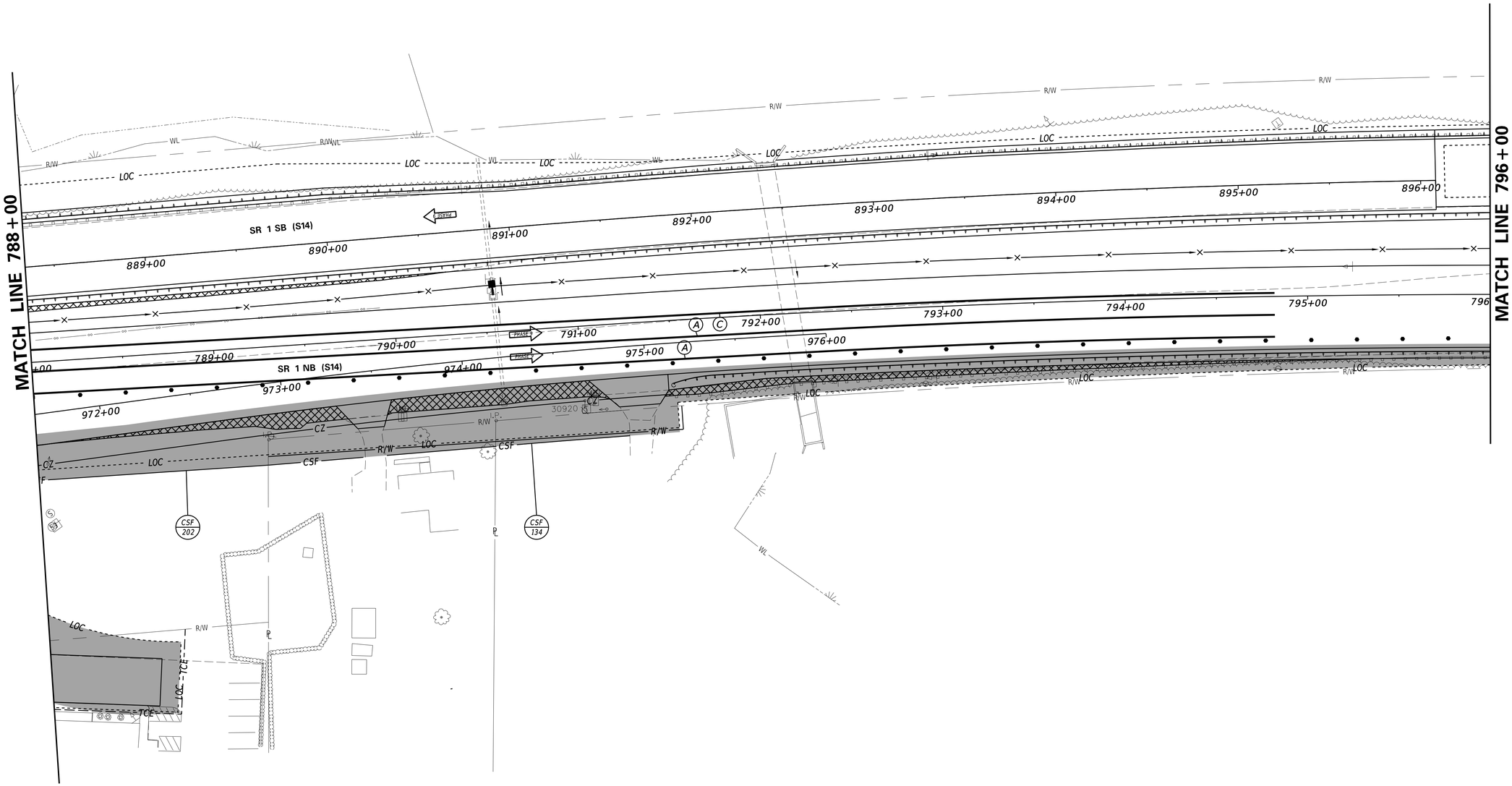
CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 9

SECTION	
PD	
SHEET NO.	
214	

PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	1,546 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	773 LF

SEQUENCE OF CONSTRUCTION - PHASE 9

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. SHIFT TRAFFIC ON NASSAU RD UNDER TA-10.
3. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
4. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
5. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.



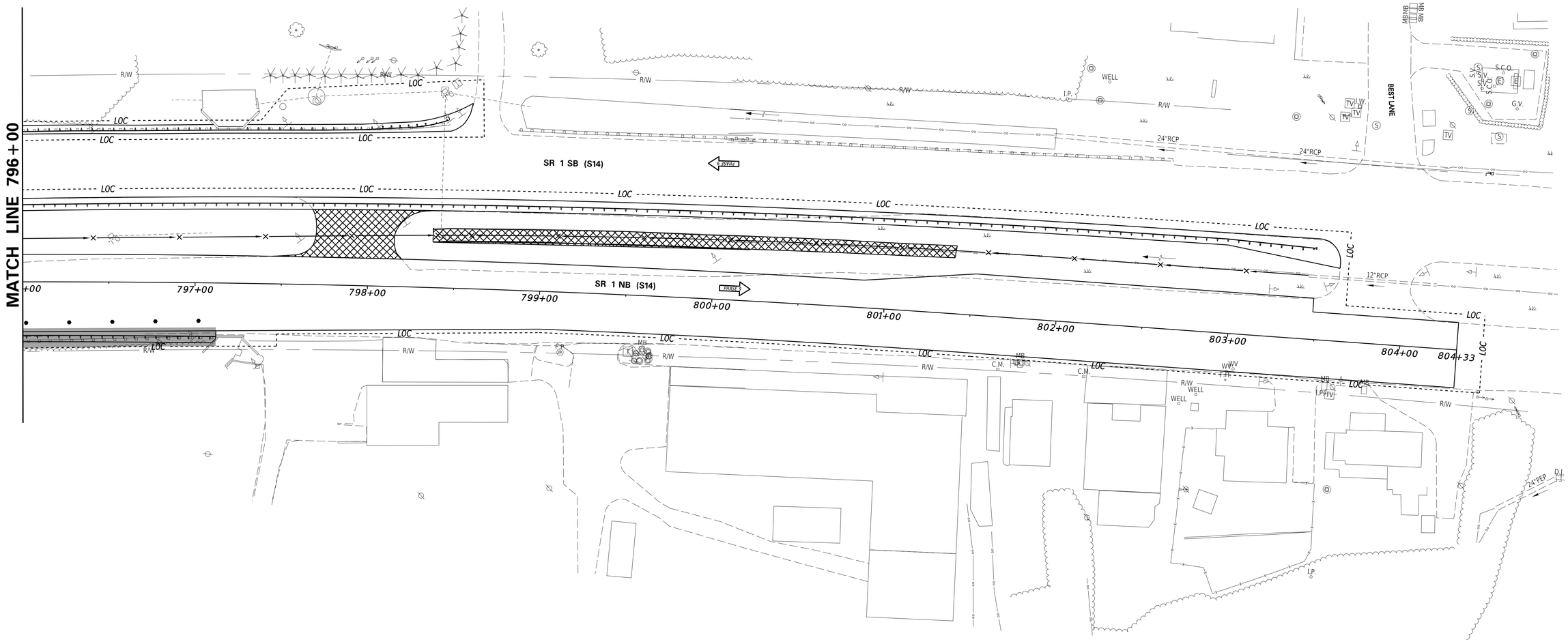
ADDENDA / REVISIONS	SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO.	X	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 9	SECTION
	0 30 60 90 FEET		T201612501	DESIGNED BY: N. RIGOLINO			PD
			COUNTY	CHECKED BY: B. BEHRENS			SHEET NO.
			SUSSEX				215

22-AUG-2024
09:50
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PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	1,546 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	773 LF

SEQUENCE OF CONSTRUCTION - PHASE 9

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. SHIFT TRAFFIC ON NASSAU RD UNDER TA-10.
3. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
4. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
5. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.

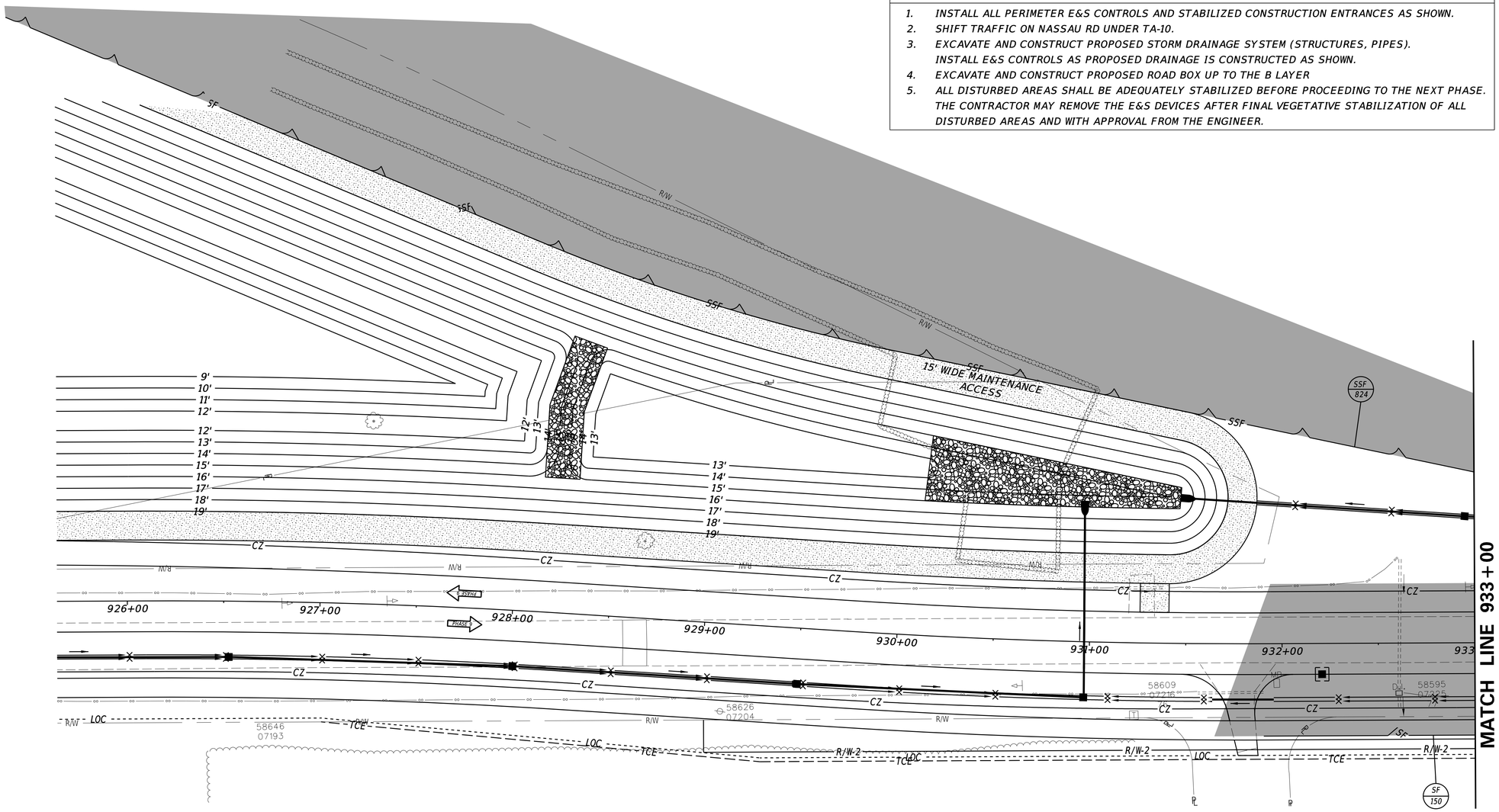


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ADDENDA / REVISIONS	SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 9	SECTION PD
			COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SHEET NO. 216
				CHECKED BY: B. BEHRENS		

SEQUENCE OF CONSTRUCTION - PHASE 9

1. INSTALL ALL PERIMETER E&S CONTROLS AND STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
2. SHIFT TRAFFIC ON NASSAU RD UNDER TA-10.
3. EXCAVATE AND CONSTRUCT PROPOSED STORM DRAINAGE SYSTEM (STRUCTURES, PIPES). INSTALL E&S CONTROLS AS PROPOSED DRAINAGE IS CONSTRUCTED AS SHOWN.
4. EXCAVATE AND CONSTRUCT PROPOSED ROAD BOX UP TO THE B LAYER
5. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.

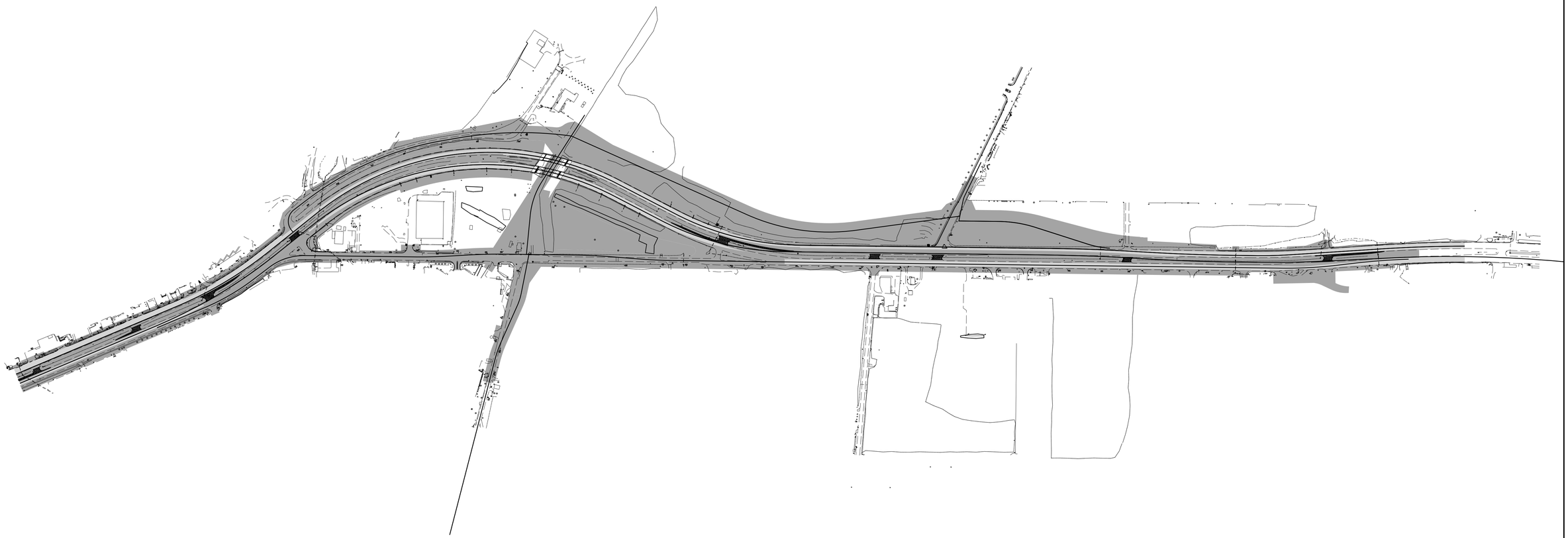


ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 9	SECTION PD
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SHEET NO. 217
					CHECKED BY: B. BEHRENS		

22-AUG-2024
09:45
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SEQUENCE OF CONSTRUCTION - PHASE 10

1. SHIFT TRAFFIC USING TA-3A, TA-10, TA-33.
2. MILL AND OVERLAY AND EXTEND LIMITS TO INCLUDE AREAS OF TEMPORARY STRIPING.
3. PLACE C LAYER PREVIOUSLY ON ALL AREAS WIDENED.
4. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED BEFORE PROCEEDING TO THE NEXT PHASE. THE CONTRACTOR MAY REMOVE THE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.
5. INSTALL ALL PROPOSED SIGNING AND STRIPING BEFORE REMOVAL OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.
6. REMOVE ALL TEMPORARY TRAFFIC CONTROL DEVICES AND PLACE NEW PERMANENT TRAFFIC SIGNS ON ALL FOUR APPROACHES.
7. REMOVE ALL EROSION AND SEDIMENT DEVICES.



ADDENDA / REVISIONS

SCALE
0 300 600 900
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN – PHASE 10

SECTION: PD
SHEET NO.: 218

12-JUN-2024
09:50:06
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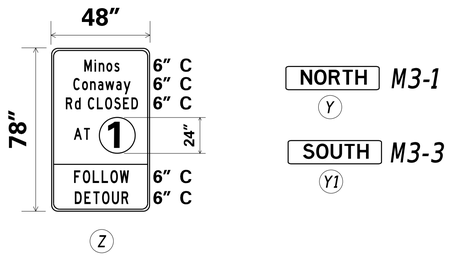
PORTABLE CHANGEABLE MESSAGE SIGNS

PRIOR TO DETOUR
(10 DAYS PRIOR TO BEGINNING OF DETOUR)

PCMS-1

MINOS CONAWAY TO CLOSE	STARTING XX/XX/XX

SPECIAL SIGNS



NORTH M3-1 (Y)

SOUTH M3-3 (Y1)

*D/G RETROREFLECTIVE PRISMATIC FLUORESCENT ORANGE BACKGROUND; BLACK LEGEND

*ROUTE SHIELD – WHITE BACKGROUND; BLACK LEGEND

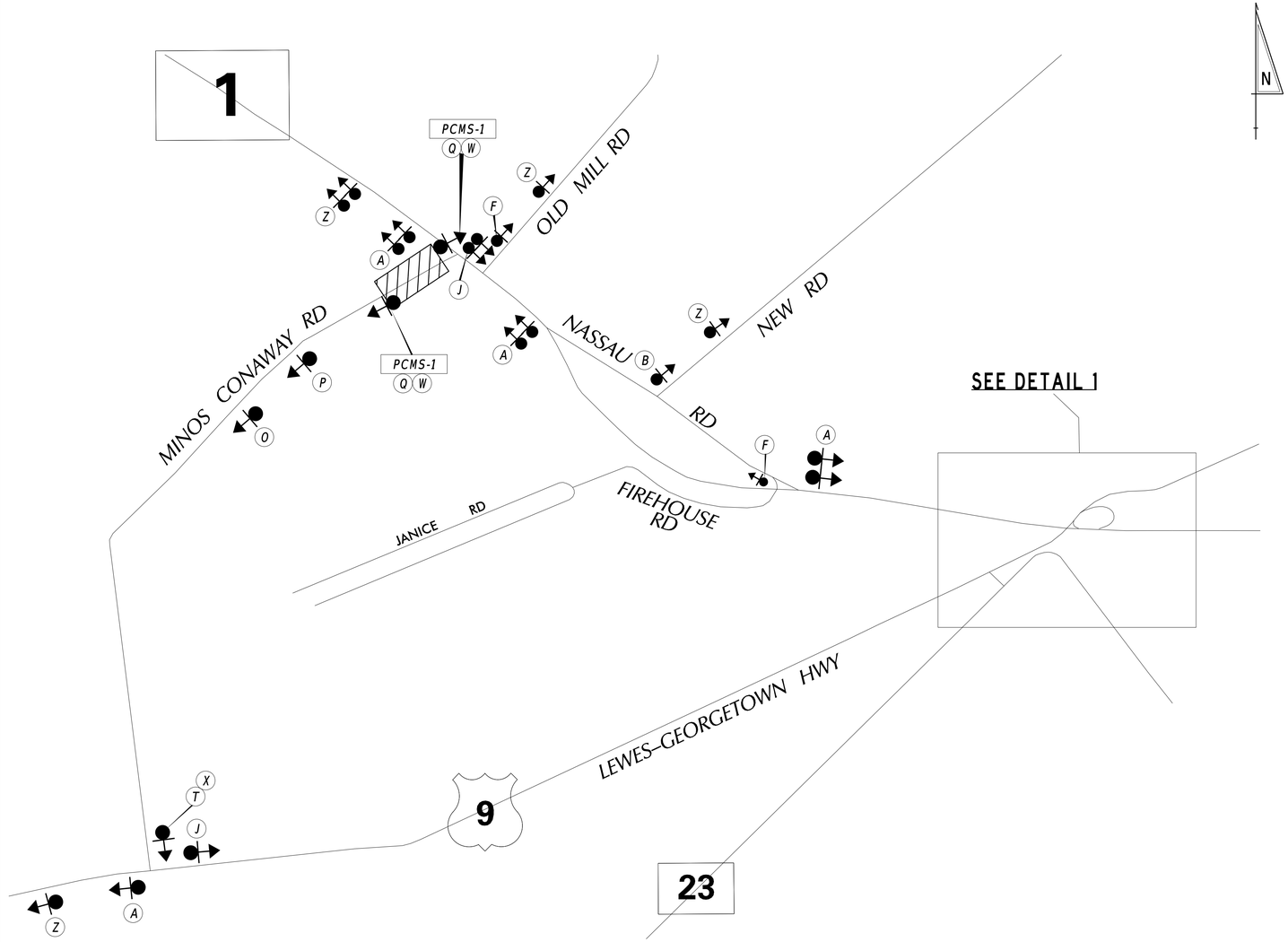
PREPARED BY
DELDOT - TRANSPORTATION SOLUTIONS
TRAFFIC SAFETY

THIS SEAL ONLY APPLIES TO THIS DETOUR SHEET — 06/29/2020 DATE

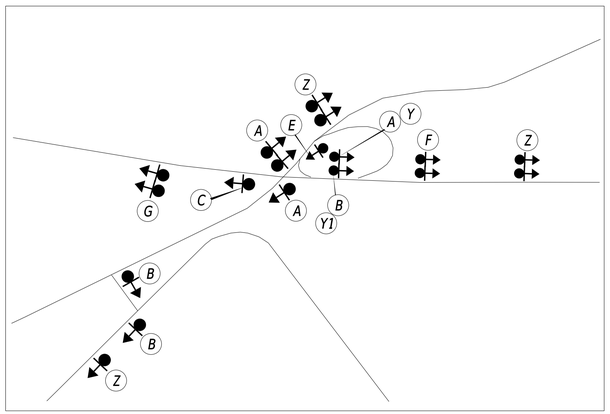
JEFFREY VAN HORN LICENSED No. 17249 DELAWARE PROFESSIONAL ENGINEER — SEAL

QA/QC REVIEWER — 6/25/20 DATE

"I CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THIS DETOUR PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES."



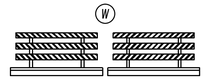
DETAIL 1



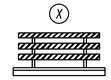
LEGEND

(A) DETOUR ↑ M4-9-DE	(B) DETOUR ← M4-9	(C) DETOUR → M4-9	(D) DETOUR ↖ M4-9	(E) DETOUR ↗ M4-9
(F) DETOUR ↰ M4-9	(G) DETOUR ↱ M4-9	(H) DETOUR ↖ M4-9	(I) DETOUR ↗ M4-9	(J) END DETOUR M4-8a
(K) DETOUR AHEAD W20-2	(L) DETOUR 1000 FT W20-2	(M) DETOUR 500 FT W20-2		
(N) ROAD CLOSED AHEAD W20-3	(O) ROAD CLOSED 1000 FT W20-3	(P) ROAD CLOSED 500 FT W20-3		
(Q) ROAD CLOSED R11-2	(R) ← DETOUR M4-10(L)	(S) DETOUR → M4-10(R)		
(T) ROAD CLOSED 1.5 MILES AHEAD LOCAL TRAFFIC ONLY R11-3a	(U) BRIDGE OUT XX MILES AHEAD LOCAL TRAFFIC ONLY R11-3b	(V) ROAD CLOSED TO THRU TRAFFIC R11-4		

(W)



(X)



GENERAL NOTES

1. ALL TEMPORARY TRAFFIC CONTROL DEVICES ARE TO BE SUPPLIED AND MAINTAINED BY THE GENERAL CONTRACTOR AND SHALL BE IN COMPLIANCE WITH THIS PLAN AND THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (DE MUTCD) LATEST EDITION.
2. SIGNS "N" THROUGH "Q" AND "T" AND "V", THE WORD "ROAD" SHALL BE CHANGED TO "RAMP", "RR XING" OR "BRIDGE" WHERE APPLICABLE.
3. "W" TYPE 3 BARRICADES AT A ROAD CLOSURE SHALL BE PLACED COMPLETELY ACROSS THE ROADWAY, FROM CURB TO CURB, OR FROM EDGE OF ROAD TO EDGE OF ROAD, WITH THE STRIPES POSITIONED DOWNWARD TOWARD THE CENTER OF THE ROADWAY.
4. BARRICADES SHALL BE A MINIMUM OF 6 FEET WIDE UNLESS DIRECTED BY THE ENGINEER.

CONCURRENCE FOR IMPLEMENTATION

TRAFFIC SAFETY — 6/24/2020 DATE

ADDENDA / REVISIONS		NOT TO SCALE	SR1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	PERMIT NO. X	DETOUR PLAN - VEHICULAR MINOS CONAWAY RD @ SR1	SECTION TS
				COUNTY SUSSEX	DESIGNED BY: DBW		SHEET NO. 219
					CHECKED BY: GAN		

PORTABLE CHANGEABLE MESSAGE SIGNS

PRIOR TO DETOUR
(10 DAYS PRIOR TO BEGINNING OF DETOUR)

PCMS-1

NASSAU ROAD & NEW ROAD

INTER-SECTION TO CLOSE

STARTING

XX/XX/XX

SPECIAL SIGNS

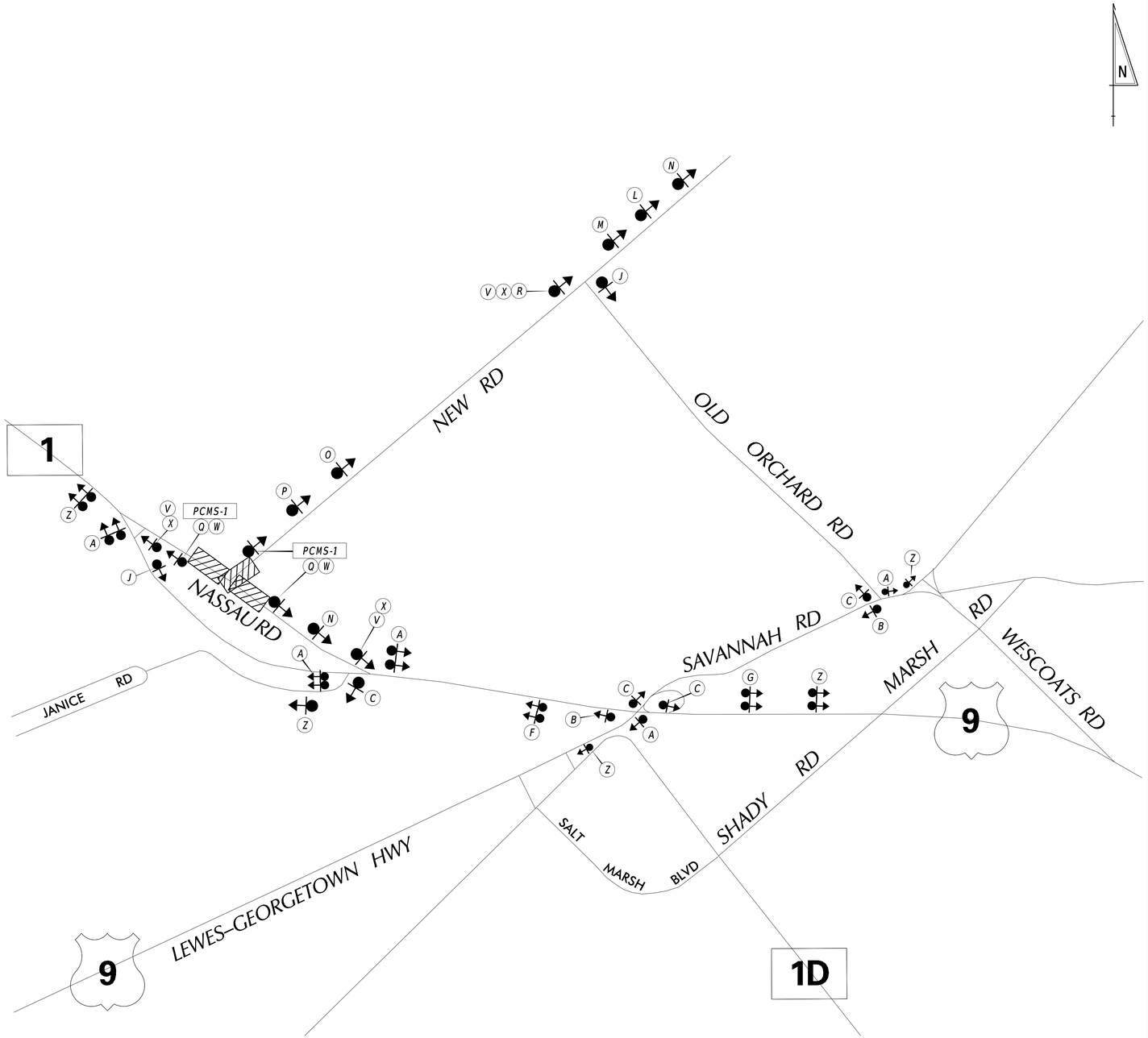
48"

69"

Nassau Rd & New Rd INTER-SECTION CLOSED	6" C
FOLLOW DETOUR	6" C

Z

*D/G RETROREFLECTIVE PRISMATIC FLUORESCENT ORANGE BACKGROUND; BLACK LEGEND



LEGEND

A DETOUR M4-9-DE	B DETOUR M4-9	C DETOUR M4-9	D DETOUR M4-9	E DETOUR M4-9
F DETOUR M4-9	G DETOUR M4-9	H DETOUR M4-9	I DETOUR M4-9	J END DETOUR M4-8a
K DETOUR AHEAD W20-2	L DETOUR 1000 FT W20-2	M DETOUR 500 FT W20-2		
N ROAD CLOSED AHEAD W20-3	O ROAD CLOSED 1000 FT W20-3	P ROAD CLOSED 500 FT W20-3		
Q ROAD CLOSED R11-2	R DETOUR M4-10(L)	S DETOUR M4-10(R)		
T ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY R11-3a	U BRIDGE OUT XX MILES AHEAD LOCAL TRAFFIC ONLY R11-3b	V ROAD CLOSED TO THRU TRAFFIC R11-4		

W X

GENERAL NOTES

1. ALL TEMPORARY TRAFFIC CONTROL DEVICES ARE TO BE SUPPLIED AND MAINTAINED BY THE GENERAL CONTRACTOR AND SHALL BE IN COMPLIANCE WITH THIS PLAN AND THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (DE MUTCD) LATEST EDITION.
2. SIGNS "N" THROUGH "Q" AND "T" AND "V", THE WORD "ROAD" SHALL BE CHANGED TO "RAMP", "RR XING" OR "BRIDGE" WHERE APPLICABLE.
3. "W" TYPE 3 BARRICADES AT A ROAD CLOSURE SHALL BE PLACED COMPLETELY ACROSS THE ROADWAY, FROM CURB TO CURB, OR FROM EDGE OF ROAD TO EDGE OF ROAD, WITH THE STRIPES POSITIONED DOWNWARD TOWARD THE CENTER OF THE ROADWAY.
4. BARRICADES SHALL BE A MINIMUM OF 6 FEET WIDE UNLESS DIRECTED BY THE ENGINEER.

PREPARED BY
DELDOT - TRANSPORTATION SOLUTIONS
TRAFFIC SAFETY

06/29/2020
THIS SEAL ONLY APPLIES TO THIS DETOUR SHEET — DATE

JEFFREY VAN HORN LICENSED No. 17249 DELAWARE PROFESSIONAL ENGINEER
SEAL

6/29/20
QA/QC REVIEWER — DATE

I CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THIS DETOUR PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

CONCURRENCE FOR IMPLEMENTATION

6/10/2020
TRAFFIC SAFETY — DATE

ADDENDA / REVISIONS

NOT TO SCALE

SR1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	T201612501	PERMIT NO.	X
COUNTY	SUSSEX	DESIGNED BY:	DBW
		CHECKED BY:	GAN

DETOUR PLAN - VEHICULAR
NASSAU RD AND NEW RD INTERSECTION

SECTION	TS
SHEET NO.	220

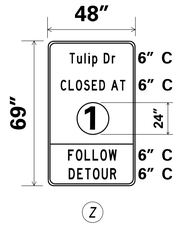
PORTABLE CHANGEABLE MESSAGE SIGNS

PRIOR TO DETOUR
(10 DAYS PRIOR TO BEGINNING OF DETOUR)

PCMS-1

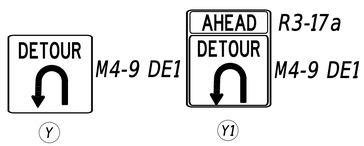
TULIP DR TO CLOSE	STARTING XX/XX/XX

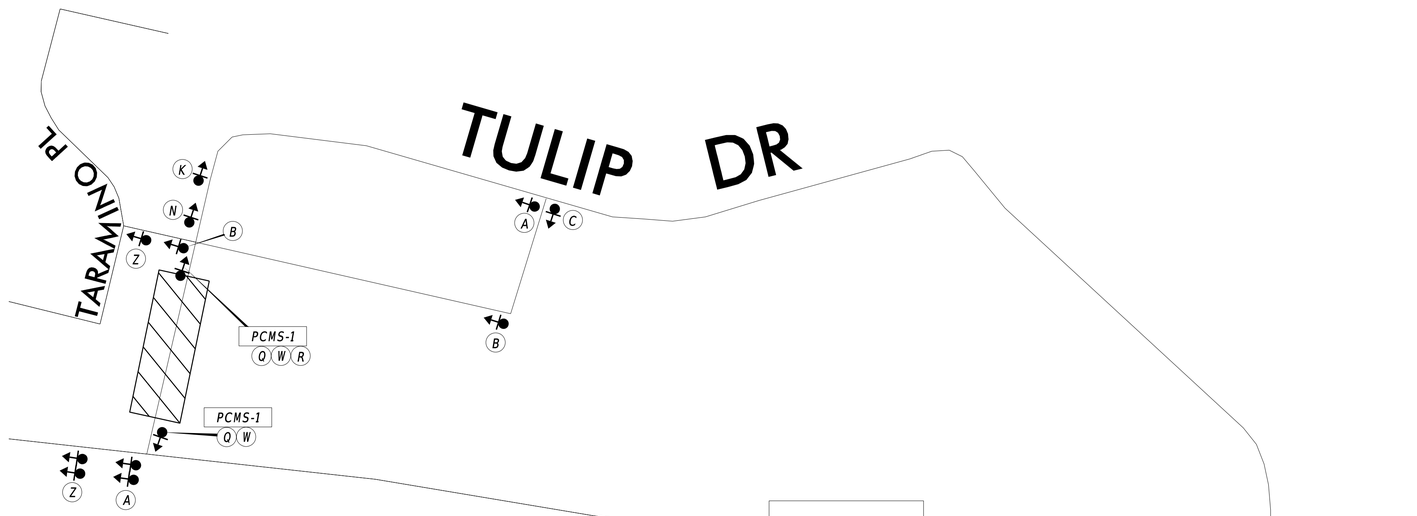
SPECIAL SIGNS



*D/G RETROREFLECTIVE PRISMATIC FLUORESCENT ORANGE BACKGROUND; BLACK LEGEND

*ROUTE SHIELD – WHITE BACKGROUND; BLACK LEGEND





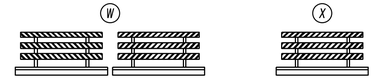
LEGEND

A	B	C	D	E
DETOUR ↑	DETOUR ←	DETOUR →	DETOUR ↖	DETOUR ↗
M4-9-DE	M4-9	M4-9	M4-9	M4-9
F	**G**	**H**	**I**	**J**
DETOUR ↰	DETOUR ↱	DETOUR ↖	DETOUR ↗	END DETOUR
M4-9	M4-9	M4-9	M4-9	M4-8a

K	L	M
DETOUR AHEAD	DETOUR 1000 FT	DETOUR 500 FT
W20-2	W20-2	W20-2
N	**O**	**P**
ROAD CLOSED AHEAD	ROAD CLOSED 1000 FT	ROAD CLOSED 500 FT
W20-3	W20-3	W20-3

Q	R	S
ROAD CLOSED	DETOUR	DETOUR
R11-2	M4-10(L)	M4-10(R)

T	U	V
ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY	BRIDGE OUT XX MILES AHEAD LOCAL TRAFFIC ONLY	ROAD CLOSED TO THRU TRAFFIC
R11-3a	R11-3b	R11-4



GENERAL NOTES

1. ALL TEMPORARY TRAFFIC CONTROL DEVICES ARE TO BE SUPPLIED AND MAINTAINED BY THE GENERAL CONTRACTOR AND SHALL BE IN COMPLIANCE WITH THIS PLAN AND THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (DE MUTCD) LATEST EDITION.
2. SIGNS "N" THROUGH "O" AND "T" AND "V", THE WORD "ROAD" SHALL BE CHANGED TO "RAMP", "RR XING" OR "BRIDGE" WHERE APPLICABLE.
3. "W" TYPE 3 BARRICADES AT A ROAD CLOSURE SHALL BE PLACED COMPLETELY ACROSS THE ROADWAY, FROM CURB TO CURB, OR FROM EDGE OF ROAD TO EDGE OF ROAD, WITH THE STRIPES POSITIONED DOWNWARD TOWARD THE CENTER OF THE ROADWAY.
4. BARRICADES SHALL BE A MINIMUM OF 6 FEET WIDE UNLESS DIRECTED BY THE ENGINEER.

PREPARED BY
DELDOT - TRANSPORTATION SOLUTIONS
TRAFFIC SAFETY

06/29/2020
THIS SEAL ONLY APPLIES TO THIS DETOUR SHEET — DATE

JEFFREY VAN HORN — LICENSED — No. 17249 — DELAWARE — PROFESSIONAL ENGINEER
SEAL

6/29/20
QA/QC REVIEWER — DATE

"I CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THIS DETOUR PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES."

CONCURRENCE FOR IMPLEMENTATION

6/9/2020
TRAFFIC SAFETY — DATE

ADDENDA / REVISIONS

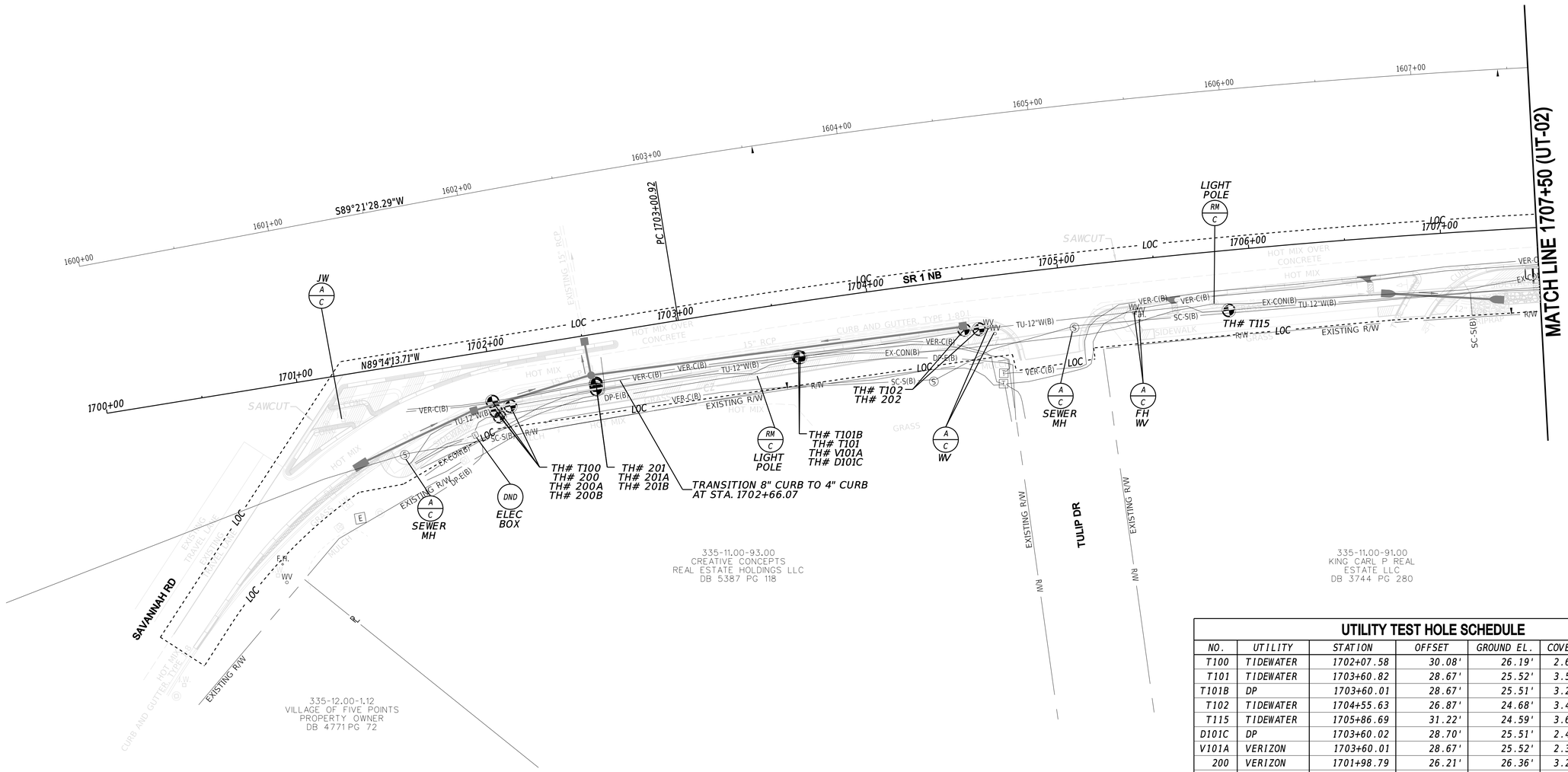
NOT TO SCALE

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	PERMIT NO.	X
T201612501	DESIGNED BY:	DBW
COUNTY	CHECKED BY:	GAN
SUSSEX		

DETOUR PLAN - VEHICULAR
TULIP DRIVE @ SR 1

SECTION	TS
SHEET NO.	221



UTILITY TEST HOLE SCHEDULE

NO.	UTILITY	STATION	OFFSET	GROUND EL.	COVER	O.D. & MATERIAL
T100	TIDEWATER	1702+07.58	30.08'	26.19'	2.66'	12" PLASTIC WATER
T101	TIDEWATER	1703+60.82	28.67'	25.52'	3.53'	12" PLASTIC WATER
T101B	DP	1703+60.01	28.67'	25.51'	3.28'	(2) 1" METAL ELEC
T102	TIDEWATER	1704+55.63	26.87'	24.68'	3.48'	12" PLASTIC WATER
T115	TIDEWATER	1705+86.69	31.22'	24.59'	3.66'	12" PLASTIC WATER
D101C	DP	1703+60.02	28.70'	25.51'	2.40'	(2) 1" METAL ELEC
V101A	VERIZON	1703+60.01	28.67'	25.52'	2.31'	1/2" DIRECT TELE
200	VERIZON	1701+98.79	26.21'	26.36'	3.20'	(2) 8" DIRECT BURIED
200A	TIDEWATER	1701+99.87	31.40'	26.36'	2.59'	12" PLASTIC WATER
200B	DP	1702+01.20	34.52'	26.66'	2.76'	1 1/4" DIRECT ELEC
201	VERIZON	1702+53.43	25.52'	26.01'	4.50'	2" DIRECT BURIED
201A	VERIZON	1702+53.27	26.36'	26.00'	4.18'	2" DIRECT BURIED
201B	TIDEWATER	1702+53.22	28.65'	26.02'	3.72'	12" PLASTIC WATER
202	TIDEWATER	1704+47.82	26.16'	25.21'	3.90'	12" PLASTIC WATER

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	T201612501
COUNTY	SUSSEX
BRIDGE NO.	X
DESIGNED BY:	N. RIGOLINO
CHECKED BY:	B. BEHRENS

UTILITY RELOCATION PLAN

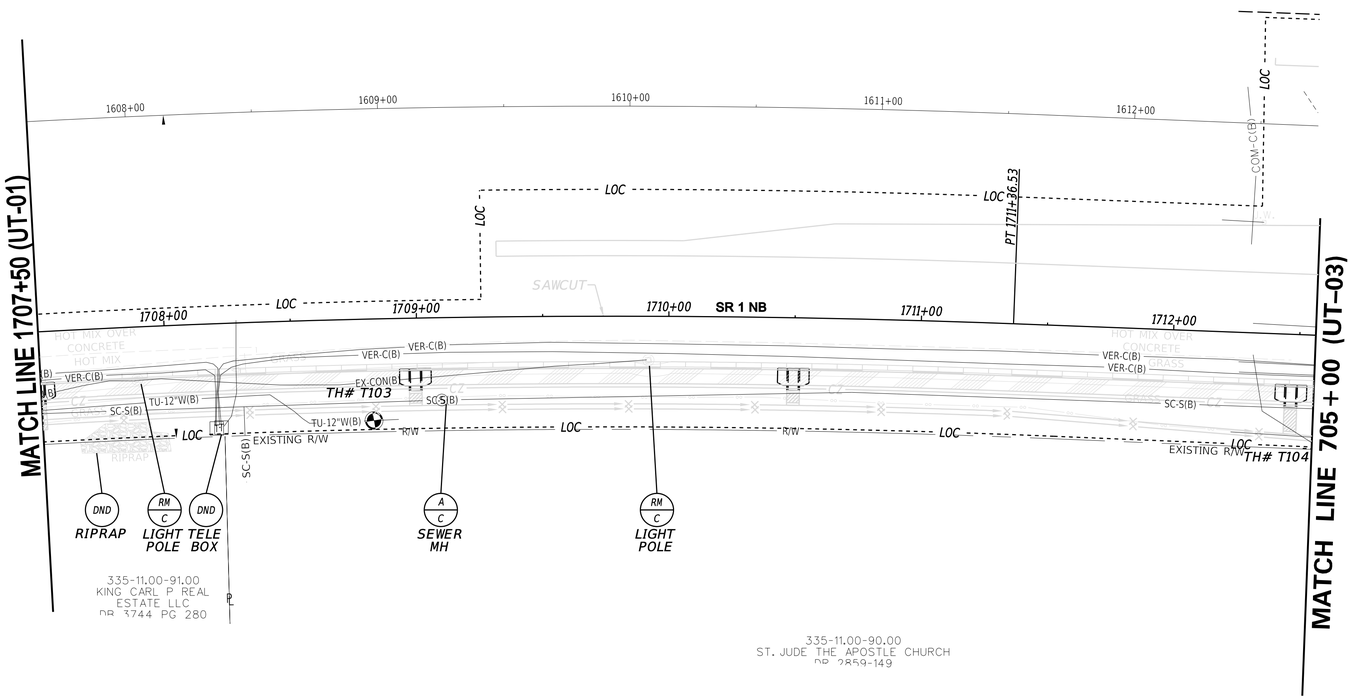
UT-01

SECTION	PD
SHEET NO.	222

10-AUG-2024
09:40
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UTILITY TEST HOLE SCHEDULE

NO.	UTILITY	STATION	OFFSET	GROUND EL.	COVER	O.D. & MATERIAL
T103	TIDEWATER	1708+82.33	40.22'	22.72'	3.43'	12" PLASTIC WATER
T104	TIDEWATER	1712+45.75	40.61'	20.47'	4.12'	12" PLASTIC WATER



ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

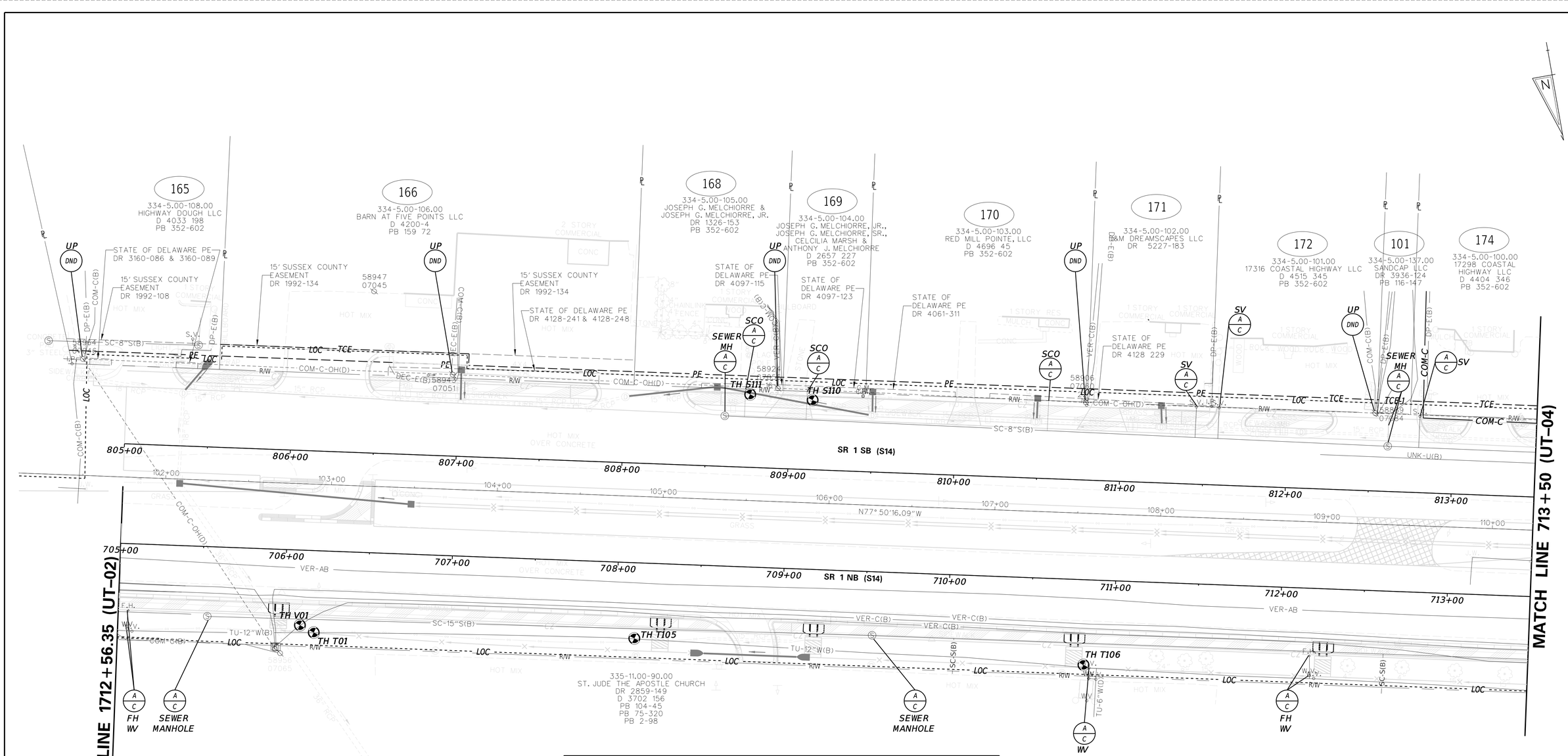
SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	T201612501
COUNTY	SUSSEX
BRIDGE NO.	X
DESIGNED BY:	N. RIGOLINO
CHECKED BY:	B. BEHRENS

UTILITY RELOCATION PLAN

	UT-02
SECTION	PD
SHEET NO.	223

10-AUG-2024
09:41
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UTILITY TEST HOLE SCHEDULE

NO.	UTILITY	STATION	OFFSET	GROUND EL.	COVER	O.D. & MATERIAL
TH T01	TIDEWATER	706+18.31	49.34'	21.04'	3.84'	12" PLASTIC WATER
TH V01	VERIZON	706+09.81	45.26'	21.39'	2.80'	2" DIRECT TELE
TH S110	SUSSEX	809+13.45	-41.91'	24.02'	5.01'	6" PLASTIC SEWER
TH S111	SUSSEX	808+75.72	-43.94'	23.33'	4.43'	6" PLASTIC SEWER
TH T105	TIDEWATER	708+11.49	45.60'	22.19'	3.02'	12" PLASTIC WATER
TH T106	TIDEWATER	710+82.56	51.32'	24.32'	3.68'	12" PLASTIC WATER

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

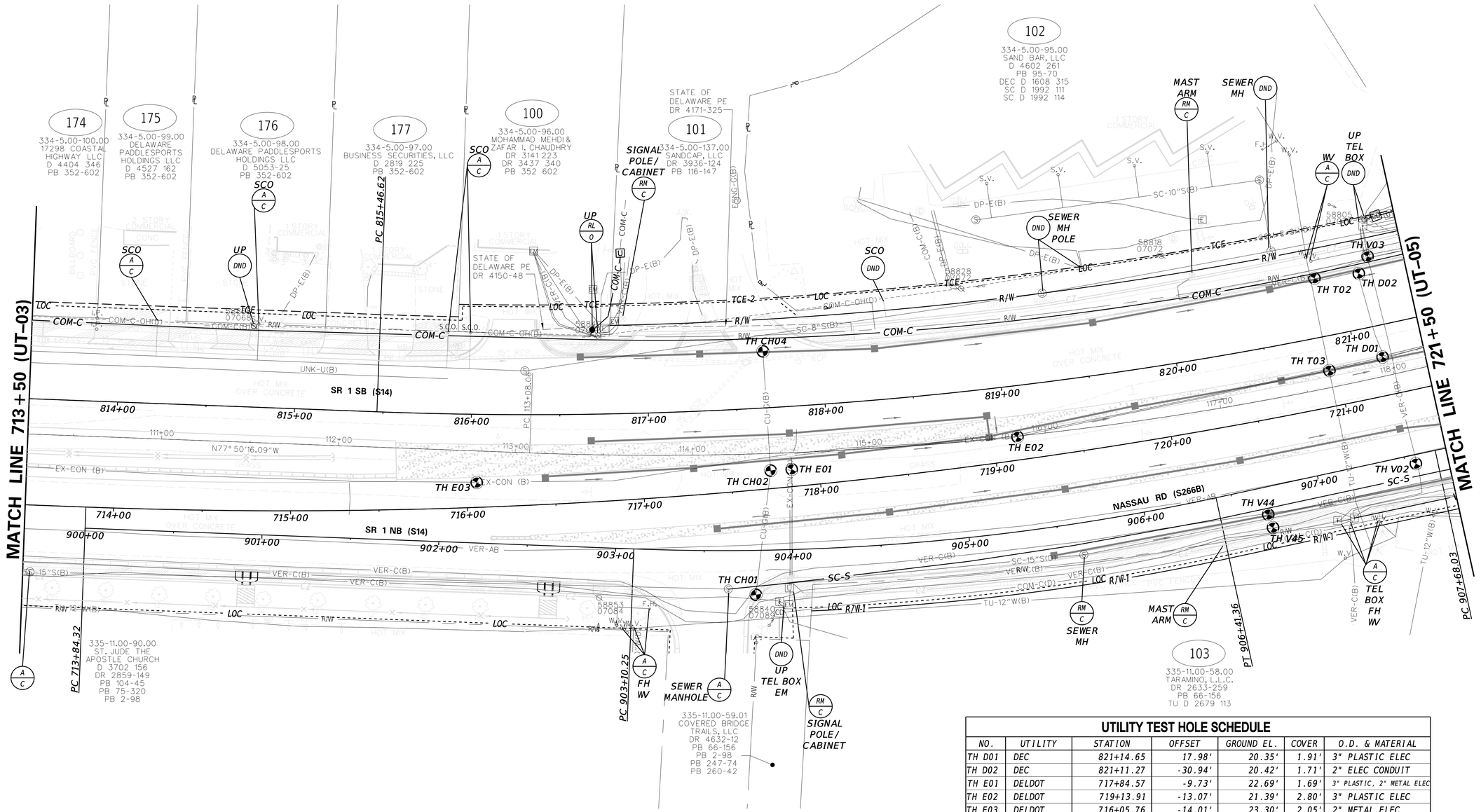
SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

UTILITY RELOCATION PLAN

UT-03	
SECTION	PD
SHEET NO.	224

10-AUG-2024
08:47
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UTILITY TEST HOLE SCHEDULE

NO.	UTILITY	STATION	OFFSET	GROUND EL.	COVER	O.D. & MATERIAL
TH D01	DEC	821+14.65	17.98'	20.35'	1.91'	3" PLASTIC ELEC
TH D02	DEC	821+11.27	-30.94'	20.42'	1.71'	2" ELEC CONDUIT
TH E01	DELDOT	717+84.57	-9.73'	22.69'	1.69'	3" PLASTIC, 2" METAL ELEC
TH E02	DELDOT	719+13.91	-13.07'	21.39'	2.80'	3" PLASTIC ELEC
TH E03	DELDOT	716+05.76	-14.01'	23.30'	2.05'	2" METAL ELEC
TH V02	VERIZON	907+55.83	5.04'	22.88'	4.25'	4" PLASTIC TELE
TH V03	VERIZON	821+18.11	-35.68'	20.67'	2.57'	1 1/2" DIRECT BURIED TELE
TH V44	VERIZON	906+68.25	15.51'	24.02'	2.82'	2" DIRECT TELE
TH V45	VERIZON	906+69.30	23.30'	24.06'	3.77'	2" DIRECT TELE
TH CH01	CHESAPEAKE	903+78.97	25.12'	24.53'	3.27'	8" PLASTIC GAS
TH CH02	CHESAPEAKE	717+72.60	-10.16'	22.90'	6.08'	8" PLASTIC GAS
TH CH04	CHESAPEAKE	817+66.69	-31.98'	21.49'	4.56'	8" PLASTIC GAS
TH T02	TIDEWATER	820+85.71	-29.63'	20.35'	8.00'	UNKNOWN WATER
TH T03	TIDEWATER	720+94.97	-20.35'	20.45'	11.95'	12" PLASTIC WATER

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

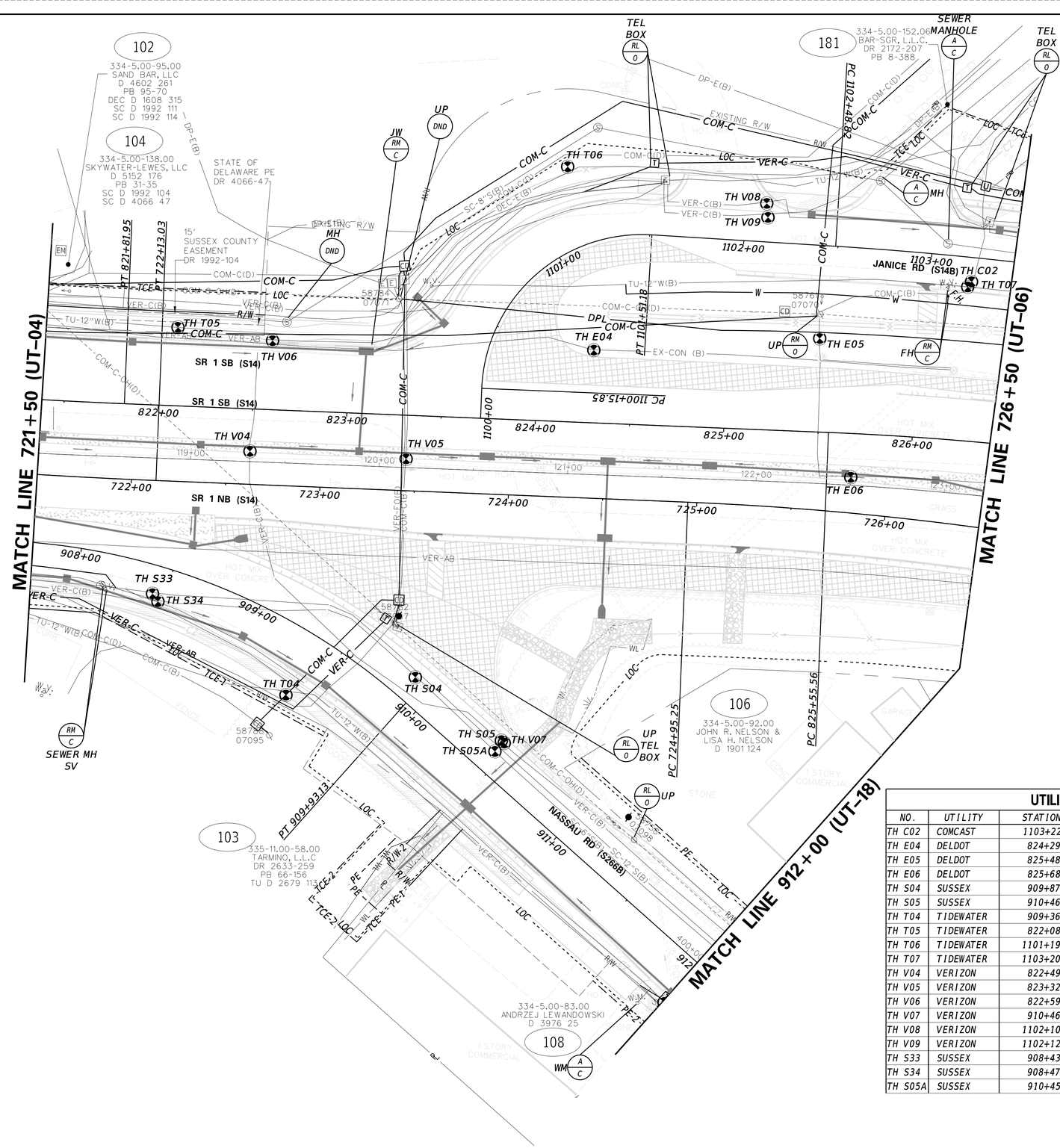
SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

UTILITY RELOCATION PLAN

UT–04
SECTION PD
SHEET NO. 225

10-AUG-2024
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UTILITY TEST HOLE SCHEDULE

NO.	UTILITY	STATION	OFFSET	GROUND EL.	COVER	O.D. & MATERIAL
TH C02	COMCAST	1103+22.41	12.84'	19.21'	2.10'	2" DIRECT CABLE
TH E04	DELDOT	824+29.62	-38.51'	20.83'	2.09'	2" METAL ELECTRIC
TH E05	DELDOT	825+48.92	-49.59'	19.42'	1.49'	2" METAL ELECTRIC
TH E06	DELDOT	825+68.56	23.20'	18.64'	1.75'	1" METAL ELECTRIC
TH S04	SUSSEX	909+87.99	-13.45'	19.40'	5.02'	6" PLASTIC FORCE
TH S05	SUSSEX	910+46.38	-15.68'	18.11'	4.68'	16" PLASTIC FORCE
TH T04	TIDEWATER	909+36.88	35.20'	19.38'	3.68'	12" PLASTIC WATER
TH T05	TIDEWATER	822+08.76	-41.62'	20.71'	3.22'	12" PLASTIC WATER
TH T06	TIDEWATER	1101+19.18	-42.23'	23.12'	3.63'	12" PLASTIC WATER
TH T07	TIDEWATER	1103+20.68	15.75'	18.96'	3.64'	8" PLASTIC WATER
TH V04	VERIZON	822+49.56	22.50'	19.07'	3.68'	1" DIRECT TELE
TH V05	VERIZON	823+32.43	23.13'	20.00'	11.33'	TELE
TH V06	VERIZON	822+59.14	-36.60'	20.89'	1.99'	2" DIRECT TELE
TH V07	VERIZON	910+46.18	-18.77'	17.97'	4.91'	2" DIRECT TELE
TH V08	VERIZON	1102+10.96	-20.43'	20.46'	2.70'	2" DIRECT TELE
TH V09	VERIZON	1102+12.06	-13.06'	20.68'	2.29'	1" DIRECT TELE
TH S33	SUSSEX	908+43.05	15.08'	21.21'	4.15'	6" PLASTIC SEWER
TH S34	SUSSEX	908+47.22	18.20'	21.11'	3.81'	12" PLASTIC SEWER
TH S05A	SUSSEX	910+45.46	-12.19'	18.40'	3.95'	6" PLASTIC SEWER

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

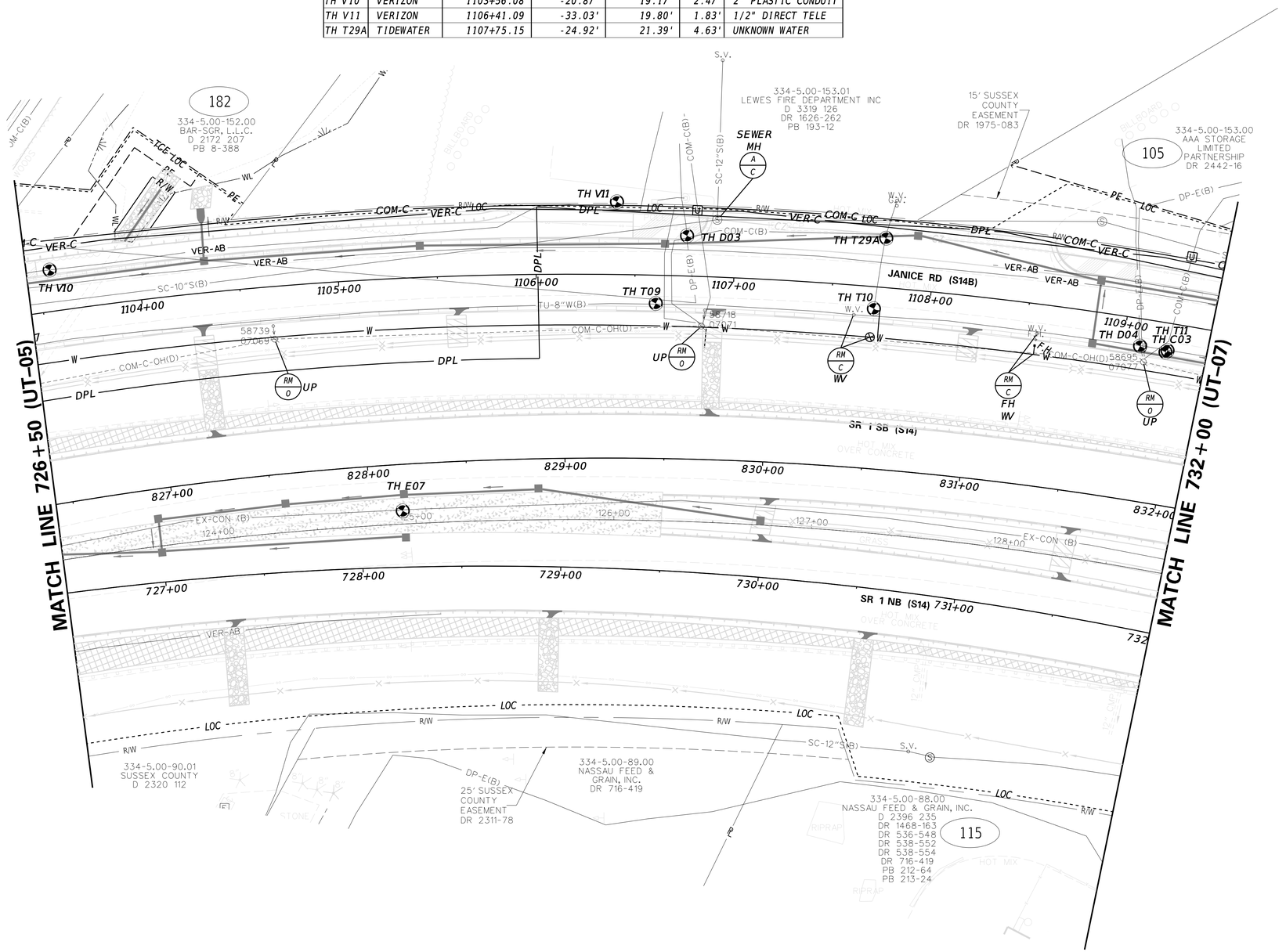
UTILITY RELOCATION PLAN

UT–05
SECTION: PD
SHEET NO.: 226

21-AUG-2024
07:23:30
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UTILITY TEST HOLE SCHEDULE

NO.	UTILITY	STATION	OFFSET	GROUND EL.	COVER	O.D. & MATERIAL
TH C03	COMCAST	1109+22.04	14.80'	23.77'	0.26'	1/2" DIRECT CABLE
TH D03	DEC	1106+75.73	-20.32'	20.85'	4.57'	4" PLASTIC ELEC
TH D04	DEC	1109+08.76	13.82'	23.53'	1.63'	2" PLASTIC ELEC
TH E07	DELDOT	828+16.43	23.50'	23.02'	1.56'	2" METALLIC ELEC
TH T09	TIDEWATER	1106+60.85	14.33'	20.21'	3.98'	8" PLASTIC WATER
TH T10	TIDEWATER	1107+71.90	11.17'	22.13'	5.32'	12" METAL WATER
TH T11	TIDEWATER	1109+22.92	13.83'	23.83'	4.01'	8" PLASTIC WATER
TH V10	VERIZON	1103+56.08	-20.87'	19.17'	2.47'	2" PLASTIC CONDUIT
TH V11	VERIZON	1106+41.09	-33.03'	19.80'	1.83'	1/2" DIRECT TELE
TH T29A	TIDEWATER	1107+75.15	-24.92'	21.39'	4.63'	UNKNOWN WATER

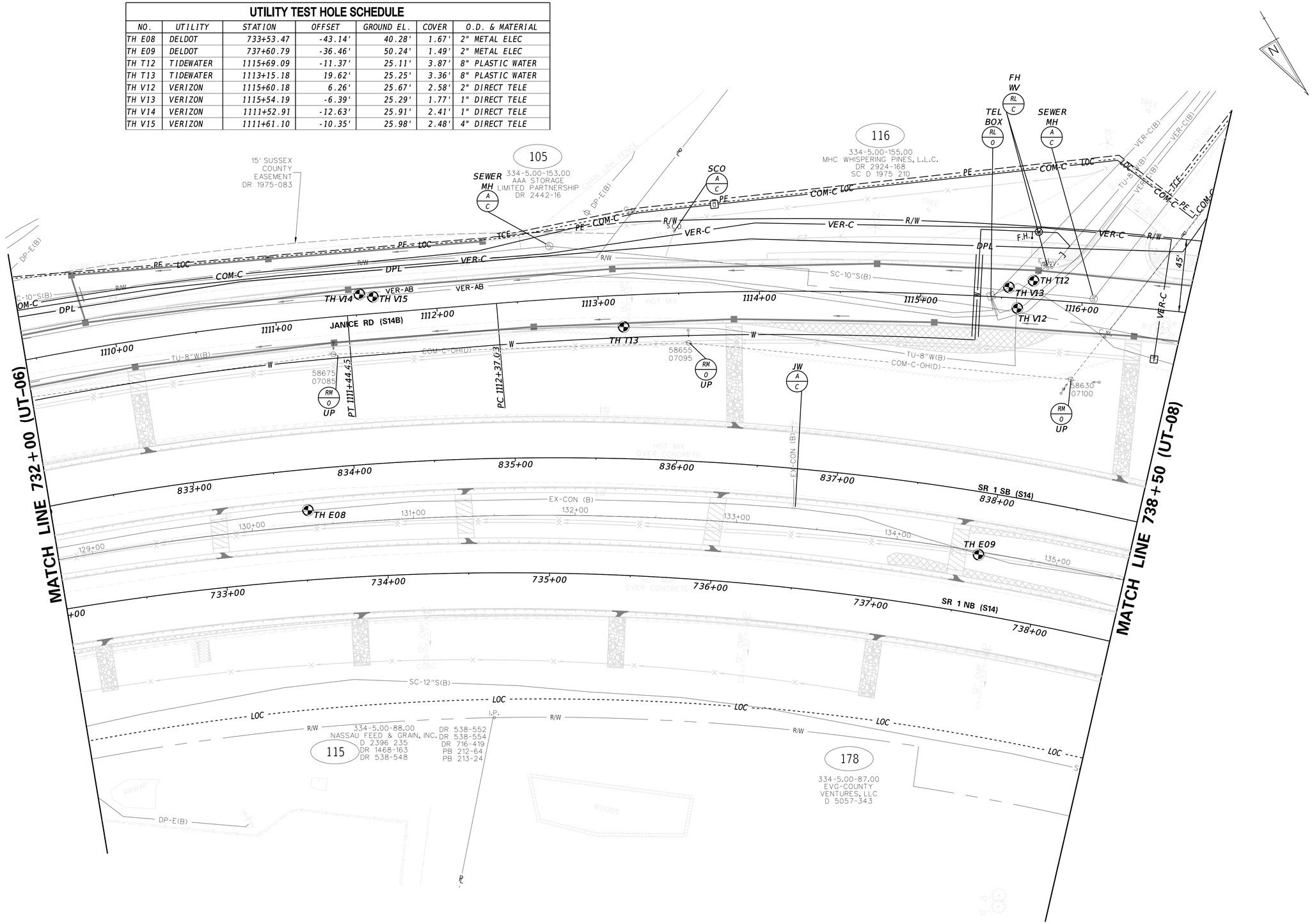


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ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	UTILITY RELOCATION PLAN	UT–06
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SECTION PD
					CHECKED BY: B. BEHRENS		SHEET NO. 227

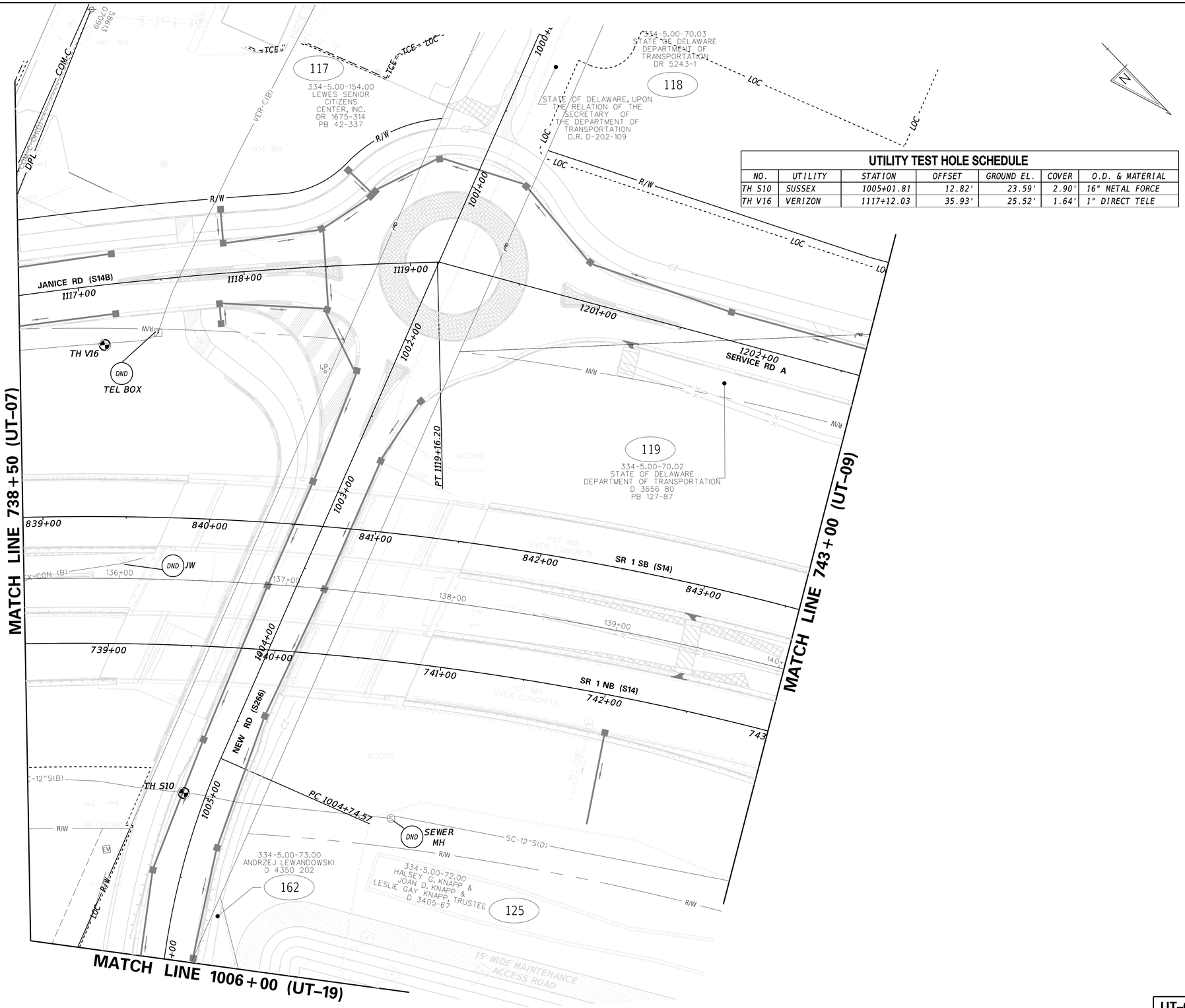
UTILITY TEST HOLE SCHEDULE

NO.	UTILITY	STATION	OFFSET	GROUND EL.	COVER	O.D. & MATERIAL
TH E08	DELDOT	733+53.47	-43.14'	40.28'	1.67'	2" METAL ELEC
TH E09	DELDOT	737+60.79	-36.46'	50.24'	1.49'	2" METAL ELEC
TH T12	TIDEWATER	1115+69.09	-11.37'	25.11'	3.87'	8" PLASTIC WATER
TH T13	TIDEWATER	1113+15.18	19.62'	25.25'	3.36'	8" PLASTIC WATER
TH V12	VERIZON	1115+60.18	6.26'	25.67'	2.58'	2" DIRECT TELE
TH V13	VERIZON	1115+54.19	-6.39'	25.29'	1.77'	1" DIRECT TELE
TH V14	VERIZON	1111+52.91	-12.63'	25.91'	2.41'	1" DIRECT TELE
TH V15	VERIZON	1111+61.10	-10.35'	25.98'	2.48'	4" DIRECT TELE



ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	UTILITY RELOCATION PLAN	UT–07
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SECTION PD
					CHECKED BY: B. BEHRENS		SHEET NO. 228

12-JUN-2024
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UTILITY TEST HOLE SCHEDULE

NO.	UTILITY	STATION	OFFSET	GROUND EL.	COVER	O.D. & MATERIAL
TH S10	SUSSEX	1005+01.81	12.82'	23.59'	2.90'	16" METAL FORCE
TH V16	VERIZON	1117+12.03	35.93'	25.52'	1.64'	1" DIRECT TELE

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

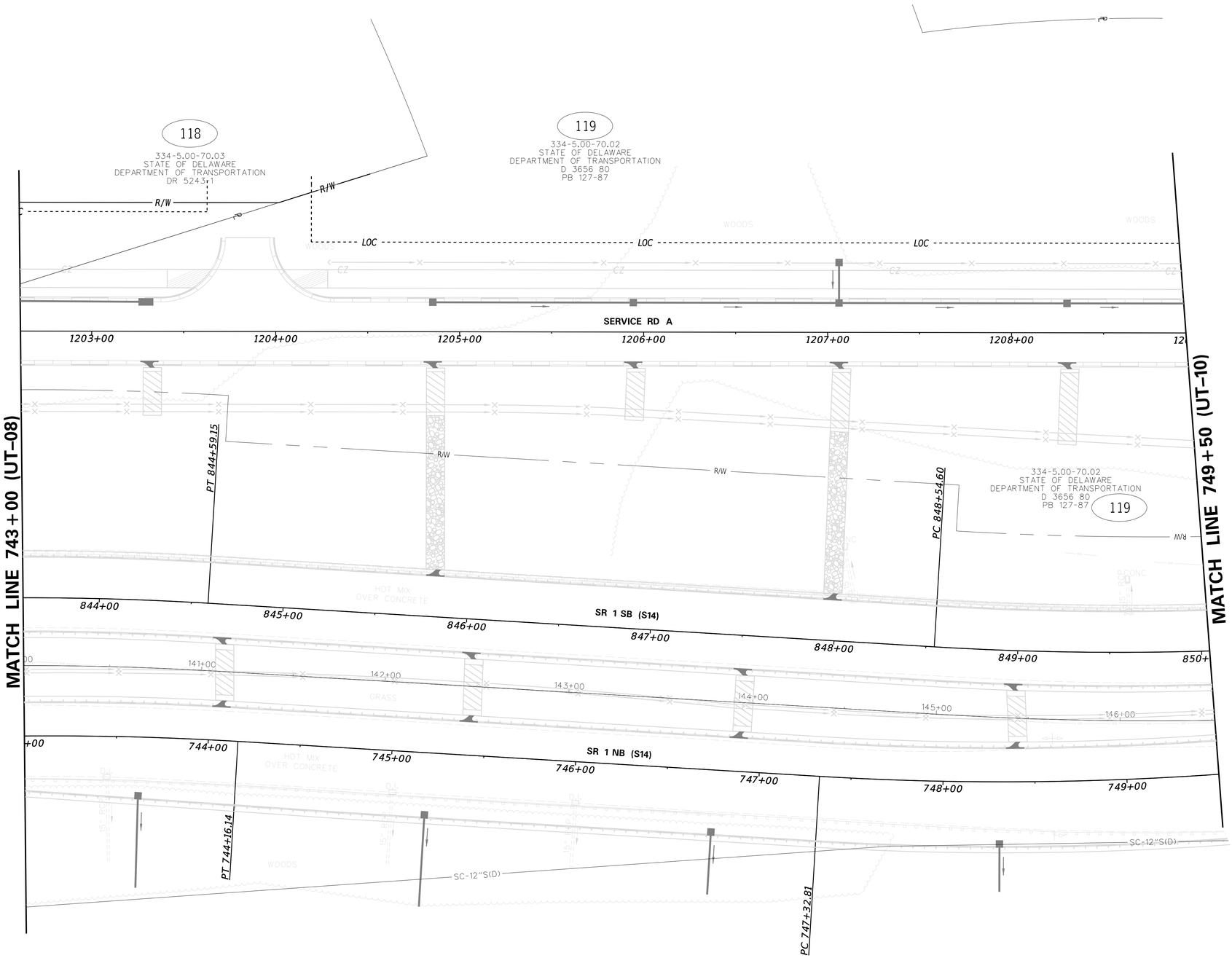
CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

UTILITY RELOCATION PLAN

UT–08

SECTION	SHEET NO.
PD	229

12-JUN-2024
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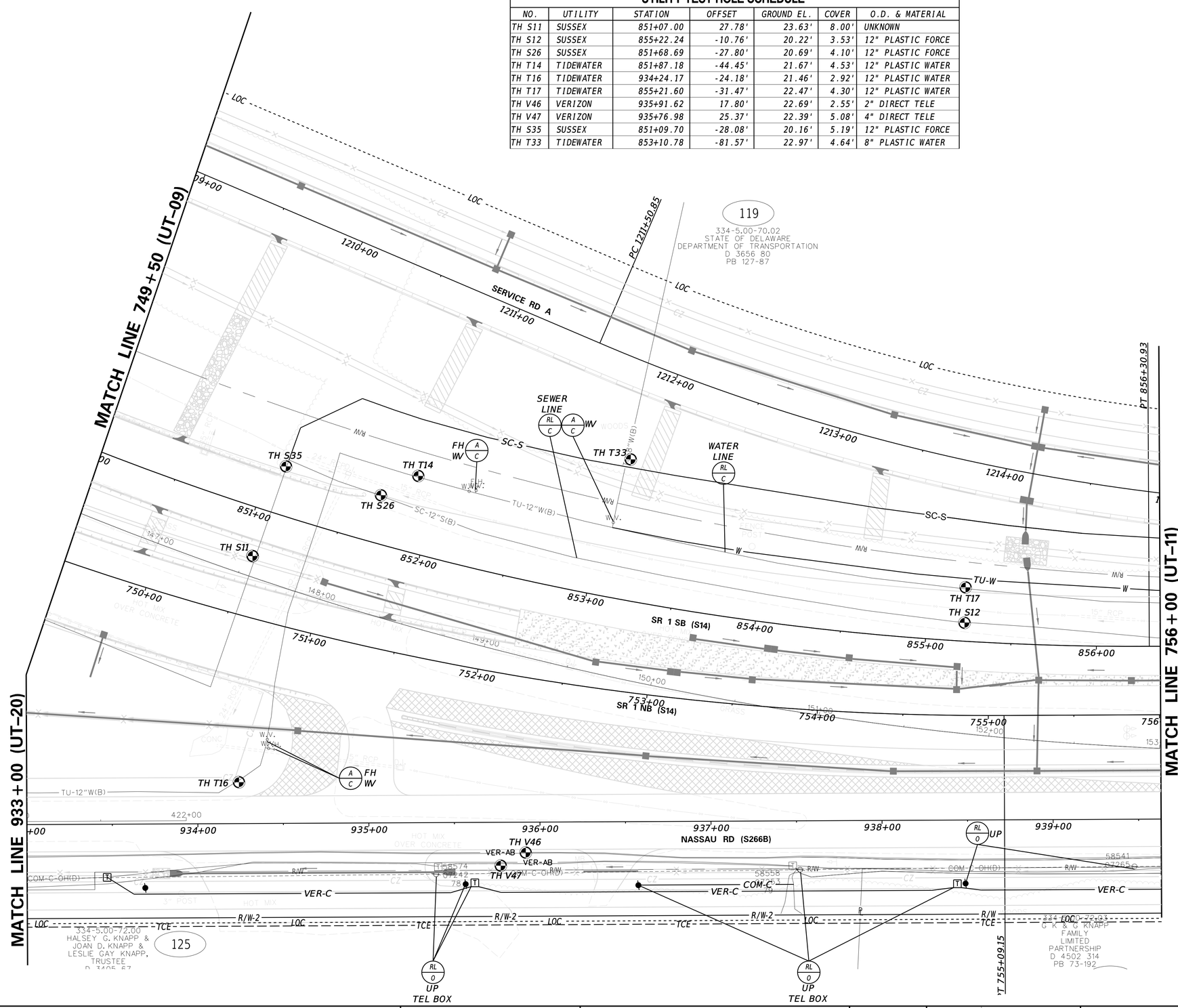


ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	UTILITY RELOCATION PLAN	UT–09
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SECTION PD
					CHECKED BY: B. BEHRENS		SHEET NO. 230

12-JUN-2024
10:27
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UTILITY TEST HOLE SCHEDULE

NO.	UTILITY	STATION	OFFSET	GROUND EL.	COVER	O.D. & MATERIAL
TH S11	SUSSEX	851+07.00	27.78'	23.63'	8.00'	UNKNOWN
TH S12	SUSSEX	855+22.24	-10.76'	20.22'	3.53'	12" PLASTIC FORCE
TH S26	SUSSEX	851+68.69	-27.80'	20.69'	4.10'	12" PLASTIC FORCE
TH T14	TIDEWATER	851+87.18	-44.45'	21.67'	4.53'	12" PLASTIC WATER
TH T16	TIDEWATER	934+24.17	-24.18'	21.46'	2.92'	12" PLASTIC WATER
TH T17	TIDEWATER	855+21.60	-31.47'	22.47'	4.30'	12" PLASTIC WATER
TH V46	VERIZON	935+91.62	17.80'	22.69'	2.55'	2" DIRECT TELE
TH V47	VERIZON	935+76.98	25.37'	22.39'	5.08'	4" DIRECT TELE
TH S35	SUSSEX	851+09.70	-28.08'	20.16'	5.19'	12" PLASTIC FORCE
TH T33	TIDEWATER	853+10.78	-81.57'	22.97'	4.64'	8" PLASTIC WATER

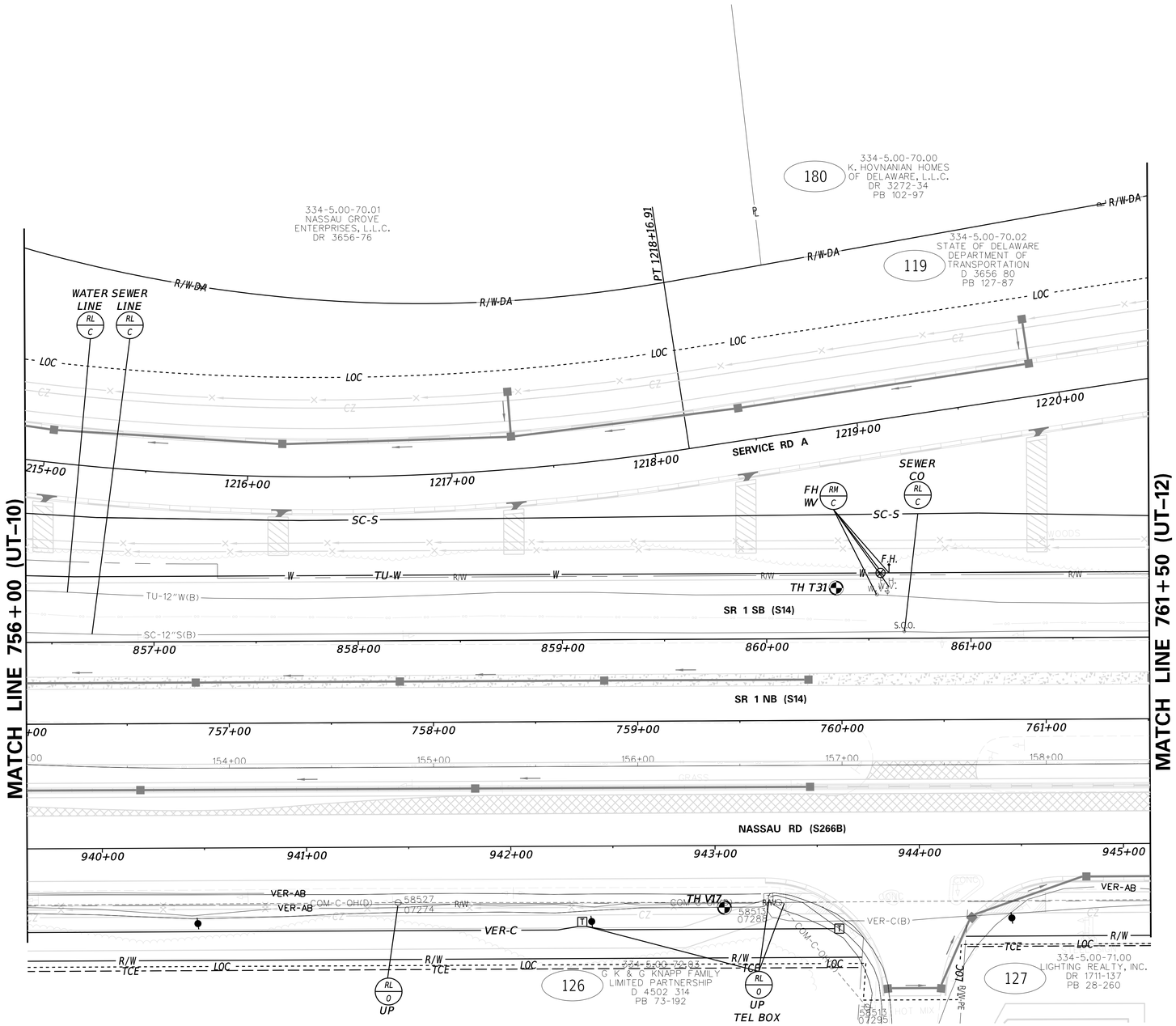


ADDENDA / REVISIONS	SCALE		CONTRACT	BRIDGE NO.	X	UT–10
	0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	T201612501	DESIGNED BY: N. RIGOLINO	UTILITY RELOCATION PLAN	SECTION PD
			COUNTY SUSSEX	CHECKED BY: B. BEHRENS		SHEET NO. 231

12-JUN-2024
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UTILITY TEST HOLE SCHEDULE

NO.	UTILITY	STATION	OFFSET	GROUND EL.	COVER	O.D. & MATERIAL
TH T31	TIDEWATER	860+36.33	-21.65'	24.85'	3.40'	12" PLASTIC WATER
TH V17	VERIZON	943+04.48	30.37'	24.68'	2.44'	1 1/2" PLASTIC TELE



ADDENDA / REVISIONS	SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO.	X	UTILITY RELOCATION PLAN	UT-11
	0 30 60 90 FEET		T201612501	DESIGNED BY: N. RIGOLINO			SECTION PD
			COUNTY SUSSEX	CHECKED BY: B. BEHRENS			SHEET NO. 232

21-AUG-2024
14:20
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UTILITY TEST HOLE SCHEDULE

NO.	UTILITY	STATION	OFFSET	GROUND EL.	COVER	O.D. & MATERIAL
TH C04	VERIZON	1224+15.42	46.12'	25.57'	2.76'	2 1/2" FIBER
TH C10	COMCAST	867+27.15	-31.47'	25.44'	2.04'	1" DIRECT CABLE
TH S13	SUSSEX	863+69.97	-4.03'	22.78'	3.54'	12" PLASTIC FORCE
TH T18	TIDEWATER	1224+03.46	40.50'	25.89'	4.84'	12" PLASTIC WATER
TH T19	TIDEWATER	863+68.10	-21.80'	24.92'	4.03'	12" PLASTIC WATER
TH T29	TIDEWATER	867+27.36	-20.40'	24.15'	3.53'	12" PLASTIC WATER
TH V18	VERIZON	947+41.34	22.48'	24.42'	1.90'	(4)2" PLASTIC CONDUIT
TH V19	VERIZON	947+67.89	21.47'	24.40'	2.00'	1 1/2" DIRECT TELE
TH V20	VERIZON	1223+34.70	91.78'	25.39'	2.55'	2" DIRECT TELE
TH V21	VERIZON	1223+30.83	89.33'	25.18'	3.27'	2" DIRECT TELE
TH V22	VERIZON	948+45.68	-17.27'	24.48'	2.13'	1/2" DIRECT TELE
TH V23	VERIZON	948+38.71	-22.04'	24.04'	3.02'	2" DIRECT TELE
TH V24	VERIZON	1224+10.38	43.85'	25.51'	3.01'	3" DIRECT TELE
TH V25	VERIZON	1223+78.95	17.01'	25.79'	3.30'	2" DIRECT TELE
TH V48	VERIZON	867+27.48	-24.84'	25.10'	2.64'	2" DIRECT TELE
TH T34	TIDEWATER	865+53.68	-42.95'	24.81'	4.54'	12" PLASTIC WATER
TH V49	VERIZON	865+33.06	-46.47'	24.89'	2.52'	2" DIRECT TELE

MATCH LINE 761+50 (UT-11)

MATCH LINE 768+00 (UT-13)

180
334-5.00-70.00
K. HOVNANIAN HOMES OF DELAWARE, L.L.C.
DR 3272-34
PB 102-97

119
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STATE OF DELAWARE
DEPARTMENT OF TRANSPORTATION
D 3656 80
PB 127-87

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VICKIE. DIVITTORIO & KALEE A. NELSON
D 3829 33
PB 9-80

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DEPARTMENT OF TRANSPORTATION
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DR 4727-304

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ROAD, LLC
D 3329 245
PB 199-73

130
334-1.00-13.00
INVESTMENTS
DR 3468-174
PB 199-73

MINOS CONAWAY RD (S265)

SERVICE RD A

RAMP A

NASSAU RD (S266B)

SR 1 SB (S14)

SR 1 NB (S14)

10' WIDE MAINTENANCE ACCESS

PC 1302+19.80

PT 1302+57.54

PC 1402+38.22

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

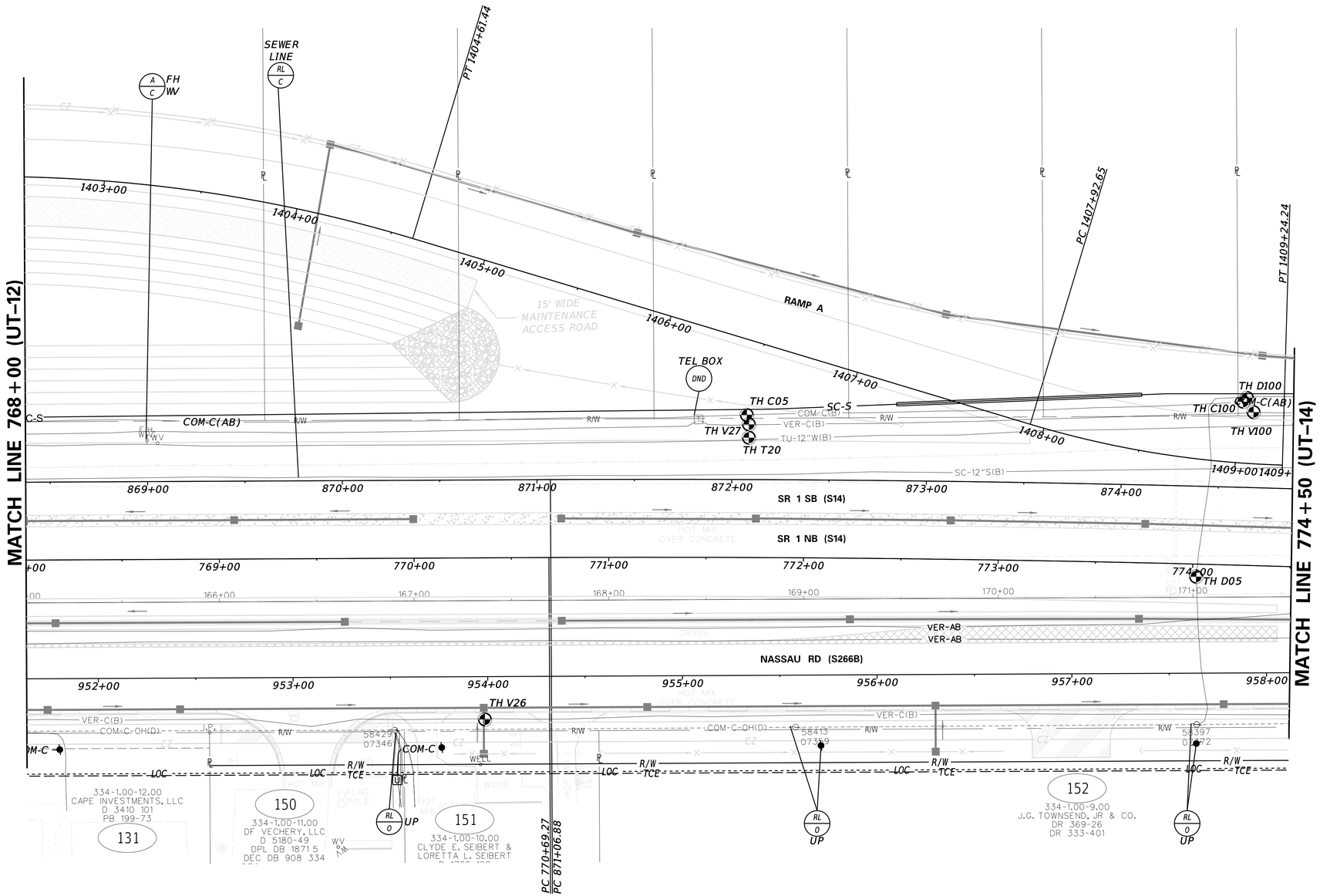
UTILITY RELOCATION PLAN

UT-12	
SECTION	PD
SHEET NO.	233

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UTILITY TEST HOLE SCHEDULE

NO.	UTILITY	STATION	OFFSET	GROUND EL.	COVER	O.D. & MATERIAL
TH C05	COMCAST	872+07.63	-33.13'	24.30'	1.99'	1" DIRECT CABLE
TH D05	DEC	774+01.86	6.47'	22.03'	1.64'	3" METAL ELECTRIC
TH T20	TIDEWATER	872+08.75	-21.50'	23.53'	4.01'	12" PLASTIC WATER
TH V26	VERIZON	953+98.42	21.98'	24.11'	2.15'	1 1/4" DIRECT TELE
TH V27	VERIZON	872+08.73	-28.33'	24.24'	2.73'	2" DIRECT TELE
TH C100	COMCAST	874+61.49	-43.96'	23.64'	2.05'	1" DIRECT TELE
TH D100	DEC	874+63.44	-45.95'	23.69'	3.44'	(2) 1" DIRECT ELEC
TH V100	VERIZON	874+67.01	-38.75'	23.53'	2.50'	3" DIRECT TELE



ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	T201612501
COUNTY	SUSSEX
BRIDGE NO.	X
DESIGNED BY: N. RIGOLINO	
CHECKED BY: B. BEHRENS	

UTILITY RELOCATION PLAN

UT-13
SECTION: PD
SHEET NO.: 234

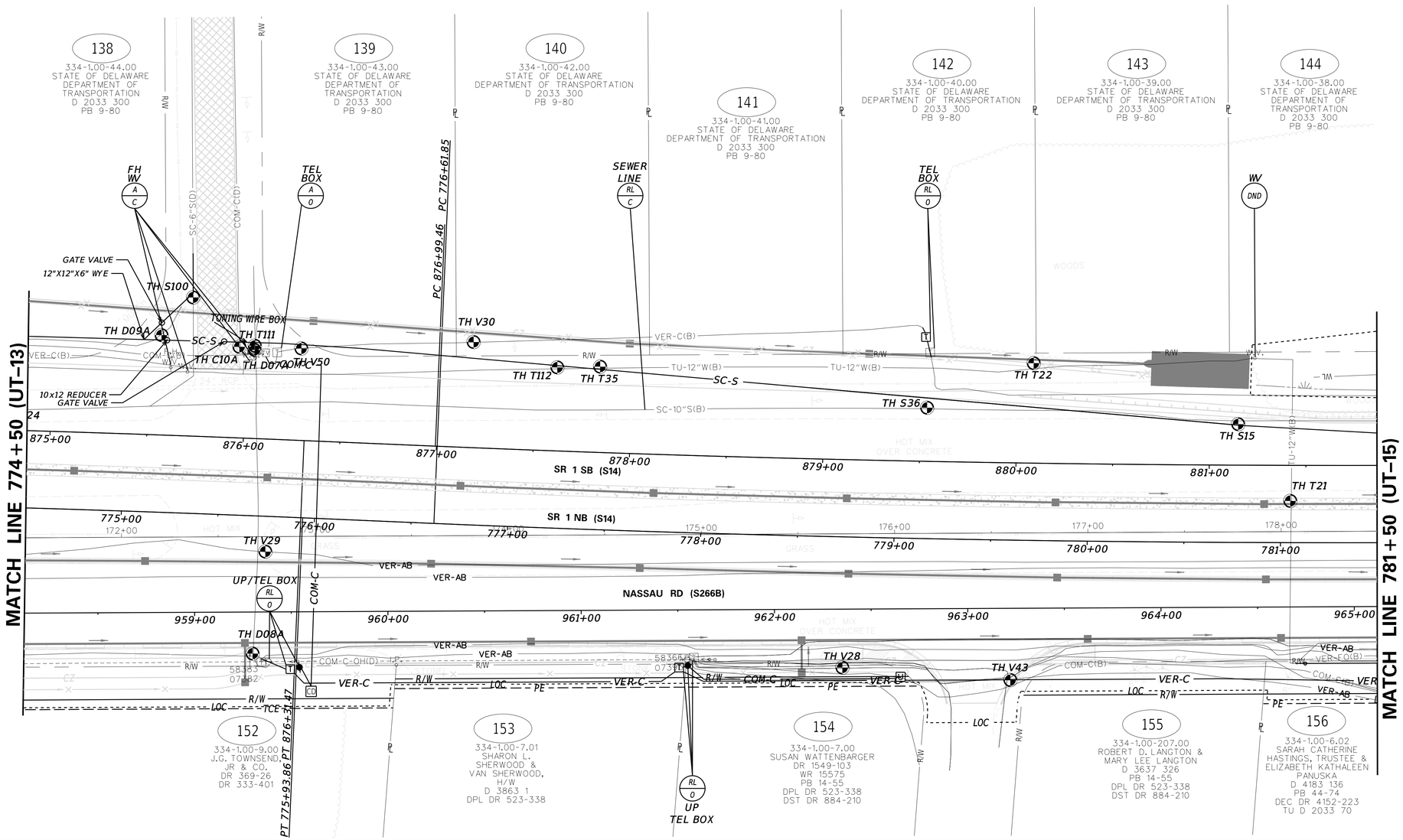
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UTILITY TEST HOLE SCHEDULE

NO.	UTILITY	STATION	OFFSET	GROUND EL.	COVER	O.D. & MATERIAL
TH S15	SUSSEX	881+14.90	-21.18'	17.45'	4.46'	12" PLASTIC FORCE
TH T21	TIDEWATER	881+41.92	18.41'	16.76'	13.10'	12" PLASTIC WATER
TH T22	TIDEWATER	880+08.44	-51.73'	17.05'	4.59'	12" PLASTIC WATER
TH V28	VERIZON	962+35.02	30.26'	21.76'	2.37'	1/2" DIRECT TELE
TH V29	VERIZON	775+75.33	18.28'	23.15'	3.70'	1" DIRECT TELE
TH V30	VERIZON	877+17.05	-54.65'	21.53'	2.14'	2" DIRECT TELE
TH V43	VERIZON	963+21.89	37.12'	19.11'	2.01'	2" DIRECT TELE
TH C10A	COMCAST	875+96.15	-47.11'	23.52'	2.32'	1" DIRECT CABLE
TH D07A	DEC	876+04.05	-45.80'	23.40'	3.49'	6" PLASTIC ELEC
TH D08A	DEC	959+29.92	21.55'	23.43'	3.44'	2" DIRECT ELEC
TH D09A	DEC	875+55.84	-51.65'	23.59'	3.34'	(2)1" DIRECT ELEC
TH S36	SUSSEX	879+53.48	-27.73'	17.77'	4.00'	12" PLASTIC SEWER
TH T35	TIDEWATER	877+83.27	-44.37'	19.53'	3.71'	12" PLASTIC WATER
TH V50	VERIZON	876+28.09	-47.55'	22.73'	2.40'	2" DIRECT TELE
TH S100	SUSSEX	875+71.42	-71.72'	23.62'	4.92'	6" PLASTIC SEWER
TH T111	TIDEWATER	876+04.08	-47.97'	23.47'	3.36'	6" PLASTIC WATER

UTILITY TEST HOLE SCHEDULE

NO.	UTILITY	STATION	OFFSET	GROUND EL.	COVER	O.D. & MATERIAL
TH T112	TIDEWATER	877+61.03	-43.21'	19.92'	3.52'	12" PLASTIC WATER



ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

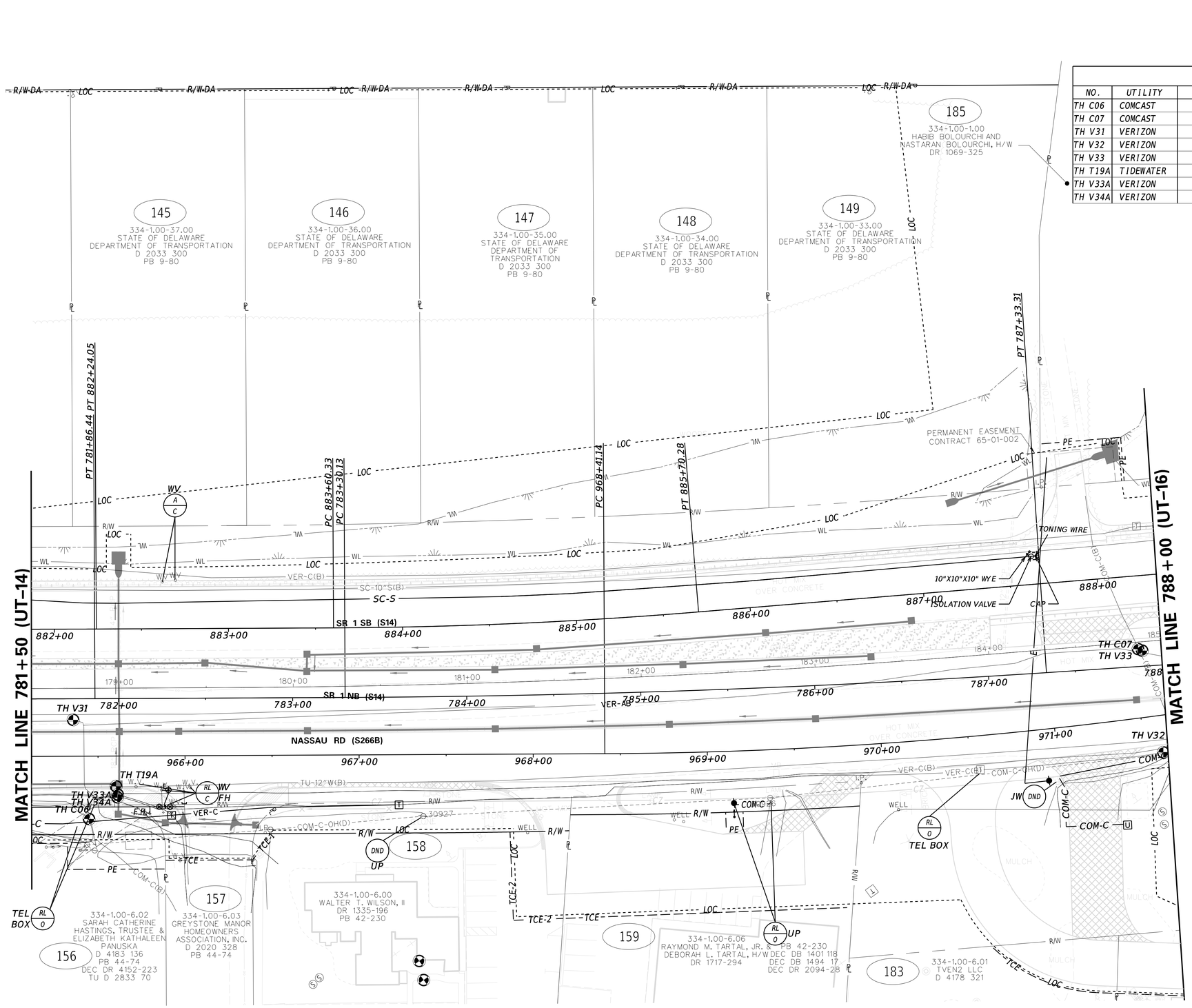
UTILITY RELOCATION PLAN

UT-14	
SECTION	PD
SHEET NO.	235

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UTILITY TEST HOLE SCHEDULE

NO.	UTILITY	STATION	OFFSET	GROUND EL.	COVER	O.D. & MATERIAL
TH C06	COMCAST	965+44.70	36.15'	16.39'	1.75'	(2)2" PLASTIC COND
TH C07	COMCAST	787+86.92	-21.81'	15.17'	5.27'	2" CABLE CONDUIT
TH V31	VERIZON	781+73.90	12.16'	16.38'	2.06'	1" DIRECT TELE
TH V32	VERIZON	971+60.47	22.72'	16.55'	2.23'	1" DIRECT TELE
TH V33	VERIZON	787+89.27	-20.76'	15.07'	3.40'	2" DIRECT TELE
TH T19A	TIDEWATER	965+60.32	17.42'	16.70'	3.98'	12" PLASTIC WATER
TH V33A	VERIZON	965+61.24	22.14'	16.64'	1.99'	1 1/2" DIRECT TELE
TH V34A	VERIZON	965+61.05	23.76'	16.40'	1.81'	(2)1" DIRECT TELE



ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

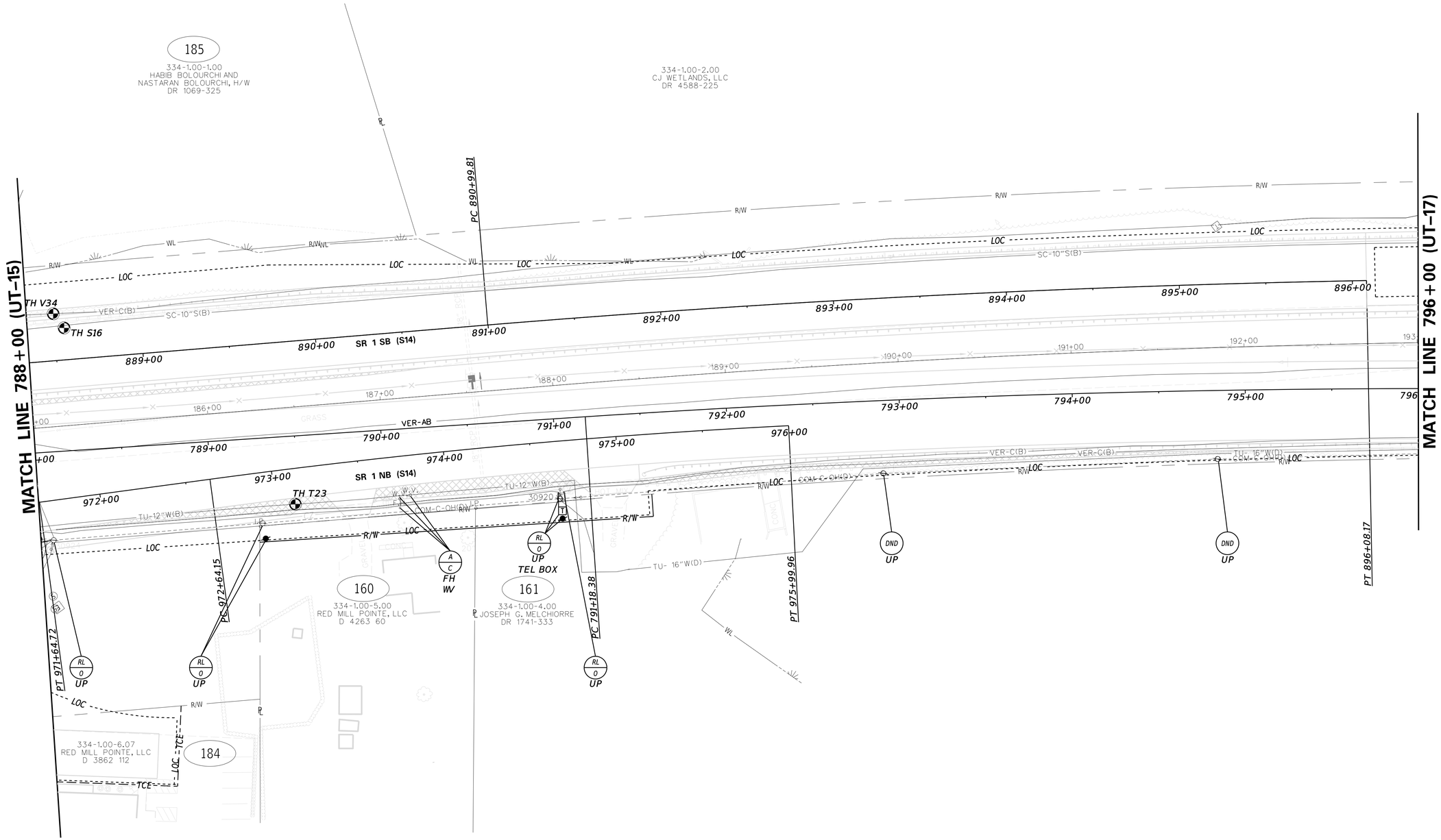
UTILITY RELOCATION PLAN

UT-15
SECTION
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SHEET NO.
236

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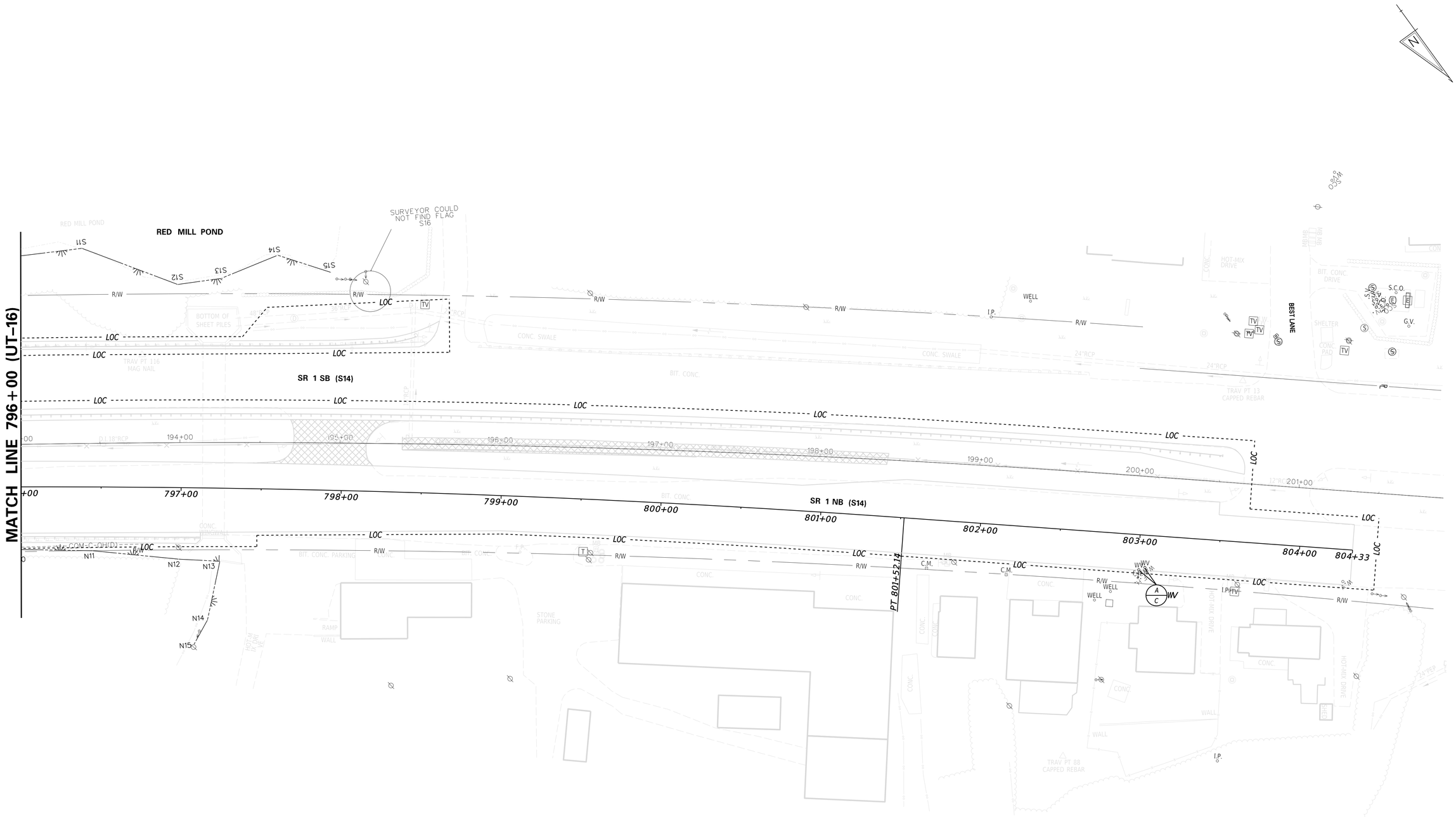
UTILITY TEST HOLE SCHEDULE

NO.	UTILITY	STATION	OFFSET	GROUND EL.	COVER	O.D. & MATERIAL
TH S16	SUSSEX	888+55.78	-18.43'	15.63'	4.47'	12" PLASTIC FORCE
TH T23	TIDEWATER	789+48.42	27.41'	14.06'	3.77'	12" PLASTIC WATER
TH V34	VERIZON	888+50.18	-27.09'	14.34'	2.33'	2" DIRECT TELE



ADDENDA / REVISIONS	SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO.	X	UTILITY RELOCATION PLAN	UT-16
	0 30 60 90 FEET		T201612501	DESIGNED BY: N. RIGOLINO			SECTION PD
			COUNTY SUSSEX	CHECKED BY: B. BEHRENS			SHEET NO. 237

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ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO. 3-719
T201612501	DESIGNED BY: N. RIGOLINO
COUNTY	CHECKED BY: B. BEHRENS
SUSSEX	

UTILITY RELOCATION PLAN

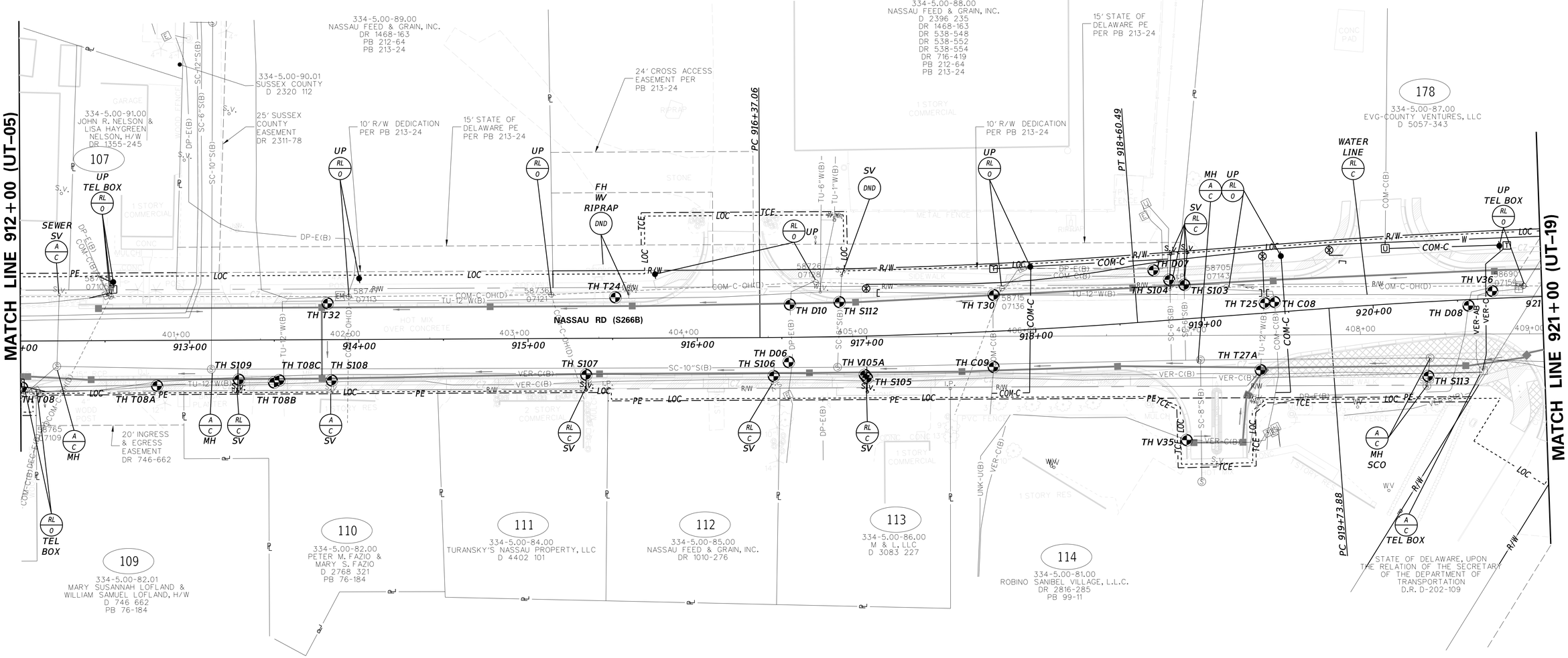
UT-17
SECTION PD
SHEET NO. 238

UTILITY TEST HOLE SCHEDULE

NO.	UTILITY	STATION	OFFSET	GROUND EL.	COVER	O.D. & MATERIAL
TH C08	COMCAST	919+42.12	-6.07'	23.93'	2.55'	1" DIRECT CABLE
TH C09	COMCAST	917+74.21	20.99'	22.87'	4.00'	1" DIRECT CABLE
TH D06	DEC	916+56.14	17.75'	22.03'	4.38'	2" CONDUIT ELEC
TH D07	DEC	918+72.13	-30.07'	22.42'	2.46'	4" PLASTIC ELEC
TH D08	DEC	920+56.39	3.56'	24.64'	2.88'	4" PLASTIC ELEC
TH D10	DEC	916+54.98	-19.34'	21.85'	2.62'	3" PLASTIC ELEC
TH T08	TIDEWATER	912+00.95	27.48'	17.21'	2.90'	12" PLASTIC WATER
TH T08A	TIDEWATER	912+80.65	26.84'	17.89'	3.57'	12" PLASTIC WATER
TH T08B	TIDEWATER	913+49.77	25.22'	18.35'	3.60'	12" METALLIC WATER
TH T08C	TIDEWATER	913+52.91	23.94'	18.37'	3.80'	12" METALLIC WATER
TH T24	TIDEWATER	915+51.73	-24.14'	21.21'	3.92'	12" PLASTIC WATER
TH T25	TIDEWATER	919+36.33	-5.84'	23.90'	4.85'	16" PLASTIC WATER
TH T30	TIDEWATER	917+76.28	-21.44'	22.84'	2.71'	12" PLASTIC WATER
TH T32	TIDEWATER	913+81.65	-21.39'	18.83'	3.94'	12" PLASTIC WATER
TH V35	VERIZON	918+84.26	71.50'	24.02'	2.52'	3" PLASTIC TELE
TH V36	VERIZON	920+70.74	-4.38'	24.62'	3.50'	1" DIRECT TELE
TH T27A	TIDEWATER	919+30.95	33.49'	23.68'	4.64'	12" METALLIC WATER
TH S103	SUSSEX	918+89.72	-20.12'	23.68'	4.61'	6" PLASTIC SEWER
TH S104	SUSSEX	918+81.02	-23.74'	23.32'	5.00'	6" PLASTIC SEWER
TH S105	SUSSEX	916+99.79	24.81'	22.50'	4.71'	6" PLASTIC SEWER
TH V105A	VERIZON	916+98.53	23.08'	22.43'	2.31'	3" DIRECT TELE

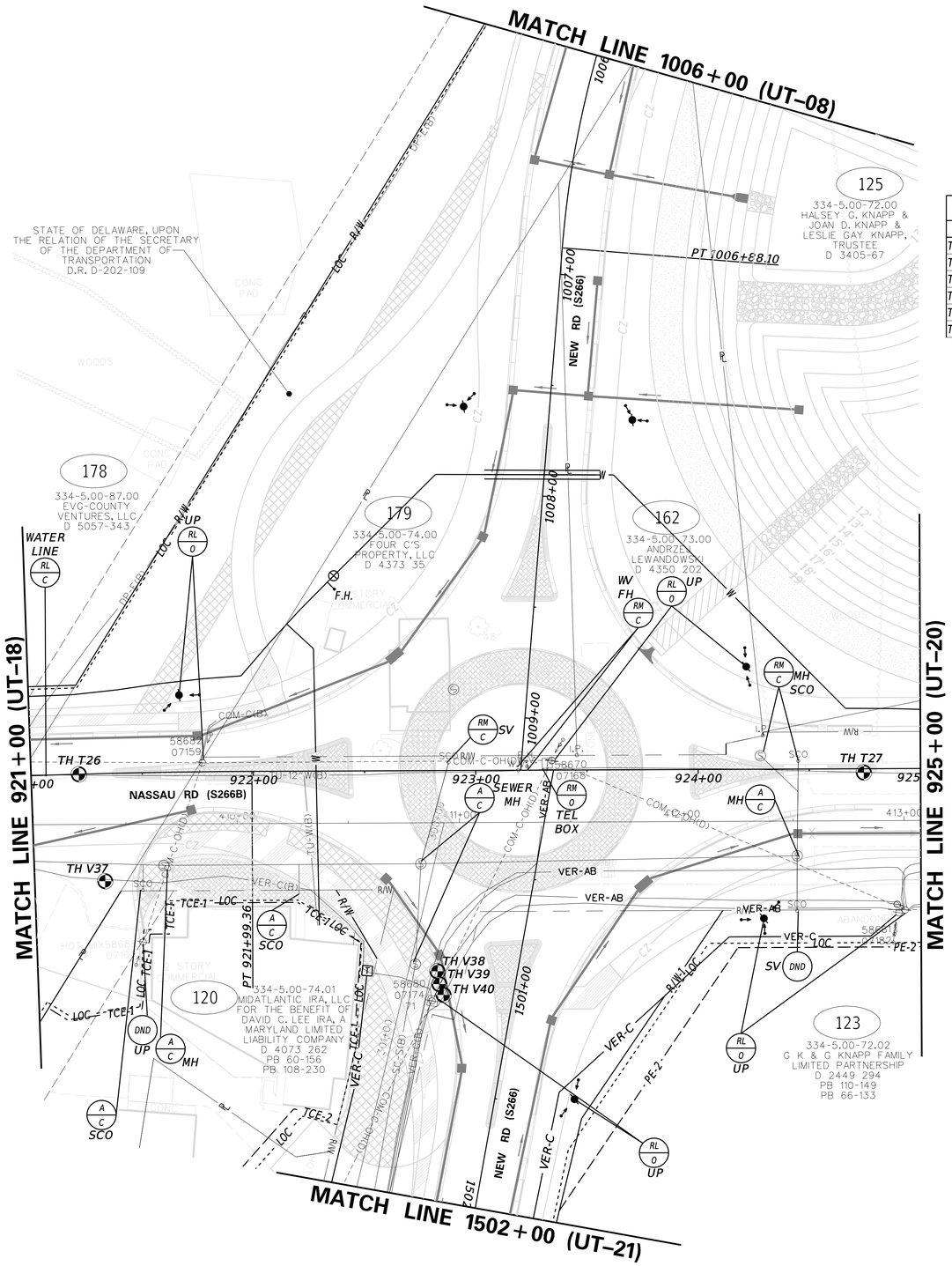
UTILITY TEST HOLE SCHEDULE

NO.	UTILITY	STATION	OFFSET	GROUND EL.	COVER	O.D. & MATERIAL
TH S106	SUSSEX	916+45.11	22.90'	22.09'	4.12'	6" PLASTIC SEWER
TH S107	SUSSEX	915+34.30	21.55'	20.54'	3.77'	6" PLASTIC SEWER
TH S108	SUSSEX	913+83.90	24.19'	19.11'	4.01'	6" PLASTIC SEWER
TH S109	SUSSEX	913+29.02	23.43'	18.30'	6.19'	6" PLASTIC SEWER
TH S112	SUSSEX	916+84.50	-20.32'	21.99'	11.55'	6" PLASTIC SEWER
TH S113	SUSSEX	920+30.25	43.97'	24.30'	13.14'	8" PLASTIC SEWER



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ADDENDA / REVISIONS	SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO.	X	UTILITY RELOCATION PLAN	UT–18
	0 30 60 90 FEET		T201612501	DESIGNED BY: N. RIGOLINO			SECTION PD
			COUNTY SUSSEX	CHECKED BY: B. BEHRENS			SHEET NO. 239



UTILITY TEST HOLE SCHEDULE

NO.	UTILITY	STATION	OFFSET	GROUND EL.	COVER	O.D. & MATERIAL
TH T26	TIDEWATER	921+21.56	0.09'	24.83'	4.33'	12" PLASTIC WATER / 24" METAL CASING
TH T27	TIDEWATER	924+74.56	1.72'	23.59'	3.34'	12" PLASTIC WATER
TH V37	VERIZON	921+32.18	48.44'	24.73'	3.77'	2" PLASTIC TELE
TH V38	VERIZON	1500+98.24	35.44'	23.11'	2.65'	1/2" DIRECT TELE
TH V39	VERIZON	1501+03.77	33.55'	22.76'	1.92'	1/2" DIRECT TELE
TH V40	VERIZON	1501+08.23	30.83'	22.34'	2.20'	1" DIRECT TELE

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

UTILITY RELOCATION PLAN

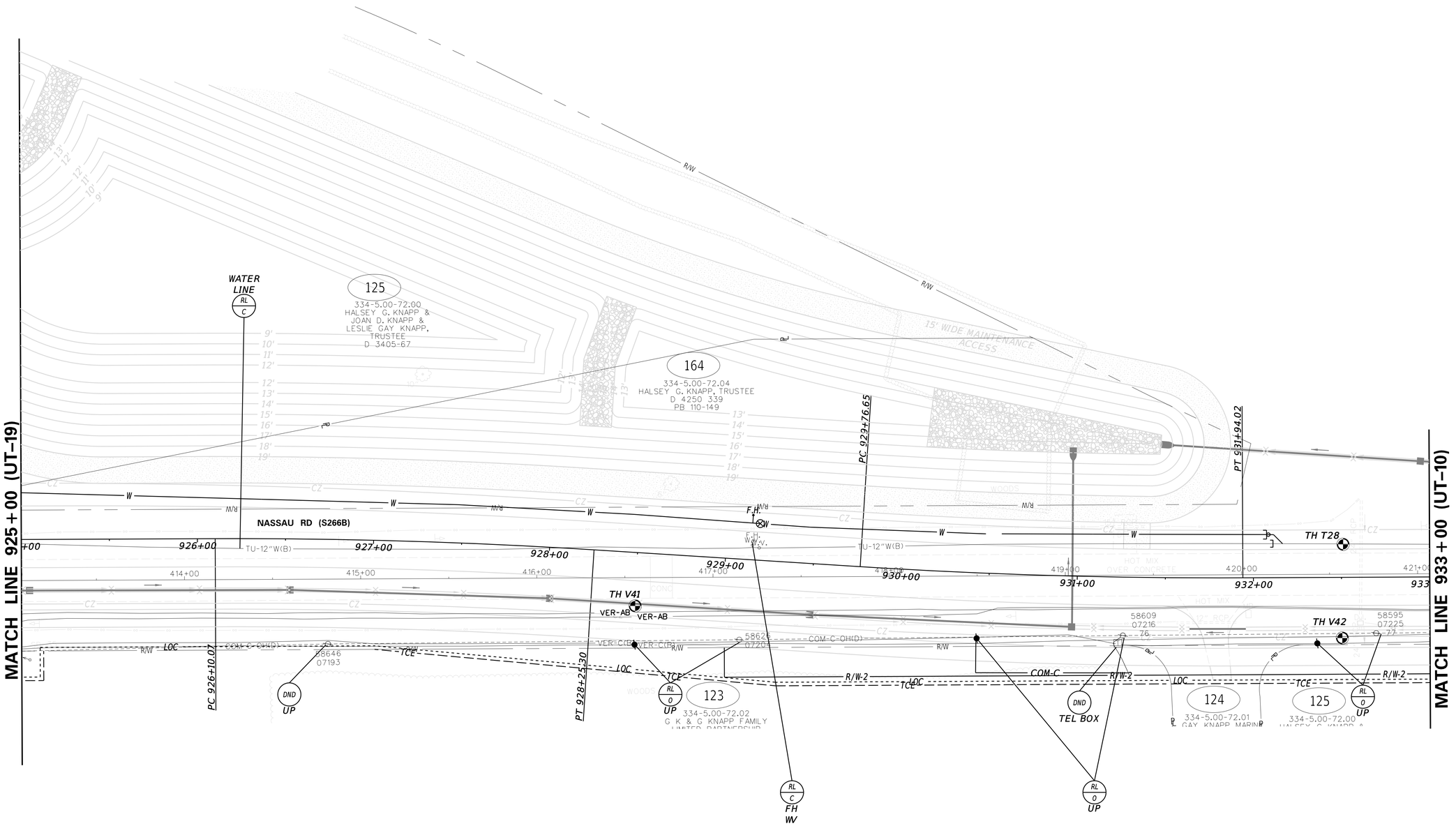
UT-19

SECTION	SHEET NO.
PD	240

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UTILITY TEST HOLE SCHEDULE

NO.	UTILITY	STATION	OFFSET	GROUND EL.	COVER	O.D. & MATERIAL
TH T28	TIDEWATER	932+51.02	-18.73'	21.25'	2.82'	12" PLASTIC WATER
TH V41	VERIZON	928+52.98	33.17'	22.59'	2.75'	2" DIRECT TELE
TH V42	VERIZON	932+50.34	34.45'	20.19'	2.42'	1" DIRECT TELE

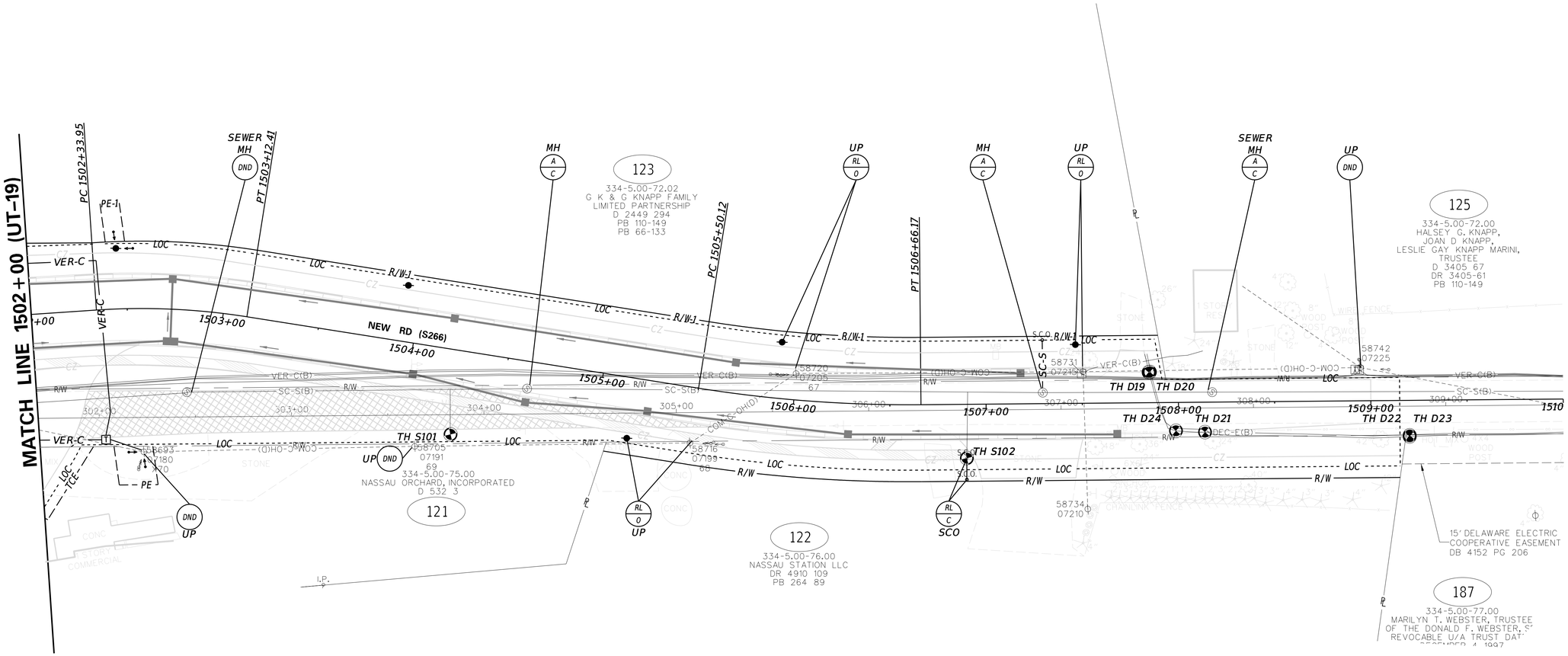


ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	UTILITY RELOCATION PLAN	UT-20
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SECTION PD
					CHECKED BY: B. BEHRENS		SHEET NO. 241

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UTILITY TEST HOLE SCHEDULE

NO.	UTILITY	STATION	OFFSET	GROUND EL.	COVER	O.D. & MATERIAL
TH D19	DEC	1507+84.63	-15.78'	23.79'	4.76'	2" PLASTIC ELEC
TH D20	DEC	1507+85.29	-15.91'	23.81'	4.80'	(2)3" PLASTIC ELEC
TH D21	DEC	1508+13.66	15.59'	23.43'	3.02'	(2)3" (1)2" PLASTIC ELEC
TH D22	DEC	1509+20.03	18.20'	23.72'	4.45'	3" PLASTIC ELEC
TH D23	DEC	1509+20.02	18.81'	23.81'	4.54'	(2)2" PLASTIC ELEC
TH D24	DEC	1507+98.58	14.77'	23.51'	2.70'	(3)1.5" PLASTIC ELEC
TH S101	SUSSEX	1504+26.53	43.87'	24.39'	6.40'	8" PLASTIC SEWER
TH S102	SUSSEX	1506+89.78	28.01'	24.35'	7.48'	6" PLASTIC SEWER



ADDENDA / REVISIONS	SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	UTILITY RELOCATION PLAN	UT-21
			COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SECTION PD
				CHECKED BY: B. BEHRENS		SHEET NO. 242

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GENERAL LIGHTING NOTES:

1. ALL LIGHTING JUNCTION WELLS SHALL BE TYPE 1, UNLESS OTHERWISE NOTED.
2. EXISTING LIGHT POLES, DAVIT ARMS, LUMINAIRES, AND JUNCTION WELLS BEING REMOVED SHALL BE SALVAGED AND DELIVERED TO DELDOT SOUTH DISTRICT MAINTENANCE YARD, 24450 LEWES GEORGETOWN HIGHWAY, GEORGETOWN, DELAWARE, UNLESS OTHERWISE NOTED. CONTACT THE SOUTH DISTRICT MAINTENANCE ENGINEER AT 302-853-1300 TO COORDINATE DELIVERY.
3. THE REMOVAL OF EXISTING LIGHTING POLES, LIGHTING POLE FOUNDATIONS, METAL TRANSFORMER BASES, LIGHTING CABINET BASES, STRUCTURE MOUNTED LIGHTING CONDUIT, AND JUNCTION WELLS SHALL BE PAID UNDER ITEM #211000 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS. PAYMENT FOR REMOVAL OF EXISTING LUMINAIRES SHALL BE PAID UNDER ITEM #850011 - REMOVAL OF LUMINAIRE.
4. LOCATION OF CONDUIT MAY BE ADJUSTED IN FIELD TO AVOID EXISTING OR OTHER PROPOSED CONSTRUCTION FEATURES, SUBJECT TO APPROVAL BY THE ENGINEER. ALL CONDUITS AND POLES SHALL BE LOCATED WITHIN EXISTING/PROPOSED RIGHT-OF-WAY OR PERMANENT EASEMENT.
5. FOR FINAL CONNECTION TO LIGHT FIXTURES, AND LIGHT STANDARD AND FIXTURE DETAILS, SEE TYPICAL LUMINAIRE CONNECTION DETAILS ON LIGHTING DETAIL SHEETS.
6. COORDINATE THE INSTALLATION OF ITMS MULTIDUCT CONDUIT AND LIGHTING CONDUIT IN TRENCHES. REFER TO SIGNING, STRIPING AND CONDUIT PLANS FOR ITMS DETAILS. ITMS AND LIGHTING CABLES SHALL NOT SHARE THE SAME CONDUIT OR JUNCTION WELL, UNLESS OTHERWISE NOTED.
7. UNLESS OTHERWISE NOTED, CONTRACTORS SHALL RUN UNSPLICED, CONTINUOUS CABLE FROM POINT OF SERVICE TO LIGHT POLE BASE, AND FROM LIGHT POLE BASE TO LIGHT POLE BASE.
8. FOR ACCESS TO DELDOT OWNED LIGHTING EQUIPMENT, CONTACT THE SOUTH DISTRICT MASTER ELECTRICIAN AT 302-853-1300 AT THE SOUTH DISTRICT FACILITY AT LEAST 48 HOURS IN ADVANCE.
9. BURIED ELECTRICAL CABLE AND CONDUIT, AND OTHER UTILITIES MAY EXIST THROUGHOUT THIS PROJECT. THE EXISTING UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PREVENTING DAMAGE TO THEM, AND MAINTAINING THEM IN SERVICE WHEN AND WHERE REQUIRED. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES BY HAND EXCAVATION PRIOR TO TRENCHING BY MACHINE.

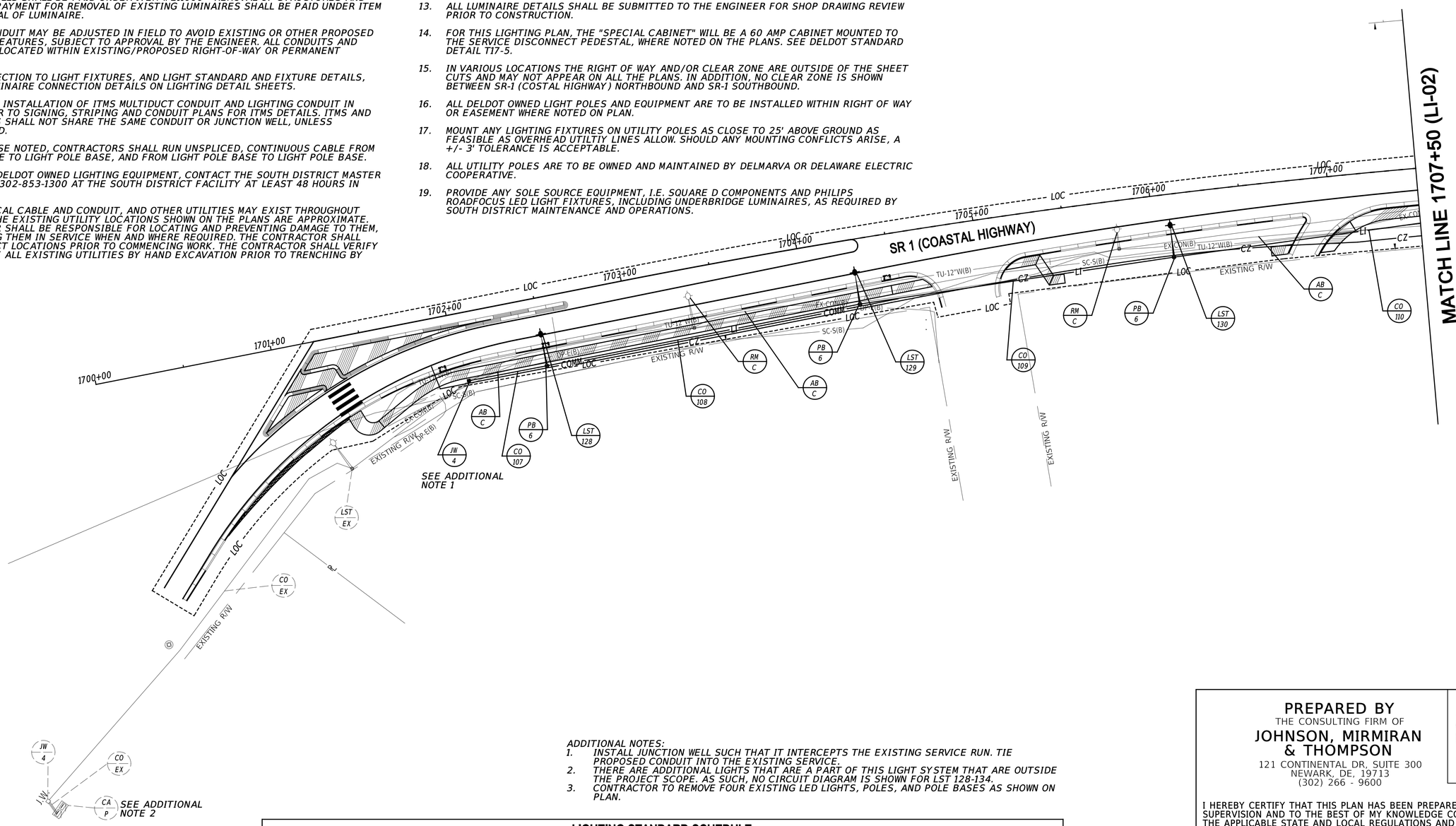
GENERAL LIGHTING NOTES (CONTD.):

10. ALL LIGHTING CONDUIT ENDS IN JUNCTION WELLS AND POLE BASES SHALL BE SEALED WITH PEST DETERRING FOAM, THE TYPE OF WHICH SHALL BE SPECIFIED BY DELDOT MAINTENANCE AND OPERATIONS.
11. THE EXISTING LIGHTING WITHIN THE PROJECT LIMITS SHOULD BE MAINTAINED AS LONG AS THE PHASING ALLOWS. FINAL LIGHTING SHOULD BE PROVIDED AS DESIGNED ONCE CONNECTION TO THE POWER SOURCE IS COMPLETED.
12. EXISTING ROADWAY LIGHTING CONDUITS AND CABLES SHALL REMAIN UNLESS NOTED OTHERWISE ON THE PLANS.
13. ALL LUMINAIRE DETAILS SHALL BE SUBMITTED TO THE ENGINEER FOR SHOP DRAWING REVIEW PRIOR TO CONSTRUCTION.
14. FOR THIS LIGHTING PLAN, THE "SPECIAL CABINET" WILL BE A 60 AMP CABINET MOUNTED TO THE SERVICE DISCONNECT PEDESTAL, WHERE NOTED ON THE PLANS. SEE DELDOT STANDARD DETAIL T17-5.
15. IN VARIOUS LOCATIONS THE RIGHT OF WAY AND/OR CLEAR ZONE ARE OUTSIDE OF THE SHEET CUTS AND MAY NOT APPEAR ON ALL THE PLANS. IN ADDITION, NO CLEAR ZONE IS SHOWN BETWEEN SR-1 (COSTAL HIGHWAY) NORTHBOUND AND SR-1 SOUTHBOUND.
16. ALL DELDOT OWNED LIGHT POLES AND EQUIPMENT ARE TO BE INSTALLED WITHIN RIGHT OF WAY OR EASEMENT WHERE NOTED ON PLAN.
17. MOUNT ANY LIGHTING FIXTURES ON UTILITY POLES AS CLOSE TO 25' ABOVE GROUND AS FEASIBLE AS OVERHEAD UTILTIY LINES ALLOW. SHOULD ANY MOUNTING CONFLICTS ARISE, A +/- 3' TOLERANCE IS ACCEPTABLE.
18. ALL UTILITY POLES ARE TO BE OWNED AND MAINTAINED BY DELMARVA OR DELAWARE ELECTRIC COOPERATIVE.
19. PROVIDE ANY SOLE SOURCE EQUIPMENT, I.E. SQUARE D COMPONENTS AND PHILIPS ROADFOCUS LED LIGHT FIXTURES, INCLUDING UNDERBRIDGE LUMINAIRES, AS REQUIRED BY SOUTH DISTRICT MAINTENANCE AND OPERATIONS.

LIGHTING SERVICE SCHEDULE

LSR NO.	NO. OF CONDUITS	SIZE/TYPE	LENGTH	INSTALL METHOD	AMOUNT AND TYPE OF CABLE / WIRE
107	1	3"-PVC	120'	T	(3)#6 + (1) #6 GND
108	1	3"-PVC	180'	T	(3)#6 + (1) #6 GND
109	1	4"-HDPE	180'	T/B	(3)#6 + (1) #6 GND
110	1	4"-HDPE	180'	T/B	(3)#6 + (1) #6 GND

ALL CONDUITS SHALL BE SCHEDULE 80 PVC UNLESS OTHERWISE NOTED.
B = BORE, T = TRENCH, O = OPEN CUT



ADDITIONAL NOTES:
1. INSTALL JUNCTION WELL SUCH THAT IT INTERCEPTS THE EXISTING SERVICE RUN. TIE PROPOSED CONDUIT INTO THE EXISTING SERVICE.
2. THERE ARE ADDITIONAL LIGHTS THAT ARE A PART OF THIS LIGHT SYSTEM THAT ARE OUTSIDE THE PROJECT SCOPE. AS SUCH, NO CIRCUIT DIAGRAM IS SHOWN FOR LST 128-134.
3. CONTRACTOR TO REMOVE FOUR EXISTING LED LIGHTS, POLES, AND POLE BASES AS SHOWN ON PLAN.

LIGHTING STANDARD SCHEDULE

NO.	CIRCUIT NO.	STATION	OFFSET	ARM	LIGHT STANDARD	POLE BASE	LUMINAIRE	LIGHT DISTRIBUTION
128	A	1702+50.00	38.50' RT	12'	40' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
129	B	1704+29.98	36.50' RT	12'	40' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
130	A	1706+09.50	35.38' RT	12'	40' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II

W = WATT
LED = LIGHT EMITTING DIODE
HPS = HIGH PRESSURE SODIUM

PREPARED BY
THE CONSULTING FIRM OF
JOHNSON, MIRMIRAN & THOMPSON
121 CONTINENTAL DR, SUITE 300
NEWARK, DE, 19713
(302) 266 - 9600

MIR A. WAHED LICENSE No. 14810 DELAWARE PROFESSIONAL ENGINEER
SEAL

I HEREBY CERTIFY THAT THIS PLAN HAS BEEN PREPARED UNDER MY SUPERVISION AND TO THE BEST OF MY KNOWLEDGE COMPLIES WITH THE APPLICABLE STATE AND LOCAL REGULATIONS AND ORDINANCES.

Mir Abe Wahed — 5/7/2024
RECOMMENDED — DATE

THIS SEAL APPLIES TO LI-01 TO LI-25 ONLY.

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

SR 1, MINOS CONWAY GRADE SEPARATED INTERSECTION

CONTRACT	T201612501
COUNTY	SUSSEX
BRIDGE NO.	X
DESIGNED BY:	K. PRICE/R. KUSY
CHECKED BY:	M. WAHED

LIGHTING PLAN

LI-01	
SECTION	JMT
SHEET NO.	243

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LIGHTING SERVICE SCHEDULE

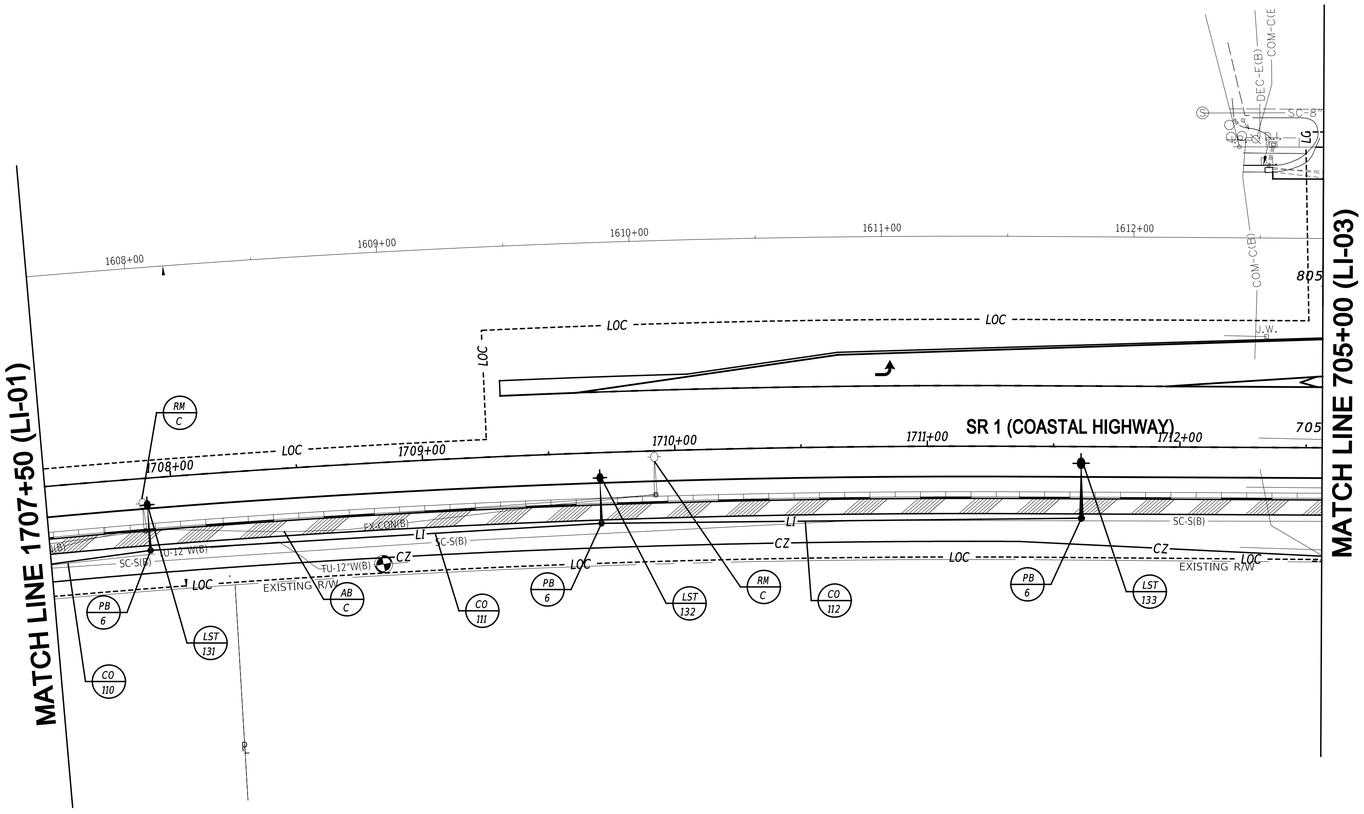
LSR NO.	NO. OF CONDUITS	SIZE/TYPE	LENGTH	INSTALL METHOD	AMOUNT AND TYPE OF CABLE / WIRE
110	INFORMATION SHOWN ON LI-01				
111	1	3"-PVC	180'	T	(3)#6 + (1) #6 GND
112	1	3"-PVC	190'	T	(3)#6 + (1) #6 GND

ALL CONDUITS SHALL BE SCHEDULE 80 PVC UNLESS OTHERWISE NOTED.
B = BORE, T = TRENCH, O = OPEN CUT

LIGHTING STANDARD SCHEDULE

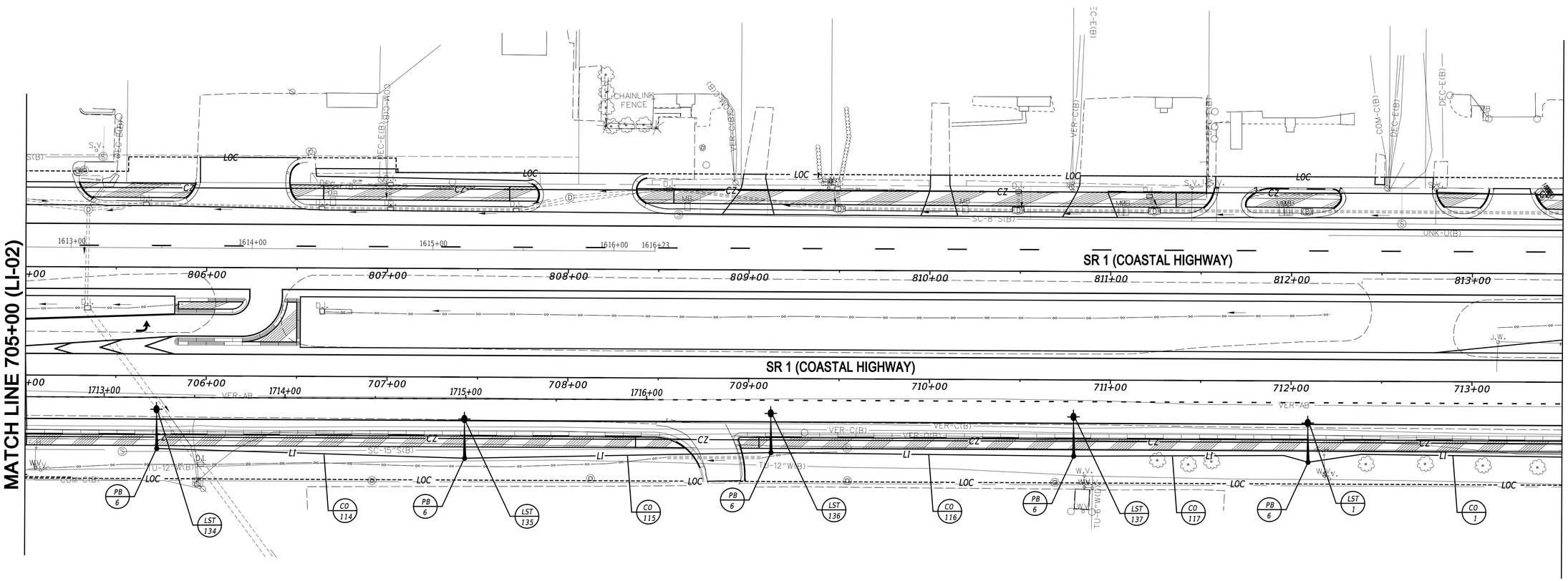
NO.	CIRCUIT NO.	STATION	OFFSET	ARM	LIGHT STANDARD	POLE BASE	LUMINAIRE	LIGHT DISTRIBUTION
131	B	1707+89.90	28.63' RT	12'	40' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
132	A	1709+79.98	28.00' RT	12'	40' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
133	B	1711+61.14	28.34' RT	12'	40' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE III

W = WATT
LED = LIGHT EMITTING DIODE
HPS = HIGH PRESSURE SODIUM



ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	LIGHTING PLAN	LI-02 SECTION JMT
				COUNTY SUSSEX	DESIGNED BY: K. PRICE/R. KUSY		SHEET NO. 244
					CHECKED BY: M. WAHED		

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LIGHTING SERVICE SCHEDULE

LSR NO.	NO. OF CONDUITS	SIZE/TYPE	LENGTH	INSTALL METHOD	AMOUNT AND TYPE OF CABLE / WIRE
1	1	3"-PVC	200'	T/B	(3)#2 + (1) #2 GND
114	1	4"-HDPE	170'	T/B	(2)#2 + (1) #2 GND
115	1	4"-HDPE	170'	T/B	(3)#2 + (1) #2 GND
116	1	3"-PVC	170'	T	(3)#2 + (1) #2 GND
117	1	3"-PVC	135'	T	(3)#2 + (1) #2 GND

ALL CONDUITS SHALL BE SCHEDULE 80 PVC UNLESS OTHERWISE NOTED.
B = BORE, T = TRENCH, O = OPEN CUT

LIGHTING STANDARD SCHEDULE

NO.	CIRCUIT NO.	STATION	OFFSET	ARM	LIGHT STANDARD	POLE BASE	LUMINAIRE	LIGHT DISTRIBUTION
1	B	712+09.66	45.19' RT	12'	40' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
134	B	705+72.85	40.32' RT	12'	40' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE III
135	A	707+43.14	44.91' RT	12'	40' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE III
136	B	709+12.55	41.01' RT	12'	40' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
137	A	710+79.97	42.18' RT	12'	40' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II

W = WATT
LED = LIGHT EMITTING DIODE
HPS = HIGH PRESSURE SODIUM

ADDENDA / REVISIONS

SCALE
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FEET

SR 1, MINOS CONWAY GRADE SEPARATED INTERSECTION

CONTRACT	T201612501
COUNTY	SUSSEX
BRIDGE NO.	X
DESIGNED BY:	K. PRICE/R. KUSY
CHECKED BY:	M. WAHED

LIGHTING PLAN

	LI-03
SECTION	JMT
SHEET NO.	245

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LIGHTING SERVICE SCHEDULE

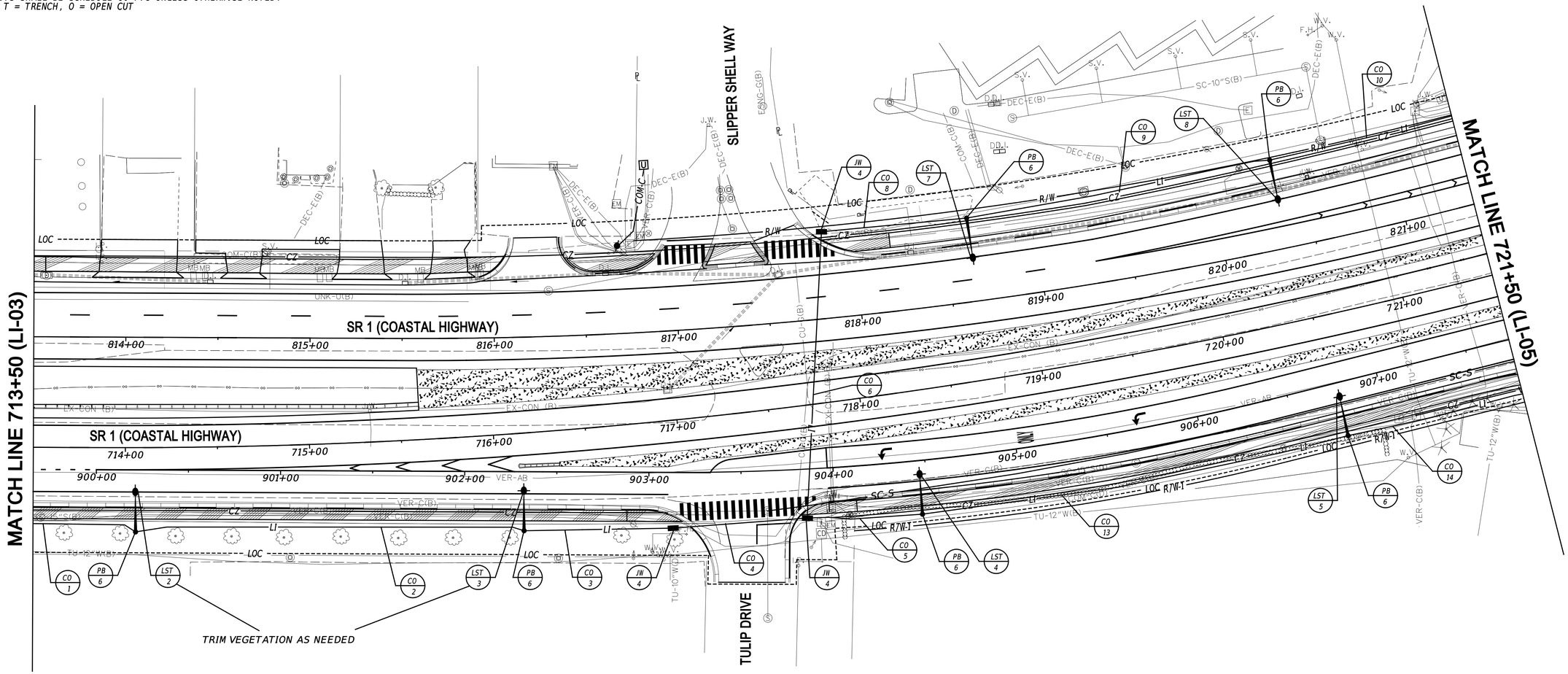
LSR NO.	NO. OF CONDUITS	SIZE/TYPE	LENGTH	INSTALL METHOD	AMOUNT AND TYPE OF CABLE / WIRE
1	INFORMATION SHOWN ON LI-03				
2	1	3"-PVC	215'	T	(3)#2 + (1) #2 GND
3	1	3"-PVC	85'	T	(3)#2 + (1) #2 GND
4	1	4"-HDPE	75'	B	(3)#2 + (1) #2 GND
5	1	3"-PVC	65'	T	(3)#2 + (1) #2 GND
6	1	4"-HDPE	155'	B	(3)#2 + (1) #2 GND
8	1	3"-PVC	80'	T	(3)#2 + (1) #2 GND
9	1	3"-PVC	170'	T	(3)#2 + (1) #2 GND
10	1	3"-PVC	225'	T	(3)#2 + (1) #2 GND
13	1	3"-PVC	235'	T	(3)#2 + (1) #2 GND
14	1	3"-PVC	215'	T	(2)#2 + (1) #2 GND

ALL CONDUITS SHALL BE SCHEDULE 80 PVC UNLESS OTHERWISE NOTED.
B = BORE, T = TRENCH, O = OPEN CUT

LIGHTING STANDARD SCHEDULE

NO.	CIRCUIT NO.	STATION	OFFSET	ARM	LIGHT STANDARD	POLE BASE	LUMINAIRE	LIGHT DISTRIBUTION
2	A	900+21.13	36.53' RT	12'	40' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
3	B	902+31.75	32.02' RT	12'	40' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
4	A	904+46.47	29.16' RT	12'	40' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
5	B	906+77.71	29.50' RT	12'	40' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
7	B	818+63.36	45.45' LT	12'	30' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
8	A	820+34.39	48.58' LT	12'	30' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II

W = WATT
LED = LIGHT EMITTING DIODE
HPS = HIGH PRESSURE SODIUM



ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	LIGHTING PLAN	LI-04
				COUNTY SUSSEX	DESIGNED BY: K. PRICE/R. KUSY		SECTION JMT
					CHECKED BY: M. WAHED		SHEET NO. 246

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LIGHTING SERVICE SCHEDULE

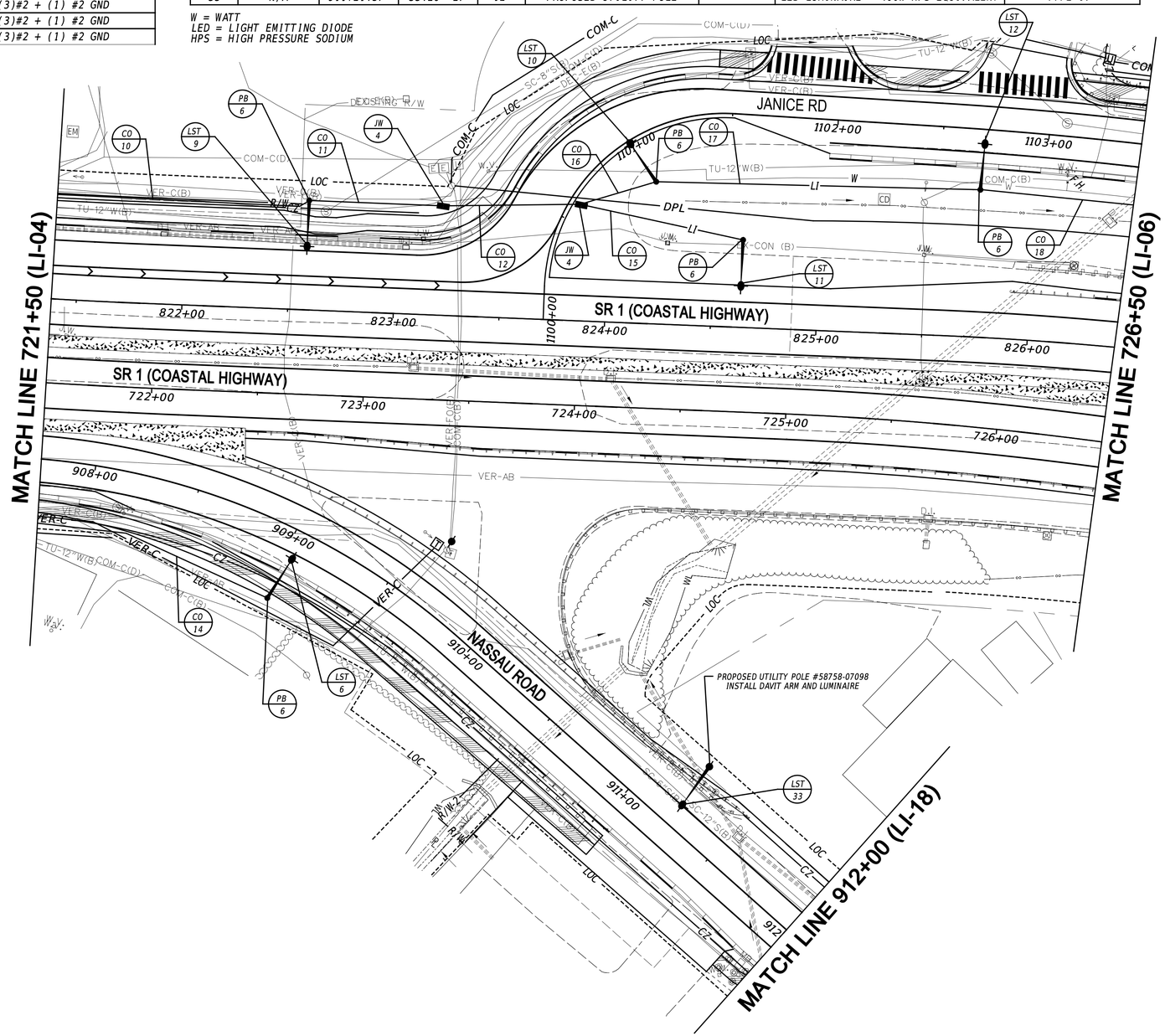
LSR NO.	NO. OF CONDUITS	SIZE/TYPE	LENGTH	INSTALL METHOD	AMOUNT AND TYPE OF CABLE / WIRE
10	INFORMATION SHOWN ON LI-04				
11	1	3"-PVC	65'	T	(3)#2 + (1) #2 GND
12	1	4"-HDPE	70'	B	(3)#2 + (1) #2 GND
14	INFORMATION SHOWN ON LI-04				
15	1	3"-PVC	80'	T	(2)#2 + (1) #2 GND
16	1	3"-PVC	40'	T	(3)#2 + (1) #2 GND
17	1	3"-PVC	155'	T	(3)#2 + (1) #2 GND
18	1	3"-PVC	220'	T	(3)#2 + (1) #2 GND

ALL CONDUITS SHALL BE SCHEDULE 80 PVC UNLESS OTHERWISE NOTED.
B = BORE, T = TRENCH, O = OPEN CUT

LIGHTING STANDARD SCHEDULE

NO.	CIRCUIT NO.	NORTHING	EASTING	ARM	LIGHT STANDARD	POLE BASE	LUMINAIRE	LIGHT DISTRIBUTION
6	A	909+03.27	42.07' RT	12'	40' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
9	B	822+58.85	51.76' LT	12'	30' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
10	B	1100+98.94	23.29' RT	12'	30' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
11	A	824+65.81	41.36' LT	12'	30' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
12	A	1102+70.20	28.51' RT	12'	30' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
33	N/A	911+21.37	33.26' LT	12'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 400W HPS EQUIVALENT	TYPE IV

W = WATT
LED = LIGHT EMITTING DIODE
HPS = HIGH PRESSURE SODIUM



ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	LIGHTING PLAN	LI-05
				COUNTY SUSSEX	DESIGNED BY: K. PRICE/R. KUSY		SECTION JMT
					CHECKED BY: M. WAHED		SHEET NO. 247

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LIGHTING SERVICE SCHEDULE

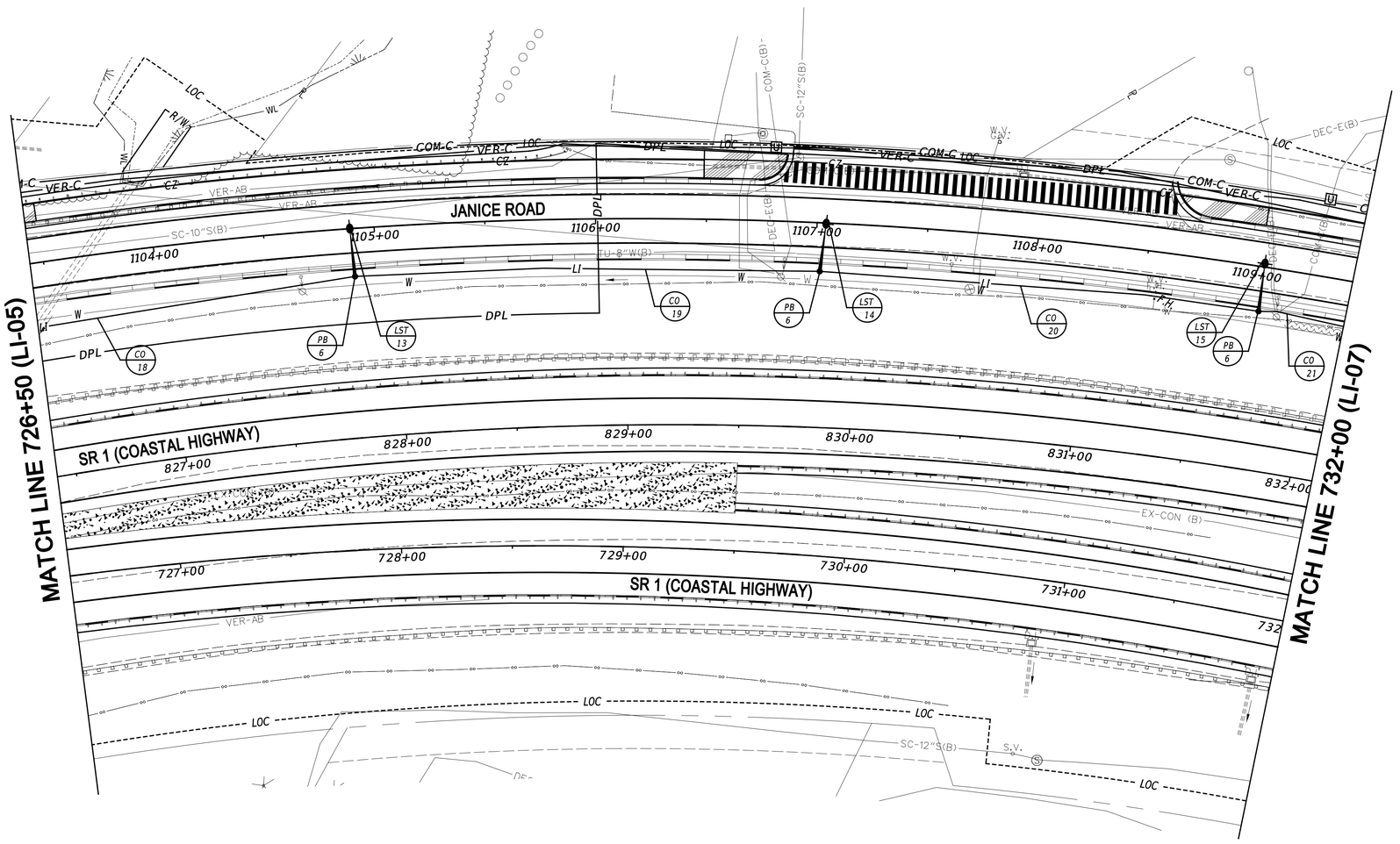
LSR NO.	NO. OF CONDUITS	SIZE/TYPE	LENGTH	INSTALL METHOD	AMOUNT AND TYPE OF CABLE / WIRE
18	INFORMATION SHOWN ON LI-05				
19	1	3"-PVC	215'	T	(3)#2 + (1) #2 GND
20	1	3"-PVC	200'	T	(3)#2 + (1) #2 GND
21	1	3"-PVC	210'	T	(3)#2 + (1) #2 GND

ALL CONDUITS SHALL BE SCHEDULE 80 PVC UNLESS OTHERWISE NOTED.
B = BORE, T = TRENCH, O = OPEN CUT

LIGHTING STANDARD SCHEDULE

NO.	CIRCUIT NO.	STATION	OFFSET	ARM	LIGHT STANDARD	POLE BASE	LUMINAIRE	LIGHT DISTRIBUTION
13	B	1104+89.67	21.65' RT	12'	30' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
14	A	1107+02.07	21.91' RT	12'	30' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
15	B	1109+03.08	20.16' RT	12'	30' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II

W = WATT
LED = LIGHT EMITTING DIODE
HPS = HIGH PRESSURE SODIUM



ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	LIGHTING PLAN	LI-06 SECTION
				COUNTY SUSSEX	DESIGNED BY: K. PRICE/R. KUSY		JMT
					CHECKED BY: M. WAHED		SHEET NO. 248

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LIGHTING SERVICE SCHEDULE

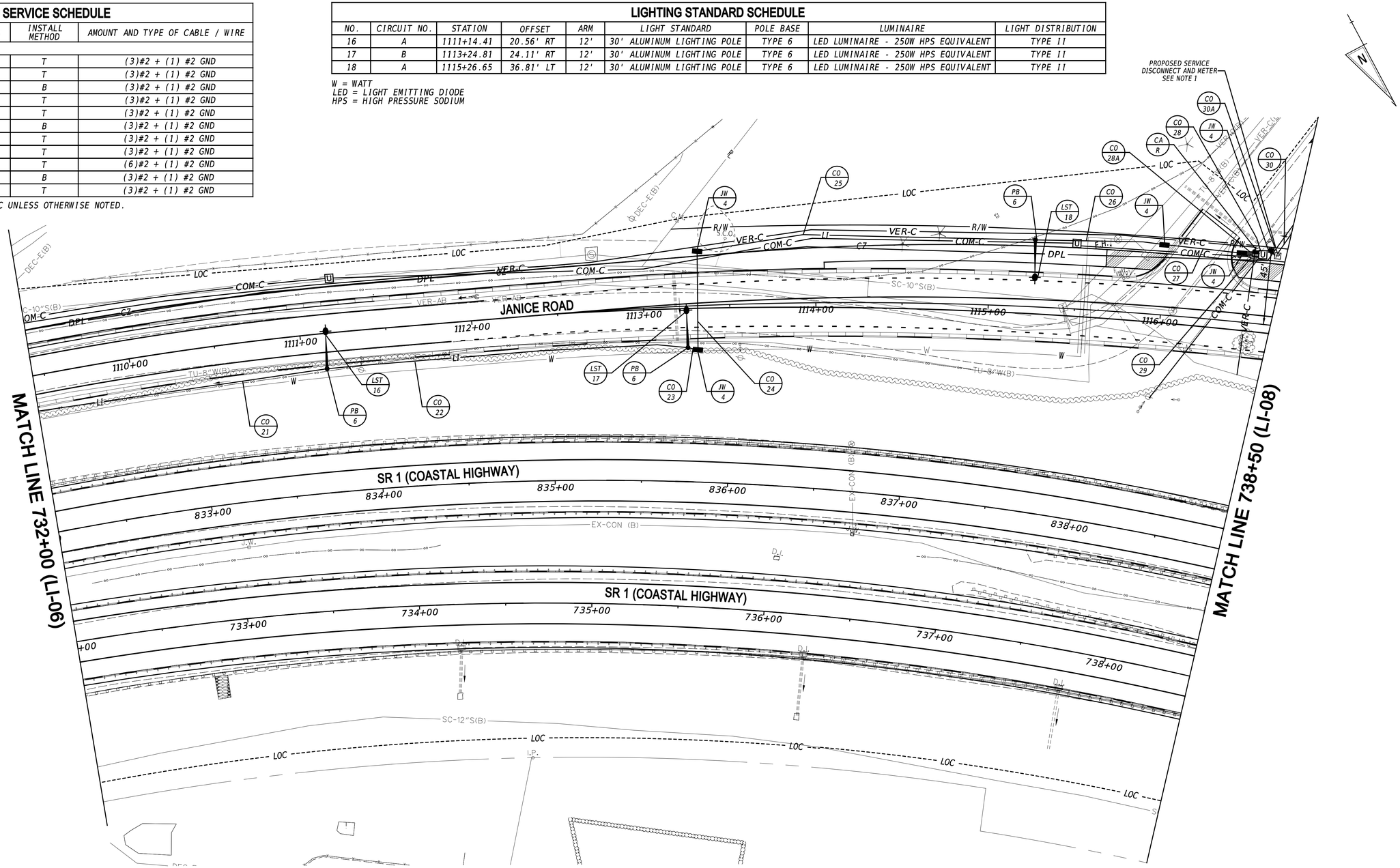
LSR NO.	NO. OF CONDUITS	SIZE/TYPE	LENGTH	INSTALL METHOD	AMOUNT AND TYPE OF CABLE / WIRE
21	INFORMATION SHOWN ON LI-06				
22	1	3"-PVC	210'	T	(3)#2 + (1) #2 GND
23	1	3"-PVC	10'	T	(3)#2 + (1) #2 GND
24	1	4"-HDPE	65'	B	(3)#2 + (1) #2 GND
25	1	3"-PVC	200'	T	(3)#2 + (1) #2 GND
26	1	3"-PVC	80'	T	(3)#2 + (1) #2 GND
27	1	4"-HDPE	45'	B	(3)#2 + (1) #2 GND
28	1	2"-RGS	10'	T	(3)#2 + (1) #2 GND
28A	4	4"-PVC	10'	T	(3)#2 + (1) #2 GND
29	1	3"-PVC	60'	T	(6)#2 + (1) #2 GND
30	1	2"-RGS	145'	B	(3)#2 + (1) #2 GND
30A	1	2"-RGS	5'	T	(3)#2 + (1) #2 GND

ALL CONDUITS SHALL BE SCHEDULE 80 PVC UNLESS OTHERWISE NOTED.
B = BORE, T = TRENCH, O = OPEN CUT

LIGHTING STANDARD SCHEDULE

NO.	CIRCUIT NO.	STATION	OFFSET	ARM	LIGHT STANDARD	POLE BASE	LUMINAIRE	LIGHT DISTRIBUTION
16	A	1111+14.41	20.56' RT	12'	30' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
17	B	1113+24.81	24.11' RT	12'	30' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
18	A	1115+26.65	36.81' LT	12'	30' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II

W = WATT
LED = LIGHT EMITTING DIODE
HPS = HIGH PRESSURE SODIUM

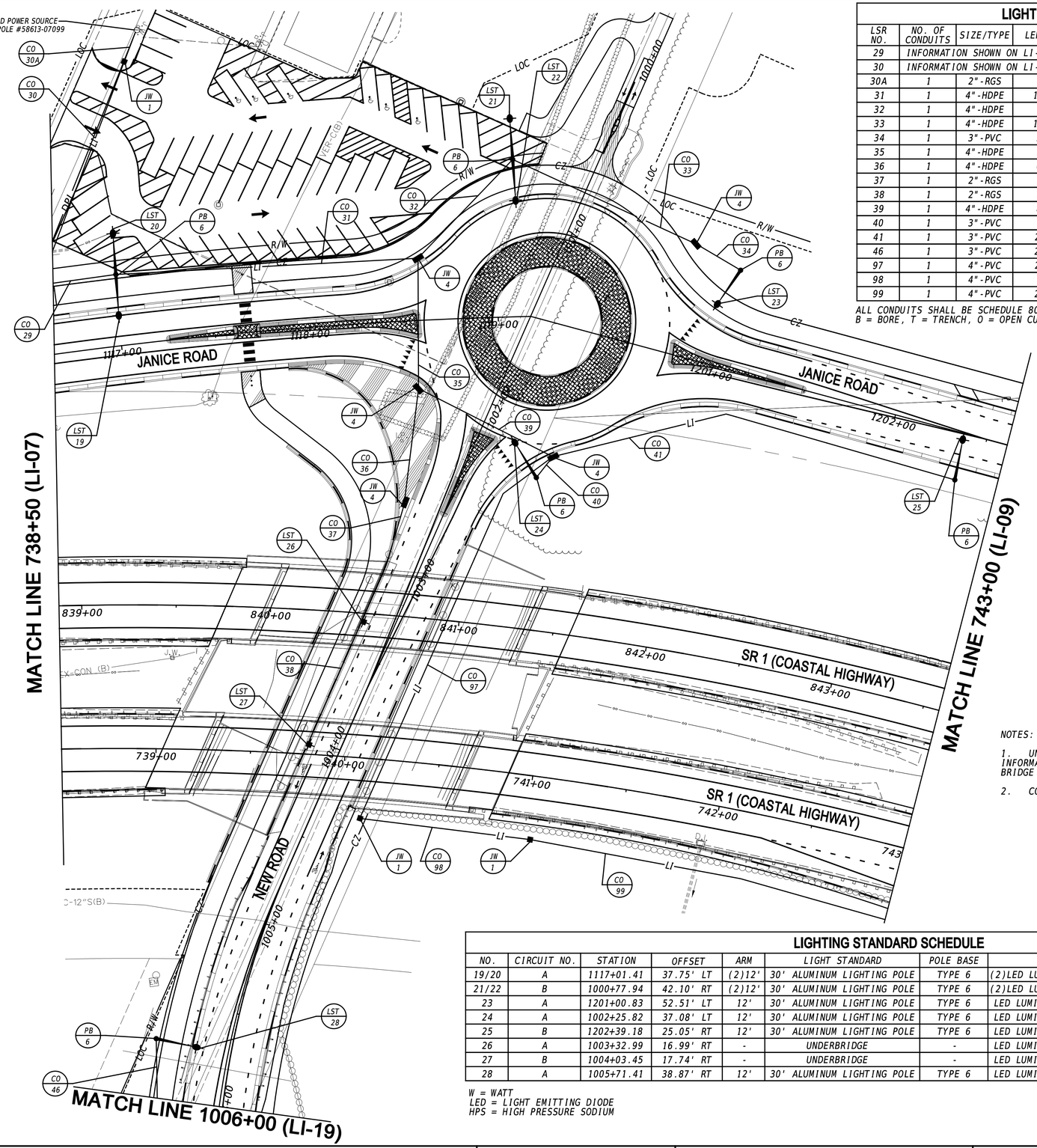


NOTES:

1. USE PROPOSED ELECTRICAL SERVICE ON PEDESTAL WITH 120/240V. SINGLE PHASE, THREE WIRE, 100 AMP SERVICE.

ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	LIGHTING PLAN	LI-07
				COUNTY SUSSEX	DESIGNED BY: K. PRICE/R. KUSY		SECTION JMT
					CHECKED BY: M. WAHED		SHEET NO. 249

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LIGHTING SERVICE SCHEDULE

LSR NO.	NO. OF CONDUITS	SIZE/TYPE	LENGTH	INSTALL METHOD	AMOUNT AND TYPE OF CABLE / WIRE
29	INFORMATION SHOWN ON LI-07				
30	INFORMATION SHOWN ON LI-07				
30A	1	2"-RGS	30'	T	(3)#2 + (1) #2 GND
31	1	4"-HDPE	160'	B	(6)#2 + (1) #2 GND
32	1	4"-HDPE	75'	B	(3)#2 + (1) #2 GND
33	1	4"-HDPE	110'	B	(2)#2 + (1) #2 GND
34	1	3"-PVC	25'	T	(2)#2 + (1) #2 GND
35	1	4"-HDPE	70'	B	(6)#2 + (1) #2 GND
36	1	4"-HDPE	65'	B	(3)#2 + (1) #2 GND
37	1	2"-RGS	70'	ON BRIDGE	(3)#2 + (1) #2 GND
38	1	2"-RGS	70'	ON BRIDGE	(2)#2 + (1) #2 GND
39	1	4"-HDPE	80'	B	(6)#2 + (1) #2 GND
40	1	3"-PVC	15'	T	(2)#2 + (1) #2 GND
41	1	3"-PVC	220'	T	(2)#2 + (1) #2 GND
46	1	3"-PVC	260'	T	(2)#2 + (1) #2 GND
97	1	4"-PVC	220'	T	(3)#2 + (1) #2 GND
98	1	4"-PVC	90'	T	(3)#2 + (1) #2 GND
99	1	4"-PVC	250'	T	(3)#2 + (1) #2 GND

ALL CONDUITS SHALL BE SCHEDULE 80 PVC UNLESS OTHERWISE NOTED.
B = BORE, T = TRENCH, O = OPEN CUT

NOTES:

1. UNDERPASS LIGHTING ARE WALLPACK LUMINAIRES. SEE LIGHTING DETAIL FOR ADDITIONAL INFORMATION ON THE UNDERBRIDGE LIGHTING SYSTEM AND THE CONDUIT TRANSITION ONTO THE BRIDGE STRUCTURE.

2. COORDINATE WITH DELDOT BRIDGE GROUP PRIOR TO INSTALLING CONDUIT ON STRUCTURE.

LIGHTING STANDARD SCHEDULE

NO.	CIRCUIT NO.	STATION	OFFSET	ARM	LIGHT STANDARD	POLE BASE	LUMINAIRE	LIGHT DISTRIBUTION
19/20	A	1117+01.41	37.75' LT	(2)12'	30' ALUMINUM LIGHTING POLE	TYPE 6	(2)LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
21/22	B	1000+77.94	42.10' RT	(2)12'	30' ALUMINUM LIGHTING POLE	TYPE 6	(2)LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
23	A	1201+00.83	52.51' LT	12'	30' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
24	A	1002+25.82	37.08' LT	12'	30' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
25	B	1202+39.18	25.05' RT	12'	30' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
26	A	1003+32.99	16.99' RT	-	UNDERBRIDGE	-	LED LUMINAIRE - 150W HPS EQUIVALENT	-
27	B	1004+03.45	17.74' RT	-	UNDERBRIDGE	-	LED LUMINAIRE - 150W HPS EQUIVALENT	-
28	A	1005+71.41	38.87' RT	12'	30' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II

W = WATT
LED = LIGHT EMITTING DIODE
HPS = HIGH PRESSURE SODIUM

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

SR 1, MINOS CONWAY GRADE SEPARATED INTERSECTION

CONTRACT	T201612501
COUNTY	SUSSEX
BRIDGE NO.	X
DESIGNED BY:	K. PRICE/R. KUSY
CHECKED BY:	M. WAHED

LIGHTING PLAN

LI-08	
SECTION	JMT
SHEET NO.	250

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LIGHTING SERVICE SCHEDULE

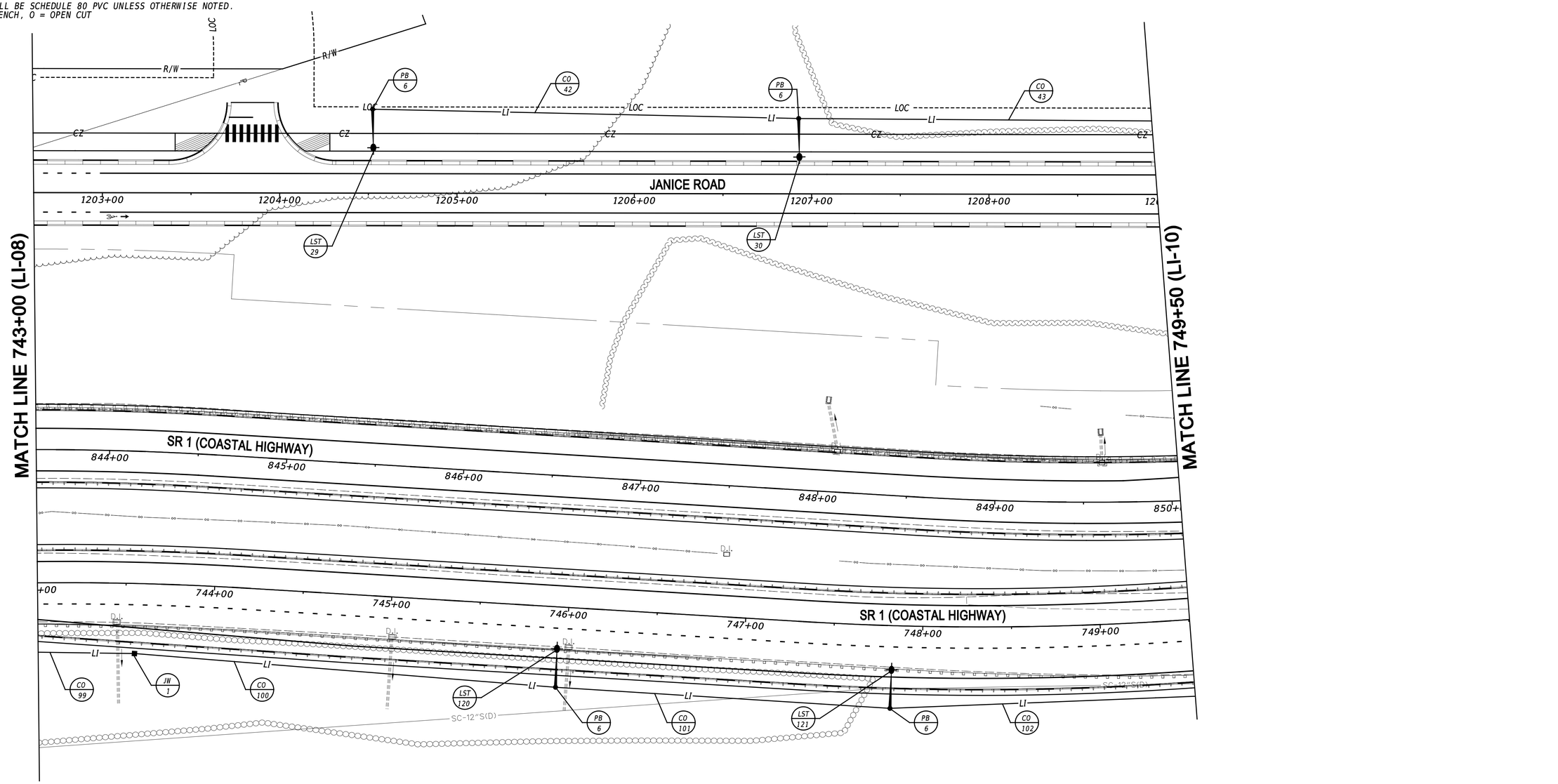
LSR NO.	NO. OF CONDUITS	SIZE/TYPE	LENGTH	INSTALL METHOD	AMOUNT AND TYPE OF CABLE / WIRE
42	1	3"-PVC	245'	T	(2)#6 + (1) #6 GND
43	1	3"-PVC	240'	T	(3)#6 + (1) #6 GND
99	INFORMATION SHOWN ON LI-08				
100	1	3"-PVC	240'	T	(3)#2 + (1) #2 GND
101	1	3"-PVC	190'	T	(3)#2 + (1) #2 GND
102	1	3"-PVC	200'	T	(3)#2 + (1) #2 GND

ALL CONDUITS SHALL BE SCHEDULE 80 PVC UNLESS OTHERWISE NOTED.
B = BORE, T = TRENCH, O = OPEN CUT

LIGHTING STANDARD SCHEDULE

NO.	CIRCUIT NO.	STATION	OFFSET	ARM	LIGHT STANDARD	POLE BASE	LUMINAIRE	LIGHT DISTRIBUTION
29	B	1204+52.39	47.36' LT	12'	30' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
30	A	1206+93.01	42.51' LT	12'	30' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
120	B	745+94.30	45.34' RT	12'	30' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
121	A	747+82.95	46.96' RT	12'	30' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II

W = WATT
LED = LIGHT EMITTING DIODE
HPS = HIGH PRESSURE SODIUM



NOTES:

1. PROVIDE AT LEAST 2' CLEARANCE BETWEEN DRAINAGE STRUCTURES AND LIGHTING CONDUIT.

ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	LIGHTING PLAN	LI-09
				COUNTY SUSSEX	DESIGNED BY: K. PRICE/R. KUSY		SECTION JMT
					CHECKED BY: M. WAHED		SHEET NO. 251

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LIGHTING SERVICE SCHEDULE

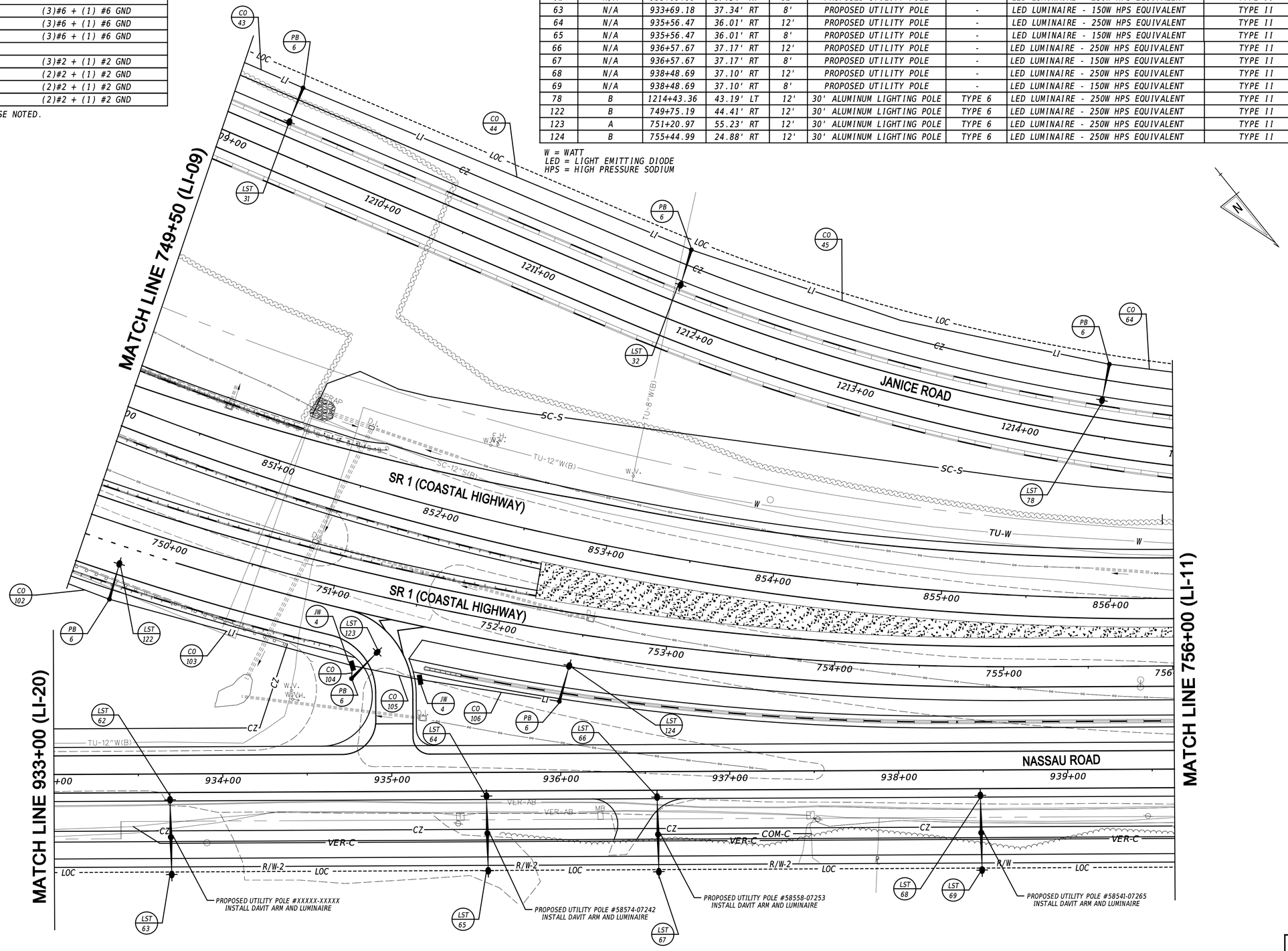
LSR NO.	NO. OF CONDUITS	SIZE/TYPE	LENGTH	INSTALL METHOD	AMOUNT AND TYPE OF CABLE / WIRE
43	INFORMATION SHOWN ON LI-09				
44	1	3"-PVC	250'	T	(3)#6 + (1) #6 GND
45	1	3"-PVC	260'	T	(3)#6 + (1) #6 GND
64	1	3"-PVC	230'	T	(3)#6 + (1) #6 GND
102	INFORMATION SHOWN ON LI-09				
103	1	3"-PVC	145'	T	(3)#2 + (1) #2 GND
104	1	3"-PVC	10'	T	(2)#2 + (1) #2 GND
105	1	4"-HDPE	50'	B	(2)#2 + (1) #2 GND
106	1	3"-PVC	90'	T	(2)#2 + (1) #2 GND

ALL CONDUITS SHALL BE SCHEDULE 80 PVC UNLESS OTHERWISE NOTED.
B = BORE, T = TRENCH, O = OPEN CUT

LIGHTING STANDARD SCHEDULE

NO.	CIRCUIT NO.	STATION	OFFSET	ARM	LIGHT STANDARD	POLE BASE	LUMINAIRE	LIGHT DISTRIBUTION
31	B	1209+29.49	41.25' LT	12'	30' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
32	A	1211+78.91	42.92' LT	12'	30' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
62	N/A	933+69.18	37.34' RT	12'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
63	N/A	933+69.18	37.34' RT	8'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 150W HPS EQUIVALENT	TYPE II
64	N/A	935+56.47	36.01' RT	12'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
65	N/A	935+56.47	36.01' RT	8'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 150W HPS EQUIVALENT	TYPE II
66	N/A	936+57.67	37.17' RT	12'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
67	N/A	936+57.67	37.17' RT	8'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 150W HPS EQUIVALENT	TYPE II
68	N/A	938+48.69	37.10' RT	12'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
69	N/A	938+48.69	37.10' RT	8'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 150W HPS EQUIVALENT	TYPE II
78	B	1214+43.36	43.19' LT	12'	30' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
122	B	749+75.19	44.41' RT	12'	30' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
123	A	751+20.97	55.23' RT	12'	30' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
124	B	755+44.99	24.88' RT	12'	30' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II

W = WATT
LED = LIGHT EMITTING DIODE
HPS = HIGH PRESSURE SODIUM



ADDENDA / REVISIONS	SCALE	SR 1, MINOS CONWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO. X	LIGHTING PLAN	LI-10
	0 30 60 90 FEET		T201612501	DESIGNED BY: K. PRICE/R. KUSY		SECTION JMT
			COUNTY SUSSEX	CHECKED BY: M. WAHED		SHEET NO. 252

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LIGHTING SERVICE SCHEDULE

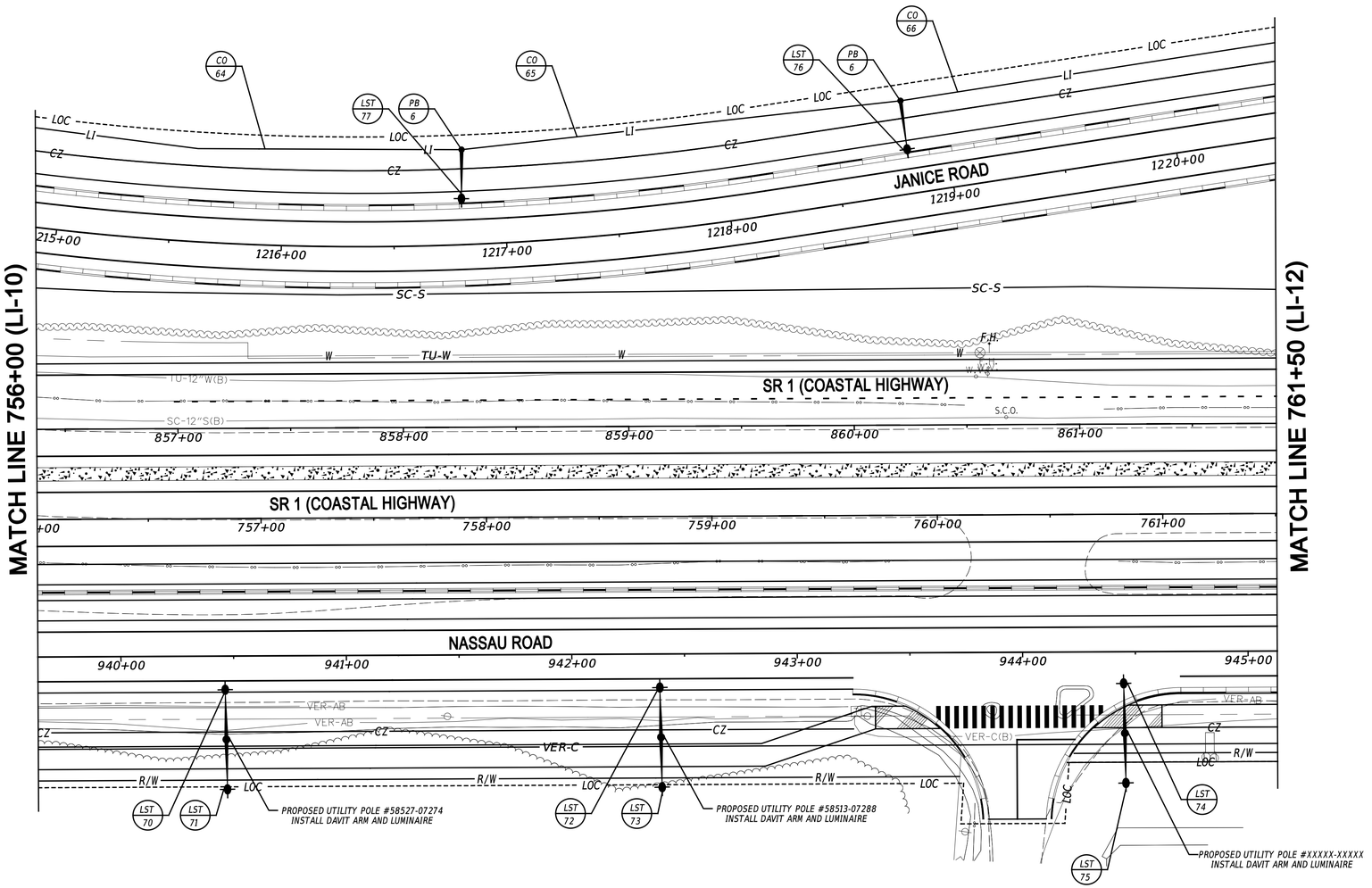
LSR NO.	NO. OF CONDUITS	SIZE/TYPE	LENGTH	INSTALL METHOD	AMOUNT AND TYPE OF CABLE / WIRE
64	INFORMATION SHOWN ON LI-10				
65	1	3"-PVC	200'	T	(3)#6 + (1) #6 GND
66	1	3"-PVC	245'	T	(3)#6 + (1) #6 GND

ALL CONDUITS SHALL BE SCHEDULE 80 PVC UNLESS OTHERWISE NOTED.
B = BORE, T = TRENCH, O = OPEN CUT

LIGHTING STANDARD SCHEDULE

NO.	CIRCUIT NO.	STATION	OFFSET	ARM	LIGHT STANDARD	POLE BASE	LUMINAIRE	LIGHT DISTRIBUTION
70	N/A	940+46.49	36.96' RT	12'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
71	N/A	940+46.49	36.96' RT	8'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 150W HPS EQUIVALENT	TYPE II
72	N/A	942+39.58	36.85' RT	12'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
73	N/A	942+39.58	36.85' RT	8'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 150W HPS EQUIVALENT	TYPE II
74	N/A	944+33.33	36.94' RT	12'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
75	N/A	944+33.33	36.94' RT	8'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 150W HPS EQUIVALENT	TYPE II
76	B	1218+80.23	42.15' LT	12'	30' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
77	A	1216+81.15	41.47' LT	12'	30' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II

W = WATT
LED = LIGHT EMITTING DIODE
HPS = HIGH PRESSURE SODIUM



ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

SR 1, MINOS CONWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: K. PRICE/R. KUSY	
COUNTY	CHECKED BY: M. WAHED	
SUSSEX		

LIGHTING PLAN

LI-11
SECTION
JMT
SHEET NO.
253

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LIGHTING STANDARD SCHEDULE

NO.	CIRCUIT NO.	STATION	OFFSET	ARM	LIGHT STANDARD	POLE BASE	LUMINAIRE	LIGHT DISTRIBUTION
79	N/A	945+87.32	35.63' RT	12'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
80	N/A	945+87.32	35.63' RT	8'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 150W HPS EQUIVALENT	TYPE II
81	N/A	947+66.49	36.67' RT	12'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
82	N/A	947+66.49	36.67' RT	8'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 150W HPS EQUIVALENT	TYPE II
83	N/A	949+85.10	36.54' RT	12'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
84	N/A	949+85.10	36.54' RT	8'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 150W HPS EQUIVALENT	TYPE II
87	B	866+03.12	42.58' LT	12'	30' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
88	A	863+96.25	36.10' LT	12'	30' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
89	A	1221+23.47	41.99' LT	12'	30' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
90	B	1223+41.66	47.39' LT	12'	30' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
91	A	1301+60.54	41.73' RT	12'	30' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
92	B	1302+70.66	40.88' LT	12'	30' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
93	A	1401+00.64	27.42' RT	12'	30' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
94	A	1223+77.86	67.36' RT	12'	30' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II

W = WATT
LED = LIGHT EMITTING DIODE
HPS = HIGH PRESSURE SODIUM

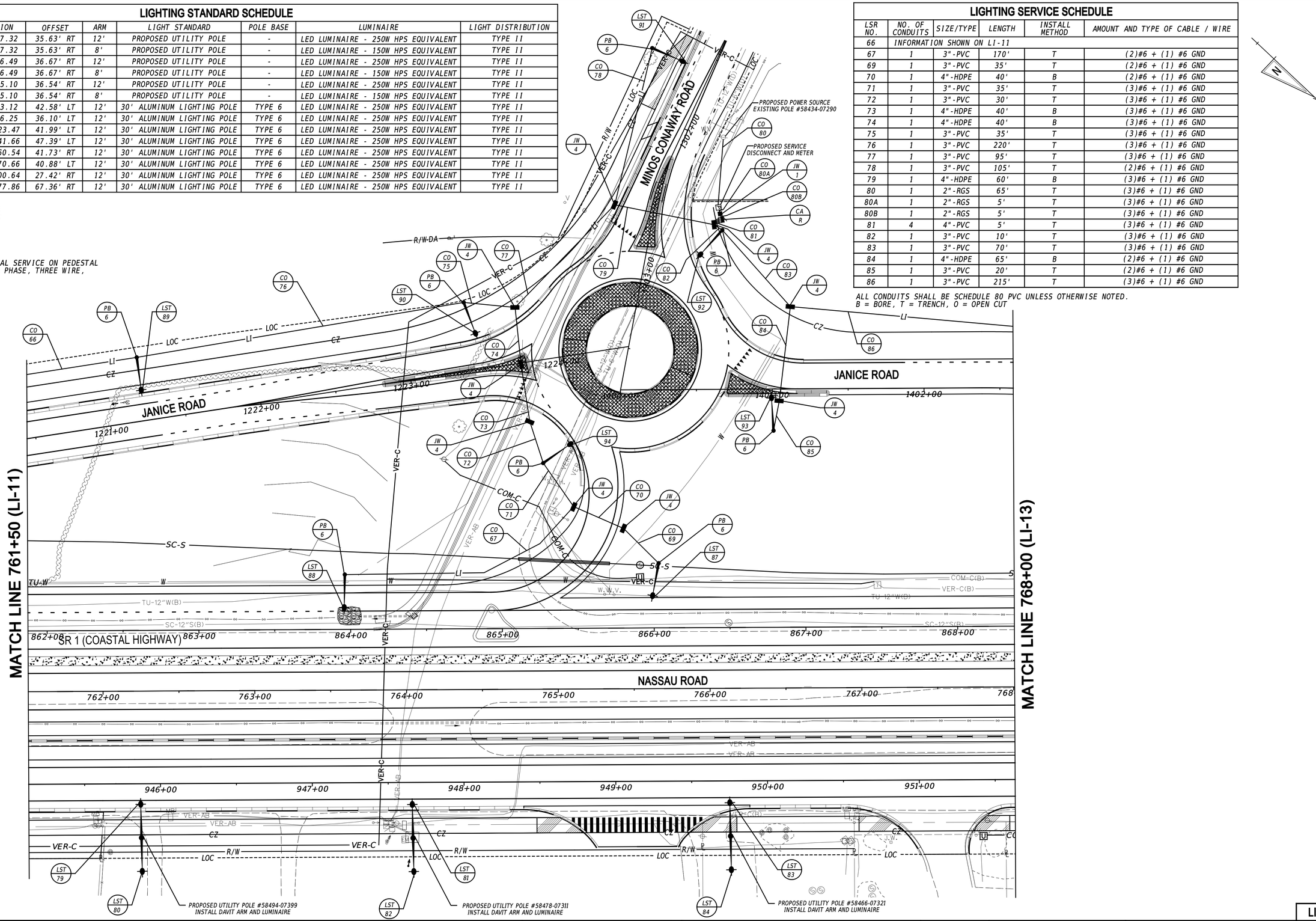
NOTES:

1. USE PROPOSED ELECTRICAL SERVICE ON PEDESTAL WITH 120/240V, SINGLE PHASE, THREE WIRE, 100 AMP SERVICE.

LIGHTING SERVICE SCHEDULE

LSR NO.	NO. OF CONDUITS	SIZE/TYPE	LENGTH	INSTALL METHOD	AMOUNT AND TYPE OF CABLE / WIRE
66	INFORMATION SHOWN ON LI-11				
67	1	3"-PVC	170'	T	(2)#6 + (1) #6 GND
69	1	3"-PVC	35'	T	(2)#6 + (1) #6 GND
70	1	4"-HDPE	40'	B	(2)#6 + (1) #6 GND
71	1	3"-PVC	35'	T	(3)#6 + (1) #6 GND
72	1	3"-PVC	30'	T	(3)#6 + (1) #6 GND
73	1	4"-HDPE	40'	B	(3)#6 + (1) #6 GND
74	1	4"-HDPE	40'	B	(3)#6 + (1) #6 GND
75	1	3"-PVC	35'	T	(3)#6 + (1) #6 GND
76	1	3"-PVC	220'	T	(3)#6 + (1) #6 GND
77	1	3"-PVC	95'	T	(3)#6 + (1) #6 GND
78	1	3"-PVC	105'	T	(2)#6 + (1) #6 GND
79	1	4"-HDPE	60'	B	(3)#6 + (1) #6 GND
80	1	2"-RGS	65'	T	(3)#6 + (1) #6 GND
80A	1	2"-RGS	5'	T	(3)#6 + (1) #6 GND
80B	1	2"-RGS	5'	T	(3)#6 + (1) #6 GND
81	4	4"-PVC	5'	T	(3)#6 + (1) #6 GND
82	1	3"-PVC	10'	T	(3)#6 + (1) #6 GND
83	1	3"-PVC	70'	T	(3)#6 + (1) #6 GND
84	1	4"-HDPE	65'	B	(2)#6 + (1) #6 GND
85	1	3"-PVC	20'	T	(2)#6 + (1) #6 GND
86	1	3"-PVC	215'	T	(3)#6 + (1) #6 GND

ALL CONDUITS SHALL BE SCHEDULE 80 PVC UNLESS OTHERWISE NOTED.
B = BORE, T = TRENCH, O = OPEN CUT



ADDENDA / REVISIONS	SCALE	CONTRACT	BRIDGE NO. X	LIGHTING PLAN	LI-12
	0 30 60 90 FEET	T201612501	DESIGNED BY: K. PRICE/R. KUSY		SECTION JMT
	SR 1, MINOS CONWAY GRADE SEPARATED INTERSECTION	COUNTY SUSSEX	CHECKED BY: M. WAHED		SHEET NO. 254

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LIGHTING SERVICE SCHEDULE

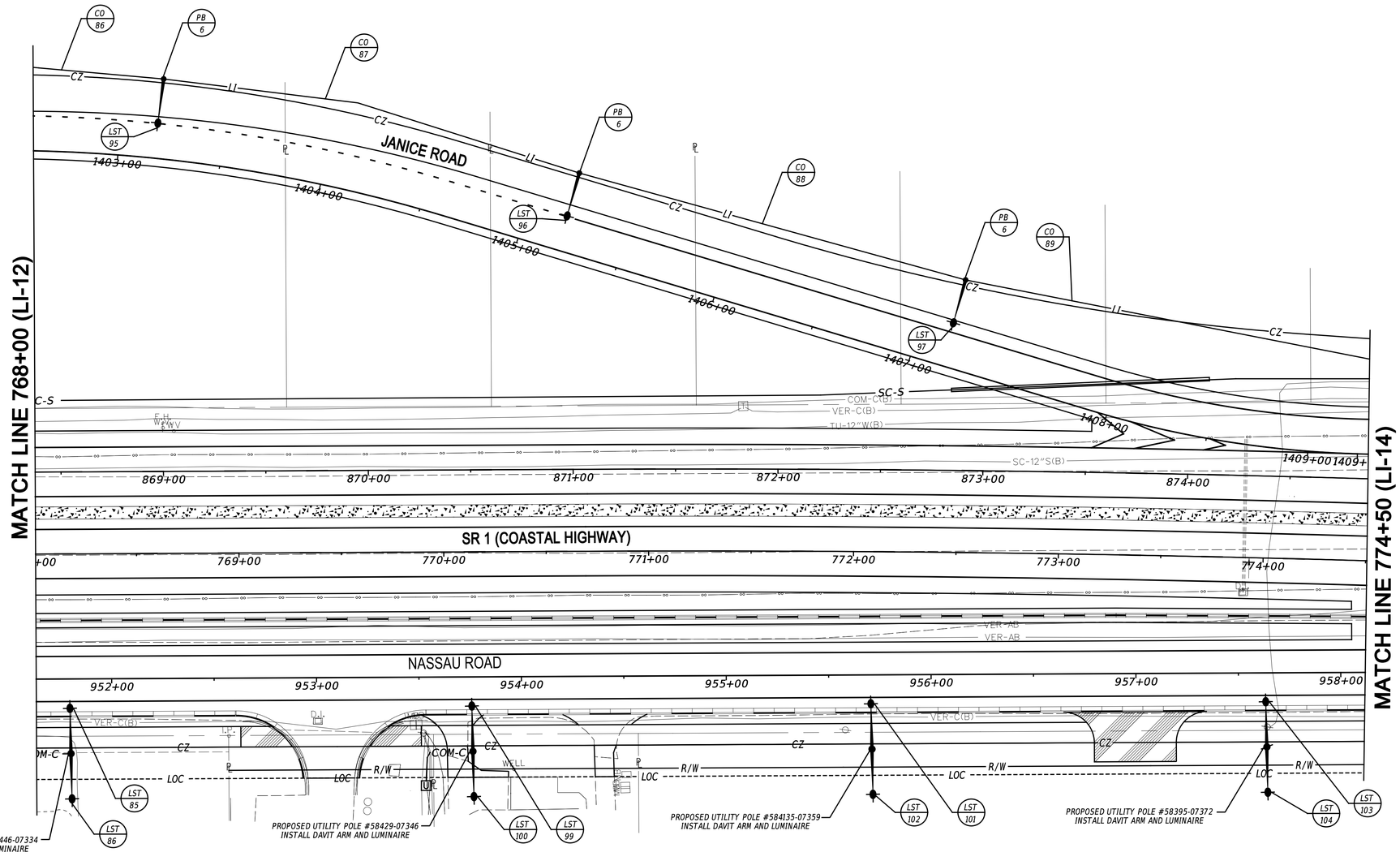
LSR NO.	NO. OF CONDUITS	SIZE/TYPE	LENGTH	INSTALL METHOD	AMOUNT AND TYPE OF CABLE / WIRE
86	INFORMATION SHOWN ON LI-12				
87	1	3"-PVC	215'	T	(3)#6 + (1) #6 GND
88	1	3"-PVC	195'	T	(3)#6 + (1) #6 GND
89	1	3"-PVC	245'	T	(3)#6 + (1) #6 GND

ALL CONDUITS SHALL BE SCHEDULE 80 PVC UNLESS OTHERWISE NOTED.
B = BORE, T = TRENCH, O = OPEN CUT

LIGHTING STANDARD SCHEDULE

NO.	CIRCUIT NO.	STATION	OFFSET	ARM	LIGHT STANDARD	POLE BASE	LUMINAIRE	LIGHT DISTRIBUTION
85	N/A	951+80.13	36.41' RT	12'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
86	N/A	951+80.13	36.41' RT	8'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 150W HPS EQUIVALENT	TYPE II
95	B	1403+18.61	38.92' LT	12'	30' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
96	A	1405+20.11	39.08' LT	12'	30' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
97	B	1407+15.37	43.40' LT	12'	30' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE III
99	N/A	953+76.27	36.31' RT	12'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
100	N/A	953+76.27	36.31' RT	8'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 150W HPS EQUIVALENT	TYPE II
101	N/A	955+71.23	36.18' RT	12'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
102	N/A	955+71.23	36.18' RT	8'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 150W HPS EQUIVALENT	TYPE II
103	N/A	957+64.02	36.07' RT	12'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
104	N/A	957+64.02	36.07' RT	8'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 150W HPS EQUIVALENT	TYPE II

W = WATT
LED = LIGHT EMITTING DIODE
HPS = HIGH PRESSURE SODIUM



ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

SR 1, MINOS CONWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: K. PRICE/R. KUSY	
COUNTY	CHECKED BY: M. WAHED	
SUSSEX		

LIGHTING PLAN

LI-13
SECTION
JMT
SHEET NO.
255

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LIGHTING SERVICE SCHEDULE

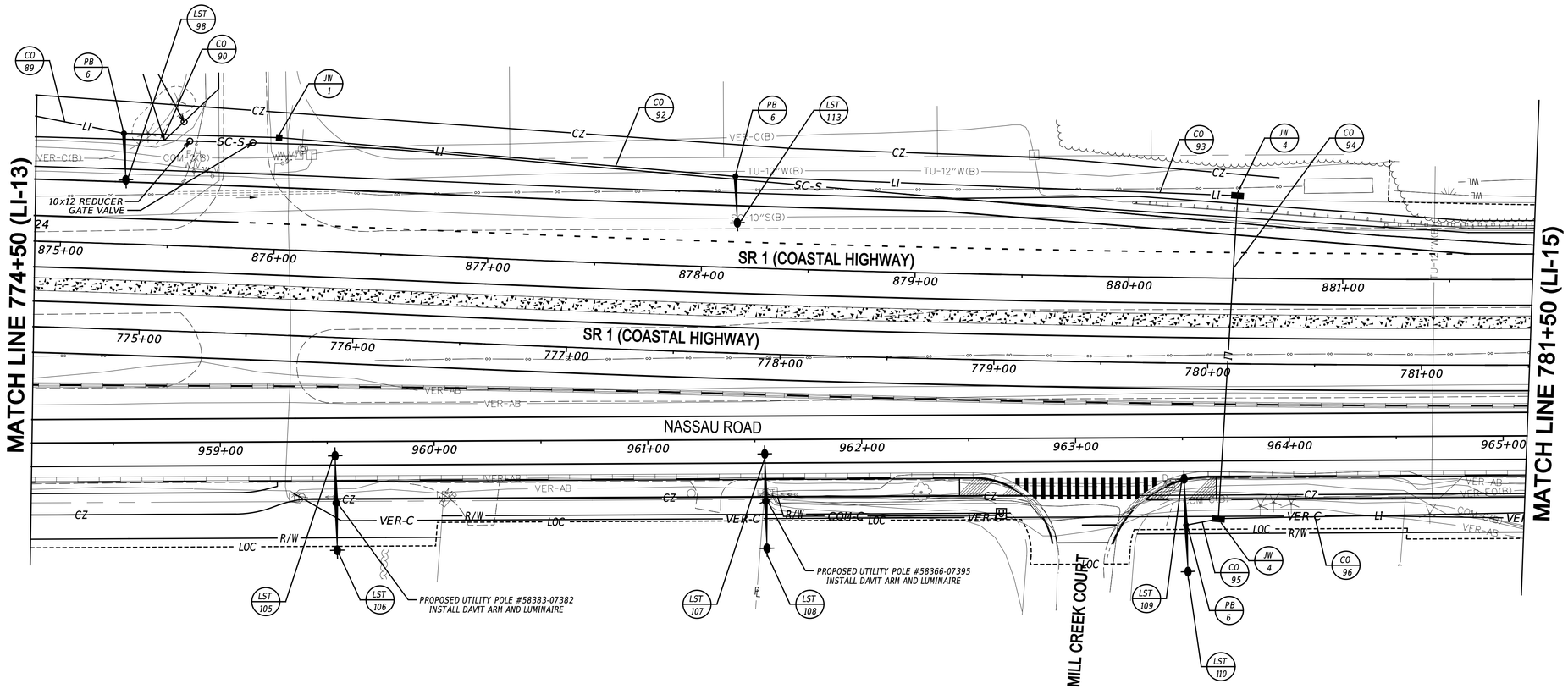
LSR NO.	NO. OF CONDUITS	SIZE/TYPE	LENGTH	INSTALL METHOD	AMOUNT AND TYPE OF CABLE / WIRE
89	INFORMATION SHOWN ON LI-13				
90	1	3"-PVC	75'	T	(3)#6 + (1) #6 GND
92	1	3"-PVC	215'	T	(3)#6 + (1) #6 GND
93	1	3"-PVC	235'	T	(3)#6 + (1) #6 GND
94	1	4"-HDPE	155'	B	(3)#6 + (1) #6 GND
95	1	3"-PVC	20'	T	(2)#6 + (1) #6 GND
96	1	3"-PVC	165'	T	(2)#6 + (1) #6 GND

ALL CONDUITS SHALL BE SCHEDULE 80 PVC UNLESS OTHERWISE NOTED.
B = BORE, T = TRENCH, O = OPEN CUT

LIGHTING STANDARD SCHEDULE

NO.	CIRCUIT NO.	STATION	OFFSET	ARM	LIGHT STANDARD	POLE BASE	LUMINAIRE	LIGHT DISTRIBUTION
98	A	875+28.18	51.67' LT	12'	30' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
105	N/A	959+38.64	28.78' RT	12'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
106	N/A	959+38.64	28.78' RT	8'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 150W HPS EQUIVALENT	TYPE II
107	N/A	961+55.07	35.86' RT	12'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
108	N/A	961+55.07	35.86' RT	8'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 150W HPS EQUIVALENT	TYPE II
109/110	A	963+51.46	41.05' RT	(2)12'	30' ALUMINUM LIGHTING POLE	TYPE 6	(2)LED LUMINAIRE - 150W HPS EQUIVALENT	TYPE II
113	B	878+14.59	42.62' LT	12'	30' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 150W HPS EQUIVALENT	TYPE II

W = WATT
LED = LIGHT EMITTING DIODE
HPS = HIGH PRESSURE SODIUM



ADDENDA / REVISIONS	SCALE 0 30 60 90 FEET	SR 1, MINOS CONWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	LIGHTING PLAN	LI-14
			COUNTY SUSSEX	DESIGNED BY: K. PRICE/R. KUSY		SECTION JMT
				CHECKED BY: M. WAHED		SHEET NO. 256

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LIGHTING STANDARD SCHEDULE

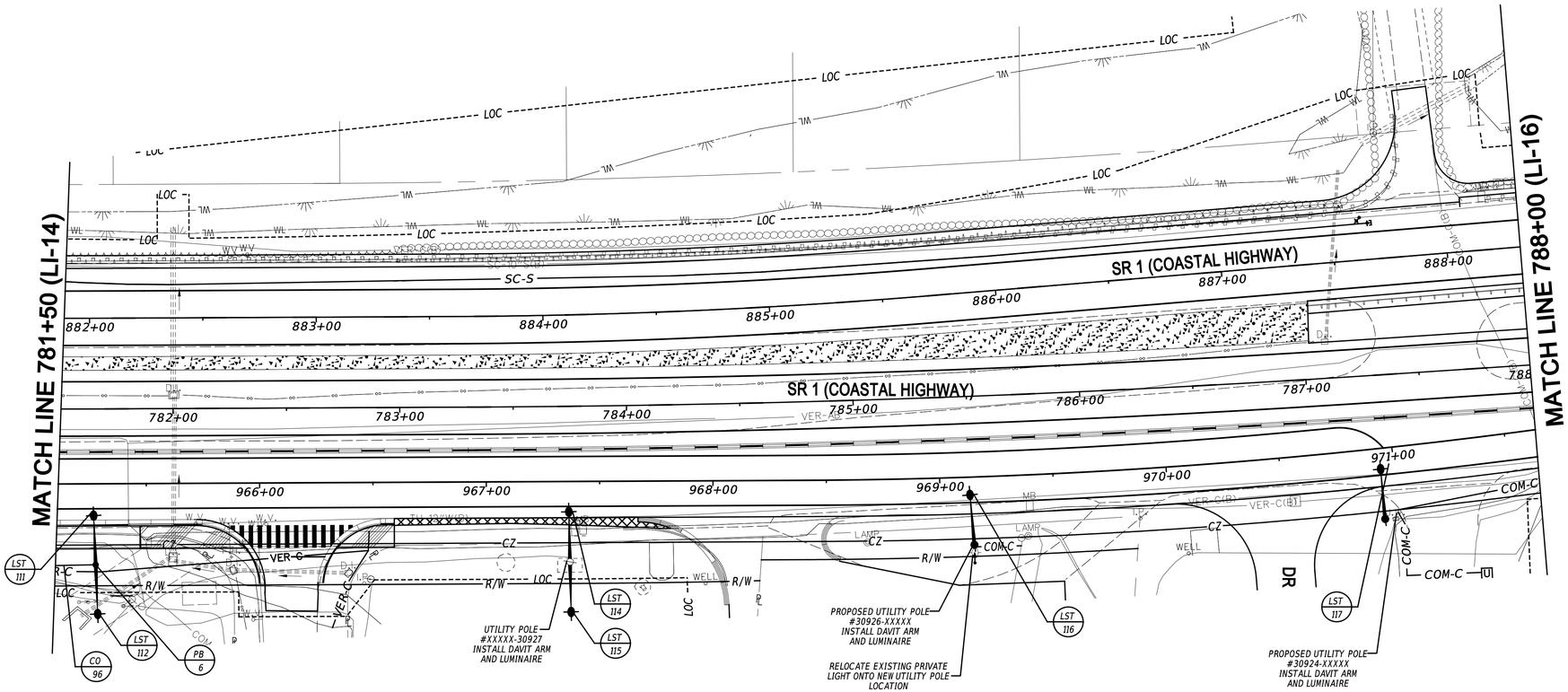
NO.	CIRCUIT NO.	STATION	OFFSET	ARM	LIGHT STANDARD	POLE BASE	LUMINAIRE	LIGHT DISTRIBUTION
111/112	B	965+27.21	35.75' RT	(2)12'	30' ALUMINUM LIGHTING POLE	TYPE 6	(2)LED LUMINAIRE - 150W HPS EQUIVALENT	TYPE II
114/115	N/A	967+38.38	36.65' RT	(2)12'	EXISTING UTILITY POLE	-	(2)LED LUMINAIRE - 150W HPS EQUIVALENT	TYPE II
116	N/A	969+13.43	32.64' RT	12'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE III
117	N/A	970+98.94	30.44' RT	12'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE III

W = WATT
LED = LIGHT EMITTING DIODE
HPS = HIGH PRESSURE SODIUM

LIGHTING SERVICE SCHEDULE

LSR NO.	NO. OF CONDUITS	SIZE/TYPE	LENGTH	INSTALL METHOD	AMOUNT AND TYPE OF CABLE / WIRE
96	INFORMATION SHOWN ON LI-14				

ALL CONDUITS SHALL BE SCHEDULE 80 PVC UNLESS OTHERWISE NOTED.
B = BORE, T = TRENCH, O = OPEN CUT



ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

SR 1, MINOS CONWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: K. PRICE/R. KUSY	
COUNTY		
SUSSEX	CHECKED BY: M. WAHED	

LIGHTING PLAN

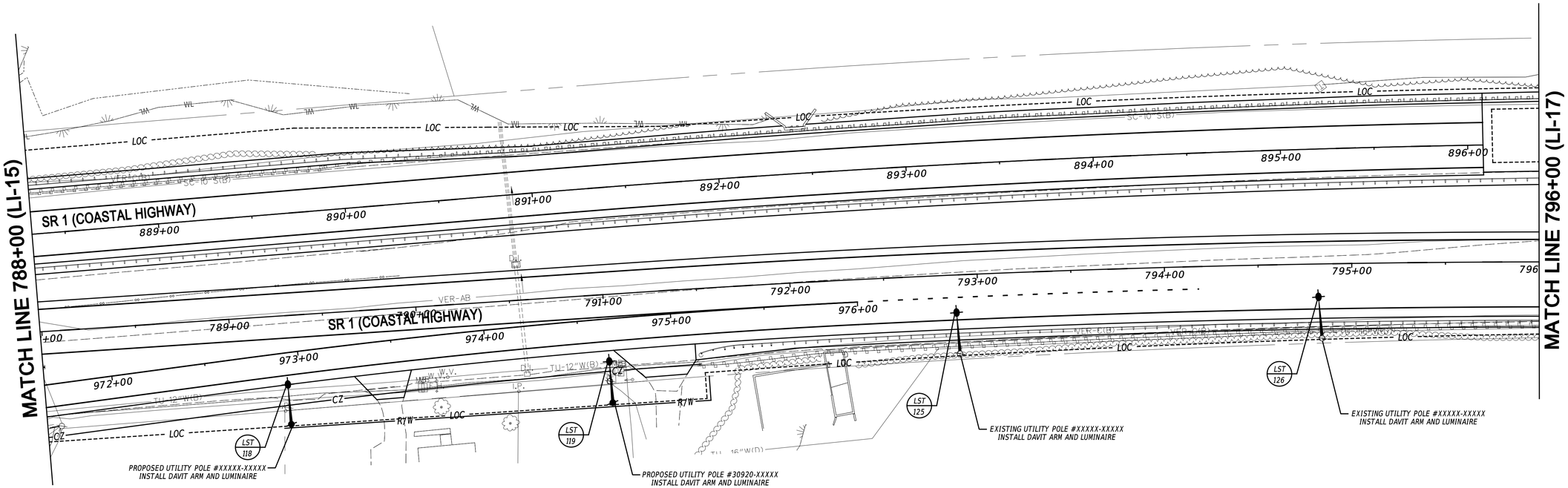
LI-15
SECTION
JMT
SHEET NO.
257

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LIGHTING STANDARD SCHEDULE

NO.	CIRCUIT NO.	STATION	OFFSET	ARM	LIGHT STANDARD	POLE BASE	LUMINAIRE	LIGHT DISTRIBUTION
118	N/A	972+93.85	34.38' RT	12'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE III
119	N/A	791+01.54	45.88' RT	12'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE III
125	N/A	792+87.00	42.69' RT	12'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE III
126	N/A	794+83.58	39.73' RT	12'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE III

W = WATT
LED = LIGHT EMITTING DIODE
HPS = HIGH PRESSURE SODIUM



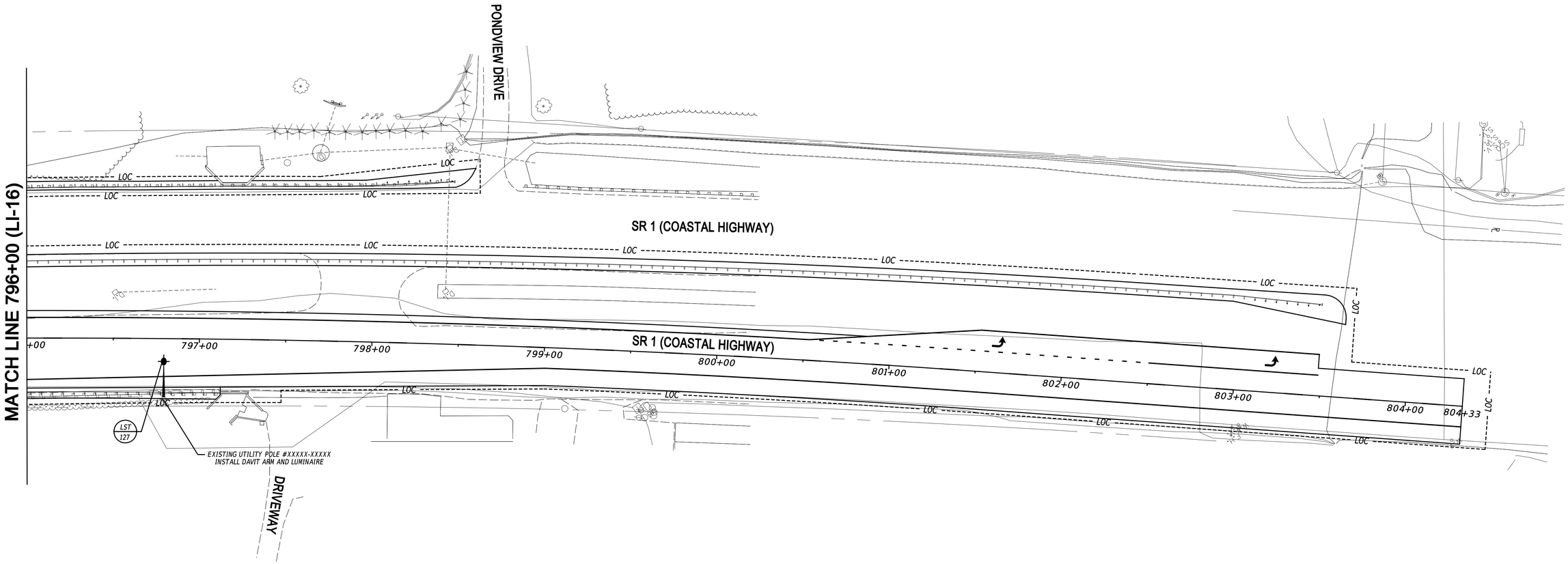
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				COUNTY SUSSEX	DESIGNED BY: K. PRICE/R. KUSY		SECTION JMT
					CHECKED BY: M. WAHED		SHEET NO. 258

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LIGHTING STANDARD SCHEDULE

NO.	CIRCUIT NO.	STATION	OFFSET	ARM	LIGHT STANDARD	POLE BASE	LUMINAIRE	LIGHT DISTRIBUTION
127	N/A	796+79.54	35.92' RT	12'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE III

W = WATT
LED = LIGHT EMITTING DIODE
HPS = HIGH PRESSURE SODIUM



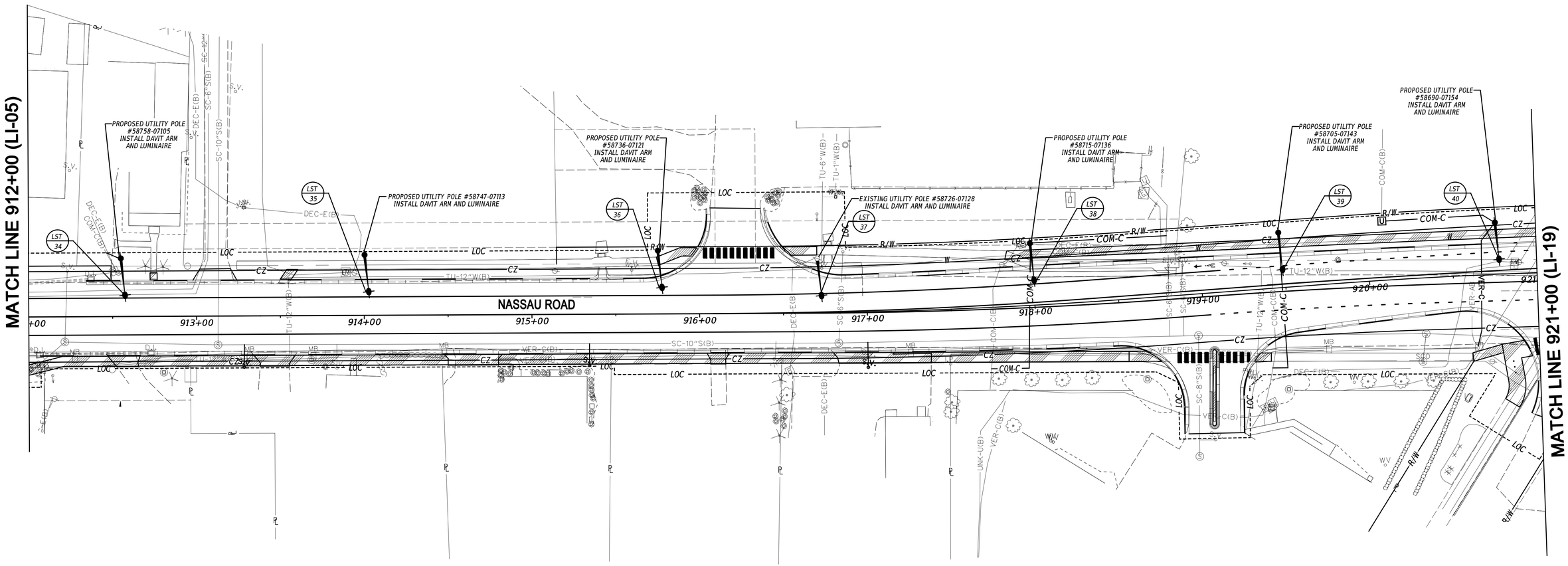
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				COUNTY SUSSEX	DESIGNED BY: K. PRICE/R. KUSY		SHEET NO. 259
					CHECKED BY: M. WAHED		

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LIGHTING STANDARD SCHEDULE

NO.	CIRCUIT NO.	STATION	OFFSET	ARM	LIGHT STANDARD	POLE BASE	LUMINAIRE	LIGHT DISTRIBUTION
34	N/A	912+54.73	34.73' LT	12'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 400W HPS EQUIVALENT	TYPE IV
35	N/A	914+00.58	36.04' LT	12'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 400W HPS EQUIVALENT	TYPE IV
36	N/A	915+75.05	37.86' LT	12'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 400W HPS EQUIVALENT	TYPE IV
37	N/A	916+70.63	38.20' LT	12'	EXISTING UTILITY POLE	-	LED LUMINAIRE - 400W HPS EQUIVALENT	TYPE IV
38	N/A	917+98.76	36.97' LT	12'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 400W HPS EQUIVALENT	TYPE IV
39	N/A	919+47.88	32.85' LT	12'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 400W HPS EQUIVALENT	TYPE IV
40	N/A	920+75.89	31.09' LT	12'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 400W HPS EQUIVALENT	TYPE IV

W = WATT
LED = LIGHT EMITTING DIODE
HPS = HIGH PRESSURE SODIUM



ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	LIGHTING PLAN	LI-18
				COUNTY SUSSEX	DESIGNED BY: K. PRICE/R. KUSY		SECTION JMT
					CHECKED BY: M. WAHED		SHEET NO. 260

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LIGHTING STANDARD SCHEDULE

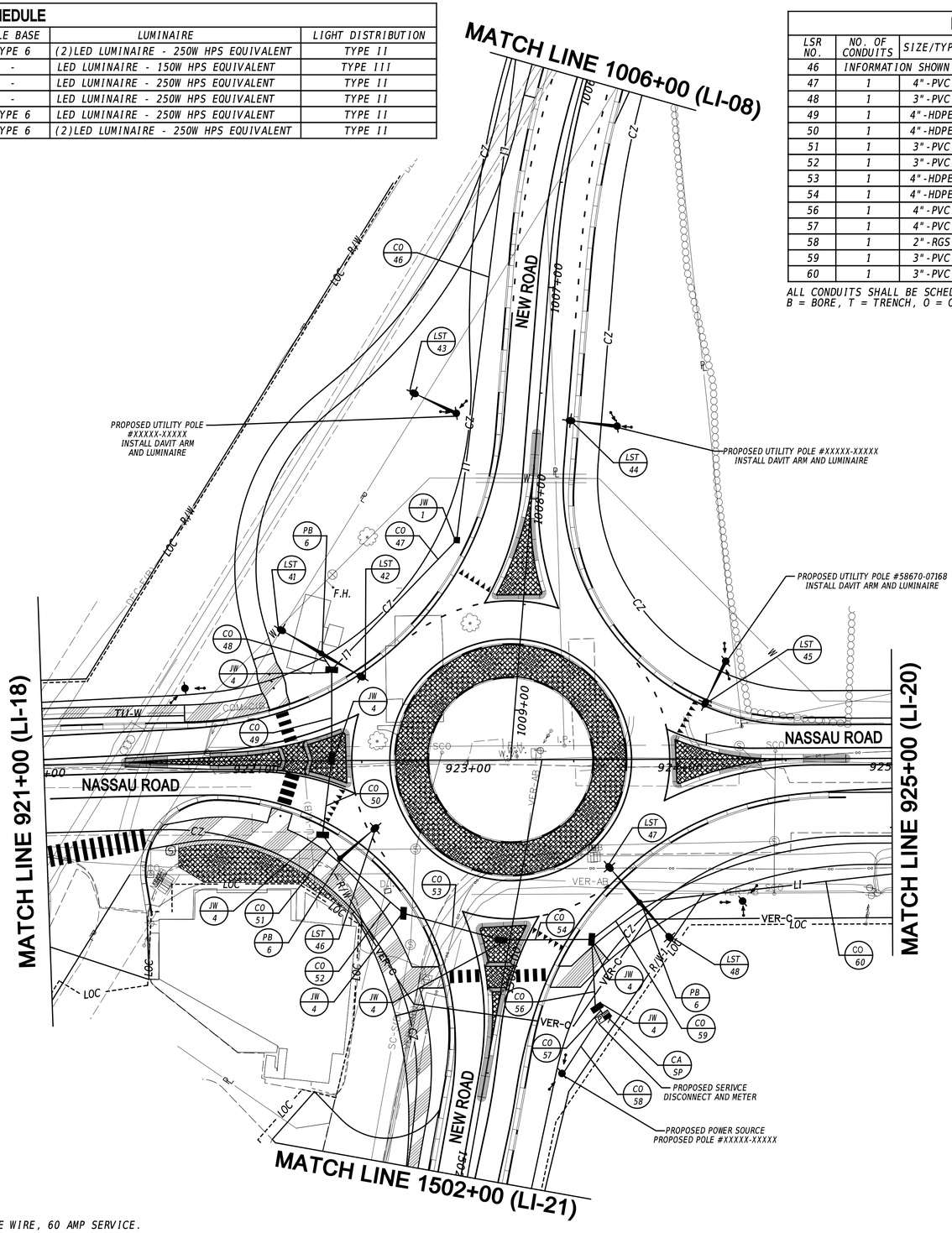
NO.	CIRCUIT NO.	STATION	OFFSET	ARM	LIGHT STANDARD	POLE BASE	LUMINAIRE	LIGHT DISTRIBUTION
41/42	B	922+31.10	50.57' LT	(2)12'	30' ALUMINUM LIGHTING POLE	TYPE 6	(2)LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
43	N/A	1007+62.74	38.48' RT	12'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 150W HPS EQUIVALENT	TYPE III
44	N/A	1007+62.74	37.58' LT	12'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
45	N/A	924+29.57	67.09' LT	12'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
46	A	922+25.54	58.30' RT	12'	30' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
47/48	A	1500+61.86	57.14' LT	(2)12'	30' ALUMINUM LIGHTING POLE	TYPE 6	(2)LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II

W = WATT
LED = LIGHT EMITTING DIODE
HPS = HIGH PRESSURE SODIUM

LIGHTING SERVICE SCHEDULE

LSR NO.	NO. OF CONDUITS	SIZE/TYPE	LENGTH	INSTALL METHOD	AMOUNT AND TYPE OF CABLE / WIRE
46	INFORMATION SHOWN ON LI-08				
47	1	4"-PVC	85'	T	(3)#8 + (1) #8 GND
48	1	3"-PVC	10'	T	(2)#8 + (1) #8 GND
49	1	4"-HDPE	45'	B	(3)#8 + (1) #8 GND
50	1	4"-HDPE	40'	B	(3)#8 + (1) #8 GND
51	1	3"-PVC	25'	T	(3)#8 + (1) #8 GND
52	1	3"-PVC	50'	T	(3)#8 + (1) #8 GND
53	1	4"-HDPE	50'	B	(3)#8 + (1) #8 GND
54	1	4"-HDPE	45'	B	(3)#8 + (1) #8 GND
56	1	4"-PVC	35'	T	(3)#8 + (1) #8 GND
57	1	4"-PVC	10'	T	(3)#8 + (1) #8 GND
58	1	2"-RGS	30'	T	(3)#6 + (1) #6 GND
59	1	3"-PVC	30'	T	(3)#8 + (1) #8 GND
60	1	3"-PVC	125'	T	(2)#8 + (1) #8 GND

ALL CONDUITS SHALL BE SCHEDULE 80 PVC UNLESS OTHERWISE NOTED.
B = BORE, T = TRENCH, O = OPEN CUT



NOTES:

1. USE PROPOSED ELECTRICAL SERVICE ON PEDESTAL WITH 120/240V. SINGLE PHASE, THREE WIRE, 60 AMP SERVICE.

ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	LIGHTING PLAN	LI-19 SECTION JMT
				COUNTY SUSSEX	DESIGNED BY: K. PRICE/R. KUSY		SHEET NO. 261
					CHECKED BY: M. WAHED		

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LIGHTING STANDARD SCHEDULE

NO.	CIRCUIT NO.	STATION	OFFSET	ARM	LIGHT STANDARD	POLE BASE	LUMINAIRE	LIGHT DISTRIBUTION
49	B	925+03.41	54.26' RT	12'	30' ALUMINUM LIGHTING POLE	TYPE 6	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
50	N/A	926+75.10	62.94' RT	12'	EXISTING UTILITY POLE	-	LED LUMINAIRE - 400W HPS EQUIVALENT	TYPE IV
51	N/A	926+75.10	62.94' RT	8'	EXISTING UTILITY POLE	-	LED LUMINAIRE - 150W HPS EQUIVALENT	TYPE II
56	N/A	928+51.33	50.69' RT	12'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 400W HPS EQUIVALENT	TYPE IV
57	N/A	928+51.33	50.69' RT	8'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 150W HPS EQUIVALENT	TYPE II
58	N/A	930+44.87	40.76' RT	12'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
59	N/A	930+44.87	40.76' RT	8'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 150W HPS EQUIVALENT	TYPE II
60	N/A	932+36.13	37.40' RT	12'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 250W HPS EQUIVALENT	TYPE II
61	N/A	932+36.13	37.40' RT	8'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 150W HPS EQUIVALENT	TYPE II

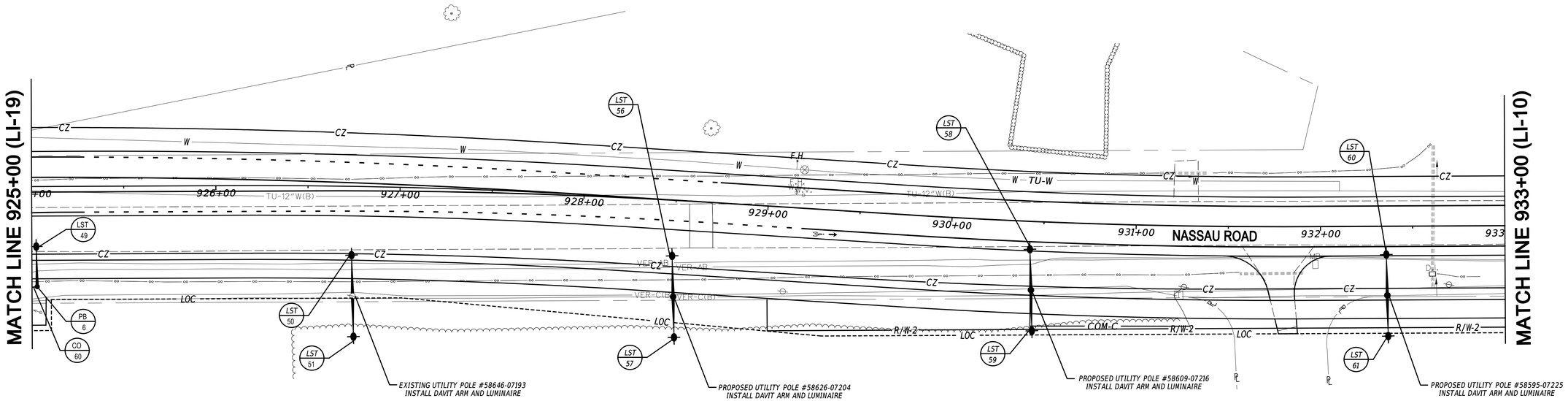
W = WATT
LED = LIGHT EMITTING DIODE
HPS = HIGH PRESSURE SODIUM

LIGHTING SERVICE SCHEDULE

LSR NO.	NO. OF CONDUITS	SIZE/TYPE	LENGTH	INSTALL METHOD	AMOUNT AND TYPE OF CABLE / WIRE
60	INFORMATION SHOWN ON LI-19				

ALL CONDUITS SHALL BE SCHEDULE 80 PVC UNLESS OTHERWISE NOTED.
B = BORE, T = TRENCH, O = OPEN CUT

N



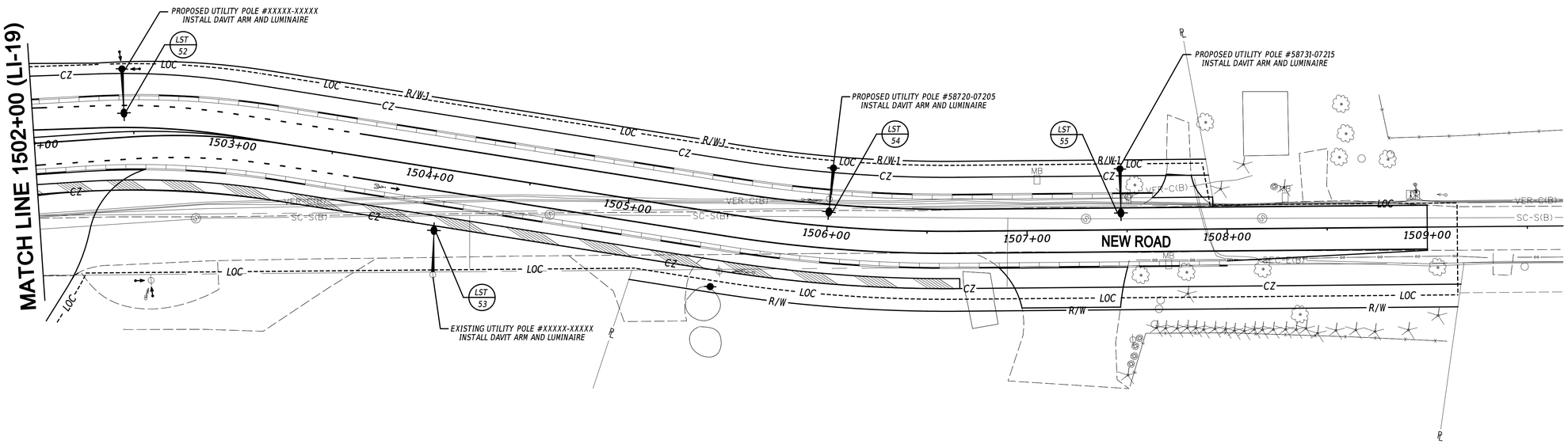
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ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	LIGHTING PLAN	LI-20
				COUNTY SUSSEX	DESIGNED BY: K. PRICE/R. KUSY		SECTION JMT
					CHECKED BY: M. WAHED		SHEET NO. 262

LIGHTING STANDARD SCHEDULE

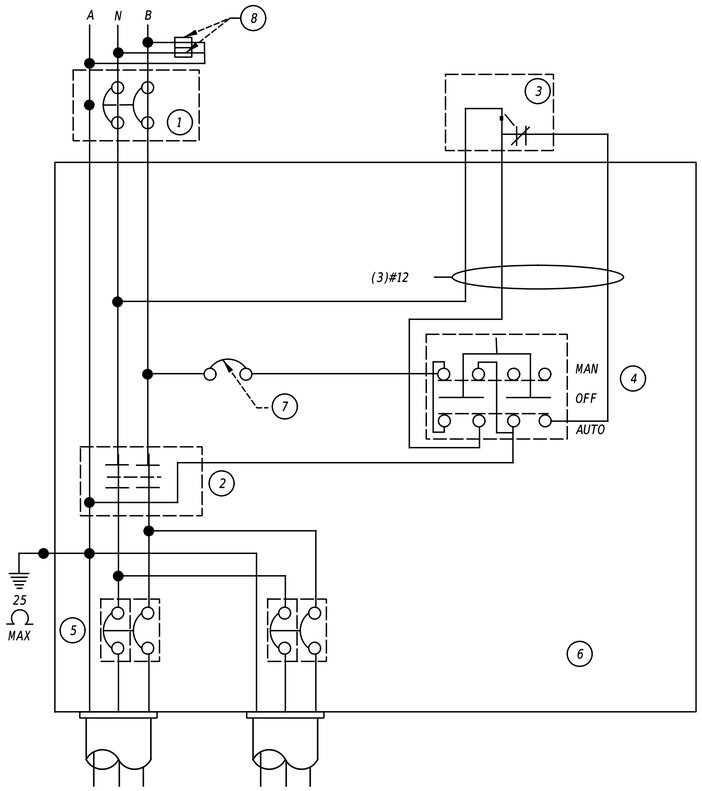
NO.	CIRCUIT NO.	STATION	OFFSET	ARM	LIGHT STANDARD	POLE BASE	LUMINAIRE	LIGHT DISTRIBUTION
52	N/A	1502+45.02	31.46' LT	12'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 150W HPS EQUIVALENT	TYPE II
53	N/A	1504+09.68	58.03' RT	12'	EXISTING UTILITY POLE	-	LED LUMINAIRE - 400W HPS EQUIVALENT	TYPE IV
54	N/A	1506+00.00	29.28' LT	12'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 400W HPS EQUIVALENT	TYPE IV
55	N/A	1507+46.93	30.50' LT	12'	PROPOSED UTILITY POLE	-	LED LUMINAIRE - 400W HPS EQUIVALENT	TYPE IV

W = WATT
LED = LIGHT EMITTING DIODE
HPS = HIGH PRESSURE SODIUM



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ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	LIGHTING PLAN	LI-21
				COUNTY SUSSEX	DESIGNED BY: K. PRICE/R. KUSY		SECTION JMT
					CHECKED BY: M. WAHED		SHEET NO. 263



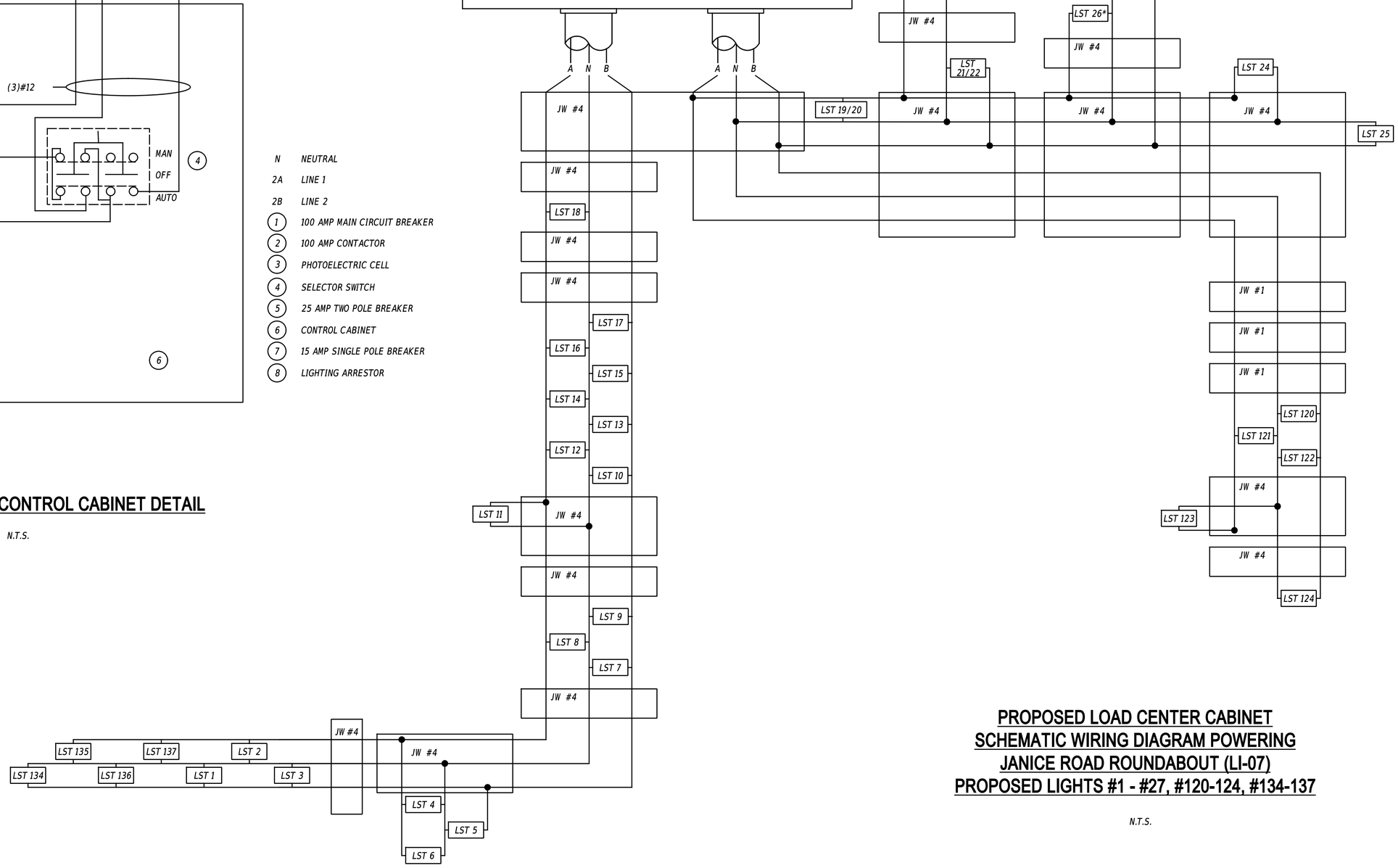
N	NEUTRAL
2A	LINE 1
2B	LINE 2
1	100 AMP MAIN CIRCUIT BREAKER
2	100 AMP CONTACTOR
3	PHOTOELECTRIC CELL
4	SELECTOR SWITCH
5	25 AMP TWO POLE BREAKER
6	CONTROL CABINET
7	15 AMP SINGLE POLE BREAKER
8	LIGHTING ARRESTOR

100 AMP LIGHTING CONTROL CABINET DETAIL

N.T.S.

NEW 100 AMP
LIGHTING CONTROL
CABINET

SEE LI-22 FOR
ADDITIONAL DETAIL



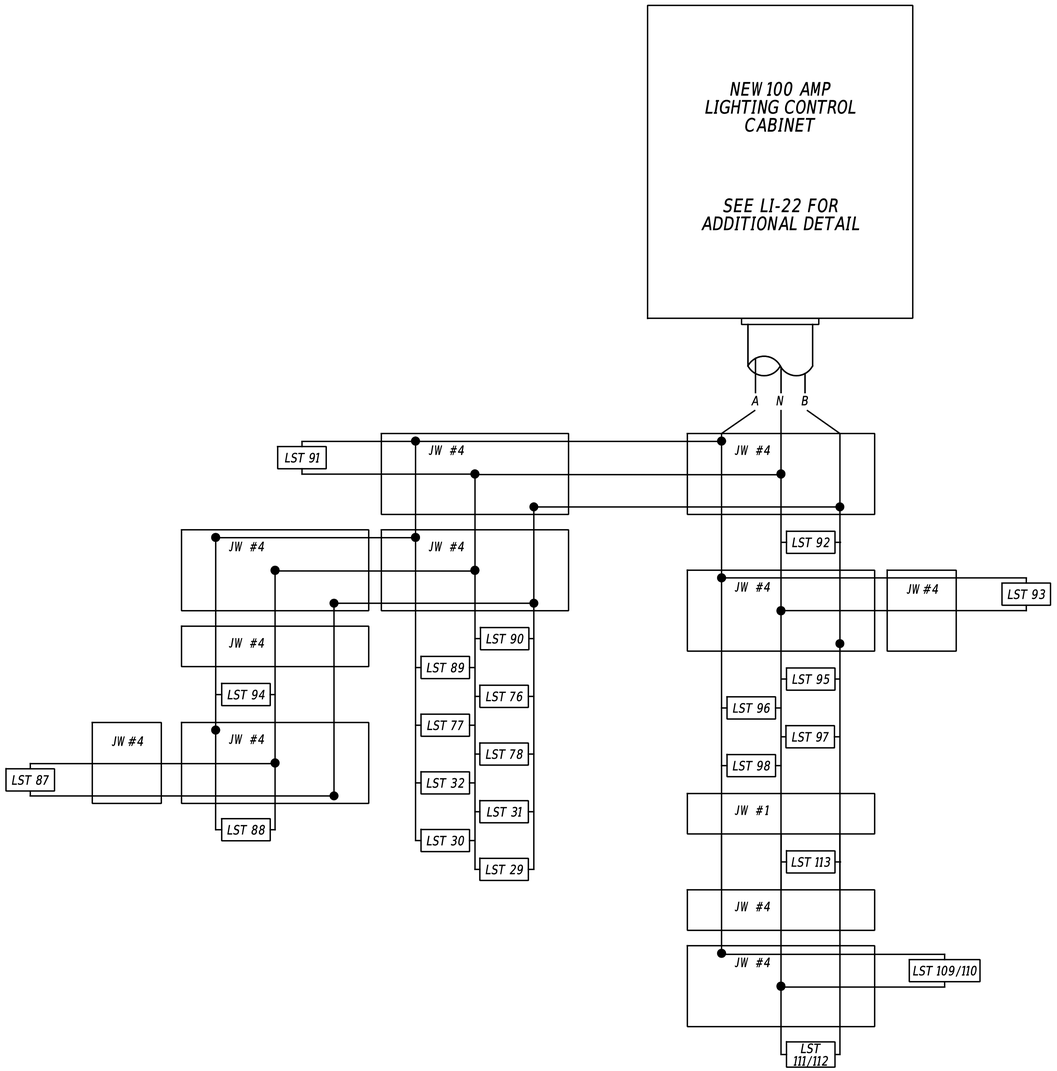
* NOTE: LST 26 & LST 27 ARE UNDERBRIDGE FIXTURES.

PROPOSED LOAD CENTER CABINET SCHEMATIC WIRING DIAGRAM POWERING JANICE ROAD ROUNDABOUT (LI-07) PROPOSED LIGHTS #1 - #27, #120-124, #134-137

N.T.S.

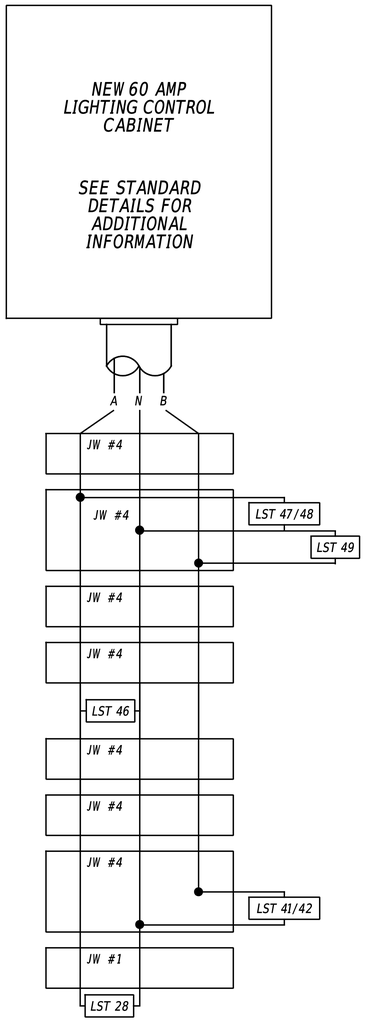
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				T201612501	DESIGNED BY: K. PRICE/R. KUSY		SECTION JMT
				COUNTY			SHEET NO. 264
				SUSSEX	CHECKED BY: M. WAHED		

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PROPOSED LOAD CENTER CABINET
SCHEMATIC WIRING DIAGRAM POWERING
MINOS CONAWAY ROAD ROUNDABOUT (LI-12)
PROPOSED LIGHTS #29 - #32, #76 - #78,
#87 - 98 & #109 - #113

N.T.S.

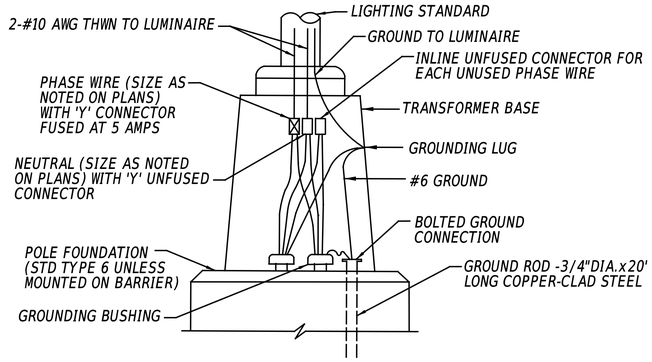


PROPOSED LOAD CENTER CABINET
SCHEMATIC WIRING DIAGRAM POWERING
NASSAU ROAD ROUNDABOUT (LI-19)
PROPOSED LIGHTS #28, #41 - #42,
#46 - #49 & #52 - #55

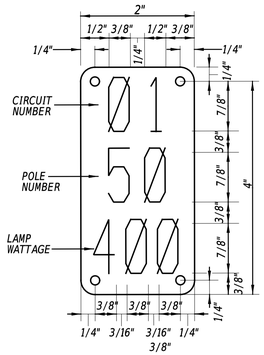
N.T.S.

ADDENDA / REVISIONS		NOT TO SCALE	SR 1, MINOS CONWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	LIGHTING DETAIL	LI-23
				COUNTY SUSSEX	DESIGNED BY: K. PRICE/R. KUSY		SECTION JMT
					CHECKED BY: M. WAHED		SHEET NO. 265

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TYPICAL LUMINAIRE CONNECTION - 120/240V SERVICE



TYPICAL POLE IDENTIFICATION TAG

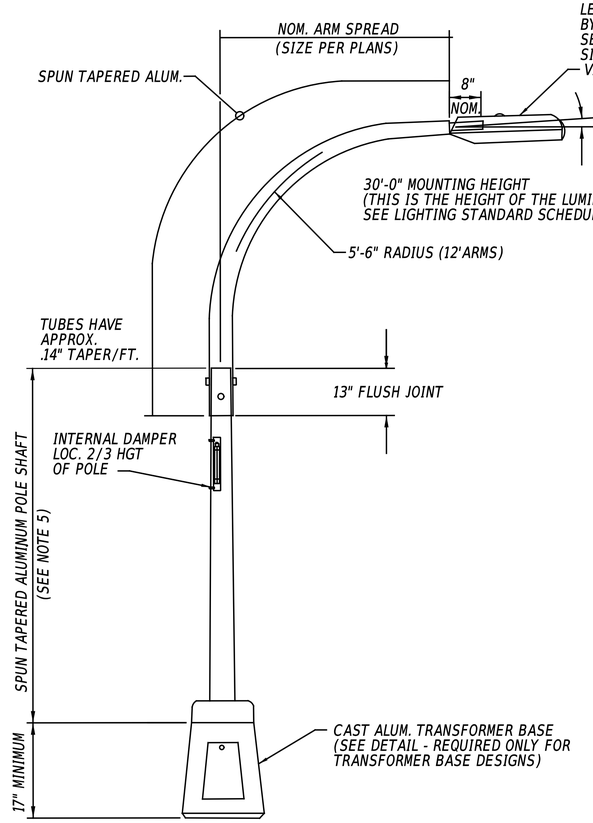
NOTES:
1. INSTALL IDENTIFICATION TAG ON SIDE OF POLE FACING AWAY FROM TRAFFIC.

2. ALIGN POLE ARMS PERPENDICULAR TO THE EDGE OF THE TRAVELWAY, UNLESS OTHERWISE DIRECTED.

3. FURNISH THE OUTER SLEEVE MEMBER AT THE LIGHT STANDARD FLUSH JOINT WITH PREDRILLED HOLES AT 90 DEGREES APART (MIN. 6" DISTANCE BETWEEN HOLES). DRILL THE INNER MEMBER IN THE FIELD AFTER THE POLE SHAFT IS INSTALLED AND THE DAVIT ARM HAS BEEN ALIGNED.

4. LAMP TYPE, WATTAGE AND HORIZONTAL DISTRIBUTION TYPE IS SPECIFIED ON THE PLANS. MOUNT ALL LUMINAIRES AT A ZERO DEGREE TILT ANGLE. PHOTOCELL AS REQUIRED PER PLANS.

5. INCLUDE CUTOFF OPTICS FOR LUMINAIRES, AND LABEL WITH AN IDENTIFICATION STICKER IN ACCORDANCE WITH NEMA CONVENTIONS.



DAVIT ARM LIGHT POLE DETAIL

N.T.S.

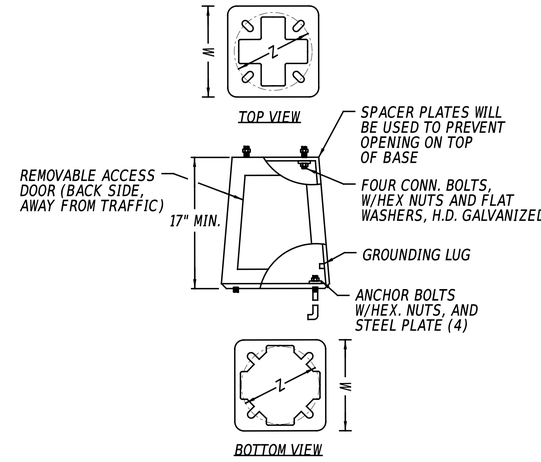
NOTES:
1.HEAT TREAT POLE & DAVIT TO -T6, TEMPER AFTER WELDING.

2.DESIGNED IN ACCORDANCE WITH STANDARDS ESTABLISHED BY THE LATEST EDITION OF AASHTO REQUIREMENTS.

3.TRANSFORMER WILL MEET THE STANDARDS ESTABLISHED BY THE LATEST EDITION OF AASHTO BREAKAWAY REQUIREMENTS.

4.DUE TO VARYING ELEVATIONS OF ROADWAY, IT MAY BE NECESSARY TO MAINTAIN A NOMINAL FIXTURE MOUNTING HEIGHT OF 30', AS SPECIFIED ON PLANS, ABOVE THE ROADWAY. DETERMINE THE MEASUREMENTS FOR THE LUMINAIRE HEIGHTS. BETWEEN TWO ADJACENT LUMINAIRES, THE DIFFERENCE IN HEIGHT WILL NOT EXCEED 12".

MATERIAL SPECIFICATION	
POLE & DAVIT TUBES	6063-T6
ANCHOR BASE	AA356-T6
BOLT COVERS	AA356
ANCHOR BOLT NUTS	ASTM-A563 GR.A
ANCHOR BOLTS	ASTM-F1554 GR55
STN.STL.HARDWARE	AISI-300 SERIES SST
TRANSFORMER BASE	AA356-T6
T-BASE HARDWARE	ASTM-A325 GALV.



LIGHTING STRUCTURE ON BREAKAWAY TRANSFORMER BASE

N.T.S.

MOUNTING HEIGHT	ARM LENGTH	MIN WIDTH 'W'	BOLT DIA.	BOLT CIRCLE 'Z'
LESS THAN 40'	LESS THAN 30'	13"	1"	13 1/2"

NOTES:
1.ALUMINUM TRANSFORMER BASE WILL MEET THE MOST RECENT AASHTO BREAKAWAY REQUIREMENTS.

2.INSTALL BREAKAWAY TRANSFORMER BASES FOR ALL POLES, UNLESS OTHERWISE NOTED.

3.INSTALL OEPNING AND ACCESS DOOR OF TRANSFORMER BASE OPPOSIDE CURB OF ROADWAY.

4.PROVIDE ACCESSIBLE GROUNDING NUT OR LUG INSIDE TRANSFORMER BASE.

5.PROVIDE WASHERS, SHIMS AND BOLTS AS REQUIRED BY TRANSFORMER BASE MANUFACTURER.

6.THE CONTACT AREA BETWEEN THE TRANSFORMER BASE AND CONCRETE FOUNDATION WILL BE SHOP COATED WITH COAL TAR EPOXY MEETING SSPC-PAINT 16 SPECIFICATIONS. THE THICKNESS OF THE COATING WILL BE BETWEEN 6 AND 8 MILS. THE COATING WILL BE COMPLETELY DRY BEFORE INSTALLATION. THE TOP OF THE FOUNDATION WILL NOT BE PAINTED.

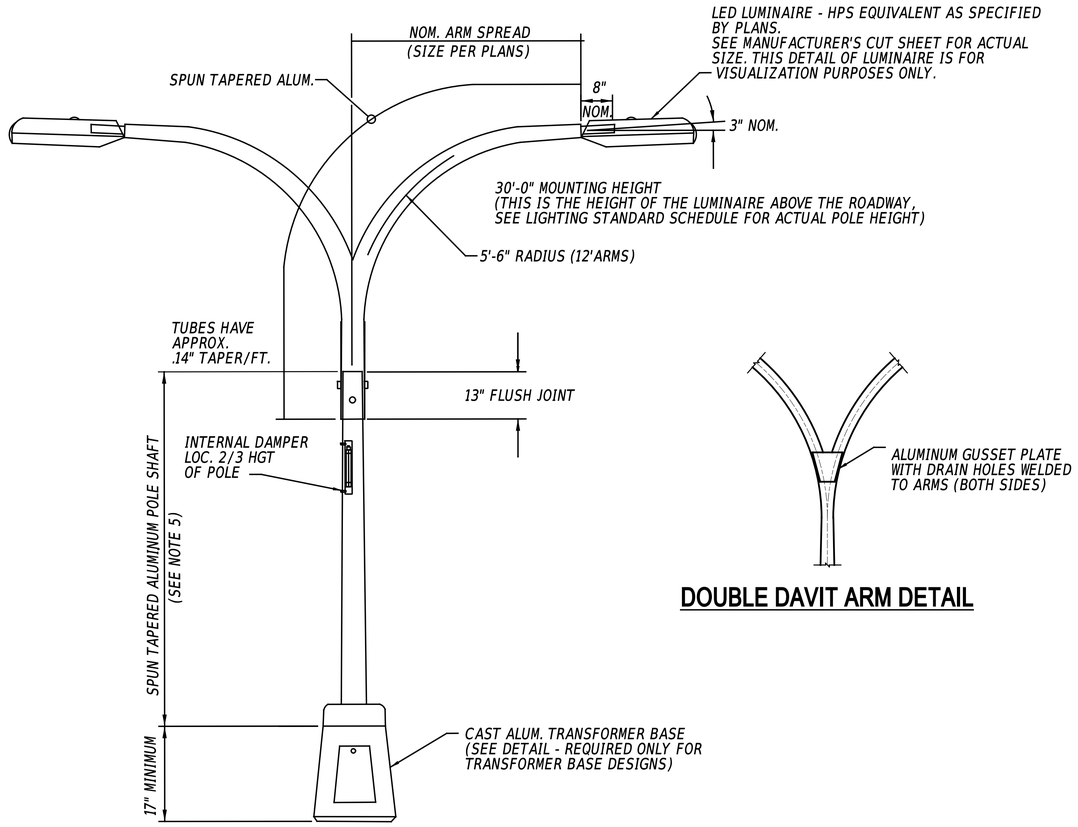
7.TOP AND BOTTOM OF BASE MAY BE SLOTTED FOR BOLT CIRCLE. SLOT MUST ACCOMMODATE DIMENSION SHOWN.

8.TRANSFORMER BASE AND ASSOCIATED COMPONENTS WILL MEET THE FOLLOWING MATERIAL REQUIREMENTS:

MATERIAL SPECIFICATION	
POLE & DAVIT TUBES	6063-T6
ANCHOR BASE	AA356-T6
BOLT COVERS	AA356
ANCHOR BOLT NUTS	ASTM-A563 GR.A
ANCHOR BOLTS	ASTM-F1554 GR55
STN.STL.HARDWARE	AISI-300 SERIES SST
TRANSFORMER BASE	AA356-T6
T-BASE HARDWARE	ASTM-A325 GALV.

5/6/2024
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ADDENDA / REVISIONS		NOT TO SCALE	SR 1, MINOS CONWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO. X	LIGHTING DETAIL	LI-24
				T201612501	DESIGNED BY: K. PRICE/R. KUSY		SECTION JMT
				COUNTY			SHEET NO. 266
				SUSSEX	CHECKED BY: M. WAHED		



TWIN DAVIT ARM LIGHT POLE DETAIL

N.T.S.

NOTES:
1.HEAT TREAT POLE & DAVIT TO -T6, TEMPER AFTER WELDING.

2.FINISH - POLE & DAVIT WILL BE SATIN FINISHED POLISHED AND WRAPPED.

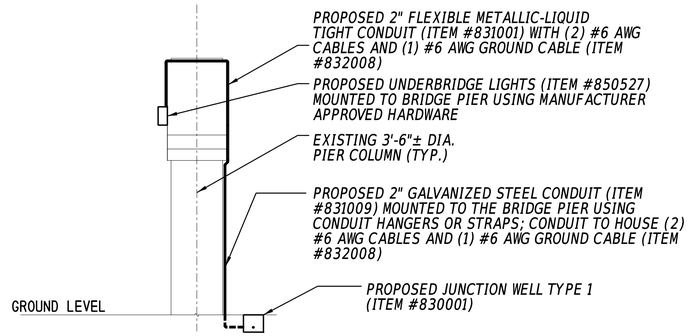
3.DESIGNED IN ACCORDANCE WITH STANDARDS ESTABLISHED BY THE LATEST EDITION OF AASHTO REQUIREMENTS.

4.TRANSFORMER WILL MEET THE STANDARDS ESTABLISHED BY THE LATEST EDITION OF AASHTO BREAKAWAY REQUIREMENTS.

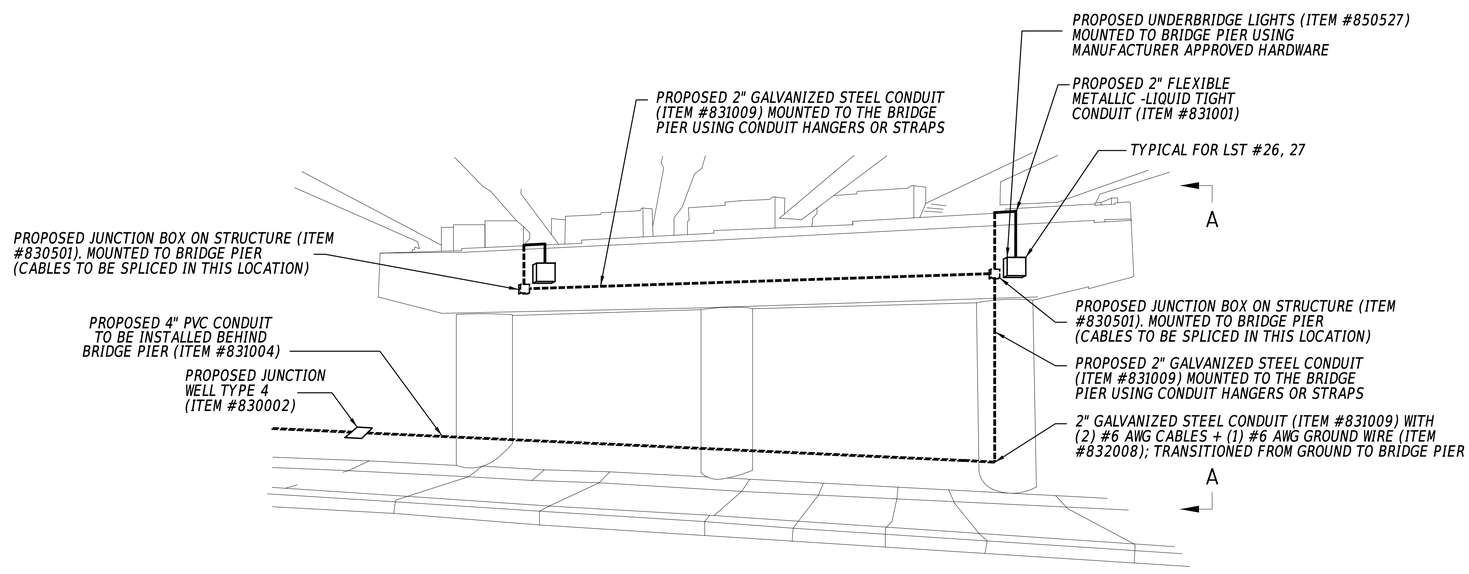
5.DUE TO VARYING ELEVATIONS OF ROADWAY, IT MAY BE NECESSARY TO MAINTAIN A NOMINAL FIXTURE MOUNTING HEIGHT OF 30', AS SPECIFIED ON PLANS, ABOVE THE ROADWAY. DETERMINE THE MEASUREMENTS FOR THE LUMINAIRE HEIGHTS. BETWEEN TWO ADJACENT LUMINAIRES, THE DIFFERENCE IN HEIGHT WILL NOT EXCEED 12".

MATERIAL SPECIFICATION	
POLE & DAVIT TUBES	6063-T6
ANCHOR BASE	AA356-T6
BOLT COVERS	AA356
ANCHOR BOLT NUTS	ASTM-A563 GR.A
ANCHOR BOLTS	ASTM-F1554 GR55
STN.STL.HARDWARE	AISI-300 SERIES SST
TRANSFORMER BASE	AA356-T6
T-BASE HARDWARE	ASTM-A325 GALV.

DOUBLE DAVIT ARM DETAIL



SECTION A-A



ELEVATION

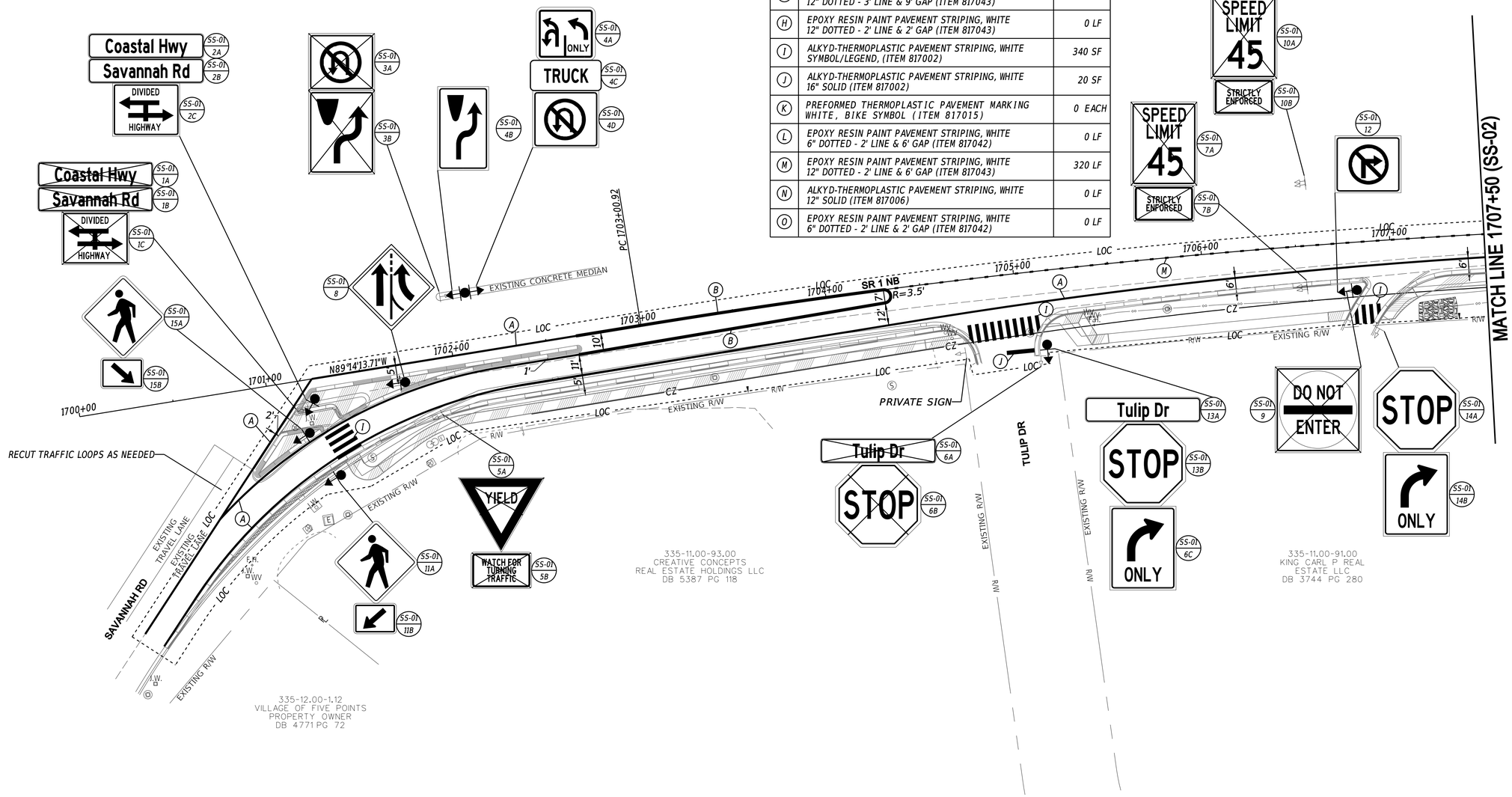
UNDERBRIDGE LIGHTING CONDUIT DETAIL
NOT TO SCALE

ADDENDA / REVISIONS		NOT TO SCALE	SR 1, MINOS CONWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO. X	LIGHTING DETAIL	LI-25
				T201612501	DESIGNED BY: K. PRICE/R. KUSY		SECTION
				COUNTY			JMT
				SUSSEX	CHECKED BY: M. WAHED		SHEET NO.
							267

8/22/2024
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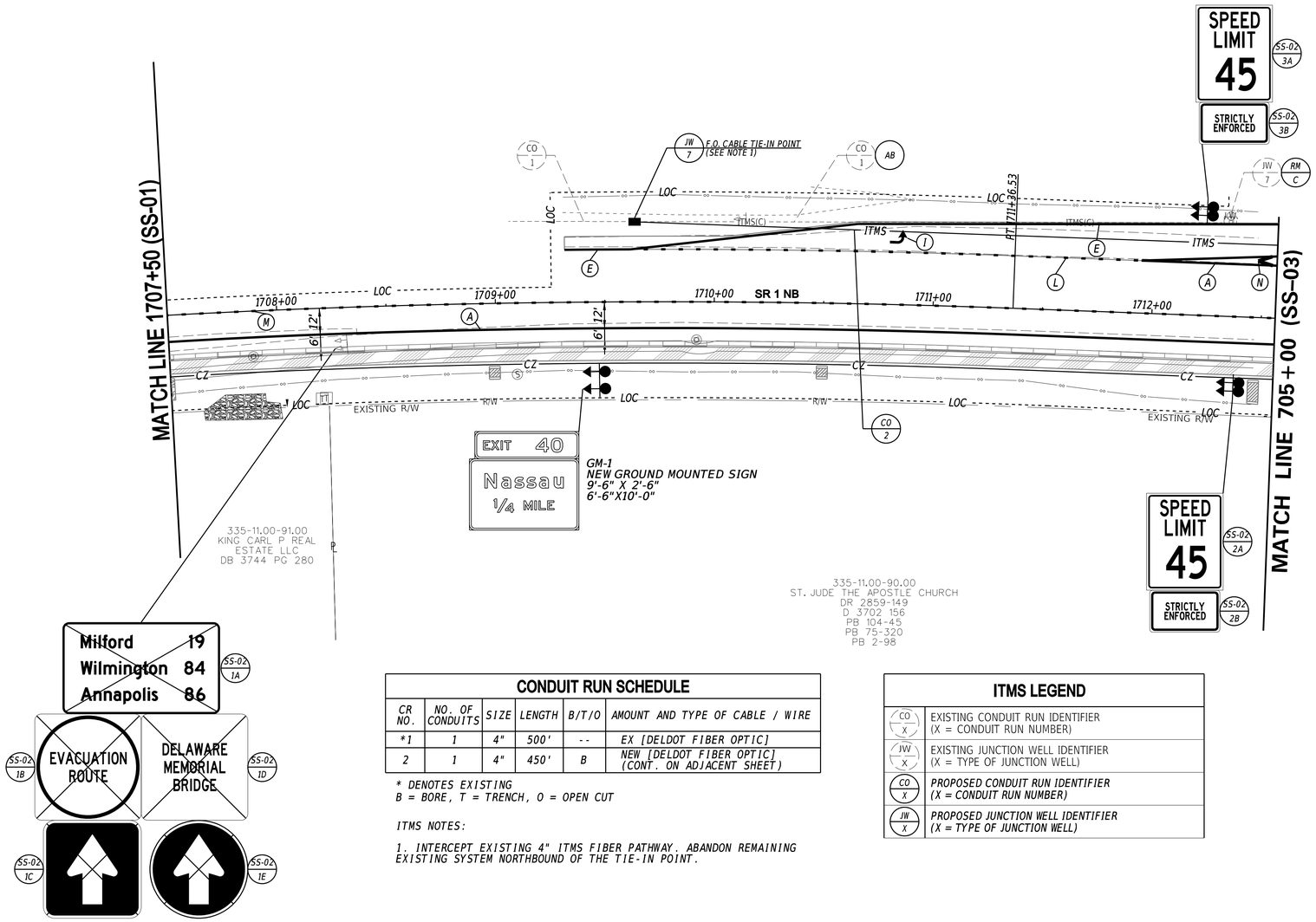
PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
A	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	1,309 LF
B	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 817043)	340 LF
D	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID DOUBLE LINE (ITEM 817042)	0 LF
E	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	0 LF
F	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 10' LINE & 30' GAP (ITEM 817042)	0 LF
G	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 3' LINE & 9' GAP (ITEM 817043)	0 LF
H	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 2' LINE & 2' GAP (ITEM 817043)	0 LF
I	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 817002)	340 SF
J	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 817002)	20 SF
K	PREFORMED THERMOPLASTIC PAVEMENT MARKING WHITE, BIKE SYMBOL (ITEM 817015)	0 EACH
L	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 6' GAP (ITEM 817042)	0 LF
M	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 2' LINE & 6' GAP (ITEM 817043)	320 LF
N	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 817006)	0 LF
O	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 2' GAP (ITEM 817042)	0 LF



ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	SIGNING, STRIPING AND CONDUIT PLAN	SS-01
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SECTION PD
					CHECKED BY: B. BEHRENS		SHEET NO. 268

10-AUG-2024
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PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
A	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	799 LF
B	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 817043)	0 LF
D	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID DOUBLE LINE (ITEM 817042)	0 LF
E	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	327 LF
F	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 10' LINE & 30' GAP (ITEM 817042)	0 LF
G	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 3' LINE & 9' GAP (ITEM 817043)	0 LF
H	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 2' LINE & 2' GAP (ITEM 817043)	0 LF
I	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 817002)	340 SF
J	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 817002)	20 SF
K	PREFORMED THERMOPLASTIC PAVEMENT MARKING WHITE, BIKE SYMBOL (ITEM 817015)	0 EACH
L	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 6' GAP (ITEM 817042)	234 LF
M	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 2' LINE & 6' GAP (ITEM 817043)	320 LF
N	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 817006)	14 LF
O	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 2' GAP (ITEM 817042)	0 LF

CONDUIT RUN SCHEDULE

CR NO.	NO. OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
*1	1	4"	500'	--	EX [DELDOT FIBER OPTIC]
2	1	4"	450'	B	NEW [DELDOT FIBER OPTIC] (CONT. ON ADJACENT SHEET)

* DENOTES EXISTING
B = BORE, T = TRENCH, O = OPEN CUT

ITMS NOTES:

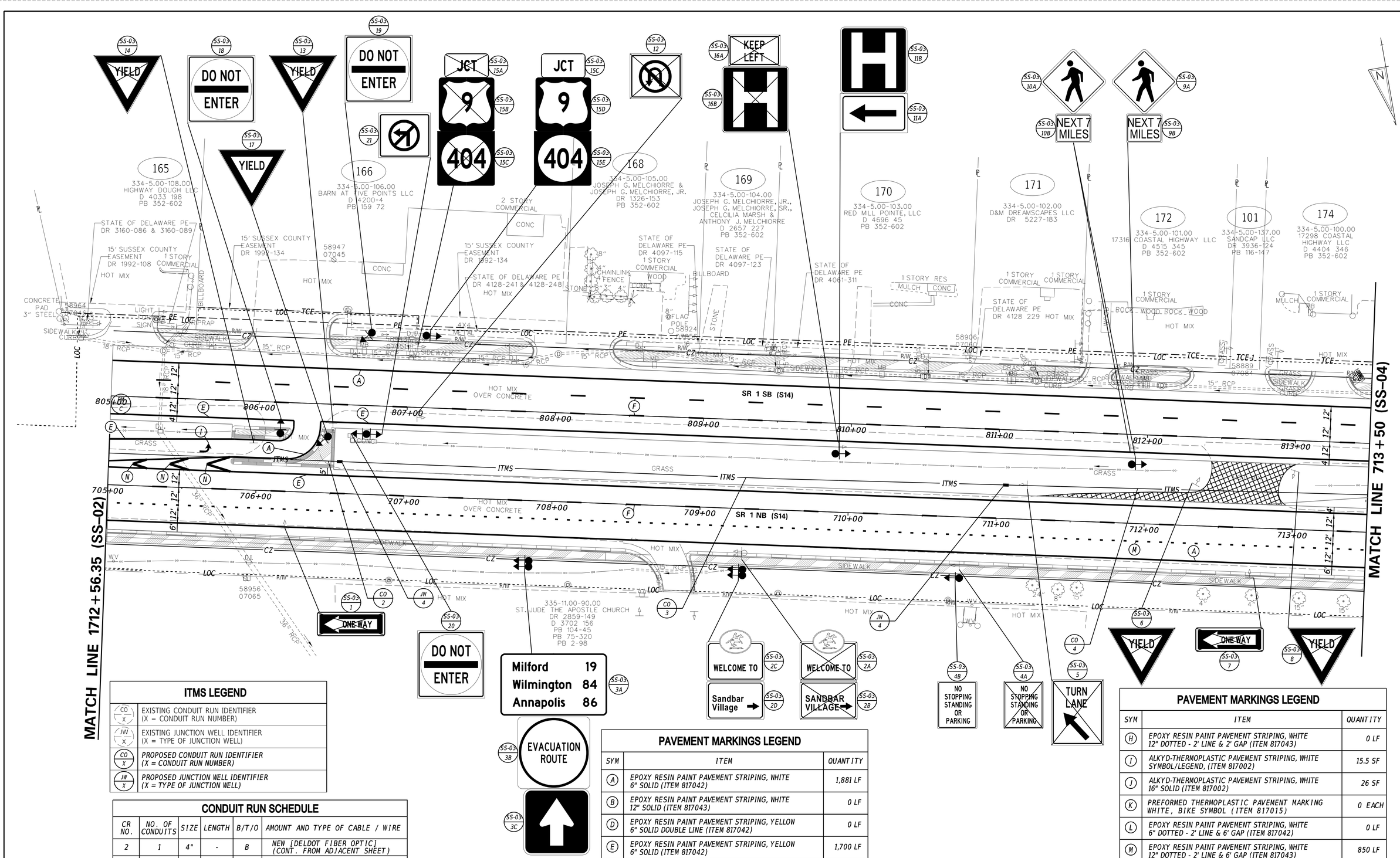
1. INTERCEPT EXISTING 4" ITMS FIBER PATHWAY. ABANDON REMAINING EXISTING SYSTEM NORTHBOUND OF THE TIE-IN POINT.

ITMS LEGEND

CO / X	EXISTING CONDUIT RUN IDENTIFIER (X = CONDUIT RUN NUMBER)
JW / X	EXISTING JUNCTION WELL IDENTIFIER (X = TYPE OF JUNCTION WELL)
CO / X	PROPOSED CONDUIT RUN IDENTIFIER (X = CONDUIT RUN NUMBER)
JW / X	PROPOSED JUNCTION WELL IDENTIFIER (X = TYPE OF JUNCTION WELL)

22-AUG-2024
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ADDENDA / REVISIONS	SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO.	X	SIGNING, STRIPING AND CONDUIT PLAN	SS-02 SECTION
	0 30 60 90 FEET		T201612501	DESIGNED BY: N. RIGOLINO			PD
			COUNTY	CHECKED BY: B. BEHRENS			SHEET NO.
			SUSSEX				269



ITMS LEGEND

CO X	EXISTING CONDUIT RUN IDENTIFIER (X = CONDUIT RUN NUMBER)
JW X	EXISTING JUNCTION WELL IDENTIFIER (X = TYPE OF JUNCTION WELL)
CO X	*PROPOSED CONDUIT RUN IDENTIFIER (X = CONDUIT RUN NUMBER)*
JW X	*PROPOSED JUNCTION WELL IDENTIFIER (X = TYPE OF JUNCTION WELL)*

CONDUIT RUN SCHEDULE

CR NO.	NO. OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
2	1	4"	-	B	NEW [DELDOT FIBER OPTIC] (CONT. FROM ADJACENT SHEET)
3	1	4"	450'	T	NEW [DELDOT FIBER OPTIC]
4	1	4"	445'	T	NEW [DELDOT FIBER OPTIC] (CONT. ON ADJACENT SHEET)

* DENOTES EXISTING
B = BORE, T = TRENCH, O = OPEN CUT

PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
A	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	1,881 LF
B	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 817043)	0 LF
D	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID DOUBLE LINE (ITEM 817042)	0 LF
E	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	1,700 LF
F	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 10' LINE & 30' GAP (ITEM 817042)	2,550 LF
G	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 3' LINE & 9' GAP (ITEM 817043)	0 LF

PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
H	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 2' LINE & 2' GAP (ITEM 817043)	0 LF
I	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 817002)	15.5 SF
J	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 817002)	26 SF
K	PREFORMED THERMOPLASTIC PAVEMENT MARKING WHITE, BIKE SYMBOL (ITEM 817015)	0 EACH
L	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 6' GAP (ITEM 817042)	0 LF
M	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 2' LINE & 6' GAP (ITEM 817043)	850 LF
N	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 817006)	80 LF
O	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 2' GAP (ITEM 817042)	0 LF

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

SIGNING, STRIPING AND CONDUIT PLAN

SS-03
SECTION PD
SHEET NO. 270

21-AUG-2024
11:17
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PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
A	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	2,753 LF
B	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 817043)	649 LF
D	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID DOUBLE LINE (ITEM 817042)	392 LF
E	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	1,589 LF
F	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 10' LINE & 30' GAP (ITEM 817042)	2,167 LF
G	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 3' LINE & 9' GAP (ITEM 817043)	0 LF

PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
H	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 2' LINE & 2' GAP (ITEM 817043)	0 LF
I	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 817002)	832 SF
J	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 817002)	72 SF
K	PREFORMED THERMOPLASTIC PAVEMENT MARKING WHITE, BIKE SYMBOL (ITEM 817015)	0 EACH
L	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 6' GAP (ITEM 817042)	0 LF
M	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 2' LINE & 6' GAP (ITEM 817043)	35 LF
N	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 817006)	99 LF
O	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 2' GAP (ITEM 817042)	0 LF

* - SIGNS ARE BARRIER MOUNTED

MATCH LINE 713+50 (SS-03)

MATCH LINE 721+50 (SS-05)

174 — 334-5.00-100.00 — 17298 COASTAL HIGHWAY LLC — D 4404 346 — PB 352-602

175 — 334-5.00-99.00 — DELAWARE PADDLESPORTS HOLDINGS LLC — D 4527 162 — PB 352-602

176 — 334-5.00-98.00 — DELAWARE PADDLESPORTS HOLDINGS LLC — D 5053-25 — PB 352-602

177 — 334-5.00-97.00 — BUSINESS SECURITIES, LLC — D 2819 225 — PB 352-602

100 — 334-5.00-96.00 — MOHAMMAD MEHDI & ZAFAR I. CHAUDHRY — DR 3141 223 — DR 3437 340 — PB 352 602

STATE OF DELAWARE PE DR 4171-325

101 — 334-5.00-137.00 — SANDCAP, LLC — DR 3936-124 — PB 116-147

102 — 334-5.00-95.00 — SAND BAR, LLC — D 4602 261 — PB 95-70 — DEC D 1608 315 — SC D 1992 111 — SC D 1992 114

335-11.00-90.00 — ST. JUDE THE APOSTLE CHURCH — D 2702 156 — DR 2859-149 — PB 104-45 — PB 75-320 — PB 2-98

103 — 335-11.00-58.00 — TARAMINO, L.L.C. — DR 2633-259 — PB 66-156 — TU D 2679 113

SR 1 SB (S14)

SR 1 NB (S14)

NASSAU RD (S266B)

PC 713+84.32

PC 815+46.62

PC 903+10.25

PC 907+68.03

PT 906+41.36

PRIVATE SIGN

1 STORY COMMERCIAL

2 STORY COMMERCIAL

STATE OF DELAWARE PE DR 4150-48

BILLBOARD

PVC FENCE

STONE

CONC

HOT MIX

HOT MIX OVER CONCRETE

GRASS

ITMS

SIDEWALK

CURB

MULCH

15" RCP

12" RCP

LOC

TCE

TCE-2

CZ

R/W

LOC R/W-1

DI

S.C.O.

SS-04 13A — STOP

SS-04 12A — STOP

SS-04 11 — DO NOT ENTER

SS-04 10

SS-04 13B — ONLY

SS-04 12B — ONLY

SS-02 22A — ONE WAY

SS-02 22B — ONE WAY

SS-04 16A — WELCOME TO

SS-04 16B — DUTCH ACRES

SS-04 16C — COVERED BRIDGE TRAILS

SS-04 16D — TURN LANE

SS-04 8B — Nassau → Virden Center

SS-04 14 — TURN LANE

SS-04 7D — NO STOPPING STANDING OR PARKING

SS-04 23A — WELCOME TO

SS-04 23B — SANDBAR VILLAGE →

SS-04 27A — Welcome To

SS-04 27B — Sandbar Village →

SS-04 1A — JANICE RD ← NASSAU RD →

SS-04 1B

SS-04 1C — NO STOPPING STANDING OR PARKING

SS-04 1D — NO STOPPING STANDING OR PARKING

SS-04 2 — RAMP 35 MPH

SS-04 28 — WRONG WAY

SS-04 29 — EXIT 40 ↗

EXIT 40 — Nassau ↗

GM-2
NEW GROUND MOUNTED SIGN
9'-6" X 2'-6"
4'-0"X13'-0"

SS-04 3A

SS-04 3B

SS-04 4A — NO STOPPING STANDING OR PARKING

SS-04 4B — NO STOPPING STANDING OR PARKING

RED RECESSED PAVEMENT MARKER (15) (SEE DETAIL)

SS-04 24A

SS-04 24B — Tulip Dr

SS-04 25A — DO NOT ENTER

SS-04 25B — WRONG WAY

(SEE DETAIL)

SS-04 17A — DO NOT ENTER

SS-04 17B — WRONG WAY

(SEE DETAIL)

SS-04 19

SS-04 5A — Nassau Rd

SS-04 5B — Tulip Dr

SS-04 5C — STOP

SS-04 5D — TRAFFIC FROM LEFT DOES NOT STOP

SS-04 5E — DIVIDED HIGHWAY

SS-04 5F — ONE WAY

SS-04 5G — ONLY

SS-04 6A — STOP

SS-04 6B — ONCOMING TRAFFIC DOES NOT STOP

SS-04 6C — ONLY

SS-04 7A

SS-04 7B — NASSAU RD →

SS-04 7C — NO STOPPING STANDING OR PARKING

SS-04 8A — Nassau Virden Center →

SS-04 15 — WRONG WAY

SS-04 9A — NO STOPPING STANDING OR PARKING

SS-04 9B — WRONG WAY

SS-04 9C — NO STOPPING STANDING OR PARKING

SS-04 21 — SPEED LIMIT 35

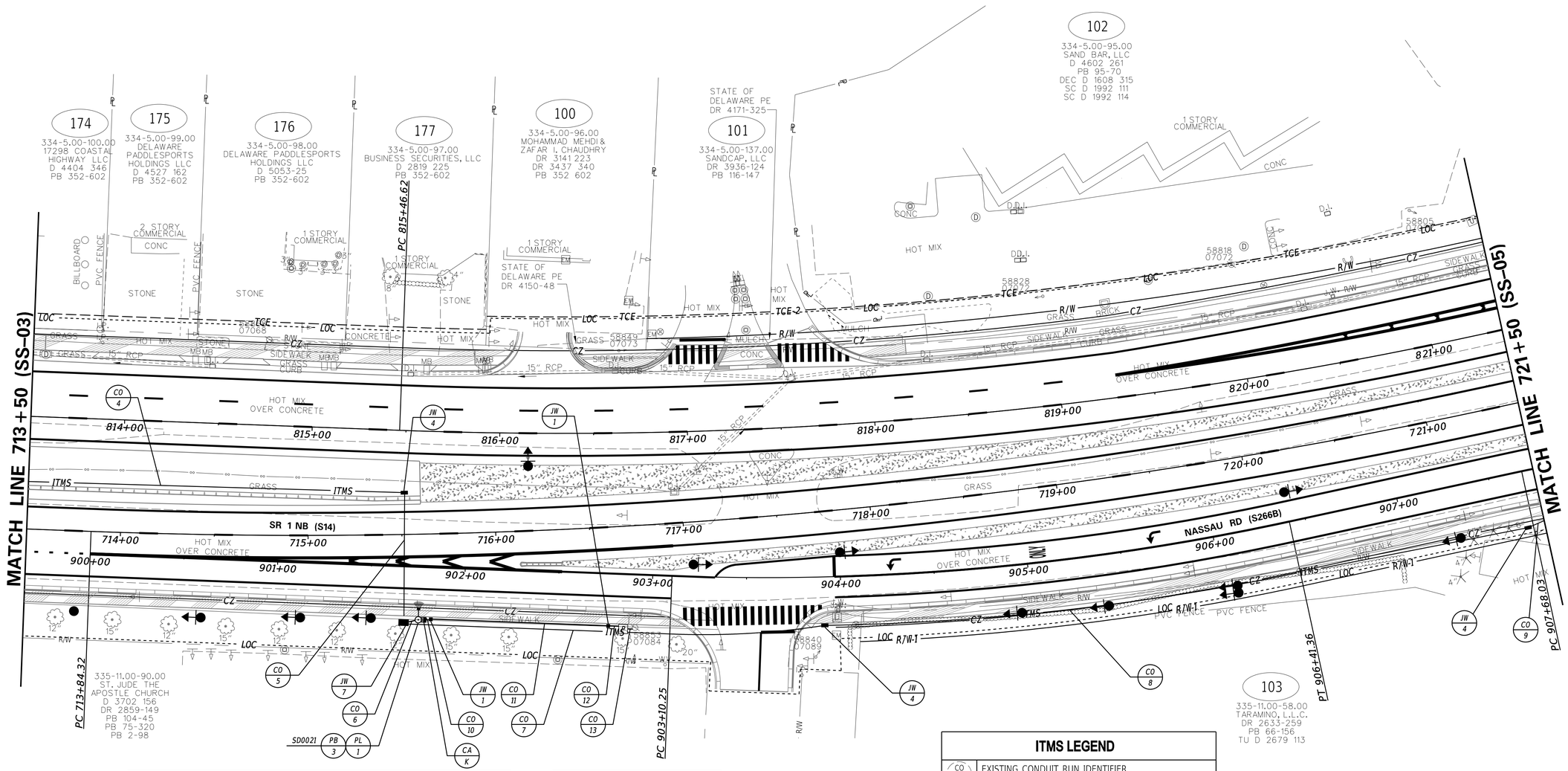
SS-04 26A

SS-04 26B — Tulip Dr

N

21-AUG-2024
11:40
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ADDENDA / REVISIONS	SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO.	X	SIGNING, STRIPING AND CONDUIT PLAN	SS–04 SECTION
	0 30 60 90 FEET		T201612501	DESIGNED BY: N. RIGOLINO			PD
			COUNTY SUSSEX	CHECKED BY: B. BEHRENS			SHEET NO. 271



CONDUIT RUN SCHEDULE

CR NO.	NO. OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
4	1	4"	-	T	NEW [DELDOT FIBER OPTIC] (CONT. FROM ADJACENT SHEET)
5	1	4"	70'	B	NEW [DELDOT FIBER OPTIC]
6	1	3"	10'	T	NEW [DELDOT FIBER OPTIC]
7	1	4"	225'	B	NEW [DELDOT FIBER OPTIC]
8	1	4"	380'	T	NEW [DELDOT FIBER OPTIC]
9	1	4"	215'	B	NEW [DELDOT FIBER OPTIC] (CONT. ON ADJACENT SHEET)
10	1	3"	10'	T	NEW #8/2 WIRE UF W/GROUND
11	1	2"	105'	T	NEW #8/2 WIRE UF W/GROUND
12	1	2"	5'	T	NEW #8/2 WIRE UF W/GROUND
13	1	2"	5'	T	NEW (3) #8 THHN STRANDED COPPER

SIGNAL POLE SCHEDULE

POLE NO.	POLE TYPE	HEIGHT	MATERIAL
1	DETECTOR	40'	STEEL

* DENOTES EXISTING
B = BORE, T = TRENCH,
O = OPEN CUT

ITMS LEGEND

CO X	EXISTING CONDUIT RUN IDENTIFIER (X = CONDUIT RUN NUMBER)
JW X	EXISTING JUNCTION WELL IDENTIFIER (X = TYPE OF JUNCTION WELL)
CO X	*PROPOSED CONDUIT RUN IDENTIFIER (X = CONDUIT RUN NUMBER)*
JW X	*PROPOSED JUNCTION WELL IDENTIFIER (X = TYPE OF JUNCTION WELL)*
PB X	*PROPOSED POLE BASE IDENTIFIER (X = TYPE OF POLE BASE)*
CA X	*PROPOSED CABINET IDENTIFIER (X = TYPE OF CABINET)*
PL X	*PROPOSED SIGNAL POLE IDENTIFIER (X = TYPE OF SIGNAL POLE)*

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

CONDUIT PLAN

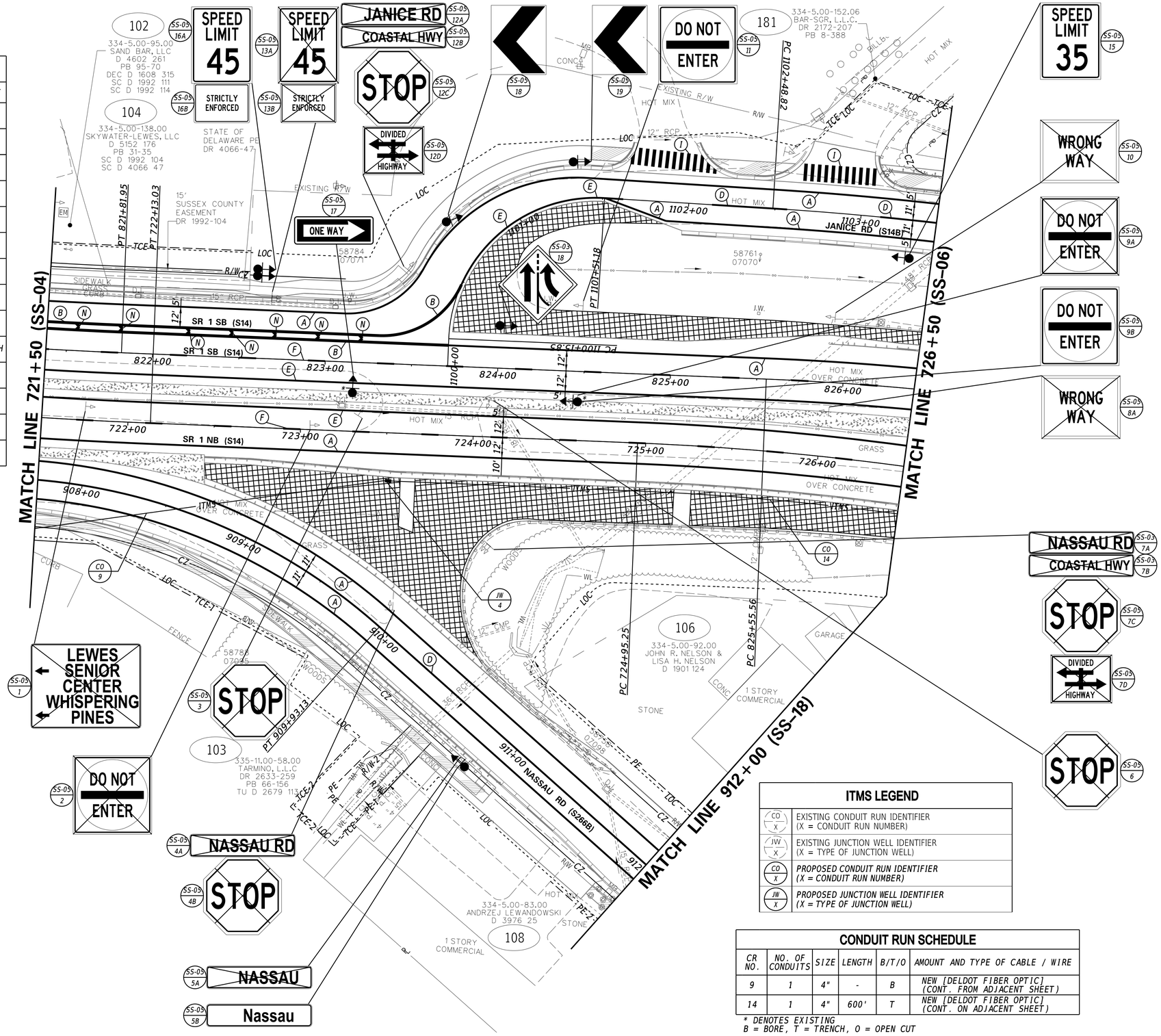
SS-04A
SECTION PD
SHEET NO. 272

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PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
A	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	2,798 LF
B	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 817043)	32 LF
D	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID DOUBLE LINE (ITEM 817042)	619 LF
E	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	1,107 LF
F	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 10' LINE & 30' GAP (ITEM 817042)	1,104 LF
G	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 3' LINE & 9' GAP (ITEM 817043)	0 LF
H	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 2' LINE & 2' GAP (ITEM 817043)	0 LF
I	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 817002)	446 SF
J	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 817002)	0 SF
K	PREFORMED THERMOPLASTIC PAVEMENT MARKING WHITE, BIKE SYMBOL (ITEM 817015)	1 EACH
L	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 6' GAP (ITEM 817042)	0 LF
M	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 2' LINE & 6' GAP (ITEM 817043)	0 LF
N	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 817006)	40 LF
O	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 2' GAP (ITEM 817042)	0 LF

* - SIGNS ARE BARRIER MOUNTED



ITMS LEGEND

CO X	EXISTING CONDUIT RUN IDENTIFIER (X = CONDUIT RUN NUMBER)
JW X	EXISTING JUNCTION WELL IDENTIFIER (X = TYPE OF JUNCTION WELL)
CO X	*PROPOSED CONDUIT RUN IDENTIFIER (X = CONDUIT RUN NUMBER)*
JW X	*PROPOSED JUNCTION WELL IDENTIFIER (X = TYPE OF JUNCTION WELL)*

CONDUIT RUN SCHEDULE

CR NO.	NO. OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
9	1	4"	-	B	NEW [DELDOT FIBER OPTIC] (CONT. FROM ADJACENT SHEET)
14	1	4"	600'	T	NEW [DELDOT FIBER OPTIC] (CONT. ON ADJACENT SHEET)

* DENOTES EXISTING
B = BORE, T = TRENCH, O = OPEN CUT

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

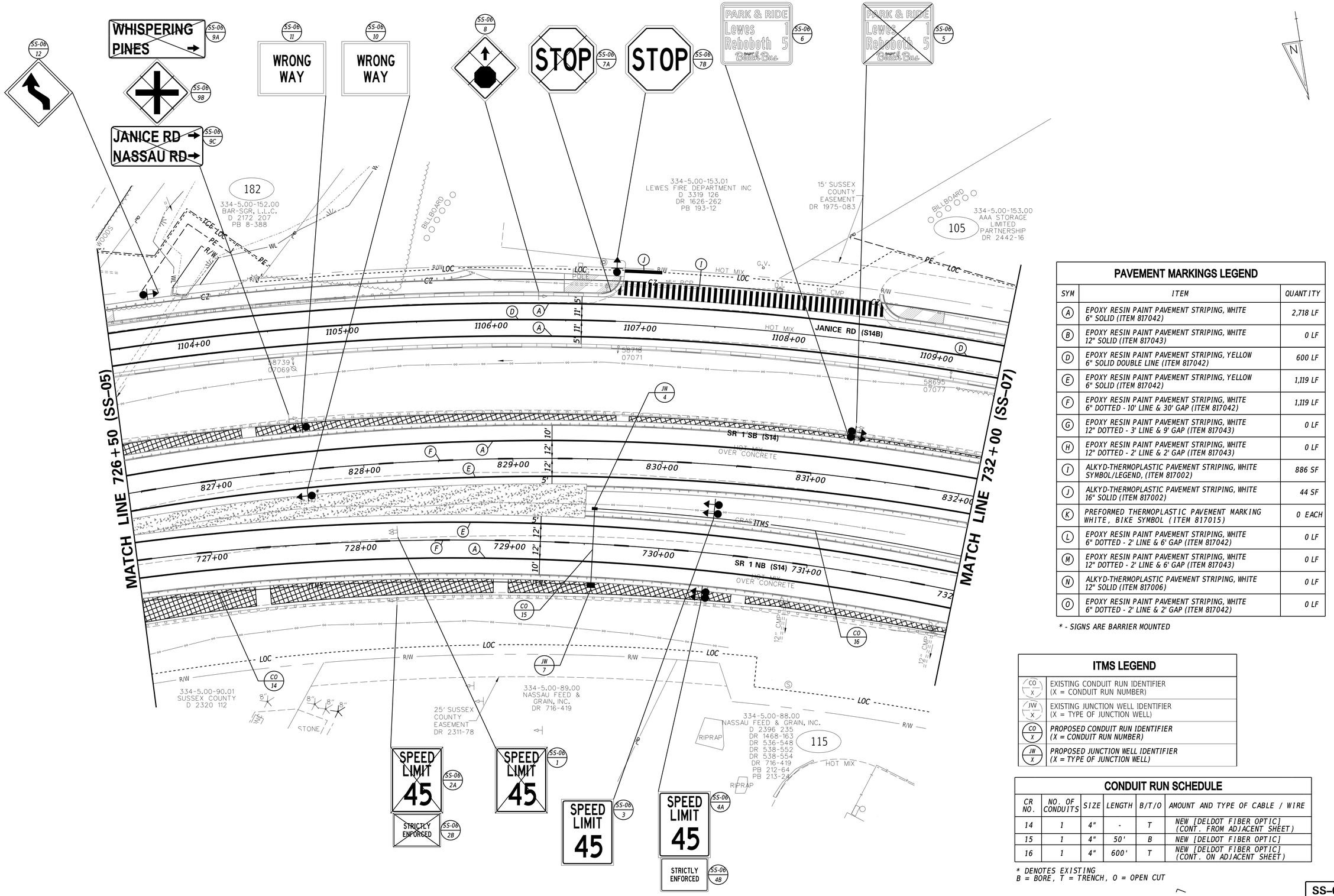
SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	T201612501
COUNTY	SUSSEX
BRIDGE NO.	X
DESIGNED BY: N. RIGOLINO	
CHECKED BY: B. BEHRENS	

SIGNING, STRIPING AND CONDUIT PLAN

SS-05 | SECTION PD | SHEET NO. 273

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PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	2,718 LF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 817043)	0 LF
(D)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID DOUBLE LINE (ITEM 817042)	600 LF
(E)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	1,119 LF
(F)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 10' LINE & 30' GAP (ITEM 817042)	1,119 LF
(G)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 3' LINE & 9' GAP (ITEM 817043)	0 LF
(H)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 2' LINE & 2' GAP (ITEM 817043)	0 LF
(I)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 817002)	886 SF
(J)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 817002)	44 SF
(K)	PREFORMED THERMOPLASTIC PAVEMENT MARKING WHITE, BIKE SYMBOL (ITEM 817015)	0 EACH
(L)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 6' GAP (ITEM 817042)	0 LF
(M)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 2' LINE & 6' GAP (ITEM 817043)	0 LF
(N)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 817006)	0 LF
(O)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 2' GAP (ITEM 817042)	0 LF

* - SIGNS ARE BARRIER MOUNTED

ITMS LEGEND

CO X	EXISTING CONDUIT RUN IDENTIFIER (X = CONDUIT RUN NUMBER)
JW X	EXISTING JUNCTION WELL IDENTIFIER (X = TYPE OF JUNCTION WELL)
CO X	*PROPOSED CONDUIT RUN IDENTIFIER (X = CONDUIT RUN NUMBER)*
JW X	*PROPOSED JUNCTION WELL IDENTIFIER (X = TYPE OF JUNCTION WELL)*

CONDUIT RUN SCHEDULE

CR NO.	NO. OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
14	1	4"	-	T	NEW [DELDOT FIBER OPTIC] (CONT. FROM ADJACENT SHEET)
15	1	4"	50'	B	NEW [DELDOT FIBER OPTIC]
16	1	4"	600'	T	NEW [DELDOT FIBER OPTIC] (CONT. ON ADJACENT SHEET)

* DENOTES EXISTING
B = BORE, T = TRENCH, O = OPEN CUT

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

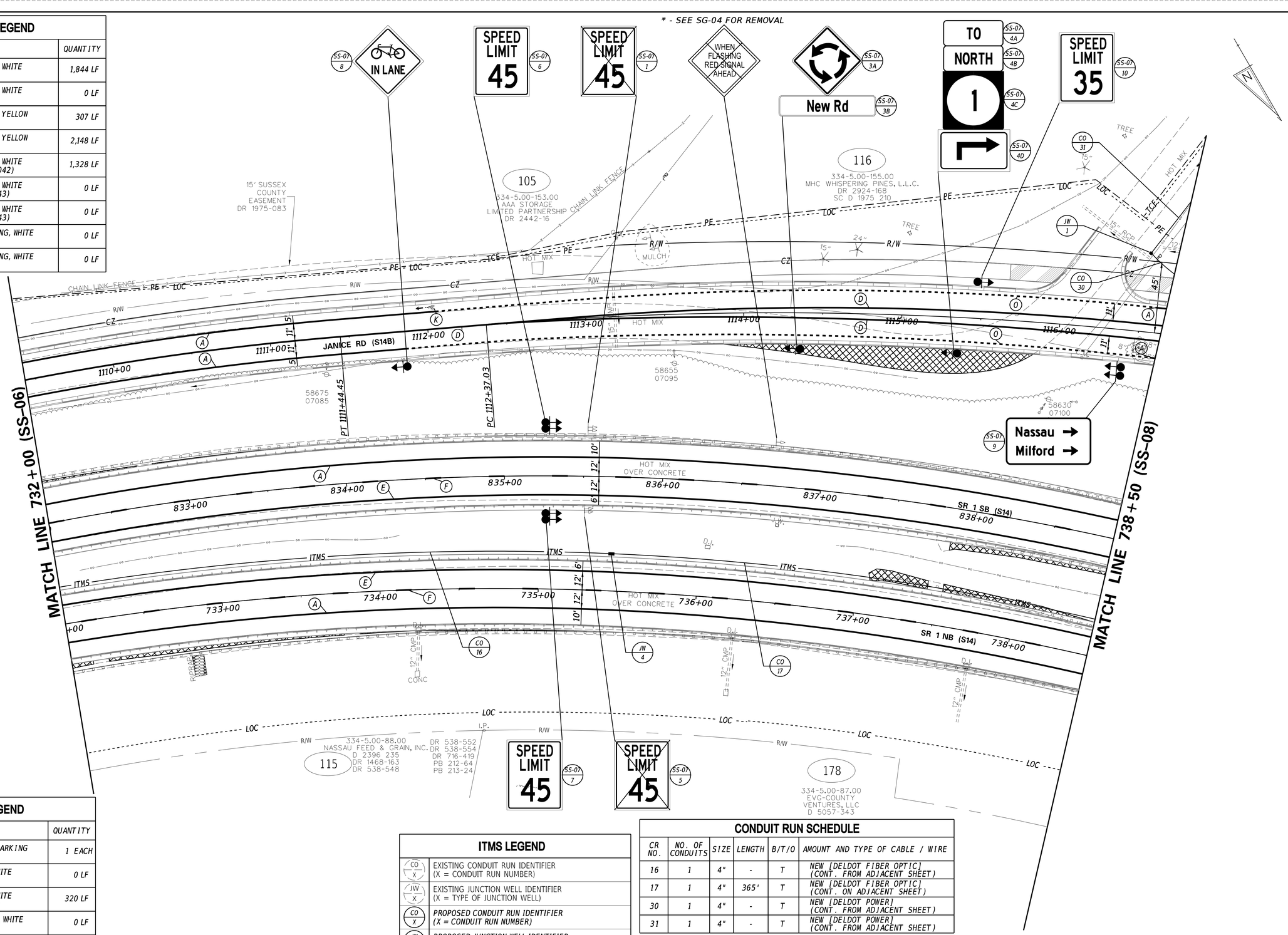
CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

SIGNING, STRIPING AND CONDUIT PLAN

SS-06
SECTION
PD
SHEET NO.
274

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PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	1,844 LF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 817043)	0 LF
(D)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID DOUBLE LINE (ITEM 817042)	307 LF
(E)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	2,148 LF
(F)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 10' LINE & 30' GAP (ITEM 817042)	1,328 LF
(G)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 3' LINE & 9' GAP (ITEM 817043)	0 LF
(H)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 2' LINE & 2' GAP (ITEM 817043)	0 LF
(I)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 817002)	0 LF
(J)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 817002)	0 LF



PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(K)	PREFORMED THERMOPLASTIC PAVEMENT MARKING WHITE, BIKE SYMBOL (ITEM 817015)	1 EACH
(L)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 6' GAP (ITEM 817042)	0 LF
(M)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 2' LINE & 6' GAP (ITEM 817043)	320 LF
(N)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 817006)	0 LF
(O)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 2' GAP (ITEM 817042)	926 LF

ITMS LEGEND	
CO X	EXISTING CONDUIT RUN IDENTIFIER (X = CONDUIT RUN NUMBER)
JW X	EXISTING JUNCTION WELL IDENTIFIER (X = TYPE OF JUNCTION WELL)
CO X	PROPOSED CONDUIT RUN IDENTIFIER (X = CONDUIT RUN NUMBER)
JW X	PROPOSED JUNCTION WELL IDENTIFIER (X = TYPE OF JUNCTION WELL)

CONDUIT RUN SCHEDULE					
CR NO.	NO. OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
16	1	4"	-	T	NEW [DELDOT FIBER OPTIC] (CONT. FROM ADJACENT SHEET)
17	1	4"	365'	T	NEW [DELDOT FIBER OPTIC] (CONT. ON ADJACENT SHEET)
30	1	4"	-	T	NEW [DELDOT POWER] (CONT. FROM ADJACENT SHEET)
31	1	4"	-	T	NEW [DELDOT POWER] (CONT. FROM ADJACENT SHEET)

* DENOTES EXISTING
B = BORE, T = TRENCH, O = OPEN CUT

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

SIGNING, STRIPING AND CONDUIT PLAN

SS-07 | SECTION PD | SHEET NO. 275

12-JUN-2024
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PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	1,963 LF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 817043)	340 LF
(D)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID DOUBLE LINE (ITEM 817042)	135 LF
(E)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	2,597 LF
(F)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 10' LINE & 30' GAP (ITEM 817042)	921 LF
(G)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 3' LINE & 9' GAP (ITEM 817043)	0 LF
(H)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 2' LINE & 2' GAP (ITEM 817043)	97 LF
(I)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 817002)	175 SF
(J)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 817002)	9 SF
(K)	PREFORMED THERMOPLASTIC PAVEMENT MARKING WHITE, BIKE SYMBOL (ITEM 817015)	2 EACH
(L)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 6' GAP (ITEM 817042)	0 LF
(M)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 2' LINE & 6' GAP (ITEM 817043)	75 LF
(N)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 817006)	0 LF
(O)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 2' GAP (ITEM 817042)	772 LF

Janice Rd
TO
SOUTH
1

New Rd
TO
NORTH
1

TO
NORTH
1

Janice Rd

TO
SOUTH
1

Nassau
Milford
Beaches

Service Road A

SPEED LIMIT 35

Beaches
Minos Conaway Rd

WELCOME TO DELAWARE'S BEACHES

Nassau Rd

SPEED LIMIT 25

STOP

YIELD

NO MOTOR VEHICLES

IN LANE

MAY USE FULL LANE

WHEN FLASHING RED SIGNAL AHEAD

* - SEE SG-04 FOR REMOVAL

JANICE RD (S14B)

SR 1 SB (S14)

SR 1 NB (S14)

NEW RD (S286)

SERVICE RD A

MATCH LINE 738+50 (SS-07)

MATCH LINE 743+00 (SS-09)

MATCH LINE 1006+00 (SS-19)

334-5.00-70.03
STATE OF DELAWARE
DEPARTMENT OF TRANSPORTATION
DR 5243-1

118

STATE OF DELAWARE, UPON THE RELATION OF THE SECRETARY OF THE DEPARTMENT OF TRANSPORTATION
D.R. D-202-109

119

334-5.00-70.02
STATE OF DELAWARE
DEPARTMENT OF TRANSPORTATION
D 3656 80
PB 127-87

334-5.00-73.00
ANDRZEJ LEWANDOWSKI
D 4350 202

162

334-5.00-72.00
HALSEY G. KNAPP &
JOAN D. KNAPP &
LESLIE GAY KNAPP, TRUSTEE
D 3405-67

125

PC 1004+74.57

PT 1119+16.20

HOT MIX OVER CONCRETE

WOODS

BILLBOARD

POST

CONC

RIPRAP

ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	SIGNING, STRIPING AND CONDUIT PLAN	SS-08
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SECTION PD
					CHECKED BY: B. BEHRENS		SHEET NO. 276

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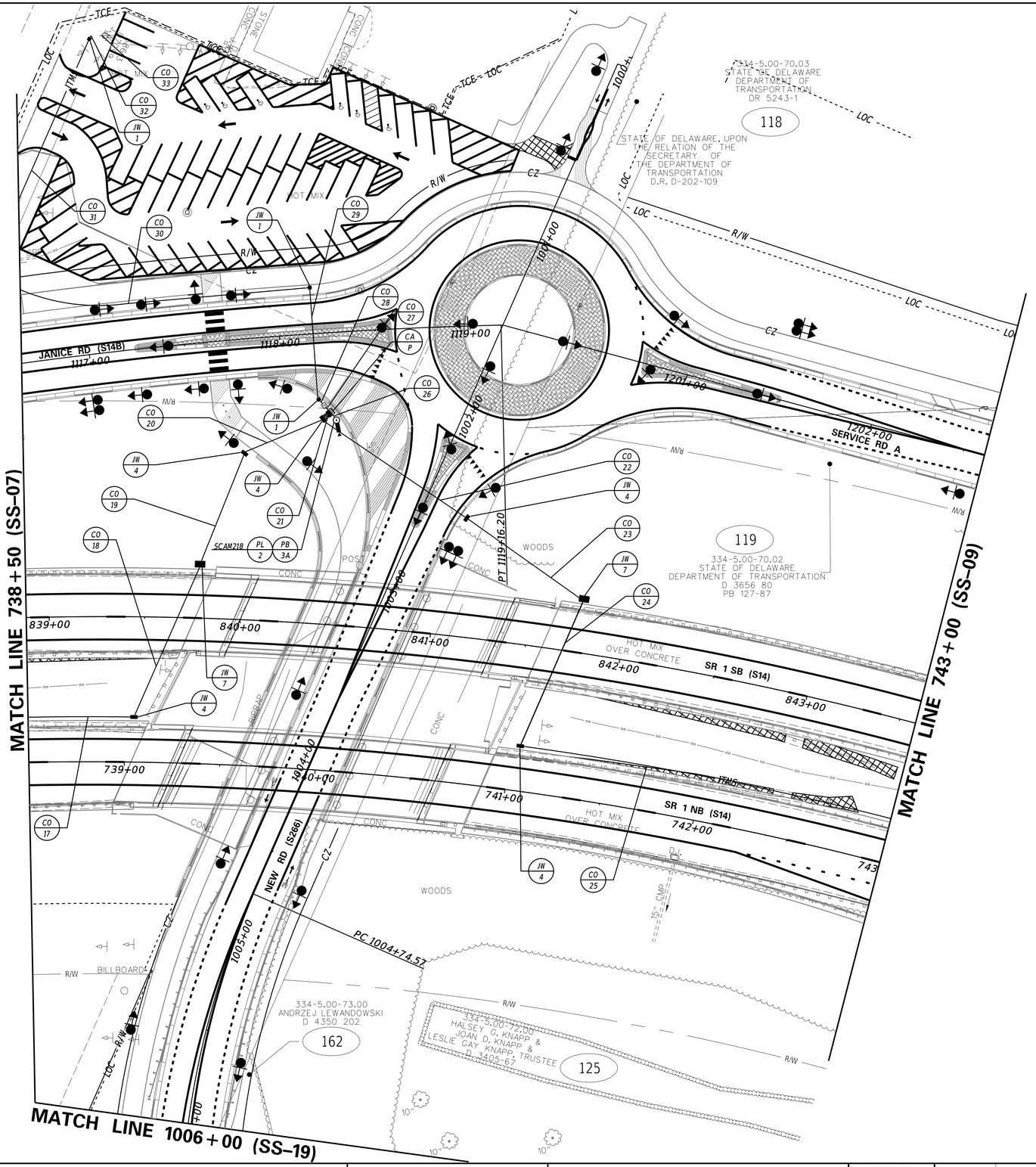
CONDUIT RUN SCHEDULE

CR NO.	NO. OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
17	1	4"	-	T	NEW [DELDOT FIBER OPTIC] (CONT. FROM ADJACENT SHEET)
18	1	4"	90'	B	NEW [DELDOT FIBER OPTIC]
19	1	4"	65'	B	NEW [DELDOT FIBER OPTIC]
20	1	4"	45'	B	NEW [DELDOT FIBER OPTIC]
21	4	4"	5'	T	NEW [DELDOT FIBER OPTIC]
22	1	4"	95'	B	NEW [DELDOT FIBER OPTIC]
23	1	4"	75'	B	NEW [DELDOT FIBER OPTIC]
24	1	4"	85'	B	NEW [DELDOT FIBER OPTIC]
25	1	4"	600'	T	NEW [DELDOT FIBER OPTIC] (CONT. ON ADJACENT SHEET)
26	1	3"	5'	T	NEW CAT5E CCTV CABLE
27	1	2"	5'	T	NEW #8/2 WIRE UF W/GROUND
28	1	2"	5'	T	NEW #8/2 WIRE UF W/GROUND
29	1	2"	60'	B	NEW #8/2 WIRE UF W/GROUND
30	1	2"	175'	T	NEW #8/2 WIRE UF W/GROUND (CONT. ON ADJACENT SHEET)
31	1	2"	135'	T	NEW #8/2 WIRE UF W/GROUND (CONT. ON ADJACENT SHEET)
32	1	2"	5'	T	NEW #8/2 WIRE UF W/GROUND
33	1	2"	10'	T	NEW (3) #8 THHN STRANDED COPPER

* DENOTES EXISTING
B = BORE, T = TRENCH, O = OPEN CUT

SIGNAL POLE SCHEDULE

POLE NO.	POLE TYPE	HEIGHT	MATERIAL
2	CCTV	75'	STEEL



ITMS LEGEND

CO X	EXISTING CONDUIT RUN IDENTIFIER (X = CONDUIT RUN NUMBER)
JW X	EXISTING JUNCTION WELL IDENTIFIER (X = TYPE OF JUNCTION WELL)
CO X	*PROPOSED CONDUIT RUN IDENTIFIER (X = CONDUIT RUN NUMBER)*
JW X	*PROPOSED JUNCTION WELL IDENTIFIER (X = TYPE OF JUNCTION WELL)*
PB X	*PROPOSED POLE BASE IDENTIFIER (X = TYPE OF POLE BASE)*
CA X	*PROPOSED CABINET IDENTIFIER (X = TYPE OF CABINET)*
PL X	*PROPOSED SIGNAL POLE IDENTIFIER (X = TYPE OF SIGNAL POLE)*

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

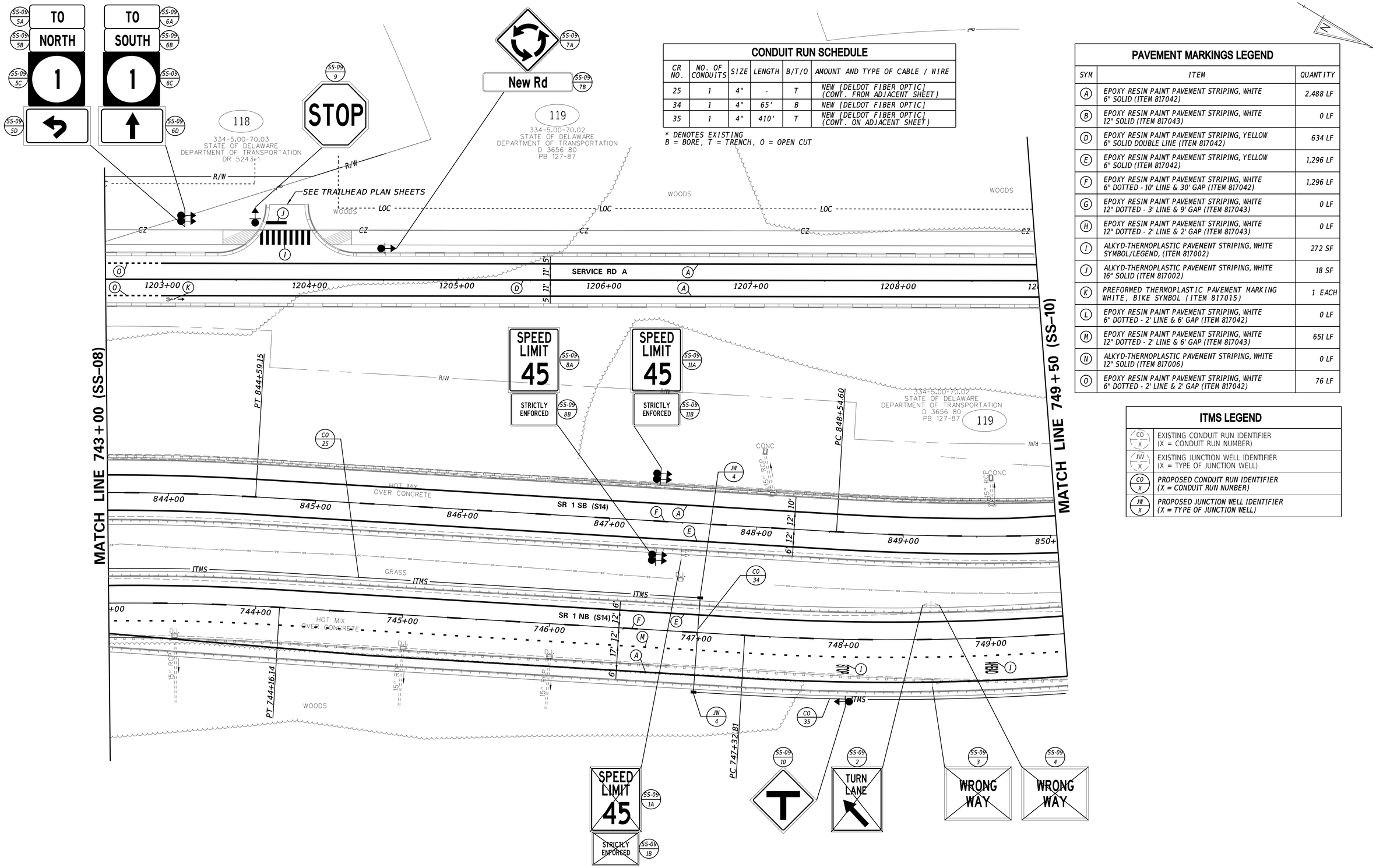
SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

CONDUIT PLAN

SS–08A	
SECTION	PD
SHEET NO.	277

12-JUN-2024
10:57
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CONDUIT RUN SCHEDULE

CR NO.	NO. OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
25	1	4"	-	T	NEW [DELDOT FIBER OPTIC] (CONT. FROM ADJACENT SHEET)
34	1	4"	65'	B	NEW [DELDOT FIBER OPTIC]
35	1	4"	410'	T	NEW [DELDOT FIBER OPTIC] (CONT. ON ADJACENT SHEET)

* DENOTES EXISTING
B = BORE, T = TRENCH, O = OPEN CUT

PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
A	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	2,488 LF
B	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 817043)	0 LF
D	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID DOUBLE LINE (ITEM 817042)	634 LF
E	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	1,296 LF
F	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 10' LINE & 30' GAP (ITEM 817042)	1,296 LF
G	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 3' LINE & 9' GAP (ITEM 817043)	0 LF
H	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 2' LINE & 2' GAP (ITEM 817043)	0 LF
I	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 817002)	272 SF
J	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 817002)	18 SF
K	PREFORMED THERMOPLASTIC PAVEMENT MARKING WHITE, BIKE SYMBOL (ITEM 817015)	1 EACH
L	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 6' GAP (ITEM 817042)	0 LF
M	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 2' LINE & 6' GAP (ITEM 817043)	651 LF
N	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 817006)	0 LF
O	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 2' GAP (ITEM 817042)	76 LF

ITMS LEGEND

CO X	EXISTING CONDUIT RUN IDENTIFIER (X = CONDUIT RUN NUMBER)
JW X	EXISTING JUNCTION WELL IDENTIFIER (X = TYPE OF JUNCTION WELL)
CO X	*PROPOSED CONDUIT RUN IDENTIFIER (X = CONDUIT RUN NUMBER)*
JW X	*PROPOSED JUNCTION WELL IDENTIFIER (X = TYPE OF JUNCTION WELL)*

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

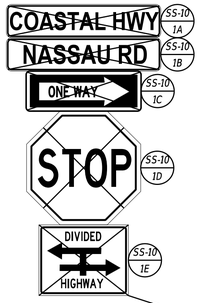
SIGNING, STRIPING AND CONDUIT PLAN

SS-09	
SECTION	PD
SHEET NO.	278

12-JUN-2024
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PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
A	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	3,799 LF
B	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 817043)	140 LF
D	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID DOUBLE LINE (ITEM 817042)	1,260 LF
E	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	1,284 LF
F	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 10' LINE & 30' GAP (ITEM 817042)	1,284 LF
G	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 3' LINE & 9' GAP (ITEM 817043)	0 LF
H	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 2' LINE & 2' GAP (ITEM 817043)	0 LF
I	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 817002)	16 SF
J	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 817002)	31 SF
K	PREFORMED THERMOPLASTIC PAVEMENT MARKING WHITE, BIKE SYMBOL (ITEM 817015)	0 EACH
L	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 6' GAP (ITEM 817042)	0 LF
M	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 2' LINE & 6' GAP (ITEM 817043)	59 LF
N	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 817006)	45 LF
O	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 2' GAP (ITEM 817042)	0 LF

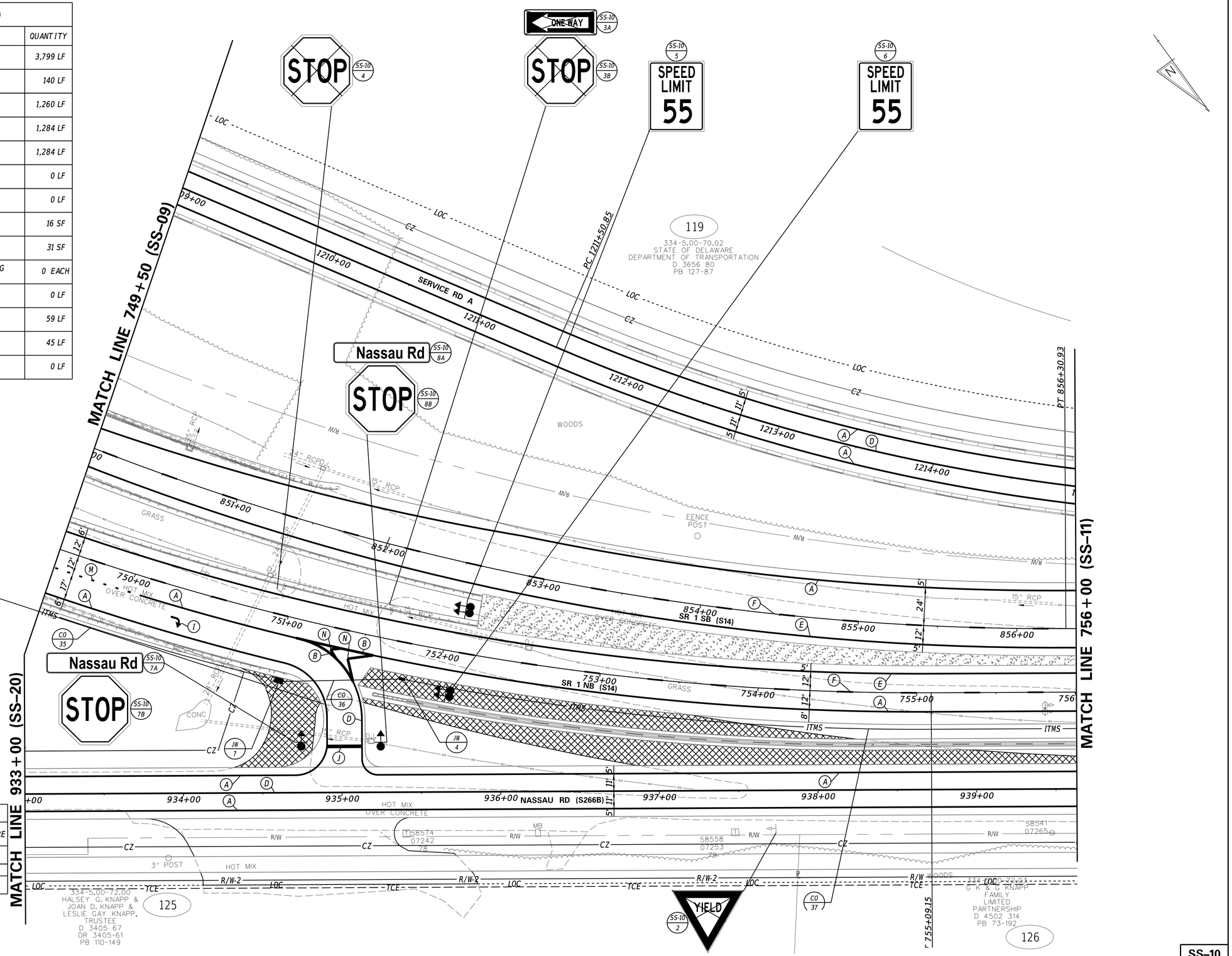


ITMS LEGEND

CO X	EXISTING CONDUIT RUN IDENTIFIER (X = CONDUIT RUN NUMBER)
JW X	EXISTING JUNCTION WELL IDENTIFIER (X = TYPE OF JUNCTION WELL)
CO X	PROPOSED CONDUIT RUN IDENTIFIER (X = CONDUIT RUN NUMBER)
JW X	PROPOSED JUNCTION WELL IDENTIFIER (X = TYPE OF JUNCTION WELL)

CONDUIT RUN SCHEDULE

CR NO.	NO. OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
35	1	4"	-	T	NEW [DELDOT FIBER OPTIC] (CONT. FROM ADJACENT SHEET)
36	1	4"	80'	B	NEW [DELDOT FIBER OPTIC]
37	1	4"	600'	T	NEW [DELDOT FIBER OPTIC] (CONT. ON ADJACENT SHEET)



ADDENDA / REVISIONS	SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	SIGNING, STRIPING AND CONDUIT PLAN	SS-10
			COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SECTION PD
				CHECKED BY: B. BEHRENS		SHEET NO. 279

12-JUN-2024
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PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
A	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	3,307 LF
B	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 817043)	0 LF
D	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID DOUBLE LINE (ITEM 817042)	1,139 LF
E	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	1,100 LF
F	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 10' LINE & 30' GAP (ITEM 817042)	1,100 LF
G	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 3' LINE & 9' GAP (ITEM 817043)	493 LF
H	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 2' LINE & 2' GAP (ITEM 817043)	0 LF
I	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 817002)	354 SF
J	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 817002)	35 SF
K	PREFORMED THERMOPLASTIC PAVEMENT MARKING WHITE, BIKE SYMBOL (ITEM 817015)	0 EACH
L	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 6' GAP (ITEM 817042)	0 LF

CONDUIT RUN SCHEDULE

CR NO.	NO. OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
37	1	4"	-	T	NEW [DELDOT FIBER OPTIC] (CONT. FROM ADJACENT SHEET)
38	1	4"	600'	T	NEW [DELDOT FIBER OPTIC] (CONT. ON ADJACENT SHEET)

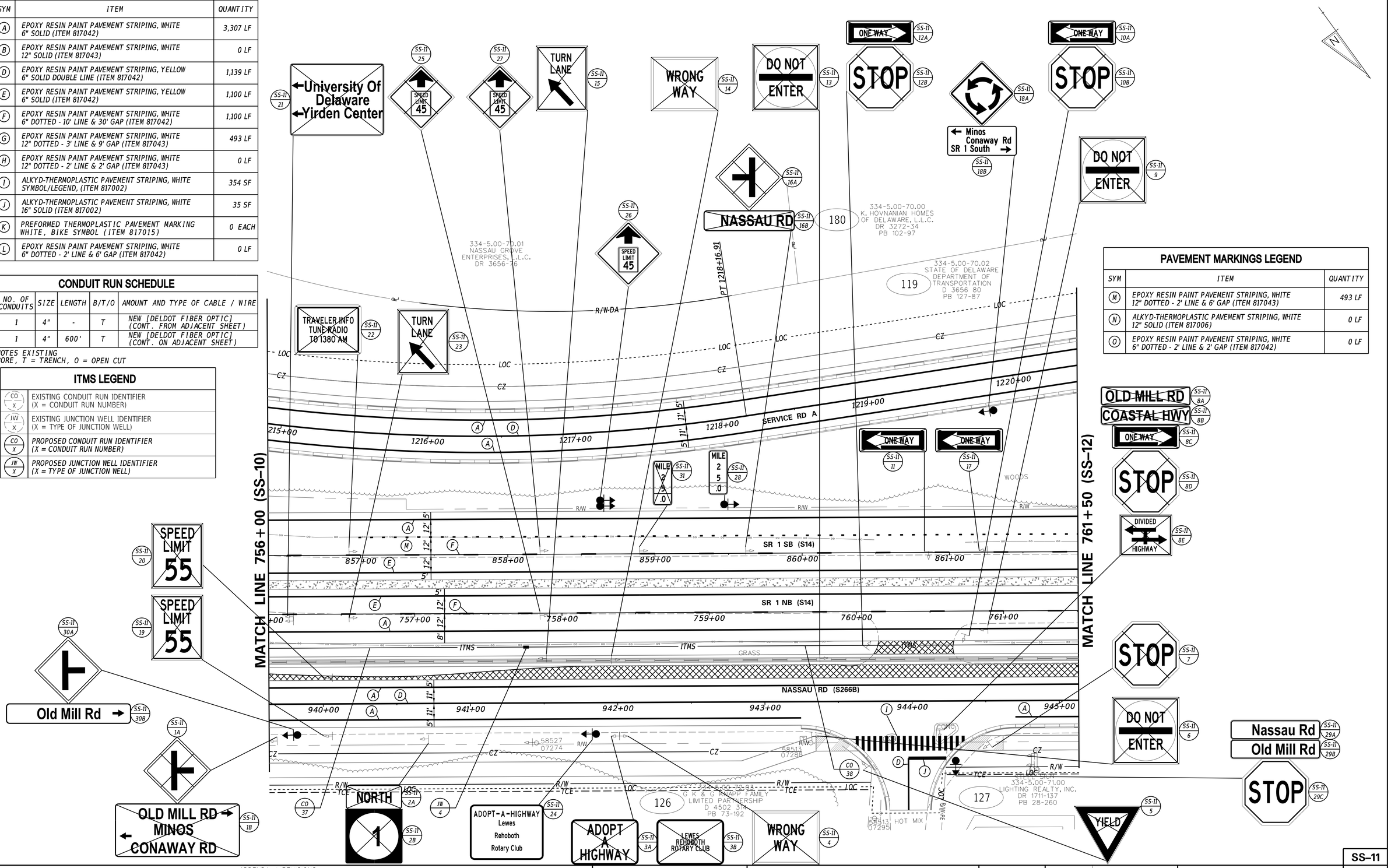
* DENOTES EXISTING
B = BORE, T = TRENCH, O = OPEN CUT

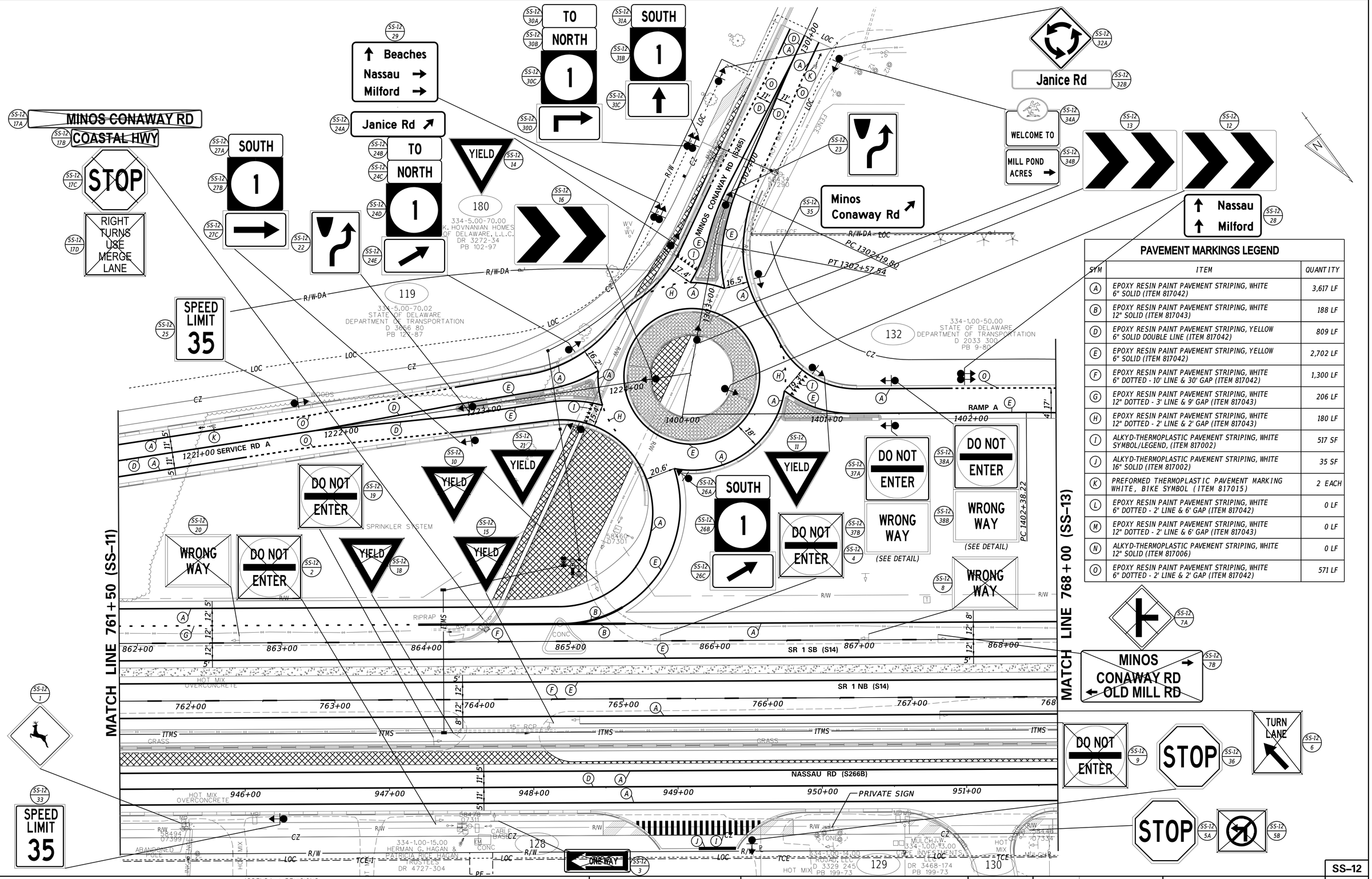
ITMS LEGEND

CO X	EXISTING CONDUIT RUN IDENTIFIER (X = CONDUIT RUN NUMBER)
JW X	EXISTING JUNCTION WELL IDENTIFIER (X = TYPE OF JUNCTION WELL)
CO X	PROPOSED CONDUIT RUN IDENTIFIER (X = CONDUIT RUN NUMBER)
JW X	PROPOSED JUNCTION WELL IDENTIFIER (X = TYPE OF JUNCTION WELL)

PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
M	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 2' LINE & 6' GAP (ITEM 817043)	493 LF
N	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 817006)	0 LF
O	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 2' GAP (ITEM 817042)	0 LF





PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
A	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	3,617 LF
B	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 817043)	188 LF
D	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID DOUBLE LINE (ITEM 817042)	809 LF
E	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	2,702 LF
F	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 10' LINE & 30' GAP (ITEM 817042)	1,300 LF
G	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 3' LINE & 9' GAP (ITEM 817043)	206 LF
H	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 2' LINE & 2' GAP (ITEM 817043)	180 LF
I	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 817002)	517 SF
J	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 817002)	35 SF
K	PREFORMED THERMOPLASTIC PAVEMENT MARKING WHITE, BIKE SYMBOL (ITEM 817015)	2 EACH
L	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 6' GAP (ITEM 817042)	0 LF
M	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 2' LINE & 6' GAP (ITEM 817043)	0 LF
N	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 817006)	0 LF
O	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 2' GAP (ITEM 817042)	571 LF

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	T201612501
COUNTY	SUSSEX
BRIDGE NO.	X
DESIGNED BY: N. RIGOLINO	
CHECKED BY: B. BEHRENS	

SIGNING, STRIPING AND CONDUIT PLAN

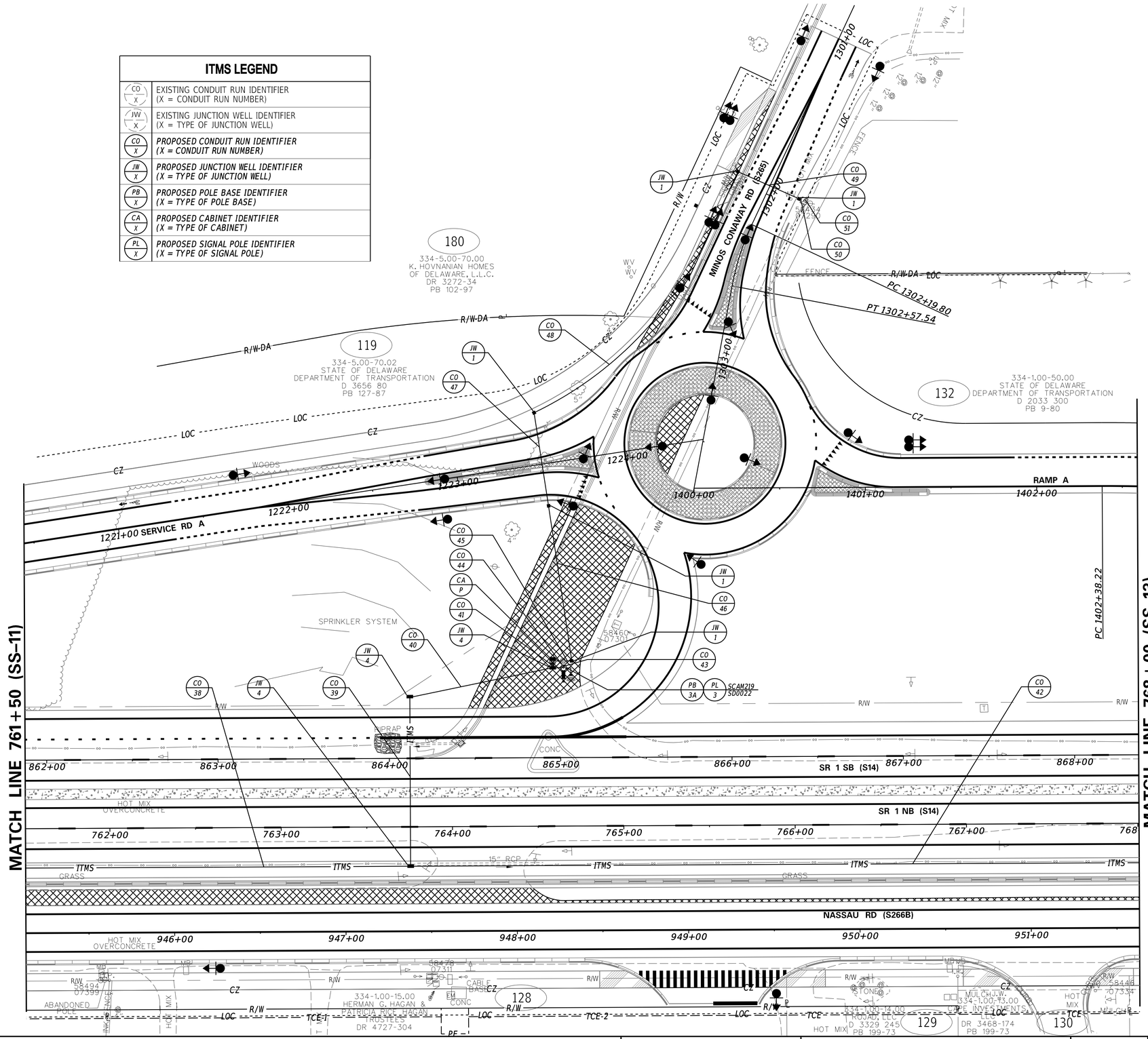
SS-12

SECTION	PD
SHEET NO.	281

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ITMS LEGEND

CO X	EXISTING CONDUIT RUN IDENTIFIER (X = CONDUIT RUN NUMBER)
JW X	EXISTING JUNCTION WELL IDENTIFIER (X = TYPE OF JUNCTION WELL)
CO X	*PROPOSED CONDUIT RUN IDENTIFIER (X = CONDUIT RUN NUMBER)*
JW X	*PROPOSED JUNCTION WELL IDENTIFIER (X = TYPE OF JUNCTION WELL)*
PB X	*PROPOSED POLE BASE IDENTIFIER (X = TYPE OF POLE BASE)*
CA X	*PROPOSED CABINET IDENTIFIER (X = TYPE OF CABINET)*
PL X	*PROPOSED SIGNAL POLE IDENTIFIER (X = TYPE OF SIGNAL POLE)*



CONDUIT RUN SCHEDULE

CR NO.	NO. OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
38	1	4"	-	T	NEW [DELDOT FIBER OPTIC] (CONT. FROM ADJACENT SHEET)
39	1	4"	100'	B	NEW [DELDOT FIBER OPTIC]
40	1	4"	85'	T	NEW [DELDOT FIBER OPTIC]
41	4	4"	5'	T	NEW CAT5E CCTV CABLE
42	1	4"	600'	T	NEW [DELDOT FIBER OPTIC] (CONT. ON ADJACENT SHEET)
43	1	3"	5'	T	NEW CAT5E CCTV CABLE
44	1	2"	5'	T	NEW #8/2 WIRE UF W/GROUND
45	1	2"	5'	T	NEW #8/2 WIRE UF W/GROUND
46	1	2"	95'	T	NEW #8/2 WIRE UF W/GROUND
47	1	2"	55'	T	NEW #8/2 WIRE UF W/GROUND
48	1	2"	190'	T	NEW #8/2 WIRE UF W/GROUND
49	1	2"	40'	B	NEW #8/2 WIRE UF W/GROUND
50	1	2"	5'	T	NEW #8/2 WIRE UF W/GROUND
51	1	2"	5'	T	NEW (3) #8 THHN STRANDED COPPER

** DENOTES EXISTING*
B = BORE, T = TRENCH, O = OPEN CUT

SIGNAL POLE SCHEDULE

POLE NO.	POLE TYPE	HEIGHT	MATERIAL
3	CCTV	75'	STEEL

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	T201612501
COUNTY	SUSSEX
BRIDGE NO.	X
DESIGNED BY: N. RIGOLINO	
CHECKED BY: B. BEHRENS	

CONDUIT PLAN

	SS-12A
SECTION	PD
SHEET NO.	282

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CONDUIT RUN SCHEDULE

CR NO.	NO. OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
42	1	4"	-	T	NEW [DELDOT FIBER OPTIC] (CONT. FROM ADJACENT SHEET)
52	1	4"	85'	B	NEW [DELDOT FIBER OPTIC]
53	1	4"	315'	T	NEW [DELDOT FIBER OPTIC]
54	1	4"	45'	B	NEW [DELDOT FIBER OPTIC]
55	1	4"	600'	T	NEW [DELDOT FIBER OPTIC] (CONT. ON ADJACENT SHEET)

* DENOTES EXISTING
B = BORE, T = TRENCH, O = OPEN CUT

ITMS LEGEND

CO X	EXISTING CONDUIT RUN IDENTIFIER (X = CONDUIT RUN NUMBER)
JW X	EXISTING JUNCTION WELL IDENTIFIER (X = TYPE OF JUNCTION WELL)
CO X	PROPOSED CONDUIT RUN IDENTIFIER (X = CONDUIT RUN NUMBER)
JW X	PROPOSED JUNCTION WELL IDENTIFIER (X = TYPE OF JUNCTION WELL)

PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
A	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	2,864 LF
B	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 817043)	355 LF
D	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID DOUBLE LINE (ITEM 817042)	649 LF
E	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	1,834 LF
F	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 10' LINE & 30' GAP (ITEM 817042)	1,301 LF
G	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 3' LINE & 9' GAP (ITEM 817043)	0 LF
H	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 2' LINE & 2' GAP (ITEM 817043)	0 LF
I	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 817002)	36 SF
J	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 817002)	0 SF
K	PREFORMED THERMOPLASTIC PAVEMENT MARKING WHITE, BIKE SYMBOL (ITEM 817015)	0 EACH
L	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 6' GAP (ITEM 817042)	0 LF
M	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 2' LINE & 6' GAP (ITEM 817043)	0 LF
N	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 817006)	96 LF
O	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 2' GAP (ITEM 817042)	270 LF

TO NORTH 1 (SS-13 7A, 7B, 7C, 7D)
SOUTH 1 (SS-13 6A, 6B, 6C)
SR 1 South Minos Conaway Rd (SS-13 5A, 5B)
WRONG WAY (SS-13 10)
WRONG WAY (SS-13 9)
RED RECESSED PAVEMENT MARKER (15) (SEE DETAIL)
SPEED LIMIT 35 (SS-13 8)
RAMP 35 MPH (SS-13 4)
PT 1404+61.44
PC 1407+92.65
PT 1409+24.24
RAMP A
CZ
ITMS
R/W
LOC
TCE
HOT MIX OVER CONCRETE
GRASS
WELL
WOOD
FLAG POLE
PRIVATE SIGN
MATCH LINE 768+00 (SS-12)
MATCH LINE 774+50 (SS-14)
SR 1 SB (S14)
SR 1 NB (S14)
NASSAU RD (S266B)
TURN LANE (SS-13 1)
WELCOME TO MILL POND ACRES (SS-13 2A, 2B)
WRONG WAY (SS-13 3)
334-1.00-12.00 CAPE INVESTMENTS, LLC D 3410 101 PB 199-73 — 131
150 — 334-1.00-11.00 DF VECHERY, LLC D 5180-49 DPL DB 1871 5 DEC DB 908 334
151 — 334-1.00-10.00 CLYDE E. SEIBERT & LORETTA L. SEIBERT
152 — 334-1.00-9.00 J.G. TOWNSEND, JR & CO. DR 369-26 DR 333-401
58429 07346
58413 07359
58397 07372

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	T201612501
COUNTY	SUSSEX
BRIDGE NO.	X
DESIGNED BY: N. RIGOLINO	
CHECKED BY: B. BEHRENS	

SIGNING, STRIPING AND CONDUIT PLAN

SS-13 | SECTION PD | SHEET NO. 283

12-JUN-2024
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CONDUIT RUN SCHEDULE

CR NO.	NO. OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
55	1	4"	-	T	NEW [DELDOT FIBER OPTIC] (CONT. FROM ADJACENT SHEET)
56	1	4"	400'	T	NEW [DELDOT FIBER OPTIC] (CONT. ON ADJACENT SHEET)

** DENOTES EXISTING*
B = BORE, T = TRENCH, O = OPEN CUT

ITMS LEGEND

CO X	EXISTING CONDUIT RUN IDENTIFIER (X = CONDUIT RUN NUMBER)
JW X	EXISTING JUNCTION WELL IDENTIFIER (X = TYPE OF JUNCTION WELL)
CO X	*PROPOSED CONDUIT RUN IDENTIFIER (X = CONDUIT RUN NUMBER)*
JW X	*PROPOSED JUNCTION WELL IDENTIFIER (X = TYPE OF JUNCTION WELL)*

PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
A	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	2,800 LF
B	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 817043)	95 LF
D	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID DOUBLE LINE (ITEM 817042)	700 LF
E	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	1,400 LF
F	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 10' LINE & 30' GAP (ITEM 817042)	1,400 LF
G	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 3' LINE & 9' GAP (ITEM 817043)	0 LF
H	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 2' LINE & 2' GAP (ITEM 817043)	0 LF
I	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 817002)	260 SF
J	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 817002)	22 SF
K	PREFORMED THERMOPLASTIC PAVEMENT MARKING WHITE, BIKE SYMBOL (ITEM 817015)	0 EACH
L	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 6' GAP (ITEM 817042)	0 LF
M	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 2' LINE & 6' GAP (ITEM 817043)	577 LF
N	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 817006)	0 LF
O	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 2' GAP (ITEM 817042)	0 LF

DEVON RD (SS-14 16A)
ONE WAY (SS-14 16B)
STOP (SS-14 16C)
DIVIDED HIGHWAY (SS-14 16D)
EXIT 40 Nassau
GM-3 NEW GROUND MOUNTED SIGN 9'-6" X 2'-6" 4'-0"X13'-0"
DO NOT ENTER (SS-14 15)
WRONG WAY (SS-14 13)
35 MPH (SS-14 12B)
WELCOME TO Mill Pond Acres (SS-14 11A, 11B)
GREYSTONE MANOR (SS-14 10A)
MILL CREEK MANOR (SS-14 10B)
TURN LANE (SS-14 10C)
EXIT 35 MPH (SS-14 9)
Mill Creek Rd (SS-14 7A)
STOP (SS-14 7B)
GREYSTONE MANOR (SS-14 8A)
Greystone Manor (SS-14 8B)
Nassau Rd (SS-14 7C)
Mill Creek Rd (SS-14 7D)
STOP (SS-14 7E)
DO NOT ENTER (SS-14 1)
YIELD (SS-14 2)
DO NOT ENTER (SS-14 3)
ONE WAY (SS-14 4)
YIELD (SS-14 5)
DO NOT ENTER (SS-14 6)

138 — 334-1.00-44.00 STATE OF DELAWARE DEPARTMENT OF TRANSPORTATION D 2033 300 PB 9-80
139 — 334-1.00-43.00 STATE OF DELAWARE DEPARTMENT OF TRANSPORTATION D 2033 300 PB 9-80
140 — 334-1.00-42.00 STATE OF DELAWARE DEPARTMENT OF TRANSPORTATION D 2033 300 PB 9-80
141 — 334-1.00-41.00 STATE OF DELAWARE DEPARTMENT OF TRANSPORTATION D 2033 300 PB 9-80
142 — 334-1.00-40.00 STATE OF DELAWARE DEPARTMENT OF TRANSPORTATION D 2033 300 PB 9-80
143 — 334-1.00-39.00 STATE OF DELAWARE DEPARTMENT OF TRANSPORTATION D 2033 300 PB 9-80
144 — 334-1.00-38.00 STATE OF DELAWARE DEPARTMENT OF TRANSPORTATION D 2033 300 PB 9-80
152 — 334-1.00-9.00 J.G. TOWNSEND, JR & CO. DR 369-26 DR 333-401
153 — 334-1.00-7.01 SHARON L. SHERWOOD & VAN SHERWOOD, H/W D 3863 1 DPL DR 523-338
154 — 334-1.00-7.00 SUSAN WATTENBARGER DR 1549-103 WR 15575 PB 14-55 DPL DR 523-338 DST DR 884-210
155 — 334-1.00-207.00 ROBERT D. LANGTON & MARY LEE LANGTON D 3637 326 PB 14-55 DPL DR 523-338 DST DR 884-210
156 — 334-1.00-6.02 SARAH CATHERINE HASTINGS, TRUSTEE & ELIZABETH KATHALEEN PANUSKA D 4183 136 PB 44-74 DEC DR 4152-223 TU D 2033 70

MATCH LINE 774+50 (SS-13)
MATCH LINE 781+50 (SS-15)
RAMP A
NASSAU RD (S266B)
SR 1 SB (S14)
SR 1 NB (S14)
PC 876+99.46
PT 775+93.86
PT 876+31.47
HOT MIX OVER CONCRETE
HOT MIX
GRASS
WOODS
CONC
STONE
875+00 876+00 877+00 878+00 879+00 880+00 881+00
775+00 776+00 777+00 778+00 779+00 780+00 781+00
959+00 960+00 961+00 962+00 963+00 964+00 965+00

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

SIGNING, STRIPING AND CONDUIT PLAN

SS-14	
SECTION	PD
SHEET NO.	284

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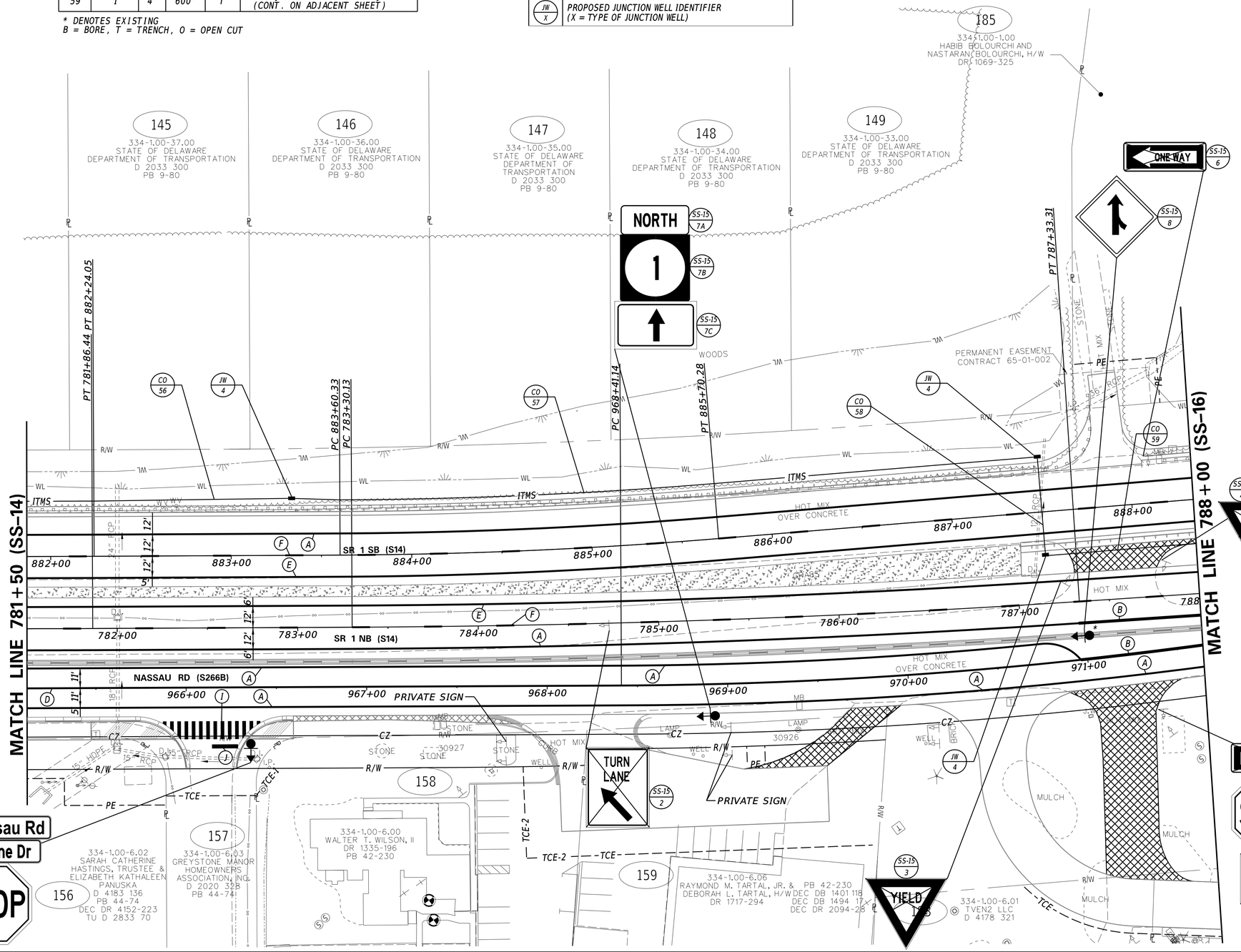
CONDUIT RUN SCHEDULE

CR NO.	NO. OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
56	1	4"	-	T	NEW [DELDOT FIBER OPTIC] (CONT. FROM ADJACENT SHEET)
57	1	4"	420'	T	NEW [DELDOT FIBER OPTIC]
58	1	4"	55'	B	NEW [DELDOT FIBER OPTIC]
59	1	4"	600'	T	NEW [DELDOT FIBER OPTIC] (CONT. ON ADJACENT SHEET)

* DENOTES EXISTING
B = BORE, T = TRENCH, O = OPEN CUT

ITMS LEGEND

CO X	EXISTING CONDUIT RUN IDENTIFIER (X = CONDUIT RUN NUMBER)
JW X	EXISTING JUNCTION WELL IDENTIFIER (X = TYPE OF JUNCTION WELL)
CO X	*PROPOSED CONDUIT RUN IDENTIFIER (X = CONDUIT RUN NUMBER)*
JW X	*PROPOSED JUNCTION WELL IDENTIFIER (X = TYPE OF JUNCTION WELL)*



PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
A	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	1,940 LF
B	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 817043)	698 LF
D	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID DOUBLE LINE (ITEM 817042)	323 LF
E	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	1,293 LF
F	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 10' LINE & 30' GAP (ITEM 817042)	1,293 LF
G	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 3' LINE & 9' GAP (ITEM 817043)	0 LF
H	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 2' LINE & 2' GAP (ITEM 817043)	0 LF
I	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 817002)	238 SF
J	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 817002)	25 SF
K	PREFORMED THERMOPLASTIC PAVEMENT MARKING WHITE, BIKE SYMBOL (ITEM 817015)	0 EACH
L	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 6' GAP (ITEM 817042)	0 LF
M	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 2' LINE & 6' GAP (ITEM 817043)	0 LF
N	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 817006)	0 LF
O	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 2' GAP (ITEM 817042)	0 LF

* - SIGNS ARE BARRIER MOUNTED

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

SIGNING, STRIPING AND CONDUIT PLAN

SS-15	
SECTION	PD
SHEET NO.	285

12-JUN-2024
11:10
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CONDUIT RUN SCHEDULE

CR NO.	NO. OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
59	1	4"	-	T	NEW [DELDOT FIBER OPTIC] (CONT. FROM ADJACENT SHEET)
60	1	4"	600'	T	NEW [DELDOT FIBER OPTIC] (CONT. ON ADJACENT SHEET)

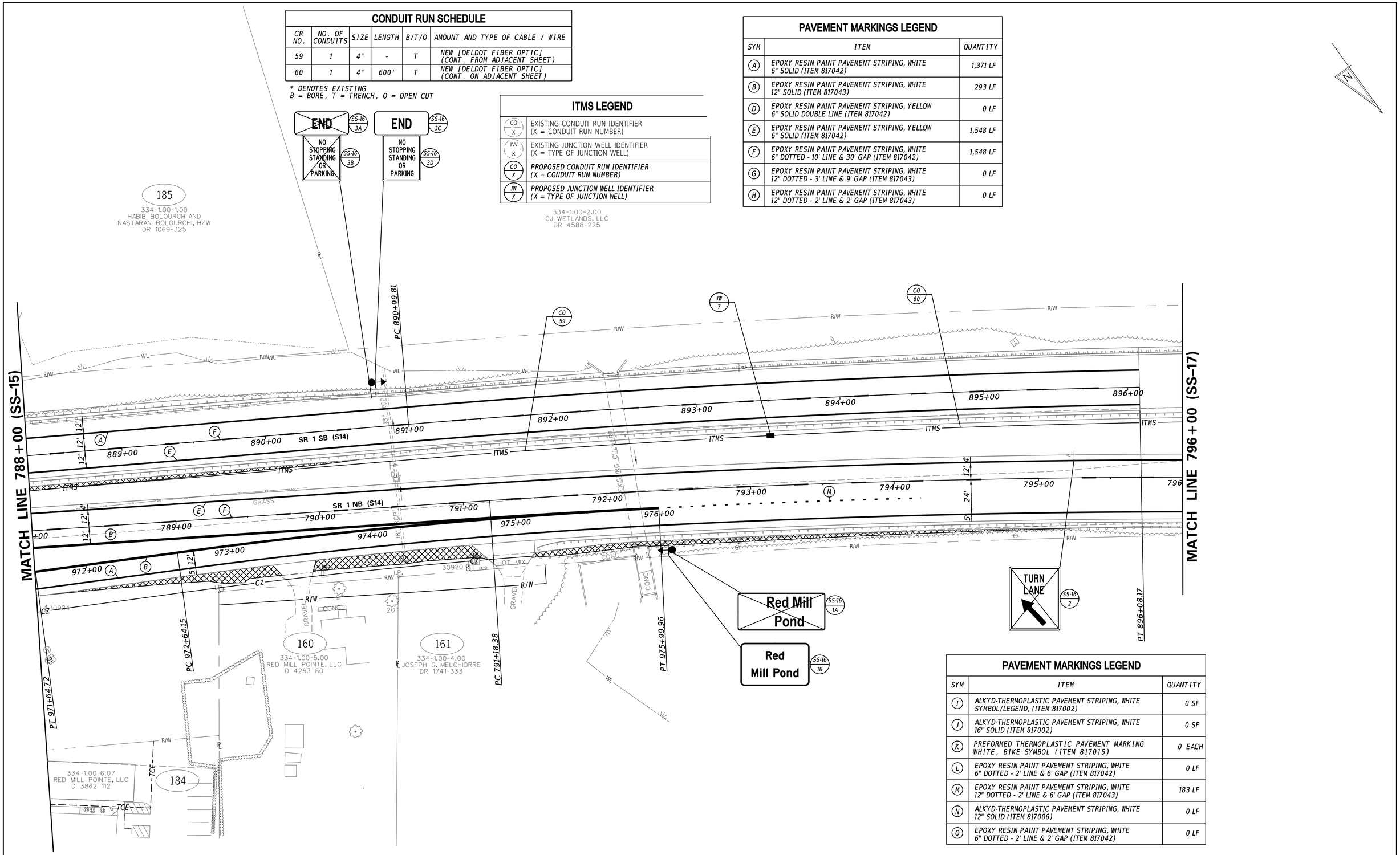
* DENOTES EXISTING
B = BORE, T = TRENCH, O = OPEN CUT

ITMS LEGEND

CO X	EXISTING CONDUIT RUN IDENTIFIER (X = CONDUIT RUN NUMBER)
JW X	EXISTING JUNCTION WELL IDENTIFIER (X = TYPE OF JUNCTION WELL)
CO X	*PROPOSED CONDUIT RUN IDENTIFIER (X = CONDUIT RUN NUMBER)*
JW X	*PROPOSED JUNCTION WELL IDENTIFIER (X = TYPE OF JUNCTION WELL)*

PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
A	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	1,371 LF
B	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 817043)	293 LF
D	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID DOUBLE LINE (ITEM 817042)	0 LF
E	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	1,548 LF
F	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 10' LINE & 30' GAP (ITEM 817042)	1,548 LF
G	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 3' LINE & 9' GAP (ITEM 817043)	0 LF
H	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 2' LINE & 2' GAP (ITEM 817043)	0 LF



PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
I	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 817002)	0 SF
J	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 817002)	0 SF
K	PREFORMED THERMOPLASTIC PAVEMENT MARKING WHITE, BIKE SYMBOL (ITEM 817015)	0 EACH
L	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 6' GAP (ITEM 817042)	0 LF
M	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 2' LINE & 6' GAP (ITEM 817043)	183 LF
N	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 817006)	0 LF
O	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 2' GAP (ITEM 817042)	0 LF

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

SIGNING, STRIPING AND CONDUIT PLAN

SS-16	
SECTION	PD
SHEET NO.	286

21-AUG-2024
21:42
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CONDUIT RUN SCHEDULE

CR NO.	NO. OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
60	1	4"	-	T	NEW [DELDOT FIBER OPTIC] (CONT. FROM PREVIOUS SHEET)
61	1	4"	385'	T	NEW [DELDOT FIBER OPTIC]

* DENOTES EXISTING
B = BORE, T = TRENCH, O = OPEN CUT

ITMS LEGEND

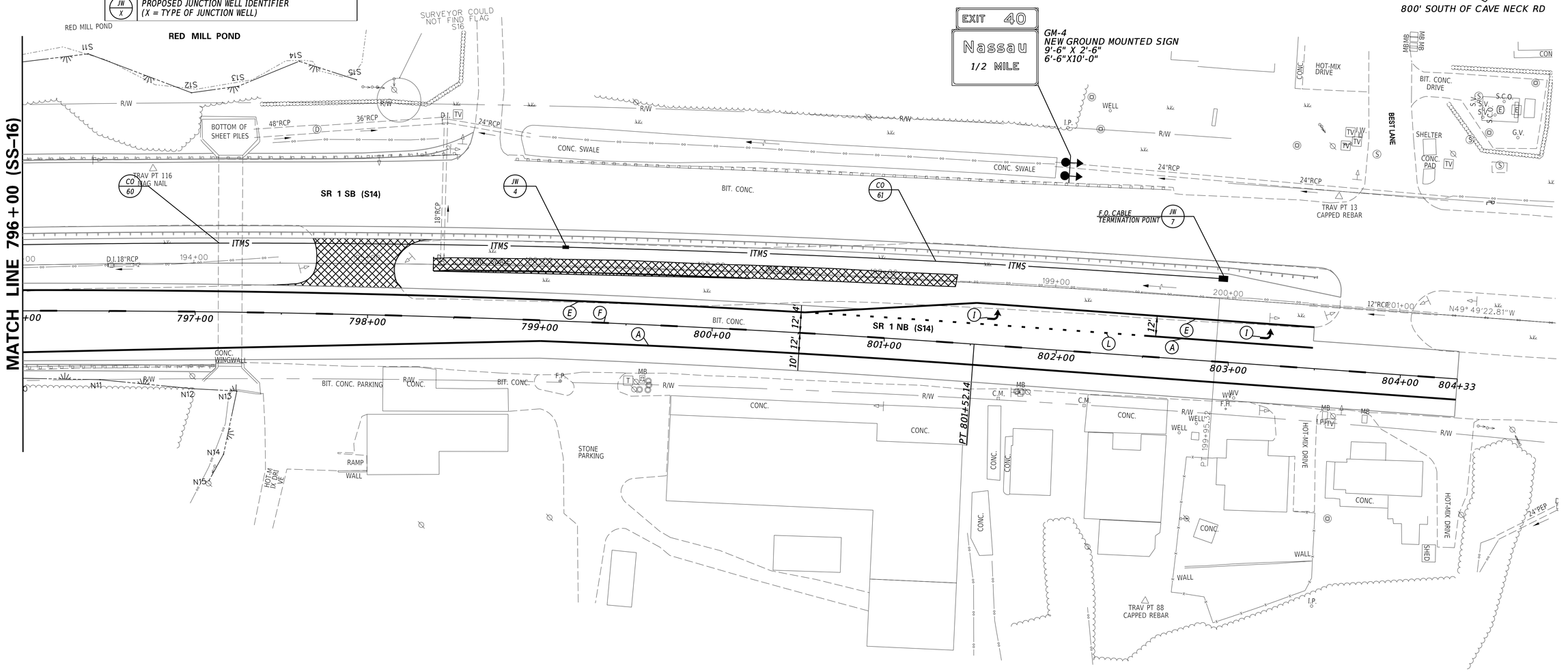
CO X	EXISTING CONDUIT RUN IDENTIFIER (X = CONDUIT RUN NUMBER)
JW X	EXISTING JUNCTION WELL IDENTIFIER (X = TYPE OF JUNCTION WELL)
CO X	PROPOSED CONDUIT RUN IDENTIFIER (X = CONDUIT RUN NUMBER)
JW X	PROPOSED JUNCTION WELL IDENTIFIER (X = TYPE OF JUNCTION WELL)

PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
A	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	931 LF
B	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 817043)	0 LF
D	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID DOUBLE LINE (ITEM 817042)	0 LF
E	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	455 LF
F	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 10' LINE & 30' GAP (ITEM 817042)	835 LF
G	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 3' LINE & 9' GAP (ITEM 817043)	0 LF
H	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 2' LINE & 2' GAP (ITEM 817043)	0 LF

PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
I	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 817002)	32 SF
J	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 817002)	0 SF
K	PREFORMED THERMOPLASTIC PAVEMENT MARKING WHITE, BIKE SYMBOL (ITEM 817015)	0 EACH
L	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 6' GAP (ITEM 817042)	198 LF
M	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 2' LINE & 6' GAP (ITEM 817043)	0 LF
N	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 817006)	0 LF
O	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 2' GAP (ITEM 817042)	0 LF



ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO. 3-719
T201612501	DESIGNED BY: N. RIGOLINO
COUNTY	CHECKED BY: B. BEHRENS
SUSSEX	

SIGNING, STRIPING AND CONDUIT PLAN

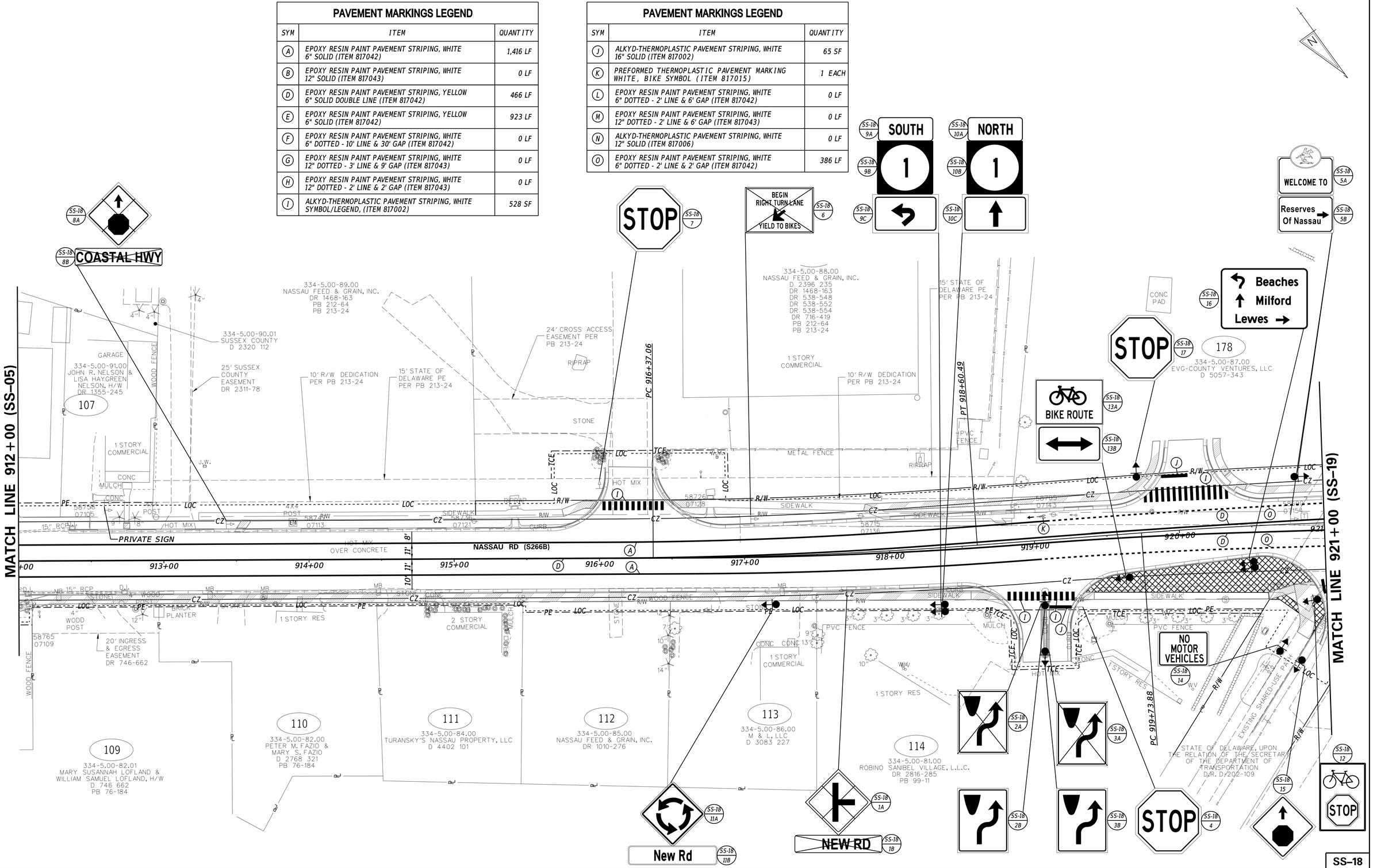
SS-17	
SECTION	PD
SHEET NO.	287

PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
A	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	1,416 LF
B	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 817043)	0 LF
D	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID DOUBLE LINE (ITEM 817042)	466 LF
E	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	923 LF
F	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 10' LINE & 30' GAP (ITEM 817042)	0 LF
G	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 3' LINE & 9' GAP (ITEM 817043)	0 LF
H	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 2' LINE & 2' GAP (ITEM 817043)	0 LF
I	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 817002)	528 SF

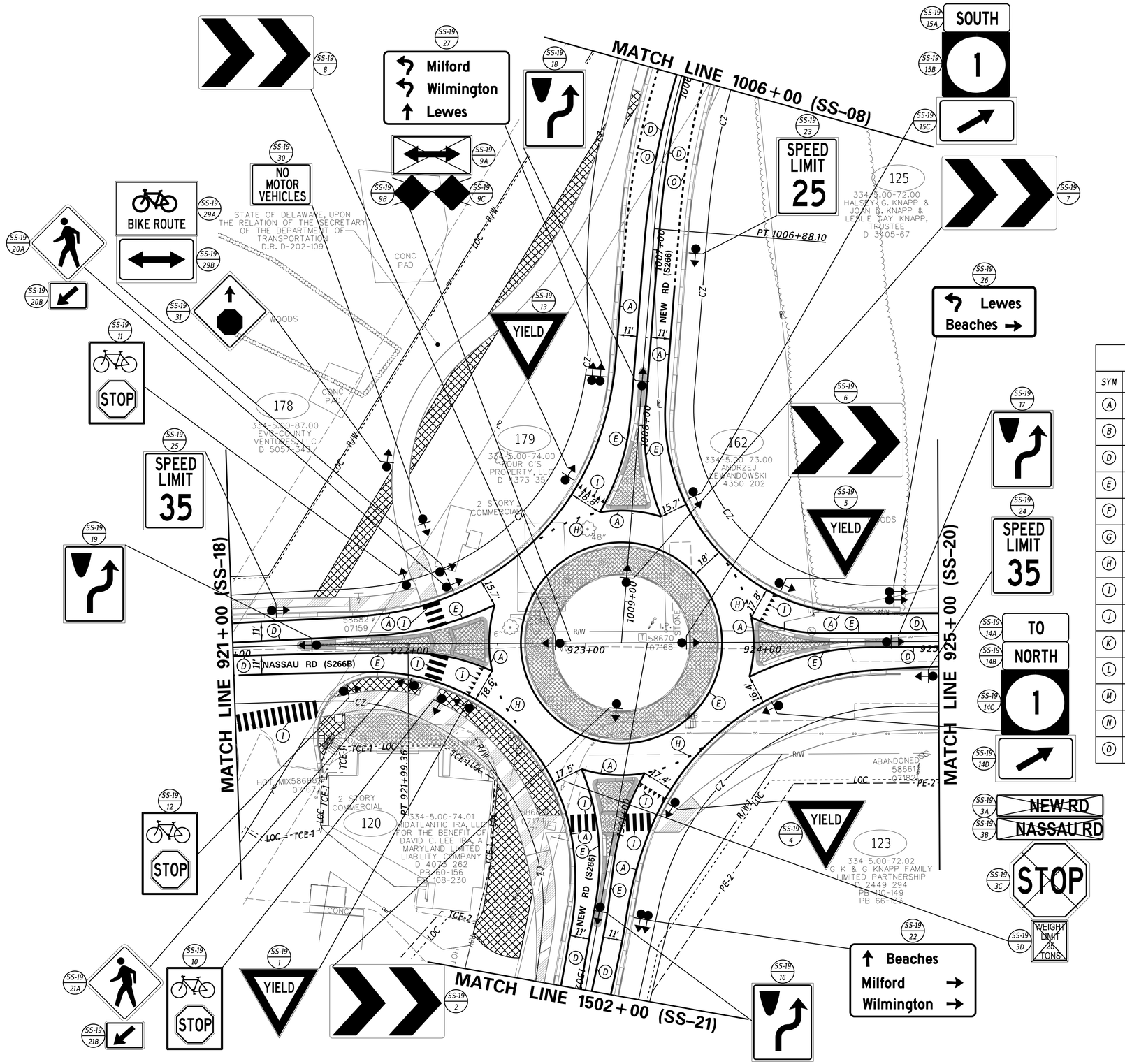
PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
J	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 817002)	65 SF
K	PREFORMED THERMOPLASTIC PAVEMENT MARKING WHITE, BIKE SYMBOL (ITEM 817015)	1 EACH
L	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 6' GAP (ITEM 817042)	0 LF
M	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 2' LINE & 6' GAP (ITEM 817043)	0 LF
N	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 817006)	0 LF
O	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 2' GAP (ITEM 817042)	386 LF



ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	SIGNING, STRIPING AND CONDUIT PLAN	SS-18
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO		SECTION PD
					CHECKED BY: B. BEHRENS		SHEET NO. 288

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PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
A	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	1,262 LF
B	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 817043)	0 LF
D	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID DOUBLE LINE (ITEM 817042)	0 LF
E	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	1,780 LF
F	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 10' LINE & 30' GAP (ITEM 817042)	0 LF
G	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 3' LINE & 9' GAP (ITEM 817043)	0 LF
H	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 2' LINE & 2' GAP (ITEM 817043)	74 LF
I	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 817002)	486 SF
J	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 817002)	0 SF
K	PREFORMED THERMOPLASTIC PAVEMENT MARKING WHITE, BIKE SYMBOL (ITEM 817015)	0 EACH
L	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 6' GAP (ITEM 817042)	0 LF
M	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 2' LINE & 6' GAP (ITEM 817043)	0 LF
N	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 817006)	0 LF
O	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 2' GAP (ITEM 817042)	234 LF

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

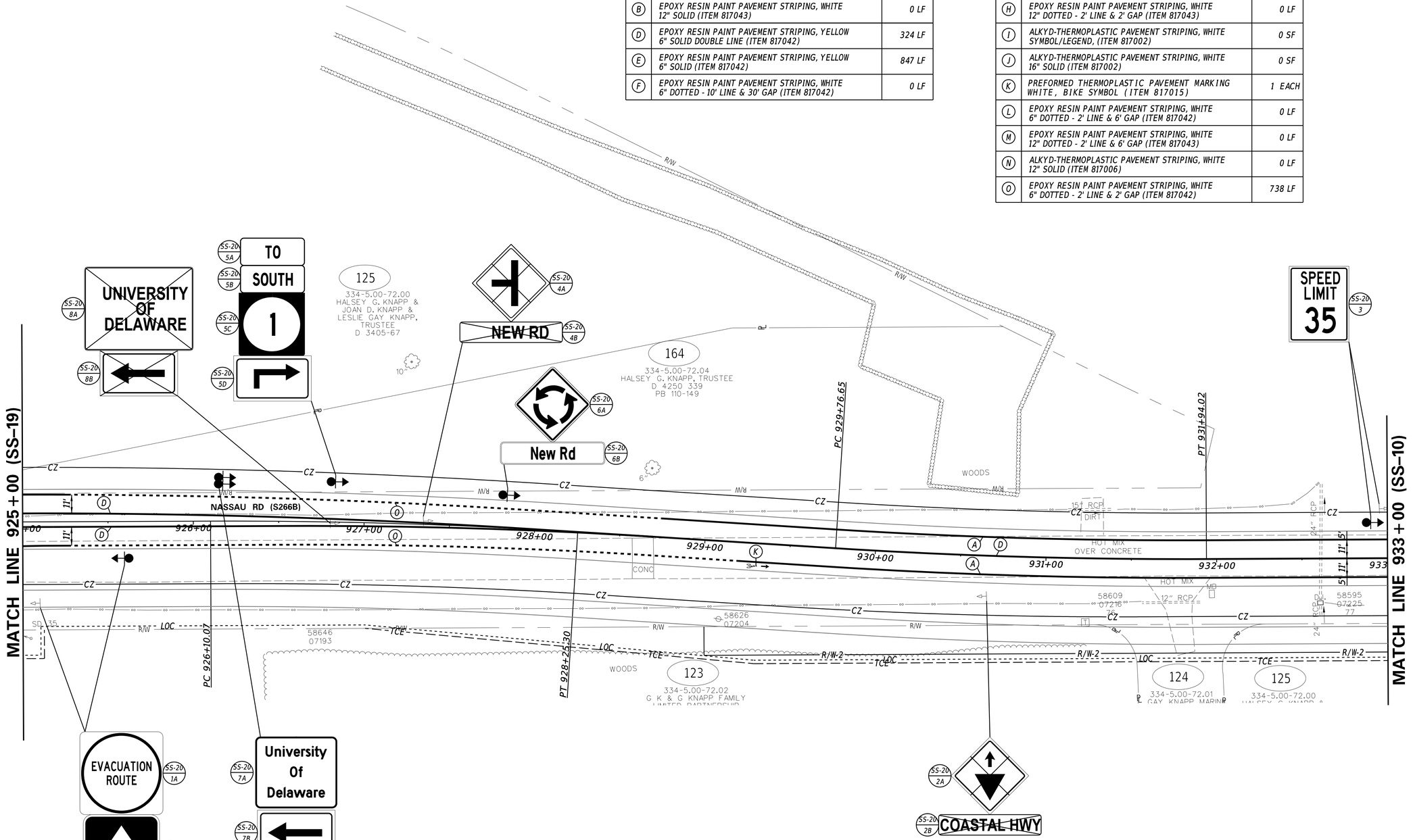
SIGNING, STRIPING AND CONDUIT PLAN

SS-19	
SECTION	PD
SHEET NO.	289

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PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	1,382 LF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 817043)	0 LF
(D)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID DOUBLE LINE (ITEM 817042)	324 LF
(E)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	847 LF
(F)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 10' LINE & 30' GAP (ITEM 817042)	0 LF

PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(G)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 3' LINE & 9' GAP (ITEM 817043)	0 LF
(H)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 2' LINE & 2' GAP (ITEM 817043)	0 LF
(I)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 817002)	0 SF
(J)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 817002)	0 SF
(K)	PREFORMED THERMOPLASTIC PAVEMENT MARKING WHITE, BIKE SYMBOL (ITEM 817015)	1 EACH
(L)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 6' GAP (ITEM 817042)	0 LF
(M)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 2' LINE & 6' GAP (ITEM 817043)	0 LF
(N)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 817006)	0 LF
(O)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 2' GAP (ITEM 817042)	738 LF

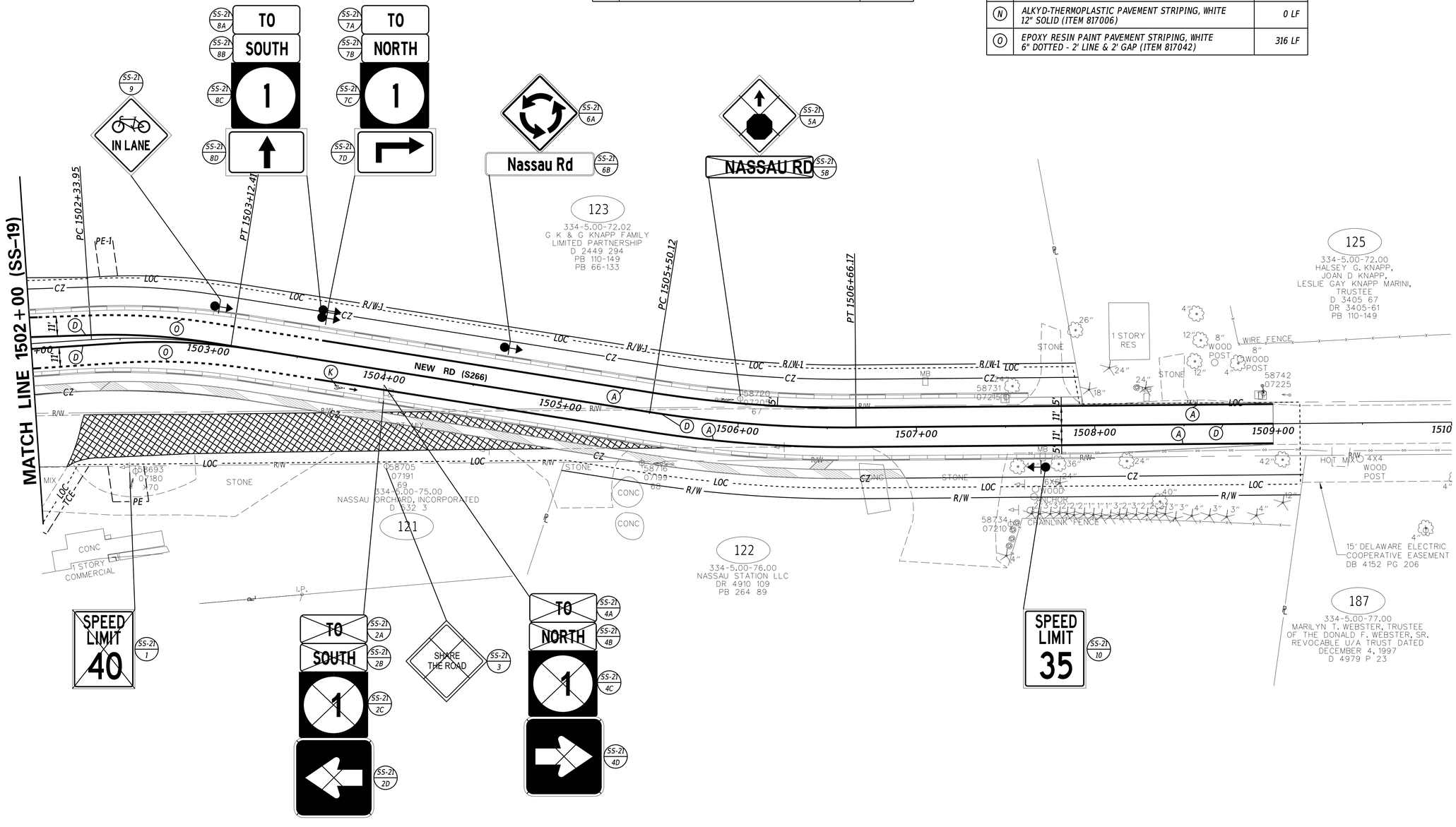


ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	SIGNING, STRIPING AND CONDUIT PLAN	SS-20 SECTION PD SHEET NO. 290
				COUNTY SUSSEX	DESIGNED BY: N. RIGOLINO CHECKED BY: B. BEHRENS		

12-JUN-2024
11:45
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PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	1,085 LF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 817043)	0 LF
(D)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID DOUBLE LINE (ITEM 817042)	575 LF
(E)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	252 LF
(F)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 10' LINE & 30' GAP (ITEM 817042)	0 LF
(G)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 3' LINE & 9' GAP (ITEM 817043)	0 LF

PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(H)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 2' LINE & 2' GAP (ITEM 817043)	0 LF
(I)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 817002)	0 SF
(J)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 817002)	0 SF
(K)	PREFORMED THERMOPLASTIC PAVEMENT MARKING WHITE, BIKE SYMBOL (ITEM 817015)	1 EACH
(L)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 6' GAP (ITEM 817042)	0 LF
(M)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 2' LINE & 6' GAP (ITEM 817043)	0 LF
(N)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 817006)	0 LF
(O)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 2' GAP (ITEM 817042)	316 LF



17-AUG-2024
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ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY: N. RIGOLINO	
COUNTY	CHECKED BY: B. BEHRENS	
SUSSEX		

SIGNING, STRIPING AND CONDUIT PLAN

SS-21	
SECTION	PD
SHEET NO.	291

PERMANENT SIGN SCHEDULE - ROADWAY

#	SHEET NO.	PLAN IDENTIFIER	SIGN DESIGNATION	QTY.	DESCRIPTION	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	X13 / ITEM 818001 SUPPLY OF FLAT SHEET ALUMINUM, TYPE IV, RETROREFLECTIVE SHEETING (SF)	X14 / ITEM 818003 SUPPLY OF FLAT SHEET ALUMINUM, TYPE XI, RETROREFLECTIVE SHEETING (SF)	X15 / ITEM 819512 SIGN POST REFLECTIVE PANEL (EA)	ITEM 819018 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE POST (EACH)			ITEM 819019 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS (SF)			POST INSTALLATION TYPE	X16 / ITEM 819011 12' SIGNPOSTS W/ BASEPOSTS & HARDWARE (EACH)	X17 / ITEM 819023 15' SIGNPOSTS W/ BASEPOSTS & HARDWARE (EACH)	ITEM 819016 4" HOLE, 0-6' (EACH)	ITEM 819017 4" HOLE, >6' (EACH)	SIGN DISPOSITION	X14A FLAT SHEET ALUMINUM SIGN PANELS (TYPE XI SHEETING) - SIGNS ON POLES, SPAN WIRES, MAST ARMS (TRAFFIC SUPPLY)	ITEM 822500 INSTALL OVERHEAD SIGN (SF) ON SIGNAL POLES TRAFFIC CONTRACTOR ITEM, EXCEPT FOR PILOT PROJECTS	ITEM 823003 REMOVAL OF SIGN ON SPAN WIRE OR MAST ARM (EA) TRAFFIC CONTRACTOR ITEM, EXCEPT FOR PILOT PROJECTS	ITEM 821005 INSTALLATION OF SIGN ON BARRIER MOUNTED SIGN SUPPORT (SF)	REMARKS
											SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL											
1675	SS-01	1A	D3-1(18)	1	STREET NAME (1 Line) Posted speed > 40 MPH	48	18				REMOVE	1															"Coastal Hwy"
1675	SS-01	1B	D3-1(18)	1	STREET NAME (1 Line) Posted speed > 40 MPH	48	18				REMOVE	1															"Savanah Rd"
408	SS-01	1C	R6-3a(30)	1	DIVIDED HIGHWAY CROSSING (T - Intersection) - 30x24	30	24				REMOVE	1															
1675	SS-01	2A	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0			NEW		2				NEW CONCRETE	1									"Coastal Hwy" (Highway Font C, 8"/6", Narrow Kerning)
1675	SS-01	2B	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0			ADD TO ASSEMBLY		2														"Savanah Rd". (Highway Font B, 8"/6", Narrow Kerning)
408	SS-01	2C	R6-3a(30)	1	DIVIDED HIGHWAY CROSSING (T - Intersection) - 30x24	30	24	5.0			ADD TO ASSEMBLY		1														
121	SS-01	3A	R3-4(36)	1	U - TURN PROHIBITION (Symbol) - 36x36	36	36				REMOVE	1															
311	SS-01	3B	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30				REMOVE	1															
	SS-01	4A	CUSTOM	1	ADVAANCE LANE CONTROL (U-TURN/LEFT TURN, LEFT TURN)	30	30	6.3			NEW		1														
322	SS-01	4B	R4-7c	1	NARROW KEEP RIGHT	18	30	3.8			ADD TO ASSEMBLY		1				EX CONCRETE	1		1							
1532	SS-01	4C	M4-4(36)	1	TRUCK - 36x18	36	18	4.5			ADD TO ASSEMBLY		1														
121	SS-01	4D	R3-4(36)	1	U - TURN PROHIBITION (Symbol) - 36x36	36	36	9.0			ADD TO ASSEMBLY		1														
9	SS-01	5A	R1-2(48)	1	YIELD	48	48				REMOVE	1															
1440	SS-01	5B	W21-9-DE(36)	1	WATCH FOR TURNING TRAFFIC - 36x36	36	36				REMOVE	1															
1675	SS-01	6A	D3-1(18)	1	STREET NAME (1 Line) Posted speed > 40 MPH	42	18				REMOVE	1															"Tulip St"
4	SS-01	6B	R1-1(36)	1	STOP	36	36				REMOVE	1															
59	SS-01	7A	R2-1-45(36)	1	SPEED LIMIT (45 MPH - 36x48)	36	48				REMOVE	1															
1447	SS-01	7B	W21-12P-DE	1	STRICTLY ENFORCED (plaque)	36	24				REMOVE	1															
943	SS-01	8	W4-6_R(36)	1	ENTERING ROADWAY ADDED LANE (Right)- 36x36	36	36	9.0			NEW		1				NEW CONCRETE	1									
359	SS-01	9	R5-1(36)	1	DO NOT ENTER - 36x36	36	36				REMOVE	1															
59	SS-01	10A	R2-1-45(36)	1	SPEED LIMIT (45 MPH - 36x48)	36	48				REMOVE	1															
1447	SS-01	10B	W21-12P-DE	1	STRICTLY ENFORCED (plaque)	36	24				REMOVE	1															
1169	SS-01	11A	W11-2(30)	1	PEDESTRIAN (Symbol) - 30x30	30	30	6.3			NEW		1				SOIL	1									
1359	SS-01	11B	W16-7P_L(24)	1	LEFT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24	12	2.0			ADD TO ASSEMBLY		1														
106	SS-01	12	R3-1(36)	1	RIGHT TURN PROHIBITION (Symbol) - 36x36	36	36	9.0			NEW		1				SOIL	1									
1675	SS-01	13A	D3-1(18)	1	STREET NAME (1 Line) Posted speed > 40 MPH	42	18	5.3			NEW		1				SOIL	1									"Tulip Dr". (Highway Font C, 8"/6", Normal Kerning)
4	SS-01	13B	R1-1(36)	1	STOP	36	36		7.5		ADD TO ASSEMBLY		1														
124	SS-01	13C	R3-5_R	1	MANDATORY MOVEMENT LANE CONTROL - Right	30	36	7.5			ADD TO ASSEMBLY		1														
4	SS-01	14A	R1-1(36)	1	STOP	36	36		7.5		NEW		1				SOIL	1									
124	SS-01	14B	R3-5_R	1	MANDATORY MOVEMENT LANE CONTROL - Right	30	36	7.5			ADD TO ASSEMBLY		1														
1169	SS-01	15A	W11-2(30)	1	PEDESTRIAN (Symbol) - 30x30	30	30	6.3			NEW		1				NEW CONCRETE	1									
1359	SS-01	15B	W16-7P_L(24)	1	LEFT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24	12	2.0			ADD TO ASSEMBLY		1														
1660	SS-02	1A	D1-3	1	DESTINATION (3 Line)	66	42							REMOVE	19.3												
1924	SS-02	1B	EM-1-DE	1	EVACUATION ROUTE	24	24				REMOVE	1															
1921	SS-02	1C	EM-1	1	HURRICANE EVACUATION ROUTE (up arrow)	24	24				REMOVE	1															
	SS-02	1D	CUSTOM	1	DELAWARE MEMORIAL BRIDGE	24	30				REMOVE	1															
1921	SS-02	1E	CUSTOM	1	UP ARROW	24	24				REMOVE	1															
59	SS-02	2A	R2-1-45(36)	1	SPEED LIMIT (45 MPH - 36x48)	36	48	12.0						NEW		12.0	SOIL	2									
1447	SS-02	2B	W21-12P-DE	1	STRICTLY ENFORCED (plaque)	36	24		6.0					ADD TO ASSEMBLY		6.0											
59	SS-02	3A	R2-1-45(36)	1	SPEED LIMIT (45 MPH - 36x48)	36	48	12.0						NEW		12.0	SOIL	2									
1447	SS-02	3B	W21-12P-DE	1	STRICTLY ENFORCED (plaque)	36	24		6.0					ADD TO ASSEMBLY		6.0											
394	SS-03	1	R6-1_L(36)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 36x12	36	12				REMOVE	1															
1685	SS-03	2A	D3-2-DE1	1	WELCOME TO	36	32							REMOVE	8.0												
1686	SS-03	2B	D3-2-DE2	1	DEVELOPMENT NAME	36	24							REMOVE	6.0												"SANDBAR"/"VILLAGE" (Right Arrow)
1685	SS-03	2C	D3-2-DE1	1	WELCOME TO	36	32	8.0						NEW		8.0	SOIL	2									
1686	SS-03	2D	D3-2-DE2	1	DEVELOPMENT NAME	36	24	6.0						NEW		6.0											"Sandbar"/"Village" (Right Arrow)
1670	SS-03	3A	D2-3	1	DISTANCE (3 Line)	72	42	21.0						NEW		21.0	SOIL	2									"Milford 19, Wilmington 84, Annapolis 86"
1924	SS-03	3B	EM-1-DE	1	EVACUATION ROUTE	24	24	4.0			ADD TO ASSEMBLY		1														
1921	SS-03	3C	EM-1	1	HURRICANE EVACUATION ROUTE (up arrow)	24	24	4.0			ADD TO ASSEMBLY		1														
424	SS-03	4A	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24				REMOVE	1															
424	SS-03	4B	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24	3.0			NEW		1				SOIL	1									
252	SS-03	5	R3-20-DE	1	TURN LANE	18	18				REMOVE	1															
8	SS-03	6	R1-2(36)	1	YIELD	36	36				REMOVE	1															
394	SS-03	7	R6-1_L(36)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 36x12	36	12				REMOVE	1															
8	SS-03	8	R1-2(36)	1	YIELD	36	36				REMOVE	1															
1170	SS-03	9A	W11-2(36)	1	PEDESTRIAN (Symbol) - 36x36	36	36	9.0			RENEW	1	1				SOIL	1									
1346	SS-03	9B	W16-3aP	1	XXMILES (plaque)	30	12	2.5			RENEW	1	1														7 MILES
1170	SS-03	10A	W11-2(36)	1	PEDESTRIAN (Symbol) - 36x36	36	36	9.0			RENEW	1	1				SOIL	1									
1346	SS-03	10B	W16-3aP	1	XXMILES (plaque)	30	12	2.5			RENEW	1	1														7 MILES
1754	SS-03	11A	D9-2(30)	1	HOSPITAL (Symbol) - 30x30	30	30	6.3			NEW		1				SOIL	1									
1607	SS-03	11B	M6-1_L(30)	1	DIRECTIONAL ARROW (Left) - 30x21	30	21	4.4			ADD TO ASSEMBLY		1														
121	SS-03	12	R3-4(36)	1	U - TURN PROHIBITION (Symbol) - 36x36	36	36				REMOVE	1															
8	SS-03	13	R1-2(36)	1	YIELD	36	36				REMOVE	1															
8	SS-03	14	R1-2(36)	1	YIELD	36	36				REMOVE	1															
1504	SS-03	15A	M2-1(21)	1	JUNCTION - 21x15	21	15				REMOVE	1															
1484	SS-03	15B	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24				REMOVE	1															
1488	SS-03	15C	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24				REMOVE	1															
1504	SS-03	15D	M2-1(21)	1	JUNCTION - 21x15	21	15	2.2			NEW		1														
1484	SS-03	15E	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24	4.0			ADD TO ASSEMBLY		1				SOIL	1									9
1488	SS-03	15F	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24	4.0			ADD TO ASSEMBLY		1														404
			PAGE TOTALS					221	27	0		34	32		33	71		21	0	1	0		0	0	0	0	

ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	SIGN SCHEDULE	SECTION JMT
				COUNTY SUSSEX	DESIGNED BY:		SHEET NO. 292
					CHECKED BY:		

09-JAN-2025
15:\SUSSEX\014 roads\T201612501\Plans\SS22.dgn

PERMANENT SIGN SCHEDULE - ROADWAY

#	SHEET NO.	PLAN IDENTIFIER	SIGN DESIGNATION	QTY.	DESCRIPTION	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	X13 / ITEM 818001 FLAT SHEET ALUMINUM, TYPE IV, RETROREFLECTIVE SHEETING (SF)	X14 / ITEM 818003 FLAT SHEET ALUMINUM, TYPE XI, RETROREFLECTIVE SHEETING (SF)	X15 / ITEM 819512 SIGN POST REFLECTIVE PANEL (EA)	ITEM 819018 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE POST (EACH)			ITEM 819019 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS (SF)			POST INSTALLATION TYPE	X16 / ITEM 819011 12' SIGNPOSTS W/ BASEPOSTS & HARDWARE (EACH)	X17 / ITEM 819023 15' SIGNPOSTS W/ BASEPOSTS & HARDWARE (EACH)	ITEM 819016 4" HOLE, 0-5" (EACH)	ITEM 819017 4" HOLE, >5" (EACH)	SIGN DISPOSITION	X14A FLAT SHEET ALUMINUM SIGN PANELS (TYPE X SHEETING) - SIGNS ON POLES, SPAN WIRES, MAST ARMS	ITEM 822500 INSTALL OVERHEAD SIGN (SF) ON SIGNAL POLES TRAFFIC CONTRACTOR ITEM.	ITEM 823003 REMOVAL OF SIGN ON SPAN WIRE OR MAST ARM (EA) TRAFFIC CONTRACTOR ITEM, EXCEPT FOR PILOT PROJECTS.	ITEM 821005 INSTALLATION OF SIGN ON BARRIER MOUNTED SIGN SUPPORT (SF)	REMARKS
											SIGN	REMOVE	INSTALL	SIGN	REMOVE	INSTALL										
	SS-03	16A	CUSTOM	1	CUSTOM "KEEP LEFT"	24	18				REMOVE	1														"KEEP LEFT"
1754	SS-03	16B	D9-2(30)	1	HOSPITAL (Symbol) - 30x30	30	30				REMOVE	1														
8	SS-03	17	R1-2(36)	1	YIELD	36	36		3.9		NEW		1				NEW CONCRETE	1								
359	SS-03	18	R5-1(36)	1	DO NOT ENTER - 36x36	36	36		9.0		NEW		1				NEW CONCRETE	1								
359	SS-03	19	R5-1(36)	1	DO NOT ENTER - 36x36	36	36		9.0		NEW		1				NEW CONCRETE	1								
359	SS-03	20	R5-1(36)	1	DO NOT ENTER - 36x36	36	36		9.0		NEW		1				NEW CONCRETE	1								
111	SS-03	21	R3-2(36)	1	LEFT TURN PROHIBITION (Symbol) - 36x36	36	36	9.0			ADD TO ASSEMBLY		1													
818	SS-04	1A	W2-1(36)	1	CROSS ROAD - 36x36	36	36				REMOVE	1														
1368	SS-04	1B	W16-8aP	1	ADVANCE STREET NAME (2 - line plaque)	36	18				REMOVE	1														(Left Arrow) "JANICE RD"/"NASSAU RD" (Right Arrow)
424	SS-04	1C	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24				REMOVE	1														
424	SS-04	1D	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24	3.0			NEW		1				SOIL	1								
1304	SS-04	2	W13-3_FY(36)	1	ADVISORY RAMP SPEED - 36x48 (Fluorescent Yellow)	36	48		12.0		NEW		1				SOIL	1								"35" Fluorescent Yellow
111	SS-04	3A	R3-2(36)	1	LEFT TURN PROHIBITION (Symbol) - 36x36	36	36				REMOVE	1														
121	SS-04	3B	R3-4(36)	1	U - TURN PROHIBITION (Symbol) - 36x36	36	36				REMOVE	1														
424	SS-04	4A	R7-4-DE(18)	2	NO STOPPING, STANDING, OR PARKING - 18x24	18	24				REMOVE	2														
424	SS-04	4B	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24	3.0			NEW		1				SOIL	1								
1675	SS-04	5A	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	42	18	10.5			RENEW	2	2													"Nassau Rd" (Highway Font B, 8"/6", Narrow Kerning)
1675	SS-04	5B	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	42	18	10.5			RENEW	2	2													"Tulip Dr" (Highway Font C, 8"/6", Normal Kerning)
4	SS-04	5C	R1-1(36)	1	STOP	36	36		7.5		RENEW	1	1				SOIL	1								
924	SS-04	5D	W4-4aP_L(24)	1	TRAFFIC FROM LEFT DOES NOT STOP (plaque) - 24x12	24	12	2.0			RENEW	1	1													
408	SS-04	5E	R6-3a(30)	1	DIVIDED HIGHWAY CROSSING (T - Intersection) - 30x24	30	24				REMOVE	1														
394	SS-04	5F	R6-1_L(36)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 36x12	36	12				REMOVE	1														
124	SS-04	5G	R3-5_R	1	MANDATORY MOVEMENT LANE CONTROL - Right	30	36	7.5			ADD TO ASSEMBLY		1													
4	SS-04	6A	R1-1(36)	1	STOP	36	36		7.5		NEW		1												7.5	SIGN TO BE BARRIER MOUNTED
930	SS-04	6B	W4-4bP(24)	1	ONCOMING TRAFFIC DOES NOT STOP (plaque) - 24x12	24	12	2.0			ADD TO ASSEMBLY		1												2.0	SIGN TO BE BARRIER MOUNTED
123	SS-04	6C	R3-5_L	1	MANDATORY MOVEMENT LANE CONTROL - Left	30	36	7.5			ADD TO ASSEMBLY		1												7.5	SIGN TO BE BARRIER MOUNTED
922	SS-04	7A	W2-2_R(30)	1	SIDE ROAD (Perpendicular - Right) - 30x30	30	30				REMOVE	1														
1367	SS-04	7B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	24	9				REMOVE	1														"Nassau Rd" (Right Arrow)
424	SS-04	7C	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24				REMOVE	1														
424	SS-04	7D	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24	3.0			NEW		1				SOIL	1								
1660	SS-04	8A	D1-3	1	DESTINATION (3 Line)	60	42							REMOVE	17.5											"Nassau" (Right Arrow)/"Virden"/"Center" (Right Arrow
1660	SS-04	8B	D1-3	1	DESTINATION (3 Line)	54	42	15.8						NEW		15.8	SOIL	2								"Nassau" (Right Arrow)/"Virden"/"Center" (Right Arrow
424	SS-04	9A	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24				REMOVE	1														
362	SS-04	9B	R5-1a(36)	1	WRONG WAY - 36x24	36	24				REMOVE	1														
424	SS-04	9C	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24	3.0			NEW		1				SOIL	1								
111	SS-04	10	R3-2(36)	1	LEFT TURN PROHIBITION (Symbol) - 36x36	36	36				REMAIN															
359	SS-04	11	R5-1(36)	1	DO NOT ENTER - 36x36	36	36				REMOVE	1														
4	SS-04	12A	R1-1(36)	1	STOP	36	36		7.5		RENEW	1	1													
124	SS-04	12B	R3-5_R	1	MANDATORY MOVEMENT LANE CONTROL - Right	30	36	7.5			RENEW	1	1													
4	SS-04	13A	R1-1(36)	1	STOP	36	36		7.5		RENEW	1	1													
124	SS-04	13B	R3-5_R	1	MANDATORY MOVEMENT LANE CONTROL - Right	30	36	7.5			RENEW	1	1													
252	SS-04	14	R3-20-DE	1	TURN LANE	18	18				REMOVE	1														
362	SS-04	15	R5-1a(36)	1	WRONG WAY - 36x24	36	24				REMOVE	1														
1685	SS-04	16A	D3-2-DE1	1	WELCOME TO	36	32				REMOVE	1														
1686	SS-04	16B	D3-2-DE2	1	DEVELOPMENT NAME	36	32				REMOVE	1														(Left Arrow) "DUTCH"/"ACRES"
1686	SS-04	16C	D3-2-DE2		DEVELOPMENT NAME	36	32				REMOVE															"COVERED BRIDGES"/(LEFT ARROW) "TRAILS"
252	SS-04	16D	R3-20-DE	1	TURN LANE	18	18				REMOVE	1														
359	SS-04	17A	R5-1(36)	1	DO NOT ENTER - 36x36	36	36		9.0		NEW		1												9.0	SIGN TO BE BARRIER MOUNTED Refer to Detail for Reflective Strip and Sign Placement
264	SS-04	17B	R3-27(36)	1	THRU MOVEMENT PROHIBITION (Symbol) - 36x36	36	36	9.0			ADD TO ASSEMBLY		1												9.0	SIGN TO BE BARRIER MOUNTED Refer to Detail for Reflective Strip and Sign Placement
311	SS-04	19	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30				REMOVE	1														
50	SS-04	21	R2-1-35(24)	1	SPEED LIMIT (35 MPH - 24x30)	24	30	5.0			NEW		1				SOIL	1								
392	SS-04	22A	R6-1_R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12				REMOVE	1														
392	SS-04	22B	R6-1_R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12	3.0			NEW		1												3.0	SIGN TO BE BARRIER MOUNTED
1685	SS-04	23A	D3-2-DE1	1	WELCOME TO	36	32				REMOVE	1														
1686	SS-04	23B	D3-2-DE2	1	DEVELOPMENT NAME	36	32				REMOVE	1														
822	SS-04	24A	W2-2_R(30)	1	SIDE ROAD (Perpendicular - Right) - 30x30	30	30	6.3			NEW		1													
1367	SS-04	24B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	24	9	1.5			ADD TO ASSEMBLY		1				SOIL	1								"Tulip Dr" (Highway Font C, 4", Narrow Kerning)
359	SS-04	25A	R5-1(36)	1	DO NOT ENTER - 36x36	36	36		9.0		NEW		1				SOIL	1								Refer to Detail for Reflective Strip and Sign Placement
264	SS-04	25B	R3-27(36)	1	THRU MOVEMENT PROHIBITION (Symbol) - 36x36	36	36	9.0			ADD TO ASSEMBLY		1													Refer to Detail for Reflective Strip and Sign Placement
871a	SS-04	26A	W3-1(36)	1	STOP AHEAD (Symbol) - 36x36	36	36	9.0			NEW		1												9.0	SIGN TO BE BARRIER MOUNTED
1367	SS-04	26B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	24	9	1.5			ADD TO ASSEMBLY		1												1.5	Tulip Dr (Highway Font C, 4", Narrow Kerning) SIGN TO BE BARRIER MOUNTED
1685	SS-04	27A	D3-2-DE1	1	WELCOME TO	36	32	8.0						NEW		8.0										"Sandbar Village" with right arrow
1686	SS-04	27B	D3-2-DE2	1	DEVELOPMENT NAME	36	24	6.0						ADD TO ASSEMBLY		6.0	SOIL	2								"LEWES"/(Left Arrow) "Senior"/"CENTER"/"WHISPERING"/(Left Arrow) "PINES"
264	SS-04	28	R3-27(36)	1	THRU MOVEMENT PROHIBITION (Symbol) - 36x36	36	36	9.0			ADD TO ASSEMBLY		1													
1882	SS-04	29	E5-1a(78)	1	EXIT GORE (1-, 2- Digit Exit Number)	78	60	32.5						NEW		32.5									32.5	SIGN TO BE BARRIER MOUNTED
1660	SS-05	1	D1-3	1	DESTINATION (3 Line)	60	42				REMOVE	1														"LEWES"/(Left Arrow) "Senior"/"CENTER"/"WHISPERING"/(Left Arrow) "PINES"
359	SS-05	2	R5-1(36)	1	DO NOT ENTER - 36x36	36	36				REMOVE	1														
4	SS-05	3	R1-1(36)	1	STOP	36	36				REMOVE	1														
1674	SS-05	4A	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	36	12				REMOVE	2														"NASSAU RD"
4	SS-05	4B	R1-1(36)	1	STOP	36	36				REMOVE	1														
	PAGE TOTALS							192	91	0		42	35		18	62		17	0	0	0		0	0	0	81	

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY:	
COUNTY	CHECKED BY:	
SUSSEX		

SIGN SCHEDULE

SECTION	
JMT	
SHEET NO.	
293	

09-JAN-2025
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PERMANENT SIGN SCHEDULE - ROADWAY

#	SHEET NO.	PLAN IDENTIFIER	SIGN DESIGNATION	QTY.	DESCRIPTION	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	X13 / ITEM 819001 FLAT SHEET ALUMINUM, TYPE IV, RETROREFLECTIVE SHEETING (SF)	X14 / ITEM 819003 FLAT SHEET ALUMINUM, TYPE XI, RETROREFLECTIVE SHEETING (SF)	X15 / ITEM 819512 SIGN POST REFLECTIVE PANEL (EA)	ITEM 819018 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE POST (EACH)			ITEM 819019 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS (SF)			POST INSTALLATION TYPE	X16 / ITEM 819011 12' SIGNPOSTS W/ BASEPOSTS & HARDWARE (EACH)	X17 / ITEM 819023 15' SIGNPOSTS W/ BASEPOSTS & HARDWARE (EACH)	ITEM 819016 4" HOLE, 0-6" (EACH)	ITEM 819017 4" HOLE, >6" (EACH)	SIGN DISPOSITION	X14A FLAT SHEET ALUMINUM SIGN PANELS (TYPE X SHEETING) - SIGNS ON POLES, SPAN WIRES, MAST ARMS (TRAFFIC SUPPLY)	ITEM 822500 INSTALL OVERHEAD SIGN (SF) ON SIGNAL POLES TRAFFIC CONTRACTOR ITEM EXCEPT FOR PILOT PROJECTS	ITEM 823003 REMOVAL OF SIGN ON SPAN WIRE OR MAST ARM (EA) TRAFFIC CONTRACTOR ITEM, EXCEPT FOR PILOT PROJECTS	ITEM 821005 INSTALLATION OF SIGN ON BARRIER MOUNTED SIGN SUPPORT (SF)	REMARKS
											SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL											
1674	SS-05	5A	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12				REMOVE	2																
1674	SS-05	5B	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	36	12	6.0			NEW		2				SOIL	2										"Nassau" (Highway Font C, 6"/4", Narrow Kerning)
4	SS-05	6	R1-1(36)	1	STOP	36	36				REMOVE	1																
1674	SS-05	7A	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12				REMOVE	2																"NASSAU RD"
1674	SS-05	7B	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	54	12				REMOVE	2																"COASTAL HWY"
4	SS-05	7C	R1-1(36)	1	STOP	36	36				REMOVE	1																
406	SS-05	7D	R6-3(30)	1	DIVIDED HIGHWAY CROSSING (4 - Legged Intersection) - 30x24	30	24				REMOVE	1																
362	SS-05	8A	R5-1a(36)	1	WRONG WAY - 36x24	36	24				REMOVE	1																
359	SS-05	9A	R5-1(36)	1	DO NOT ENTER - 36x36	36	36				REMOVE	1																
359	SS-05	9B	R5-1(36)	1	DO NOT ENTER - 36x36	36	36		9.0		NEW		1														9.0	SIGN TO BE BARRIER MOUNTED
362	SS-05	10	R5-1a(36)	1	WRONG WAY - 36x24	36	24				REMOVE	1																
359	SS-05	11	R5-1(36)	1	DO NOT ENTER - 36x36	36	36				REMAIN																	
1675	SS-05	12A	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18				REMOVE	2																"JANICE RD"
1675	SS-05	12B	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	54	18				REMOVE	2																"COASTAL HWY"
4	SS-05	12C	R1-1(36)	1	STOP	36	36				REMOVE	1																
406	SS-05	12D	R6-3(30)	1	DIVIDED HIGHWAY CROSSING (4 - Legged Intersection) - 30x24	30	24				REMOVE	1																
59	SS-05	13A	R2-1-45(36)	1	SPEED LIMIT (45 MPH - 36x48)	36	48				REMOVE	1																
1447	SS-05	13B	W21-12P-DE	1	STRICTLY ENFORCED (plaque)	36	24				REMOVE	1																
781	SS-05	14	W1-8_FY(30)	1	CHEVRON ALIGNMENT - 30x36 (Fluorescent Yellow)	30	36		7.5		NEW		1				SOIL	1										
50	SS-05	15	R2-1-35(24)	1	SPEED LIMIT (35 MPH - 24x30)	24	30	5.0			NEW		1				SOIL	1										
59	SS-05	16A	R2-1-45(36)	1	SPEED LIMIT (45 MPH - 36x48)	36	48	12.0						NEW		12.0	SOIL	2										
1447	SS-05	16B	W21-12P-DE	1	STRICTLY ENFORCED (plaque)	36	24		6.0					NEW		6.0												
392	SS-05	17	R6-1_R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12	3.0			NEW		1														3.0	SIGN TO BE BARRIER MOUNTED
781	SS-05	18	W1-8_FY(30)	1	CHEVRON ALIGNMENT - 30x36 (Fluorescent Yellow)	30	36		7.5		NEW		1				SOIL	1										
59	SS-06	1	R2-1-45(36)	1	SPEED LIMIT (45 MPH - 36x48)	36	48							REMOVE	12.0													
59	SS-06	2A	R2-1-45(36)	1	SPEED LIMIT (45 MPH - 36x48)	36	48							REMOVE	12.0													
1447	SS-06	2B	W21-12P-DE	1	STRICTLY ENFORCED (plaque)	36	24							REMOVE	6.0													
59	SS-06	3	R2-1-45(36)	1	SPEED LIMIT (45 MPH - 36x48)	36	48	12.0						NEW		12.0	SOIL	2										
59	SS-06	4A	R2-1-45(36)	1	SPEED LIMIT (45 MPH - 36x48)	36	48	12.0						NEW		12.0	SOIL	2										
1447	SS-06	4B	W21-12P-DE	1	STRICTLY ENFORCED (plaque)	36	24		6.0					NEW		6.0		2										
1660	SS-06	5	D1-3	1	DESTINATION (3 Line)	48	42							REMOVE	14.0													"PARK & RIDE"/"LEWES 1"/"REHOBOTH 5"
1660	SS-06	6	D1-3	1	DESTINATION (3 Line)	48	42	14.0						NEW		14.0	SOIL	2										"PARK & RIDE"/"LEWES 1"/"REHOBOTH 5"
4	SS-06	7A	R1-1(36)	1	STOP	36	36				REMOVE	1																
4	SS-06	7B	R1-1(36)	1	STOP	36	36		7.5		NEW		1				SOIL	1										
871a	SS-06	8	W3-1(36)	1	STOP AHEAD (Symbol) - 36x36	36	36				REMOVE	1																
1655	SS-06	9A	D1-2a(30-B)	1	DESTINATION (2 Line)	48	30				REMOVE	1																
817	SS-06	9B	W2-1(30)	1	CROSS ROAD - 30x30	30	30				REMOVE	1																
1368	SS-06	9C	W16-8aP	1	ADVANCE STREET NAME (2 - line plaque)	24	18				REMOVE	1																"JANICE RD" (RIGHT ARROW)/"NASSAU RD"(RIGHT ARROW)
362	SS-06	10	R5-1a(36)	1	WRONG WAY - 36x24	36	24		6.0		NEW		1														6.0	SIGN TO BE BARRIER MOUNTED
362	SS-06	11	R5-1a(36)	1	WRONG WAY - 36x24	36	24		6.0		NEW		1				SOIL	1										
748	SS-06	12	W1-4_L_FY(36)	1	REVERSE CURVE (Left) - 36x36 (Fluorescent Yellow)	36	36		9.0		NEW		1				SOIL	1										
59	SS-07	1	R2-1-45(36)	1	SPEED LIMIT (45 MPH - 36x48)	36	48							REMOVE	12.0													
851	SS-07	3A	W2-6(30)	1	CIRCULAR INTERSECTION - 30x30	30	30	6.3			NEW		1				SOIL	1										
1367	SS-07	3B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	24	9	1.5			ADD TO ASSEMBLY		1															"New Rd" (Highway Font C, 4", Normal Kerning)
1534	SS-07	4A	M4-5(24)	1	TO - 24x12	24	12	2.0			NEW		1															
1508	SS-07	4B	M3-1(24)	1	CARDINAL DIRECTION - NORTH - 24x12	24	12	2.0			ADD TO ASSEMBLY		1				SOIL	1										
1488	SS-07	4C	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24	4.0			ADD TO ASSEMBLY		1															1
1604	SS-07	4D	M6-1_R(21)	1	DIRECTIONAL ARROW (Right) - 21x15	21	15	2.2			ADD TO ASSEMBLY		1															
59	SS-07	5	R2-1-45(36)	1	SPEED LIMIT (45 MPH - 36x48)	36	48							REMOVE	12.0													
59	SS-07	6	R2-1-45(36)	1	SPEED LIMIT (45 MPH - 36x48)	36	48	12.0						NEW		12.0	SOIL	2										
59	SS-07	7	R2-1-45(36)	1	SPEED LIMIT (45 MPH - 36x48)	36	48	12.0						NEW		12.0	SOIL	2										
1164a	SS-07	8	W11-1-DE(30)	1	BICYCLE (Symbol) IN LANE - 30x30	30	30	6.3			NEW		1				SOIL	1										
1653	SS-07	9	D1-2	1	DESTINATION (2 Line)	54	30	11.3						NEW		11.3	SOIL	2										"Nassau" (Right Arrow)/"Milford" (Right Arrow)
50	SS-07	10	R2-1-35(24)	1	SPEED LIMIT (35 MPH - 24x30)	24	30	5.0			NEW		1				SOIL	1										
9	SS-08	1	R1-2(48)	1	YIELD	48	48		6.9		NEW		1				SOIL	1										
410	SS-08	2	R6-4	1	ROUNDABOUT DIRECTIONAL (2 chevrons)	30	24	5.0			NEW		1				SOIL	1										
9	SS-08	3	R1-2(48)	1	YIELD	48	48		6.9		NEW		1				SOIL	1										
410	SS-08	4	R6-4	1	ROUNDABOUT DIRECTIONAL (2 chevrons)	30	24	5.0			NEW		1				SOIL	1										
410	SS-08	5	R6-4	1	ROUNDABOUT DIRECTIONAL (2 chevrons)	30	24	5.0			NEW		1				SOIL	1										
9	SS-08	6	R1-2(48)	1	YIELD	48	48		6.9		NEW		1				SOIL	1										
694	SS-08	7	SR1-16-DE	1	STOP (shared-use path only)	24	42	7.0			NEW		1				SOIL	1										
694	SS-08	8	SR1-16-DE	1	STOP (shared-use path only)	24	42	7.0			NEW		1				SOIL	1										
1169	SS-08	10A	W11-2(30)	1	PEDESTRIAN (Symbol) - 30x30	30	30	6.3			NEW		1				SOIL	1										
1359	SS-08	10B	W16-7P_L(24)	1	LEFT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24	12	2.0			ADD TO ASSEMBLY		1															
1169	SS-08	11A	W11-2(30)	1	PEDESTRIAN (Symbol) - 30x30	30	30	6.3			NEW		1				SOIL	1										
1359	SS-08	11B	W16-7P_L(24)	1	LEFT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24	12	2.0			ADD TO ASSEMBLY		1															
311	SS-08	12	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0			NEW		1				NEW CONCRETE	1										
	PAGE TOTALS							179	85	0		25	32		68	97		39	0	0	0		0	0	0	18		

| ADDENDA / REVISIONS | | | | | | | | | | | | | | | | | | |

PERMANENT SIGN SCHEDULE - ROADWAY

#	SHEET NO.	PLAN IDENTIFIER	SIGN DESIGNATION	QTY.	DESCRIPTION	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	X13 / ITEM 819001 FLAT SHEET ALUMINUM, TYPE IV, RETROREFLECTIVE SHEETING (SF)	X14 / ITEM 819003 FLAT SHEET ALUMINUM, TYPE XI, RETROREFLECTIVE SHEETING (SF)	X15 / ITEM 810612 SIGN POST REFLECTIVE PANEL (EA)	ITEM 819018 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE POST (EACH)			ITEM 819019 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS (SF)			POST INSTALLATION TYPE	X16 / ITEM 819011 12' SIGNPOSTS W/ BASEPOSTS & HARDWARE (EACH)	X17 / ITEM 819023 15' SIGNPOSTS W/ BASEPOSTS & HARDWARE (EACH)	ITEM 819016 4" HOLE, 0-6" (EACH)	ITEM 819017 4" HOLE, >6" (EACH)	SIGN DISPOSITION	X14A FLAT SHEET ALUMINUM SIGN PANELS (TYPE X SHEETING) - SIGNS ON POLES, SPAN WIRES, MAST ARMS (TRAFFIC SUPPLY)	ITEM 822500 INSTALL OVERHEAD SIGN (SF) ON SIGNAL POLES TRAFFIC CONTRACTOR ITEM EXCEPT FOR PILOT PROJECTS	ITEM 823003 REMOVAL OF SIGN ON SPAN WIRE OR MAST ARM (EA) TRAFFIC CONTRACTOR ITEM, EXCEPT FOR PILOT PROJECTS	ITEM 821005 INSTALLATION OF SIGN ON BARRIER MOUNTED SIGN SUPPORT (SF)	REMARKS
											SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL												
1650	SS-08	14A	D1-1d	1	CIRCULAR INTERSECTION DESTINATION (1 Line)	66	18	8.3			NEW		1					1											
1534	SS-08	14B	M4-5(24)	1	TO - 24x12	24	12	2.0			ADD TO ASSEMBLY		1															
1514	SS-08	14C	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24	12	2.0			ADD TO ASSEMBLY		1				SOIL											
1488	SS-08	14D	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24	4.0			ADD TO ASSEMBLY		1															1
1610	SS-08	14E	M6-2_R(21)	1	DIRECTIONAL ARROW (Right - upward 45) - 21x15	21	15	2.2			ADD TO ASSEMBLY		1															
42	SS-08	15	R2-1-25(24)	1	SPEED LIMIT (25 MPH - 24x30)	24	30	5.0			NEW		1				SOIL	1										
1650	SS-08	16A	D1-1d	1	CIRCULAR INTERSECTION DESTINATION (1 Line)	54	18	6.8			NEW		1					1										"New Rd" with arrow
1534	SS-08	16B	M4-5(24)	1	TO - 24x12	24	12	2.0			ADD TO ASSEMBLY		1															
1508	SS-08	16C	M3-1(24)	1	CARDINAL DIRECTION - NORTH - 24x12	24	12	2.0			ADD TO ASSEMBLY		1				NEW CONCRETE											
1488	SS-08	16D	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24	4.0			ADD TO ASSEMBLY		1															1
1604	SS-08	16E	M6-1_R(21)	1	DIRECTIONAL ARROW (Right) - 21x15	21	15	2.2			ADD TO ASSEMBLY		1															
311	SS-08	17	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0			NEW		1				NEW CONCRETE	1										
1667	SS-08	18	D1-3d	1	CIRCULAR INTERSECTION DESTINATION (3 Line)	72	42	21.0						NEW		21.0	SOIL	2										(Curved Left Arrow) "Beaches"/"Minos Conaway Rd" (Right Advance Arrow)
1534	SS-08	19A	M4-5(24)	1	TO - 24x12	24	12	2.0			NEW		1					1										
1514	SS-08	19B	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24	12	2.0			ADD TO ASSEMBLY		1				SOIL											
1488	SS-08	19C	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24	4.0			ADD TO ASSEMBLY		1															1
1595	SS-08	19D	M5-3_L	1	ADVANCE TURN ARROW (Left - curved-stem)	21	15	2.2			ADD TO ASSEMBLY		1															
851	SS-08	20A	W2-6(30)	1	CIRCULAR INTERSECTION - 30x30	30	30	6.3			NEW		1					1										
1367	SS-08	20B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	30	9	1.9			ADD TO ASSEMBLY		1				SOIL											"Janice Rd" (Highway Font C, 4", Narrow Kerning)
50	SS-08	21	R2-1-35(24)	1	SPEED LIMIT (35 MPH - 24x30)	24	30	5.0			NEW		1				SOIL	1										
311	SS-08	22	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0			NEW		1				NEW CONCRETE	1										
1667	SS-08	23	D1-3d	1	CIRCULAR INTERSECTION DESTINATION (3 Line)	60	42	17.5						NEW		17.5	SOIL	2										(Left Arrow with Curved Stem) "Nassau"/(Left Arrow with Curved Stem) "Milford"/ (Up Arrow) "Beaches"
1534	SS-08	24A	M4-5(24)	1	TO - 24x12	24	12	2.0			NEW		1					1										
1508	SS-08	24B	M3-1(24)	1	CARDINAL DIRECTION - NORTH - 24x12	24	12	2.0			ADD TO ASSEMBLY		1				SOIL											
1488	SS-08	24C	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24	4.0			ADD TO ASSEMBLY		1															1
1595	SS-08	24D	M5-3_L	1	ADVANCE TURN ARROW (Left - curved-stem)	21	15	2.2			ADD TO ASSEMBLY		1															
851	SS-08	25A	W2-6(30)	1	CIRCULAR INTERSECTION - 30x30	30	30	6.3			NEW		1					1										
1367	SS-08	25B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	30	9	1.9			ADD TO ASSEMBLY		1				SOIL											"Nassau Rd" (Highway Font C, 4", Normal Kerning)
1653	SS-08	26	D1-2	1	DESTINATION (2 Line)	84	30				REMAIN																	"WELCOME TO"/"DELAWARE'S BEACHES"
1164a	SS-08	28	W11-1-DE(30)	1	BICYCLE (Symbol) IN LANE - 30x30	30	30	6.3			NEW		1				SOIL	1										
341	SS-08	29	R4-11	1	BICYCLES MAY USE FULL LANE	30	30	6.3			NEW		1				SOIL	1										
971	SS-08	30	R5-3	1	NO MOTOR VEHICLES	24	24	4.0			NEW		1				SOIL	1										
870	SS-08	31	W3-1(18)	1	STOP AHEAD (Symbol) - 18x18	18	18	2.3			NEW		1				SOIL	1										
1656	SS-08	32	D1-2d	1	CIRCULAR INTERSECTION DESTINATION (2 Line)	54	30	11.3			NEW		1				SOIL	1										
694	SS-08	33	SR1-16-DE	1	STOP (shared-use path only)	24	42	7.0			NEW		1				SOIL	1										"Service Rd A" with arrow
870	SS-08	34	W3-1(18)	1	STOP AHEAD (Symbol) - 18x18	18	18	2.3			NEW		1				SOIL	1										
59	SS-09	1A	R2-1-45(36)	1	SPEED LIMIT (45 MPH - 36x48)	36	48							REMOVE	12.0													
1447	SS-09	1B	W21-12P-DE	1	STRICTLY ENFORCED (plaque)	36	24							REMOVE	6.0													
252	SS-09	2	R3-20-DE	1	TURN LANE	18	18				REMOVE	1																
362	SS-09	3	R5-1a(36)	1	WRONG WAY - 36x24	36	24				REMOVE	1																
362	SS-09	4	R5-1a(36)	1	WRONG WAY - 36x24	36	24				REMOVE	1																
1534	SS-09	5A	M4-5(24)	1	TO - 24x12	24	12	2.0			NEW		1															
1508	SS-09	5B	M3-1(24)	1	CARDINAL DIRECTION - NORTH - 24x12	24	12	2.0			ADD TO ASSEMBLY		1				SOIL	1										
1488	SS-09	5C	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24	4.0			ADD TO ASSEMBLY		1															1
1595	SS-09	5D	M5-3_L	1	ADVANCE TURN ARROW (Left - curved-stem)	21	15	2.2			ADD TO ASSEMBLY		1															
1534	SS-09	6A	M4-5(24)	1	TO - 24x12	24	12	2.0			NEW		1															
1514	SS-09	6B	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24	12	2.0			ADD TO ASSEMBLY		1				SOIL	1										
1488	SS-09	6C	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24	4.0			ADD TO ASSEMBLY		1															1
1619	SS-09	6D	M6-3(21)	1	DIRECTIONAL ARROW (Up) - 21x15	21	15	2.2			ADD TO ASSEMBLY		1															
851	SS-09	7A	W2-6(30)	1	CIRCULAR INTERSECTION - 30x30	30	30	6.3			NEW		1					1										
1367	SS-09	7B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	24	9	1.5			ADD TO ASSEMBLY		1				SOIL	1										"New Rd" (Highway Font C, 4", Normal Kerning)
59	SS-09	8A	R2-1-45(36)	1	SPEED LIMIT (45 MPH - 36x48)	36	48	12.0						NEW		12.0	SOIL	2										
1447	SS-09	8B	W21-12P-DE	1	STRICTLY ENFORCED (plaque)	36	24		6.0					ADD TO ASSEMBLY		6.0												
4	SS-09	9	R1-1(36)	1	STOP	36	36		7.5		NEW		1				SOIL	1										
842	SS-09	10	W2-4(30)	1	"T" (Symbol) - 30x30	30	30	6.3			NEW		1					1										"COASTAL HWY"
59	SS-09	11A	R2-1-45(36)	1	SPEED LIMIT (45 MPH - 36x48)	36	48	12.0						NEW		12.0	SOIL	2										"NASSAU RD"
1447	SS-09	11B	W21-12P-DE	1	STRICTLY ENFORCED (plaque)	36	24		6.0					ADD TO ASSEMBLY		6.0												
1673	SS-10	1A	D3-1(9)	2	STREET NAME (1 Line)	30	9				REMOVE	2																
1673	SS-10	1B	D3-1(9)	2	STREET NAME (1 Line)	30	9				REMOVE	2																
392	SS-10	1C	R6-1_R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12				REMOVE	1																
4	SS-10	1D	R1-1(36)	1	STOP	36	36				REMOVE	1																
408	SS-10	1E	R6-3a(30)	1	DIVIDED HIGHWAY CROSSING (T - Intersection) - 30x24	30	24				REMOVE	1																
9	SS-10	2	R1-2(48)	1	YIELD	48	48				REMOVE	1																
394	SS-10	3A	R6-1_L(36)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 36x12	36	12				REMOVE	1																
4	SS-10	3B	R1-1(36)	1	STOP	36	36				REMOVE	1																
4	SS-10	4	R1-1(36)	1	STOP	36	36				REMOVE	1																
67	SS-10	5	R2-1-55(36)	1	SPEED LIMIT (55 MPH - 36x48)	36	48	12.0						NEW		12.0	SOIL	2										
67	SS-10	6	R2-1-55(36)	1	SPEED LIMIT (55 MPH - 36x48)	36	48	12.0						NEW		12.0	SOIL	2										
1674	SS-10	7A	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12	8.0			NEW		2				SOIL	2										Nassua Rd (Highway Font C, 6"/4", Normal Kerning)
4	SS-10	7B	R1-1(36)	1	STOP	36	36		7.5		ADD TO ASSEMBLY		1															
			PAGE TOTALS					260	27	0		14	48		18	99		36	0	0	0		0	0	0	0	

ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. X	SIGN SCHEDULE	SECTION JMT
				COUNTY SUSSEX	DESIGNED BY:		SHEET NO. 295
					CHECKED BY:		

09-JAN-2025
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PERMANENT SIGN SCHEDULE - ROADWAY

#	SHEET NO.	PLAN IDENTIFIER	SIGN DESIGNATION	QTY.	DESCRIPTION	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	X13 / ITEM 818001 FLAT SHEET ALUMINUM, TYPE IV, RETROREFLECTIVE SHEETING (SF)	X14 / ITEM 818003 FLAT SHEET ALUMINUM, TYPE XI, RETROREFLECTIVE SHEETING (SF)	X15 / ITEM 818612 SIGN POST REFLECTIVE PANEL (EA)	ITEM 819018 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE POST (EACH)			ITEM 819019 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS (SF)			POST INSTALLATION TYPE	X16 / ITEM 819011 12' SIGNPOSTS W/ BASEPOSTS & HARDWARE (EACH)	X17 / ITEM 819023 15' SIGNPOSTS W/ BASEPOSTS & HARDWARE (EACH)	ITEM 819016 4" HOLE, 0-6" (EACH)	ITEM 819017 4" HOLE, >6" (EACH)	SIGN DISPOSITION	X14A FLAT SHEET ALUMINUM SIGN PANELS (TYPE XI SHEETING) - SIGNS ON POLES, SPAN WIRES, MAST ARMS (TRAFFIC SUPPLY)	ITEM 822500 INSTALL OVERHEAD SIGN (SF) ON SIGNAL POLES TRAFFIC CONTRACTOR ITEM EXCEPT FOR PILOT PROJECTS	ITEM 823003 REMOVAL OF SIGN ON SPAN WIRE OR MAST ARM (EA) TRAFFIC CONTRACTOR ITEM, EXCEPT FOR PILOT PROJECTS	ITEM 821005 INSTALLATION OF SIGN ON BARRIER MOUNTED SIGN SUPPORT (SF)	REMARKS
											SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL											
1674	SS-10	8A	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12	8.0			NEW		2				SOIL	2									Nassua Rd (Highway Font C, 6"/4", Normal Kerning)
4	SS-10	8B	R1-1(36)	2	STOP	36	36		14.9		ADD TO ASSEMBLY		2														
822	SS-11	1A	W2-2_R(30)	1	SIDE ROAD (Perpendicular - Right) - 30x30	30	30				REMOVE	1															
1368	SS-11	1B	W16-8aP	1	ADVANCE STREET NAME (2 - line plaque)	36	18				REMOVE	1															"OLD MILL RD" (Right Arrow)/(Left Arrow) "MINOS"/"CONAWAY RD"
1508	SS-11	2A	M3-1(24)	1	CARDINAL DIRECTION - NORTH - 24x12	24	12				REMOVE	1															
1488	SS-11	2B	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24				REMOVE	1															1
1872	SS-11	3A	D14-3-DE	1	ADOPT A HIGHWAY	24	30				REMOVE	1															
1865	SS-11	3B	D14-1(36)	1	ACKNOWLED GEMENT - 36x30	36	30				REMOVE	1															In Memory of
362	SS-11	4	R5-1a(36)	1	WRONG WAY - 36x24	36	24				REMOVE	1															
9	SS-11	5	R1-2(48)	1	YIELD	48	48				REMOVE	1															
359	SS-11	6	R5-1(36)	1	DO NOT ENTER - 36x36	36	36				REMOVE	1															
4	SS-11	7	R1-1(36)	1	STOP	36	36				REMOVE	1															
1673	SS-11	8A	D3-1(9)	2	STREET NAME (1 Line)	36	9				REMOVE	2															"OLD MILL RD"
1673	SS-11	8B	D3-1(9)	2	STREET NAME (1 Line)	48	9				REMOVE	2															"COASTAL HWY"
392	SS-11	8C	R6-1_R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12				REMOVE	1															
4	SS-11	8D	R1-1(36)	1	STOP	36	36				REMOVE	1															
408	SS-11	8E	R6-3a(30)	1	DIVIDED HIGHWAY CROSSING (T - Intersection) - 30x24	30	24				REMOVE	1															
359	SS-11	9	R5-1(36)	1	DO NOT ENTER - 36x36	36	36				REMOVE	1															
394	SS-11	10A	R6-1_L(36)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 36x12	36	12				REMOVE	1															
4	SS-11	10B	R1-1(36)	1	STOP	36	36				REMOVE	1															
394	SS-11	11	R6-1_L(36)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 36x12	36	12				REMOVE	1															
392	SS-11	12A	R6-1_R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12				REMOVE	1															
4	SS-11	12B	R1-1(36)	1	STOP	36	36				REMOVE	1															
359	SS-11	13	R5-1(36)	1	DO NOT ENTER - 36x36	36	36				REMOVE	1															
362	SS-11	14	R5-1a(36)	1	WRONG WAY - 36x24	36	24				REMOVE	1															
252	SS-11	15	R3-20-DE	1	TURN LANE	18	18				REMOVE	1															
827	SS-11	16A	W2-2_L(30)	1	SIDE ROAD (Perpendicular - Left) - 30x30	30	30				REMOVE	1															
1367	SS-11	16B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	36	9				REMOVE	1															"NASSAU RD"
394	SS-11	17	R6-1_L(36)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 36x12	36	12				REMOVE	1															
851	SS-11	18A	W2-6(30)	1	CIRCULAR INTERSECTION - 30x30	30	30	6.3			NEW		1					1									
1368b	SS-11	18B	W16-8aP	1	ADVANCE STREET NAME (3 - line plaque)	42	18	5.3			ADD TO ASSEMBLY		1				SOIL										"Minos Conaway Rd" and "SR 1 South" with arrows (Highway Font C, 4", Normal Kerning)
67	SS-11	19	R2-1-55(36)	1	SPEED LIMIT (55 MPH - 36x48)	36	48				REMOVE	1															
67	SS-11	20	R2-1-55(36)	1	SPEED LIMIT (55 MPH - 36x48)	36	48				REMOVE	1															
1660	SS-11	21	D1-3	1	DESTINATION (3 Line)	54	42				REMOVE	1															University Of Delaware Yirden Center with arrows
1843	SS-11	22	D12-1-DE	1	RADIO - TRAFFIC INFORMATION	84	48				REMOVE	1															
252	SS-11	23	R3-20-DE	1	TURN LANE	18	18				REMOVE	1															
1872	SS-11	24	D14-3-DE	1	ADOPT A HIGHWAY	24	42	7.0			NEW		1				SOIL	1									Lewis Rehoboth Rotary Club
889	SS-11	25	W3-5(36)	1	SPEED REDUCTION (Symbol) - 36x36	36	36				REMOVE	1															45 MPH
889	SS-11	26	W3-5(36)	1	SPEED REDUCTION (Symbol) - 36x36	36	36	9.0			NEW		1				SOIL	1									45
889	SS-11	27	W3-5(36)	1	SPEED REDUCTION (Symbol) - 36x36	36	36				REMOVE	1															
1826	SS-11	28	D10-2a(10)	1	INTERMEDIATE REFERENCE LOCATION (2- Digit) - 10x36	10	36	2.5			NEW		1				SOIL	1									25.0
1674	SS-11	29A	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	42	12	7.0			NEW		2				SOIL	2									Nassua Rd (Highway Font C, 6"/4", Normal Kerning)
1674	SS-11	29B	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	42	12	7.0			ADD TO ASSEMBLY		2														Old Mill Rd (Highway Font C, 6"/4", Normal Kerning)
4	SS-11	29C	R1-1(36)	1	STOP	36	36		7.5		ADD TO ASSEMBLY		1														
822	SS-11	30A	W2-2_R(30)	1	SIDE ROAD (Perpendicular - Right) - 30x30	30	30	6.3			NEW		1				SOIL	1									Old Mill Rd with arrow (Highway Font C, 4", Normal Kerning)
1367	SS-11	30B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	36	9	2.3			ADD TO ASSEMBLY		1														
1826	SS-11	31	D10-2a(10)	1	INTERMEDIATE REFERENCE LOCATION (2- Digit) - 10x36	10	36				REMOVE	1															
1174	SS-12	1	W11-3(36)	1	DEER (Symbol) - 36x36	36	36	9.0			RENEW	1	1														
359	SS-12	2	R5-1(36)	1	DO NOT ENTER - 36x36	36	36				REMOVE	1															
395	SS-12	3	R6-1_L(54)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 54x18	54	18				REMOVE	1															
359	SS-12	4	R5-1(36)	1	DO NOT ENTER - 36x36	36	36				REMOVE	1															
4	SS-12	5A	R1-1(36)	1	STOP	36	36		7.5		RENEW	1	1														
111	SS-12	5B	R3-2(36)	1	LEFT TURN PROHIBITION (Symbol) - 36x36	36	36				REMOVE	1															
252	SS-12	6	R3-20-DE	1	TURN LANE	18	18				REMOVE	1															
828	SS-12	7A	W2-2_L(36)	1	SIDE ROAD (Perpendicular - Left) - 36x36	36	36				REMOVE	1															
1368	SS-12	7B	W16-8aP	1	ADVANCE STREET NAME (2 - line plaque)	42	18				REMOVE	1															"MINOS, CONAWAY RD, OLD MILL RD" with arrows
362	SS-12	8	R5-1a(36)	1	WRONG WAY - 36x24	36	24				REMOVE	1															
359	SS-12	9	R5-1(36)	1	DO NOT ENTER - 36x36	36	36				REMOVE	1															
8	SS-12	10	R1-2(36)	1	YIELD	36	36				REMOVE	1															
8	SS-12	11	R1-2(36)	1	YIELD	36	36		3.9		NEW		1					1									
410	SS-12	12	R6-4	1	ROUNDABOUT DIRECTIONAL (2 chevrons)	30	24	5.0			NEW		1				SOIL	1									
410	SS-12	13	R6-4	1	ROUNDABOUT DIRECTIONAL (2 chevrons)	30	24	5.0			NEW		1				SOIL	1									
8	SS-12	14	R1-2(36)	1	YIELD	36	36		3.9		NEW		1				SOIL	1									
8	SS-12	15	R1-2(36)	1	YIELD	36	36				REMOVE	1					SOIL										
410	SS-12	16	R6-4	1	ROUNDABOUT DIRECTIONAL (2 chevrons)	30	24	5.0			NEW		1					1									
1675	SS-12	17A	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	42	18				REMOVE	2					SOIL										"MINOS CONAWAY RD"
1675	SS-12	17B	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	36	18				REMOVE	2															"COASTAL HWY"
4	SS-12	17C	R1-1(36)	1	STOP	36	36				REMOVE	1															
	SS-12	17D	CUSTOM	1	RIGHT TURNS USE MERGE LANE	24	36				REMOVE	1															
8	SS-12	18	R1-2(36)	1	YIELD	36	36				REMOVE	1															
359	SS-12	19	R5-1(36)	1	DO NOT ENTER - 36x36	36	36				REMOVE	1															
			PAGE TOTALS					85	38	0		58	23		0	0		14	0	0	0		0	0	0	0	

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY:	
COUNTY	CHECKED BY:	
SUSSEX		

SIGN SCHEDULE

SECTION	
JMT	
SHEET NO.	
296	

09-JAN-2025
12:43:30
Y:\SUSSEX\014\roadT201612501\Plans\SS26.dgn

PERMANENT SIGN SCHEDULE - ROADWAY

#	SHEET NO.	PLAN IDENTIFIER	SIGN DESIGNATION	QTY.	DESCRIPTION	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	X13 / ITEM 818001 FLAT SHEET ALUMINUM, TYPE IV, RETROREFLECTIVE SHEETING (SF)	X14 / ITEM 818003 FLAT SHEET ALUMINUM, TYPE XI, RETROREFLECTIVE SHEETING (SF)	X15 / ITEM 818612 SIGN POST REFLECTIVE PANEL (EA)	ITEM 819018 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE POST (EACH)			ITEM 819019 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS (SF)			POST INSTALLATION TYPE	X16 / ITEM 819011 12' SIGNPOSTS W/ BASEPOSTS & HARDWARE (EACH)	X17 / ITEM 819023 15' SIGNPOSTS W/ BASEPOSTS & HARDWARE (EACH)	ITEM 819016 4" HOLE, 0-6" (EACH)	ITEM 819017 4" HOLE, >6" (EACH)	SIGN DISPOSITION	X14A FLAT SHEET ALUMINUM SIGN PANELS (TYPE X SHEETING) - SIGNS ON POLES, SPAN WIRES, MAST ARMS (TRAFFIC SUPPLY)	ITEM 822500 INSTALL OVERHEAD SIGN (SF) ON SIGNAL POLES TRAFFIC CONTRACTOR ITEM EXCEPT FOR PILOT PROJECTS	ITEM 823003 REMOVAL OF SIGN ON SPAN WIRE OR MAST ARM (EA) TRAFFIC CONTRACTOR ITEM, EXCEPT FOR PILOT PROJECTS	ITEM 821005 INSTALLATION OF SIGN ON BARRIER MOUNTED SIGN SUPPORT (SF)	REMARKS
											SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL											
362	SS-12	20	R5-1a(36)	1	WRONG WAY - 36x24	36	24				REMOVE	1															
8	SS-12	21	R1-2(36)	1	YIELD	36	36		3.9		NEW		1				SOIL	1									
311	SS-12	22	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0			NEW		1				NEW CONCRETE	1									
311	SS-12	23	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0			NEW		1				NEW CONCRETE	1									
1650	SS-12	24A	D1-1d	1	CIRCULAR INTERSECTION DESTINATION (1 Line)	66	18	8.3			NEW		1					1									Janice Rd with arrow
1534	SS-12	24B	M4-5(24)	1	TO - 24x12	24	12	2.0			ADD TO ASSEMBLY		1														
1508	SS-12	24C	M3-1(24)	1	CARDINAL DIRECTION - NORTH - 24x12	24	12	2.0			ADD TO ASSEMBLY		1				SOIL										
1488	SS-12	24D	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24	4.0			ADD TO ASSEMBLY		1														1
1638	SS-12	24E	M6-7_R(21)	1	DIRECTIONAL ARROW AUXILIARY (Up - 45 Right) - 21x15	21	15	2.2			ADD TO ASSEMBLY		1														
50	SS-12	25	R2-1-35(24)	1	SPEED LIMIT (35 MPH - 24x30)	24	30	5.0			NEW		1				SOIL	1									
1514	SS-12	26A	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24	12	2.0			NEW		1				SOIL	1									
1488	SS-12	26B	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24	4.0			ADD TO ASSEMBLY		1														1
1638	SS-12	26C	M6-7_R(21)	1	DIRECTIONAL ARROW AUXILIARY (Up - 45 Right) - 21x15	21	15	2.2			ADD TO ASSEMBLY		1														
1514	SS-12	27A	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24	12	2.0			NEW		1				SOIL	1									
1488	SS-12	27B	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24	4.0			ADD TO ASSEMBLY		1														1
1604	SS-12	27C	M6-1_R(21)	1	DIRECTIONAL ARROW (Right) - 21x15	21	15	2.2			ADD TO ASSEMBLY		1														
1656	SS-12	28	D1-2d	1	CIRCULAR INTERSECTION DESTINATION (2 Line)	54	30	11.3						NEW		11.3	SOIL	2									"Nassau, Milford" with arrows
1667	SS-12	29	D1-3d	1	CIRCULAR INTERSECTION DESTINATION (3 Line)	54	42	15.8						NEW		15.8	SOIL	2									"Beaches, Nassau, Milford" with arrows
1534	SS-12	30A	M4-5(24)	1	TO - 24x12	24	12	2.0						NEW		2.0		2									
1508	SS-12	30B	M3-1(24)	1	CARDINAL DIRECTION - NORTH - 24x12	24	12	2.0						ADD TO ASSEMBLY		2.0	SOIL										
1488	SS-12	30C	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24	4.0						ADD TO ASSEMBLY		4.0											1
1592	SS-12	30D	M5-2_R	1	ADVANCE TURN ARROW (Right - 45)	21	15	2.2						ADD TO ASSEMBLY		2.2											
1514	SS-12	31A	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24	12	2.0						NEW		2.0	SOIL	2									
1488	SS-12	31B	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24	4.0						ADD TO ASSEMBLY		4.0											1
1619	SS-12	31C	M5-3(21)	1	DIRECTIONAL ARROW (Up) - 21x15	21	15	2.2						ADD TO ASSEMBLY		2.2											
851	SS-12	32A	W2-6(30)	1	CIRCULAR INTERSECTION - 30x30	30	30	6.3			NEW		1				SOIL	1									
1367	SS-12	32B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	30	9	1.9			ADD TO ASSEMBLY		1														Janice Rd (Highway Font C, 4", Normal Kerning)
50	SS-12	33	R2-1-35(24)	1	SPEED LIMIT (35 MPH - 24x30)	24	30	5.0			NEW		1				SOIL	1									
1685	SS-12	34A	D3-2-DE1	1	WELCOME TO	36	32	8.0						NEW		8.0	SOIL	2									
1686	SS-12	34B	D3-2-DE2	1	DEVELOPMENT NAME	36	24	6.0						ADD TO ASSEMBLY		6.0											Mill Pond Acres
1656	SS-12	35	D1-2d	1	CIRCULAR INTERSECTION DESTINATION (2 Line)	36	30	7.5			NEW		1				SOIL	1									"Minos Conaway Rd" with arrow
4	SS-12	36	R1-1(36)	1	STOP	36	36		7.5		NEW		1				SOIL	1									
359	SS-12	37A	R5-1(36)	1	DO NOT ENTER - 36x36	36	36		9.0		NEW		1				SOIL	1									
362	SS-12	37B	R5-1a(36)	1	WRONG WAY - 36x24	36	24		6.0		ADD TO ASSEMBLY		1														
359	SS-12	38A	R5-1(36)	1	DO NOT ENTER - 36x36	36	36		9.0		NEW		1				SOIL	1									
362	SS-12	38B	R5-1a(36)	1	WRONG WAY - 36x24	36	24		6.0		ADD TO ASSEMBLY		1														
252	SS-13	1	R3-20-DE	1	TURN LANE	18	18				REMOVE	1															
1685	SS-13	2A	D3-2-DE1	1	WELCOME TO	36	32				REMOVE	1															
1686	SS-13	2B	D3-2-DE2	1	DEVELOPMENT NAME	36	24				REMOVE	1															
362	SS-13	3	R5-1a(36)	1	WRONG WAY - 36x24	36	24				REMOVE	1															
1300	SS-13	4	W13-2_FY(24)	1	ADVISORY EXIT SPEED - 24x30 (Fluorescent Yellow)	24	30		5.0		NEW		1				SOIL	1									25
851	SS-13	5A	W2-6(30)	1	CIRCULAR INTERSECTION - 30x30	30	30	6.3			NEW		1				SOIL	1									
1368b	SS-13	5B	W16-8aP	1	ADVANCE STREET NAME (3 - line plaque)	42	18	5.3			ADD TO ASSEMBLY		1														"SR 1 South, Minos Conaway Rd" with arrows (Highway Font C, 4", Normal Kerning)
1514	SS-13	6A	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24	12	2.0			NEW		1				SOIL										
1488	SS-13	6B	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24	4.0			ADD TO ASSEMBLY		1					1									1
1595	SS-13	6C	M5-3_L	1	ADVANCE TURN ARROW (Left - curved-stem)	21	15	2.2			ADD TO ASSEMBLY		1														
1534	SS-13	7A	M4-5(24)	1	TO - 24x12	24	12	2.0			NEW		1				SOIL										
1508	SS-13	7B	M3-1(24)	1	CARDINAL DIRECTION - NORTH - 24x12	24	12	2.0			ADD TO ASSEMBLY		1														
1488	SS-13	7C	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24	4.0			ADD TO ASSEMBLY		1					1									1
1638	SS-13	7D	M6-7_R(21)	1	DIRECTIONAL ARROW AUXILIARY (Up - 45 Right) - 21x15	21	15	2.2			ADD TO ASSEMBLY		1														
50	SS-13	8	R2-1-35(24)	1	SPEED LIMIT (35 MPH - 24x30)	24	30	5.0			NEW		1				SOIL	1									
362	SS-13	9	R5-1a(36)	1	WRONG WAY - 36x24	36	24		6.0		NEW		1				SOIL	1									
362	SS-13	10	R5-1a(36)	1	WRONG WAY - 36x24	36	24		6.0		NEW		1				SOIL	1									
359	SS-14	1	R5-1(36)	1	DO NOT ENTER - 36x36	36	36				REMOVE	1															
8	SS-14	2	R1-2(36)	1	YIELD	36	36				REMOVE	1															
359	SS-14	3	R5-1(36)	1	DO NOT ENTER - 36x36	36	36				REMOVE	1															
395	SS-14	4	R6-1_L(54)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 54x18	54	18	6.8			RENEW	1	1														
8	SS-14	5	R1-2(36)	1	YIELD	36	36				REMOVE	1															
359	SS-14	6	R5-1(36)	1	DO NOT ENTER - 36x36	36	36				REMOVE	1															
1674	SS-14	7A	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	42	12				REMOVE	2															"Mill Creek Rd"
4	SS-14	7B	R1-1(36)	1	STOP	36	36				REMOVE	1															
1674	SS-14	7C	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	42	12	7.0			NEW		2				SOIL	2									"NASSAU RD" (Highway Font C, 6/4", Normal Kerning)
1674	SS-14	7D	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12	8.0			NEW		2														"Mill Creek Rd" (Highway Font C, 6/4", Normal Kerning)
4	SS-14	7E	R1-1(36)	1	STOP	36	36		7.5		ADD TO ASSEMBLY		1														
1656	SS-14	8A	D1-2d	1	CIRCULAR INTERSECTION DESTINATION (2 Line)	66	30				REMOVE	1															
1656	SS-14	8B	D1-2d	1	CIRCULAR INTERSECTION DESTINATION (2 Line)	66	30	13.8			NEW		1				SOIL	1									"Greystone Manor" with arrow
1301	SS-14	9	W13-2_FY(36)	1	ADVISORY EXIT SPEED - 36x48 (Fluorescent Yellow)	36	48		12.0					NEW		12.0	SOIL	2									"Greystone Manor" with arrow
1653	SS-14	10A	D1-2	1	DESTINATION (2 Line)	48	30				REMOVE	1															
1686	SS-14	10B	D3-2-DE2	1	DEVELOPMENT NAME	36	24				REMOVE	1															
252	SS-14	10C	R3-20-DE	1	TURN LANE	18	18				REMOVE	1															
			PAGE TOTALS					200	78	0		18	44		0	71		35	0	0	0		0	0	0	0	

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY:	
COUNTY	CHECKED BY:	
SUSSEX		

SIGN SCHEDULE

SECTION: JMT
SHEET NO.: 297

09-JAN-2025
11:10
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PERMANENT SIGN SCHEDULE - ROADWAY

#	SHEET NO.	PLAN IDENTIFIER	SIGN DESIGNATION	QTY.	DESCRIPTION	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	X13 / ITEM 819001 FLAT SHEET ALUMINUM, TYPE IV, RETROREFLECTIVE SHEETING (SF)	X14 / ITEM 819003 FLAT SHEET ALUMINUM, TYPE XI, RETROREFLECTIVE SHEETING (SF)	X15 / ITEM 819512 SIGN POST REFLECTIVE PANEL (EA)	ITEM 819018 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE POST (EACH)			ITEM 819019 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS (SF)			POST INSTALLATION TYPE	X16 / ITEM 819011 12' SIGNPOSTS W/ BASEPOSTS & HARDWARE (EACH)	X17 / ITEM 819023 15' SIGNPOSTS W/ BASEPOSTS & HARDWARE (EACH)	ITEM 819016 4" HOLE, 0-6" (EACH)	ITEM 819017 4" HOLE, >6" (EACH)	SIGN DISPOSITION	X14A FLAT SHEET ALUMINUM SIGN PANELS (TYPE X) SHEETING - SIGNS ON POLES, SPAN WIRES, MAST ARMS (TRAFFIC SUPPLY)	ITEM 822500 INSTALL OVERHEAD SIGN (SF) ON SIGNAL POLES TRAFFIC CONTRACTOR ITEM, EXCEPT FOR PILOT PROJECTS	ITEM 823003 REMOVAL OF SIGN ON SPAN WIRE OR MAST ARM (EA) TRAFFIC CONTRACTOR ITEM, EXCEPT FOR PILOT PROJECTS	ITEM 821005 INSTALLATION OF SIGN ON BARRIER MOUNTED SIGN SUPPORT (SF)	REMARKS
											SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL											
1685	SS-14	11A	D3-2-DE1	1	WELCOME TO	36	32							REMOVE	8.0													
1686	SS-14	11B	D3-2-DE2	1	DEVELOPMENT NAME	36	24							REMOVE	6.0													"Mill Pond Acres"
742	SS-14	12A	W1-4_R_FY(30)	1	REVERSE CURVE (Right) - 30x30 (Fluorescent Yellow)	30	30		6.3		NEW		1				SOIL	1									
1279A	SS-14	12B	W13-1P-15_FY(18)	1	ADVISORY SPEED (15 MPH) 18x18 (Fluorescent Yellow)	18	18				NEW		1														35 MPH
362	SS-14	13	R5-1a(36)	1	WRONG WAY - 36x24	36	24				REMOVE	1															
359	SS-14	15	R5-1(36)	1	DO NOT ENTER - 36x36	36	36				REMOVE	1															
1673	SS-14	16A	D3-1(9)	1	STREET NAME (1 Line)	36	9				REMOVE	1															"DEVON RD"
393	SS-14	16B	R6-1_R(54)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 54x18	54	18				REMOVE	1															
4	SS-14	16C	R1-1(36)	1	STOP	36	36				REMOVE	1															
408	SS-14	16D	R6-3a(30)	1	DIVIDED HIGHWAY CROSSING (T - Intersection) - 30x24	30	24				REMOVE	1															
1674	SS-15	1A	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12	8.0			NEW		2				SOIL	2									"Nassau Rd" (Highway Font C, 6/4", Normal Kerning)
1674	SS-15	1B	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	42	12	7.0			ADD TO ASSEMBLY		2														"Greystone Dr" (Highway Font C, 6/4", Normal Kerning)
4	SS-15	1C	R1-1(36)	1	STOP	36	36		7.5		ADD TO ASSEMBLY		1														
252	SS-15	2	R3-20-DE	1	TURN LANE	18	18				REMOVE	1															
8	SS-15	3	R1-2(36)	1	YIELD	36	36				REMOVE	1															
8	SS-15	4	R1-2(36)	1	YIELD	36	36				REMOVE	1															
393	SS-15	5A	R6-1_R(54)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 54x18	54	18				REMOVE	1															
4	SS-15	5B	R1-1(36)	1	STOP	36	36				REMOVE	1															
408	SS-15	5C	R6-3a(30)	1	DIVIDED HIGHWAY CROSSING (T - Intersection) - 30x24	30	24				REMOVE	1															
395	SS-15	6	R6-1_L(54)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 54x18	54	18				REMOVE	1															
1508	SS-15	7A	M3-1(24)	1	CARDINAL DIRECTION - NORTH - 24x12	24	12	2.0			NEW		1				SOIL	1									
1488	SS-15	7B	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24	4.0			ADD TO ASSEMBLY		1														1
1619	SS-15	7C	M6-3(21)	1	DIRECTIONAL ARROW (Up) - 21x15	21	15	2.2			ADD TO ASSEMBLY		1														
900	SS-15	8	W4-1_R(36)	1	MERGE (Right) - 36x36	36	36	9.0			NEW		1													9.0	SIGN TO BE BARRIER MOUNTED
1653	SS-16	1A	D1-2	1	DESTINATION (2 Line)	60	30							REMOVE	12.5												"Red Mill Pond"
1907	SS-16	1B	I-3(36)	1	GEOGRAPHICAL FEATURES	54	36	13.5						NEW		13.5	SOIL	2									"Red Mill Pond" (Highway Font EM, 8", Normal Kerning)
252	SS-16	2	R3-20-DE	1	TURN LANE	18	18				REMOVE	1															
149	SS-16	3A	R3-9dP	1	END (plaque)	30	12				REMOVE	1															
424	SS-16	3B	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24				REMOVE	1															
149	SS-16	3C	R3-9dP	1	END (plaque)	30	12	2.5			NEW		1				SOIL	1									
424	SS-16	3D	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24	3.0			ADD TO ASSEMBLY		1														
823	SS-18	1A	W2-2_R(36)	1	SIDE ROAD (Perpendicular - Right) - 36x36	36	36				REMOVE	1															
1367	SS-18	1B	W16-9P	1	ADVANCE STREET NAME (1 - line plaque)	30	9				REMOVE	1															"NEW RD"
311	SS-18	2A	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30				REMOVE	1															
311	SS-18	2B	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0			NEW		1				NEW CONCRETE	1									
311	SS-18	3A	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30				REMOVE	1															
311	SS-18	3B	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0			NEW		1				NEW CONCRETE	1									
4	SS-18	4	R1-1(36)	1	STOP	36	36		7.5		RENEW	1	1														
1685	SS-18	5A	D3-2-DE1	1	WELCOME TO	36	32	8.0						RENEW	8.0	8.0	SOIL										
1686	SS-18	5B	D3-2-DE2	1	DEVELOPMENT NAME	36	24	6.0						RENEW	6.0	6.0											"Reserves Of Nassau"
304	SS-18	6	R4-4	1	BEGIN RIGHT TURN LANE YIELD TO BIKES	36	30				REMOVE	1															
4	SS-18	7	R1-1(36)	1	STOP	36	36		7.5		RENEW	1	1														
871A	SS-18	8A	W3-1(36)	1	STOP AHEAD (Symbol) - 36x36	36	36				REMOVE	1															
1367	SS-18	8B	W16-9P	1	ADVANCE STREET NAME (1 - line plaque)	42	9				REMOVE	1															"COASTAL HWY"
1514	SS-18	9A	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24	12	2.0			NEW		1														
1488	SS-18	9B	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24	4.0			ADD TO ASSEMBLY		1				SOIL	1									1
1595	SS-18	9C	M5-3_L	1	ADVANCE TURN ARROW (Left - curved-stem)	21	15	2.2			ADD TO ASSEMBLY		1														
1508	SS-18	10A	M3-1(24)	1	CARDINAL DIRECTION - NORTH - 24x12	24	12	2.0			NEW		1														
1488	SS-18	10B	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24	4.0			ADD TO ASSEMBLY		1				SOIL	1									1
1619	SS-18	10C	M6-3(21)	1	DIRECTIONAL ARROW (Up) - 21x15	21	15	2.2			ADD TO ASSEMBLY		1														
851	SS-18	11A	W2-6(30)	1	CIRCULAR INTERSECTION - 30x30	30	30	6.3			NEW		1				SOIL	1									
1367	SS-18	11B	W16-9P	1	ADVANCE STREET NAME (1 - line plaque)	24	9	1.5			ADD TO ASSEMBLY		1														"New Rd"
894	SS-18	12	SR1-16-DE	1	STOP (shared-use path only)	24	42	7.0			NEW		1				SOIL	1									
1836	SS-18	13A	D11-1	1	BIKE ROUTE	24	18	3.0			NEW		1				SOIL	1									
1621	SS-18	13B	M6-4(B)	1	DIRECTIONAL ARROW AUXILIARY (Left and Right) - 12x9	12	9	0.8			ADD TO ASSEMBLY		1														
371	SS-18	14	R5-3	1	NO MOTOR VEHICLES	24	24	4.0			NEW		1				SOIL	1									
870	SS-18	15	W3-1(18)	1	STOP AHEAD (Symbol) - 18x18	18	18	2.3			NEW		1				SOIL	1									
1667	SS-18	16	D1-3d	1	CIRCULAR INTERSECTION DESTINATION (3 Line)	60	42	17.5						NEW		17.5	SOIL	2									"Beaches, milford, Lewes" with arrows
4	SS-18	17	R1-1(36)	1	STOP	36	36		7.5		NEW		1				SOIL	1									
8	SS-18	1	R1-2(36)	1	YIELD	36	36		3.9		NEW		1				SOIL	1									
410	SS-19	2	R6-4	1	ROUNDABOUT DIRECTIONAL (2 chevrons)	30	24	5.0			NEW		1				SOIL	1									"NEW RD"
1674	SS-19	3A	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	30	12				REMOVE	2															"NASSAU RD"
1674	SS-19	3B	D3-1(12)	2	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12				REMOVE	2															
4	SS-19	3C	R1-1(36)	1	STOP	36	36				REMOVE	1															
618	SS-19	3D	R12-1(24)	1	WEIGHT LIMITS XX TONS - 24x30	24	30				REMOVE	1															
8	SS-19	4	R1-2(36)	1	YIELD	36	36		3.9		NEW		1				SOIL	1									
8	SS-19	5	R1-2(36)	1	YIELD	36	36		3.9		NEW		1				SOIL	1									
410	SS-19	6	R6-4	1	ROUNDABOUT DIRECTIONAL (2 chevrons)	30	24	5.0			NEW		1				SOIL	1									
410	SS-19	7	R6-4	1	ROUNDABOUT DIRECTIONAL (2 chevrons)	30	24	5.0			NEW		1				SOIL	1									
410	SS-19	8	R6-4	1	ROUNDABOUT DIRECTIONAL (2 chevrons)	30	24	5.0			NEW		1				SOIL	1									
779	SS-19	9A	W1-7(60)	1	TWO DIRECTIONAL LARGE ARROW - 60x30	60	30							REMOVE	12.5												
					PAGE TOTALS			154	48	0		31	38		53	45		26	0	0	0		0	0	0	9	

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY:	
COUNTY	CHECKED BY:	
SUSSEX		

SIGN SCHEDULE

SECTION	
JMT	
SHEET NO.	
298	

09-JAN-2025
15:01
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PERMANENT SIGN SCHEDULE - ROADWAY

#	SHEET NO.	PLAN IDENTIFIER	SIGN DESIGNATION	QTY.	DESCRIPTION	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	X13 / ITEM 818001 FLAT SHEET ALUMINUM, TYPE IV, RETROREFLECTIVE SHEETING (SF)	X14 / ITEM 818003 FLAT SHEET ALUMINUM, TYPE XI, RETROREFLECTIVE SHEETING (SF)	X15 / ITEM 818612 SIGN POST REFLECTIVE PANEL (EA)	ITEM 819018 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE POST (EACH)			ITEM 819019 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS (SF)			POST INSTALLATION TYPE	X16 / ITEM 819011 12' SIGNPOSTS W/ BASEPOSTS & HARDWARE (EACH)	X17 / ITEM 819023 15' SIGNPOSTS W/ BASEPOSTS & HARDWARE (EACH)	ITEM 819016 4" HOLE, 0-6' (EACH)	ITEM 819017 4" HOLE, >6' (EACH)	SIGN DISPOSITION	X14A FLAT SHEET ALUMINUM SIGN PANELS (TYPE X SHEETING) - SIGNS ON POLES, SPAN WIRES, MAST ARMS (TRAFFIC SUPPLY)	ITEM 822500 INSTALL OVERHEAD SIGN (SF) ON SIGNAL POLES TRAFFIC CONTRACTOR ITEM EXCEPT FOR PILOT PROJECTS	ITEM 823003 REMOVAL OF SIGN ON SPAN WIRE OR MAST ARM (EA) TRAFFIC CONTRACTOR ITEM, EXCEPT FOR PILOT PROJECTS	ITEM 821005 INSTALLATION OF SIGN ON BARRIER MOUNTED SIGN SUPPORT (SF)	REMARKS
											SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL											
1964	SS-19	9B	OM4-3	1	END OF ROAD OBJECT MARKER	18	18				REMOVE	1																
1964	SS-19	9C	OM4-3	1	END OF ROAD OBJECT MARKER	18	18				REMOVE	1																
694	SS-19	10	SR1-16-DE	1	STOP (shared-use path only)	24	42	7.0			NEW		1				SOIL	1										
694	SS-19	11	SR1-16-DE	1	STOP (shared-use path only)	24	42	7.0			NEW		1				SOIL	1										
694	SS-19	12	SR1-16-DE	1	STOP (shared-use path only)	24	42	7.0			NEW		1				SOIL	1										
8	SS-19	13	R1-2(36)	1	YIELD	36	36		3.9		NEW		1				SOIL	1										
1534	SS-19	14A	M4-5(24)	1	TO - 24x12	24	12	2.0			NEW		1															
1508	SS-19	14B	M3-1(24)	1	CARDINAL DIRECTION - NORTH - 24x12	24	12	2.0			ADD TO ASSEMBLY		1				SOIL	1										
1488	SS-19	14C	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24	4.0			ADD TO ASSEMBLY		1															1
1627	SS-19	14D	M6-5_L(21)	1	DIRECTIONAL ARROW (Left to Right - 45) - 21x15	21	15	2.2			ADD TO ASSEMBLY		1															
1514	SS-19	15A	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24	12	2.0			NEW		1															
1488	SS-19	15B	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24	4.0			ADD TO ASSEMBLY		1				SOIL	1										1
1627	SS-19	15C	M6-5_L(21)	1	DIRECTIONAL ARROW (Left to Right - 45) - 21x15	21	15	2.2			ADD TO ASSEMBLY		1															
311	SS-19	16	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0			NEW		1				NEW CONCRETE	1										
311	SS-19	17	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0			NEW		1				NEW CONCRETE	1										
311	SS-19	18	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0			NEW		1				NEW CONCRETE	1										
311	SS-19	19	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0			NEW		1				NEW CONCRETE	1										
1169	SS-19	20A	W11-2(30)	1	PEDESTRIAN (Symbol) - 30x30	30	30	6.3			NEW		1				SOIL	1										
1359	SS-19	20B	W16-7P_L(24)	1	LEFT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24	12	2.0			ADD TO ASSEMBLY		1															
1169	SS-19	21A	W11-2(30)	1	PEDESTRIAN (Symbol) - 30x30	30	30	6.3			NEW		1				SOIL	1										
1359	SS-19	21B	W16-7P_L(24)	1	LEFT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24	12	2.0			ADD TO ASSEMBLY		1															
1667	SS-19	22	D1-3d	1	CIRCULAR INTERSECTION DESTINATION (3 Line)	72	42	21.0						NEW		21.0	SOIL	2										"Beaches, Milford, Wilmington" with arrows
42	SS-19	23	R2-1-25(24)	1	SPEED LIMIT (25 MPH - 24x30)	24	30	5.0			NEW		1				SOIL	1										
50	SS-19	24	R2-1-35(24)	1	SPEED LIMIT (35 MPH - 24x30)	24	30	5.0			NEW		1				SOIL	1										
50	SS-19	25	R2-1-35(24)	1	SPEED LIMIT (35 MPH - 24x30)	24	30	5.0			NEW		1				SOIL	1										
1656	SS-19	26	D1-2d	1	CIRCULAR INTERSECTION DESTINATION (2 Line)	60	30	12.5						NEW		12.5	SOIL	2										"Lwews, Beaches" with arrows
1667	SS-19	27	D1-3d	1	CIRCULAR INTERSECTION DESTINATION (3 Line)	72	42	21.0						NEW		21.0	SOIL	2										"Milford, Wilmington, Lwes" with arrows
1836	SS-19	29A	D11-1	1	BIKE ROUTE	24	18	3.0			NEW		1				SOIL	1										
1621	SS-19	29B	M6-4(B)	1	DIRECTIONAL ARROW AUXILIARY (Left and Right) - 12x9	12	9	0.8			ADD TO ASSEMBLY		1															
371	SS-19	30	R5-3	1	NO MOTOR VEHICLES	24	24	4.0			NEW		1				SOIL	1										
870	SS-19	31	W3-1(18)	1	STOP AHEAD (Symbol) - 18x18	18	18	2.3			NEW		1				SOIL	1										
1924	SS-20	1A	EM-1-DE	1	EVACUATION ROUTE	24	24	4.0			RENEW	1	1				SOIL											
1620	SS-20	1B	M6-3(30)	1	DIRECTIONAL ARROW (Up) - 30x21	30	21	4.4			RENEW	1	1															
874A	SS-20	2A	W3-2(36)	1	YIELD AHEAD (Symbol) - 36x36	36	36				REMOVE	1																
1367	SS-20	2B	W16-9P	1	ADVANCE STREET NAME (1 - line plaque)	42	9				REMOVE	1																"COASTAL HWY"
50	SS-20	3	R2-1-35(24)	1	SPEED LIMIT (35 MPH - 24x30)	24	30	5.0			RENEW	1	1				SOIL											
828	SS-20	4A	W2-2_L(36)	1	SIDE ROAD (Perpendicular - Left) - 36x36	36	36				REMOVE	1																
1367	SS-20	4B	W16-9P	1	ADVANCE STREET NAME (1 - line plaque)	36	9				REMOVE	1																"NEW RD"
1534	SS-20	5A	M4-5(24)	1	TO - 24x12	24	12	2.0			NEW		1															
1514	SS-20	5B	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24	12	2.0			ADD TO ASSEMBLY		1				SOIL	1										
1488	SS-20	5C	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24	4.0			ADD TO ASSEMBLY		1															1
1632	SS-20	5D	M6-6_R(21)	1	DIRECTIONAL ARROW AUXILIARY (Up - Right) - 21x15	21	15	2.2			ADD TO ASSEMBLY		1															
851	SS-20	6A	W2-6(30)	1	CIRCULAR INTERSECTION - 30x30	30	30	6.3			NEW		1															
1367	SS-20	6B	W16-9P	1	ADVANCE STREET NAME (1 - line plaque)	24	9	1.5			ADD TO ASSEMBLY		1				SOIL	1										"New Rd" (Highway Font C, 4", Normal Kerning)
1660	SS-20	7A	D1-3	1	DESTINATION (3 Line)	42	42	12.3						NEW		12.3	SOIL	2										"UNIVERSITY OF DELAWARE"
1607	SS-20	7B	M6-1_L(30)	1	DIRECTIONAL ARROW (Left) - 30x21	30	21	4.4						ADD TO ASSEMBLY		4.4												
1660	SS-20	8A	D1-3	1	DESTINATION (3 Line)	42	42							REMOVE	12.3													"UNIVERSITY OF DELAWARE"
1607	SS-20	8B	M6-1_L(30)	1	DIRECTIONAL ARROW (Left) - 30x21	30	21							REMOVE	4.4													
54	SS-21	1	R2-1-40(24)	1	SPEED LIMIT (40 MPH - 24x30)	24	30				REMOVE	1																
1534	SS-21	2A	M4-5(24)	1	TO - 24x12	24	12				REMOVE	1																
1514	SS-21	2B	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24	12				REMOVE	1																
1488	SS-21	2C	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24				REMOVE	1																1
1605	SS-21	2D	M6-1_L(21)	1	DIRECTIONAL ARROW (Left) - 21x15	21	15				REMOVE	1																
1334	SS-21	3	W16-1P(24)	1	SHARE THE ROAD (plaque) - 24x30	24	30				REMOVE	1																
1534	SS-21	4A	M4-5(24)	1	TO - 24x12	24	12				REMOVE	1																
1508	SS-21	4B	M3-1(24)	1	CARDINAL DIRECTION - NORTH - 24x12	24	12				REMOVE	1																
1488	SS-21	4C	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24				REMOVE	1																1
1604	SS-21	4D	M6-1_R(21)	1	DIRECTIONAL ARROW (Right) - 21x15	21	15				REMOVE	1																
871a	SS-21	5A	W3-1(36)	1	STOP AHEAD (Symbol) - 36x36	36	36				REMOVE	1																
1367	SS-21	5B	W16-9P	1	ADVANCE STREET NAME (1 - line plaque)	36	9				REMOVE	1																"NASSAU RD"
851	SS-21	6A	W2-6(30)	1	CIRCULAR INTERSECTION - 30x30	30	30	6.3			NEW		1				SOIL	1										
1367	SS-21	6B	W16-9P	1	ADVANCE STREET NAME (1 - line plaque)	30	9	1.9			ADD TO ASSEMBLY		1															"Nassau Rd" (Highway Font C, 4", Normal Kerning)
1534	SS-21	7A	M4-5(24)	1	TO - 24x12	24	12	2.0			NEW		1															
1508	SS-21	7B	M3-1(24)	1	CARDINAL DIRECTION - NORTH - 24x12	24	12	2.0			ADD TO ASSEMBLY		1				SOIL	1										
1488	SS-21	7C	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24	4.0			ADD TO ASSEMBLY		1															1
1632	SS-21	7D	M6-6_R(21)	1	DIRECTIONAL ARROW AUXILIARY (Up - Right) - 21x15	21	15	2.2			ADD TO ASSEMBLY		1															
1534	SS-21	8A	M4-5(24)	1	TO - 24x12	24	12	2.0			NEW		1															
1514	SS-21	8B	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24	12	2.0			ADD TO ASSEMBLY		1				SOIL	1										
1488	SS-21	8C	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24	4.0			ADD TO ASSEMBLY		1															1
1619	SS-21	8D	M6-3(21)	1	DIRECTIONAL ARROW (Up) - 21x15	21	15	2.2			ADD TO ASSEMBLY		1															
1165A	SS-21	9	W11-1-DE(36)	1	BICYCLE (Symbol) IN LANE - 36x36	36	36	9.0			NEW		1															
50	SS-21	10	R2-1-35(24)	1	SPEED LIMIT (35 MPH - 24x30)	24	30	5.0			NEW		1				SOIL	1										
42	333	1	R2-1-25(24)	1	SPEED LIMIT (25 MPH - 24x30)	24	30	5.0			NEW		1				SOIL	1										
3	333	2	R1-1(30)	1	STOP	30	30		5.2		NEW		1				SOIL	1										
428	333	3	R7-8	1	RESERVED PARKING (Disabilities - symbols)	12	18	1.5			NEW		1				SOIL	1										
428	333	4	R7-8	1	RESERVED PARKING (Disabilities - symbols)	12	18	1.5			NEW		1				SOIL	1										
428		5	R7-8	1	RESERVED PARKING (Disabilities - symbols)	12	18	1.5			NEW		1				SOIL	1										
428		6	R7-8	1	RESERVED PARKING (Disabilities - symbols)	12	18	1.5			NEW		1				SOIL	1										
					PAGE TOTALS			257	9	0		21	53		17	71		38	0	0	0		0	0	0	0		
					JOB TOTALS			1547	402	0		243	305		206	517		226	0	1	0		0	0	0	108		

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

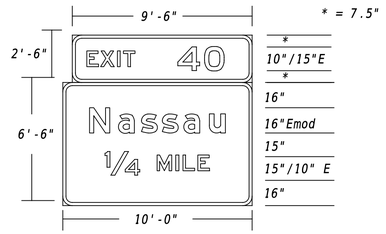
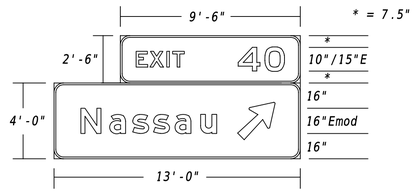
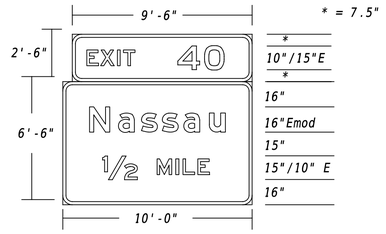
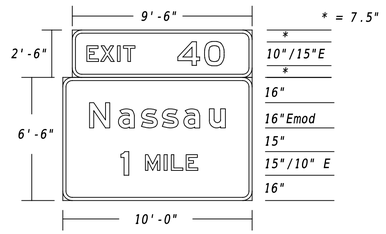
SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	X
T201612501	DESIGNED BY:	
COUNTY	CHECKED BY:	
SUSSEX		

SIGN SCHEDULE

SECTION
JMT
SHEET NO.
299

09-JAN-2025
15:17
Y:\SUSSEX\014\road\T201612501\Plans\SS29.dgn

PANEL DESIGNATION	SHEET NUMBER	QUANTITY	LEGEND	SIZE			COLOR		BORDER		ARROW	SHIELD	REMARKS
				AREA	HEIGHT	WIDTH	LEGEND	BCKGRND	WIDTH	RADIUS			
GM-1	SS-02	1		88.75 SF	2'-6"	9'-6"	W	G	2"	6"	--	--	- EXTRUDED ALUMINUM
					6'-6"	10'-0"	W	G	2"	6"	--	--	
GM-2 GM-3	SS-04 SS-14	2		75.75 SF	2'-6"	9'-6"	W	G	1.125"	6"	--	--	- EXTRUDED ALUMINUM
					4'-0"	13'-0"	W	G	1.125"	6"	(1) TYPE A @45° 23"	--	
GM-4	SS-17	1		88.75 SF	2'-6"	9'-6"	W	G	2"	6"	--	--	- EXTRUDED ALUMINUM
					6'-6"	10'-0"	W	G	2"	6"	--	--	
GM-5	SS-17	1		88.75 SF	2'-6"	9'-6"	W	G	2"	6"	--	--	- EXTRUDED ALUMINUM
					6'-6"	10'-0"	W	G	2"	6"	--	--	

NOTES:
1. COLORS: B=BLACK, BL=BLUE, BR=BROWN, G=GREEN, W=WHITE/SILVER, Y=YELLOW.
2. THE CONTRACTOR WILL FURNISH AND INSTALL ALL SIGNS SHOWN ON THIS SHEET.

GUIDE SIGN STEEL SUPPORT CHART

SIGN NO.	SHEET NO.	POST SIZE	* BW OR NBW	SUPPORT L - 1	SUPPORT L - 2	SUPPORT L - 3	LATERAL CLEARANCE		SUPPORT SPACING FROM LEFT EDGE OF SIGN
							OFFSET	OBJECT **	
GM-1	SS-02	W6x15	BW	18'-0"	18'-0"	-	10'-6"	FOC	2'-6'-2'
GM-2	SS-04	W8x18	BW	12'-6"	17'-0"	-	8'	FOC	2.6'-7.8'-2.6'
GM-3	SS-14	W8x18	BW	14'-0"	17'-0"	-	10'	ES	2.6'-7.8'-2.6'
GM-4	SS-17	W6x12	BW	17'-0"	16'-6"	-	8'	ES	2'-6'-2'
GM-5	SS-17	W6x15	BW	18'-0"	17'-6"	-	7'-6"	ES	2'-6'-2'

*BW = BREAKAWAY NBW = NON-BREAKAWAY

** OBJECT CODES
W = FACE OF W-BEAM TRAFFIC BARRIER
FOC = FACE OF CURB
ES = EDGE OF SHOULDER
ETR = EDGE OF TRAVELED ROADWAY
CM = CENTERED IN MEDIAN
CG = CENTERED IN GORE (6' MINIMUM FROM EDGE OF PAVEMENT)
EF = EDGE OF FENCE

NOTES:
1. REFERE TO T-20, T-21, T-22, T-23, T24, T-25, AND T-26 FOR ADDITIONL GROUND MOUNTED LATERAL CLEARNCE, SUPPORT, AND FOUNDATION INFORMATION.

ADDENDA / REVISIONS

NOT TO SCALE

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	
T201612501	DESIGNED BY:	S. HUMPHREY
COUNTY	CHECKED BY:	J. RASHID
SUSSEX		

GUIDE SIGN DETAILS

SS-25
SECTION
TD
SHEET NO.
300

22-AUG-2024
14:14
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ADDITIONAL SIGNAL NOTES

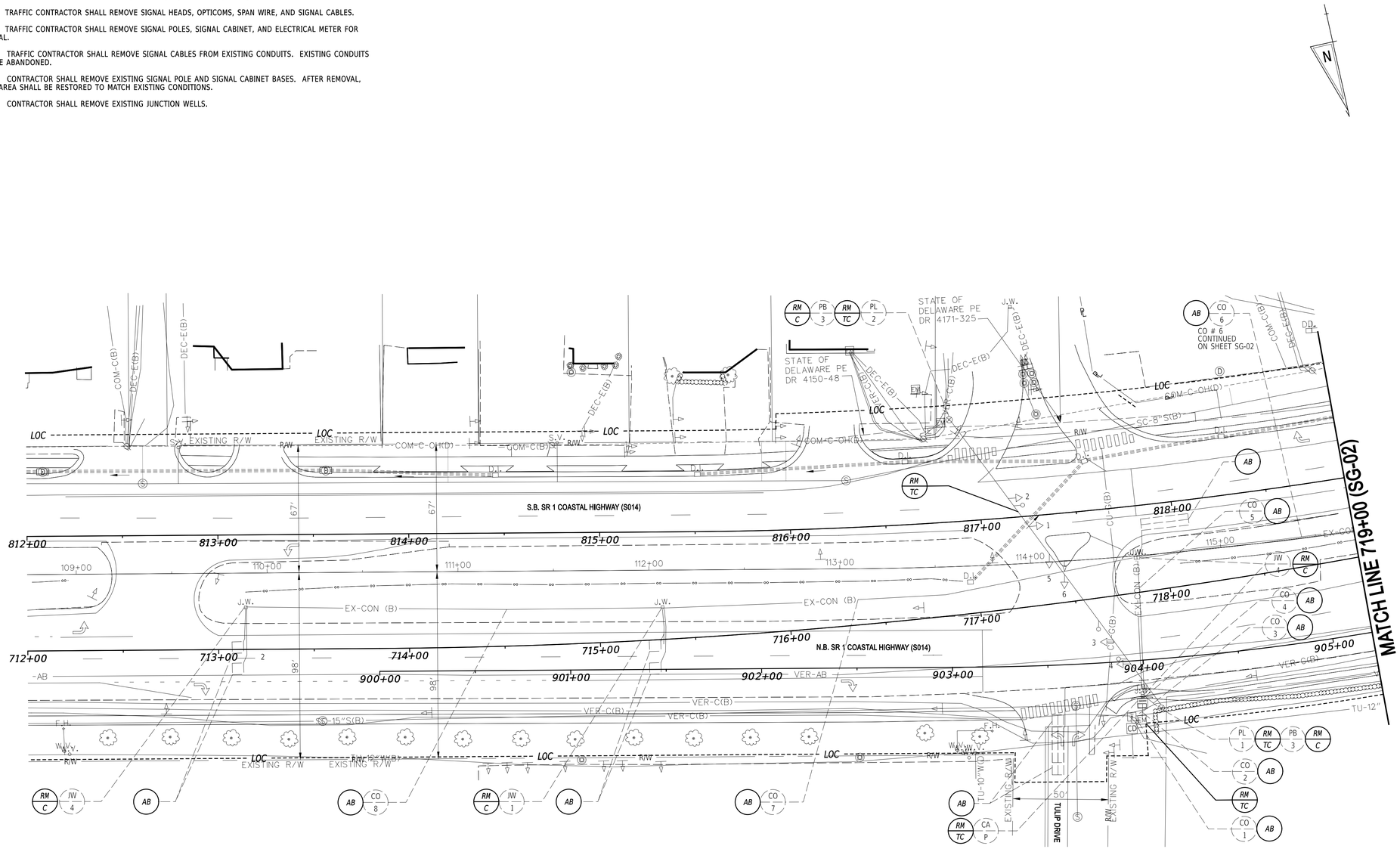
3. TRAFFIC CONTRACTOR SHALL REMOVE SIGNAL HEADS, OPTICOMS, SPAN WIRE, AND SIGNAL CABLES.

4. TRAFFIC CONTRACTOR SHALL REMOVE SIGNAL POLES, SIGNAL CABINET, AND ELECTRICAL METER FOR SIGNAL.

5. TRAFFIC CONTRACTOR SHALL REMOVE SIGNAL CABLES FROM EXISTING CONDUITS. EXISTING CONDUITS TO BE ABANDONED.

6. CONTRACTOR SHALL REMOVE EXISTING SIGNAL POLE AND SIGNAL CABINET BASES. AFTER REMOVAL, THE AREA SHALL BE RESTORED TO MATCH EXISTING CONDITIONS.

7. CONTRACTOR SHALL REMOVE EXISTING JUNCTION WELLS.



CONDUIT RUN SCHEDULE

CO NO.	NO. OF CONDUITS	SIZE/TYPE	LENGTH	INSTALL METHOD	AMOUNT AND TYPE OF CABLE / WIRE
*1	1	2"/-	3'	-	[REMOVE POWER CABLES], ABANDON
*2	1	2"/-	7'	-	[REMOVE POWER CABLES], ABANDON
*3	1	2.5"/-	10'	-	[REMOVE SIGNAL CABLES], ABANDON
*4	3	2.5"/-	2'	-	[REMOVE SIGNAL CABLES], ABANDON
*5	2	2.5",4"/-	70'	-	[REMOVE SIGNAL CABLES], ABANDON
*6	2	2.5",4"/-	370'	-	[REMOVE SIGNAL CABLES], ABANDON
*7	1	2.5"/-	248'	-	[REMOVE SIGNAL CABLES], ABANDON
*8	1	2.5"/-	217'	-	[REMOVE SIGNAL CABLES], ABANDON

** DENOTES EXISTING CONDUIT RUN.*
TYPES: HDPE, PVC, RGS
INSTALL METHODS: B=BORE, IB=IN BARRIER, OC=OPEN CUT, OS=ON STRUCTURE, T=TRENCH

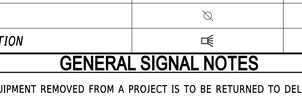
POLE SCHEDULE

POLE NO.	POLE TYPE	HEIGHT	MATERIAL
**1	SPAN	EX.	STEEL
**2	SPAN	EX.	STEEL

*** DENOTES EXISTING POLE TO BE REMOVED.*

SIGNAL PHASING

SIGNAL HEAD DIAGRAM



LEGEND

AB	ABANDON	OH #	EXISTING OVERHEAD RUN IDENTIFIER (# OF OVERHEAD RUN)
CA X	EXISTING CABINET IDENTIFIER (TYPE OF CABINET)	OH #	*PROPOSED OVERHEAD RUN IDENTIFIER (# OF OVERHEAD RUN)*
CA X	*PROPOSED CABINET IDENTIFIER (TYPE OF CABINET)*	PB X	EXISTING POLE BASE IDENTIFIER (TYPE OF POLE BASE)
CO #	EXISTING CONDUIT RUN IDENTIFIER (# OF CONDUIT RUN)	PB X	*PROPOSED POLE BASE IDENTIFIER (TYPE OF POLE BASE)*
CO #	*PROPOSED CONDUIT RUN IDENTIFIER (# OF CONDUIT RUN)*	PL X	EXISTING POLE IDENTIFIER (# OF POLE)
JW X	EXISTING JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)	PL X	*PROPOSED POLE IDENTIFIER (# OF POLE)*
JW X	*PROPOSED JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)*	RM C	*REMOVE BY CONTRACTOR*
MA XX	EXISTING MAST ARM IDENTIFIER (LENGTH OF ARM)	RM O	*REMOVE BY OTHERS*
MA XX	*PROPOSED MAST ARM IDENTIFIER (LENGTH OF ARM)*	RM TC	*REMOVE BY TRAFFIC CONTRACTOR*

	EXISTING SYMBOL	PROPOSED SYMBOL
JUNCTION WELL	J.W.	■
LOOP DETECTOR, TYPE 1		
LOOP DETECTOR, TYPE 2		
LUMINAIRE		
MAST ARM		
MICROWAVE DETECTION		
OPTICOM RECEIVER		
OVERHEAD SIGNING		
PEDESTRIAN POLE/BASE		
PEDESTRIAN PUSHBUTTON		
PEDESTRIAN SIGNAL HEAD		
RIGHT-OF-WAY		R/W
SERVICE PEDESTAL		P
SIGNAL CABINET		
SIGNAL HEAD		
SIGNAL POLE/BASE		
CCTV CAMERA		
SPAN WIRE	XX	
UTILITY POLE		
VIDEO DETECTION		

GENERAL SIGNAL NOTES

1. ALL SIGNAL EQUIPMENT REMOVED FROM A PROJECT IS TO BE RETURNED TO DELDOT TRAFFIC - DOVER, DELAWARE.
2. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY, AND/OR THE APPROPRIATE UTILITY PRIOR TO THE BEGINNING OF CONSTRUCTION FOR THE UTILITY MARKOUTS. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY DELDOT TRAFFIC IMMEDIATELY BEFORE CONSTRUCTION.

PREPARED BY
DELDOT - TRANSPORTATION SOLUTIONS
TRAFFIC DESIGN

Nan-Taswei Tetteh — 08/20/2024 (DATE)

THIS SEAL APPLIES TO ALL SHEETS BEARING THE "TD" SECTION DESIGNATION.

NA-TASWEI TETTEH — LICENSE No. 14933 — DELAWARE PROFESSIONAL ENGINEER — SEAL

CONCURRENCE FOR REMOVAL

CHIEF OF TRAFFIC ENGINEERING — 8/20/2024 (DATE)

ADDENDA / REVISIONS			

SCALE: 0 30 60 90 FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	T201612501	SG-01	
COUNTY	SUSSEX		
PERMIT NO.	S296	SIGNAL REMOVAL PLAN SR 1 @ TULIP DRIVE	SECTION TD
DESIGNED BY:	N. TETTEH		SHEET NO. 301
CHECKED BY:	M. SAINTIL		

LAST REVISED: 9/11/2018
18:14 20-JAN-2024
V:\Right\Signals\Sussex\S296\Design\CADD_DGN\Working\SG01_Signal Removal.dgn

ADDITIONAL SIGNAL NOTES

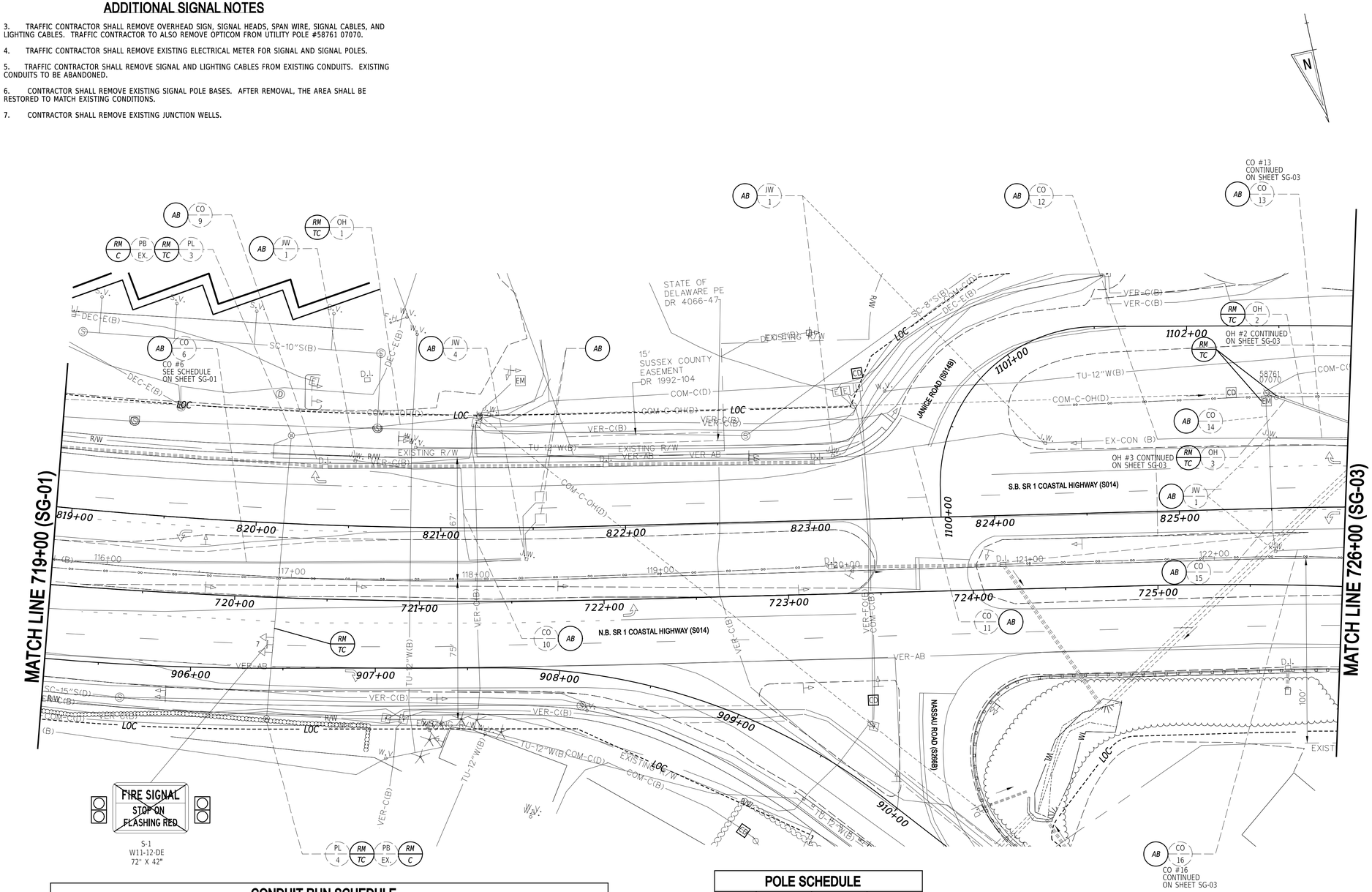
3. TRAFFIC CONTRACTOR SHALL REMOVE OVERHEAD SIGN, SIGNAL HEADS, SPAN WIRE, SIGNAL CABLES, AND LIGHTING CABLES. TRAFFIC CONTRACTOR TO ALSO REMOVE OPTICOM FROM UTILITY POLE #58761 07070.

4. TRAFFIC CONTRACTOR SHALL REMOVE EXISTING ELECTRICAL METER FOR SIGNAL AND SIGNAL POLES.

5. TRAFFIC CONTRACTOR SHALL REMOVE SIGNAL AND LIGHTING CABLES FROM EXISTING CONDUITS. EXISTING CONDUITS TO BE ABANDONED.

6. CONTRACTOR SHALL REMOVE EXISTING SIGNAL POLE BASES. AFTER REMOVAL, THE AREA SHALL BE RESTORED TO MATCH EXISTING CONDITIONS.

7. CONTRACTOR SHALL REMOVE EXISTING JUNCTION WELLS.



CONDUIT RUN SCHEDULE

CO NO.	NO. OF CONDUITS	SIZE/TYPE	LENGTH	INSTALL METHOD	AMOUNT AND TYPE OF CABLE / WIRE
*6					INFORMATION SHOWN ON SHEET SG-01
*9	1	2.5"/-	61'	-	[REMOVE SIGNAL CABLES], ABANDON
*10	1	2.5"/-	137'	-	[REMOVE SIGNAL CABLES], ABANDON
*11	1	2.5"/-	115'	-	[REMOVE SIGNAL CABLES], ABANDON
*12	1	2.5"/-	120'	-	[REMOVE SIGNAL CABLES], ABANDON
*13	2	1.5"/-	70'	-	[REMOVE SIGNAL CABLES], ABANDON [REMOVE POWER CABLES], ABANDON
*14	1	1.5"/-	23'	-	[REMOVE POWER CABLES], ABANDON
*15	1	2.5"/-	60'	-	[REMOVE SIGNAL CABLES], ABANDON
*16	1	1.5"/-	250'	-	[REMOVE SIGNAL CABLES], ABANDON

* DENOTES EXISTING CONDUIT RUN.
TYPES: HDPE, PVC, RGS
INSTALL METHODS: B=BORE, IB=IN BARRIER, OC=OPEN CUT, OS=ON STRUCTURE, T=TRENCH

POLE SCHEDULE

POLE NO.	POLE TYPE	HEIGHT	MATERIAL
**3	SPAN	EX.	STEEL
**4	SPAN	EX.	STEEL

** DENOTES EXISTING POLE TO BE REMOVED.

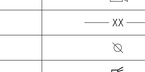
OVERHEAD SERVICE RUN SCHEDULE

OH NO.	SIZE	LENGTH	AMOUNT AND TYPE OF CABLE/WIRE
**1	AERIAL	100'	[REMOVE SIGNAL CABLES]
**2	AERIAL	75'	[REMOVE LIGHTING CABLES]
**3	AERIAL	75'	[REMOVE SIGNAL CABLES]

** DENOTES EXISTING WIRING TO BE REMOVED.

SIGNAL PHASING

SIGNAL HEAD DIAGRAM



LEGEND

AB	ABANDON	OH #	EXISTING OVERHEAD RUN IDENTIFIER (# OF OVERHEAD RUN)
CA X	EXISTING CABINET IDENTIFIER (TYPE OF CABINET)	OH #	*PROPOSED OVERHEAD RUN IDENTIFIER (# OF OVERHEAD RUN)*
CA X	*PROPOSED CABINET IDENTIFIER (TYPE OF CABINET)*	PB X	EXISTING POLE BASE IDENTIFIER (TYPE OF POLE BASE)
CO #	EXISTING CONDUIT RUN IDENTIFIER (# OF CONDUIT RUN)	PB X	*PROPOSED POLE BASE IDENTIFIER (TYPE OF POLE BASE)*
CO #	*PROPOSED CONDUIT RUN IDENTIFIER (# OF CONDUIT RUN)*	PL X	EXISTING POLE IDENTIFIER (# OF POLE)
JW X	EXISTING JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)	PL X	*PROPOSED POLE IDENTIFIER (# OF POLE)*
JW X	*PROPOSED JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)*	RM C	*REMOVE BY CONTRACTOR*
MA XX	EXISTING MAST ARM IDENTIFIER (LENGTH OF ARM)	RM O	*REMOVE BY OTHERS*
MA XX	*PROPOSED MAST ARM IDENTIFIER (LENGTH OF ARM)*	RM TC	*REMOVE BY TRAFFIC CONTRACTOR*

	EXISTING SYMBOL	*PROPOSED SYMBOL*
JUNCTION WELL	J.W.	■
LOOP DETECTOR, TYPE 1		
LOOP DETECTOR, TYPE 2		
LUMINAIRE		
MAST ARM		
MICROWAVE DETECTION		
OPTICOM RECEIVER		
OVERHEAD SIGNING		
PEDESTRIAN POLE/BASE		
PEDESTRIAN PUSHBUTTON		
PEDESTRIAN SIGNAL HEAD		
RIGHT-OF-WAY	R/W	R/W
SERVICE PEDESTAL		P
SIGNAL CABINET		
SIGNAL HEAD		
SIGNAL POLE/BASE		
CCTV CAMERA		
SPAN WIRE	XX	
UTILITY POLE		
VIDEO DETECTION		

GENERAL SIGNAL NOTES

1. ALL SIGNAL EQUIPMENT REMOVED FROM A PROJECT IS TO BE RETURNED TO DELDOT TRAFFIC - DOVER, DELAWARE.
2. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY, AND/OR THE APPROPRIATE UTILITY PRIOR TO THE BEGINNING OF CONSTRUCTION FOR THE UTILITY MARKOUTS. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY DELDOT TRAFFIC IMMEDIATELY BEFORE CONSTRUCTION.

PREPARED BY
DELDOT - TRANSPORTATION SOLUTIONS
TRAFFIC DESIGN

Nana-Atswei Tetteh — 08/20/2024
THIS SEAL APPLIES TO ALL SHEETS BEARING THE "TD" SECTION DESIGNATION. — DATE

NANA-ATSWEI TETTEH — LICENSE — No. 14933 — DELAWARE — PROFESSIONAL ENGINEER
SEAL

CONCURRENCE FOR REMOVAL

CHIEF OF TRAFFIC ENGINEERING — 8/20/2024 — DATE

SG-02

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	T201612501	PERMIT NO.	S228
COUNTY	SUSSEX	DESIGNED BY:	N. TETTEH
		CHECKED BY:	M. SAINTIL

SIGNAL REMOVAL PLAN SR 1@ LEWIS FIRE SIGNAL (NASSAU)

SECTION	SHEET NO.
TD	302

LAST REVISED: 9/11/2018
18-JAN-2024
11:50
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ADDITIONAL SIGNAL NOTES

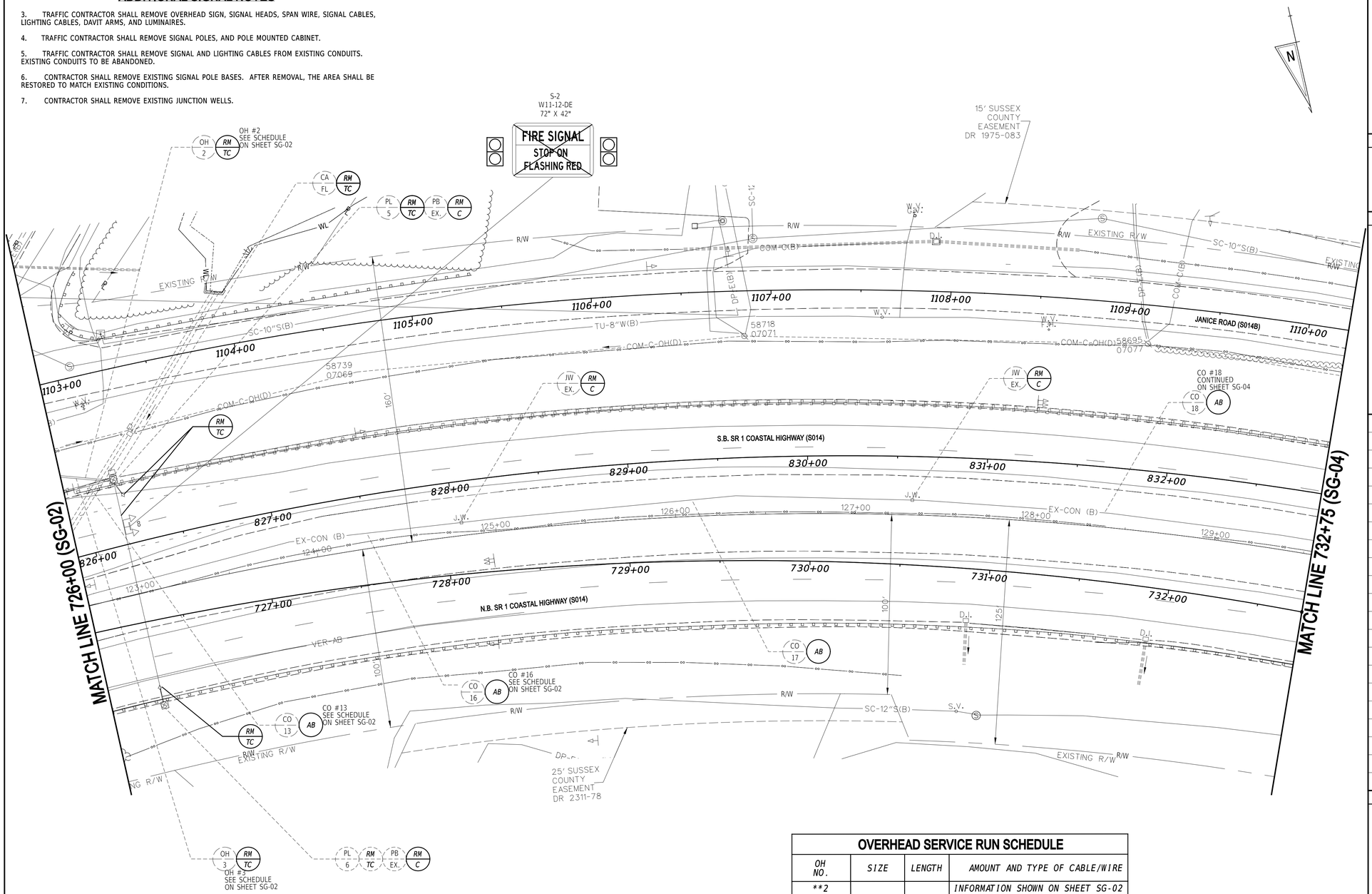
3. TRAFFIC CONTRACTOR SHALL REMOVE OVERHEAD SIGN, SIGNAL HEADS, SPAN WIRE, SIGNAL CABLES, LIGHTING CABLES, DAVIT ARMS, AND LUMINAIRES.

4. TRAFFIC CONTRACTOR SHALL REMOVE SIGNAL POLES, AND POLE MOUNTED CABINET.

5. TRAFFIC CONTRACTOR SHALL REMOVE SIGNAL AND LIGHTING CABLES FROM EXISTING CONDUITS. EXISTING CONDUITS TO BE ABANDONED.

6. CONTRACTOR SHALL REMOVE EXISTING SIGNAL POLE BASES. AFTER REMOVAL, THE AREA SHALL BE RESTORED TO MATCH EXISTING CONDITIONS.

7. CONTRACTOR SHALL REMOVE EXISTING JUNCTION WELLS.



CONDUIT RUN SCHEDULE

CO NO.	NO. OF CONDUITS	SIZE/TYPE	LENGTH	INSTALL METHOD	AMOUNT AND TYPE OF CABLE / WIRE
*13					INFORMATION SHOWN ON SHEET SG-02
*16					INFORMATION SHOWN ON SHOWN SG-02
*17	1	1.5"/-	250'	-	[REMOVE SIGNAL CABLES], ABANDON
*18	1	1.5"/-	255'	-	[REMOVE SIGNAL CABLES], ABANDON

* DENOTES EXISTING CONDUIT RUN.
TYPES: HDPE, PVC, RGS
INSTALL METHODS: B=BORE, IB=IN BARRIER, OC=OPEN CUT, OS=ON STRUCTURE, T=TRENCH

OVERHEAD SERVICE RUN SCHEDULE

OH NO.	SIZE	LENGTH	AMOUNT AND TYPE OF CABLE/WIRE
**2			INFORMATION SHOWN ON SHEET SG-02
**3			INFORMATION SHOWN ON SHEET SG-02

** DENOTES EXISTING WIRING TO BE REMOVED.

POLE SCHEDULE

POLE NO.	POLE TYPE	HEIGHT	MATERIAL
**5	SPAN	EX.	STEEL
**6	SPAN	EX.	STEEL

** DENOTES EXISTING POLE TO BE REMOVED.

SIGNAL PHASING

SIGNAL HEAD DIAGRAM



LEGEND

AB	ABANDON	OH #	EXISTING OVERHEAD RUN IDENTIFIER (# OF OVERHEAD RUN)
CA X	EXISTING CABINET IDENTIFIER (TYPE OF CABINET)	OH #	PROPOSED OVERHEAD RUN IDENTIFIER (# OF OVERHEAD RUN)
CA X	PROPOSED CABINET IDENTIFIER (TYPE OF CABINET)	PB X	EXISTING POLE BASE IDENTIFIER (TYPE OF POLE BASE)
CO #	EXISTING CONDUIT RUN IDENTIFIER (# OF CONDUIT RUN)	PB X	PROPOSED POLE BASE IDENTIFIER (TYPE OF POLE BASE)
CO #	PROPOSED CONDUIT RUN IDENTIFIER (# OF CONDUIT RUN)	PL X	EXISTING POLE IDENTIFIER (# OF POLE)
JW X	EXISTING JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)	PL X	PROPOSED POLE IDENTIFIER (# OF POLE)
JW X	PROPOSED JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)	RM C	REMOVE BY CONTRACTOR
MA XX	EXISTING MAST ARM IDENTIFIER (LENGTH OF ARM)	RM O	REMOVE BY OTHERS
MA XX	PROPOSED MAST ARM IDENTIFIER (LENGTH OF ARM)	RM TC	REMOVE BY TRAFFIC CONTRACTOR

	EXISTING SYMBOL	PROPOSED SYMBOL
JUNCTION WELL	J.W.	■
LOOP DETECTOR, TYPE 1		
LOOP DETECTOR, TYPE 2		
LUMINAIRE		
MAST ARM		
MICROWAVE DETECTION		
OPTICOM RECEIVER		
OVERHEAD SIGNING		
PEDESTRIAN POLE/BASE		
PEDESTRIAN PUSHBUTTON		
PEDESTRIAN SIGNAL HEAD		
RIGHT-OF-WAY		R/W
SERVICE PEDESTAL		P
SIGNAL CABINET		
SIGNAL HEAD		
SIGNAL POLE/BASE		
CCTV CAMERA		
SPAN WIRE	XX	
UTILITY POLE		
VIDEO DETECTION		

GENERAL SIGNAL NOTES

1. ALL SIGNAL EQUIPMENT REMOVED FROM A PROJECT IS TO BE RETURNED TO DELDOT TRAFFIC - DOVER, DELAWARE.

2. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY, AND/OR THE APPROPRIATE UTILITY PRIOR TO THE BEGINNING OF CONSTRUCTION FOR THE UTILITY MARKOUTS. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY DELDOT TRAFFIC IMMEDIATELY BEFORE CONSTRUCTION.

PREPARED BY
DELDOT - TRANSPORTATION SOLUTIONS
TRAFFIC DESIGN

Nii-Attswei Tetteh — 08/20/2024
THIS SEAL APPLIES TO ALL SHEETS BEARING THE "TD" SECTION DESIGNATION. — DATE

NII-ATTSWEI TETTEH — LICENSE — No. 14933 — DELAWARE — PROFESSIONAL ENGINEER
SEAL

CONCURRENCE FOR REMOVAL

CHIEF OF TRAFFIC ENGINEERING — 8/20/2024 — DATE

SG-03

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	T201612501	PERMIT NO.	S228
COUNTY	SUSSEX	DESIGNED BY:	N. TETTEH
		CHECKED BY:	M. SAINTIL

SIGNAL REMOVAL PLAN
SR 1 @ LEWIS FIRE SIGNAL
(NASSAU)

SECTION: TD
SHEET NO.: 303

LAST REVISED: 9/11/2018
20-AUG-2024
14:07
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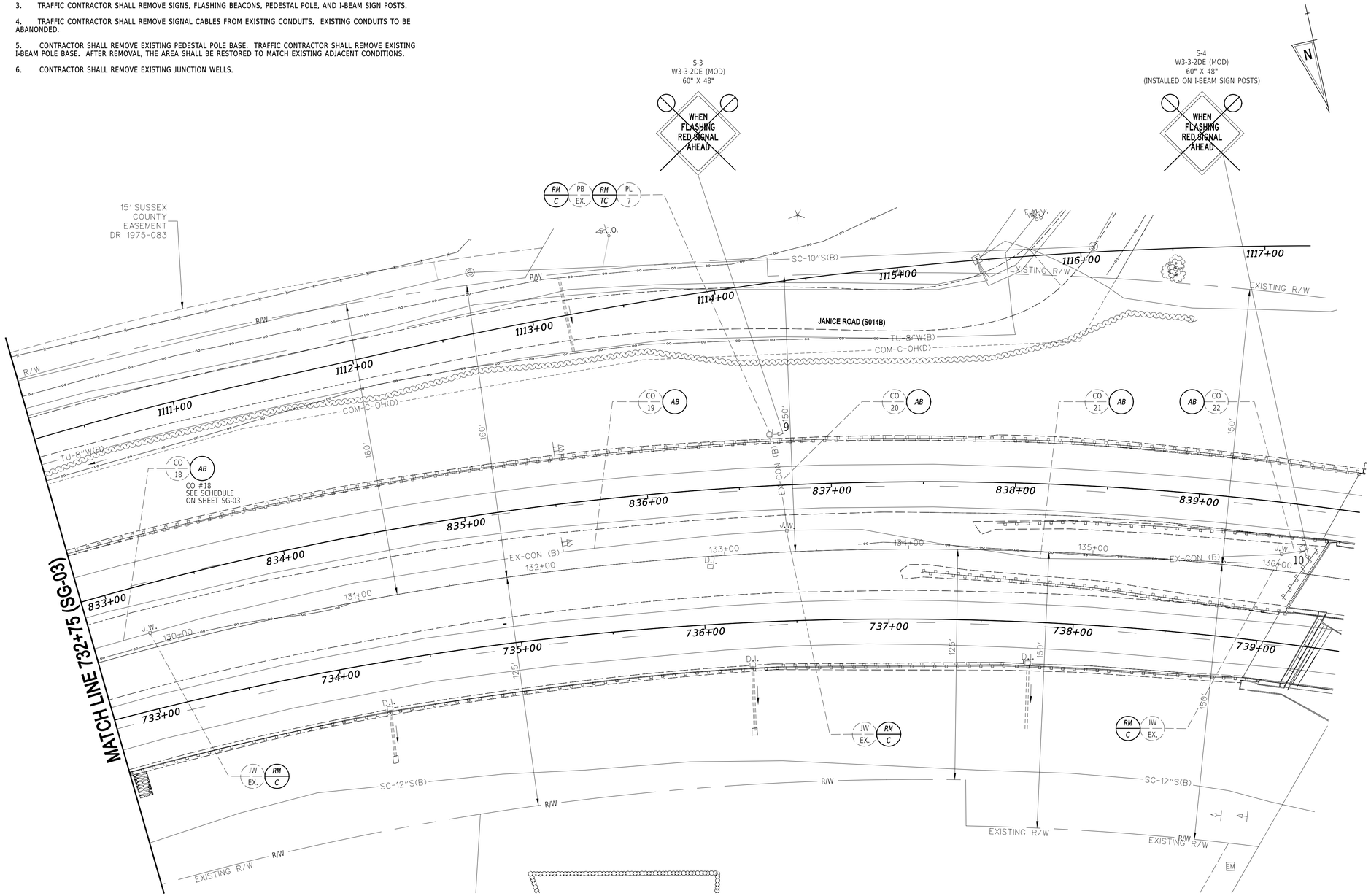
ADDITIONAL SIGNAL NOTES

3. TRAFFIC CONTRACTOR SHALL REMOVE SIGNS, FLASHING BEACONS, PEDESTAL POLE, AND I-BEAM SIGN POSTS.

4. TRAFFIC CONTRACTOR SHALL REMOVE SIGNAL CABLES FROM EXISTING CONDUITS. EXISTING CONDUITS TO BE ABANONDED.

5. CONTRACTOR SHALL REMOVE EXISTING PEDESTAL POLE BASE. TRAFFIC CONTRACTOR SHALL REMOVE EXISTING I-BEAM POLE BASE. AFTER REMOVAL, THE AREA SHALL BE RESTORED TO MATCH EXISTING ADJACENT CONDITIONS.

6. CONTRACTOR SHALL REMOVE EXISTING JUNCTION WELLS.



CONDUIT RUN SCHEDULE

CO NO.	NO. OF CONDUITS	SIZE/TYPE	LENGTH	INSTALL METHOD	AMOUNT AND TYPE OF CABLE / WIRE
*18					INFORMATION SHOWN ON SHEET SG-03
*19	1	1.5"/-	350'	-	[REMOVE SIGNAL CABLES], ABANDON
*20	1	1.5"/-	52'	-	[REMOVE SIGNAL CABLES], ABANDON
*21	1	1.5"/-	269'	-	[REMOVE SIGNAL CABLES], ABANDON
*22	1	1.5"/-	12'	-	[REMOVE SIGNAL CABLES]. ABANDON

* DENOTES EXISTING CONDUIT RUN.
TYPES: HDPE, PVC, RGS
INSTALL METHODS: B=BORE, IB=IN BARRIER, OC=OPEN CUT, OS=ON STRUCTURE, T=TRENCH

POLE SCHEDULE

POLE NO.	POLE TYPE	HEIGHT	MATERIAL
**7	PEDESTAL	EX.	ALUMINUM

** DENOTES EXISTING POLE TO BE REMOVED.

SIGNAL PHASING

SIGNAL HEAD DIAGRAM



LEGEND

AB	ABANDON	OH #	EXISTING OVERHEAD RUN IDENTIFIER (# OF OVERHEAD RUN)
CA X	EXISTING CABINET IDENTIFIER (TYPE OF CABINET)	OH #	PROPOSED OVERHEAD RUN IDENTIFIER (# OF OVERHEAD RUN)
CA X	PROPOSED CABINET IDENTIFIER (TYPE OF CABINET)	PB X	EXISTING POLE BASE IDENTIFIER (TYPE OF POLE BASE)
CO #	EXISTING CONDUIT RUN IDENTIFIER (# OF CONDUIT RUN)	PB X	PROPOSED POLE BASE IDENTIFIER (TYPE OF POLE BASE)
CO #	PROPOSED CONDUIT RUN IDENTIFIER (# OF CONDUIT RUN)	PL X	EXISTING POLE IDENTIFIER (# OF POLE)
JW X	EXISTING JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)	PL X	PROPOSED POLE IDENTIFIER (# OF POLE)
JW X	PROPOSED JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)	RM C	REMOVE BY CONTRACTOR
MA XX	EXISTING MAST ARM IDENTIFIER (LENGTH OF ARM)	RM O	REMOVE BY OTHERS
MA XX	PROPOSED MAST ARM IDENTIFIER (LENGTH OF ARM)	RM TC	REMOVE BY TRAFFIC CONTRACTOR

	EXISTING SYMBOL	PROPOSED SYMBOL
JUNCTION WELL	J.W.	■
LOOP DETECTOR, TYPE 1		
LOOP DETECTOR, TYPE 2		
LUMINAIRE		
MAST ARM		
MICROWAVE DETECTION		
OPTICOM RECEIVER		
OVERHEAD SIGNING		
PEDESTRIAN POLE/BASE		
PEDESTRIAN PUSHBUTTON		
PEDESTRIAN SIGNAL HEAD		
RIGHT-OF-WAY		R/W
SERVICE PEDESTAL		P
SIGNAL CABINET		
SIGNAL HEAD		
SIGNAL POLE/BASE		
CCTV CAMERA		
SPAN WIRE	XX	
UTILITY POLE		
VIDEO DETECTION		

GENERAL SIGNAL NOTES

1. ALL SIGNAL EQUIPMENT REMOVED FROM A PROJECT IS TO BE RETURNED TO DELDOT TRAFFIC - DOVER, DELAWARE.
2. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY, AND/OR THE APPROPRIATE UTILITY PRIOR TO THE BEGINNING OF CONSTRUCTION FOR THE UTILITY MARKOUTS. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY DELDOT TRAFFIC IMMEDIATELY BEFORE CONSTRUCTION.

PREPARED BY
DELDOT - TRANSPORTATION SOLUTIONS
TRAFFIC DESIGN

Nii-Atswei Tetteh — 08/20/2024
THIS SEAL APPLIES TO ALL SHEETS BEARING THE "TD" SECTION DESIGNATION. — DATE

Nii-Atswei Tetteh LICENSE No. 14933 DELAWARE PROFESSIONAL ENGINEER — SEAL

CONCURRENCE FOR REMOVAL

CHIEF OF TRAFFIC ENGINEERING — 8/20/2024 DATE

SG-04

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT T201612501
COUNTY SUSSEX
PERMIT NO. S296
DESIGNED BY: N. TETTEH
CHECKED BY: M. SAINTIL

SIGNAL REMOVAL PLAN
SR 1 @ TULIP DRIVE

SECTION TD
SHEET NO. 304

LAST REVISED: 9/11/2018
18-JAN-2024
10:13
Y:\tdg\SIgnals\Sussex\S296\Design\CADD_DGN\Working\SG04_Signal Removal.dgn

GENERAL NOTES

1. THESE DRAWINGS DO NOT INCLUDE NECESSARY ELEMENTS OF CONSTRUCTION SAFETY. ALL CONSTRUCTION MUST BE COMPLETED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT, AND ALL FEDERAL, STATE AND LOCAL REQUIREMENTS.
2. EXISTING UTILITIES ARE SHOWN BASED ON THE BEST INFORMATION CURRENTLY AVAILABLE. LOCATIONS ARE NOT BASED ON A FIELD SURVEY. THE CONTRACTOR SHALL FIELD LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.
3. THE CONTRACTOR SHALL PROTECT ALL UTILITIES DURING CONSTRUCTION. ANY UTILITY DAMAGED SHALL BE PROMPTLY AND FULLY RESTORED TO THE SATISFACTION OF THE UTILITY COMPANY AT THE CONTRACTOR'S EXPENSE.
4. THE CONTRACTOR SHALL PLAN AND IMPLEMENT ALL NECESSARY REQUIREMENTS OF THE DELAWARE UNDERGROUND UTILITY DAMAGE PREVENTION AND SAFETY ACT.
5. THE CONTRACTOR SHALL PROVIDE EROSION AND SEDIMENT CONTROL IN ACCORDANCE WITH THE SEDIMENT CONTROL ACT. ALL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE DELAWARE EROSION AND SEDIMENT CONTROL HANDBOOK AND ALL APPLICABLE LOCAL REQUIREMENTS.
6. TRAFFIC AND SAFETY CONTROL SHALL BE MAINTAINED DURING CONSTRUCTION IN CONFORMANCE WITH THE CURRENT VERSION OF THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL (MUTCD).
7. ALL WORK WITHIN STATE RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH STATE OF DELAWARE STANDARDS AND IN ACCORDANCE WITH APPROVED UTILITY CONSTRUCTION PERMIT.
8. FOR ROAD CROSSING WITH STEEL CASING, THE CASING SHALL EXTEND A MINIMUM 5 FEET BEYOND EDGE OF PAVEMENT.
9. ROAD PLATING IS NOT PERMITTED FROM NOVEMBER 1, THROUGH APRIL 15.
10. ALL OPEN CUT ROAD AND DRIVEWAY CROSSINGS THAT ARE WITHIN 4 FEET OF AN EXISTING PAVEMENT/ CONCRETE SEAM SHALL BE RESTORED TO THE SEAM.
11. ALL DRIVEWAYS SHALL BE RESTORED "IN KIND".
12. ALL FIRE LANES, FIRE HYDRANTS AND FIRE DEPARTMENT CONNECTIONS SHALL BE MARKED IN ACCORDANCE WITH THE STATE FIRE PREVENTION REGULATIONS.
13. WATER MAINS SHALL BE LAID AT LEAST 10 FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED SANITARY SEWER. WATER MAINS CROSSING SANITARY SEWER MAINS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 18 INCHES BETWEEN THE WATER MAIN AND THE SEWER. CROSSINGS SHALL BE ARRANGED SO THAT THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM SEWER MAIN JOINTS.
14. WATER MAINS SHALL HAVE A MINIMUM 4' OF COVER.
15. IF PIPE DEFLECTION IS NEEDED: MAX 1° AXIAL JOINT DEFLECTION IS PERMITTED AS WELL AS 1° MAX LONGITUDINAL PIPE DEFLECTION FOR A TOTAL OF 2° MAX DEFLECTION. THE JOINT MUST BE RESTRAINTED IF THE PIPE IS TO BE LONGITUDINALLY DEFLECTED.
16. NOTIFY MISS UTILITY 1-800-282-8555 THREE WORKING DAYS, BUT NO MORE THAN 10 WORKING DAYS, PRIOR TO ANY EXCAVATION OR DEMOLITION ACTIVITIES.
17. ALL WORK MUST BE COORDINATED WITH TIDEWATER UTILITIES PRIOR TO EXECUTION OF WORK.
18. ADJUST ALL VALVE BOXES TO FINAL GRADE.
19. ALL ABANDONED WATER MAIN IS TO BE FLOWABLE FILLED, PLUGGED AND CAPPED IN PLACE, VALVES SHUT AND VALVE BOXES AND HYDRANTS REMOVED. 3M 1403-XR BALL MARKERS (OR APPROVED EQUAL) SHALL BE INSTALLED AT EACH END OF ABANDONED MAIN.
20. ALL EXISTING WATER MAIN SHALL REMAIN ACTIVE UNTIL SUCH TIME AS NEW WATER MAIN IS APPROVED FOR OPERATION BY DHSS-OFFICE OF DRINKING WATER AND NEW SERVICES CAN BE ACTIVATED.
21. CONTRACTOR SHALL MARK ALL EASEMENTS AND RIGHTS OF WAY PRIOR TO WORK.
22. PROPOSED WORK AT CONNECTION POINTS TO STAY WITHIN EASEMENTS AND RIGHTS OF WAY.
23. PIPE FITTINGS SHOWN IN THIS PLAN ARE APPROXIMATE, ADDITIONAL FITTINGS REQUIRED DURING CONSTRUCTION SHALL BE PROVIDED AND INSTALLED, ALL COSTS ARE INCIDENTAL TO ITEM 710601.
24. RECOMMENDED STEEL CASING DIAMETER:

PIPE	CASING
6"	12"
8"	16"
10"	20"
12"	24"
16"	30"
20"	36"
24"	36"

OTHER DIAMETERS MEETING THE REQUIRMENTS OF CONSTRUCTION DETAIL A-12 MAY BE PERMITTED WITH TIDEWATER APPROVAL.

WATER RELOCATION PROJECT NOTES:

1. CONSTRUCTION DEWATERING
   a. ALL DEWATERING EQUIPMENT SUCH AS PUMPS, AIR COMPRESSORS, GENERATORS, ETC. PROPOSED FOR USE DURING CONSTRUCTION IN RESIDENTIAL AREAS SHALL BE PROVIDED WITH NOISE ENCLOSURES. ALL COSTS INCIDENTAL TO ITEM 710601.
   b. THERE IS NO DEWATERING PERMIT FOR THIS PROJECT. IF THE CONTRACTOR CONSIDERS THAT AS PART OF ITS MEANS AND METHODS OF CONSTRUCTION, A DEWATERING PERMIT IS REQUIRED, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SECURE THE REQUIRED PERMIT IN ORDER TO PROCEED WITH THE EXECUTION OF THE CONSTRUCTION. CONTRACTORS REQUIRED TO SUBMIT DEWATERING PLAN. ALL COSTS INCIDENTAL TO ITEM 710601.
2. THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES AND IMPROVEMENTS NOT DESIGNATED FOR REMOVAL AND SHALL RESTORE DAMAGED OR TEMPORARILY RELOCATED UTILITIES AND IMPROVEMENTS TO A CONDITION EQUAL TO OR BETTER THAN THEY WERE PRIOR TO SUCH DAMAGE OR TEMPORARY RELOCATION, ALL IN ACCORDANCE WITH REQUIREMENTS OF THE CONTRACT DOCUMENTS.
3. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS AND DEPTHS OF ALL UTILITIES SHOWN AND THE CONTRACTOR SHALL MAKE EXPLORATORY EXCAVATIONS OF ALL UTILITIES THAT MAY INTERFERE WITH THE WORK. ALL SUCH EXPLORATORY EXCAVATIONS SHALL BE PERFORMED AS SOON AS PRACTICABLE AFTER AWARD OF CONTRACT AND, IN ANY EVENT, A SUFFICIENT TIME IN ADVANCE OF CONSTRUCTION TO AVOID POSSIBLE DELAYS TO THE CONTRACTOR'S WORK. WHEN SUCH EXPLORATORY EXCAVATIONS SHOW THE UTILITY LOCATION AS SHOWN TO BE IN ERROR, THE CONTRACTOR SHALL SO NOTIFY TIDEWATER AND DELDOT. ALL COSTS INCIDENTAL TO 710601.
4. THE CONTRACTOR MAY BE REQUIRED TO COORDINATE THE BRACING OF UTILITY POLES WITH THE UTILITY OWNER. ANY REQUIRED ELECTRICAL OUTAGES SHALL BE INCLUDED IN THE CONTRACTOR'S CPM SCHEDULE AND ARE INCIDENTAL TO THE WORK BEING PERFORMED. THE CONTRACTOR WILL BE WORKING IN CLOSE PROXIMITY TO EXISTING OVERHEAD UTILITIES AND PROPER EQUIPMENT SHALL BE UTILIZED TO AVOID IMPACTS TO THE EXISTING FACILITY. ALL COSTS ARE INCIDENTAL TO THE CONTRACT AND WILL NOT BE CONSIDERED FOR ADDITIONAL TIME EXTENSIONS OR CAUSE FOR CONTRACT DELAY OR ADDITIONAL COMPENSATION.
5. CONTRACTOR SHALL INSTALL THRUST BLOCKS PER TIDEWATER STANDARDS AND ALL COSTS ARE INCIDENTAL TO ITEM 710601.
6. CONTRACTOR MAY BE REQUIRED TO MODIFY THRUST BLOCKS AS DETERMINED BY THE ENGINEER AND OWNER IN THE FIELD.
7. REMOVAL OF EXISTING CONCRETE THRUST BLOCKS ARE INCIDENTAL TO ITEM 710601.
8. CONTRACTOR SHALL STAKE ELEVATION AND LOCATION OF PROPOSED WATER LINE FOR APPROVAL BY ENGINEER PRIOR TO INSTALLATION. CONTRACTOR SHALL AS-BUILT INSTALLED WATER LINE AT THE END OF EACH WORK DAY. ALL COSTS ARE INCIDENTAL TO ITEM 710601.
9. ALL FITTINGS INCIDENTAL TO THE CONTRACT.

INDEX OF SHEETS

SHEET	NAME	SHEET	SHEET NO.
CEN	NOTES	TW-01	
CEN	ITEM SCHEDULE	TW-02	
CEN	INDEX OF SHEETS	TW-03	
CEN	WATER RELOCATION PLAN	TW-04	
CEN	WATER RELOCATION PLAN	TW-05	
CEN	WATER RELOCATION PLAN	TW-06	
CEN	WATER RELOCATION PLAN	TW-07	
CEN	WATER RELOCATION PLAN	TW-08	
CEN	WATER RELOCATION PLAN	TW-09	
CEN	WATER RELOCATION PLAN	TW-10	
CEN	WATER RELOCATION PLAN	TW-11	
CEN	WATER RELOCATION PLAN	TW-12	
CEN	WATER RELOCATION PLAN	TW-13	
CEN	WATER RELOCATION PLAN	TW-14	
CEN	DETAILS	TW-15	
CEN	DETAILS	TW-16	
CEN	SEQUENCE OF CONSTRUCTION	TW-17	

EXISTING UNDERGROUND UTILITIES COORDINATION NOTES:

1. THE LOCATION OF UNDERGROUND UTILITIES AS INDICATED ON PLANS HAS BEEN OBTAINED FROM INFORMATION SUPPLIED BY DELDOT. NEITHER THE OWNER OR THE ARCHITECT/ENGINEER ASSUMES ANY RESPONSIBILITY IN RESPECT TO ACCURACY, COMPLETENESS, OR SUFFICIENCY OF THE INFORMATION SHOWN. THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED THAT THE LOCATIONS, SIZE AND TYPE OF MATERIALS OF EXISTING UNDERGROUND UTILITIES INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED DURING CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH UTILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE OWNER OF HIS OPERATIONAL PLANS. IN THE EVENT OF AN UNEXPECTED UTILITY INTERFERENCE DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER. ANY SUCH MAINS AND/OR SERVICES DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED IMMEDIATELY AT THEIR EXPENSE.
2. PRIOR TO PERFORMING ANY EXCAVATION GREATER THAN 6 INCHES, THE CONTRACTOR SHALL COORDINATE WITH TIDEWATER UTILITIES AND ALL PRIVATE UTILITY COMPANIES TO DETERMINE THE LOCATION OF UNDERGROUND UTILITY LINES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH ALL ORGANIZATIONS THAT CONTROL EXISTING UNDERGROUND UTILITIES IN THE CONSTRUCTION AREA OR WOULD BE AFFECTED BY CONSTRUCTION WORK AROUND THE EXISTING UTILITIES.
3. THE CONTRACTOR SHALL NOT START EXCAVATION UNTIL ALL UTILITY LINE LOCATIONS HAVE BEEN STAKED OR OTHERWISE CLEARLY MARKED AND DOCUMENTATION FURNISHED TO THE OWNER. ALL MARKINGS SHALL BE CONSIDERED APPROXIMATE, AND UTILITIES OTHER THAN THOSE SHOWN SHALL BE CONSIDERED TO EXIST.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DEFINITE LOCATION OF EACH UTILITY WITHIN THE WORK AREA. CARE SHALL BE EXERCISED DURING EXCAVATION WORK TO AVOID DAMAGING OR DISRUPTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF REPAIR FOR DAMAGE TO ANY UTILITY CAUSED BY THE CONTRACTOR'S WORK.
5. WHERE EXISTING UNDERGROUND UTILITIES OR OTHER CONSTRUCTION ARE EXPECTED TO BE IN PROXIMITY TO PROPOSED CONSTRUCTION, OR WHEN APPROACHING EXISTING UTILITIES OR STRUCTURES FOR CONNECTIONS, THE CONTRACTOR SHALL DIG TEST PITS TO DETERMINE THE EXACT LOCATION AND INVERTS OF THE EXISTING UTILITY TO ALLOW FOR POSSIBLE CHANGES TO THE PROPOSED UTILITY IN LINE AND/OR GRADE. THE CONTRACTOR SHALL ALSO DIG TEST PITS IN THE LOCATION OF THE PROPOSED CONNECTIONS TO EXISTING UTILITIES AND SHALL MAKE ALL MEASUREMENTS NECESSARY TO ENSURE PROPER CONNECTION. ANY NECESSARY CHANGES IN LINE OR GRADE OF WORK CAUSED BY FAILURE TO TAKE SUCH PRECAUTIONS SHALL BE AT THE EXPENSE OF THE CONTRACTOR. ALL COSTS ARE INCIDENTAL TO 710601.
6. WHEN IT IS NECESSARY TO EXCAVATE NEAR OR INTERFERE WITH ANY SEWER LINE, WATER SERVICES, DRAIN PIPE, CATCH BASIN, CULVERT, OR OTHER STRUCTURES, THE CONTRACTOR SHALL MAINTAIN THE SAME IN WORKING ORDER AND SHALL REPAIR AND MAKE GOOD ANY DAMAGE DONE DURING THE PROGRESS OF THE WORK AT THE EXPENSE OF THE CONTRACTOR.
7. WHERE EXISTING UTILITIES CROSS THE TRENCH EXCAVATION, THEY SHALL BE ADEQUATELY SUPPORTED AND PROTECTED FROM DAMAGE DUE TO CONSTRUCTION. ALL METHODS FOR SUPPORTING AND MAINTAINING THESE UTILITIES SHALL BE SUBJECT TO REVIEW BY THE UTILITY OWNER. CARE SHALL BE TAKEN TO ENSURE THAT THE EXISTING UTILITY GRADES AND ALIGNMENT ARE MAINTAINED AND THE PIPE JOINTS ARE NOT DISTURBED. BACKFILL SHALL BE CAREFULLY PLACED AND TAMPED TO PREVENT DAMAGE OR FUTURE SETTLEMENT. ANY DAMAGE OR MISALIGNMENT OF THE UTILITIES DUE TO CONSTRUCTION OR SETTLEMENT SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE. ALL COSTS FOR SUPPORTING OR BRACING UTILITIES UNDERGROUND OR AERIAL ARE INCIDENTAL TO ITEM 710601.
8. ANY UNPROTECTED CABLE (DIRECT BURIED) ENCOUNTERED THAT IS VERIFIED AS NOT ABANDONED IN PLACE SHALL BE PROTECTED. THE UTILITY OWNER MAY DIRECT THE CABLE BE PLACED IN SPLIT DUCT OF APPROPRIATE SIZE AND CONCRETE ENCASED THROUGH THE AREA OF CONSTRUCTION. CONTRACTOR SHALL TAKE ALL REASONABLE MEASURES TO AVOID HAVING TO CUT AND SPLICE DIRECT BURIED CABLE. THE CONTRACTOR SHALL NOTE SPLIT DUCT PORTIONS ON AS-BUILTS. ALL COSTS ARE INCIDENTAL TO THE ITEM BEING PLACED THAT NECESSITATED THE UTILITY PROTECTION.
9. ALL SUITABLE EXCESS EXCAVATED MATERIALS SHALL BE USED AS TRENCH BACKFILL AND ANY EXCESS SHALL BE DISPOSED OF OFFSITE. ALL COSTS FOR EXCAVATION, BACKFILL, BACKFILLING AND DISPOSAL ARE INCIDENTAL TO ITEM 710601.
10. INTERRUPTION OF EXISTING UTILITIES SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND/OR AT THE DIRECTION OF THE UTILITY OWNER(S). PROPER NOTIFICATION SHALL BE PROVIDED BY THE CONTRACTOR PRIOR TO INTERRUPTION OF ANY UTILITIES.

LEGEND	
⊕	UTILITY TEST HOLE LOCATION
F.H.	EXISTING FIRE HYDRANT
W.M.	EXISTING WATER METER
W.V.	EXISTING WATER VALVE
F.H.	PROPOSED FIRE HYDRANT
W.M.	PROPOSED WATER METER
⊗	PROPOSED WATER VALVE

RECOMMENDED BY:

Gregory L Coney

TIDEWATER UTILITIES INC. — DATE 04-22-24

PREPARED BY

CENTURY ENGINEERING
A Kleinfelder Company
550 BAY ROAD
DOVER, DE 19901
(302) 734-9188

ANDREW JAKUBOWSKI — 13906 — DELAWARE — PROFESSIONAL ENGINEER — SEAL

RECOMMENDED — DATE 04-22-24

18-APR-2024
12:25
C:\Projects\175031.00 (Agmt 1853F SUE)\Coordination Projects\T201612501_SR1 Minos Conaway\Tidewater\PLANS\TW_01 - NOTES.dgn

ADDENDA / REVISIONS

NOT TO SCALE

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	T201612501
COUNTY	SUSSEX
BRIDGE NO.	N/A
DESIGNED BY:	DFS
CHECKED BY:	AJ

TIDEWATER WATER RELOCATION NOTES

	TW-01
SECTION	CEI
SHEET NO.	305

LUMP SUM BREAKDOWN FOR ITEM 710601;
INSTALLATION OF WATER MAIN AND ACCESSORIES;
REALIGNMENT OF MINOS CONAWAY GRADE SEPARATED INTERSECTION;
DELDOT CONTRACT T201612501

SECTION DESIGNATION	ITEM NUMBER	PIPE SIZE AND TYPE	LENGTH	CASING *RECOMMENDED DIAMETER, SEE GENERAL NOTE 24 FOR REQUIREMENTS	TOP OF PIPE EL IN	TOP OF PIPE EL OUT	REQUIRED HYDRANTS, VALVES, & APPURTENANCES
JANICE ROAD TU-1 STATION 100+00 TO 115+12 (ALL BENDS AND FITTINGS SHALL BE INCIDENTAL TO THE LINEAR FEET OF PIPE BEING INSTALLED)	710601	8" PVC C909 CL235	1,512 LF	16" STEEL @ 51 FT*	4' BELOW PR GRADE	4' BELOW PR GRADE	1 EA, 12"x8" WET TAP 1 EA, 6" GATE VALVE 2 EA, 8" GATE VALVE 1 EA, CONNECT TO EXISTING 6" MAIN 1 EA, CONNECT TO EXISTING 8" MAIN 3 EA, FIRE HYDRANT ASSEMBLY
NASSAU ROAD TU-2 STATION 200+00 TO 216+08 (ALL BENDS AND FITTINGS SHALL BE INCIDENTAL TO THE LINEAR FEET OF PIPE BEING INSTALLED)	710601	12" PVC C909 CL235	1,608 LF	24" STEEL @ 52 FT*	4' BELOW PR GRADE	4' BELOW PR GRADE	1 EA, 12" WET TAP 1 EA, 8" GATE VALVE 1 EA, 10" GATE VALVE 2 EA, 12" GATE VALVE 1 EA, CONNECT TO EXISTING 8" MAIN 1 EA, CONNECT TO EXISTING 10" MAIN 1 EA, CONNECT TO EXISTING 12" MAIN 1 EA, 2" SERVICE LINE & CONNECTION 2 EA, FIRE HYDRANT ASSEMBLY 1 EA, TEMPORARY BLOW-OFF
SR 1 SB / MINOS CONAWAY ROAD TU-3 SR 1 SB STATION 300+00 TO 315+47 (ALL BENDS AND FITTINGS SHALL BE INCIDENTAL TO THE LINEAR FEET OF PIPE BEING INSTALLED)	710601	12" PVC C909 CL235	1,547 LF	24" STEEL @ 88 FT* 24" STEEL @ 45 FT*	4' BELOW PR GRADE	4' BELOW PR GRADE	1 EA, 6" GATE VALVE 3 EA, 12" GATE VALVE 1 EA, CONNECT TO EXISTING 6" MAIN 3 EA, CONNECT TO EXISTING 12" MAIN 1 EA, FIRE HYDRANT ASSEMBLY 1 EA, PERMANENT BLOW-OFF
NASSAU ROAD / GREYSTONE DR TU-3 SR 1 NB STATION 400+00 TO 401+50 (ALL BENDS AND FITTINGS SHALL BE INCIDENTAL TO THE LINEAR FEET OF PIPE BEING INSTALLED)	710601	12" PVC C909 CL235	150 LF		4' BELOW PR GRADE	4' BELOW PR GRADE	1 EA, 12" WET TAP 1 EA, 8" GATE VALVE 1 EA, 12" GATE VALVE 1 EA, CONNECT TO EXISTING 8" MAIN 1 EA, CONNECT TO EXISTING 12" MAIN 1 EA, FIRE HYDRANT ASSEMBLY 1 EA, TEMPORARY BLOW-OFF

18-APR-2024
15:59
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ADDENDA / REVISIONS

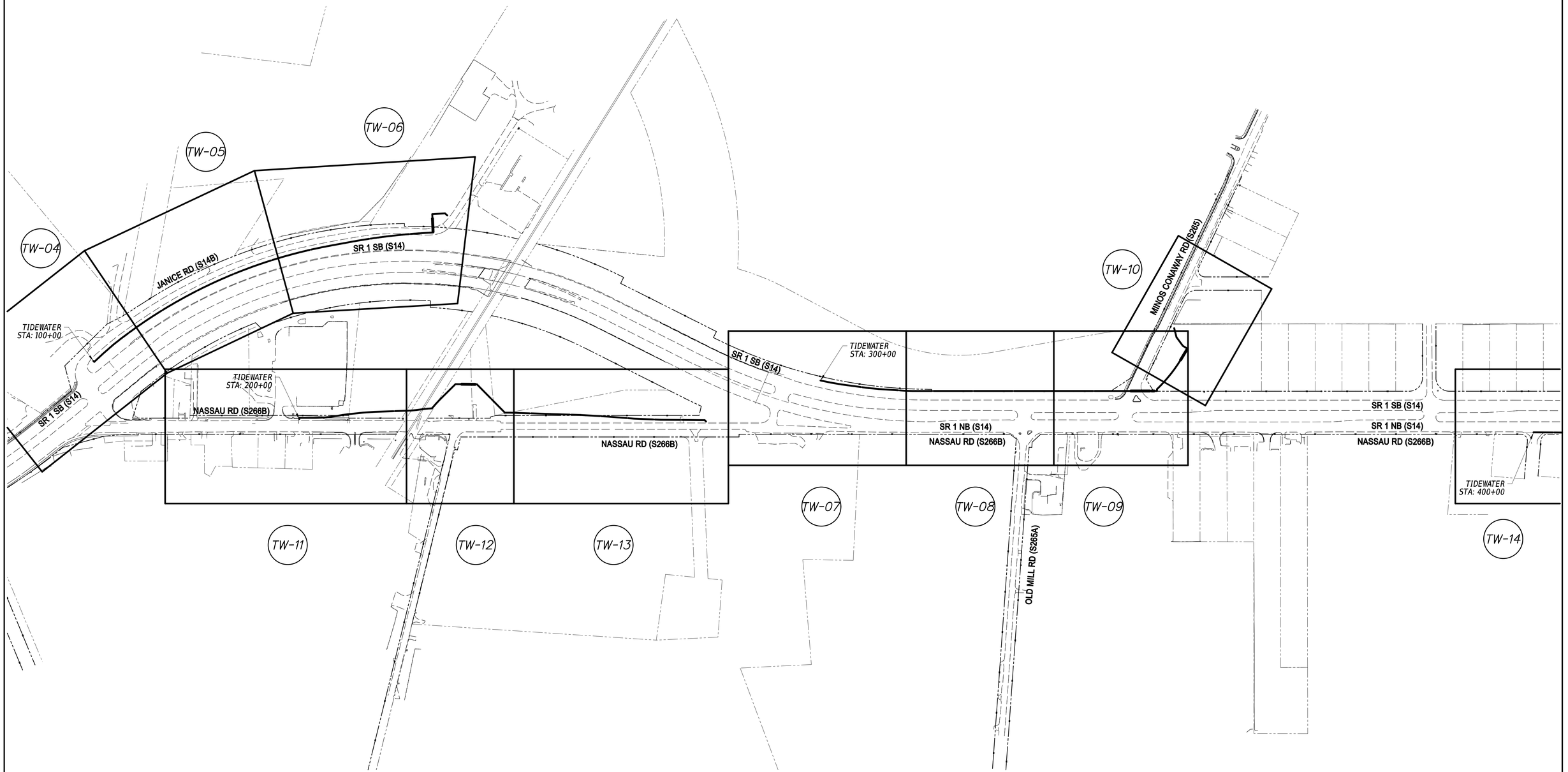
NOT TO SCALE

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	T201612501
COUNTY	SUSSEX
BRIDGE NO.	N/A
DESIGNED BY:	DFS
CHECKED BY:	AJ

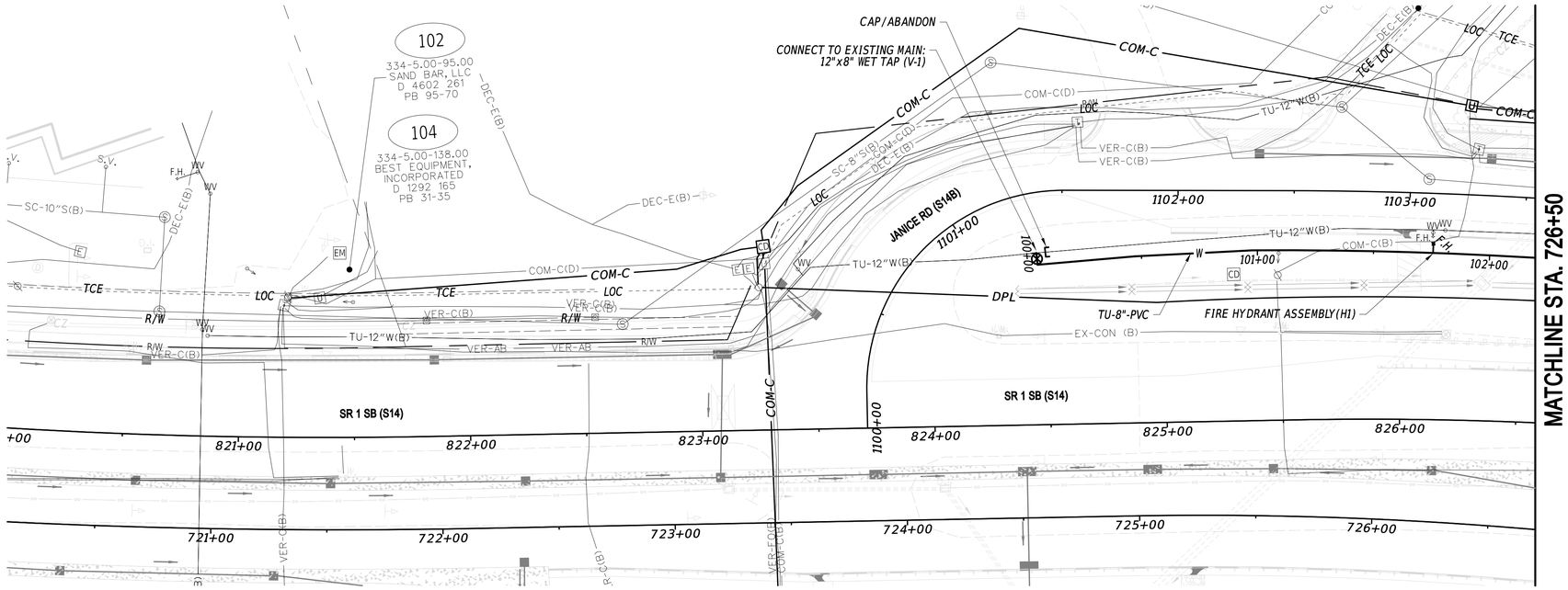
TIDEWATER WATER RELOCATION ITEM SCHEDULE

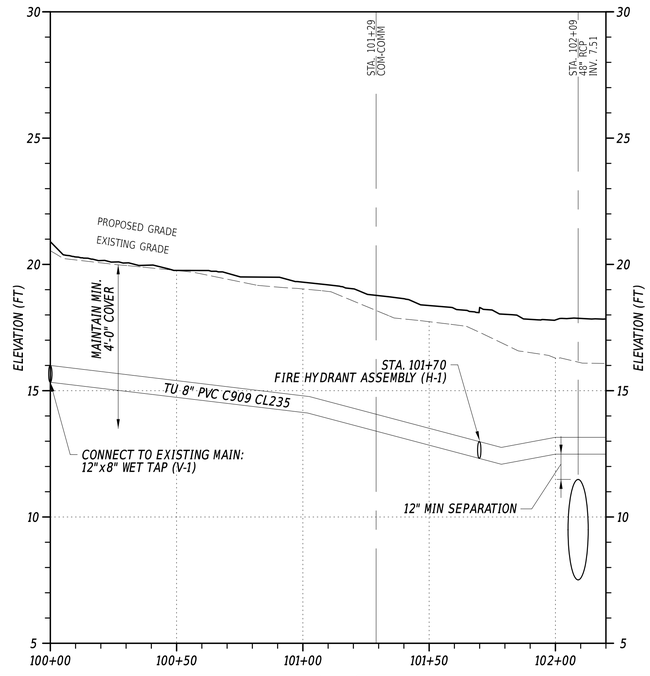
	TW-02
SECTION	CEI
SHEET NO.	306



18-APR-2024
12:23
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ADDENDA / REVISIONS		NOT TO SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	T201612501	BRIDGE NO.	N/A	TIDEWATER WATER RELOCATION INDEX OF SHEETS	TW-03
				COUNTY	SUSSEX	DESIGNED BY:	DFS		SECTION CEI
						CHECKED BY:	AJ		SHEET NO. 307





RECOMMENDED BY:

Gregory L Conley

04-22-24
DATE

TIDEWATER UTILITIES, INC.

PREPARED BY: CENTURY ENGINEERING
A Kleinfelder Company

04-22-24
DATE

THIS SEAL APPLIES TO ALL SHEETS BEARING THE "TW" SECTION DESIGNATION.

ANDREW JAKUBOWSKI
NO. 13906
PROFESSIONAL ENGINEER

SEAL

ADDENDA / REVISIONS	

SCALE
0 30 60 90
FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

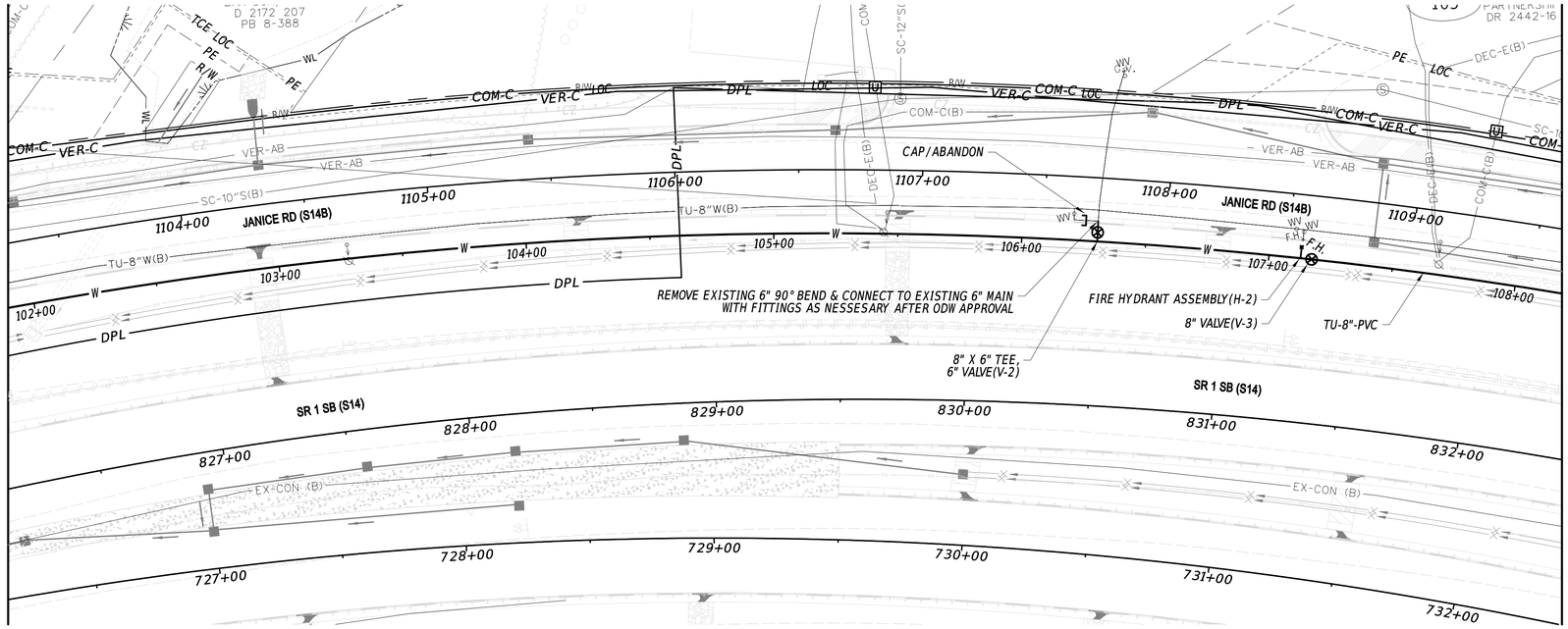
CONTRACT	BRIDGE NO.	N/A
T201612501	DESIGNED BY:	DFS
COUNTY	CHECKED BY:	AJ
SUSSEX		

TIDEWATER WATER RELOCATION PLAN

SECTION	TW-04
SHEET NO.	CEI
	308

22-APR-2024
14:35
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MATCHLINE STA. 726+50



MATCHLINE STA. 732+00

RECOMMENDED BY:

Gregory L Conley

TIDEWATER UTILITIES, INC.

04-22-24
DATE

PREPARED BY: CENTURY ENGINEERING, A Kleinfelder Company

THIS SEAL APPLIES TO ALL SHEETS BEARING THE "TW" SECTION DESIGNATION.

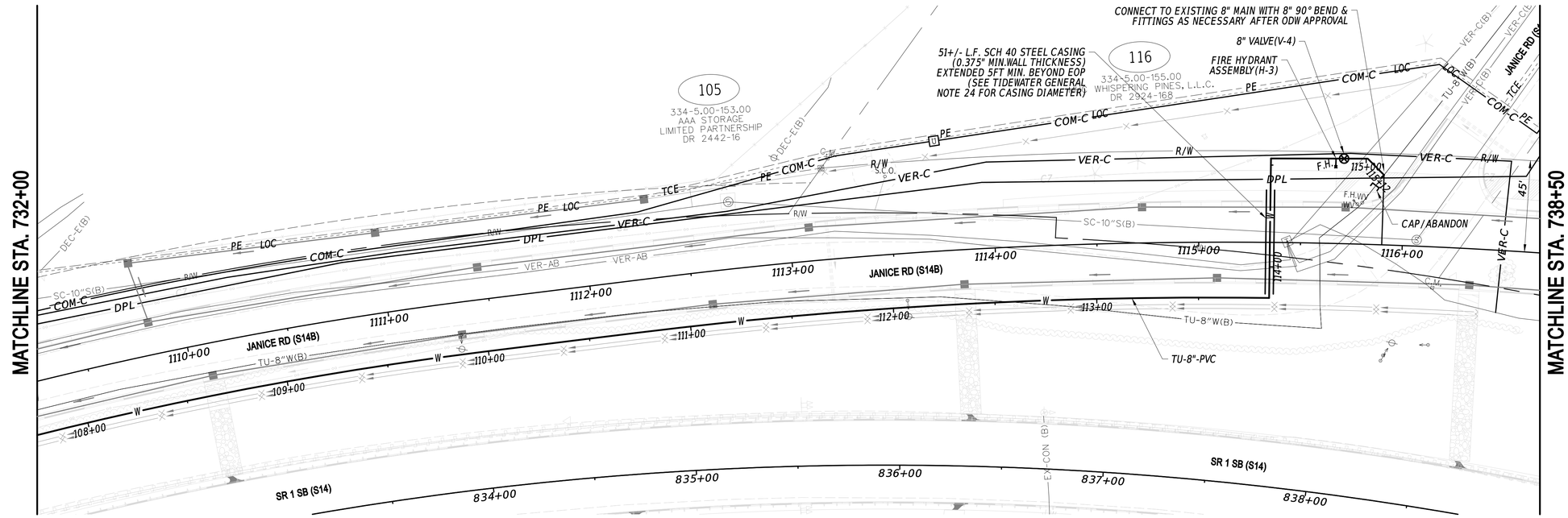
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DATE

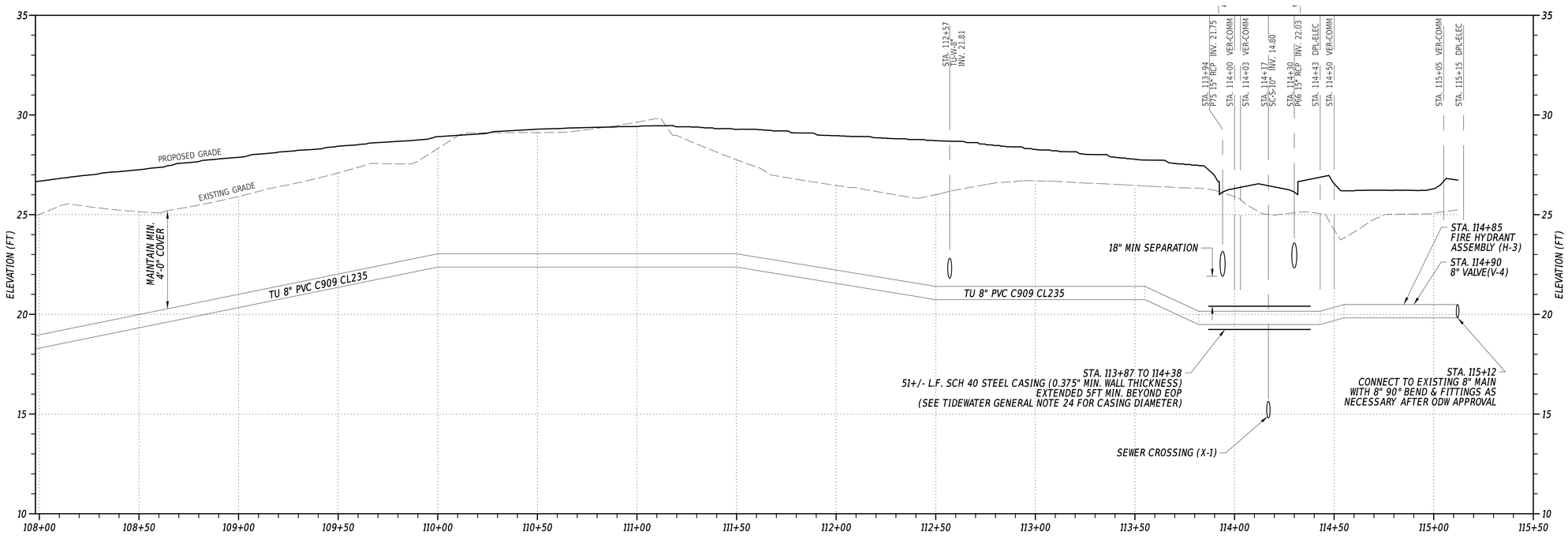
ANDREW JAKUBOWSKI, NO. 13906, PROFESSIONAL ENGINEER

SEAL

ADDENDA / REVISIONS	SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. N/A	TIDEWATER WATER RELOCATION PLAN	TW-05
			COUNTY SUSSEX	DESIGNED BY: DFS		SECTION CEI
				CHECKED BY: AJ		SHEET NO. 309

22-APR-2024
14:36
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RECOMMENDED BY:

Gregory L Covey

TIDEWATER UTILITIES, INC.

04-22-24
DATE

PREPARED BY: CENTURY ENGINEERING
A Kleinfelder Company

THIS SEAL APPLIES TO ALL SHEETS BEARING THE "TW" SECTION DESIGNATION.

04-22-24
DATE

ANDREW JAKUBOWSKI
NO. 13906
PROFESSIONAL ENGINEER
DELAWARE

SEAL

22-APR-2024
14:29
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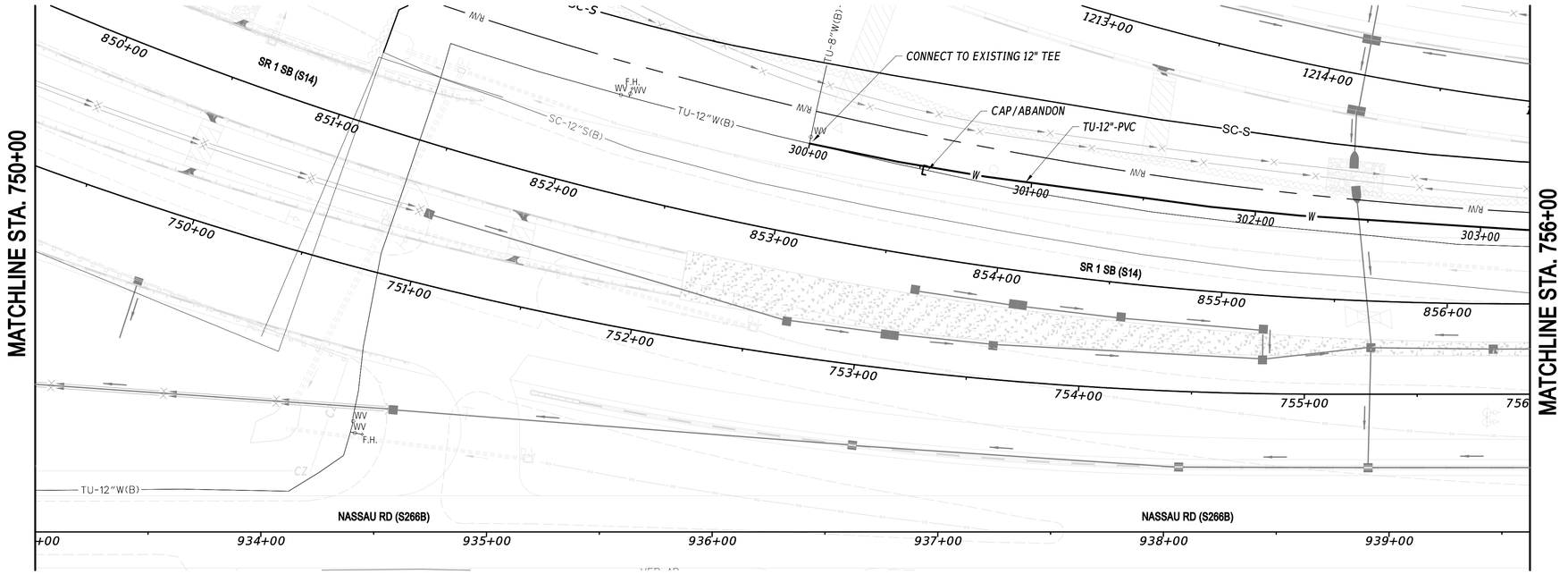
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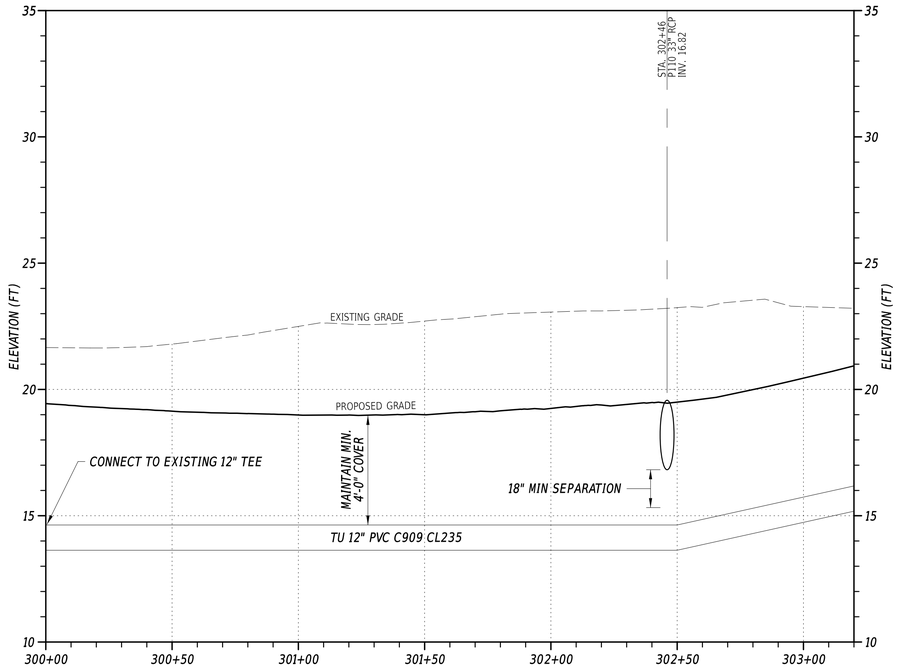
SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	N/A
T201612501	DESIGNED BY:	DFS
COUNTY	CHECKED BY:	AJ
SUSSEX		

TIDEWATER WATER RELOCATION PLAN

SECTION	TW-06
CEI	
SHEET NO.	310





RECOMMENDED BY:

Gregory L Coney

TIDEWATER UTILITIES, INC.

04-22-24
DATE

PREPARED BY: CENTURY ENGINEERING
A Kleinfelder Company

THIS SEAL APPLIES TO ALL SHEETS BEARING THE "TW" SECTION DESIGNATION.

04-22-24
DATE

ANDREW JAKUBOWSKI — DELAWARE — NO. 13908 — PROFESSIONAL ENGINEER

SEAL

ADDENDA / REVISIONS			

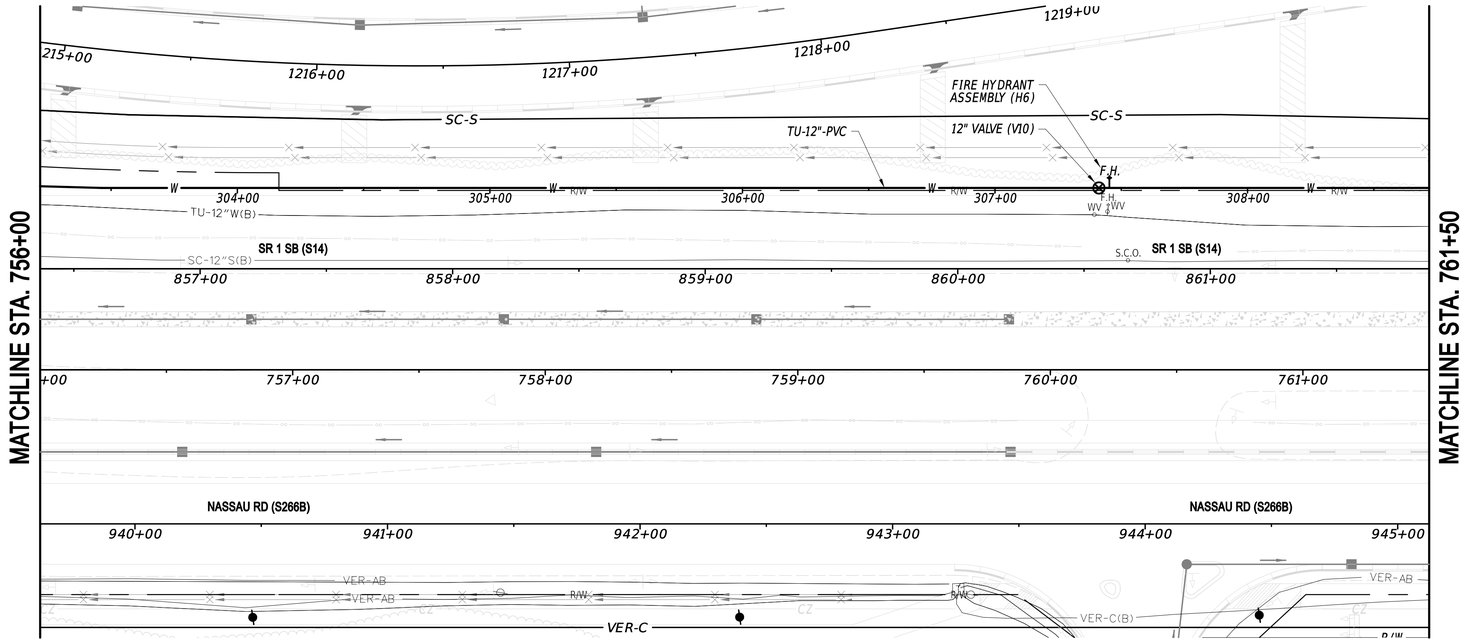
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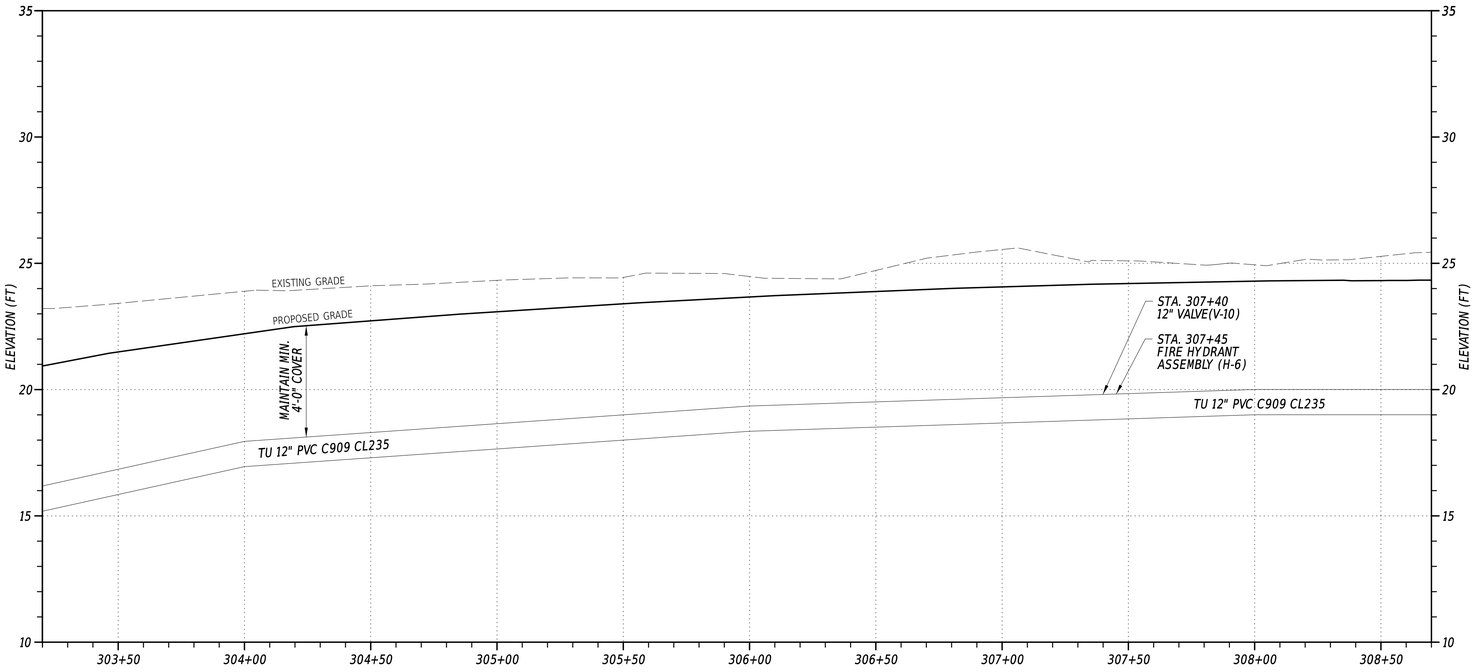
SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	N/A	TIDEWATER WATER RELOCATION PLAN
T201612501	DESIGNED BY:	DFS	
COUNTY	CHECKED BY:	AJ	
SUSSEX			

TW-07
SECTION
CEI
SHEET NO.
311

22-APR-2024
13:12
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RECOMMENDED BY:

Gregory L Conway

TIDEWATER UTILITIES, INC.

04-22-24
DATE

PREPARED BY:

CENTURY ENGINEERING
A Kleinfelder Company

THIS SEAL APPLIES TO ALL SHEETS BEARING THE "TW" SECTION DESIGNATION.

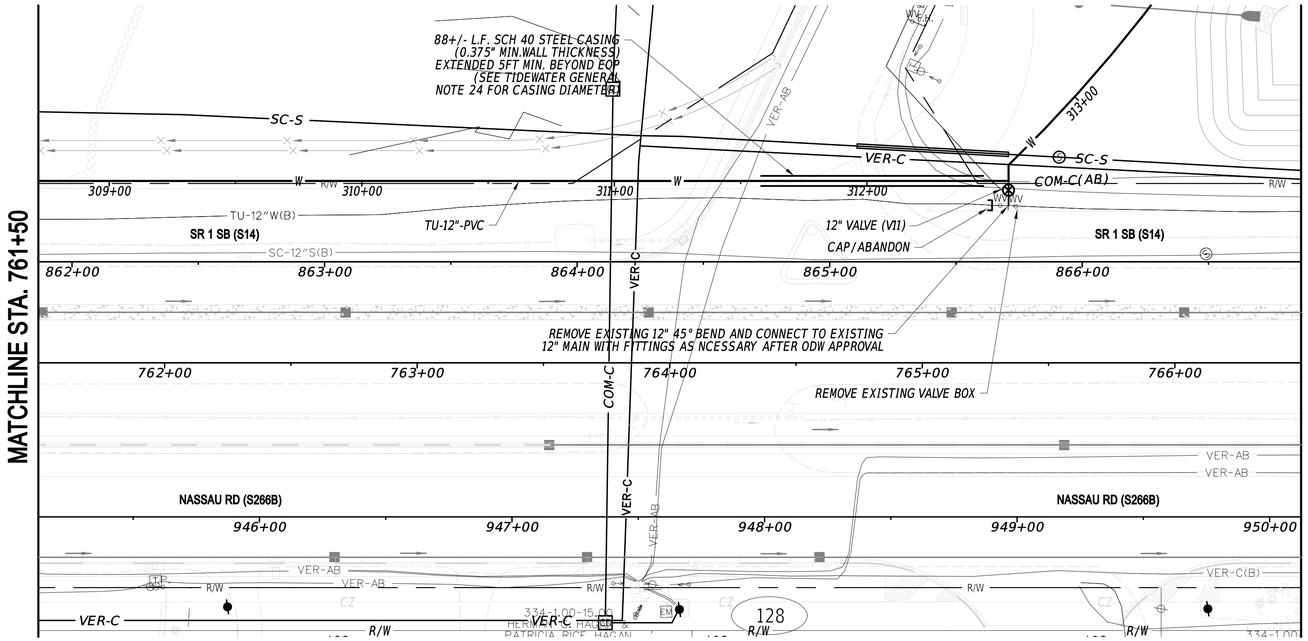
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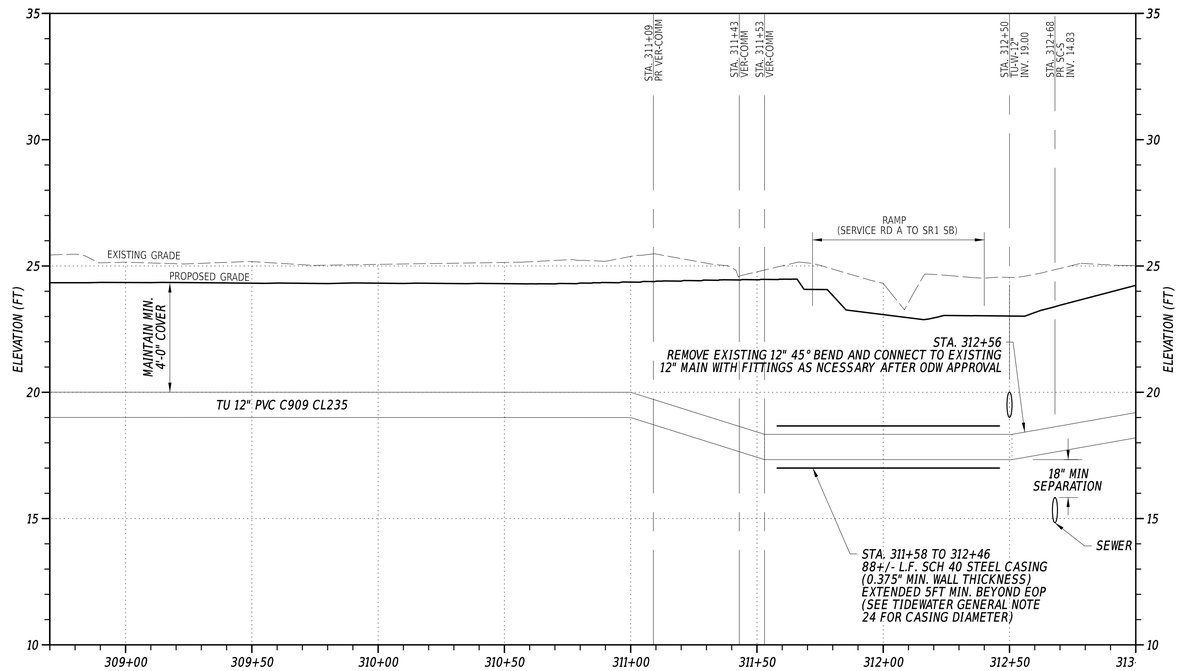
ANDREW JAKUBOWSKI — NO. 13906 — PROFESSIONAL ENGINEER

SEAL

ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. N/A	TIDEWATER WATER RELOCATION PLAN	TW-08 SECTION
				COUNTY SUSSEX	DESIGNED BY: DFS		CEI SHEET NO.
					CHECKED BY: AJ		312

22-APR-2024
24:28
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RECOMMENDED BY:

Gregory L Covey

TIDEWATER UTILITIES, INC.

04-22-24
DATE

PREPARED BY: CENTURY ENGINEERING, A Kleinfelder Company

04-22-24
DATE

THIS SEAL APPLIES TO ALL SHEETS
BEARING THE "TW" SECTION DESIGNATION.

ANDREW JAKUBOWSKI — DELAWARE — NO. 13906 — PROFESSIONAL ENGINEER

SEAL

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

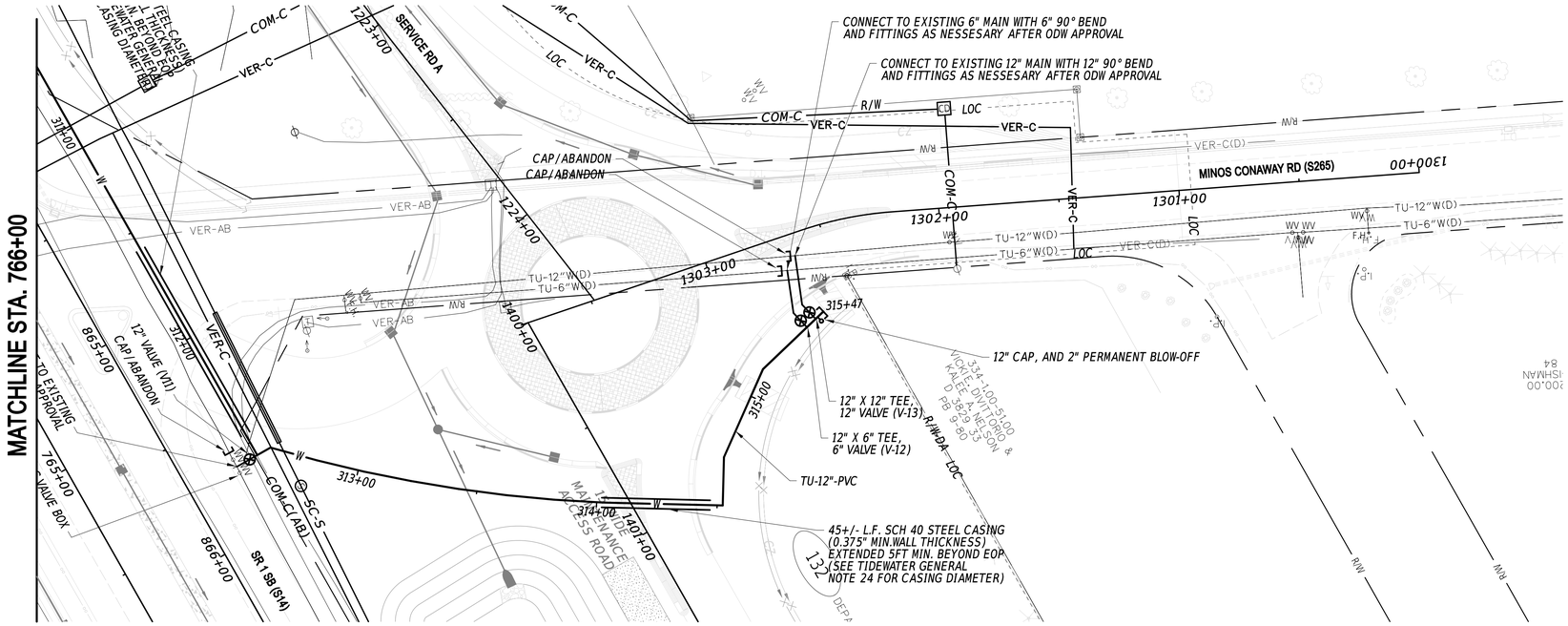
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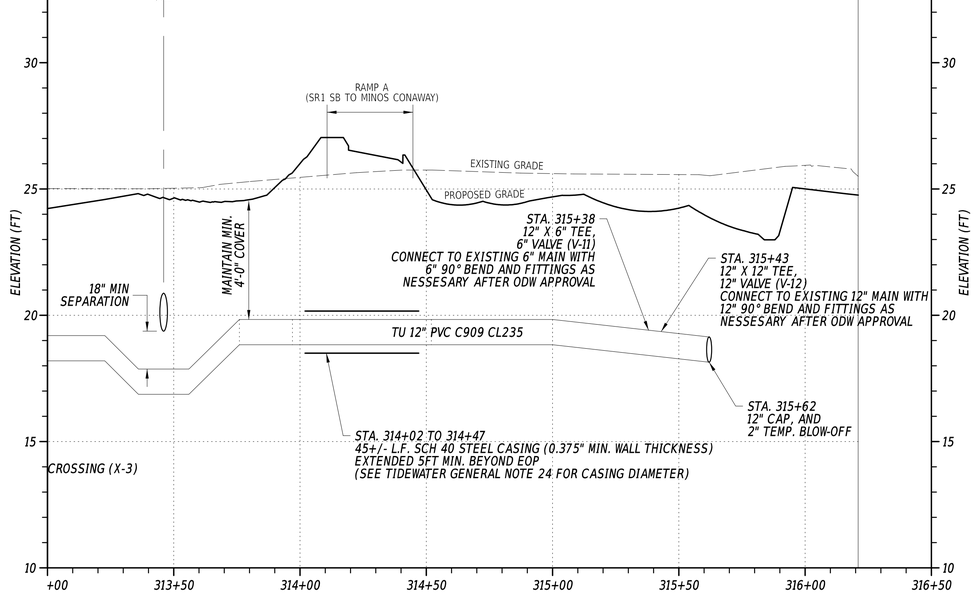
CONTRACT	BRIDGE NO.	N/A
T201612501	DESIGNED BY:	DFS
COUNTY	CHECKED BY:	AJ
SUSSEX		

TIDEWATER WATER RELOCATION PLAN

TW-09
SECTION
CEI
SHEET NO.
313

22-APR-2024
14:29:31
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RECOMMENDED BY:

Gregory L Cowin

TIDEWATER UTILITIES, INC.

04-22-24
DATE

PREPARED BY: CENTURY ENGINEERING, A Kleinfelder Company

THIS SEAL APPLIES TO ALL SHEETS BEARING THE "TW" SECTION DESIGNATION.

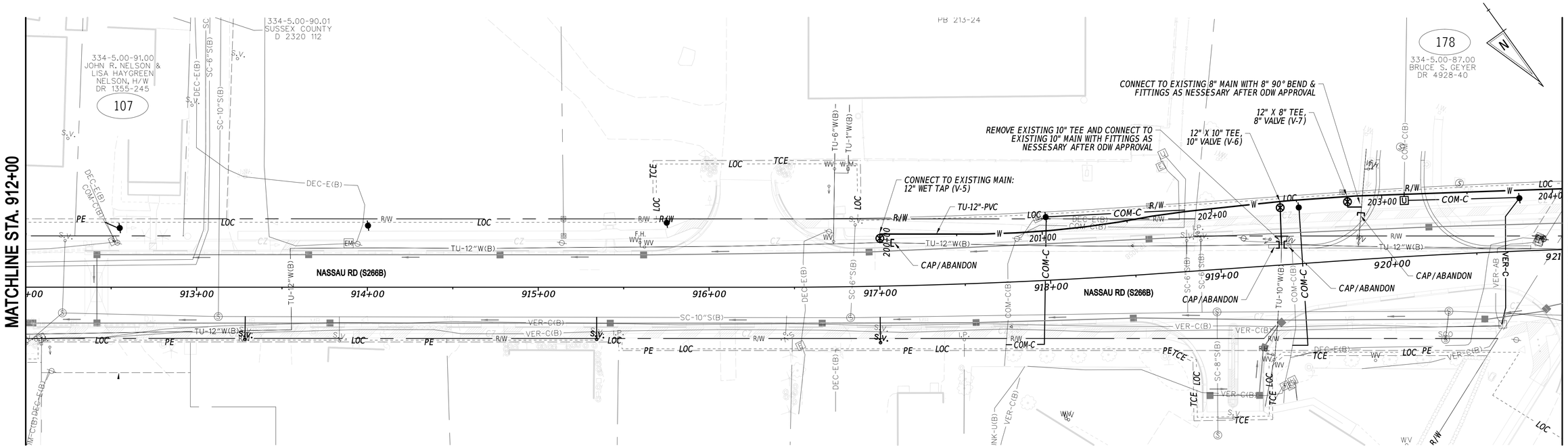
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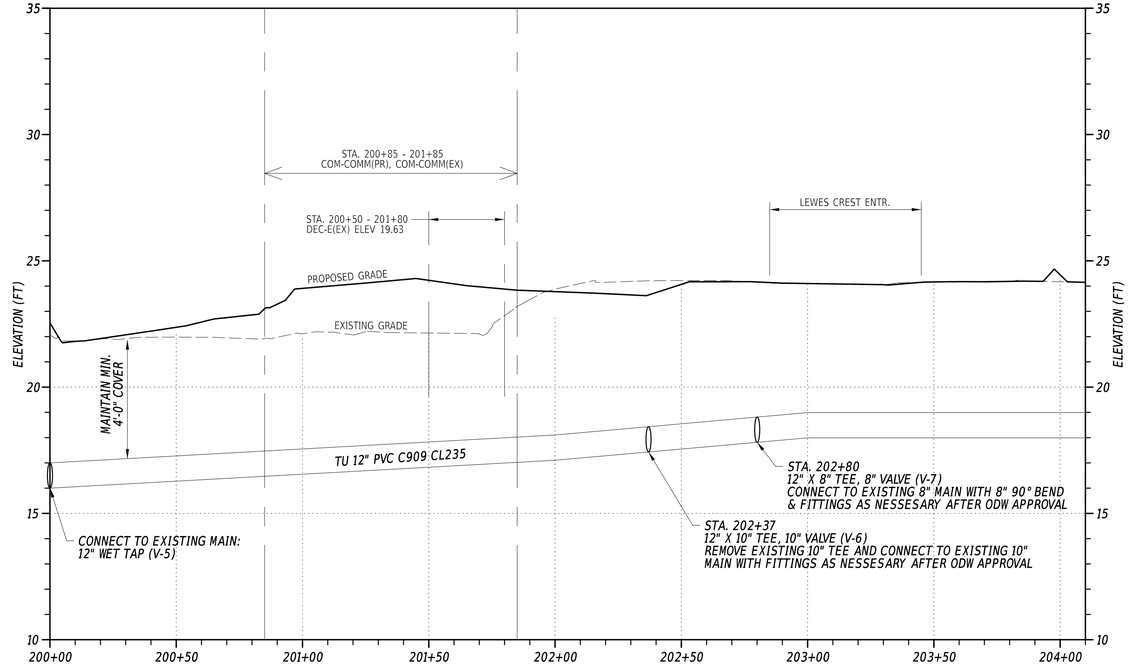
ANDREW C. JAKUBOWSKI, NO. 15906, PROFESSIONAL ENGINEER

SEAL

ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. N/A	TIDEWATER WATER RELOCATION PLAN	TW-10 SECTION CEI
				COUNTY SUSSEX	DESIGNED BY: DFS		SHEET NO. 314
					CHECKED BY: AJ		

22-APR-2024
23:29:22
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RECOMMENDED BY:

TIDEWATER UTILITIES, INC.

04-22-24
DATE

PREPARED BY:

CENTURY ENGINEERING
A Kleinfelder Company

THIS SEAL APPLIES TO ALL SHEETS
BEARING THE "TW" SECTION DESIGNATION.

04-22-24
DATE

ABRAHAM JAKUBOWSKI
No. 13906
STATE OF DELAWARE
PROFESSIONAL ENGINEER

SEAL

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

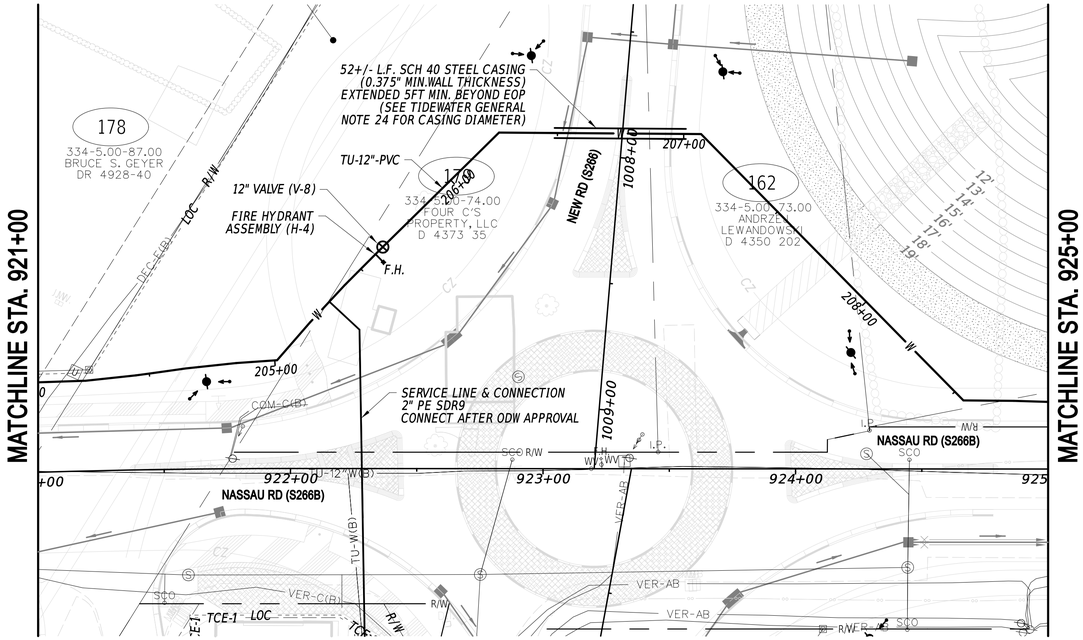
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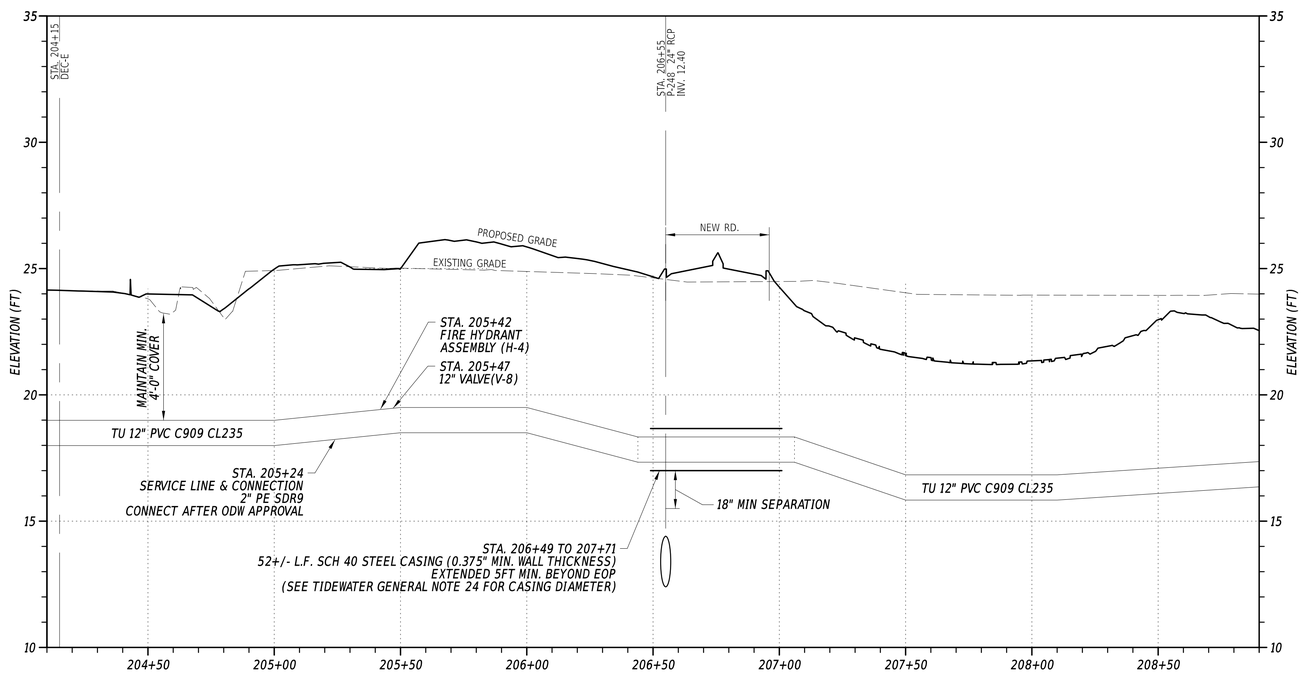
CONTRACT	BRIDGE NO.	N/A
T201612501	DESIGNED BY:	DFS
COUNTY	CHECKED BY:	AJ
SUSSEX		

TIDEWATER WATER RELOCATION PLAN

TW-11
SECTION
CEI
SHEET NO.
315

22-APR-2024
14:20:03
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RECOMMENDED BY:

Gregory L Cooney

TIDEWATER UTILITIES, INC.

04-22-24
DATE

PREPARED BY: CENTURY ENGINEERING, A Kleinfelder Company

THIS SEAL APPLIES TO ALL SHEETS
BEARING THE "TW" SECTION DESIGNATION.

04-22-24
DATE

ANDREW JAKUBOWSKI — NO. 13908 — PROFESSIONAL ENGINEER

SEAL

ADDENDA / REVISIONS			

SCALE
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FEET

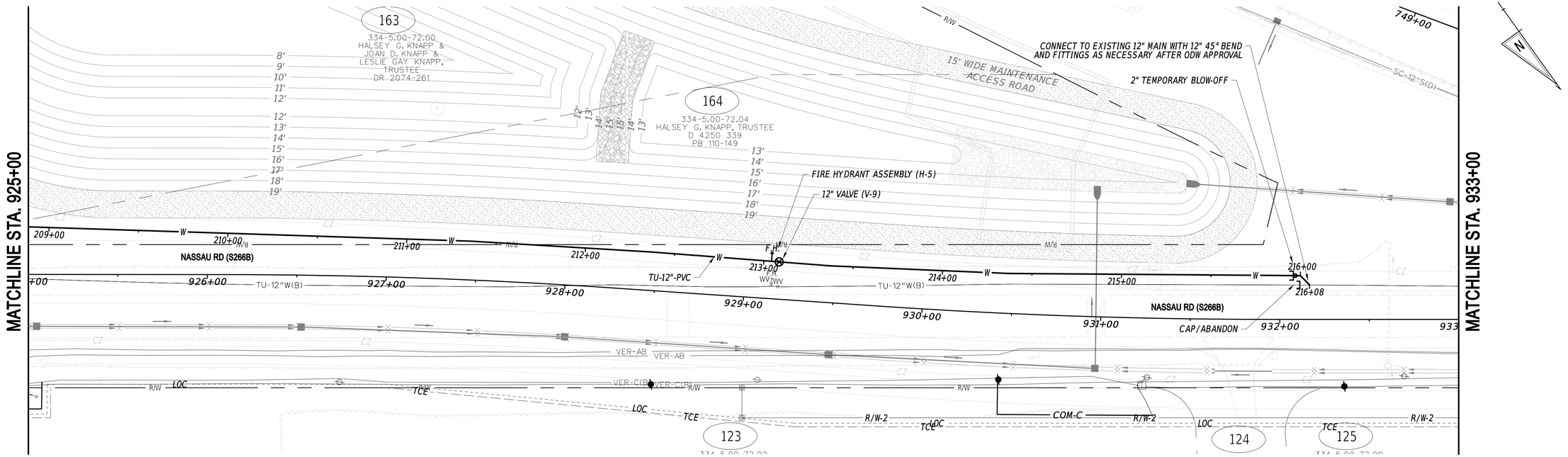
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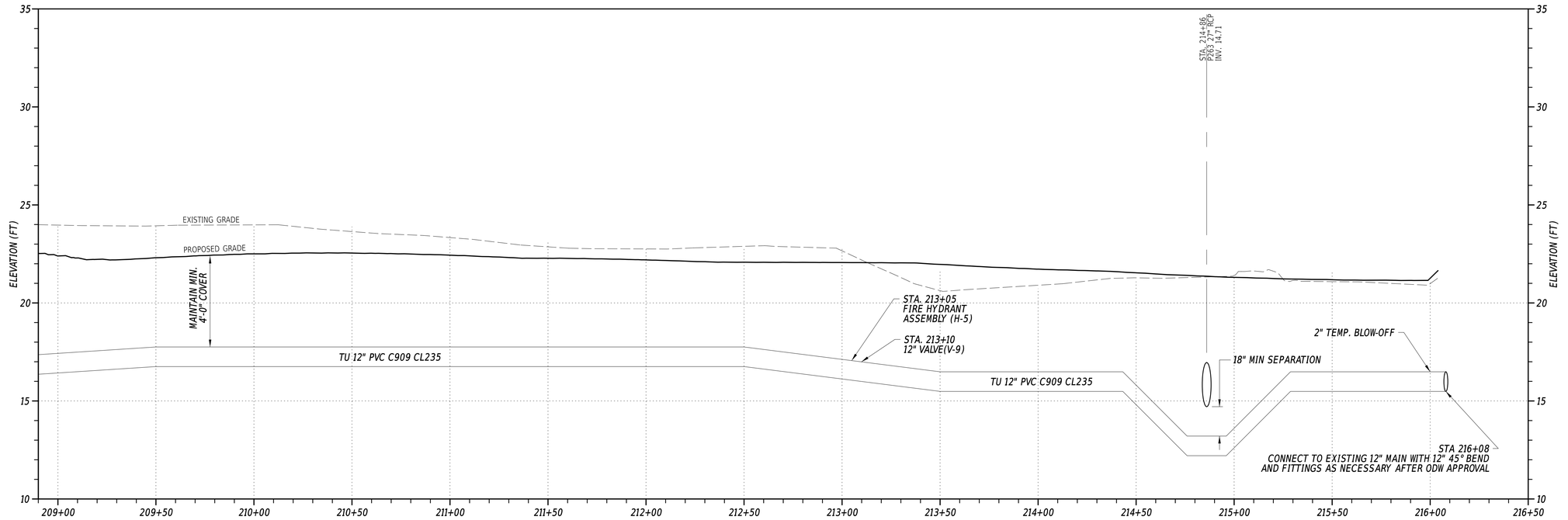
CONTRACT	T201612501	BRIDGE NO.	N/A
COUNTY	SUSSEX	DESIGNED BY:	DFS
		CHECKED BY:	AJ

TIDEWATER WATER RELOCATION PLAN

SECTION	TW-12
	CEI
SHEET NO.	316

22-APR-2024
24:30
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RECOMMENDED BY:

Gregory L Covey

TIDEWATER UTILITIES, INC. — 04-22-24 DATE

PREPARED BY: CENTURY ENGINEERING, A Kleinfelder Company

THIS SEAL APPLIES TO ALL SHEETS BEARING THE "TW" SECTION DESIGNATION. — 04-22-24 DATE

ANDREW JAKUBOWSKI — NO. 13906 — DELAWARE — PROFESSIONAL ENGINEER

SEAL

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

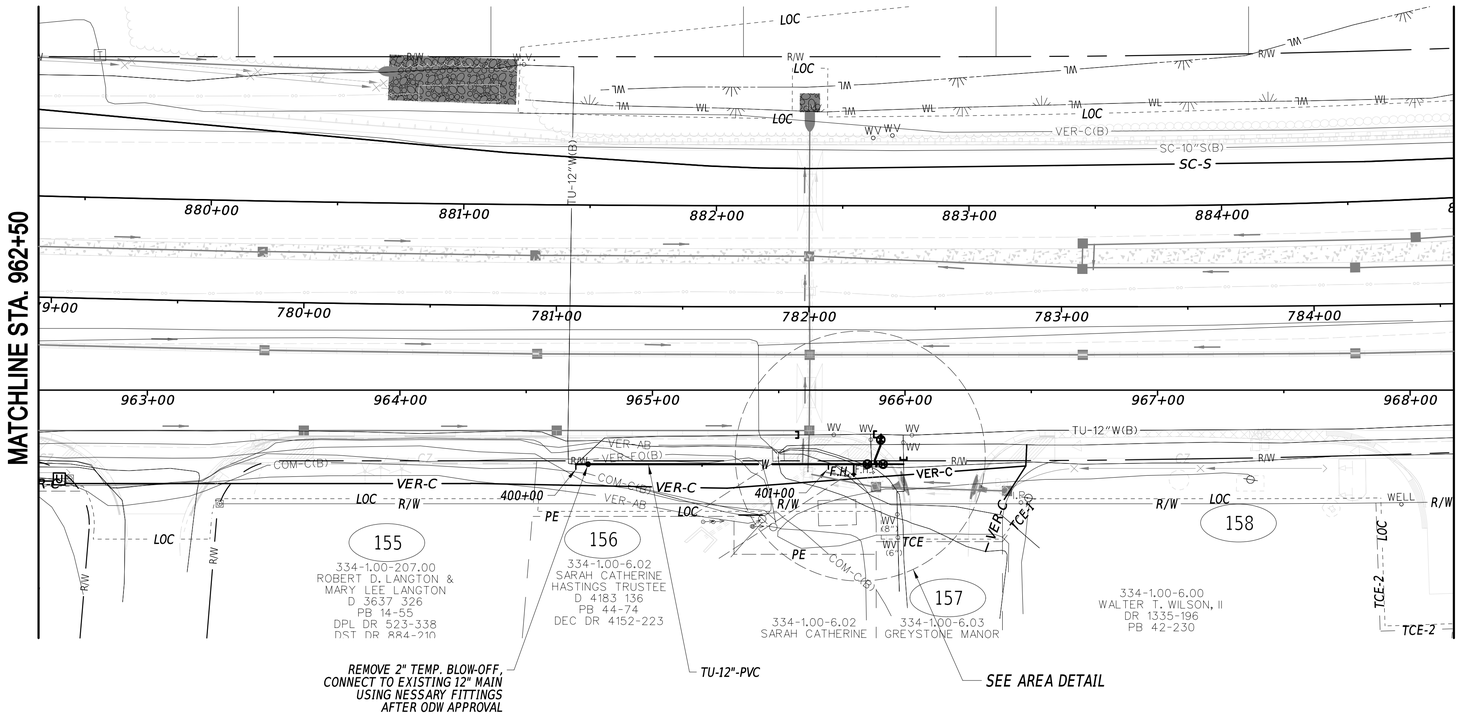
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T201612501	DESIGNED BY:	DFS
COUNTY	CHECKED BY:	AJ
SUSSEX		

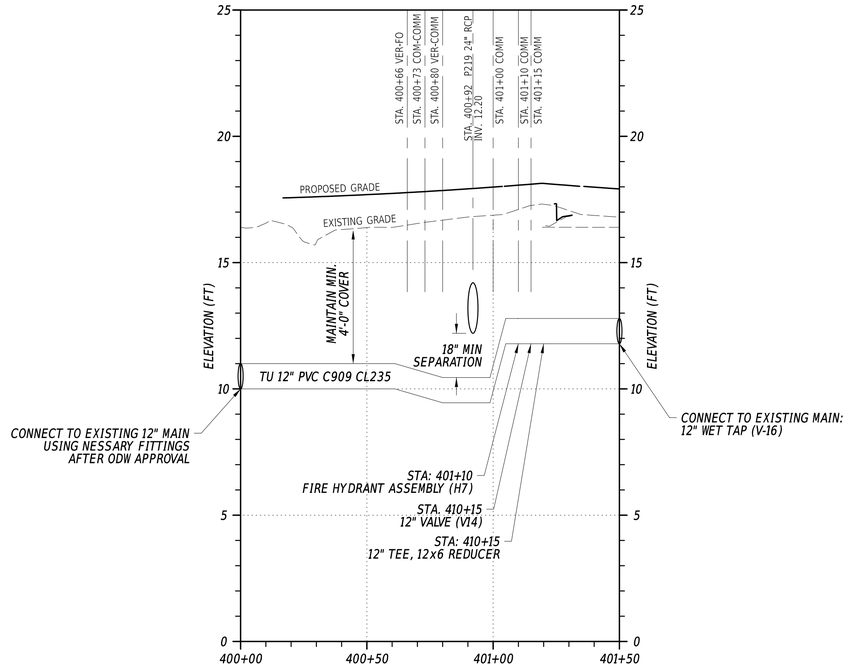
TIDEWATER WATER RELOCATION PLAN

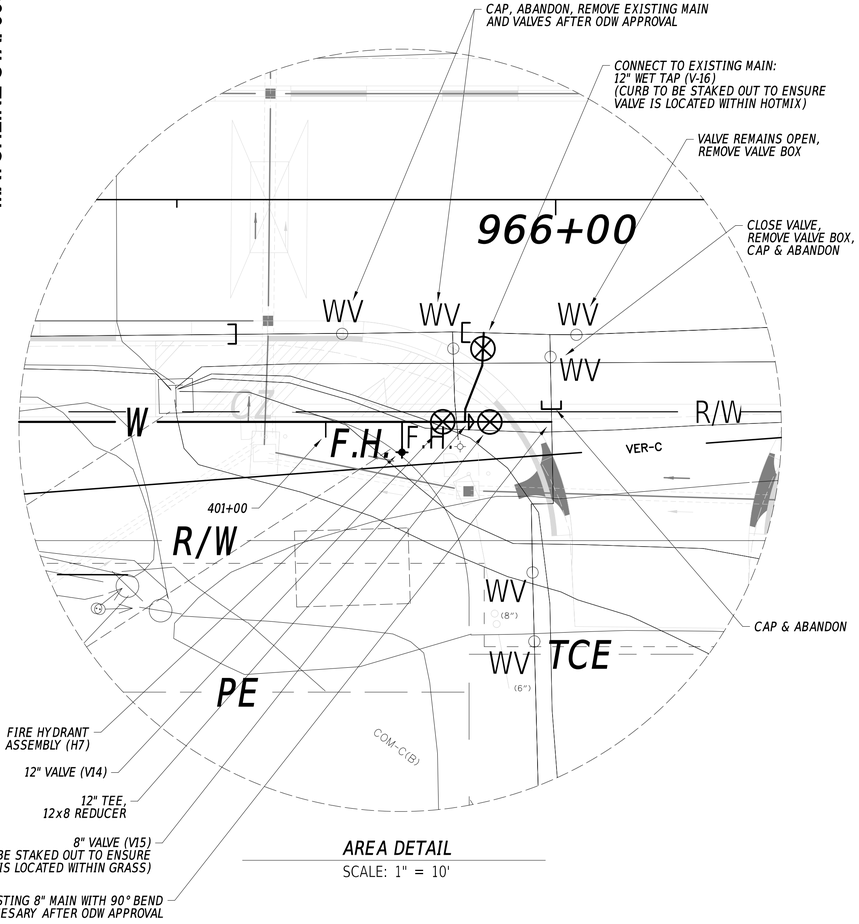
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SECTION	SHEET NO.
CEI	317

22-APR-2024
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AREA DETAIL

SCALE: 1" = 10'

RECOMMENDED BY:

Gregory L Cowey

TIDEWATER UTILITIES, INC.

04-22-24
DATE

PREPARED BY: CENTURY ENGINEERING, A Kleinfelder Company

THIS SEAL APPLIES TO ALL SHEETS BEARING THE "TW" SECTION DESIGNATION.

04-22-24
DATE

ANDREW JAKUBOWSKI — NO. 13906 — PROFESSIONAL ENGINEER

SEAL

ADDENDA / REVISIONS	

SCALE
0 30 60 90
FEET

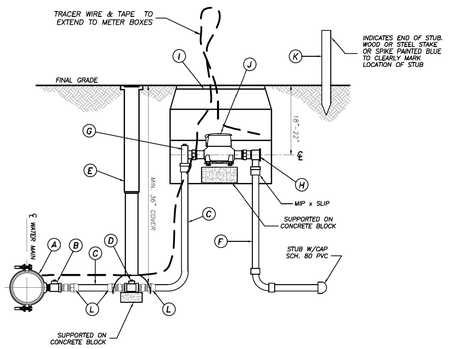
SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	T201612501	BRIDGE NO.	N/A
COUNTY	SUSSEX	DESIGNED BY:	DFS
		CHECKED BY:	AJ

TIDEWATER WATER RELOCATION PLAN

TW-14	
SECTION	CEI
SHEET NO.	318

22-APR-2024
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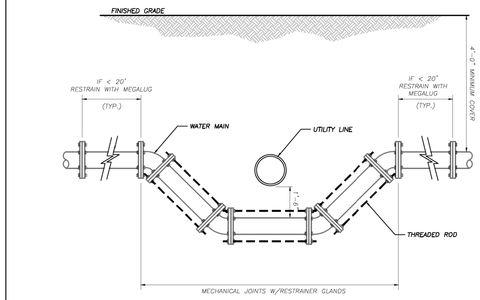
DESIGNATION	DESCRIPTION	MANUFACTURER	MODEL NUMBER	CONNECTION
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B	CORPORATION STOP	FORD	FB1001-7 -1067-NL	IP X CJCTS
C	2" SDR-9 PE TUBING			
D	CURB STOP	FORD	B11-777-NL	2" FIP X 2"FIP
E	CURB BOX WITH LID, 48"			
F	STUB PIPING, 2"		PVC SCHED. 80	MIP X SLIP
G	ANGLE METER KEY VALVE, 1-1/2" & 2" MIN	FORD	FV43-7778-NL	2" CJCTS X 1-1/2" & 2" FLANGE
H	ANGLE CASCADING DUAL CHECK VALVE, 1-1/2" & 2" MIN	FORD	HH4431-777-NL	1-1/2" & 2" FLANGE X 2" FIP
I	METER BOX WITH METER BOX EXTENSION	HIGHLINE HIGHLINE	190110 190105	
J	METER 1-1/2" OR 2"	NEPTUNE	T-10	1-1/2" FLANGE OR 2" FLANGE
L	COUPLING	FORD	C84-77-Q-NL	2" MIP X 2" CJCTS
K	GROUND MARKER			

REV.	DATE	DESCRIPTION	BY	CHK
4	8.8.23	REMOVED SINGLE METER BOX	SAH	GLC
3	4.17.23	REVISED & UPDATE MODEL NUMBERS	SAH	PJG
2	5.26.22	ANGLE CHECK VALVE MODEL	SAH	GLC
1	1.18.08	CHANGED METER DEPTH TO 18"-22"	CGH	DSL

TIDEWATER UTILITIES INC.
A Middlesex Water Company Affiliate
1100 South Little Creek Road
Dover, Delaware 19901

TYPICAL DESIGN DETAILS
2" OUTSIDE SERVICE CONNECTION DETAIL
A-5

DATED: 10.04.02 DRAWN BY: AC
SCALE: N.T.S.
5 / 25

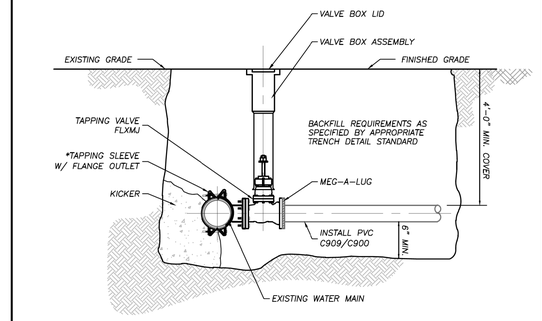


REV.	DATE	DESCRIPTION	BY	CHK
2	2.06.08	ADDED 20' MIN. FOR MEGALUGS	CGH	DSL
1	1.08.08	ADDED THREADED RODS	CGH	DSL
0	8.24.05	INITIAL RELEASE	CGH	DSL

TIDEWATER UTILITIES INC.
A Middlesex Water Company Affiliate
1100 South Little Creek Road
Dover, Delaware 19901

TYPICAL DESIGN DETAILS
WATER MAIN CROSSING UTILITY DETAIL
A-10

DATED: 10.04.02 DRAWN BY: AC
SCALE: N.T.S.
10 / 25



MFG	SERIES	DESCRIPTION
MUELLER	H-304-SS	STAINLESS STEEL TAPPING SLEEVE, W/FLANGE OUTLET, SIZED FOR WET TAP
MUELLER	T-2361	TAPPING VALVE, FLXMJ ENDS W/MJ ACCESSORIES
EBAA IRON	2000PV	MEG-A-LUG, SIZED FOR WATER MAIN

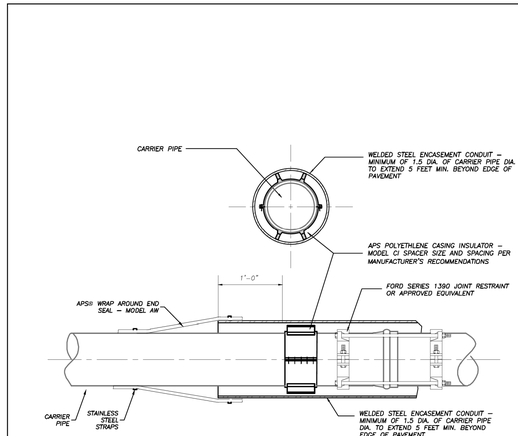
* POSITION OF TAPPING SLEEVE – FOR 12" PIPE OR SMALLER, THE TAP TO BE LOCATED NO CLOSER THAN 24" FROM:
- THE BACK OF THE BELL
- THE SPIGOT INSERTION LINE
- JOINT RESTRAINT HARDWARE
- OTHER DIRECT TAPS OR SADDLE TAPS

TIDEWATER UTILITIES INC.
A Middlesex Water Company Affiliate
1100 South Little Creek Road
Dover, Delaware 19901

TYPICAL DESIGN DETAILS
WET TAPPING SLEEVE & VALVE INSTALLATION
A-11

REV.	DATE	DESCRIPTION	BY	CHK

DATED: 8.21.2023 DRAWN BY: SAH
SCALE: N.T.S.
11 / 25

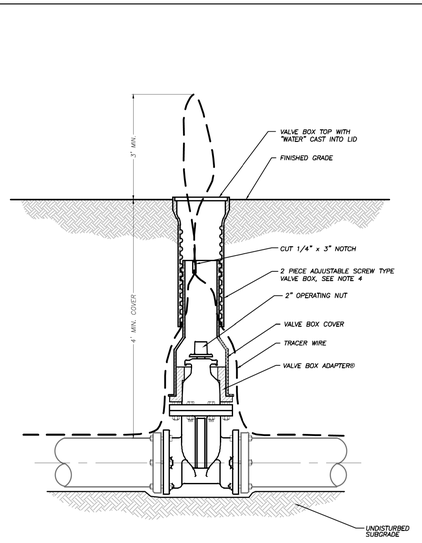


REV.	DATE	DESCRIPTION	BY	CHK
3	4.27.23	REVISED NOTES & FITTINGS	SAH	GLC
2	2.25.22	REVISED SPACER	SAH	GLC
1	2.7.13	REVISED SPACER	SAH	JMK

TIDEWATER UTILITIES INC.
A Middlesex Water Company Affiliate
1100 South Little Creek Road
Dover, Delaware 19901

TYPICAL DESIGN DETAILS
ROAD BORING DETAIL
A-12

DATED: 10.04.02 DRAWN BY: AC
SCALE: N.T.S.
12 / 25

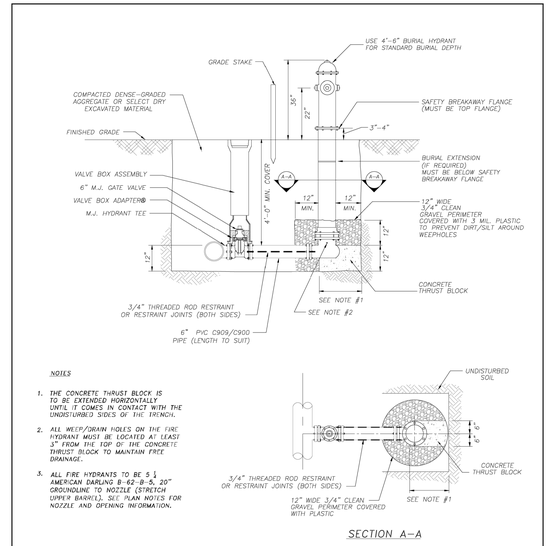


REV.	DATE	DESCRIPTION	BY	CHK
1	8.7.2018	ADDED NOTCH	SAH	JMK
0	5.24.08	INITIAL RELEASE	SAH	DSL

TIDEWATER UTILITIES INC.
A Middlesex Water Company Affiliate
1100 South Little Creek Road
Dover, Delaware 19901

TYPICAL DESIGN DETAILS
VALVE BOX DETAIL
A-15

DATED: 12/5/08 DRAWN BY: SAH
SCALE: N.T.S.
15 / 25



NOTES

1. THE CONCRETE THRUST BLOCK IS TO BE EXTENDED HORIZONTALLY UNTIL IT COMES IN CONTACT WITH THE UNDISTURBED SIDES OF THE TRENCH.
2. ALL WEEP/DRAIN HOLES ON THE FIRE HYDRANT MUST BE LOCATED AT LEAST 3" FROM THE TOP OF THE CONCRETE THRUST BLOCK TO MAINTAIN FREE DRAINAGE.
3. ALL FIRE HYDRANTS TO BE 5 ½ AMERICAN DARLING B-62-B-5, 20" GROUNDLINE TO NOZZLE (STRETCH UPPER BARREL). SEE PLAN NOTES FOR NOZZLE AND OPENING INFORMATION.

SECTION A–A

REV.	DATE	DESCRIPTION	BY	CHK
3	4.17.23	CHANGED HYDRANT HEIGHT	SAH	GLC
2	8.2.22	CHANGED HYDRANT MODEL	SAH	BCC
1	5.24.09	ADDED VALVE BOX ADAPTER	SAH	DSL

TIDEWATER UTILITIES INC.
A Middlesex Water Company Affiliate
1100 South Little Creek Road
Dover, Delaware 19901

TYPICAL DESIGN DETAILS
FIRE HYDRANT ASSEMBLY DETAIL
A-16

DATED: 10.04.02 DRAWN BY: AC
SCALE: N.T.S.
16 / 25

REVISIONS		

NOT TO SCALE

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

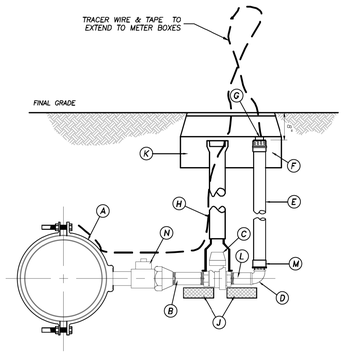
CONTRACT	T201612501
COUNTY	SUSSEX

BRIDGE NO.	N/A
DESIGNED BY:	DFS
CHECKED BY:	AJ

TIDEWATER WATER RELOCATION DETAILS

TW-15	
SECTION	
CENTURY	
SHEET NO.	319

22-APR-2024
14:47
G:\Projects\175031.00 (Agmt 1853F SUE)\Coordination Projects\T201612501_SR1 Minos Conaway\Tidewater\PLANS\TW_15- DETAILS.dgn



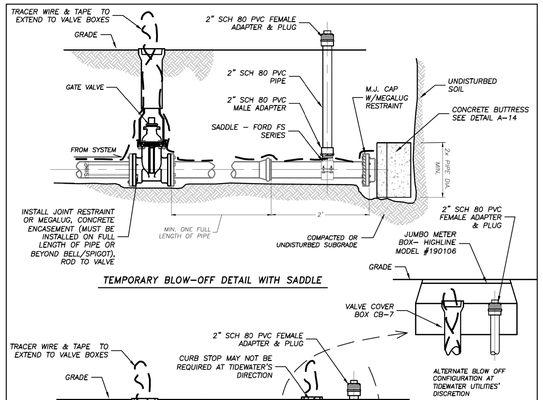
DESIGNATION	DESCRIPTION	MANUFACTURER	MODEL NUMBER	SIZE
A	SADDLE	FORD	FS202-XXX-IP7	2"
B	BRASS NIPPLE			2" x 6"
C	CURB STOP	FORD	B11-777	2"
D	90° ELBOW		BRASS	2"
E	PIPE		PVC SCHED. 80	2"
F	FEMALE ADAPTER		PVC SCHED. 80	2"
G *	DWV PLUG		PVC SCHED. 80	2"
H	VALVE COVER BOX		CB-7	
I				
J	CEMENT BRICK			
K	JUMBO METER BOX	HIGHLINE	190108	
L	BRASS NIPPLE			2" x 6"
M	MALE ADAPTER		PVC SCHED. 80	2"
N	CORP STOP	FORD	FB1700-7	2"

* INSTALL FINGER TIGHT ONLY

TIDEWATER UTILITIES INC.
A MidAmerican Water Company Affiliate
1100 South Little Creek Road
Dover, Delaware 19901

TYPICAL DESIGN DETAILS
PERMANENT BLOW OFF DETAIL
A-17

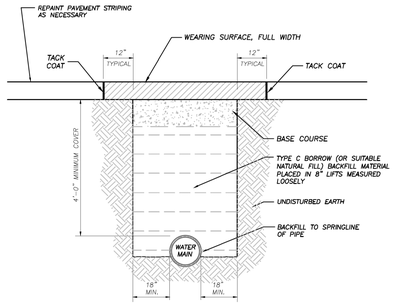
REV.	DATE	DESCRIPTION	BY	CHK
DATED: 8.7.2023		DRAWN BY: SAH	17	25
SCALED: N.T.S.				



TIDEWATER UTILITIES INC.
A MidAmerican Water Company Affiliate
1100 South Little Creek Road
Dover, Delaware 19901

TYPICAL DESIGN DETAILS
TEMPORARY BLOW-OFF DETAIL
A-18

REV.	DATE	DESCRIPTION	BY	CHK
2	8.4.2023	ADDED METER BOX DETAIL	SAH	GLC
1	5.8.2023	ADDED CURB STOP	SAH	GLC
DATED: 1/11/2023		DRAWN BY: SAH	18	25
SCALED: N.T.S.				



NOTE:
IN UNPAVED AREAS PROVIDE 6" OF TOPSOIL AND MULCH

RESTORATION	BASE COURSE	WEARING SURFACE/OVERLAY
* CONCRETE DRIVEWAY REPAVING	6" GRADED AGGREGATE	6" CLASS B CONRETE
* HOT-MIX DRIVEWAY REPAVING	6" GRADED AGGREGATE	2" INCHES HOT-MIX, HOT-LAID BITUMINOUS CONCRETE, TYPE C
TEMPORARY REPAVING	8" INCHES GRADED AGGREGATE	2" INCHES HOT-MIX, HOT-LAID BITUMINOUS CONCRETE, TYPE B OR C OR 3" COLD LAID, BITUMINOUS CONCRETE
LANDSCAPED/UNPAVED AREAS	COMPACTED SUBGRADE	SEEDING AND MULCHING OR STRAW AS REQUIRED

*IF A GREATER CROSS SECTION EXISTS, MATCH EXISTING.

TIDEWATER UTILITIES INC.
A MidAmerican Water Company Affiliate
1100 South Little Creek Road
Dover, Delaware 19901

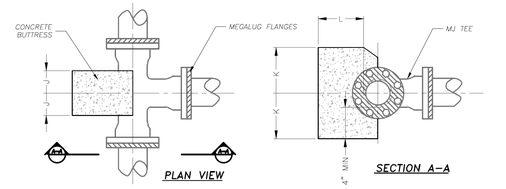
TYPICAL DESIGN DETAILS
TEMPORARY PAVEMENT, DRIVEWAY AND TRENCH DETAIL
A-22

REV.	DATE	DESCRIPTION	BY	CHK
2	8.17.2018	INCREASED WIDTH PER DELDOT	SAH	GLC
1	3.19.2018	INITIAL RELEASE	SAH	GLC
DATED: 3.16.2016		DRAWN BY: SAH	22	25
SCALED: N.T.S.				

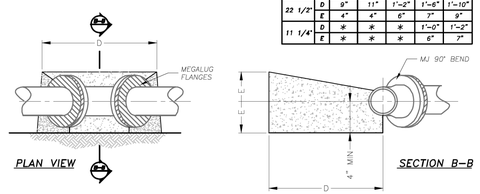
NOTES

1. PORTLAND CEMENT CONCRETE FOR BUTRESSES SHALL BE 3000 P.S.I. MINIMUM.
2. BUTTRESS DIMENSIONS SHOWN ARE MINIMUM DIMENSIONS BASED UPON A SOIL BEARING CAPACITY OF 3000 P.S.F. AND STATIC WATER PRESSURE OF 150 P.S.I.
3. MODIFICATIONS TO BUTTRESS DIMENSIONS IS TO BE AT THE SOLE DISCRETION OF TIDEWATER UTILITIES, INC. AND ANY CHANGES TO BUTTRESS DIMENSIONS SHALL BE APPROVED BY TIDEWATER UTILITIES, INC. BEFORE ANY CHANGE IS PERFORMED.
4. ALL CONCRETE TO MEET UNDISTURBED EARTH.
5. FITTINGS TO BE WRAPPED IN 3 MIL. PLASTIC WHERE CONCRETE IS PRESENT.

SIZE	4"	6"	8"	10"	12"
J	4"	6"	8"	11"	13"
K	8"	10"	13"	16"	19"
L	8"	8"	8"	10"	12"



SIZE		4"	6"	8"	10"	12"
90°	D	1'-8"	2'-0"	2'-3"	3'-0"	3'-4"
	E	5"	7"	9"	1' 1/2"	1'-3"
45°	D	1'-0"	1'-3"	1'-10"	2'-4"	3'-0"
	E	4"	5"	8"	10"	12"
22 1/2	D	9"	11"	1'-2"	1'-6"	1'-10"
	E	4"	4"	6"	7"	9"
11 1/4"	D	*	*	*	1'-0"	1'-2"
	E	*	*	*	6"	7"



CONCRETE BUTTRESSES FOR HORIZONTAL BENDS AND TEES
NTS

TIDEWATER UTILITIES INC.
A MidAmerican Water Company Affiliate
1100 South Little Creek Road
Dover, Delaware 19901

TYPICAL DESIGN DETAILS
THRUST BLOCK DETAIL
A-23

REV.	DATE	DESCRIPTION	BY	CHK
1	1.17.17	REVISED DRAWINGS, ADDED MJ & DIM	SAH	JMY
0	8.04.05	INITIAL RELEASE	DDH	DSL
DATED: 10.04.02		DRAWN BY: AC	23	25
SCALED: N.T.S.				

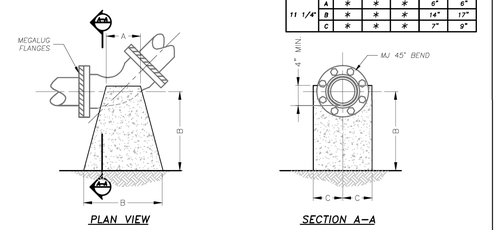
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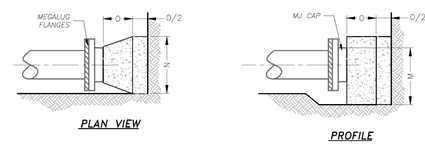
1. PORTLAND CEMENT CONCRETE FOR BUTRESSES SHALL BE 3000 P.S.I. MINIMUM.
2. BUTTRESS DIMENSIONS SHOWN ARE MINIMUM DIMENSIONS BASED UPON A SOIL BEARING CAPACITY OF 3000 P.S.F. AND STATIC WATER PRESSURE OF 150 P.S.I.
3. MODIFICATIONS TO BUTTRESS DIMENSIONS IS TO BE AT THE SOLE DISCRETION OF TIDEWATER UTILITIES, INC. AND ANY CHANGES TO BUTTRESS DIMENSIONS SHALL BE APPROVED BY TIDEWATER UTILITIES, INC. BEFORE ANY CHANGE IS PERFORMED.
4. ALL CONCRETE TO MEET UNDISTURBED EARTH.

FITTINGS TO BE WRAPPED IN53 MIL. PLASTIC WHERE CONCRETE IS PRESENT.

VERTICLE BENDS

SIZE		4"	6"	8"	10"	12"
45°	A	6"	6"	6"	6"	6"
	B	14"	17"	22"	27"	2'-10"
	C	5"	6"	9"	11"	13"
22 1/2	A	6"	6"	6"	6"	6"
	B	9"	11"	14"	18"	22"
	C	4"	4"	6"	8"	10"
11 1/4"	A	*	*	*	6"	6"
	B	*	*	*	14"	17"
	C	*	*	*	7"	9"





PLUGS

SIZE	4"	6"	8"	10"	12"
M	10"	13"	16"	19"	21"
N	10"	19"	2'-2"	2'-8"	3'-2"
O	5"	7"	9"	11"	13"

NOTE:
CARRY CONCRETE TO SOLID GROUND

CONCRETE BUTTRESSES FOR VERTICAL BENDS AND PLUGS
NTS

TIDEWATER UTILITIES INC.
A MidAmerican Water Company Affiliate
1100 South Little Creek Road
Dover, Delaware 19901

TYPICAL DESIGN DETAILS
THRUST BLOCK DETAIL
A-24

REV.	DATE	DESCRIPTION	BY	CHK
1	1.17.17	REVISED DRAWINGS, ADDED MJ & DIM	SAH	JMY
0	8.04.05	INITIAL RELEASE	DDH	DSL
DATED: 10.04.02		DRAWN BY: AC	24	25
SCALED: N.T.S.				

REVISIONS			

NOT TO SCALE

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	N/A
T201612501	DESIGNED BY:	DFS
COUNTY	CHECKED BY:	AJ
SUSSEX		

TIDEWATER WATER RELOCATION DETAILS

TW-16
SECTION
CENTURY
SHEET NO.
320

22-APR-2024
14:47
G:\P\Projects\175031.00 (Agmt 1853F SUE)\Coordination Projects\T201612501_SR1 Minos Conaway\TIdewater\PLANS\TW_16 - DETAILS2.dgn

GENERAL SEQUENCE OF CONSTRUCTION

1. BEFORE COMMENCING WORK INVOLVING REMOVING OR PLACING IN OPERATION EXISTING OR NEW FACILITIES OR TIE-INS TO EXISTING FACILITIES, THE CONTRACTOR SHALL NOTIFY TIDEWATER AT LEAST FIVE (5) BUSINESS DAYS IN ADVANCE IN WRITING. TIDEWATER SHALL BE RESPONSIBLE FOR REMOVING FACILITIES FROM OPERATION AS DEEMED NECESSARY.

2. WORK UNDER THE CONTRACT SHALL BE SCHEDULED AND PERFORMED IN SUCH A MANNER AS TO RESULT IN THE LEAST POSSIBLE DISRUPTION TO THE PUBLIC'S USE OF ROADWAYS, SIDEWALKS, DRIVEWAYS, PARKING AREAS, AND UTILITIES. UTILITIES SHALL INCLUDE, BUT NOT BE LIMITED TO WATER (POTABLE, RECLAIMED OR RAW) TRANSMISSION AND DISTRIBUTION, SANITARY SEWERAGE COLLECTION AND TRANSMISSION, IRRIGATION, STORM DRAINAGE SEWERAGE AND STRUCTURES, GAS, ELECTRICAL DISTRIBUTION AND TRANSMISSION, CABLE TV, FIBER OPTIC CABLES, DATA/TELEPHONE AND TELECOMMUNICATIONS. PRIOR TO COMMENCING WITH THE WORK, CONTRACTOR SHALL PERFORM A LOCATION INVESTIGATION OF ALL EXISTING UNDERGROUND AND ABOVE GROUND UTILITIES AND FACILITIES. UTILITIES THAT PRESENT POTENTIAL CONFLICT WITH THE PROPOSED PIPING SHALL BE FIELD VERIFIED WITH UTILITY TEST PITS.

3. THE OUTLINED SEQUENCE OF CONSTRUCTION DOES NOT INCLUDE ALL ITEMS NECESSARY TO COMPLETE THE WORK BUT IS INTENDED TO IDENTIFY THE SEQUENCE OF CRITICAL EVENTS NECESSARY TO MINIMIZE ANY DISRUPTIONS AND TO AVOID ANY IMPACT TO CONTINUED SYSTEM SERVICE. IT SHALL BE UNDERSTOOD BY THE CONTRACTOR THAT THE CRITICAL EVENTS IDENTIFIED ARE NOT ALL INCLUSIVE AND THAT ADDITIONAL ITEMS OF WORK NOT SHOWN MAY BE REQUIRED. THE SEQUENCE OF CONSTRUCTION IS A PRECEDENCE REQUIREMENT AND DOES NOT ATTEMPT TO SCHEDULE THE CONTRACTOR'S WORK. IT IS INTENDED ONLY TO INDICATE WHICH ACTIVITIES MUST PRECEDE OTHER ACTIVITIES IN ORDER TO MINIMIZE INTERFERENCES AND DISRUPTIONS.

4. AT NO TIME WILL THE CONTRACTOR BE ALLOWED TO DEACTIVATE ANY PORTION OF THE EXISTING WATER SYSTEM BY OPERATING SYSTEM VALVES, PLUGGING OR REMOVING ANY PIPELINES, OR TAKE ANY OTHER ACTION WHICH WOULD AFFECT THE OPERATION OF THE EXISTING SYSTEM, EXCEPT WHEN REQUIRED BY THE CONTRACT DOCUMENTS, AND SPECIFICALLY AUTHORIZED BY TIDEWATER AFTER PROPER NOTIFICATION.

5. COMPLETION OF THE WORK IN A GIVEN PHASE COULD OVERLAP WITH COMMENCEMENT OF WORK ON SUBSEQUENT PHASES. HOWEVER, THE WORK ON THE CURRENT SECTION MUST CONTINUE FROM BEGINNING TO END WITHOUT DELAY OR INTERRUPTION, INCLUDING THE ITEMS LISTED ABOVE.

6. SPECIFIC PHASING SCHEME WILL NOT BE DICTATED BY THE CONTRACT. HOWEVER, PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT A PLAN FOR SEQUENCING THE PROJECT SECTIONS.

7. CONSTRUCTION CONSTRAINTS: CONTRACTOR SHALL COMPLY WITH THE FOLLOWING CONSTRAINTS DURING CONSTRUCTION AND UTILIZE CONSTRAINTS IN DETERMINING A SEQUENCE OF CONSTRUCTION:

   A. CONSTRUCTION WORK DURING THE INSTALLATION OF THE PROPOSED WORK SHALL BE LIMITED TO THE PUBLIC RIGHT-OF-WAY. HOMEOWNERS SHALL HAVE ACCESS TO THEIR DRIVEWAYS AND PROPERTIES AT ALL TIMES.

   B. THE EXCAVATION AREA SHALL BE SURROUNDED WITH BARRICADES AND OBSTRUCTIONS ILLUMINATED WITH TEMPORARY LIGHT FURNISHED, INSTALLED AND MAINTAINED BY THE CONTRACTOR.

   C. FINAL RESTORATION OF ROADS, DRIVEWAYS, SIDEWALKS AND ALL OTHER PAVED AREAS SHALL BE COMPLETED AS DIRECTED BY DELDOT.

   D. CONTRACTOR IS EXPECTED TO WORK ON THE WATERLINE DURING THE REGULAR HOURS OF TIDEWATER'S INSPECTORS UNLESS SPECIFIC REQUIREMENTS IN THE CONTRACT DOCUMENTS REQUIRE WORK OUTSIDE OF THOSE HOURS. TIDEWATER INSPECTOR'S REGULAR HOURS ARE 7:00AM TO 4:00PM, MONDAY THROUGH FRIDAY, EXCLUDING HOLIDAYS. REQUESTS FOR APPROVAL TO WORK DURING OTHER THAN REGULAR HOURS MUSTBE SUBMITTED TO DELDOT AT LEAST 72 HOURS IN ADVANCE OFTHE PERIOD PROPOSED FOR SUCH OVERTIME WORK AND SHALL SET FORTH THE PROPOSED SCHEDULE FOR OVERTIME.

OPERATION REQUIREMENTS

1. MOBILIZATION / SITE PREPARATION: MOBILIZE FOR WORK, VIDEO WORKING AREAS, SET UP STAGING AND STORAGE AREAS, OBTAIN PERMITS, DEVELOP AND SUBMIT CONSTRUCTION SCHEDULE, SUBMIT SHOP DRAWING SCHEDULE, SURVEY, LOCATE EXISTING UTILITIES AND ELEVATIONS WITH TEST PITS, VERIFY EXISTING FITTINGS TO BE CONNECTED, SHOP DRAWING SUBMITTALS, AND PROCURE MATERIALS.

2. CONSTRUCTION OF THE WATER SYSTEM: TASKS CONSIST OF THE INSTALLATION OF PROPOSED IMPROVEMENTS AS DESCRIBED IN THE APPROVED CONSTRUCTION DOCUMENTS.

3. PHASING OF THE WORK IS OF PARTICULAR IMPORTANCE. CONSTRUCTION SHALL BE COMPLETED IN SECTIONS, WITH EACH SECTION OF CONSTRUCTION TO BE COMPLETED BEFORE PERFORMING WORK IN ANOTHER SECTION, INCLUDING BUT NOT LIMITED TO:

   A. INSTALLATION OF WATER MAINS, HYDRANTS, SERVICES AND APPURTENANCES
   B. BACKFILL, COMPACTION AND TRENCH RESTORATION
   C. WATER MAIN TESTING AND DISINFECTION
   D. FIRST LIFT OF ASPHALT PAVEMENT AND TEMPORARY PAVEMENT MARKINGS
   E. SITE CLEAN-UP AND RESTORATION
   F. OPENING ROADS TO TRAFFIC

DETAILED SEQUENCE OF CONSTRUCTION

THE OUTLINED SEQUENCE OF CONSTRUCTION DOES NOT INCLUDE ALL ITEMS NECESSARY TO COMPLETE THE WORK BUT IS INTENDED TO IDENTIFY THE SEQUENCE OF CRITICAL EVENTS NECESSARY TO MINIMIZE ANY DISRUPTIONS AND TO AVOID ANY IMPACT TO CONTINUED COLLECTION SYSTEM SERVICE.

WATER SECTION 1: JANICE RD – PIPE 100

1. INSTALL WET TAP AT STA. 100+00
2. INSTALL WATER MAIN FROM STA. 100+00 TO 115+12, CASING ACROSS JANICE RD., HYDRANTS
3. PRESSURE TEST, CONNECT TO EXISTING WATER MAIN AFTER ODW APPROVAL
4. GROUT, CAP, ABANDON EXISTING WATER MAIN

WATER SECTION 2: NASSAU RD / NEW RD – PIPE 200

1. INSTALL WET TAP AT STA. 200+00
2. INSTALL WATER MAIN FROM STA. 200+00 TO 216-08, CASING ACROSS NEW RD., HYDRANTS, TEMP BLOW-OFF
3. PRESSURE TEST, CONNECT TO EXISTING WATER MAIN AFTER ODW APPROVAL
4. GROUT, CAP, ABANDON EXISTING WATER MAIN

WATER SECTION 3: RT. 1 – PIPE 300

1. COORDINATE EXISTING WATER MAIN SHUTDOWN WITH TIDEWATER UTILITIES
2. INSTALL WATERMAIN FROM STA. 300+00 TO 315+48, CASING ACROSS MINOS CONAWAY AND SERVICE RD "A", HYDRANT, PERMANENT BLOW-OFF
3. PRESSURE TEST, CONNECT TO EXISTING WATER MAIN AFTER ODW APPROVAL
4. GROUT, CAP, ABANDON EXISTING WATER MAIN

WATER SECTION 4: NASSAU RD / RT. 1 - PIPE 400

1. VERIFY CURB & SIDEWALK HAVE BEEN STAKED OUT TO ENSURE VALVES ARE LOCATED AS SPECIFIED
2. INSTALL WET TAP AT STA. 401+21
3. INSTALL WATER MAIN FROM STA. 401+29 TO 400-00, HYDRANT, TEMPORARY BLOW-OFF
4. PRESSURE TEST, CONNECT TO EXISTING WATER MAIN AFTER ODW APPROVAL
5. GROUT, CAP, ABANDON EXISTING WATER MAIN

REVISIONS		NOT TO SCALE	SR1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	T201612501	BRIDGE NO.	N/A	TIDEWATER WATER RELOCATION SEQUENCE OF CONSTRUCTION	TW-17
				COUNTY	SUSSEX	DESIGNED BY:	DFS		SECTION
						CHECKED BY:	AJ		CENTURY
									SHEET NO. 321

18-APR-2024
13:06
G:\Projects\175031.00 (Agmt 18535P SUE)\Coordination Projects\T201612501_SR1 Minos Conaway\TIdewater\PLANS\TW_16 - SOC.dgn

GENERAL NOTES

1. EQUIPMENT AND/OR STOCKPILE MATERIAL SHALL NOT BE STORED WITHIN THE DRIP LINE AREA OF ANY TREE.
2. THE CONTRACTOR SHALL CONTACT SUSSEX COUNTY ENGINEERING AT LEAST ONE (1) WEEK IN ADVANCE OF STARTING CONSTRUCTION.
3. THE CONTRACTOR SHALL CONTACT MISS UTILITY OF DELMARVA AT 1-800-282-8555 FOR UTILITY LOCATIONS WITHIN AND SURROUNDING CONSTRUCTION AREAS NOT LESS THAN 72 HOURS BEFORE PERFORMING ANY EXCAVATION.
4. THE CONTRACTOR SHALL USE ONLY NEW MATERIALS, PARTS, AND PRODUCTS. ALL MATERIALS SHALL BE STORED SO AS TO ASSURE THE PRESERVATION OF THEIR QUALITY AND FITNESS FOR THE INTENDED WORK. ALL MATERIAL MUST BE MANUFACTURED IN THE USA.
5. ALL CONSTRUCTION SHALL BE PERFORMED TO THE SATISFACTION OF THE ENGINEER, SUSSEX COUNTY, DELAWARE DEPARTMENT OF TRANSPORTATION (DELDOT), DNREC WPCC AND ALL RESPECTIVE UTILITY OWNER'S IN ACCORDANCE WITH ALL APPLICABLE CONTRACT DRAWINGS AND SPECIFICATIONS.
6. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, RULES, REGULATIONS AND ORDERS OF ANY PUBLIC BODY HAVING JURISDICTION. THE CONTRACTOR SHALL ERECT AND MAINTAIN, AS REQUIRED BY THE CONDITIONS AND PROGRESS OF THE WORK, ALL NECESSARY SAFEGUARDS FOR SAFETY AND PROTECTION IN ACCORDANCE WITH APPLICABLE OSHA REGULATIONS.
7. THE CONTRACTOR SHALL INSTALL THE PROPOSED SANITARY SEWER AND FORCE MAINS WITH A MINIMUM OF 3 FT. OF CLEARANCE FROM OTHER EXISTING AND PROPOSED UTILITIES. THE CONTRACTOR SHALL MAINTAIN A MINIMUM HORIZONTAL CLEARANCE OF 10 FT. AND MINIMUM VERTICAL CLEARANCE OF 18 INCHES BETWEEN WATER MAINS AND SANITARY SEWERS (BOTH EXISTING AND PROPOSED LINES).
8. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL MATERIALS FOR APPROVAL TO THE SUSSEX COUNTY ENGINEER PRIOR TO COMMENCEMENT OF CONSTRUCTION. ALL MATERIALS ORDERED AND INSTALLED PRIOR TO SUSSEX COUNTY'S REVIEW AND ACCEPTANCE WILL BE AT THE CONTRACTOR'S RISK.
9. THE CONTRACTOR SHALL OPEN ONLY THAT SECTION OF TRENCH OR ACCESS PITS WHICH CAN BE BACKFILLED AND STABILIZED AT THE END OF EACH WORKING DAY. STEEL PLATES SHALL BE USED ON ANY TRENCH OR ACCESS PITS WHICH MUST REMAIN OPEN OVERNIGHT. THIS REQUIREMENT DOES NOT APPLY TO AREAS COMPLETELY CLOSED AND SECURE FROM VEHICULAR OR PEDESTRIAN TRAFFIC. PAYMENT TO BE INCIDENTAL TO ITEM 801000, MAINTENANCE OF TRAFFIC.
10. CONTRACTOR SHALL AT ALL TIMES MAINTAIN A SAFE AND DRY EXCAVATION. AT A MINIMUM THAT INCLUDES SHEETING, SHEET PILES AND SHORING FOR TRENCHES IN ACCORDANCE W/ OSHA REGULATIONS AND SUFFICIENT DEWATERING FOR A DRY SUBGRADE. SEE DELDOT STANDARD SPEC. SECTION 902 REGARDING DEWATERING REQUIREMENTS. ALL COSTS SHALL BE INCIDENTAL TO THE ASSOCIATED WORK ITEMS.
11. PIPE PLUGS SHALL BE DESIGNED FOR PERMANENT INSTALLATION AND SHALL BE REMOVABLE. OBTAIN PLUGS FOR VARIOUS TYPES OF PIPE USED FROM THE RESPECTIVE PIPE MANUFACTURER.
12. ROUTINE PERIODIC INSPECTIONS DURING CONSTRUCTION WILL BE PROVIDED BY SUSSEX COUNTY. THESE INSPECTIONS DO NOT RELIEVE THE CONTRACTOR FROM HIS OBLIGATION AND RESPONSIBILITY FOR CONSTRUCTING A SANITARY SEWER SYSTEM IN STRICT ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF SUSSEX COUNTY.
13. AFTER TESTING IS COMPLETE AND ALL COMPONENTS OF THE SANITARY SEWER SYSTEM ARE DEEMED ACCEPTABLE TO SUSSEX COUNTY, THE CONTRACTOR SHALL SUBMIT THE AS-BUILT DRAWINGS TO SUSSEX COUNTY. LIFT STATIONS AND FORCE MAINS SHALL BE VERIFIED AND DIMENSIONED FROM STREET CENTERLINES OR LOTS LINES AS APPROPRIATE. FORCE MAIN DEPTHS AND LOCATION INCLUDING VALVES WILL BE PROVIDED AND TIED TO PERMANENT ABOVE GRADE FEATURES. DIMENSIONAL AND ELEVATIONS INFORMATION INDICATED ON THE APPROVED PLAN SHALL BE VERIFIED AND RECORDED AND SHALL BE CLEARLY INDICATED AS BEING AS-BUILT INFORMATION. ANY DISCREPANCIES NOTED DURING THE FINAL INSPECTION SHALL BE CORRECTED BY THE CONTRACTOR WITHIN 30 CALENDAR DAYS.
14. BASIS OF DESIGN – SPECIFIC MANUFACTURERS AND MODELS ARE LISTED IN THE DETAIL DRAWING SHEETS AND ARE INTENDED AS BASIS OF DESIGN. SEE TECHNICAL SPECIFICATIONS FOR ADDITIONAL PERFORMANCE REQUIREMENTS AND ALTERNATIVES. IN EVERY CASE THE RELATED MANUFACTURERS AND MODELS MUST BE ACCEPTABLE TO SUSSEX COUNTY AND COMPATIBLE WITH SUSSEX COUNTY STANDARDS AND CURRENT OPERATING PROCEDURES.
15. DIFFERING SITE CONDITIONS AND/OR DIFFERING MATERIAL PROPERTIES SHALL REQUIRE SUSSEX COUNTY APPROVAL OF SPECIAL DESIGN DETAILS PREPARED BY THE DESIGN ENGINEER PRIOR TO INITIATING OR RESUMING CONSTRUCTION ACTIVITIES.
16. THE CONTRACTOR SHALL ALLOW SUFFICIENT TIME FOLLOWING EXCAVATIONS FOR INSPECTION AND EVALUATION OF EXISTING SOIL SUBGRADE CONDITIONS BY THE CONSTRUCTION ENGINEER. THE CONSTRUCTION ENGINEER SHALL INSPECT ALL STRUCTURE AND THRUST BLOCKING SUBGRADE AND PIPELINE SUBGRADE FOLLOWING EXCAVATION AND PRIOR TO CONSTRUCTION OF NEW WORK TO CONFIRM DESIGN CONDITIONS ARE MET AND SUBGRADE CONDITIONS ARE SUITABLE FOR CONSTRUCTION. IN THE EVENT THE SOIL BEARING CAPACITY IS LESS THAN THE MINIMUM DESIGN VALUE, THE CONSTRUCTION ENGINEER SHALL CAUSE AFFECTED CONSTRUCTION TO CEASE AND SHALL NOTIFY THE DESIGN ENGINEER FOR RE-DESIGN TO ACCOMMODATE THE REDUCED SOIL BEARING CAPACITY.
17. THRUST BLOCK SHALL BE PROVIDED ALONG FORCE MAIN PIPING AT ALL DIRECTIONAL CHANGES, INCLUDING TIES, ELBOWS, WYES, CAPS, VALVES, HYDRANTS, REDUCERS OF THE PIPELINE AS DIRECTED BY THE SUSSEX COUNTY ENGINEER.
18. THE CONTRACTOR SHALL MAINTAIN ONE COMPLETE SET OF CONTRACT DRAWINGS ON WHICH HE SHALL NOTE, IN RED, THE ALIGNMENTS LOCATION AND INVERTS OF ALL UNDERGROUND UTILITIES THAT ARE INSTALLED OR ENCOUNTERED DURING THE EXECUTION OF THE WORK. ALL DISCREPANCIES BETWEEN THE PLAN LOCATIONS AND ELEVATIONS OF BOTH THE EXISTING AND PROPOSED UTILITIES SHALL BE SHOWN ON THE AS-BUILT DRAWINGS TO BE MAINTAINED BY THE CONTRACTOR IN THE FIELD. AT THE CONCLUSION OF WORK, ONE SET OF AS-BUILT DRAWINGS SHALL BE SUBMITTED TO SUSSEX COUNTY. COSTS TO PREPARE & SUBMIT ALL AS-BUILTS ARE INCIDENTAL TO THE ITEM BEING RECORDED ON THE AS-BUILT DRAWINGS.
19. FOR ALL OF THE WORK ITEMS RELATED TO THE SANITARY SEWER RELOCATIONS, THE HIERARCHY OF CONTRACT DOCUMENTS SHALL, IN THE EVENT OF A CONFLICT, BE:
    SUSSEX COUNTY STANDARD DETAILS TAKE PRECEDENCE OVER
    PLAN NOTES AND DETAILS WHICH TAKE PRECEDENCE OVER
    SPECIAL PROVISIONS WHICH TAKE PRECEDENCE OVER
    REFERENCED DELDOT STANDARD SPECIFICATIONS WHICH TAKE PRECEDENCE OVER
    TECHNICAL SPECIFICATIONS
    THE MOST RECENT SUSSEX COUNTY DETAILS SHALL BE USED FOR ALL SEWER CONSTRUCTION.
20. ALL ELEVATIONS REFER TO OUTSIDE TOP OF PIPE UNLESS OTHERWISE NOTED.
21. ALL PIPES AND FITTINGS SHALL BE RESTRAINED WITH "MEGALUGS" SERIES 1100, CERTA-LOK OR APPROVED EQUAL.
22. MECHANICAL JOINTS SHALL BE USED FOR ALL PIPE, FITTINGS, AND ACCESSORIES WITHIN CONNECTION LOCATIONS NO. 1, 2, 3, AND 4. CONTRACTOR TO SUBMIT PIPE LAYING SCHEDULE FOR ALL PIPE MAKING ADJUSTMENTS TO SELECTION AND/OR LENGTH OF SPECIAL FITTINGS AND ACCESSORIES TO FIT THE FIELD CONDITIONS DISCOVERED, WHILE MINIMIZING PIPE CUTTING AND LOCATING PIPE, FITTINGS AND ACCESSORIES AS CLOSE TO INTENDED LOCATIONS AS CONDITIONS ALLOW. RECOMMENDED ADJUSTMENTS ARE SUBJECT TO SUSSEX COUNTY ENGINEERING AND ENGINEER APPROVAL.
23. TW BOXES SHALL BE SPACED AT A MAXIMUM OF 1,500 LF IN ACCORDANCE WITH SUSSEX COUNTY STANDARDS. SEE TW LOCATIONS ON THE CONSTRUCTION PLAN VIEWS.
24. THE CONTRACTOR SHALL SUBMIT BYPASS DETAILS, INCLUDING BUT NOT LIMITED TO FITTINGS, VALVES, RESTRAINTS, BYPASS PIPING, TAPPING MECHANISMS TO SUSSEX COUNTY FOR APPROVAL PRIOR TO INSTALLATION.
25. PIPE CROSSING PROTECTION SHALL BE INSTALLED PER SUSSEX COUNTY STANDARD DETAILS FOR PROPOSED DRAINAGE PIPES INSTALLED OVER COUNTY SEWER PIPES WITH LESS THAN 12 INCHES OF SEPARATION. FOR PROPOSED DRAINAGE PIPES TO BE INSTALLED BENEATH COUNTY SEWER PIPES, THE CONTRACTOR SHALL SUBMIT PROPOSED BRACING AND SUPPORT MEASURES TO SUSSEX COUNTY FOR APPROVAL IN ADVANCE OF WORK BEING PERFORMED. THIS APPLIES TO CROSSINGS BENEATH BOTH GRAVITY AND PRESSURE SEWER PIPES.
26. ALL PVC PRESSURE PIPE SHALL BE UNPLASTICIZED POLYVINYL CHLORIDE NORMAL IMPACT TYPE IN CONFORMANCE WITH ASTM D-1784. ALL 4-INCH AND GREATER PVC PRESSURE PIPE SHALL BE A MINIMUM OF DR-18 AND CONFORM TO AWWA C-900/ C-905. ALL PIPES SHALL BE RATED FOR A WORKING PRESSURE OF AT LEAST 150 PSI PLUS A SURGE ALLOWANCE OF AT LEAST 35 PSI AND SHALL HAVE A MINIMUM HYDROSTATIC STRENGTH OF 600 PSI WHEN TESTED IN ACCORDANCE WITH AWWA C-900/ C-905.
27. ALL FITTINGS FOR PVC PRESSURE PIPE SHALL BE DUCTILE IRON MANUFACTURED IN ACCORDANCE WITH ANSI/AWWA C-151/ A21.51, LATEST EDITION AND SHALL BE THICKNESS CLASS 53 UNLESS OTHERWISE NOTED. WHERE CALLED FOR ON THE PLANS, PIPING SHALL HAVE RESTRAINED JOINTS. WHERE RESTRAINED JOINTS ARE NOT REQUIRED, JOINTS SHALL BE MECHANICAL OR PUSH-ON JOINTS AND SHALL BE IN CONFORMANCE WITH THE APPLICABLE REQUIREMENTS OF ANSI/AWWA C111/ A21.11, LATEST EDITION. JOINTS SHALL BE ASSEMBLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

SEWER RELOCATION PROJECT NOTES:

1. ALL EXCAVATION, BACKFILL BORROW TYPE C, BACKFILLING, AND STONE FOR BEDDING FOR ALL WORK ASSOCIATED WITH THE INSTALLATION OF THE SEWER FACILITIES, INCLUDING, BUT NOT LIMITED TO: PIPES; CASINGS; BUTTRESSES; THRUST BLOCKS; BORINGS; DEWATERING; RESTRAINTS; REMOVAL OF EXISTING FACILITIES; ETC. SHALL BE INCIDENTAL TO THE PAY ITEM FOR INSTALLING THE MATERIAL.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ALL DISTURBED AREAS TO THE SATISFACTION OF THE ENGINEER WITH ALL COSTS INCIDENTAL TO THE SEWER INSTALLATION PAY ITEMS EXCEPT TOPSOIL, TOPSOILING, MULCHING, AND/OR SEEDING WHICH WILL BE PAID UNDER THE APPLICABLE BID ITEMS.
3. PRIOR TO PERFORMING ANY WORK, THE CONTRACTOR SHALL STAKE OUT THE LIMITS OF CONSTRUCTION SHOWN ON THE PLANS. AT NO TIME SHALL THE CONTRACTOR DRIVE EQUIPMENT, PLACE MATERIAL, TRAVERSE WITH PERSONNEL OR OTHERWISE DISTURB THE AREA BEYOND THE LIMITS OF CONSTRUCTION SHOWN ON THE PLANS UNLESS APPROVED BY THE ENGINEER. COST FOR PROVIDING THE STAKEOUT IS INCIDENTAL TO ITEM 763501, CONSTRUCTION ENGINEERING.
4. FLOWABLE FILL REQUIRED TO COMPLETELY FILL ABANDONED PIPES IN PLACE WILL BE MEASURED AND PAID FOR UNDER ITEM 208000.
5. UNLESS SPECIFIED OTHERWISE, ALL COSTS ASSOCIATED WITH CONNECTING THE EXISTING SEWER PIPES TO THE NEW SEWER PIPES SHALL BE INCIDENTAL TO THE PAY ITEM FOR INSTALLING THE NEW SEWER PIPES, INCLUDING BYPASSES, REMOVAL OF THE EXISTING SEWER FACILITIES; PLUGS; PROVIDING TANKERS AND HAULING SEWAGE FROM UPSTREAM LOCATIONS AND ABANDONED PIPES; REMOVING OR ABANDONING THE REMAINING EXISTING PIPES; AND ALL OTHER ITEMS OF WORK NECESSARY TO COMPLETE THE PROJECT.
6. THE CONTRACTOR SHALL MINIMIZE THE DOWNTIME OF THE EXISTING FORCE MAIN.

INDEX OF SANITARY SEWER RELOCATION DRAWINGS

SHEET	NAME
SC-01	GENERAL NOTES
SC-02	TABULATION AND SUMMARY SHEET
SC-03	SHEET INDEX
SC-04	15" PLAN & PROFILE - STA. 713+50 TO STA. 721+50
SC-05	15" PLAN & PROFILE - STA. 721+50 TO STA. 726+50
SC-06	12" PLAN - STA. 749+50 TO STA. 756+00
SC-07	12" SEWER PROFILE - STA. 749+50 TO STA. 756+00
SC-08	12" PLAN & PROFILE - STA. 756+00 TO STA. 761+50
SC-09	12" PLAN & PROFILE - STA. 761+50 TO STA. 768+00
SC-10	12" PLAN & PROFILE - STA. 768+00 TO STA. 774+50
SC-11	12" PLAN & PROFILE - STA. 774+50 TO STA. 781+50
SC-12	12" PLAN & PROFILE - STA. 781+50 TO STA. 790+00
SC-13	SEQUENCE OF CONSTRUCTION
SC-14	DETAIL SHEET
SC-15	DETAIL SHEET

EXISTING UNDERGROUND UTILITIES COORDINATION NOTES:

1. THE LOCATION OF UNDERGROUND UTILITIES AS INDICATED ON PLANS HAS BEEN OBTAINED FROM INFORMATION SUPPLIED BY DELDOT. NEITHER SUSSEX COUNTY OR THE ARCHITECT/ENGINEER ASSUMES ANY RESPONSIBILITY WHATEVER IN RESPECT TO ACCURACY, COMPLETENESS, OR SUFFICIENCY OF THE INFORMATION SHOWN. THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED THAT THE LOCATIONS, SIZE AND TYPE OF MATERIALS OF EXISTING UNDERGROUND UTILITIES INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED DURING CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH UTILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY SUSSEX COUNTY OF HIS OPERATIONAL PLANS. IN THE EVENT OF AN UNEXPECTED UTILITY INTERFERENCE DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY SUSSEX COUNTY. ANY SUCH MAINS AND/OR SERVICES DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED IMMEDIATELY AT HIS EXPENSE.
2. PRIOR TO PERFORMING ANY EXCAVATION GREATER THAN 6 INCHES, THE CONTRACTOR SHALL COORDINATE WITH SUSSEX COUNTY ENGINEERING AND ALL PRIVATE UTILITY COMPANIES TO DETERMINE THE LOCATION OF UNDERGROUND UTILITY LINES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH ALL ORGANIZATIONS THAT CONTROL EXISTING UNDERGROUND UTILITIES IN THE CONSTRUCTION AREA OR WOULD BE AFFECTED BY CONSTRUCTION WORK AROUND THE EXISTING UTILITIES.
3. THE CONTRACTOR SHALL NOT START EXCAVATION UNTIL ALL UTILITY LINE LOCATIONS HAVE BEEN STAKED OR OTHERWISE CLEARLY MARKED AND DOCUMENTATION FURNISHED TO SUSSEX COUNTY. ALL MARKINGS SHALL BE CONSIDERED APPROXIMATE, AND UTILITIES OTHER THAN THOSE SHOWN SHALL BE CONSIDERED TO EXIST.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DEFINITE LOCATION OF EACH UTILITY WITHIN THE WORK AREA. CARE SHALL BE EXERCISED DURING EXCAVATION WORK TO AVOID DAMAGING OR DISRUPTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING (AT CONTRACTOR'S EXPENSE) DAMAGE TO ANY UTILITY CAUSED BY THE CONTRACTOR'S WORK.
5. WHERE EXISTING UNDERGROUND UTILITIES OR OTHER CONSTRUCTION ARE EXPECTED TO BE IN PROXIMITY TO PROPOSED CONSTRUCTION, OR WHEN APPROACHING EXISTING UTILITIES OR STRUCTURES FOR CONNECTIONS, THE CONTRACTOR SHALL DIG TEST PITS TO DETERMINE THE EXACT LOCATION AND INVERTS OF THE EXISTING UTILITY TO ALLOW FOR POSSIBLE CHANGES TO THE PROPOSED UTILITY IN LINE AND/OR GRADE. THE CONTRACTOR SHALL ALSO DIG TEST PITS IN THE LOCATION OF THE PROPOSED CONNECTIONS TO EXISTING UTILITIES AND SHALL MAKE ALL MEASUREMENTS NECESSARY TO ENSURE PROPER CONNECTION. ANY NECESSARY CHANGES IN LINE OR GRADE OF WORK CAUSED BY FAILURE TO TAKE SUCH PRECAUTIONS SHALL BE AT THE EXPENSE OF THE CONTRACTOR.
6. WHEN IT IS NECESSARY TO EXCAVATE NEAR OR INTERFERE WITH ANY SEWER LINE, WATER SERVICES, DRAIN PIPE, CATCH BASIN, CULVERT, SIGNS, POLES, OR OTHER STRUCTURES, THE CONTRACTOR SHALL MAINTAIN THE SAME IN WORKING ORDER AND SHALL REPAIR AND MAKE GOOD ANY DAMAGE DONE DURING THE PROGRESS OF THE WORK AT THE EXPENSE OF THE CONTRACTOR.
7. WHERE EXISTING UTILITIES CROSS THE TRENCH EXCAVATION, THEY SHALL BE ADEQUATELY SUPPORTED AND PROTECTED FROM DAMAGE DUE TO CONSTRUCTION. ALL METHODS FOR SUPPORTING AND MAINTAINING THESE UTILITIES SHALL BE SUBJECT TO REVIEW BY THE UTILITY AND SUSSEX COUNTY. CARE SHALL BE TAKEN TO ENSURE THAT THE EXISTING UTILITY GRADES AND ALIGNMENT ARE MAINTAINED AND THE PIPE JOINTS AND COATINGS ARE NOT DISTURBED. BACKFILL SHALL BE CAREFULLY PLACED AND TAMPED TO PREVENT DAMAGE OR FUTURE SETTLEMENT. ANY DAMAGE OR MISALIGNMENT OF THE UTILITIES DUE TO CONSTRUCTION OR SETTLEMENT SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
8. ANY UNPROTECTED CABLE (DIRECT BURIED) ENCOUNTERED THAT IS VERIFIED AS NOT ABANDONED IN PLACE SHALL BE PROTECTED. THE UTILITY AND SUSSEX COUNTY MAY DIRECT THE CABLE BE PLACED IN SPLIT DUCT OF APPROPRIATE SIZE AND CONCRETE ENCASED THROUGH THE AREA OF CONSTRUCTION. CONTRACTOR SHALL TAKE ALL REASONABLE MEASURES TO AVOID HAVING TO CUT AND SPLICE DIRECT BURIED CABLE. THE CONTRACTOR SHALL NOTE SPLIT DUCT PORTIONS ON AS-BUILTS. ALL COSTS ARE INCIDENTAL TO THE ITEM BEING PLACED THAT NECESSITATED THE UTILITY PROTECTION.
9. ALL SUITABLE EXCESS EXCAVATED MATERIALS SHALL BE USED AS EMBANKMENT FILL ELSEWHERE ON THE PROJECT, EXCEPT FOR CONTAMINATED SOILS OR LIQUIDS. CONTAMINATED MATERIAL SHALL BE HANDLED IN ACCORDANCE WITH SPECIAL PROVISION ITEM 202560.
10. INTERRUPTION OF EXISTING UTILITIES SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND/OR AT THE DIRECTION OF THE UTILITY OWNER'S.
11. THE CONTRACTOR SHALL BE REQUIRED TO COORDINATE THEIR ACTIVITIES WITH ALL OTHER UTILITY RELOCATIONS.

RECOMMENDED BY:

SUSSEX COUNTY ENGINEERING — DATE: 04/30/2024

PREPARED BY
CENTURY ENGINEERING
CONSULTING ENGINEERS, SURVEYORS

RECOMMENDED — DATE: 4/30/2024

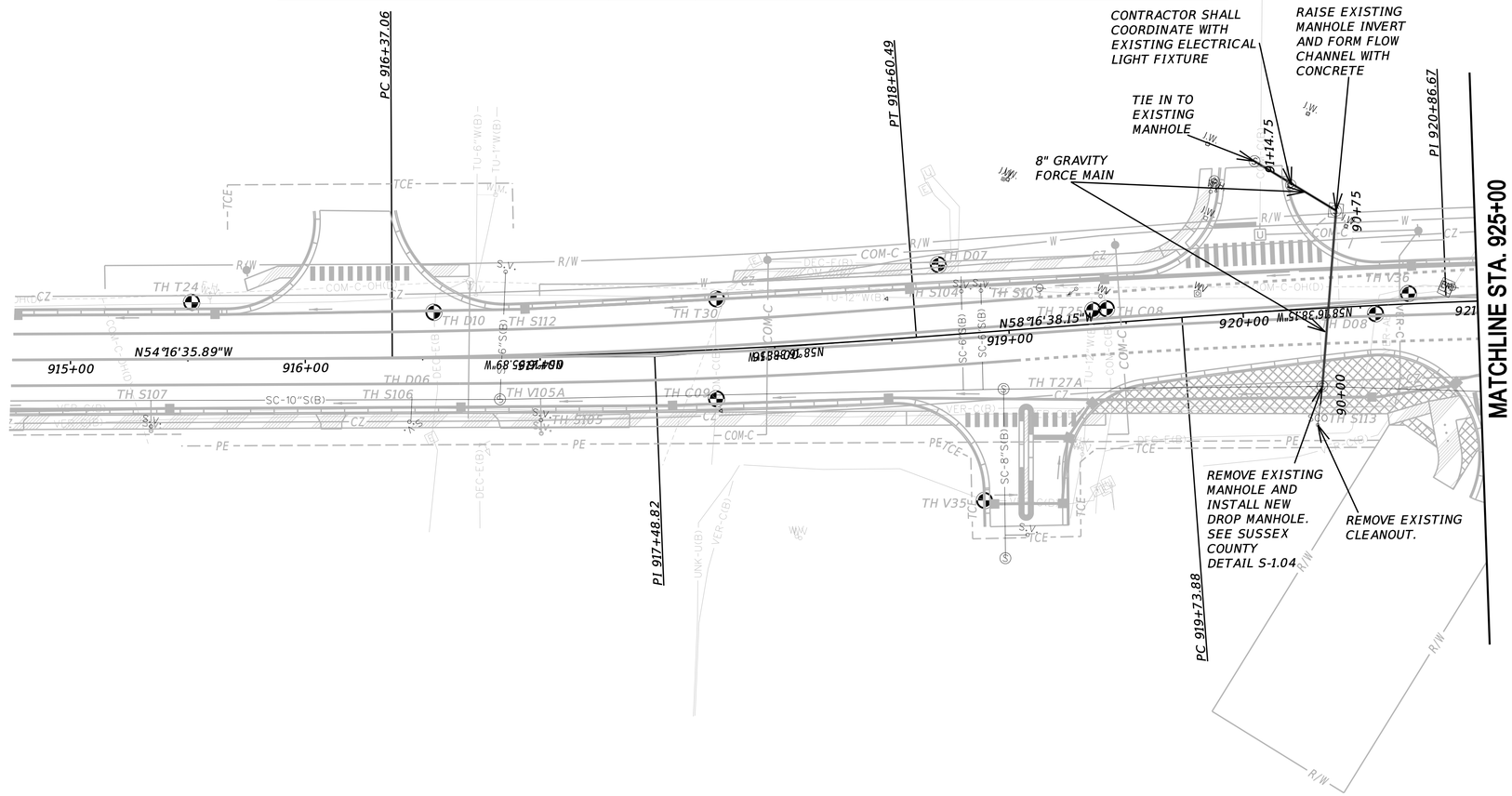
ALAN K. MARTENEY — LICENSE — NO. 7535 — DELAWARE — PROFESSIONAL ENGINEER

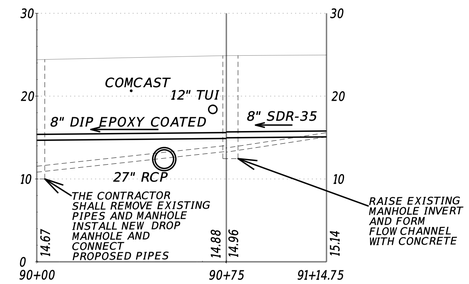
SEAL

STATES STREETS STILES

ADDENDA / REVISIONS		NOT TO SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. N/A	SUSSEX COUNTY SEWER RELOCATION	SC-01
				COUNTY SUSSEX	DESIGNED BY: KMC		SECTION CEI
					CHECKED BY: AKM		SHEET NO. 322

SECTION DESIGNATION	ITEM NUMBER	PIPE SIZE AND TYPE	LENGTH	CASING	INVERT EL IN	INVERT EL OUT	REQUIRED BENDS/FITTINGS/VALVES
SAN FM-1 STATION 100+00 TO STATION 104+62.19 (NASSAU ROAD)	711002	C 900 DR-18 15" PVC	463 LF	N/A	16.90' +/-	17.18 +/-	1 EA, 15", 45 DEGREE BEND 1 EA, MANHOLE ADJUSTMENT 2 EA, MANHOLE REMOVAL 1 EA, 18" X 15" REDUCER 1 EA, AIR RELEASE VALVE MANHOLE 1 EA, 18" X 18" BEND 1 EA, TONING WIRE BOX 2 EA, CONNECTIONS
SAN FM-2 STATION 300+00 TO STATION 336+64.26 (SR1)	711002 *710379	C 900 DR-18 12" PVC C900 DR-18 10" PVC C 900 DR-18 6" PVC	2458 LF 1207 LF 49 LF	*20" STEEL @ 60 FT *20" STEEL @ 126 FT	14.62'+/-	10.00' +/-	1 EA, 12", 90 DEGREE BEND 4 EA, 12", 45 DEGREE BEND 2 EA, 10", 11.25 DEGREE BEND 1 EA, 6" 45 DEGREE BEND 1 EA, 6" GATE VALVE 1 EA, AIR RELEASE VALVE 1 EA, 12" X 12" X 6" WYE 2 EA, 12" GATE VALVE 1 EA, 10" X 12" REDUCER 1 EA, 10" X 10" X 10" WYE 1 EA, ISOLATION VALVE 1 EA, END CAP 4 EA, TONING WIRE BOX 3 EA, CONNECTIONS
*SEWER LATERAL STATION 1507+29.52 LT (NEW ROAD) * SEE SHEET UT-21 FOR SEWER LATERAL LOCATION & LIMITS	711002	C 900 DR-18 8" PVC	30 LF	N/A	TIE IN TO EXISTING MANHOLE	16.50' +/-	1 EA, 8" SEWER CLEANOUT
GRAVITY STATION 920+32.63 TO STATION 920+40.88 (NASSAU ROAD) STATION 920+05.62 TO STATION 920+40.99 (NASSAU ROAD)	711002	8" DIP 6" PVC	75 LF 40 LF	N/A	TIE IN TO EXISTING MANHOLE 14.96' +/-	14.88' +/- TIE IN TO EXISTING MANHOLE	1 EA, MANHOLE TRANSITION 1 EA, MANHOLE





RECOMMENDED BY:

SUSSEX COUNTY ENGINEERING — 12/05/2024 DATE

PREPARED BY

CENTURY ENGINEERING
CONSULTING ENGINEERS, SURVEYORS
4134 N. DUPONT HWY.
DAGSBORO, DELAWARE 19939

RECOMMENDED — 12/05/2024 DATE

ALAN K. MARTENY — LICENSE NO. 7535 — DELAWARE PROFESSIONAL ENGINEER

SEAL

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$FILE$

ADDENDA / REVISIONS

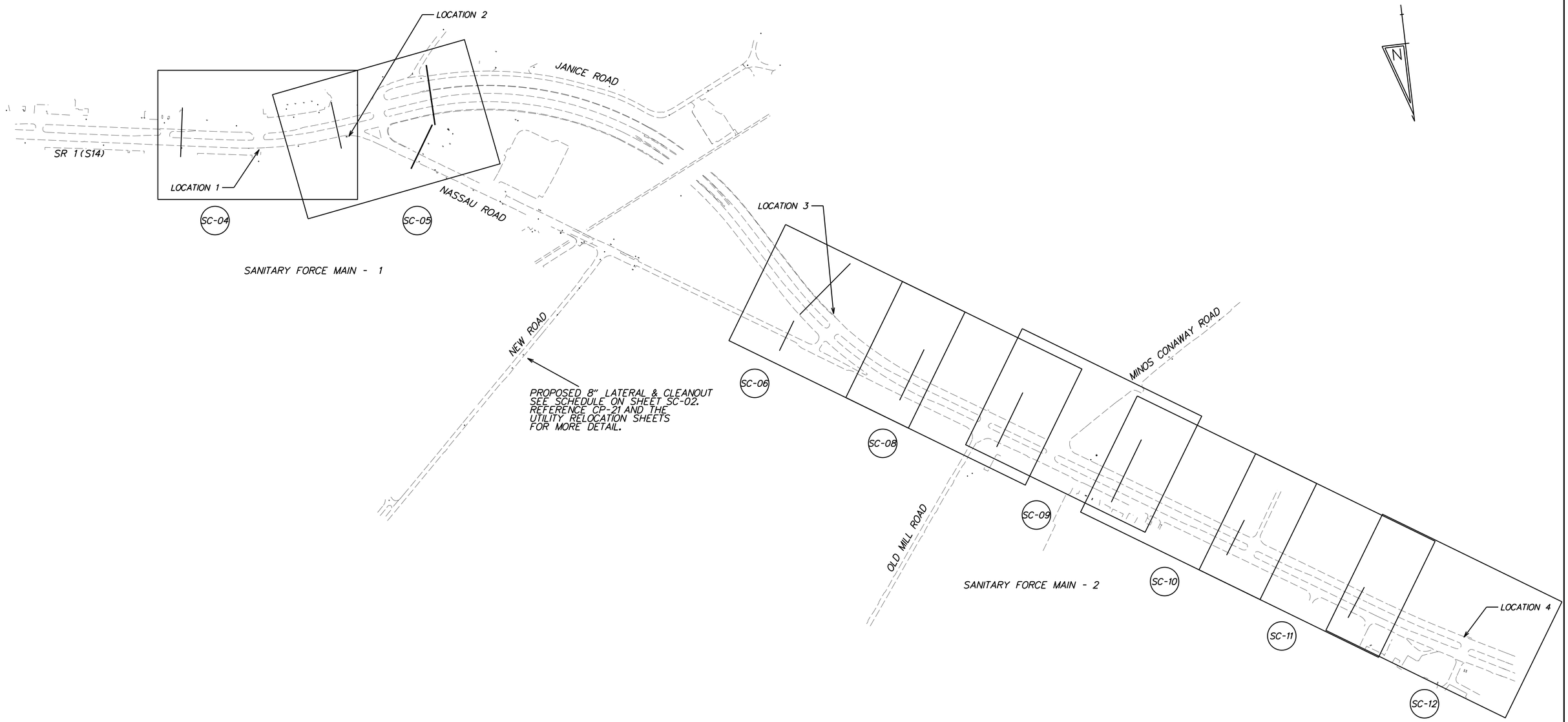
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FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	N/A
T201612501	DESIGNED BY:	KMC
COUNTY	CHECKED BY:	AKM
SUSSEX		

SUSSEX COUNTY SEWER RELOCATION PLANS

SC-02
SECTION
CEI
SHEET NO.
323



RECOMMENDED BY:

SUSSEX COUNTY ENGINEERING — 04/30/2024 DATE

PREPARED BY

CENTURY ENGINEERING
CONSULTING ENGINEERS, SURVEYORS

RECOMMENDED — 4/30/2024 DATE

ALAN K. MARTENET LICENSE NO. 7535 DELAWARE PROFESSIONAL ENGINEER

SEAL

LEGEND

SUSSEX COUNTY SEWER RELOCATION PLAN — SC-XX

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$TIME$
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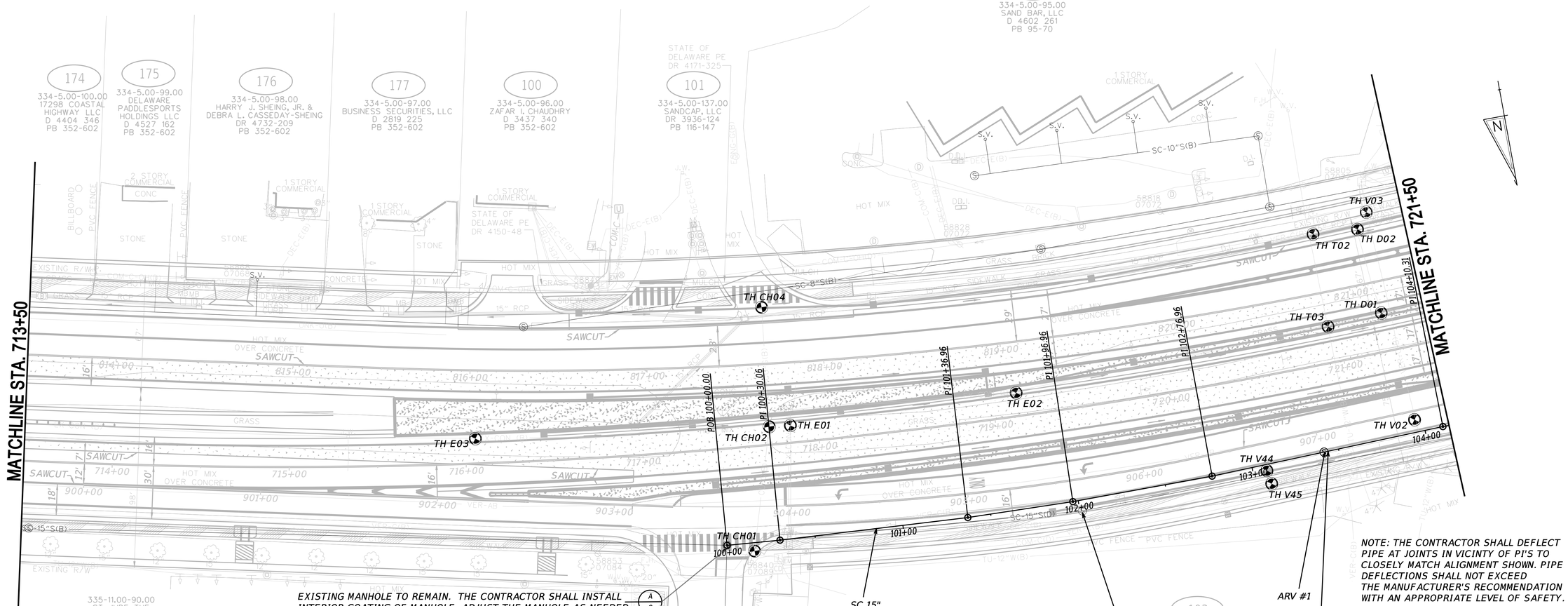
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FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	T201612501
COUNTY	SUSSEX
BRIDGE NO.	N/A
DESIGNED BY:	KMC
CHECKED BY:	AKM

INDEX SHEET

SC-03	
SECTION	CEI
SHEET NO.	324



RECOMMENDED BY:

SUSSEX COUNTY ENGINEERING — DATE: 04/30/2024

PREPARED BY

CENTURY ENGINEERING
CONSULTING ENGINEERS, SURVEYORS

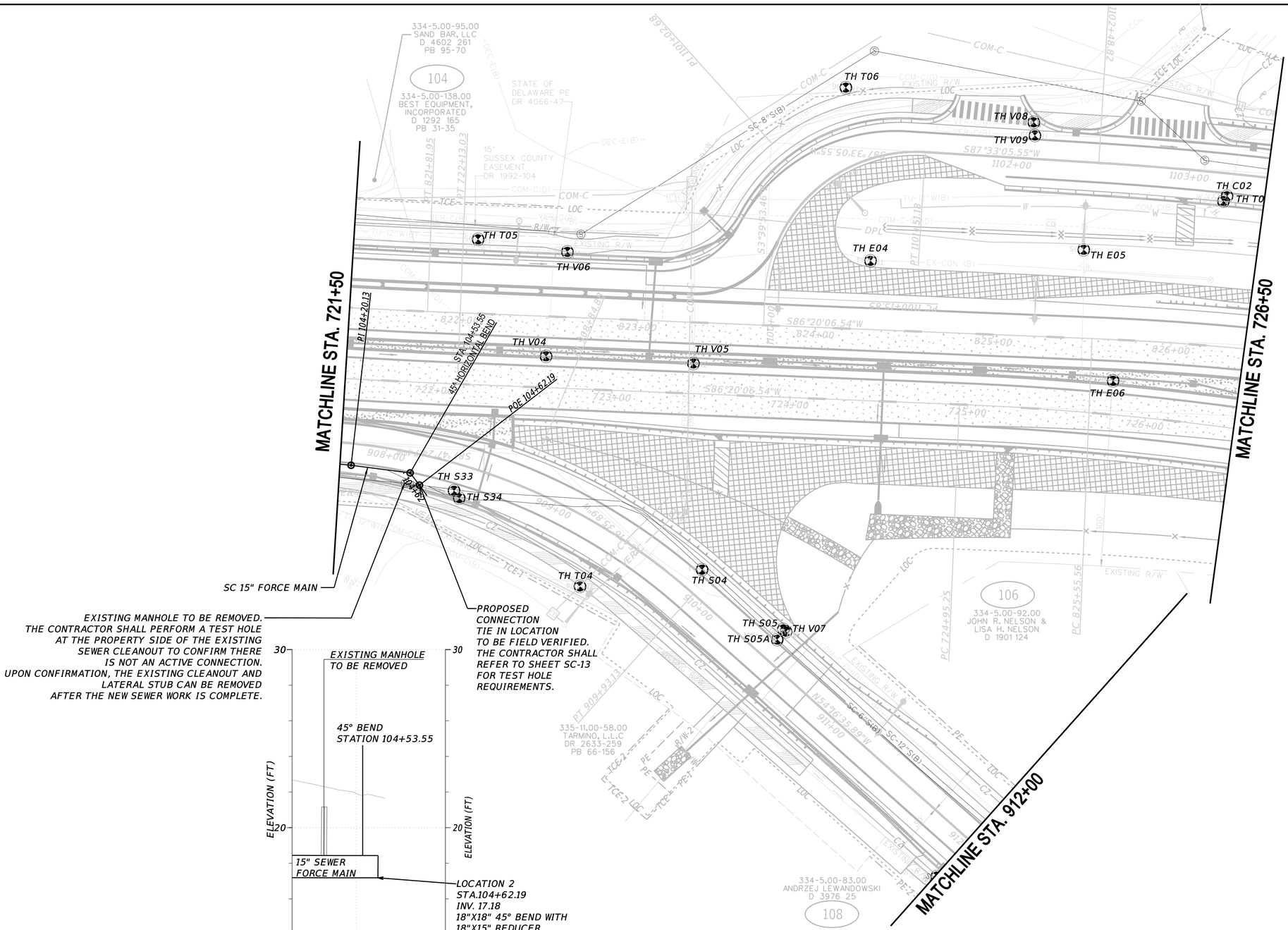
RECOMMENDED — DATE: 4/30/2024

ALAN K. MARTENET LICENSE NO. 7535 DELAWARE PROFESSIONAL ENGINEER

SEAL

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ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. N/A	SUSSEX COUNTY SEWER RELOCATION PLANS	SC-04
				COUNTY SUSSEX	DESIGNED BY: KMC		SECTION CEI
					CHECKED BY: AKM		SHEET NO. 325



RECOMMENDED BY:

SUSSEX COUNTY ENGINEERING — DATE: 04/30/2024

PREPARED BY

CENTURY ENGINEERING
CONSULTING ENGINEERS SURVEYORS

RECOMMENDED — DATE: 4/30/2024

ALAN K. MARTENET LICENSE NO. 7535 DELAWARE PROFESSIONAL ENGINEER

SEAL

DIAL 8-1-1 OR 1-800-282-8555 STATE'S STAKES SELECT

ADDENDA / REVISIONS							

CONTRACT	BRIDGE NO.	N/A
T201612501	DESIGNED BY:	KMC
COUNTY	CHECKED BY:	AKM
SUSSEX		

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

SUSSEX COUNTY SEWER RELOCATION PLANS

SC-05
SECTION: CEI
SHEET NO.: 326

RECOMMENDED BY:

SUSSEX COUNTY ENGINEERING — 04/30/2024 DATE

PREPARED BY

CENTURY ENGINEERING
CONSULTING ENGINEERS, SURVEYORS

RECOMMENDED — 4/30/2024 DATE

ALAN K. MARTENIS LICENSE NO. 7535 DELAWARE PROFESSIONAL ENGINEER — SEAL

NOTE: THE CONTRACTOR SHALL DEFLECT AT THE PI'S TO achieve ALIGNMENT. DEFLECTIONS MAY NOT EXCEED THE MANUFACTURER'S RECOMMENDATION.

PROPOSED CONNECTION TIE IN LOCATION TO BE FIELD VERIFIED. THE CONTRACTOR SHALL REFER TO SEQUENCE OF CONSTRUCTION ON SHEET SC-13 FOR TEST HOLE REQUIREMENTS AND TIE IN METHOD.

SC 12" FORCE MAIN

MATCHLINE STA. 749+50

MATCHLINE STA. 933+00

MATCHLINE STA. 756+00

POB 300+00.00

TONING WIRE PI 300+20.00 45° HORIZONTAL BEND

PI STA 300+60.00 45° HORIZONTAL BEND

PI STA 300+80.00

PI STA 300+97.13

PI STA 301+37.13

PI STA 301+97.09

PI STA 302+48.90

PI STA 303+69.32

PI STA 304+45.37

PI STA 304+89.03

PT 856+30.93

TH S30

TH T14

TH S26

TH S11

TH T33

TH T17

TH S12

TH T16

TH V46

TH V47

SC S

SEE SC-07 FOR SEWER PROFILE

SEE SC-07 FOR SEWER PROFILE

334-5.00-72.00 HALSEY G. KNAPP JOAN D. KNAPP LESLIE GAY KNAPP, TRUSTEE D 3405 67 DR 3405-61 PB 110-149 — 125

334-5.00-70.02 STATE OF DELAWARE DEPARTMENT OF TRANSPORTATION D 3656 80 PB 127-87 — 119

334-5.00-72.03 G K & G KNAPP FAMILY LIMITED PARTNERSHIP D 4502 314 PB 73-192 — 126

ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. N/A	SUSSEX COUNTY SEWER RELOCATION PLANS	SC-06
				COUNTY SUSSEX	DESIGNED BY: KMC		SECTION CEI
					CHECKED BY: AKM		SHEET NO. 327

$DATE$ $TIME$ $FILE$

RECOMMENDED BY:

J. Mark Parker — 04/30/2024

SUSSEX COUNTY PUBLIC WORKS — DATE

PREPARED BY

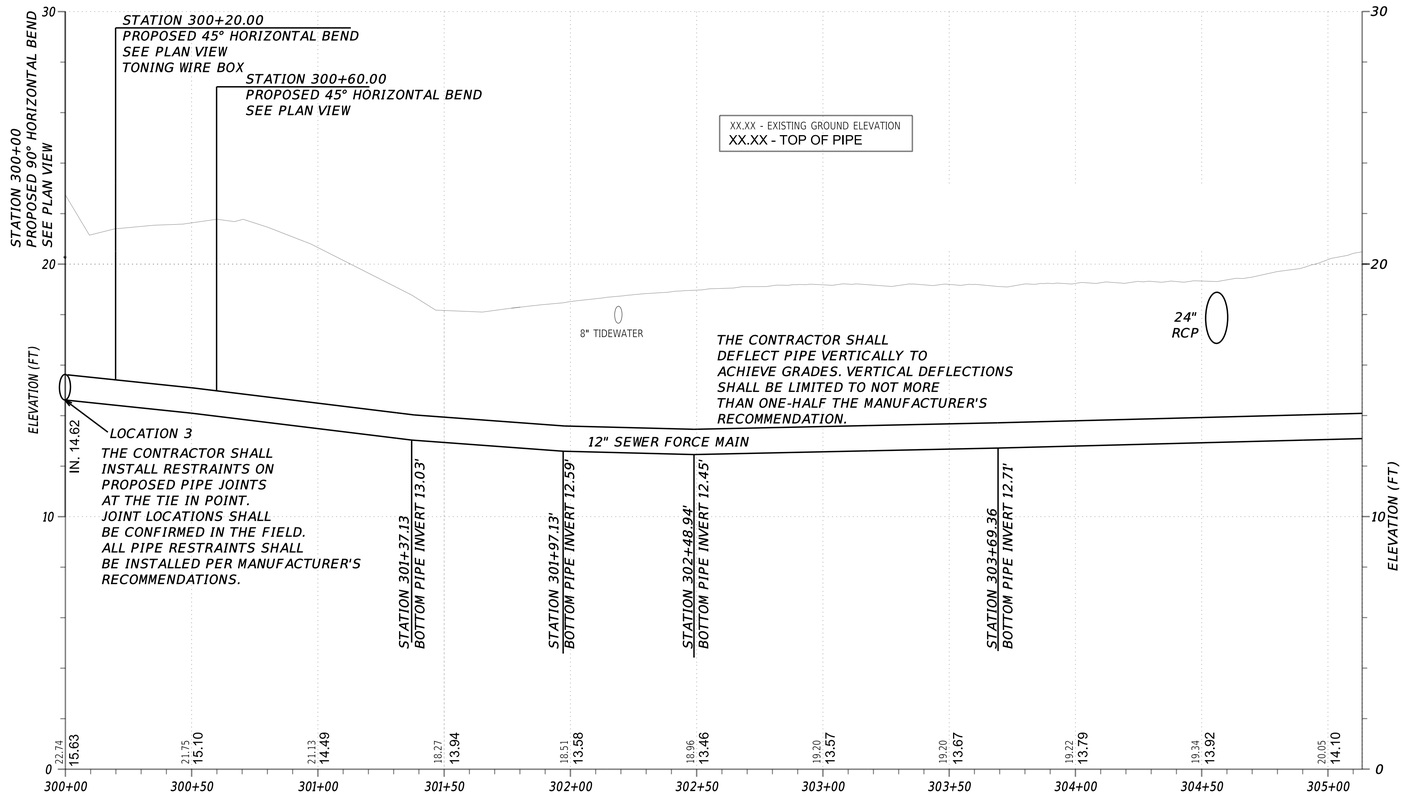
CENTURY ENGINEERING
CONSULTING ENGINEERS, SURVEYORS

Alan K. Martinez — 4/30/2024

RECOMMENDED — DATE

ALAN K. MARTINEZ LICENSE NO. 7535 DELAWARE PROFESSIONAL ENGINEER

SEAL



12" FORCE MAIN

$DATE$
$TIME$
$FILE$

ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. N/A	SUSSEX COUNTY SEWER RELOCATION PLANS	SC-07
				COUNTY SUSSEX	DESIGNED BY: KMC		SECTION CEI
					CHECKED BY: AKM		SHEET NO. 328

RECOMMENDED BY:

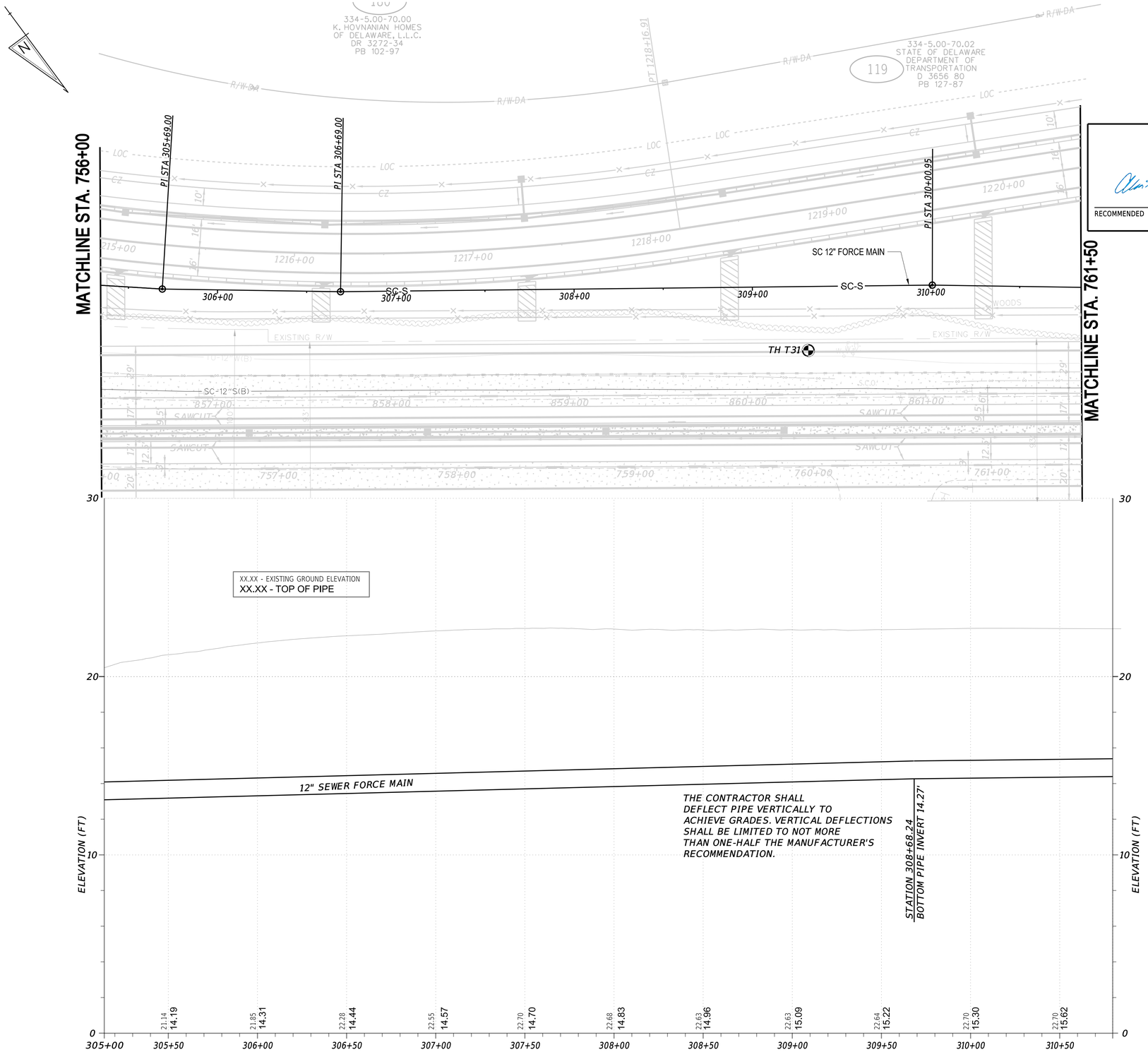
SUSSEX COUNTY ENGINEERING — 04/30/2024 DATE

PREPARED BY

CENTURY ENGINEERING
CONSULTING ENGINEERS, SURVEYORS

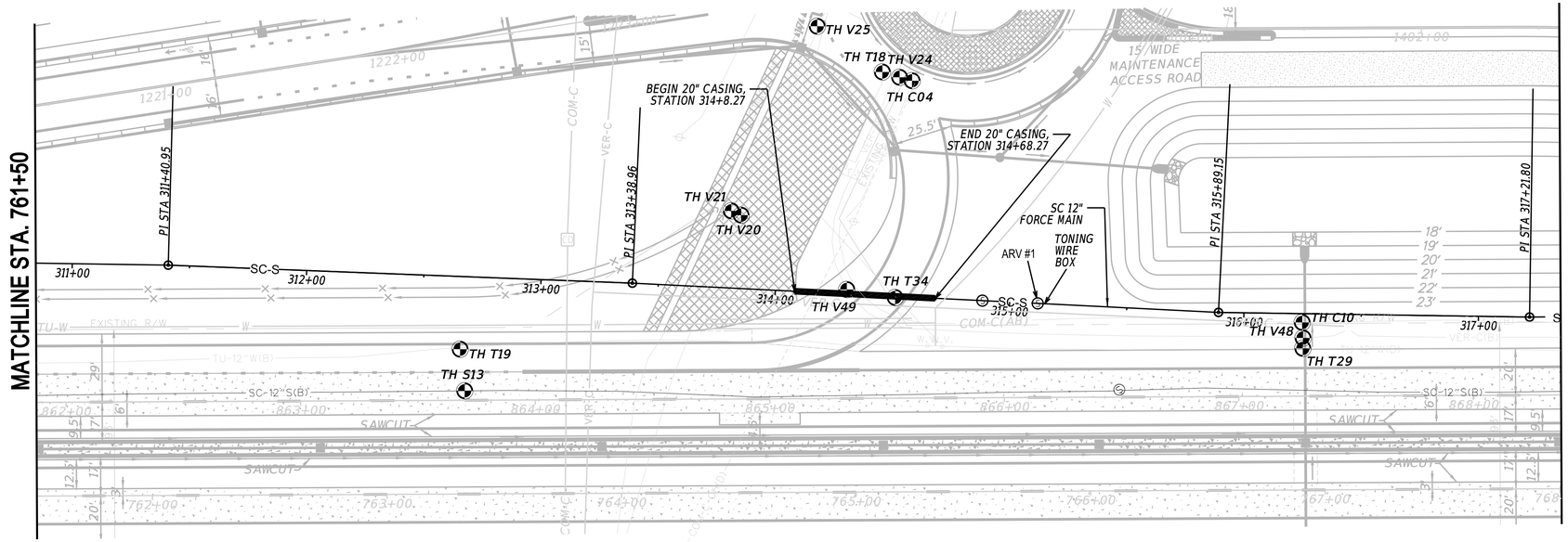
RECOMMENDED — 4/30/2024 DATE

ALAN K. MARTENET — LICENSE NO. 7535 — DELAWARE PROFESSIONAL ENGINEER — SEAL



$DATE$
$TIME$
$FILE$

ADDENDA / REVISIONS	SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. N/A	SUSSEX COUNTY SEWER RELOCATION PLANS	SC-08
			COUNTY SUSSEX	DESIGNED BY: KMC		SECTION CEI
				CHECKED BY: AKM		SHEET NO. 329





RECOMMENDED BY:

J. Mark Parker — SUSSEX COUNTY ENGINEERING — 04/30/2024 DATE

PREPARED BY

CENTURY ENGINEERING
CONSULTING ENGINEERS SURVEYORS

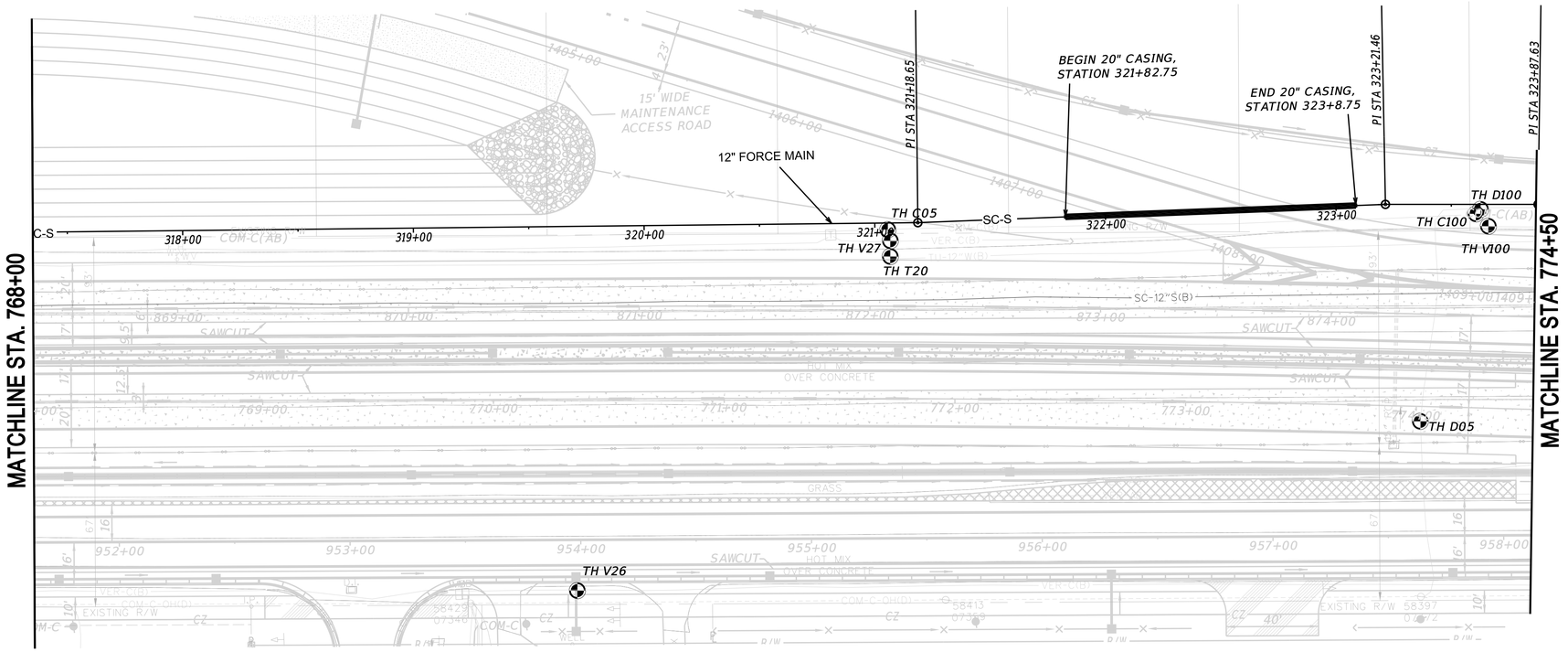
Alan K. Martinez — 4/30/2024 DATE
RECOMMENDED

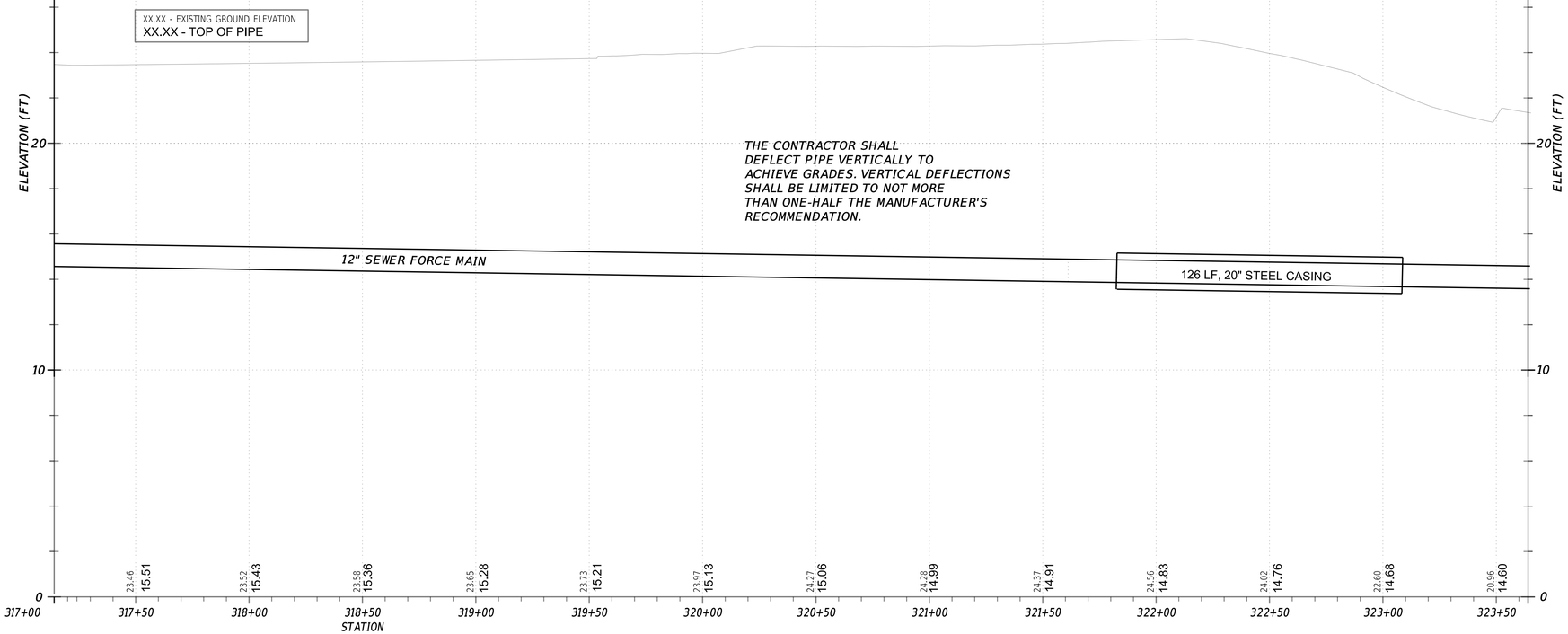
ALAN K. MARTINEZ LICENSE NO. 7535 DELAWARE PROFESSIONAL ENGINEER
SEAL

N

ADDENDA / REVISIONS	SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. N/A	SUSSEX COUNTY SEWER RELOCATION PLANS	SC-09
	0 30 60 90 FEET		COUNTY SUSSEX	DESIGNED BY: KMC		SECTION CEI
				CHECKED BY: AKM		SHEET NO. 330

$DATE$
$CHECK$
$STEVE$





RECOMMENDED BY:

SUSSEX COUNTY ENGINEERING — 04/30/2024 DATE

PREPARED BY

CENTURY ENGINEERING, INC. CONSULTING ENGINEERS, SURVEYORS

RECOMMENDED — 4/30/2024 DATE

ALAN K. MARTENET LICENSE NO. 7535 DELAWARE PROFESSIONAL ENGINEER — SEAL

$DATE$
$TIME$
$USER$

ADDENDA / REVISIONS

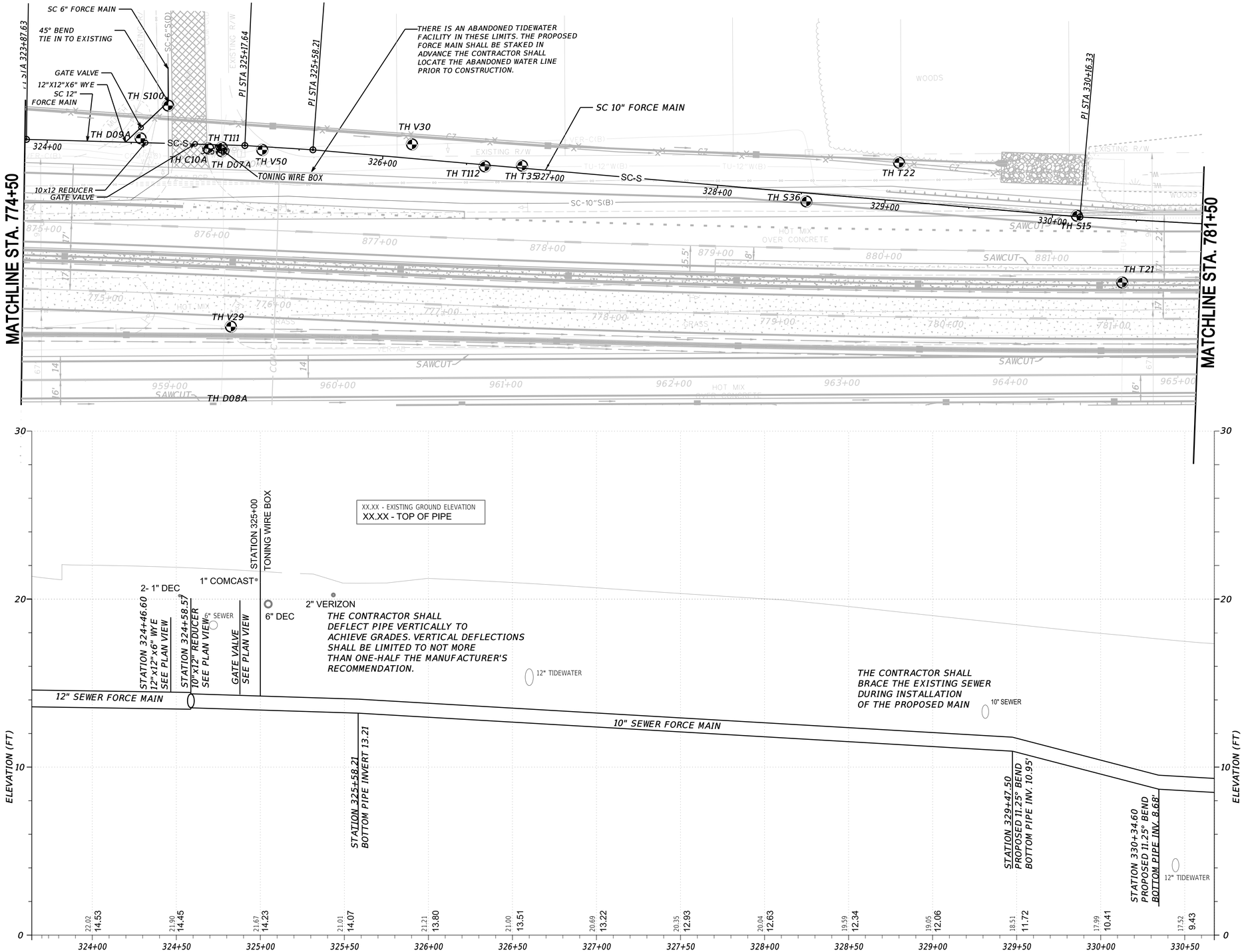
SCALE 0 30 60 90 FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	N/A
T201612501	DESIGNED BY:	KMC
COUNTY	CHECKED BY:	AKM
SUSSEX		

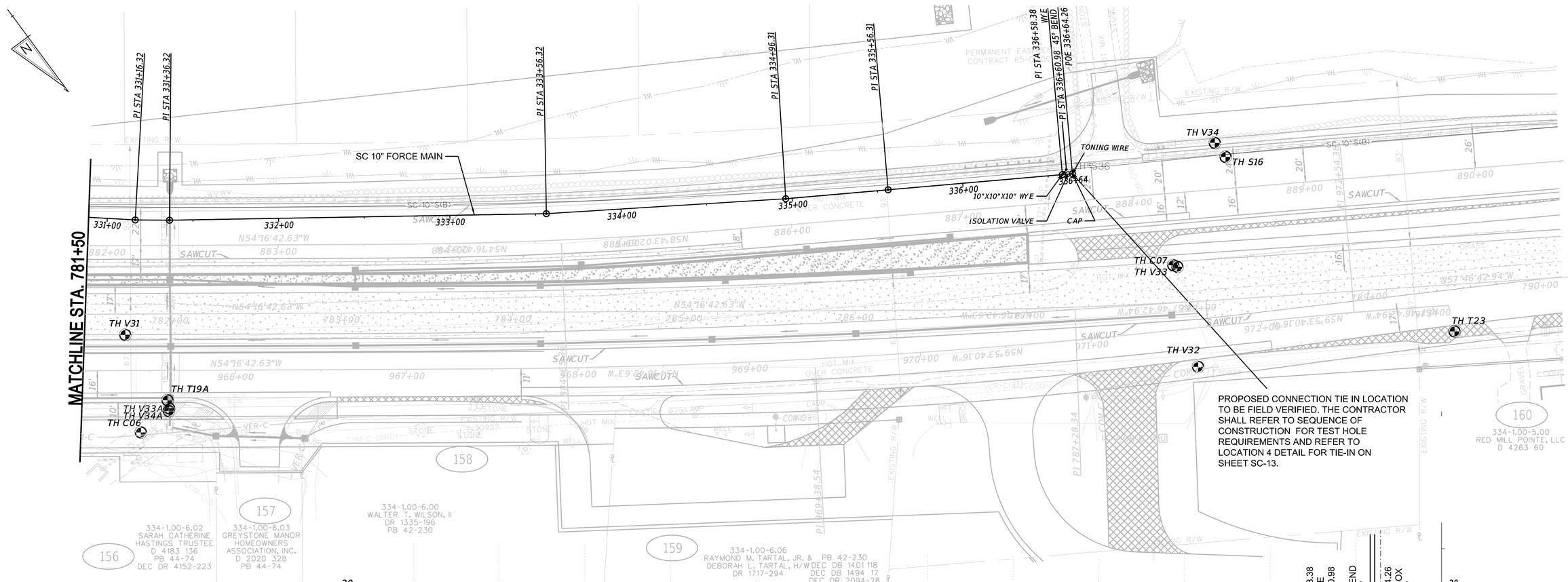
SUSSEX COUNTY SEWER RELOCATION PLANS

SC-10
SECTION
CEI
SHEET NO.
331



ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. N/A	SUSSEX COUNTY SEWER RELOCATION PLANS	SC-11 SECTION
				COUNTY SUSSEX	DESIGNED BY: KMC		CEI
					CHECKED BY: AKM		SHEET NO. 332

$DATE$
$TIME$
$FILE$



RECOMMENDED BY:

J. Mark Parker — SUSSEX COUNTY ENGINEERING — 04/30/2024 DATE

PREPARED BY

CENTURY ENGINEERING — CONSULTING ENGINEERS, SURVEYORS

Alan K. Martens — 4/30/2024

RECOMMENDED — DATE

ALAN K. MARTENS LICENSE NO. 7535 STATE OF DELAWARE PROFESSIONAL ENGINEER — SEAL

$DATE$
$TIME$
$STYLES$

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	N/A
T201612501	DESIGNED BY:	KMC
COUNTY	CHECKED BY:	AKM
SUSSEX		

SUSSEX COUNTY SEWER RELOCATION PLANS

SC-12
SECTION: CEI
SHEET NO.: 333

SEQUENCE OF CONSTRUCTION

GENERAL NOTES AND CONTRACTOR REQUIREMENTS FOR COORDINATION

1. THE CONTRACTOR SHALL NOTIFY SUSSEX COUNTY ENGINEERING ONE (1) WEEK IN ADVANCE BEFORE STARTING ANY FORCE MAIN RELOCATION RELATED WORK.

2. THE CONTRACTOR SHALL COORDINATE WITH SUSSEX COUNTY ENGINEERING TO MINIMIZE ANY DOWNTIME OF THE FORCE MAIN TO BE RELOCATED ACCORDING TO THE PLANS. SIMULTANEOUS WORK MUST ALSO OCCUR ON BOTH SEWER RELOCATION SITES TO MINIMIZE THE DOWNTIME OF THE FORCE MAIN RELOCATION WORK. THE CONTRACTOR IS RESPONSIBLE FOR COMPLETION OF WORK IN A TIME NOT TO EXCEED FOURTEEN (14) CALENDAR DAYS FROM THE START OF WORK.

3. THE CONTRACTOR SHALL PROVIDE SUSSEX COUNTY ENGINEERING WITH A MINIMUM OF 48 HOURS NOTICE OF ANY SERVICE INTERRUPTIONS. A MINIMUM OF FOURTEEN CALENDAR DAYS OF OPERATION IS REQUIRED BETWEEN ANY SERVICE INTERRUPTIONS.

4. THE CONTRACTOR SHALL COORDINATE WITH SUSSEX COUNTY TO SCHEDULE A TIME DURING THE LOWEST FLOW PERIODS TO DEPRESSURIZE THE FLOW IN THE EXISTING FORCE MAIN AT UPSTREAM PUMP STATIONS 228 OR 237. THE CONTRACTOR SHALL BE RESPONSIBLE FOR STAGING TANKER TRUCKS, EQUIPMENT AND PERSONNEL AS NECESSARY FOR THE PURPOSES OF HAULING EXCESS FLOW FROM THE PUMP STATIONS TO THE SUSSEX COUNTY WASTEWATER TREATMENT PLANT. THE CONTRACTOR SHALL DEMONSTRATE TO THE COUNTY THAT THEY HAVE SUFFICIENT HAULING CAPACITY ON-SITE PRIOR TO THE EXISTING WORK. THE CONTRACTOR SHALL MAINTAIN THE TANKER TRUCKS AND TRANSPORT TO THE TREATMENT PLANT ARE INCIDENTAL TO ITEM 711002.

THE INFORMATION FOR THE PUMP STATIONS ARE AS FOLLOWS:

12" FORCE MAIN
PS 237 = 168,000 GPD
PS 228 = 33,000 GPD

6" FORCE MAIN
PS 241 = 10,500 GPD

TOTAL = 211,500 GPD

TEST HOLE EXCAVATIONS FOR ALIGNMENT/DEPTH VERIFICATION AND MEASUREMENTS/TEMPLATES FOR PIPE CONNECTIONS.

1. UPON RECEIVING SUSSEX COUNTY ENGINEERING APPROVAL, PERFORM TEST HOLE EXCAVATION AT EACH CONNECTION LOCATION, TO VERIFY FORCE MAIN ALIGNMENT, VERTICAL PROFILE, AND LOCATION OF EXISTING PIPE JOINTS. EXCAVATION SHALL BE PERFORMED BY HAND, WITHIN THE TOP 3 FEET OF PIPE, AS TO NOT TO DAMAGE THE EXISTING FORCE MAIN PIPES.

2. EXCAVATIONS SHALL BE MADE TO UNCOVER AND EXPOSE THE EXISTING FORCE MAIN AT TIE-IN LOCATIONS FOR AT LEAST 3 PIPE JOINTS TO DETERMINE PIPE CONDITIONS AND LOCATION OF THE PIPE JOINTS TO DETERMINE THE EXACT LOCATION AND ELEVATION FOR THE CONNECTIONS. THE CONTRACTOR SHALL USE THIS INFORMATION TO DEVELOP A PIPE LAYING SCHEDULE AND SUBMIT FOR APPROVAL. EXPOSED PORTION OF FORCE MAIN WITHOUT AT LEAST 3.5 FEET OF BACKFILL SHALL BE KEPT TO A MINIMUM LENGTH OF 10 FEET DURING THIS OPERATION.

LOCATION 1 TO LOCATION 2, TULIP DRIVE TO NASSAU ROAD

STAGE 1

A. 15" FORCE MAIN INSTALLATION AND TESTING (TIE IN LOCATIONS 1 AND 2)

1. INSTALL TEMPORARY SINGLE LINE STOP ON EXISTING 18" PIPE UPSTREAM OF LOCATION 2. BYPASS FLOW SHALL BE DISCHARGED INTO THE EXISTING MANHOLE AT STATION 104+40 RT. PLUG EXISTING 18" PIPE DISCHARGE INTO MANHOLE.

2. ESTABLISH BYPASS FROM MANHOLE AT STATION 102+02 RT TO MANHOLE AT STATION 100+00 AND REMOVE THE SECTION OF EXISTING 15" SANITARY SEWER.

3. REMOVE EXISTING 15" GRAVITY LINE BETWEEN EXISTING MANHOLE AT STATION 102+10 RT AND TULIP DRIVE.

4. INSTALL THE 15" MAIN INCLUDING ALL FIXTURES AND BUTTRESSES TO THE LIMITS SHOWN ON THE DRAWINGS, BUT DO NOT MAKE THE CONNECTIONS TO THE SEWER SYSTEM.

5. PERFORM A PRESSURE TEST PER THE SUSSEX COUNTY SPECIFICATIONS UNLESS OTHERWISE DIRECTED BY THE ENGINEER AND OBTAIN SUSSEX COUNTY ENGINEERING APPROVAL OF PIPE INSTALLATION. CAPS FOR PRESSURE TESTING SHALL BE SUPPORTED.

6. CORRECT WORK AS NECESSARY TO RECEIVE SUSSEX COUNTY ENGINEERING APPROVAL.

7. MAKE CONNECTION BETWEEN NEW AND EXISTING SEWERS AT THE TIE IN LOCATION 1 AT THE EXISTING MANHOLE.

8. MAKE CONNECTION BETWEEN NEW AND EXISTING 18" PIPE AT LOCATION 2.

9. REMOVE LINE STOP BYPASS AND END BYPASS PUMPING.

10. REMOVE REMAINING EXISTING 15" SEWER PIPES AND EXISTING MANHOLES.

B. AFTER RECEIVING SUSSEX COUNTY ENGINEERING APPROVAL OF THE CONNECTIONS, FLOW WILL BE INTRODUCED INTO THE COMPLETED SEWER LINES BY THE SUSSEX COUNTY ENGINEERING. THE FINAL CONNECTION LOCATIONS SHALL REMAIN EXPOSED TO CHECK FOR LEAKS.

C. CORRECT WORK AS NECESSARY TO OBTAIN SUSSEX COUNTY ENGINEERING APPROVAL.

LOCATION 3 TO LOCATION 4- SR1 SB, RAMP A STATION 851+25 TO 879+60 LEFT

STAGE 1

A. 12" FORCE MAIN INSTALLATION AND TESTING (TIE IN LOCATIONS 3 AND 4)

1. TEMPORARILY VERTICALLY DEFLECT EXISTING 6" FM AT DEVON ROAD IF NEEDED DUE TO CONFLICT WITH PROPOSED 10" FORCE MAIN PIPE.

2. INSTALL ENTIRE NEW FORCE MAIN SYSTEM, INCLUDING WYES, GATE VALVES, ARV MH'S AND TONING WIRE BOXES WHERE INDICATED ON THE PLANS.

3. POSITION STANDBY TANKER TRUCKS AND PUMPING AT EX. 10" FM OPENINGS TO REMOVE PIPE LIQUID VOLUME FROM EACH SEGMENT OF OPEN PIPE TO ACCOMMODATE PROP. 10" FM CONNECTION TO THE EXISTING 10" FORCE MAIN.

4. INSTALL TEMPORARY DOUBLE LINE STOPS AT BYPASSES AT TIE IN LOCATIONS 3 & 4. LOCATION 3 SHALL BE A CORNER CUTOFF BYPASS LINE TO ACCOMMODATE THE TIE IN LINE.

5. PERFORM A PRESSURE TEST PER THE SUSSEX COUNTY SPECIFICATIONS UNLESS OTHERWISE DIRECTED BY THE ENGINEER AND OBTAIN SUSSEX COUNTY ENGINEERING APPROVAL OF PIPE INSTALLATION. CAPS FOR PRESSURE TESTING SHALL BE SUPPORTED.

6. CORRECT WORK AS NECESSARY TO RECEIVE SUSSEX COUNTY ENGINEERING APPROVAL.

7. DURING OFF PEAK HOURS AT PUMP STATION 241, COMPLETE THE TIE IN CONNECTIONS SIMULTANEOUSLY TO THE 10" FORCE MAIN AT LOCATIONS 3, 4 AND THE 6" AT DEVON ROAD.

8. REMOVE LINE STOPS AT LOCATIONS 3 AND 4 AND END BYPASS PUMPING.

9. REMOVE EXISTING FACILITIES OF THE ABANDONED PORTIONS OF THE SEWER LINE BETWEEN TIE-IN LOCATIONS 3 AND 4, INCLUDING CASINGS AND BUTTRESSES TO THE NEAREST JOINT A MINIMUM OF 20 FEET BEYOND THE BOTTOM OF THE PROPOSED ROADSIDE DITCH. FILL THE REMAINING ABANDONED SEWER LINE WITH FLOWABLE FILL. ANY SEWER LINE MATERIALS REMOVED THAT ARE DEEMED SALVAGEABLE BY SUSSEX COUNTY ENGINEERING SHALL BE DELIVERED TO SUSSEX COUNTY REPRESENTATIVES. ALL SEWER LINE MATERIALS DEEMED NOT SALVAGEABLE BY THE SUSSEX COUNTY ENGINEERING SHALL BE LEGALLY DISPOSED OF BY THE CONTRACTOR OFFSITE.

B. AFTER RECEIVING SUSSEX COUNTY ENGINEERING APPROVAL OF THE CONNECTIONS, FLOW WILL BE INTRODUCED INTO THE COMPLETED SEWER LINES BY THE SUSSEX COUNTY ENGINEERING. THE FINAL CONNECTION LOCATIONS SHALL REMAIN EXPOSED TO CHECK FOR LEAKS.

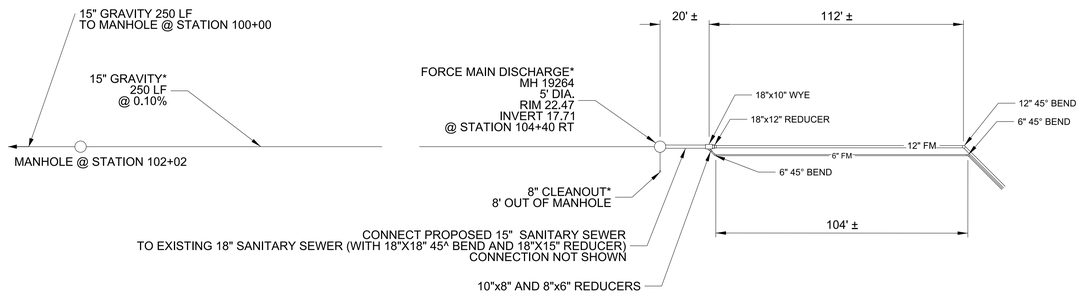
C. CORRECT WORK AS NECESSARY TO OBTAIN SUSSEX COUNTY ENGINEERING APPROVAL

NOTES:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEWATERING REQUIREMENTS PER DELDOT SPECIFICATION SECTION 902- PUMPING OR DEWATERING OPERATIONS.

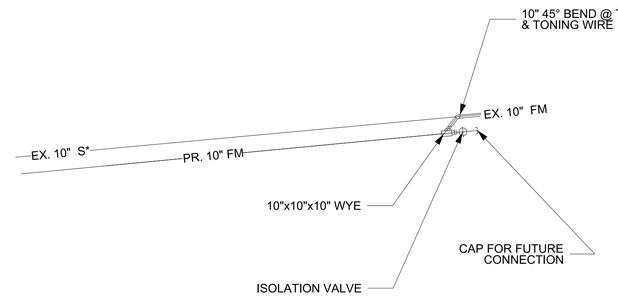
THE CONTRACTOR SHALL COMPLETE THE PROPOSED SANITARY SEWER WORK DURING PHASES 2 & 6 OF THE ROAD CONSTRUCTION TO COORDINATE WITH THE PROPOSED MAINTENANCE OF TRAFFIC. ANY CHANGES SHALL BE APPROVED BY THE ENGINEER.

* — REMOVE BY CONTRACTOR



LOCATION 1 TO LOCATION 2
EXISTING SEWER SYSTEM SCHEMATIC

NOT TO SCALE



LOCATION 4
EXISTING SEWER SYSTEM SCHEMATIC

NOT TO SCALE

RECOMMENDED BY:

J. Mark Parker — SUSSEX COUNTY ENGINEERING — 04/30/2024 DATE

PREPARED BY

CENTURY ENGINEERING
CONSULTING ENGINEERS SURVEYORS

Alan K. Mahaney — RECOMMENDED — 4/30/2024 DATE

ALAN K. MAHANEY — LICENSE NO. 7535 — DELAWARE PROFESSIONAL ENGINEER — SEAL

ADDENDA / REVISIONS		NOT TO SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. N/A	SUSSEX COUNTY SEWER RELOCATION PLANS	SC-13 SECTION
				COUNTY SUSSEX	DESIGNED BY: KMC		CEI SHEET NO.
					CHECKED BY: AKM		334

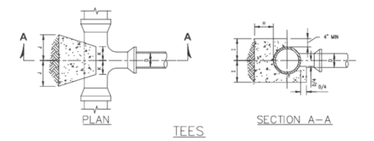
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BUTTRESS DIMENSIONS									
CONFIGURATION		PIPE DIAMETER (D) IN INCHES (I.D.)							
		1.5	2	3	4	6	8	10	14
90°	A	12	12	15	24	24	30	49	69
	B	3	3	4	6	6	9	13	18
	C	12	18	18	22	22	21	24	24
45°	A	6	8	11	15	15	20	37	51
	B	2	4	6	7	7	8	19	26
	C	9	12	12	8	8	9	22	22
22.5°	A	4	6	8	9	9	12	26	37
	B	1	3	4	7	7	8	13	19
	C	6	9	9	8	8	9	12	12
11.25°	A	3	4	6	6	6	8	19	26
	B	1	2	3	7	7	8	10	13
	C	6	9	9	7	7	7	10.5	10.5
PLUG	E	6	9	9	6	6	8	10.5	10.5
	F	7	9	13	12	12	16	42	58
	G	4	5	7	15	17	23	21	29
TEE	H	12	18	18	8	8	9	21	21
	I	4	5	7	8	8	10	21	29
	J	2	3	4	7	7	9	11	15
	K	2	2	4	6	6	8	12	14

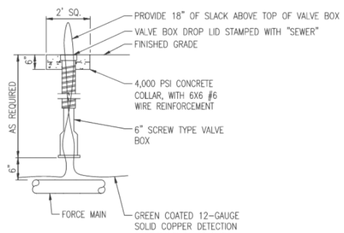
SEE DETAIL S-4.03 FOR CONFIGURATIONS.

NOTES:
1. ALL CONCRETE TO HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4,000 PSI.
2. BUTTRESS DIMENSIONS GIVEN ARE MINIMUM DIMENSIONS BASED UPON 3000 PSF MINIMUM SOIL BEARING CAPACITY AND 150 PSI MAXIMUM INTERNAL PIPE PRESSURE. PARAMETERS OUTSIDE OF THESE TOLERANCES WILL REQUIRE A SPECIAL BUTTRESS DESIGN APPROVED BY THE COUNTY.
3. ALL CONCRETE SHALL BE POURED AGAINST UNDISTURBED EARTH.
4. TEE DIMENSIONS IN TABLE SHALL BE USED FOR WYES.

SUSSEX COUNTY ENGINEERING DEPARTMENT
APPROVED: SUSSEX COUNTY ENGINEER
CONCRETE BUTTRESS DIMENSIONS
DETAIL S-4.04
DATE ISSUED: 12/30/2021



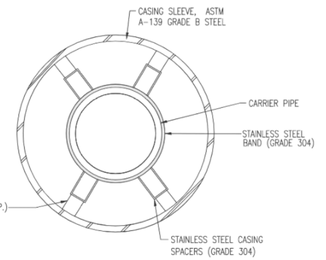
SUSSEX COUNTY ENGINEERING DEPARTMENT
APPROVED: SUSSEX COUNTY ENGINEER
CONCRETE BUTTRESS CONFIGURATIONS
DETAIL S-4.03
DATE ISSUED: 12/30/2021



NOTES:
1. IF TONING WIRE BOX IS LOCATED WITHIN PAVEMENT, CONCRETE COLLAR IS NOT REQUIRED. SEE ALSO NOTE 2 ON DETAIL S-1.01 REGARDING LOCATION WITHIN DELDOT ROADWAY.
2. LID MUST BE ADA COMPLIANT IF LOCATED WITHIN A PEDESTRIAN WALKWAY.

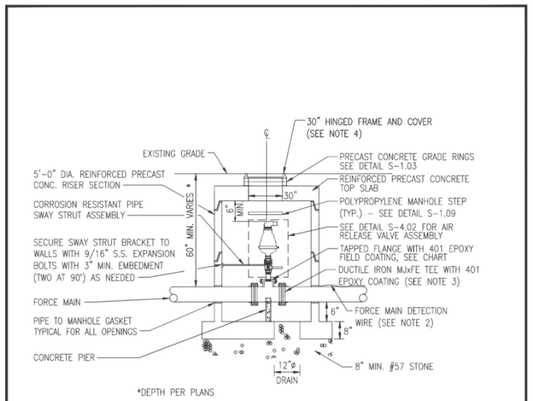
SUSSEX COUNTY ENGINEERING DEPARTMENT
APPROVED: SUSSEX COUNTY ENGINEER
SEWER FORCE MAIN TONING WIRE BOX
DETAIL S-4.07
DATE ISSUED: 12/30/2021

CARRIER PIPE (IN.)	MINIMUM O.D. CASING PIPE (IN.)
4	10
6	12
8	16
10	18
12	20
14	24
15	26
16	30
18	32
20	34
21	36
24	36
30	42



NOTES:
1. DETAIL APPLIES TO BOTH JACK AND BORE AND OPEN CUT INSTALLATIONS.
2. END SEAL SHALL BE INSTALLED ON EACH END OF CASING PIPE.
3. CASING SPACERS SHALL BE INSTALLED 1' (MAX.) FROM EACH SIDE OF ANY CARRIER PIPE JOINT, AND A MINIMUM OF 6' ON CENTER ALONG THE CARRIER PIPE IN BETWEEN JOINTS.
4. PREFERRED CONFIGURATION IS WITH CARRIER PIPE CENTERED WITHIN CASING PIPE. OFF-CENTERED CONFIGURATION MAY BE UTILIZED DEPENDING ON SITE CONDITIONS AS APPROVED BY THE COUNTY.
5. SEE TABLE ABOVE FOR MINIMUM CASING PIPE SIZE. IF RESTRAINED JOINTS ARE USED, CASING PIPE DIAMETER SHALL BE MODIFIED AS REQUIRED TO ACCOMMODATE THE PIPE RESTRAINTS.

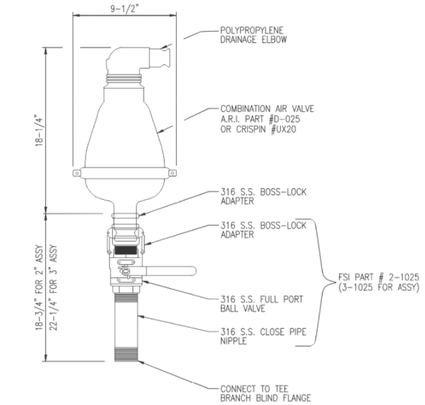
SUSSEX COUNTY ENGINEERING DEPARTMENT
APPROVED: SUSSEX COUNTY ENGINEER
CASING SLEEVE INSTALLATION
DETAIL S-3.03
DATE ISSUED: 12/30/2021



NOTES:
1. CONCRETE COLLAR NOT SHOWN FOR CLARITY. FOR CONCRETE COLLAR REQUIREMENTS, REFER TO DETAIL S-1.01.
2. ROUTE DETECTION WIRE OUTSIDE OF ARV AND PROVIDE TONING WIRE VALVE BOX ADJACENT TO ARV STRUCTURE. SEE DETAIL S-4.07.
3. DUCTILE IRON FLANGE TEE WILL BE FORCE MAIN SIZE x 4" TEE.
4. HINGED FRAME AND COVER SHALL BE PER EAST JORDAN IRON WORKS PRODUCT NO. 00148064L01, OR APPROVED EQUAL.

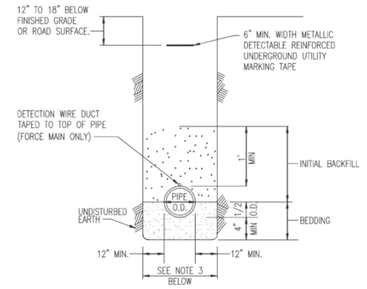
FORCE MAIN DIA.	ARV	TAP FLANGE
≤ 16"	2"	4"x2"
> 16"	3"	4"x3"

SUSSEX COUNTY ENGINEERING DEPARTMENT
APPROVED: SUSSEX COUNTY ENGINEER
SEWER FORCE MAIN AIR RELEASE VALVE
DETAIL S-4.01
DATE ISSUED: 05/31/2022



NOTE:
IF AIR RELEASE MANHOLE IS A TIGHT FIT, THE CRISPIN ARV CAN BE USED PER COUNTY APPROVAL.

SUSSEX COUNTY ENGINEERING DEPARTMENT
APPROVED: SUSSEX COUNTY ENGINEER
AIR RELEASE VALVE ASSEMBLY
DETAIL S-4.02
DATE ISSUED: 12/30/2021



NOTES:
1. THIS DETAIL APPLIES TO BOTH GRAVITY AND FORCE MAIN SEWER INSTALLATIONS.
2. #57 STONE IS REQUIRED FOR BEDDING MATERIAL AND INITIAL BACKFILL TO 12" ABOVE THE PIPE CROWN FOR ALL SEWER INSTALLATIONS 12' DEEP AND GREATER. FOR INSTALLATIONS LESS THAN 12' DEEP, INITIAL BACKFILL MATERIAL REQUIREMENTS MAY BE MODIFIED BASED ON FIELD CONDITIONS, AS APPROVED BY THE COUNTY. ABOVE INITIAL BACKFILL, MATERIAL MEETING THE REQUIREMENTS OF TYPE F BORROW PER DELDOT'S SPECIFICATIONS SHALL BE USED.
3. FOR INSTALLATION WITHIN LIMITS OF DELDOT ROADWAY AND/OR RIGHT-OF-WAY, TRENCH CONFIGURATIONS AND BACKFILL MATERIAL SHALL BE IN ACCORDANCE WITH CURRENT DELDOT REQUIREMENTS.

SUSSEX COUNTY ENGINEERING DEPARTMENT
APPROVED: SUSSEX COUNTY ENGINEER
SEWER TRENCH
DETAIL S-3.01
DATE ISSUED: 12/30/2021

RECOMMENDED BY:

SUSSEX COUNTY ENGINEERING — 04/30/2024 DATE

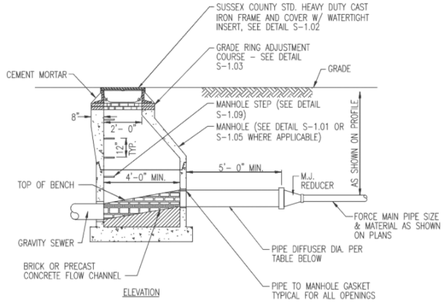
PREPARED BY
CENTURY ENGINEERING
CONSULTING ENGINEERS, SURVEYORS

RECOMMENDED — 4/30/2024 DATE

ALAN K. MARTENEY LICENSED NO. 7535 DELAWARE PROFESSIONAL ENGINEER — SEAL

ADDENDA / REVISIONS		NOT TO SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. N/A	SUSSEX COUNTY SEWER RELOCATION	SC-14
				COUNTY SUSSEX	DESIGNED BY: KMC		SECTION CEI
					CHECKED BY: AKM		SHEET NO. 335

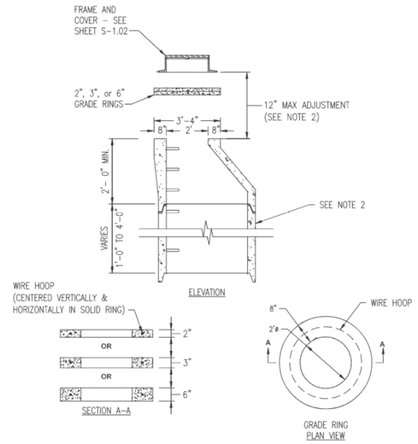
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NOTES:
1. COAT INTERIOR SURFACES OF MANHOLE WITH AMINE CURED EPOXY, TWO (2) COATS 16.0 TO 24.0 MIL TOTAL.
2. SEE DETAIL S-1.01 FOR ADDITIONAL MANHOLE DETAILS

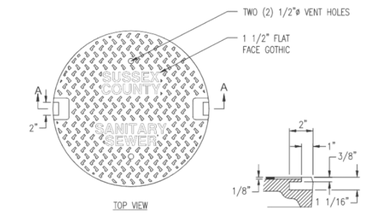
FORCE MAIN PIPE DIA. (IN.)	DIFFUSER PIPE DIA. (IN.)
2	4
4	6
6	10
8	12
10	14
12	18
14	20

SUSSEX COUNTY ENGINEERING DEPARTMENT
APPROVED: SUSSEX COUNTY ENGINEER
FORCE MAIN DISCHARGE MANHOLE
DETAIL S-1.07
DATE ISSUED: 12/30/2021



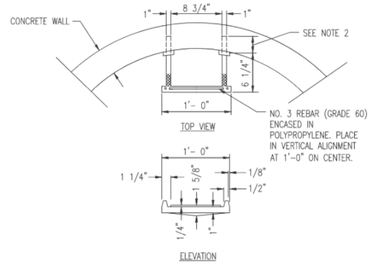
NOTES:
1. PRECAST MANHOLE SHALL MEET THE REQUIREMENTS OF ASTM C-478 WITH MINIMUM 4,000 PSI CONCRETE STRENGTH AND TYPE I/II PORTLAND CEMENT.
2. IF ADJUSTMENT HEIGHT EXCEEDS 12", A ONE (1) FOOT RISER INSTALLED BELOW CONE SECTION WILL BE REQUIRED. A MAXIMUM OF THREE (3) GRADE RINGS WILL BE ALLOWED.
3. ALTERNATE MATERIAL GRADE RINGS MAY BE USED FOR MANHOLES LOCATED OUTSIDE OF ROADWAY LIMITS, SUBJECT TO COUNTY APPROVAL.
4. BRICK ADJUSTMENT COURSES PERMITTED, SUBJECT TO DIMENSION REQUIREMENTS NOTED ABOVE.
5. CONCRETE RING SHALL HAVE A DESIGN STRENGTH OF 5000 PSI IN 28 DAYS – DESIGN SHALL MEET REQUIREMENTS OF ASTM C-478

SUSSEX COUNTY ENGINEERING DEPARTMENT
APPROVED: SUSSEX COUNTY ENGINEER
MANHOLE FRAME AND COVER ADJUSTMENT
DETAIL S-1.03
DATE ISSUED: 12/30/2021



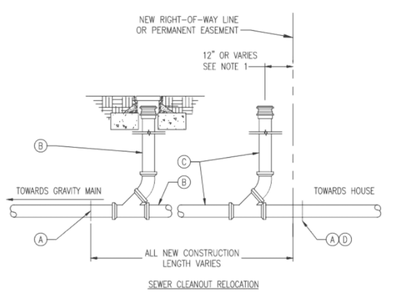
NOTES:
1. SEWER MANHOLE COVERS INSTALLED IN PEDESTRIAN WALKWAY MUST BE ADA COMPLIANT.
2. MANHOLE FRAME AND COVER MUST BE PRODUCED AND FINISHED IN THE UNITED STATES.

SUSSEX COUNTY ENGINEERING DEPARTMENT
APPROVED: SUSSEX COUNTY ENGINEER
MANHOLE FRAME AND COVER
DETAIL S-1.02
DATE ISSUED: 5/31/2022



NOTES:
1. STEPS SHALL BE ORIENTED OVER BENCH AND NOT FLOW CHANNEL. BOTTOM STEP SHALL BE 12" MAX. FROM TOP OF BENCH.
2. EMBEDMENT LENGTH OF REBAR SHALL BE SUITABLE FOR 5" MIN. WALL THICKNESS.

SUSSEX COUNTY ENGINEERING DEPARTMENT
APPROVED: SUSSEX COUNTY ENGINEER
MANHOLE STEP
DETAIL S-1.09
DATE ISSUED: 12/30/2021



WORK SCOPE

(A) CLEANLY CUT EXISTING LATERAL ON ROAD SIDE OF EXISTING CLEANOUT AND AT NEW TIE-IN LOCATION.

(B) REMOVE VERTICAL CLEANOUT APPURTENANCES AND SECTION OF EXISTING SEWER LATERAL UP TO NEW TIE-IN LOCATION.

(C) INSTALL NEW SECTION OF SEWER LATERAL INCLUDING NEW CLEANOUT, WYE, BEND AND RELATED APPURTENANCES. (SEE GENERAL NOTE 2)

(D) TIE-IN TO EXISTING HOUSE SIDE SEWER LATERAL USING AN APPROPRIATE COUPLING CONNECTION OR REPAIR SLEEVE AS NEEDED.

NOTES:
1. LOCATION OF NEW CLEANOUT SHALL BE AS NOTED ON THE PLANS OR IN THE UTILITY STATEMENT, OR AS DIRECTED BY THE SUSSEX COUNTY INSPECTOR.
2. SLOPE OF NEW SECTION OF SEWER LATERAL SHALL MATCH EXISTING UNLESS DIRECTED OTHERWISE BY THE SUSSEX COUNTY INSPECTOR.
3. REMOVAL AND/OR TIE-IN LOCATIONS SHALL BE A MINIMUM OF 2 FEET FROM EXISTING PIPE JOINTS.
4. WORK SHALL BE SCHEDULED AND PERFORMED IN A MANNER TO MINIMIZE SEWER SERVICE DISRUPTION.
5. REFER TO SUSSEX COUNTY DETAIL S-2.01 FOR NEW SEWER LATERAL CLEANOUT.

GENERAL NOTES:
1. THIS DETAIL APPLIES TO REQUIRED HORIZONTAL RELOCATION OF A SEWER CLEANOUT DUE TO CONFLICT WITH ROADWAY OR OTHER SITE CONSTRUCTION ACTIVITIES.
2. NEW MATERIALS PROPOSED TO BE USED FOR LATERAL EXTENSION SHALL BE SUBJECT TO COUNTY REVIEW AND APPROVAL. "FERNCO" TYPE ADAPTORS AND COUPLINGS ARE NOT PERMITTED.

SUSSEX COUNTY ENGINEERING DEPARTMENT
APPROVED: SUSSEX COUNTY ENGINEER
SEWER LATERAL CLEANOUT RELOCATION
DETAIL S-2.11
LAST REVISED: 10/11/2023

RECOMMENDED BY:

SUSSEX COUNTY ENGINEERING — 04/30/2024 DATE

PREPARED BY

TTT CENTURY ENGINEERING — CONSULTING ENGINEERS, SURVEYORS

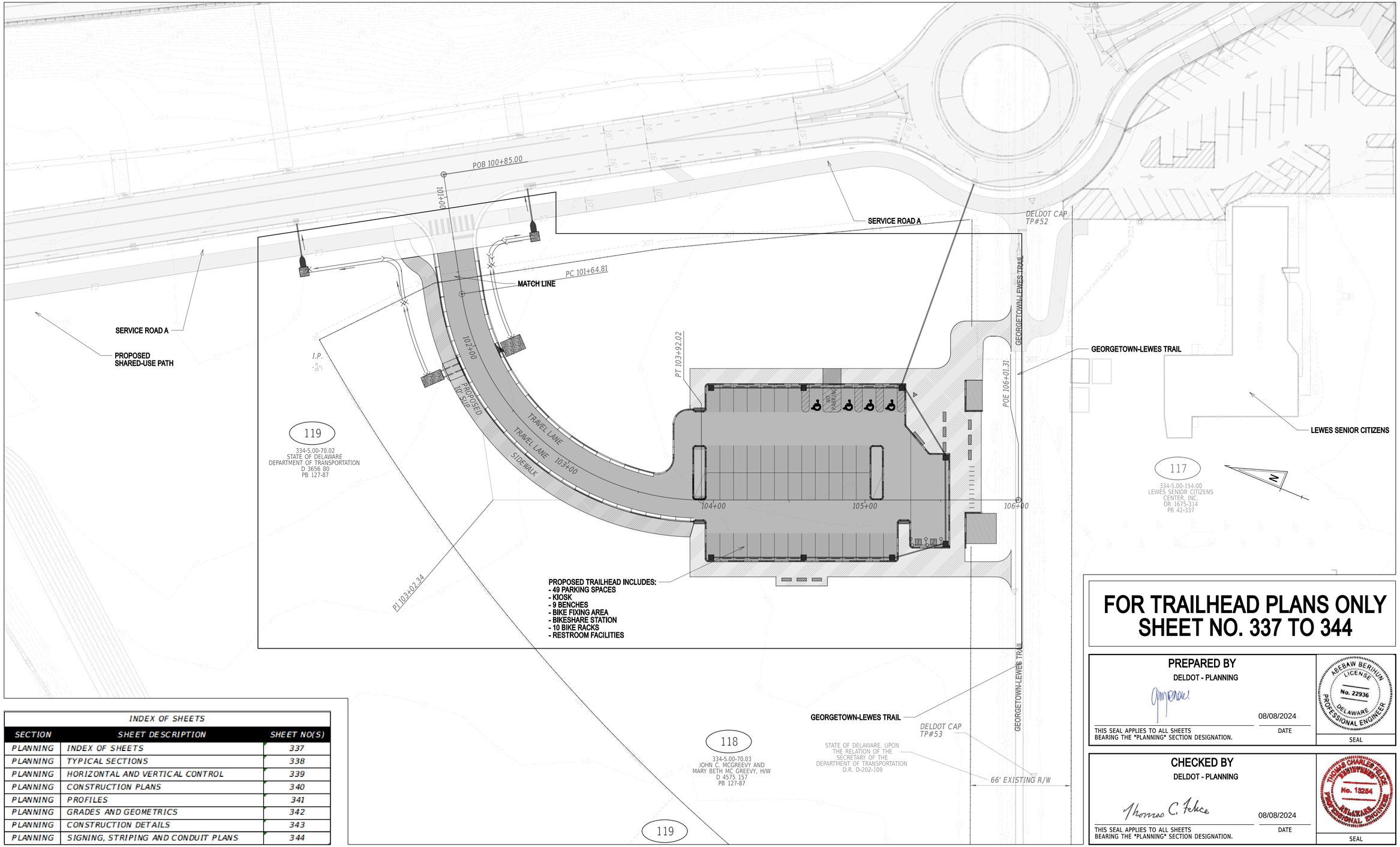
RECOMMENDED — 4/30/2024 DATE

ALAN K. MARTENET — LICENSE NO. 7535 — DELAWARE — PROFESSIONAL ENGINEER — SEAL

SC-15

ADDENDA / REVISIONS		NOT TO SCALE	SR 1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. N/A	SUSSEX COUNTY SEWER RELOCATION	SECTION CEI
				COUNTY SUSSEX	DESIGNED BY: KMC		SHEET NO. 336
					CHECKED BY: AKM		

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INDEX OF SHEETS		
SECTION	SHEET DESCRIPTION	SHEET NO(S)
PLANNING	INDEX OF SHEETS	337
PLANNING	TYPICAL SECTIONS	338
PLANNING	HORIZONTAL AND VERTICAL CONTROL	339
PLANNING	CONSTRUCTION PLANS	340
PLANNING	PROFILES	341
PLANNING	GRADES AND GEOMETRICS	342
PLANNING	CONSTRUCTION DETAILS	343
PLANNING	SIGNING, STRIPING AND CONDUIT PLANS	344

FOR TRAILHEAD PLANS ONLY
SHEET NO. 337 TO 344

PREPARED BY
DELDOT - PLANNING

08/08/2024
DATE

THIS SEAL APPLIES TO ALL SHEETS BEARING THE "PLANNING" SECTION DESIGNATION.

AREBAW BERIHUN LICENSE No. 22936 DELAWARE PROFESSIONAL ENGINEER
SEAL

CHECKED BY
DELDOT - PLANNING

08/08/2024
DATE

THIS SEAL APPLIES TO ALL SHEETS BEARING THE "PLANNING" SECTION DESIGNATION.

THOMAS CHARLES FELICE BERRYTOWN No. 13284 DELAWARE PROFESSIONAL ENGINEER
SEAL

ADDENDA / REVISIONS

SCALE
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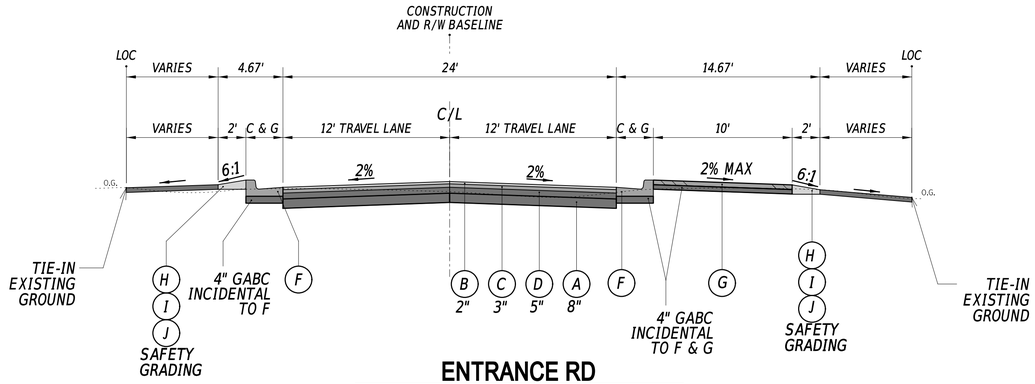
SR1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	N/A
T201612501	DESIGNED BY:	A. BERIHUN
COUNTY	CHECKED BY:	T. FELICE
SUSSEX		

TRAILHEAD INDEX OF SHEETS

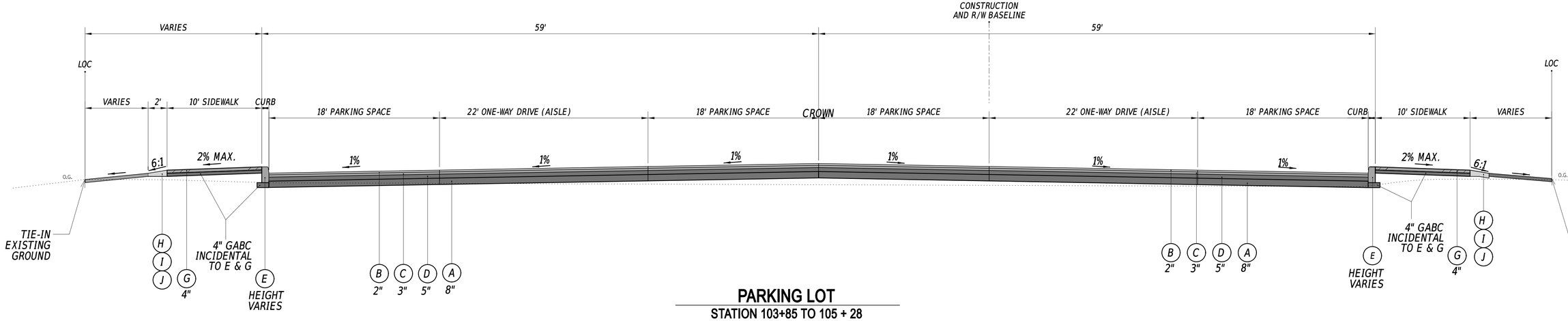
SECTION	
PLANNING	
SHEET NO.	
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ENTRANCE RD

STATION 100+85 TO STATION 103+85



PARKING LOT

STATION 103+85 TO 105 + 28

LOC - LIMITS OF CONSTRUCTION

O.G. - ORIGINAL GROUND

MATERIAL	LIFT THICKNESS	
	MINIMUM	MAXIMUM
BITUMINOUS CONCRETE, TYPE 'C'	1.25"	2"
BITUMINOUS CONCRETE, TYPE 'B'	2.25"	4"
BITUMINOUS CONCRETE BASE COURSE	3"	6"
GRADED AGGREGATE BASE COURSE	4"	8"

LEGEND

- (A) ITEM # 301001 - GRADED AGGREGATE BASE COURSE, TYPE B
- (B) ITEM # 401005 - SUPERPAVE, TYPE C, PG 64-22 (CARBONATE STONE)
- (C) ITEM # 401014 - SUPERPAVE TYPE B, PG 64-22
- (D) ITEM # 401021 - SUPERPAVE TYPE BCBC, PG 64-22
- (E) ITEM # 701013 - PORTLAND CEMENT CONCRETE CURB, TYPE 1-8, OVER 4" OF GABC, TYPE B
- (F) ITEM # 701018 - INTEGRAL PORTLAND CEMENT CONCRETE CURB & GUTTER, TYPE 1-8
- (G) ITEM # 705001 - PORTLAND CEMENT CONCRETE SIDEWALK, 4" OVER 4" OF GABC, TYPE B
- (H) ITEM # 908004 - TOPSOIL, 6" DEPTH
- (I) ITEM # 908014 - PERMANENT GRASS SEEDING, DRY GROUND
- (J) ITEM # 908020 - EROSION CONTROL BLANKET MULCH
- (K) ITEM # 707001-RIPRAP, R-4

ADDENDA / REVISIONS		NOT TO SCALE	SR1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO.	N/A	TRAILHEAD TYPICAL SECTIONS	SECTION
				T201612501				PLANNING
				COUNTY	DESIGNED BY:	A. BERIHUN		SHEET NO.
				SUSSEX	CHECKED BY:	T. FELICE		338

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HORIZONTAL / VERTICAL CONTROL DATA

POINT NO.	NORTHING	EASTING	ELEV.
52	273483.2510	720714.3472	23.84
53	273338.4784	720363.2761	24.14
56	273396.4397	720471.0297	25.33
I.P.	273879.5240	720435.1758	22.54

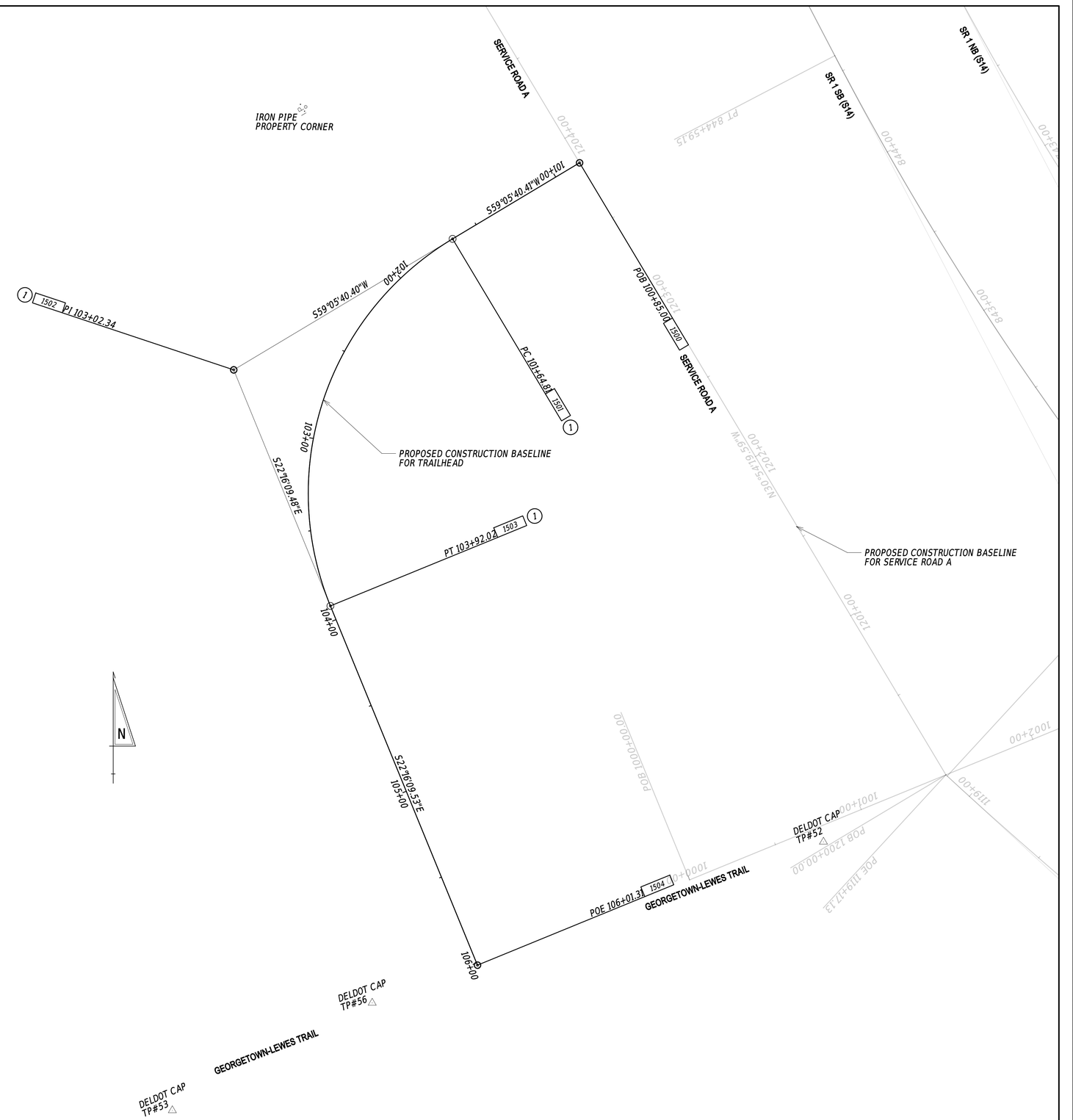
CONSTRUCTION ALIGNMENT CONTROL

POINT NO.	STATION	OFFSET	NORTHING	EASTING
1500	100+85.0000	0.00	273849.3562	720582.8549
1501	101+64.8060	0.00	273808.3660	720514.3800
1502	103+02.3400	50.99	273737.7254	720396.3737
1503	103+92.0168	0.00	273610.4497	720448.4936
1504	106+01.3141	0.00	273416.7633	720527.8090

CIRCULAR CURVE (1)

	STATION	NORTHING	EASTING
PC (1501)	101+64.8060	273808.3660	720514.3800
PI (1502)	103+02.3400	273737.7254	720396.3737
CC ( )		273671.0834	720596.5597
PT (1503)	103+92.0168	273610.4497	720448.4936

Radius:	160'
Delta:	81°21'49.9" Left
Degree of Curvature(Arc):	35°48'35.5"
Length:	227.2108'
Tangent:	137.5340'
Chord:	208.5950'
Middle Ordinate:	38.6656'
External:	50.9872'
Tangent Direction:	S 59°05'40.4" W
Radial Direction:	N 30°54'19.6" W
Chord Direction:	S 18°24'45.4" W
Radial Direction:	S 67°43'50.5" W
Tangent Direction:	S 22°16'09.5" E



NOTES:

1. OFFSETS SHOWN IN THE GEOMETRY TABLES WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.
2. UNLESS OTHERWISE NOTED, POINT GEOMETRY ADJACENT TO CURB AND CURB AND GUTTER IS GIVEN AT THE EDGE OF PAVEMENT.
3. UNLESS OTHERWISE NOTED, EDGE OF PAVEMENT ELEVATIONS ALONG INTERSECTION CURVES ARE GIVEN AT 10 FOOT INTERVALS.
4. RADII ARE GIVEN TO THE EDGE OF PAVEMENT.
5. PROPOSED PAVEMENT OR CURBS THAT TIE INTO EXISTING PAVEMENT OR EXISTING CURBS SHALL MATCH THE EXISTING PAVEMENT OR EXISTING CURB ELEVATIONS.
6. ALL WORK REQUIRED FOR CALCULATING AND STAKING OF GRADES SHALL BE PAID FOR UNDER ITEM 763501 - CONSTRUCTION ENGINEERING.

DATUM REFERENCE:

HORIZONTAL - THIS PROJECT IS REFERENCED TO THE DELAWARE STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM OF 1983 (NAD 83).

VERTICAL - THIS PROJECT IS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

ADDENDA / REVISIONS

SCALE
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FEET

SR1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	T201612501
COUNTY	SUSSEX
BRIDGE NO.	N/A
DESIGNED BY:	A. BERIHUN
CHECKED BY:	T. FELICE

TRAILHEAD HORIZONTAL AND VERTICAL CONTROL

SECTION	PLANNING
SHEET NO.	339

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HORIZONTAL / VERTICAL CONTROL DATA

POINT NO.	NORTHING	EASTING	ELEV.
52	273483.2510	720714.3472	23.84
53	273338.4784	720363.2761	24.14
56	273396.4397	720471.0297	25.33
I.P.	273879.5240	720435.1758	22.54

FLARED END SECTION SCHEDULE

NO.	SIZE / TYPE	SLOPE	SAFETY GRATE
TH-1	15" RCP	0.003	YES
TH-2	15" RCP	0.003	YES

CURB SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
TH-1	P.C.C. CURB AND GUTTER, TYPE 1-8	268.00'
TH-2	P.C.C. CURB AND GUTTER, TYPE 1-8	225.00'
TH-3	P.C.C. CURB, TYPE 1-8	72.00'
TH-4	P.C.C. CURB, TYPE 1-8	88.00'
TH-5	P.C.C. CURB, TYPE 1-8	195.00'
TH-6	P.C.C. CURB, TYPE 1-8	33.00'
TH-7	P.C.C. CURB, TYPE 1-8	139.00'
TH-8	P.C.C. CURB, TYPE 1-8	43.00'
TH-9	P.C.C. CURB, TYPE 1-8	88.00'
TH-10	P.C.C. CURB, TYPE 1-8	159.00'

* P.C.C. CURB TYPE 1-8 (EXPOSED FACE HEIGHT VARIES)

RIPRAP SCHEDULE

NO.	TYPE	AREA (SY)
RR TH-1	RIPRAP, R-4	16.00
RR TH-2	RIPRAP, R-4	4.00
RR TH-3	RIPRAP, R-4	4.00
RR TH-4	RIPRAP, R-4	11.00

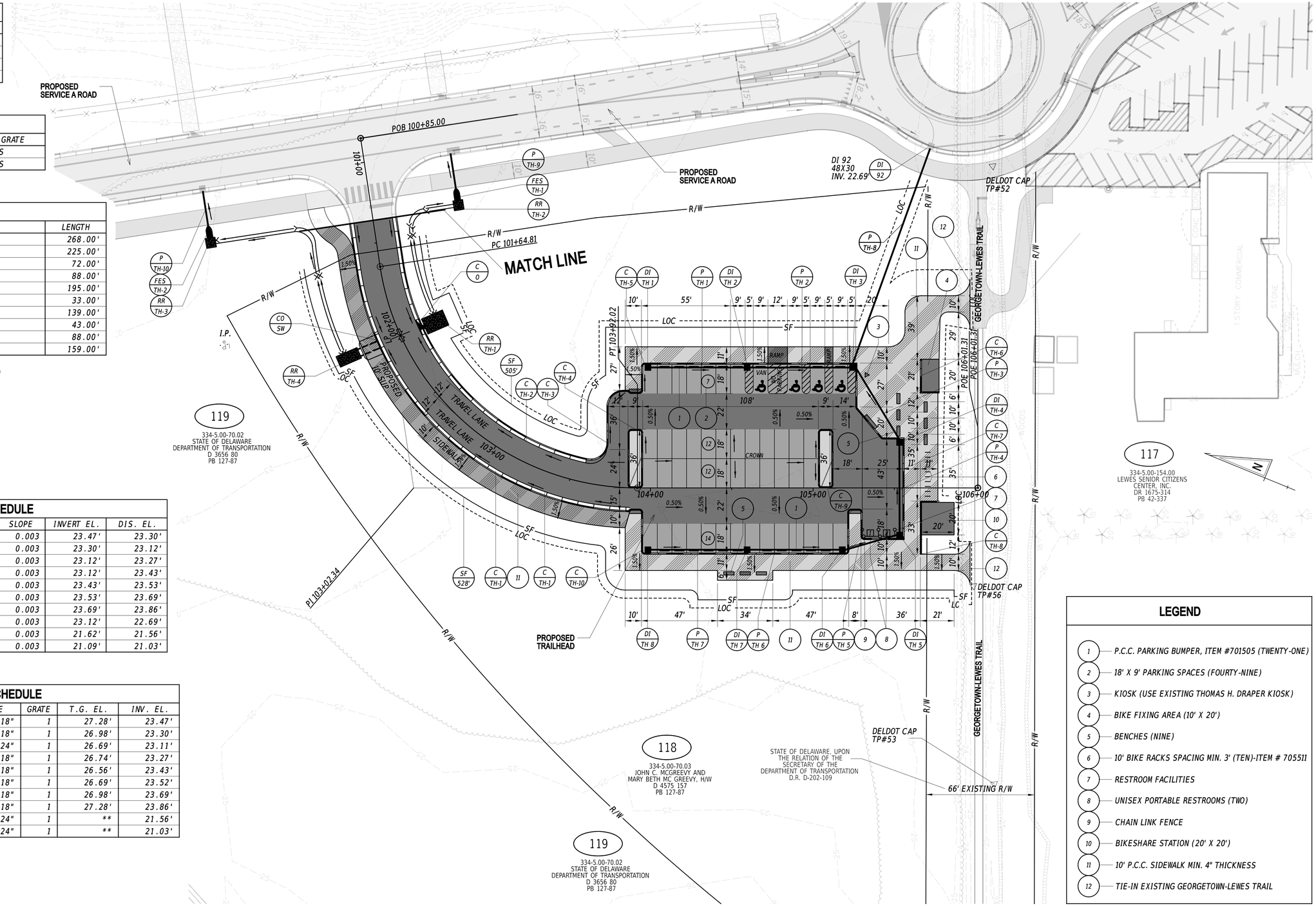
DRAINAGE PIPE SCHEDULE

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INVERT EL.	DIS. EL.
TH-1	15" RCP	IV	57.00'	0.003	23.47'	23.30'
TH-2	15" RCP	IV	60.76'	0.003	23.30'	23.12'
TH-3	21" RCP	IV	51.75'	0.003	23.12'	23.27'
TH-4	18" RCP	IV	52.82'	0.003	23.12'	23.43'
TH-5	15" RCP	IV	32.52'	0.003	23.43'	23.53'
TH-6	15" RCP	IV	54.51'	0.003	23.53'	23.69'
TH-7	15" RCP	IV	57.00'	0.003	23.69'	23.86'
TH-8	24" RCP	IV	140.43'	0.003	23.12'	22.69'
TH-9	15" RCP	IV	21.00'	0.003	21.62'	21.56'
TH-10	15" RCP	IV	21.00'	0.003	21.09'	21.03'

DRAINAGE INLET SCHEDULE

NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.
TH-1	103+98.49	-76.00	34" x 18"	1	27.28'	23.47'
TH-2	104+59.48	-76.00	34" x 18"	1	26.98'	23.30'
TH-3	105+24.24	-76.00	34" x 24"	1	26.69'	23.11'
TH-4	105+53.04	-30.00	34" x 18"	1	26.74'	23.27'
TH-5	105+53.23	31.00	34" x 18"	1	26.56'	23.43'
TH-6	105+17.98	40.00	34" x 18"	1	26.69'	23.52'
TH-7	104+59.47	40.00	34" x 18"	1	26.98'	23.69'
TH-8	103+98.48	40.00	34" x 18"	1	27.28'	23.86'
96	1203+31.38	*	72" x 24"	1	**	21.56'
97	1204+85.38	*	34" x 24"	1	**	21.03'

* - MATCH FLOWLINE OF PROPOSED CURB & GUTTER.
** - MATCH PROPOSED CURBLINE



LEGEND

1. P.C.C. PARKING BUMPER, ITEM #701505 (TWENTY-ONE)
2. 18' X 9' PARKING SPACES (FOURTY-NINE)
3. KIOSK (USE EXISTING THOMAS H. DRAPER KIOSK)
4. BIKE FIXING AREA (10' X 20')
5. BENCHES (NINE)
6. 10' BIKE RACKS SPACING MIN. 3' (TEN)-ITEM # 705511
7. RESTROOM FACILITIES
8. UNISEX PORTABLE RESTROOMS (TWO)
9. CHAIN LINK FENCE
10. BIKESHARE STATION (20' X 20')
11. 10' P.C.C. SIDEWALK MIN. 4" THICKNESS
12. TIE-IN EXISTING GEORGETOWN-LEWES TRAIL

ADDENDA / REVISIONS

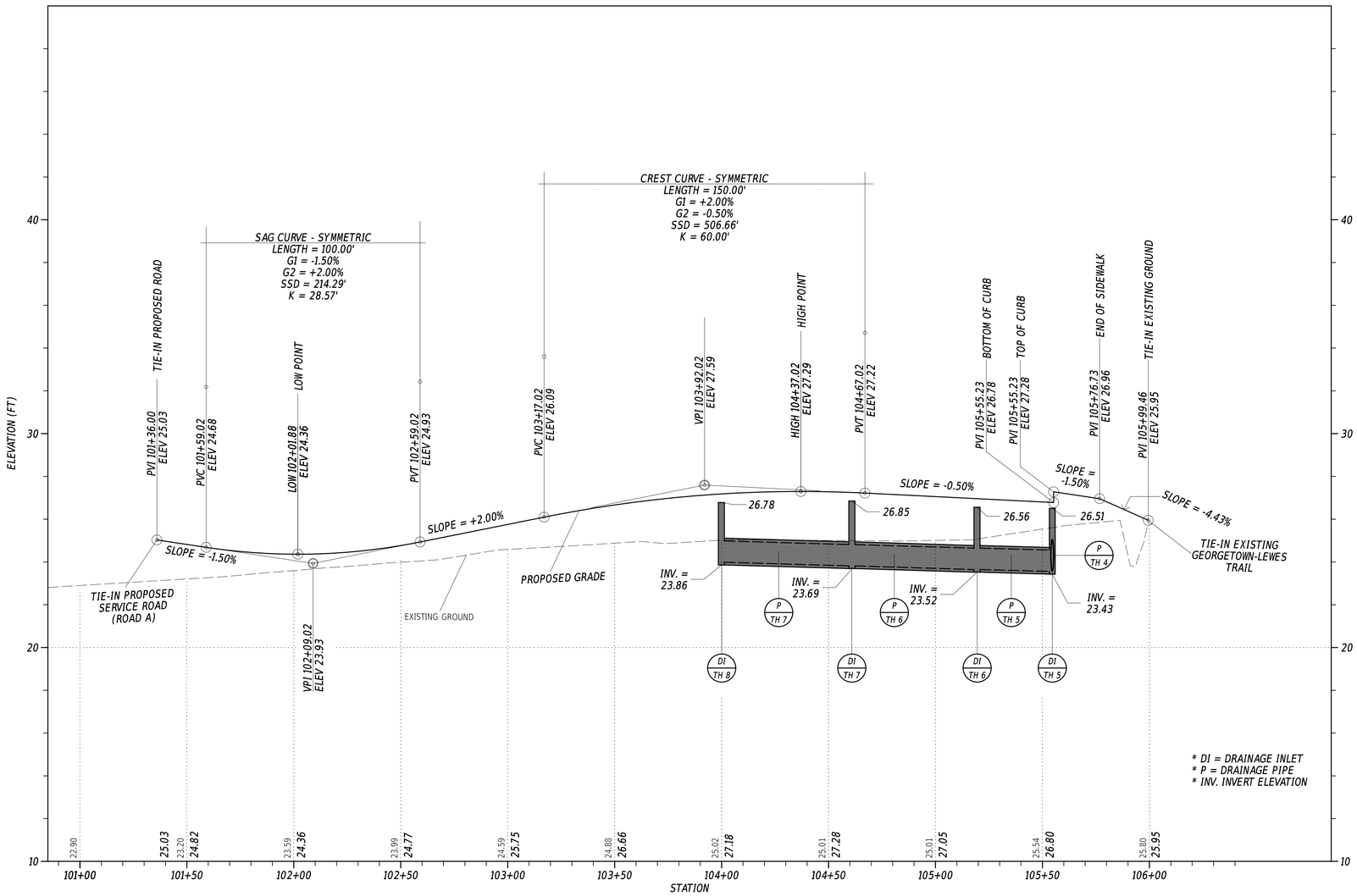
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SR1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	N/A	SECTION
T201612501	DESIGNED BY: A. BERIHUN		PLANNING
COUNTY			SHEET NO.
SUSSEX	CHECKED BY: T. FELICE		340

TRAILHEAD CONSTRUCTION PLAN

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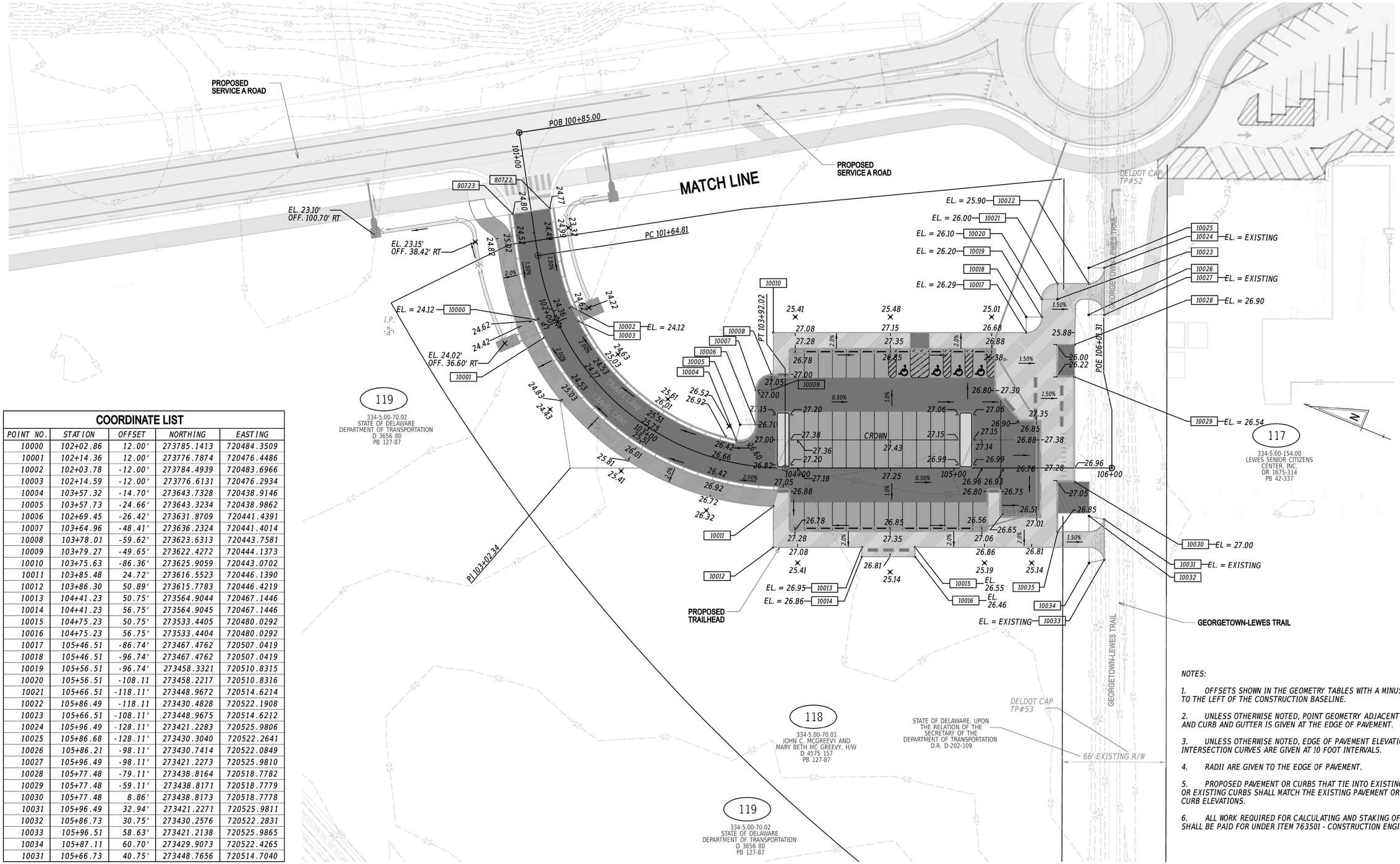


TRAILHEAD ENTRANCE ROAD

VERTICAL SCALE FEET 0 3 6 9

ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	SR1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT T201612501	BRIDGE NO. N/A	TRAILHEAD PROFILES	SECTION PLANNING
				COUNTY SUSSEX	DESIGNED BY: A. BERIHUN		SHEET NO. 341
					CHECKED BY: T. FELICE		

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COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
10000	102+02.86	12.00'	273785.1413	720484.3509
10001	102+14.36	12.00'	273776.7874	720476.4486
10002	102+03.78	-12.00'	273784.4939	720483.6966
10003	102+14.59	-12.00'	273776.6131	720476.2934
10004	103+57.32	-14.70'	273643.7328	720438.9146
10005	103+57.73	-24.66'	273643.3234	720438.9862
10006	102+69.45	-26.42'	273631.8709	720441.4391
10007	103+64.96	-48.41'	273636.2324	720441.4014
10008	103+78.01	-59.62'	273623.6313	720443.7581
10009	103+79.27	-49.65'	273622.4272	720444.1373
10010	103+75.63	-86.36'	273625.9059	720443.0702
10011	103+85.48	24.72'	273616.5523	720446.1390
10012	103+86.30	50.89'	273615.7783	720446.4219
10013	104+41.23	50.75'	273564.9044	720467.1446
10014	104+41.23	56.75'	273564.9045	720467.1446
10015	104+75.23	50.75'	273533.4405	720480.0292
10016	104+75.23	56.75'	273533.4404	720480.0292
10017	105+46.51	-86.74'	273467.4762	720507.0419
10018	105+46.51	-96.74'	273467.4762	720507.0419
10019	105+56.51	-96.74'	273458.3321	720510.8315
10020	105+56.51	-108.11	273458.2217	720510.8316
10021	105+66.51	-118.11'	273448.9672	720514.6214
10022	105+86.49	-118.11	273430.4828	720522.1908
10023	105+66.51	-108.11'	273448.9675	720514.6212
10024	105+96.49	-128.11'	273421.2283	720525.9806
10025	105+86.68	-128.11'	273430.3040	720522.2641
10026	105+86.21	-98.11'	273430.7414	720522.0849
10027	105+96.49	-98.11'	273421.2273	720525.9810
10028	105+77.48	-79.11'	273438.8164	720518.7782
10029	105+77.48	-59.11'	273438.8171	720518.7779
10030	105+77.48	8.86'	273438.8173	720518.7778
10031	105+96.49	32.94'	273421.2271	720525.9811
10032	105+86.73	30.75'	273430.2576	720522.2831
10033	105+96.51	58.63'	273421.2138	720525.9865
10034	105+87.11	60.70'	273429.9073	720522.4265
10031	105+66.73	40.75'	273448.7656	720514.7040

NOTES:

1. *OFFSETS SHOWN IN THE GEOMETRY TABLES WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.*
2. *UNLESS OTHERWISE NOTED, POINT GEOMETRY ADJACENT TO CURB AND CURB AND GUTTER IS GIVEN AT THE EDGE OF PAVEMENT.*
3. *UNLESS OTHERWISE NOTED, EDGE OF PAVEMENT ELEVATIONS ALONG INTERSECTION CURVES ARE GIVEN AT 10 FOOT INTERVALS.*
4. *RADII ARE GIVEN TO THE EDGE OF PAVEMENT.*
5. *PROPOSED PAVEMENT OR CURBS THAT TIE INTO EXISTING PAVEMENT OR EXISTING CURBS SHALL MATCH THE EXISTING PAVEMENT OR EXISTING CURB ELEVATIONS.*
6. *ALL WORK REQUIRED FOR CALCULATING AND STAKING OF GRADES SHALL BE PAID FOR UNDER ITEM 763501 - CONSTRUCTION ENGINEERING.*

ADDENDA / REVISIONS

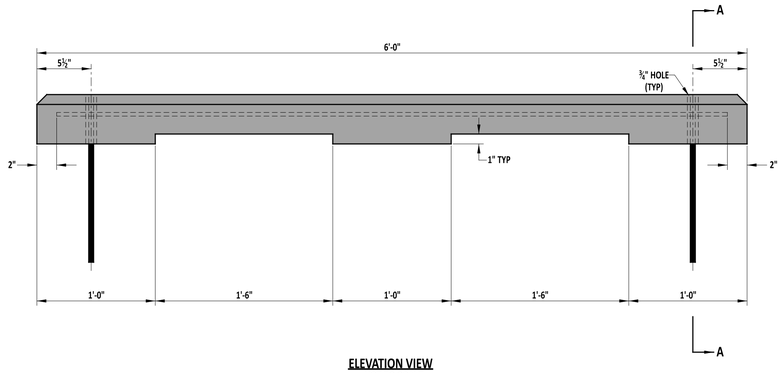
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SR1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

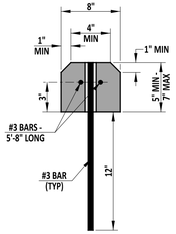
CONTRACT	BRIDGE NO.	N/A	SECTION
T201612501	DESIGNED BY: A. BERIHUN		PLANNING
COUNTY			SHEET NO.
SUSSEX	CHECKED BY: T. FELICE		342

TRAILHEAD GRADES AND GEOMETRICS

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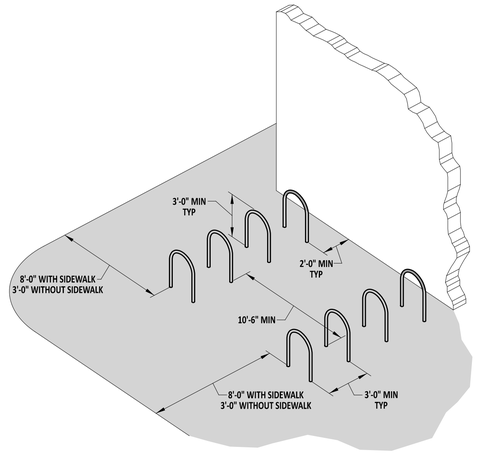


ELEVATION VIEW
NOT TO SCALE

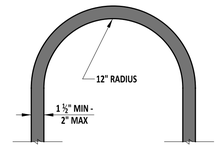


SECTION A-A

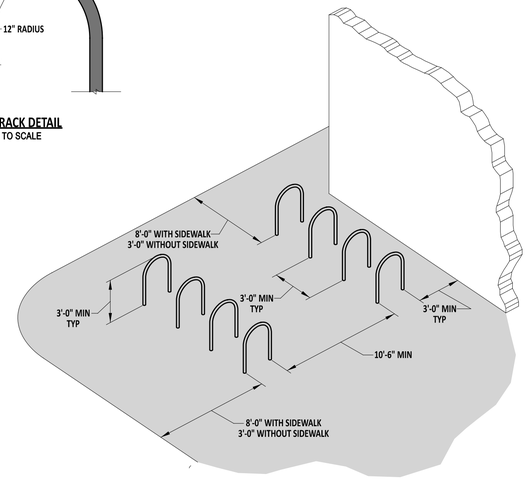
P.C.C. PARKING BUMPER DETAIL



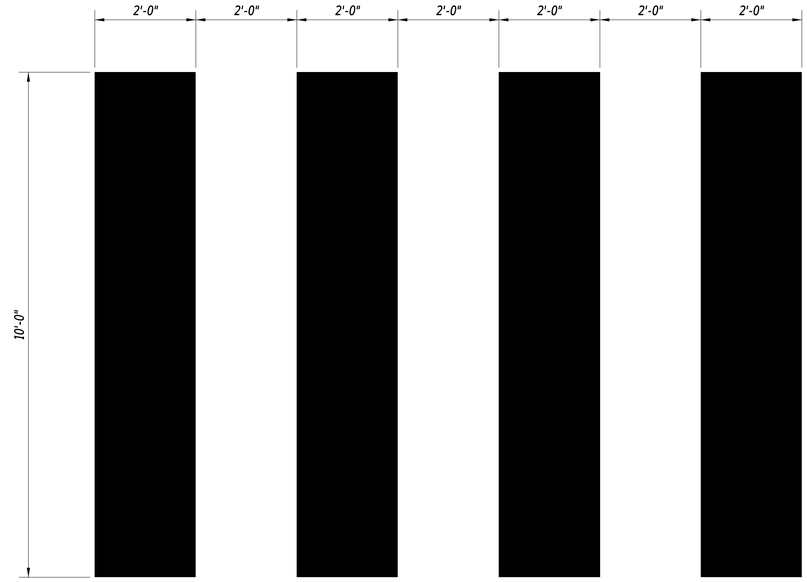
NOTES:
1). BIKE RACK SHALL BE ANCHORED AS PER MANUFACTURER'S RECOMMENDATIONS AFTER APPROVAL FROM ENGINEER IN THE FIELD.
2). DETAIL SHOWN WITH P.C.C. CURB TYPE 1-B, HOWEVER ACTUAL CURB VARIES AND SHOULD BE PLACED AS SHOWN ON PLANS.
3). SPECIAL CONSIDERATIONS SHOULD BE TAKEN WHEN PLACING BIKE RACKS NEAR CURB RAMPS AND MAY REQUIRE A DETAIL ON THE PLANS.



BIKE RACK DETAIL
NOT TO SCALE

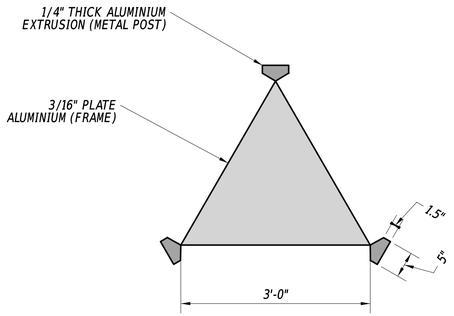


BIKE RACK LAYOUT DETAILS



STRIPING OF CROSSWALK SHALL BE THERMOPLASTIC (ITEM 817002)
PEMANENT PAVEMENT STRIPING, SYMBOL/LEGEND, ALKYD - THERMOPLASTIC

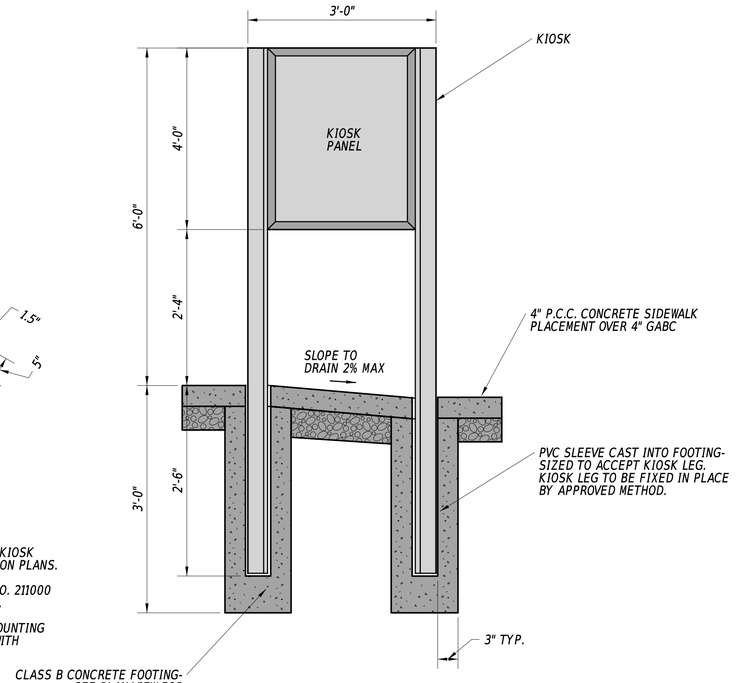
PEDESTRIAN CROSSWALK DETAIL



PLAN VIEW
NOT TO SCALE

NOTES:

1. *RELOCATE THE EXISTING THOMAS H. DRAPER KIOSK TO THE LOCATION SHOWN IN THE CONSTRUCTION PLANS.*
2. *ALL ITEMS SHOWN ARE INCIDENTAL TO ITEM NO. 211000 - REMOVAL OF STRUCTURES & OBSTRUCTIONS.*
3. *CONTRACTOR SHALL PROVIDE DELDOT WITH MOUNTING HARDWARE FOR KIOSK PANELS CONSISTENT WITH MANUFACTURERS RECOMMENDATIONS.*

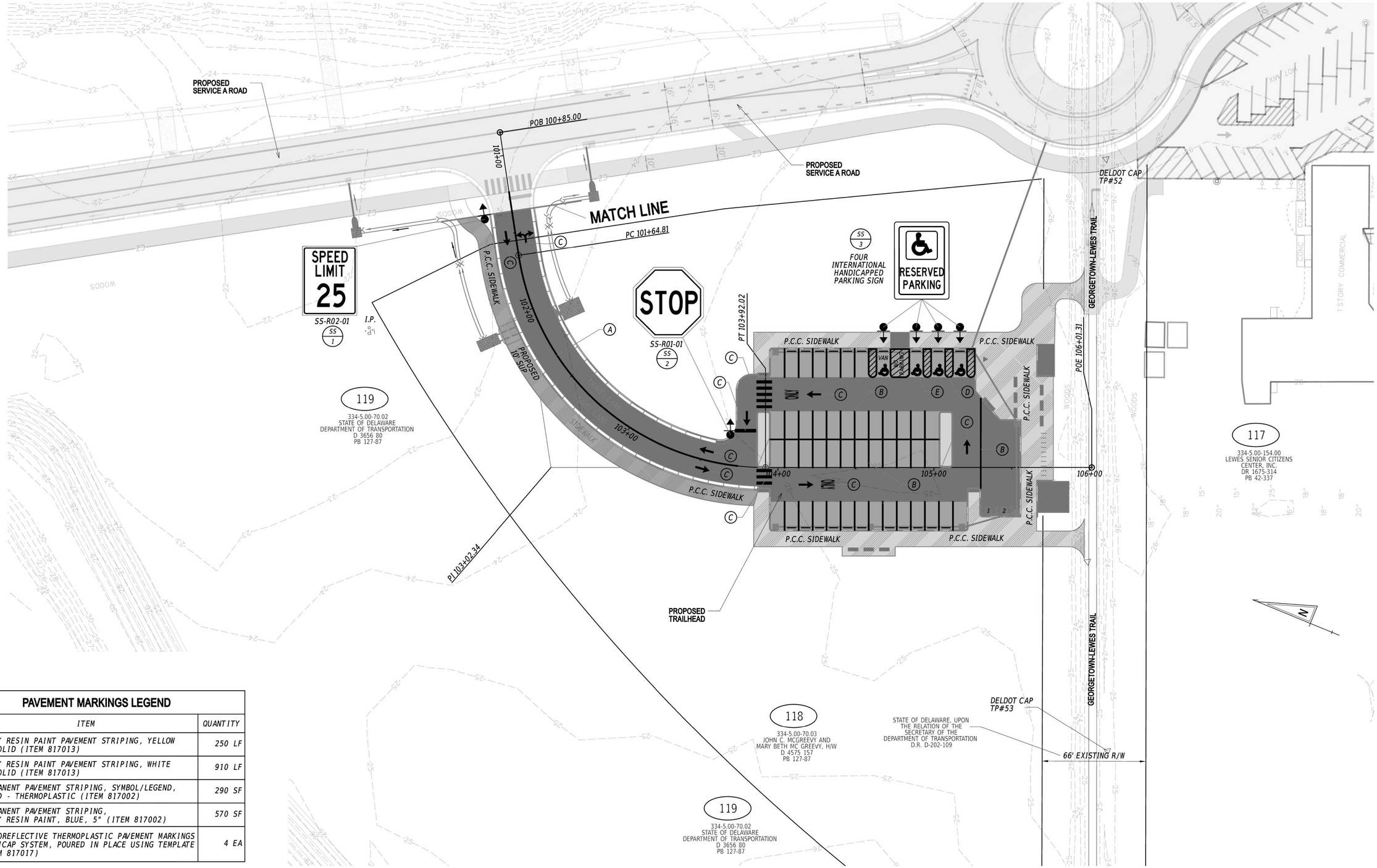


ELEVATION VIEW
NOT TO SCALE

KIOSK TRIANGULAR DETAILS

ADDENDA / REVISIONS		NOT TO SCALE	SR1, MINOS CONAWAY GRADE SEPARATED INTERSECTION	CONTRACT	BRIDGE NO. N/A	TRAILHEAD CONSTRUCTION DETAILS	SECTION
				T201612501			PLANNING
				COUNTY	DESIGNED BY: A. BERIHUN		SHEET NO.
				SUSSEX	CHECKED BY: T. FELICE		343

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PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 5" SOLID (ITEM 817013)	250 LF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" SOLID (ITEM 817013)	910 LF
(C)	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND, ALKYD - THERMOPLASTIC (ITEM 817002)	290 SF
(D)	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, BLUE, 5" (ITEM 817002)	570 SF
(E)	RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS HANDICAP SYSTEM, POURED IN PLACE USING TEMPLATE (ITEM 817017)	4 EA

ADDENDA / REVISIONS

SCALE
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SR1, MINOS CONAWAY GRADE SEPARATED INTERSECTION

CONTRACT	BRIDGE NO.	N/A
T201612501	DESIGNED BY:	A. BERIHUN
COUNTY	CHECKED BY:	T. FELICE
SUSSEX		

TRAILHEAD SIGNING & STRIPING PLAN

SECTION
PLANNING
SHEET NO.
344

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