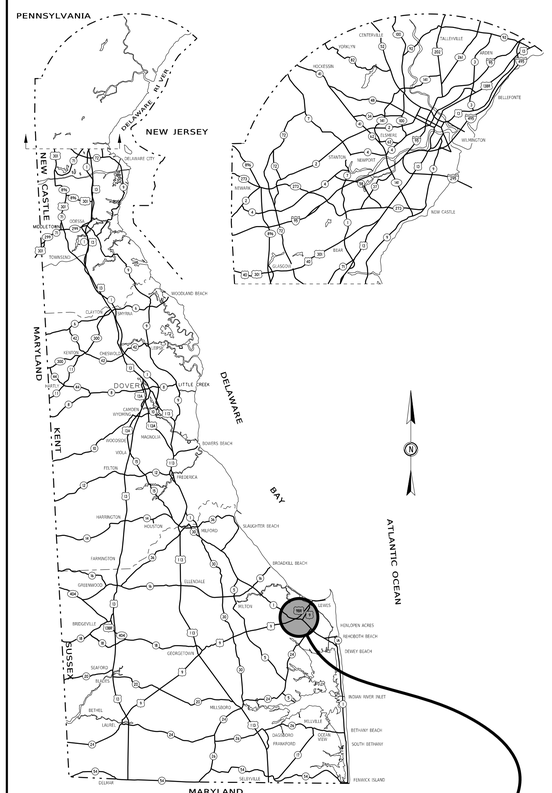


GENERAL LOCATION OF CONTRACT

THE STATE OF DELAWARE
DEPARTMENT OF TRANSPORTATION

U.S. CUSTOMARY UNITS

CONSTRUCTION PLANS FOR:

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT NUMBER: T201609601

FEDERAL AID PROJECT NUMBER: ESTP-S269(1)

COUNTY: SUSSEX M.R. #: S269,S269A,S269B,S18,S12

DESIGN DESIGNATION

MRD #: S269A	ROAD NAME: OLD ORCHARD ROAD (S269A)		
FUNCTIONAL CLASS: LOCAL		D.H.V. PROJECTED: 600	YEAR: 2050
TYPE OF CONSTRUCTION: INTERSECTION IMPROVEMENT		DESIGN SPEED: 40 M.P.H.	
A.A.D.T. CURRENT: 3,200	YEAR: 2019	TRUCKS: 13.00 %	
A.A.D.T. PROJECTED: 3,900	YEAR: 2050	DIRECTION OF DISTRIBUTION: 61 %	
MRD #: S18	ROAD NAME: SAVANNAH ROAD (S18)		
FUNCTIONAL CLASS: MAJOR COLLECTOR		D.H.V. PROJECTED: 2,200	YEAR: 2050
TYPE OF CONSTRUCTION: INTERSECTION IMPROVEMENT		DESIGN SPEED: 40 M.P.H.	
A.A.D.T. CURRENT: 13,800	YEAR: 2019	TRUCKS: 6.00 %	
A.A.D.T. PROJECTED: 18,500	YEAR: 2050	DIRECTION OF DISTRIBUTION: 58.00 %	
MRD #: S12	ROAD NAME: WESCOATS ROAD (S12)		
FUNCTIONAL CLASS: MAJOR COLLECTOR		D.H.V. PROJECTED: 2,200	YEAR: 2050
TYPE OF CONSTRUCTION: INTERSECTION IMPROVEMENT		DESIGN SPEED: 40 M.P.H.	
A.A.D.T. CURRENT: 9,200	YEAR: 2019	TRUCKS: 13.00 %	
A.A.D.T. PROJECTED: 13,900	YEAR: 2050	DIRECTION OF DISTRIBUTION: 60 %	
MRD #: S269B	ROAD NAME: MARSH ROAD (S269B)		
FUNCTIONAL CLASS: LOCAL		D.H.V. PROJECTED: 800	YEAR: 2050
TYPE OF CONSTRUCTION: INTERSECTION IMPROVEMENT		DESIGN SPEED: 40 M.P.H.	
A.A.D.T. CURRENT: 2,900	YEAR: 2019	TRUCKS: 13.00 %	
A.A.D.T. PROJECTED: 5,100	YEAR: 2050	DIRECTION OF DISTRIBUTION: 60 %	

APPROVED DESIGN EXCEPTIONS

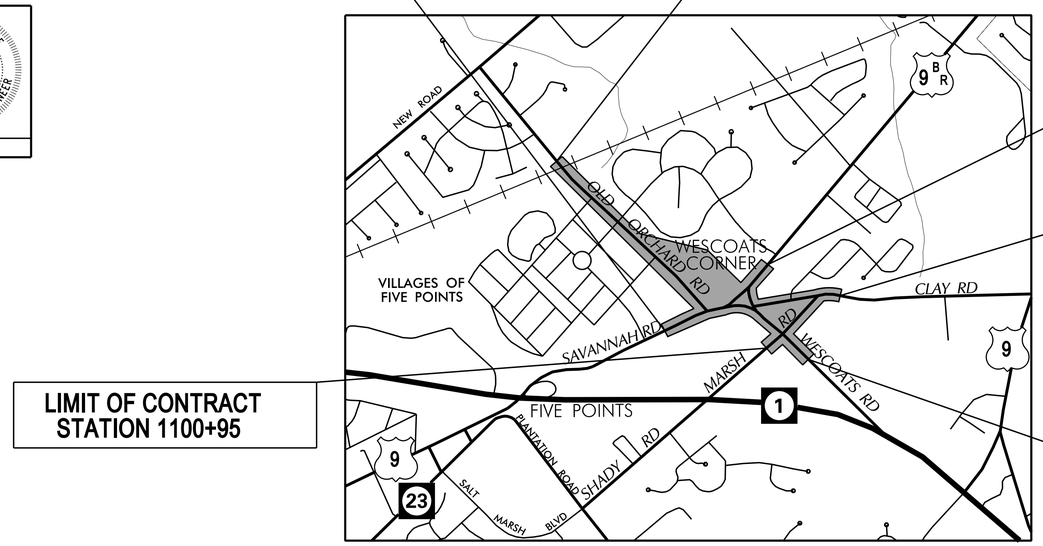
DESIGN PARAMETER	REQUIRED	PROVIDED	DATE

ASSOCIATED CONTRACTS

CONTRACT NO.	CONTRACT NAME
CS19	SUNSHINE SCHOOL TO LEWES
CS30	WESCOAT CORNERS TO REHOBOTH BEACH
486	COOL SPRING TO LEWES WIDENING
1421	FIVE POINTS TO LEWES
1845	269-A (RTE 18 TO RD 266)
1443	MARSH ROAD, PLANTATION RD. TO CLAY RD.
T201506302	PAVEMENT & REHABILITATION, SUSSEX II (LEWES AREA)

LIMIT OF CONTRACT STATION 350+75

END CONTRACT STATION 643+70



LIMIT OF CONTRACT STATION 517+12

LIMIT OF CONTRACT STATION 1117+27

LIMIT OF CONTRACT STATION 1100+95

BEGIN CONTRACT STATION 599+47

LOCATION MAP
SCALE: NONE

APPROVED FOR ADVERTISEMENT

DIRECTOR OF TRANSPORTATION SOLUTIONS — 09/04/2024 DATE

PREPARED BY

WRA Whitman, Requardt and Associates, LLP
Engineers • Architects • Environmental Planners Est. 1915

08/23/2024 DATE

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

VALERIE SKELLIE LICENSEE No. 20156 DELAWARE PROFESSIONAL ENGINEER

SEAL

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WRA	ADDENDA AND REVISIONS	3
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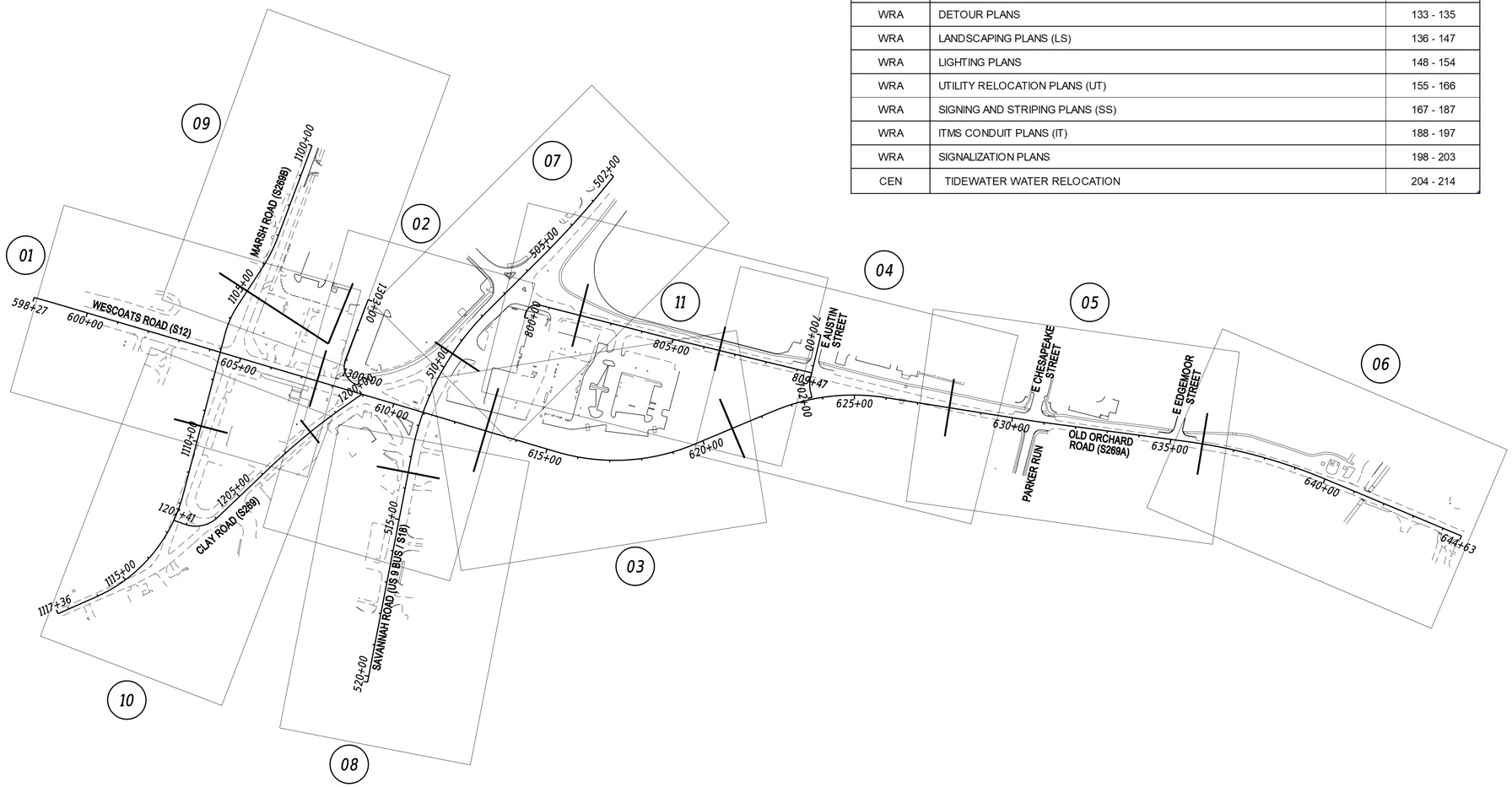

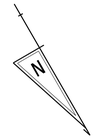

ADDENDA / REVISIONS		SCALE 0 200 400 600 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	INDEX OF SHEETS	SECTION WRA
				COUNTY SUSSEX	DESIGNED BY: J. SINCLAIR		SHEET NO. 2
					CHECKED BY: V. KOWALSKI		

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ADDENDUM PREPARED BY

Whitman, Requardt and Associates, LLP
Engineers • Architects • Environmental Planners Est. 1915

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

DATE

SEAL

REVISION PREPARED BY

Whitman, Requardt and Associates, LLP
Engineers • Architects • Environmental Planners Est. 1915

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

DATE

SEAL

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ADDENDA / REVISIONS		NOT TO SCALE	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT	BRIDGE NO.	N/A	ADDENDA AND REVISIONS	SECTION
				T201609601	DESIGNED BY:	J. SINCLAIR		WRA
				COUNTY	CHECKED BY:	V. KOWALSKI		SHEET NO.
				SUSSEX				3

MANMADE ROADSIDE FEATURES

FEATURE DESCRIPTION	EXISTING	PROPOSED	ID
BARRIER - DOUBLE-FACED, PERMANENT			
BARRIER - SINGLE-FACED, PERMANENT, TEST LEVEL 4 / TEST LEVEL 5	BARRIER, TYPE "X"		B XXX
BARRIER - HIGH TENSION CABLE (HTCB)			
BARRIER - HTCB END TERMINAL			
BOLLARD - STEEL POLE			
BOLLARD - WOOD POST			
CURB, TYPE 1 AND TYPE 3			
CURB, TYPE 2	CURB, TYPE "X"		
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/SW OPENING - ADJACENT CURB			CO SW
CURB/SW OPENING - NON-ADJACENT CURB			
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			
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 (V-SHAPE / TRAPEZOIDAL)			
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
FLARED END SECTION			FES XXX
RIPRAP - AREA FEATURE			RR XXX
RIPRAP - LINEAR FEATURE			
SAFETY END STRUCTURE			SES XXX
UNDERDRAIN			UD XXX
UNDERDRAIN OUTLET			UDO XXX

UTILITY FEATURES

FEATURE DESCRIPTION	EXISTING	PROPOSED
COMMUNICATIONS DISTRIBUTION BOX	CD TV	
COMMUNICATIONS MANHOLE	Ⓒ Ⓣ	Ⓒ
COMMUNICATIONS TEST POINT	CT T	
COMMUNICATIONS - UNDERGROUND	VER-C (B)	VER-C
	COM-C (D)	COM-C
	CC-FO (B)	CC-C
ELECTRIC - UNDERGROUND	DEC-E (B)	E
	DP-E (B)	DP-E
ELECTRIC MANHOLE	Ⓔ	Ⓔ
ELECTRIC METER	EM	
ELECTRIC TRANSFORMER	E	
GAS - UNDERGROUND	CU-G (B)	G
GAS MANHOLE	Ⓖ	Ⓖ
GAS METER	G.M.	
GAS VALVE	G.V.	
GAS PUMP - SERVICE STATION	G.P.	
IRRIGATION - UNDERGROUND	IR(A)	IR
ITMS - UNDERGROUND	ITMS(A)	ITMS
LIGHTING - UNDERGROUND	LI(A)	LI
LUMINAIRE - POLE MOUNTED		
MANHOLE - UNDETERMINED OWNER	?	
RAILROAD TRACKS		
SANITARY - UNDERGROUND	SC-S (B)	S
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	
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 MARKER	UM	
UTILITY POLE GUY WIRE ANCHOR		
UTILITY POLE		
UTILITY TEST HOLE LOCATION		
WATER - UNDERGROUND	TU-W (D)	W
WATER - FIRE HYDRANT	F.H.	F.H.
WATER METER	W.M.	
WATER VALVE	WV	WV
WELL HEAD	WELL	

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		
TOP OF BERM		

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	R/W
RIGHT-OF-WAY BY PE	R/W-PE	
RIGHT-OF-WAY & DENIAL OF ACCESS	R/W-DA	R/W-DA
RIGHT-TO-ENTER		RTE
TEMPORARY CONSTRUCTION EASEMENT		TCE

PAVEMENT SECTION(S)

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

MISCELLANEOUS FEATURES

FEATURE DESCRIPTION	PROPOSED
HERRINGBONE 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.)	

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 XXX
BUS STOP PAD / TYPE	BSP X
BUS STOP WITH SHELTER PAD / TYPE	BSSP X
CONCRETE SAFETY BARRIER	B XXX
CONVERT TO JUNCTION BOX	CJB XXX
CONVERT TO DRAINAGE MANHOLE	CMH XXX
DO NOT DISTURB	DND
ENERGY DISSIPATOR	EO XXX
FILL WITH FLOWABLE FILL	FF C
LANDSCAPE PLANTINGS	LS XXX
PEDESTRIAN CONNECTION / TYPE	PC XX
PEDESTRIAN CONNECTION / TYPE WITHOUT DETECTABLE WARNING SYSTEM	PC-N XXX
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	M XXX

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	△

ADDENDA / REVISIONS

NOT TO SCALE

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY:	J. SINCLAIR
COUNTY	CHECKED BY:	V. KOWALSKI
SUSSEX		

LEGEND

SECTION: WRA

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 JANUARY 2024 AND THE DELAWARE DEPARTMENT OF TRANSPORTATION "STANDARD CONSTRUCTION DETAILS", DATED 2024.

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 "RELEASE FOR DELIVERY OF DOCUMENTS IN ELECTRONIC FORM TO A CONTRACTOR" 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 AERIAL 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 CLEAR ZONE. EACH MAILBOX 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. WHERE APPLICABLE, THE PEDESTRIAN ACCESS ROUTE BEHIND MAILBOX SHALL BE WIDENED TO MEET MINIMUM PAR CLEARANCE. 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. SEE MAILBOX PLACEMENT DETAIL WITHOUT GRASS STRIP ON DRAWING DT-10.

5. ITEMS TO BE REMOVED UNDER ITEM 211000 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
   - CONCRETE SUPPORT FOUNDATIONS FOR MISCELLANEOUS SMALL STRUCTURES NOT COVERED UNDER OTHER PAY ITEMS
   - FENCE AND FENCE POSTS
   - POLE BASES
   - WOOD POSTS AND BOLLARDS
   - BRICK PILLARS AT STA. 512+61 AND STA. 512+83 LT.
   - EXISTING INLETS
   - EXISTING WATER VALAVES
   - EXISTING SANITARY SEWER VALVES AND CLEANOUTS

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 ITEM 201000, AND REMOVAL OF ADDITIONAL EXISTING FEATURES SHALL BE PAID FOR UNDER ITEM 211000 AS NOTED IN SECTION 200 OF THE PROJECT NOTES.

7. EXISTING FENCE LOCATED WITHIN LOC SHOULD BE REMOVED OR RELOCATED OUTSIDE THE LOC PRIOR TO CONSTRUCTION BY OTHERS. ANY FENCE REMAINING WITHIN THE LOC SHALL BE REMOVED UNDER ITEM 211000 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS.

SECTION 400

8. THE PAVEMENT SECTION FOR FLEXIBLE PAVEMENT RESIDENTIAL DRIVEWAYS SHALL BE 2" SUPERPAVE TYPE C, PG 64-22 OVER 8" GABC, UNLESS OTHERWISE NOTED ON THE PLANS OR AS DETERMINED BY ENGINEER IN THE FIELD AS NEEDED TO MATCH EXISTING. RESIDENTIAL DRIVEWAYS ARE LOCATED AT PARCELS 38 AND 39 ALONG CLAY ROAD.

9. THE PAVEMENT SECTION FOR FLEXIBLE PAVEMENT COMMERCIAL DRIVEWAYS AND PARKING LOTS SHALL BE AS NOTED BELOW, UNLESS OTHERWISE SHOWN ON THE PLANS OR AS DETERMINED BY ENGINEER IN THE FIELD AS NEEDED TO MATCH EXISTING:
   2" SUPERPAVE, TYPE C, PG 64-22
   3" SUPERPAVE, TYPE B, PG 64-22
   8" GABC
   (*ACCESS ROAD 1, P9/P15 DRIVEWAY, AND P2 AND P3 BACK ACCESSES SHALL HAVE PAVEMENT SECTION AS SHOWN IN TYPICAL NORMAL SECTION - ACCESS ROAD AND ATLANTIC CONCRETE COMPANY DRIVEWAY SHALL BE 8" CONCRETE SIDEWALK)

SECTION 600

10. DRAINAGE INLET GRATES ADJACENT TO THE CURB OR EDGE PAVING, WITHIN THE PROJECT LIMITS, WHICH ARE NOT TYPE 1 OR TYPE 4, SHALL BE REPLACED WITH TYPE 1. INLET GRATES WITHIN THE PAVING, NOT ADJACENT TO THE CURB OR EDGE OF PAVING SHALL BE REPLACED WITH TYPE 3. THE ACTUAL LOCATIONS, THE NEED FOR ANY GRATE MODIFICATIONS OR FOR NEW FRAMES SHALL BE DETERMINED BY THE ENGINEER. ALL REPLACED GRATES/FRAMES SHALL BE DELIVERED TO THE DELAWARE DEPARTMENT OF TRANSPORTATION'S GRAVEL HILL MAINTENANCE YARD WITH THE COST OF DELIVERY INCIDENTAL TO ITEM 602100 - DRAINAGE INLET GRATE(S) & ITEM 602101 - DRAINAGE INLET FRAME(S). FINAL PAYMENT FOR DRAINAGE INLET GRATES/FRAMES SHALL NOT BE MADE UNTIL RECEIPT OF DELIVERED MATERIALS IS PRODUCED, SIGNED BY A DELDOT MAINTENANCE YARD SUPERVISOR.

11. 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

12. 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.

13. 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 - SAW CUTTING, CONCRETE, FULL DEPTH.

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

15. 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.

SECTION 900

16. 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.

17. THE PRICE FOR ITEM 911000 INCLUDES MAINTAINING A WEED FREE LANDSCAPE BED THROUGH THE FINAL ACCEPTANCE OF ALL LANDSCAPE ITEMS.

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

MISCELLANEOUS

19. 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.

20. 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.

21. TESTING, REMOVAL, AND DISPOSAL OF ANY CONTAMINATED SOILS ENCOUNTERED ON THIS PROJECT SHALL BE APPROVED AND VERIFIED BY THE ENGINEER AND PAID FOR UNDER ITEM 202560 - CONTAMINATED MATERIALS. POTENTIAL DISCOVERY AT PARCEL 5 (TP#334-6.00-28.00) AND PARCEL 30 (TP#334-6.00-24.01)

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.

MISCELLANEOUS (CONT.)

23. REMOVAL OF THE EXISTING STORMWATER MANAGEMENT POND AND REMOVAL/DISPOSAL OF ALL ASSOCIATED PUMPING SYSTEM EQUIPMENT AROUND STATION 617+00 SHALL BE PAID FOR UNDER ITEM 201000- CLEARING AND GRUBBING. IF HAZMAT IS ENCOUNTERED IN THE EXISTING FACILITY, TESTING, REMOVAL, AND DISPOSAL OF CONTAMINATED SOILS SHALL BE APPROVED AND VERIFIED BY THE ENGINEER AND PAID FOR UNDER ITEM 202560 - CONTAMINATED MATERIALS.

24. PROPOSED TIDEWATER RELOCATION AND ASSOCIATED SIDEWALK RECONSTRUCTION ALONG PARKER RUN SHALL BE PERFORMED WITHIN AN EXISTING TIDEWATER EASEMENT. NO ADDITIONAL TEMPORARY CONSTRUCTION EASEMENTS HAVE BEEN ACQUIRED BY DELDOT TO COMPLETE THIS WORK. IMPACTS TO PARKER RUN SHOULD BE MINIMIZED DURING THIS CONSTRUCTION.

25. ON ALL ISLANDS NOT PAID FOR UNDER ITEM 702000 - TRIANGULAR CHANNELIZING ISLAND, DELINEATORS SHALL BE PLACED AT:
    a. THE RADII OF SPLITTER ISLANDS CLOSEST TO THE CENTRAL ISLAND (ITEM 824009 - TUBULAR MARKER, ORANGE, 28")
    b. THE LEADING END OF ROUNDABOUT SPLITTER ISLANDS (ITEM 824007 - TUBULAR MARKER, YELLOW, 28")
    b. THE RADII OF EACH END OF PROPOSED MEDIANS ALONG OLD ORCHARD ROAD (ITEM 824007 - TUBULAR MARKER, YELLOW, 28")

26. SEWER VALVES AND CLEANOUTS MARKED FOR RELOCATION BY CONTRACTOR SHALL BE RELOCATED OUTSIDE OF THE PROPOSED RIGHT-OF-WAY, AS DIRECTED BY SUSSEX COUNTY INSPECTION PERSONNEL. COST FOR ALL WORK AND MATERIALS SHALL BE PAID UNDER ITEM 711001 - ADJUST SANITARY SEWER LATERALS. CONTRACTOR SHALL REFERENCE SUSSEX COUNTY'S STANDARD DETAILS AND SPECIFICATIONS FOR ALL SUSSEX COUNTY SEWER ADJUSTMENTS AND RELOCATIONS.

27. ALL PROPOSED UNDERGROUND UTILITIES SHOWN ON PLANS FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR SHALL INSTALL PROPOSED TIDEWATER FACILITY RELOCATIONS PER PLAN SHEETS 204-214. CONTRACTOR SHALL OBTAIN CONSTRUCTION AS-BUILT PLANS TO VERIFY ALL ADVANCED UTILITY RELOCATIONS INSTALLED BY OTHERS (CHESAPEAKE GAS, VERIZON, COMCAST, CROWN CASTLE, DLP, DEC).

ADDENDA / REVISIONS		NOT TO SCALE	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT	T201609601	BRIDGE NO.	N/A	NOTES	SECTION	WRA
				COUNTY	SUSSEX	DESIGNED BY:	J. SINCLAIR		SHEET NO.	5
						CHECKED BY:	V. KOWALSKI			

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FOR INFORMATION ONLY
EARTHWORK SUMMARY

	OLD ORCHARD ROAD/WESCOATS	SAVANNAH ROAD	MARSH ROAD	CLAY ROAD	
	STA. 599+48 TO STA. 643+50 SEE NOTE 4	STA. 503+80 TO STA. 517+10 SEE NOTE 5	STA. 1101+00 TO STA. 1117+25	STA. 1200+00 TO STA. 1207+41	PROJECT TOTALS
EXCAVATION - ITEM 202000 (CY) [NEED = '-' / EXCESS = '+']					
EX01 : FROM CROSS SECTIONS / MODELS (+)	12,402	3,231	5,263	573	21,469
EX02 : BITUMINOUS PAVEMENT REMOVED IN FILL SECTIONS (+) (See Note 3)	940	477	405	261	2,083
EX03 : TOPSOIL REMOVED UNDER FILL SECTIONS (+) (See Note 1)	4,233	220	621	115	5,189
EX04 : TOPSOIL PLACED IN CUT SECTIONS (+) (Topsoil depth included in template)	0	0	0	0	0
EX05 : ROOT MAT REMOVED IN CUT SECTIONS (-)	9	0	0	0	9
EX06 : CURB AND/OR CURB AND GUTTER EXCAVATION (-) (Included in EX01)	0	0	0	0	0
EX07 : UNDERDRAIN EXCAVATION (-) (Excluded from Inroads normal cut quantity)	0	0	0	0	0
EX08 : ROCK EXCAVATION (-)	0	0	0	0	0
EX09 : REMOVAL OF PCC PAVEMENT, CURBS, SIDEWALK, ETC. (-) (Excavation paid under 211001)	1,484	387	6	0	1,877
EXTOTAL : TOTAL EXCAVATION	16,082	3,541	6,283	949	26,855
STORMWATER MANAGEMENT POND EXCAVATION - ITEM 910008 (CY) [NEED = '-' / EXCESS = '+']					
SWEX01 : FROM CROSS SECTIONS / MODELS (+)	6,788	0	0	0	6,788
SWEX02 : TOPSOIL REMOVED UNDER FILL SECTIONS (+)	0	0	0	0	0
SWEX03 : TOPSOIL PLACED IN CUT SECTIONS (+) (volume included in SWEX01)	0	0	0	0	0
SWEX04 : ROOT MAT REMOVED (-)	0	0	0	0	0
SWEX05 : ROCK EXCAVATION (-)	0	0	0	0	0
SWEXTOTAL : TOTAL STORMWATER MANAGEMENT POND EXCAVATION	6,788	0	0	0	6,788
EXCAVATION AVAILABLE FOR EMBANKMENT (CY) [NEED = '-' / EXCESS = '+']					
EXTOTAL : TOTAL EXCAVATION (+) [ITEM 202000]	16,082	3,541	6,283	949	26,855
SWEXTOTAL : TOTAL STORMWATER MANAGEMENT POND EXCAVATION (+) [ITEM 910008]	6,788	0	0	0	6,788
AVEX01 : EXCAVATION AND BACKFILLING FOR STRUCTURES (+) [ITEM 207XXX]	0	0	0	0	0
AVEX02 : PIPE, CUVLERT, AND STRUCTURE EXCAVATION (+) [Item 207002]	3,455	2,250	196	341	6,242
AVEX03 : CHANNEL EXCAVATION (+) [ITEM 203000]	0	0	0	0	0
AVEX04 : POLE BASES EXCAVATION (+) [ITEM 834003, 834005, 834006]	59	0	0	0	59
AVEX05 : EXCAVATION FROM CURBS AND/OR CURB AND GUTTER (+) (included in Template)	0	0	0	0	0
AVEX06 : EXCAVATION FROM UNDERDRAINS (+) [ITEM 709001]	401	117	0	43	561
AVEX07 : MISCELLANEOUS EXCAVATIONS (+) (INFILTRATION TRENCH ITEM 910009)	261	0	200	123	584
AVEX08 : TOPSOIL REMOVED IN CUT AND/OR FILL SECTIONS (-)	7,680	620	2,399	189	10,888
AVEX09 : TOPSOIL REMOVED IN CUT AND/OR FILL SECTIONS FOR STORMWATER MANAGEMENT PONDS (-)	950	0	0	0	950
AVEX10: UNSUITABLE MATERIALS (-)	1,403	1,876	1,557	551	5,387
AVEXTOTAL : TOTAL EXCAVATION AVAILABLE FOR EMBANKMENT	17,013	3,412	2,723	716	23,864
EMBANKMENT AND BORROW, TYPE 'F' REQUIRED (CY) [NEED = '-' / EXCESS = '+']					
EMRF01 : FROM CROSS SECTIONS / MODEL (+) [EMBANKMENT REQUIRED BELOW SUBGRADE OR CAPPING]	8,898	519	1,065	339	10,821
EMRF02 : TOPSOIL REMOVED UNDER FILL (+)	4,233	220	621	115	5,189
EMRF03 : ROOT MAT REMOVED UNDER FILL (+)	0	0	0	0	0
EMRF04 : UNSUITABLE MATERIAL REMOVED UNDER FILL (+)	0	0	0	0	0
EMRF05 : PCC REMOVED UNDER FILL (+)	0	0	0	0	0
EMRF06 : BITUMINOUS PAVEMENT REMOVED UNDER FILL (+)	584	477	405	261	1,727
EMRF07 : TOPSOIL TO BE PLACED IN FILL (+) (Inclded in EMRF01)	0	0	0	0	0
EMRF08 : SUBTOTAL OF EMBANKMENT AND BORROW, TYPE 'F' REQUIRED	13,715	1,216	2,091	715	17,737
EMRF09 : COMPACTION FACTOR APPLIED TO THE SUBTOTAL (%)	1.2	1.2	1.2	1.2	
EMRFTOTAL : TOTAL EMBANKMENT AND BORROW, TYPE 'F' REQUIRED	16,458	1,459	2,509	858	21,284
TOPSOIL SUMMARY (CY) [NEED = '-' / EXCESS = '+']					
TOP01 ; TOPSOIL SALVAGED FROM CUT SECTIONS (+)	3,448	401	1,778	74	5,701
TOP02 : TOPSOIL SALVAGED FROM FILL SECTIONS (+)	4,233	220	621	115	5,189
TOP03 : TOPSOIL SALVAGED FROM STORMWATER MANAGEMENT PONDS (+)	950	0	0	0	950
TOP04 : TOPSOIL REQUIRED (-) (calculated from plan view areaa)	4,623	474	983	262	6,342
TOPTOTAL : TOTAL TOPSOIL	-2,465	-319	-383	-215	-3,382
MATERIAL BALANCE (CY) [NEED = '-' / EXCESS = '+']					
BORROW, TYPE 'A'	-1,261	0	-467	-143	-1,871
BORROW, TYPE 'B'	-3,223	0	0	0	-3,223
BORROW, TYPE 'C'	-447	-325	-24	-43	-839
BORROW, TYPE 'F' (Assume 60% of EMRFTOTAL is Suitable)	-7,952	247	-1,148	-357	-9,209
TOPSOIL (Assume 25% of Topsoil Salvaged is Suitable)	-2,465	-319	-383	-215	-3,382
UNSUITABLE MATERIAL (40% AVEXTotal plus 75% Topsoil Salvaged plus Bituminous Pavement Removed)	16,383	4,048	4,718	1,051	26,199

Notes:
1. Assumed all topsoil under fill is stripped.
4. Includes Wescoats Road, Old Orchard Road, Austin Street and Access Road 1
5. Includes Savannah Road and Old Orchard Road West sidewalk and new commercial entrance

ADDENDA / REVISIONS		NOT TO SCALE	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT	BRIDGE NO.	N/A	NOTES	SECTION
				T201609601	DESIGNED BY: J. SINCLAIR			WRA
				COUNTY	CHECKED BY: V. KOWALSKI			SHEET NO.
				SUSSEX				6

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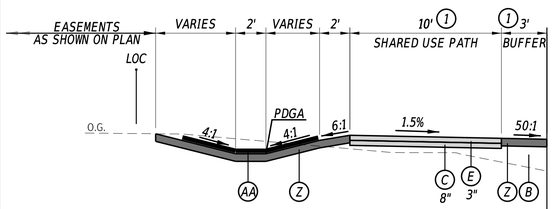
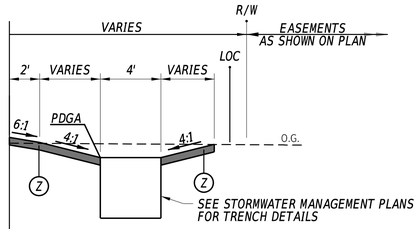
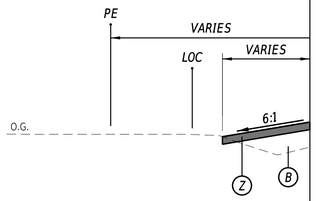


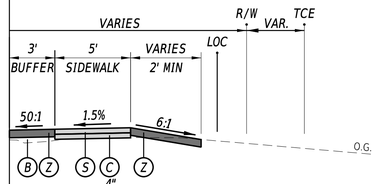
STA. 604+99 TO STA. 605+30
STA. 1105+46 TO STA. 1106+45



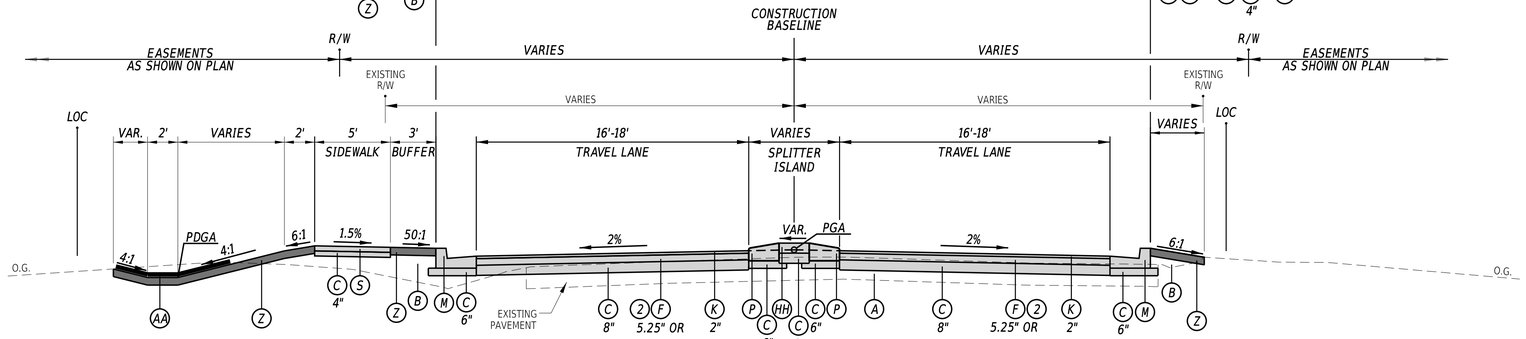
STATION 1107+79 TO
STATION 1108+76



STA. 602+68 TO
STA. 603+67



STA. 604+99 TO
STA. 605+30

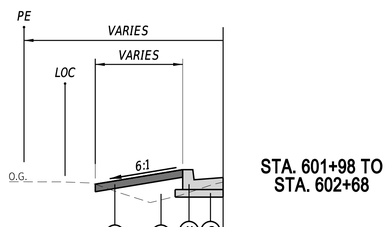


(1) SHARED USE PATH TAPERS FROM 10' TO 8' FROM STA. 604+99 TO STA. 605+50 AND BUFFER TAPERS FROM 3' TO 0' FROM STA. 604+99 TO STA. 605+19

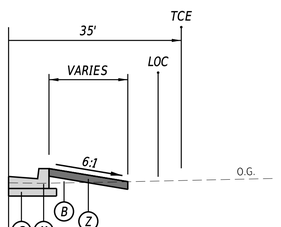
(2) 5.25" TYPE B ALONG MARSH ROAD APPROACH AND 6.75" TYPE B ALONG WESCOATS ROAD APPROACH.

TYPICAL NORMAL SECTION - ROUNDABOUT APPROACHES

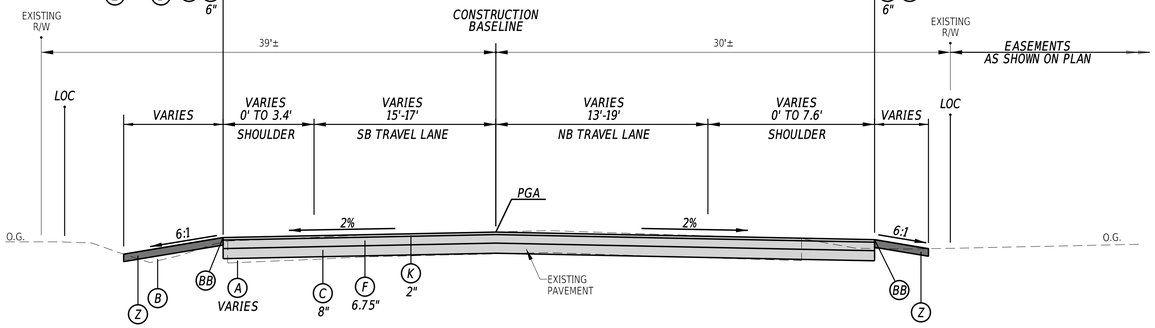
STATION 602+68 TO STATION 603+67 (WESCOATS ROAD)
STATION 604+99 TO STATION 605+30 (WESCOATS ROAD)
STATION 1105+46 TO STATION 1106+45 (MARSH ROAD)
STATION 1107+79 TO STATION 1108+76 (MARSH ROAD)



STA. 601+98 TO
STA. 602+68



STA. 601+98 TO
STA. 602+68



TYPICAL NORMAL SECTION - WESCOATS ROAD

STATION 601+31 TO STATION 602+68

LEGEND

- (A) ITEM 209001 - BORROW, TYPE A
- (B) ITEM 209006 - BORROW, TYPE F
- (C) ITEM 301001 - GABC
- (D) ITEM 301002 - GABC, PATCHING
- (E) ITEM 401005 - SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)
- (F) ITEM 401016 - SUPERPAVE TYPE B, PG 76-22
- (G) ITEM 401014 - SUPERPAVE TYPE B, PG 64-22
- (H) ITEM 401029 - SUPERPAVE TYPE C, PG 64-22, PATCHING
- (I) ITEM 401030 - SUPERPAVE TYPE B, PG 64-22, PATCHING
- (K) ITEM 401046 - SUPERPAVE TYPE C, PG 76-22 (NON-CARBONATE STONE)
- (L) ITEM 701013 - PCC CURB, TYPE 1-8
- (M) ITEM 701018 - I.PCC CURB AND GUTTER, TYPE 1-8
- (N) ITEM 701023 - I.PCC CURB AND GUTTER, TYPE 3-8
- (P) ITEM 701025 - PCC CURB TYPE 2 ROUNDABOUT
- (Q) ITEM 701027 - PCC CURB, TYPE 1-2 ROUNDABOUT
- (R) ITEM 701500 - PCC CURB, TYPE 1, MODIFIED (MAX HT 12")
- (S) ITEM 705001 - PCC SIDEWALK, 4"
- (T) ITEM 705002 - PCC SIDEWALK, 6"
- (U) ITEM 705005 - PCC SIDEWALK, 8"
- (V) ITEM 709001 - PERFORATED PIPE UNDERDRAINS, 6" (WHERE SHOWN ON PLANS)
- (X) ITEM 908005 - TOPSOIL, 12" DEPTH
  ITEM 908501 - NATIVE GRASS SEEDING, NO MOW MIX
- (Y) ITEM 760012 - PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, VARIABLE DEPTH
- (Z) ITEM 908004 - TOPSOIL, 6" DEPTH
  ITEM 908016 - PERMANENT GRASS SEEDING, SUBDIVISION
  ITEM 908026 - EROSION CONTROL MULCH
- (AA) ITEM 908020 - EROSION CONTROL BLANKET MULCH (8' MIN. WIDTH)
- (BB) SAFETY EDGE (INCIDENTAL TO RESPECTIVE SUPERPAVE ITEMS)
- (CC) ITEM 401036 - SUPERPAVE TYPE C, PG 64-22, WEDGE
- (EE) ITEM 701010 - PCC CURB, TYPE 1-2
- (FF) ITEM 701012 - PCC CURB, TYPE 1-6
- (GG) ITEM 701022 - I.PCC CURB AND GUTTER, TYPE 3-6
- (HH) ITEM 705521 - PATTERNED PCC SIDEWALK, 8" (RED, 4"x8" HERRINGBONE PATTERN)
- (JJ) ITEM 302005 - DELAWARE NO. 57 STONE
- (KK) ITEM 708002 - GEOTEXTILES, SEPARATION

MATERIAL TYPE	BINDER GRADE	LIFT THICKNESS (IN)	
		MINIMUM	MAXIMUM
TYPE C (4.75 MM MIX)	ALL	0.5	1.0
TYPE C (9.5 MM MIX)	ALL	1.25	2.0
TYPE C (12.5 MM MIX)	ALL	1.5	2.0
TYPE B (19 MM MIX)	76-22, 70-22	2.25	4.0
TYPE B (19 MM MIX)	64-22	2.25	6.0
TYPE BCBC (25 MM MIX)	64-22	3.0	6.0
GABC	-	4.0	8.0

NOTES:

1. PGA - POINT OF GRADE APPLICATION
   PDGA - POINT OF DITCH GRADE APPLICATION
   P/R - POINT OF ROTATION
2. THE PGA IS APPLIES TO THE TOP OF THE FINAL PAVEMENT SURFACE. IN AREAS WHERE THE PGA IS LOCATED WITHIN THE RAISED MEDIAN, ITS VERTICAL LOCATION SHALL BE THE TOP OF ADJACENT PAVEMENT ELEVATION PROJECTED AT THE PROPOSED CROSS SLOPE TO THE CONSTRUCTION BASELINE.
3. LATERAL OFFSET IS A MINIMUM OF 4' BEHIND THE FACE OF CURB ALONG THE ROADWAY AND 6' BEHIND THE FACE OF CURB AT INTERSECTIONS AND ENTRANCES. REFER TO THE CONSTRUCTION PLAN SHEETS FOR THE LOCATION OF THE CLEAR ZONE AREA LIMITS.
4. WHEN PROPOSED WIDENING IS LESS THAN 4', USE PROPOSED PATCHING PAVEMENT ITEMS AT THE SAME DEPTH AS INDICATED ON TYPICAL SECTION.
5. EXISTING PAVEMENT:
   WESCOATS ROAD - CONCRETE WITH HOT MIX OVERLAY
   MARSH ROAD - HOT MIX ASPHALT
   CLAY ROAD - HOT MIX ASPHALT
   SAVANNAH ROAD - CONCRETE WITH HOT MIX OVERLAY
   OLD ORCHARD ROAD - HOT MIX ASPHALT
   AUSTIN STREET- HOT MIX ASPHALT
6. BORROW TYPE 'A' SHALL BE USED AS FILL UNDER ROADWAY FOOTPRINT. MATERIAL MEETING BORROW TYPE 'F' SHALL BE USED OUTSIDE OF ROADWAY FOOTPRINT. ROADWAY FOOTPRINT IS DEFINED AS OUTSIDE EDGE OF ROADWAY PAVEMENT OR CURB AND GUTTER. USE OF BORROW TYPE 'A' SHALL BE LIMITED TO A MAXIMUM OF 1 FOOT BELOW PAVEMENT SUBGRADE WHERE EXISTING MATERIAL DOES NOT MEET THE REQUIREMENTS OF BORROW TYPE 'A'. BORROW TYPE 'B' WITH GEOTEXTILES, SEPARATION SHALL BE USED FOR BACKFILLING UNDERCUT AREAS AS DIRECTED BY THE ENGINEER. BORROW TYPE 'F' SHALL BE USED UNDER BORROW TYPE 'A' IN AREAS WITHOUT UNDERCUT EXCAVATION.

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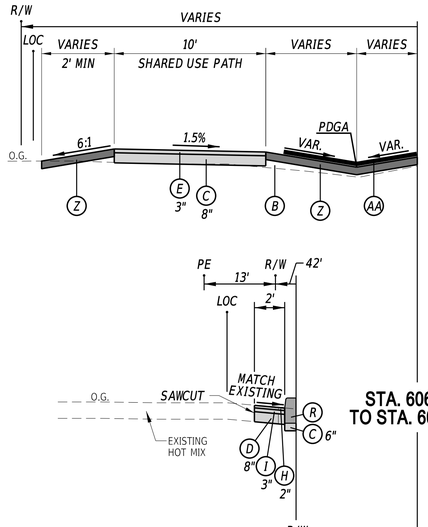
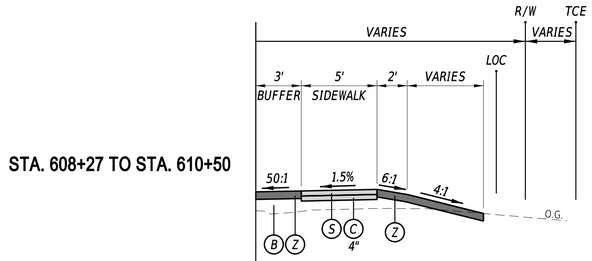
ADDENDA / REVISIONS	NOT TO SCALE	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	TYPICAL SECTIONS	SECTION WRA
			COUNTY SUSSEX	DESIGNED BY: J. SINCLAIR		SHEET NO. 7
				CHECKED BY: V. KOWALSKI		



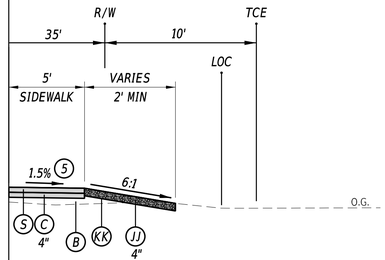
STA. 608+39 TO STA. 610+50 (6)

STA. 606+74 TO STA. 607+61

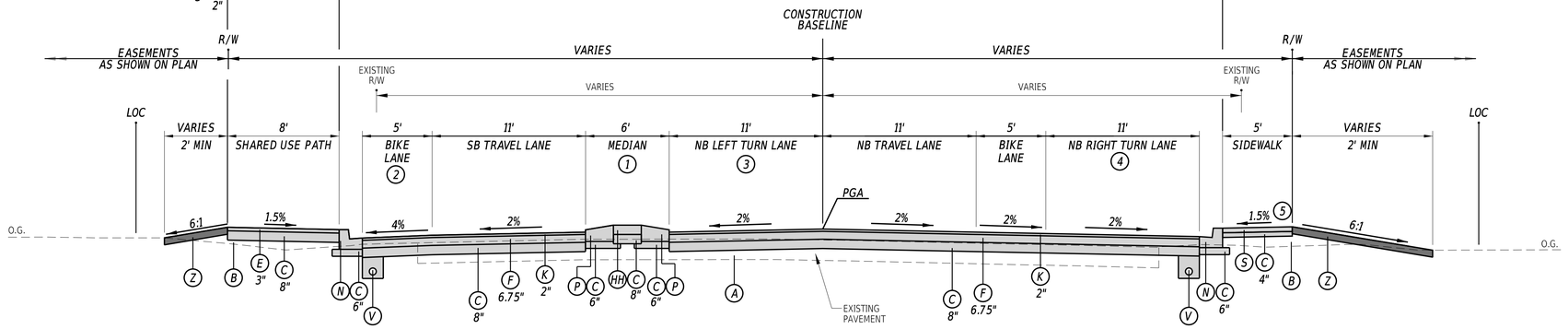
(6) *SEE GG-02 AND DT-10 FOR GRADES AND GEOMETRICS OF WESCOATS SHARED USE PATH.*



STA. 608+27 TO STA. 610+50



STA. 605+76 TO STA. 607+33



TYPICAL NORMAL SECTION - WESCOATS ROAD

STATION 605+30 TO STATION 610+50

(1) *4' MEDIAN FROM STA. 606+79 TO STA. 610+50*

(2) *BIKE LANE BEGINS AT STA. 606+79*

(3) *LEFT TURN LANE WIDENS FROM 0' TO 12' FROM STA. 605+51 TO STA. 606+79*

(4) *BIKE LANE AND RIGHT TURN LANE BEGINS AT STA. 606+79*

(5) *TRANSITION SIDEWALK FROM 1.5% TO -1.5% FROM STA. 605+41 TO STA. 605+91*
SIDEWALK -1.5% FROM STA. 605+91 TO STA. 607+33
TRANSITION SIDEWALK FROM -1.5% TO 1.5% FROM STA. 607+33 TO STA. 607+83

LEGEND

- (A) ITEM 209001 - BORROW, TYPE A
- (B) ITEM 209006 - BORROW, TYPE F
- (C) ITEM 301001 - GABC
- (D) ITEM 301002 - GABC, PATCHING
- (E) ITEM 401005 - SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)
- (F) ITEM 401016 - SUPERPAVE TYPE B, PG 76-22
- (G) ITEM 401014 - SUPERPAVE TYPE B, PG 64-22
- (H) ITEM 401029 - SUPERPAVE TYPE C, PG 64-22, PATCHING
- (I) ITEM 401030 - SUPERPAVE TYPE B, PG 64-22, PATCHING
- (K) ITEM 401046 - SUPERPAVE TYPE C, PG 76-22 (NON-CARBONATE STONE)
- (L) ITEM 701013 - PCC CURB, TYPE 1-8
- (M) ITEM 701018 - I.PCC CURB AND GUTTER, TYPE 1-8
- (N) ITEM 701023 - I.PCC CURB AND GUTTER, TYPE 3-8
- (P) ITEM 701025 - PCC CURB TYPE 2 ROUNDABOUT
- (Q) ITEM 701027 - PCC CURB, TYPE 1-2 ROUNDABOUT
- (R) ITEM 701500 - PCC CURB, TYPE 1, MODIFIED (MAX HT 12")
- (S) ITEM 705001 - PCC SIDEWALK, 4"
- (T) ITEM 705002 - PCC SIDEWALK, 6"
- (U) ITEM 705005 - PCC SIDEWALK, 8"
- (V) ITEM 709001 - PERFORATED PIPE UNDERDRAINS, 6" (WHERE SHOWN ON PLANS)
- (X) ITEM 908005 - TOPSOIL, 12" DEPTH
  ITEM 908501 - NATIVE GRASS SEEDING, NO MOW MIX
- (Y) ITEM 760012 - PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, VARIABLE DEPTH
- (Z) ITEM 908004 - TOPSOIL, 6" DEPTH
  ITEM 908016 - PERMANENT GRASS SEEDING, SUBDIVISION
  ITEM 908026 - EROSION CONTROL MULCH
- (AA) ITEM 908020 - EROSION CONTROL BLANKET MULCH (8' MIN. WIDTH)
- (BB) SAFETY EDGE (INCIDENTAL TO RESPECTIVE SUPERPAVE ITEMS)
- (CC) ITEM 401036 - SUPERPAVE TYPE C, PG 64-22, WEDGE
- (EE) ITEM 701010 - PCC CURB, TYPE 1-2
- (FF) ITEM 701012 - PCC CURB, TYPE 1-6
- (GG) ITEM 701022 - I.PCC CURB AND GUTTER, TYPE 3-6
- (HH) ITEM 705521 - PATTERNED PCC SIDEWALK, 8" (RED, 4"x8" HERRINGBONE PATTERN)
- (JJ) ITEM 302005 - DELAWARE NO. 57 STONE
- (KK) ITEM 708002 - GEOTEXTILES, SEPARATION

MATERIAL TYPE	BINDER GRADE	LIFT THICKNESS (IN)	
		MINIMUM	MAXIMUM
TYPE C (4.75 MM MIX)	ALL	0.5	1.0
TYPE C (9.5 MM MIX)	ALL	1.25	2.0
TYPE C (12.5 MM MIX)	ALL	1.5	2.0
TYPE B (19 MM MIX)	76-22, 70-22	2.25	4.0
TYPE B (19 MM MIX)	64-22	2.25	6.0
TYPE BCBC (25 MM MIX)	64-22	3.0	6.0
GABC	-	4.0	8.0

NOTES:

1. *PGA - POINT OF GRADE APPLICATION*
   PDGA - POINT OF DITCH GRADE APPLICATION
   P/R - POINT OF ROTATION
2. *THE PGA IS APPLIES TO THE TOP OF THE FINAL PAVEMENT SURFACE. IN AREAS WHERE THE PGA IS LOCATED WITHIN THE RAISED MEDIAN, ITS VERTICAL LOCATION SHALL BE THE TOP OF ADJACENT PAVEMENT ELEVATION PROJECTED AT THE PROPOSED CROSS SLOPE TO THE CONSTRUCTION BASELINE.*
3. *LATERAL OFFSET IS A MINIMUM OF 4' BEHIND THE FACE OF CURB ALONG THE ROADWAY AND 6' BEHIND THE FACE OF CURB AT INTERSECTIONS AND ENTRANCES. REFER TO THE CONSTRUCTION PLAN SHEETS FOR THE LOCATION OF THE CLEAR ZONE AREA LIMITS.*
4. *WHEN PROPOSED WIDENING IS LESS THAN 4', USE PROPOSED PATCHING PAVEMENT ITEMS AT THE SAME DEPTH AS INDICATED ON TYPICAL SECTION.*
5. *EXISTING PAVEMENT:*
   WESCOATS ROAD - CONCRETE WITH HOT MIX OVERLAY
   MARSH ROAD - HOT MIX ASPHALT
   CLAY ROAD - HOT MIX ASPHALT
   SAVANNAH ROAD - CONCRETE WITH HOT MIX OVERLAY
   OLD ORCHARD ROAD - HOT MIX ASPHALT
   AUSTIN STREET- HOT MIX ASPHALT
6. *BORROW TYPE 'A' SHALL BE USED AS FILL UNDER ROADWAY FOOTPRINT. MATERIAL MEETING BORROW TYPE 'F' SHALL BE USED OUTSIDE OF ROADWAY FOOTPRINT. ROADWAY FOOTPRINT IS DEFINED AS OUTSIDE EDGE OF ROADWAY PAVEMENT OR CURB AND GUTTER. USE OF BORROW TYPE 'A' SHALL BE LIMITED TO A MAXIMUM OF 1 FOOT BELOW PAVEMENT SUBGRADE WHERE EXISTING MATERIAL DOES NOT MEET THE REQUIREMENTS OF BORROW TYPE 'A'. BORROW TYPE 'B' WITH GEOTEXTILES, SEPARATION SHALL BE USED FOR BACKFILLING UNDERCUT AREAS AS DIRECTED BY THE ENGINEER. BORROW TYPE 'F' SHALL BE USED UNDER BORROW TYPE 'A' IN AREAS WITHOUT UNDERCUT EXCAVATION.*

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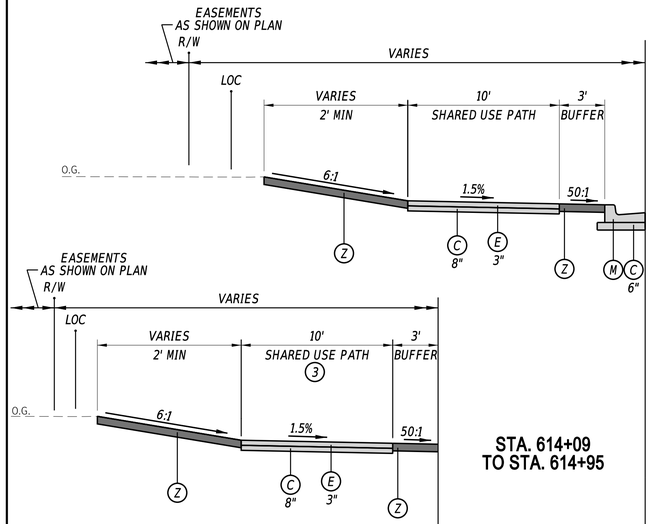
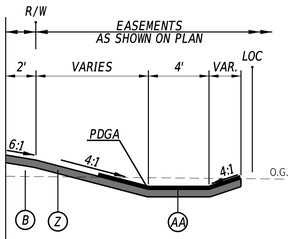
ADDENDA / REVISIONS		NOT TO SCALE	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT	T201609601	BRIDGE NO.	N/A	TYPICAL SECTIONS	SECTION	WRA
				COUNTY	SUSSEX	DESIGNED BY:	J. SINCLAIR		SHEET NO.	8
						CHECKED BY:	V. KOWALSKI			

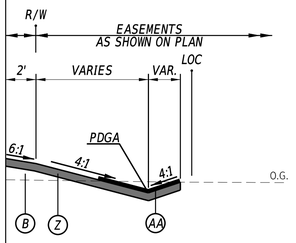


STA. 614+95 TO STA. 616+00

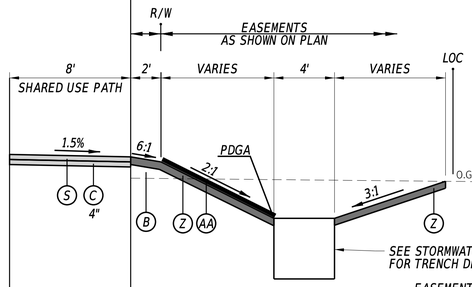
STA. 614+09 TO STA. 614+95



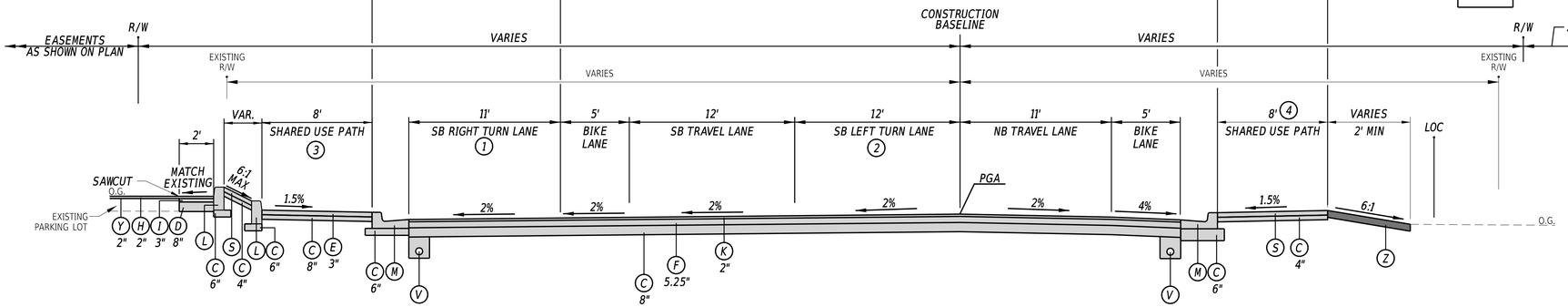
STA. 615+31 TO STA. 616+00



STA. 613+07 TO STA. 615+31



STA. 612+23 TO STA. 613+07



TYPICAL NORMAL SECTION - OLD ORCHARD ROAD
STATION 611+50 TO STATION 616+00

(1) *RIGHT TURN LANE TAPERS FROM 11' TO 0' FROM STA. 613+95 TO STA. 614+95*

(2) *LEFT TURN LANE TAPERS FROM 12' TO 0' FROM STA. 615+00 TO STA. 616+00. STRIPED MEDIAN IN THIS PLACE.*

(3) *SHARED USE PATH TAPERS FROM 8' TO 10' AND BUFFER TAPERS FROM 0' TO 3' FROM STA. 613+95 TO STA. 614+95*

(4) *SIDEWALK TRANSITIONS FROM 1.5% TO -1.5% FROM STA. 612+00 TO STA. 612+20.*

SIDEWALK TRANSITIONS FROM -1.5% TO 1.5% FROM STA. 613+30 TO STA. 613+50.

LEGEND

- (A) *ITEM 209001 - BORROW, TYPE A*
- (B) *ITEM 209006 - BORROW, TYPE F*
- (C) *ITEM 301001 - GABC*
- (D) *ITEM 301002 - GABC, PATCHING*
- (E) *ITEM 401005 - SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)*
- (F) *ITEM 401016 - SUPERPAVE TYPE B, PG 76-22*
- (G) *ITEM 401014 - SUPERPAVE TYPE B, PG 64-22*
- (H) *ITEM 401029 - SUPERPAVE TYPE C, PG 64-22, PATCHING*
- (I) *ITEM 401030 - SUPERPAVE TYPE B, PG 64-22, PATCHING*
- (K) *ITEM 401046 - SUPERPAVE TYPE C, PG 76-22 (NON-CARBONATE STONE)*
- (L) *ITEM 701013 - PCC CURB, TYPE 1-8*
- (M) *ITEM 701018 - I.PCC CURB AND GUTTER, TYPE 1-8*
- (N) *ITEM 701023 - I.PCC CURB AND GUTTER, TYPE 3-8*
- (P) *ITEM 701025 - PCC CURB TYPE 2 ROUNDABOUT*
- (Q) *ITEM 701027 - PCC CURB, TYPE 1-2 ROUNDABOUT*
- (R) *ITEM 701500 - PCC CURB, TYPE 1, MODIFIED (MAX HT 12")*
- (S) *ITEM 705001 - PCC SIDEWALK, 4"*
- (T) *ITEM 705002 - PCC SIDEWALK, 6"*
- (U) *ITEM 705005 - PCC SIDEWALK, 8"*
- (V) *ITEM 709001 - PERFORATED PIPE UNDERDRAINS, 6" (WHERE SHOWN ON PLANS)*
- (X) *ITEM 908005 - TOPSOIL, 12" DEPTH*
  ITEM 908501 - NATIVE GRASS SEEDING, NO MOW MIX
- (Y) *ITEM 760012 - PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, VARIABLE DEPTH*
- (Z) *ITEM 908004 - TOPSOIL, 6" DEPTH*
  ITEM 908016 - PERMANENT GRASS SEEDING, SUBDIVISION
  ITEM 908026 - EROSION CONTROL MULCH
- (AA) *ITEM 908020 - EROSION CONTROL BLANKET MULCH (8' MIN. WIDTH)*
- (BB) *SAFETY EDGE (INCIDENTAL TO RESPECTIVE SUPERPAVE ITEMS)*
- (CC) *ITEM 401036 - SUPERPAVE TYPE C, PG 64-22, WEDGE*
- (EE) *ITEM 701010 - PCC CURB, TYPE 1-2*
- (FF) *ITEM 701012 - PCC CURB, TYPE 1-6*
- (GG) *ITEM 701022 - I.PCC CURB AND GUTTER, TYPE 3-6*
- (HH) *ITEM 705521 - PATTERNED PCC SIDEWALK, 8" (RED, 4"x8" HERRINGBONE PATTERN)*
- (JJ) *ITEM 302005 - DELAWARE NO. 57 STONE*
- (KK) *ITEM 708002 - GEOTEXTILES, SEPARATION*

MATERIAL TYPE	BINDER GRADE	LIFT THICKNESS (IN)	
		MINIMUM	MAXIMUM
TYPE C (4.75 MM MIX)	ALL	0.5	1.0
TYPE C (9.5 MM MIX)	ALL	1.25	2.0
TYPE C (12.5 MM MIX)	ALL	1.5	2.0
TYPE B (19 MM MIX)	76-22, 70-22	2.25	4.0
TYPE B (19 MM MIX)	64-22	2.25	6.0
TYPE BCBC (25 MM MIX)	64-22	3.0	6.0
GABC	-	4.0	8.0

NOTES:

1. *PGA - POINT OF GRADE APPLICATION*
   PDGA - POINT OF DITCH GRADE APPLICATION
   P/R - POINT OF ROTATION
2. *THE PGA IS APPLIES TO THE TOP OF THE FINAL PAVEMENT SURFACE. IN AREAS WHERE THE PGA IS LOCATED WITHIN THE RAISED MEDIAN, ITS VERTICAL LOCATION SHALL BE THE TOP OF ADJACENT PAVEMENT ELEVATION PROJECTED AT THE PROPOSED CROSS SLOPE TO THE CONSTRUCTION BASELINE.*
3. *LATERAL OFFSET IS A MINIMUM OF 4' BEHIND THE FACE OF CURB ALONG THE ROADWAY AND 6' BEHIND THE FACE OF CURB AT INTERSECTIONS AND ENTRANCES. REFER TO THE CONSTRUCTION PLAN SHEETS FOR THE LOCATION OF THE CLEAR ZONE AREA LIMITS.*
4. *WHEN PROPOSED WIDENING IS LESS THAN 4', USE PROPOSED PATCHING PAVEMENT ITEMS AT THE SAME DEPTH AS INDICATED ON TYPICAL SECTION.*
5. *EXISTING PAVEMENT:*
   WESCOATS ROAD - CONCRETE WITH HOT MIX OVERLAY
   MARSH ROAD - HOT MIX ASPHALT
   CLAY ROAD - HOT MIX ASPHALT
   SAVANNAH ROAD - CONCRETE WITH HOT MIX OVERLAY
   OLD ORCHARD ROAD - HOT MIX ASPHALT
   AUSTIN STREET- HOT MIX ASPHALT
6. *BORROW TYPE 'A' SHALL BE USED AS FILL UNDER ROADWAY FOOTPRINT. MATERIAL MEETING BORROW TYPE 'F' SHALL BE USED OUTSIDE OF ROADWAY FOOTPRINT. ROADWAY FOOTPRINT IS DEFINED AS OUTSIDE EDGE OF ROADWAY PAVEMENT OR CURB AND GUTTER. USE OF BORROW TYPE 'A' SHALL BE LIMITED TO A MAXIMUM OF 1 FOOT BELOW PAVEMENT SUBGRADE WHERE EXISTING MATERIAL DOES NOT MEET THE REQUIREMENTS OF BORROW TYPE 'A'. BORROW TYPE 'B' WITH GEOTEXTILES, SEPARATION SHALL BE USED FOR BACKFILLING UNDERCUT AREAS AS DIRECTED BY THE ENGINEER. BORROW TYPE 'F' SHALL BE USED UNDER BORROW TYPE 'A' IN AREAS WITHOUT UNDERCUT EXCAVATION.*

ADDENDA / REVISIONS		NOT TO SCALE	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT	BRIDGE NO.	N/A	TYPICAL SECTIONS	SECTION
				T201609601				WRA
				COUNTY	DESIGNED BY:	J. SINCLAIR		SHEET NO.
				SUSSEX	CHECKED BY:	V. KOWALSKI		9

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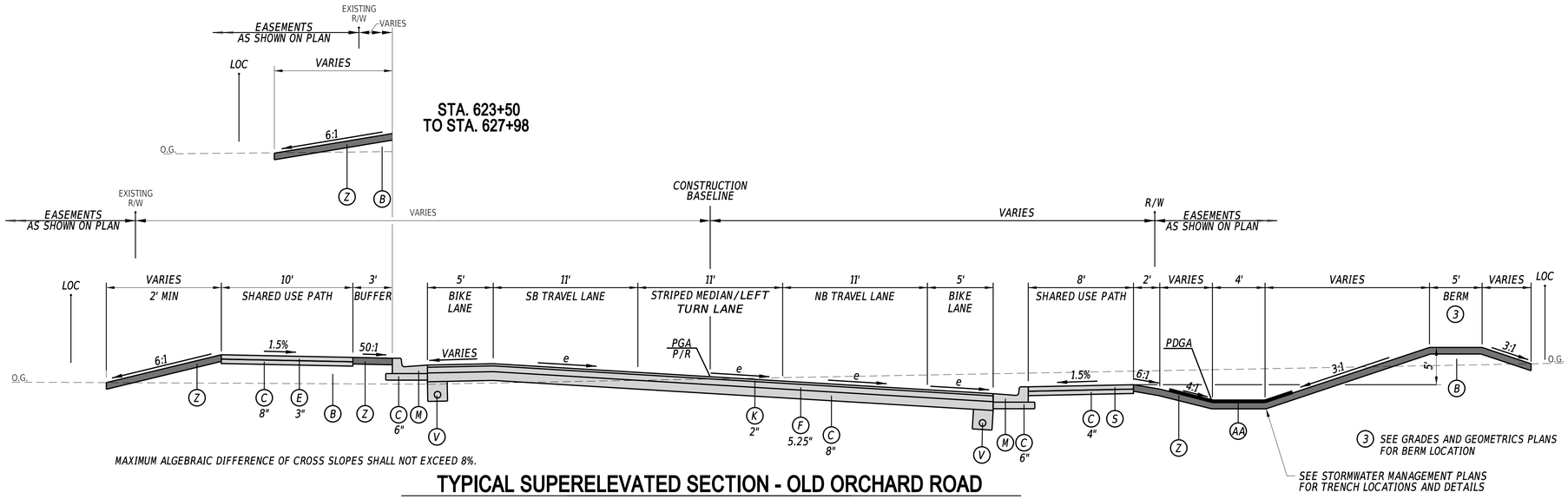
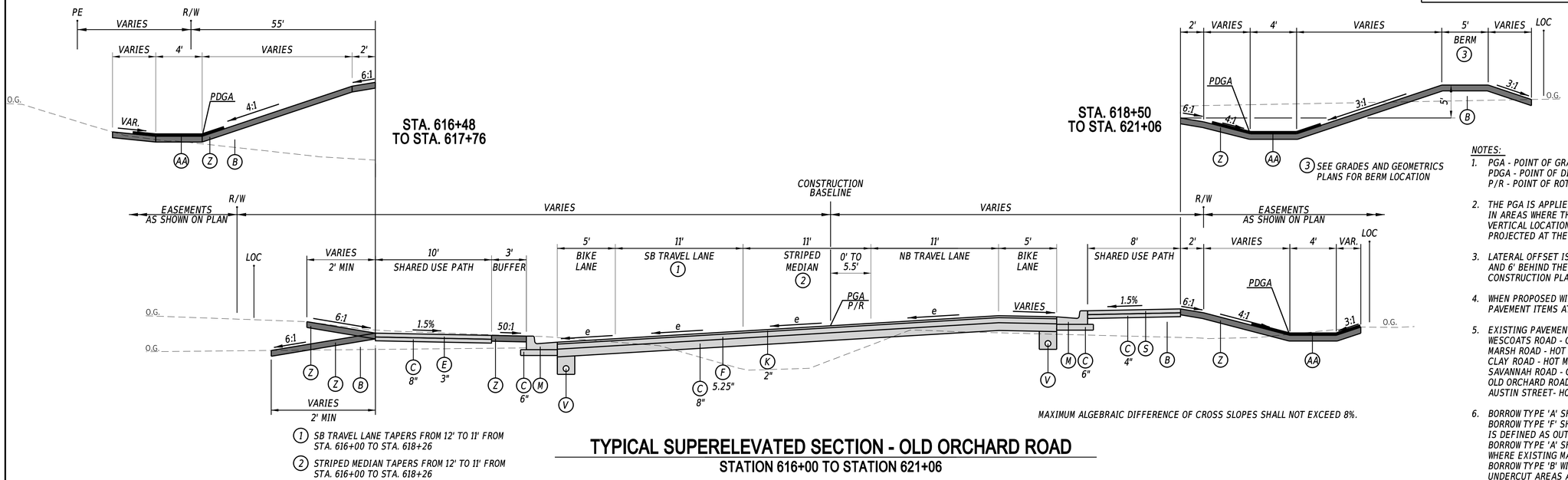


TYPICAL SUPERELEVATED SECTION - OLD ORCHARD ROAD
STATION 621+06 TO STATION 627+98

LEGEND

- (A) ITEM 209001 - BORROW, TYPE A
- (B) ITEM 209006 - BORROW, TYPE F
- (C) ITEM 301001 - GABC
- (D) ITEM 301002 - GABC, PATCHING
- (E) ITEM 401005 - SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)
- (F) ITEM 401016 - SUPERPAVE TYPE B, PG 76-22
- (G) ITEM 401014 - SUPERPAVE TYPE B, PG 64-22
- (H) ITEM 401029 - SUPERPAVE TYPE C, PG 64-22, PATCHING
- (I) ITEM 401030 - SUPERPAVE TYPE B, PG 64-22, PATCHING
- (K) ITEM 401046 - SUPERPAVE TYPE C, PG 76-22 (NON-CARBONATE STONE)
- (L) ITEM 701013 - PCC CURB, TYPE 1-8
- (M) ITEM 701018 - I.PCC CURB AND GUTTER, TYPE 1-8
- (N) ITEM 701023 - I.PCC CURB AND GUTTER, TYPE 3-8
- (P) ITEM 701025 - PCC CURB TYPE 2 ROUNDABOUT
- (Q) ITEM 701027 - PCC CURB, TYPE 1-2 ROUNDABOUT
- (R) ITEM 701500 - PCC CURB, TYPE 1, MODIFIED (MAX HT 12")
- (S) ITEM 705001 - PCC SIDEWALK, 4"
- (T) ITEM 705002 - PCC SIDEWALK, 6"
- (U) ITEM 705005 - PCC SIDEWALK, 8"
- (V) ITEM 709001 - PERFORATED PIPE UNDERDRAINS, 6" (WHERE SHOWN ON PLANS)
- (X) ITEM 908005 - TOPSOIL, 12" DEPTH
  ITEM 908501 - NATIVE GRASS SEEDING, NO MOW MIX
- (Y) ITEM 760012 - PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, VARIABLE DEPTH
- (Z) ITEM 908004 - TOPSOIL, 6" DEPTH
  ITEM 908016 - PERMANENT GRASS SEEDING, SUBDIVISION
  ITEM 908026 - EROSION CONTROL MULCH
- (AA) ITEM 908020 - EROSION CONTROL BLANKET MULCH (8' MIN. WIDTH)
- (BB) SAFETY EDGE (INCIDENTAL TO RESPECTIVE SUPERPAVE ITEMS)
- (CC) ITEM 401036 - SUPERPAVE TYPE C, PG 64-22, WEDGE
- (EE) ITEM 701010 - PCC CURB, TYPE 1-2
- (FF) ITEM 701012 - PCC CURB, TYPE 1-6
- (GG) ITEM 701022 - I.PCC CURB AND GUTTER, TYPE 3-6
- (HH) ITEM 705521 - PATTERNED PCC SIDEWALK, 8" (RED, 4"x8" HERRINGBONE PATTERN)
- (JJ) ITEM 302005 - DELAWARE NO. 57 STONE
- (KK) ITEM 708002 - GEOTEXTILES, SEPARATION



1. SB TRAVEL LANE TAPERS FROM 12' TO 11' FROM STA. 616+00 TO STA. 618+26
2. STRIPED MEDIAN TAPERS FROM 12' TO 11' FROM STA. 616+00 TO STA. 618+26

MAXIMUM ALGEBRAIC DIFFERENCE OF CROSS SLOPES SHALL NOT EXCEED 8%.

TYPICAL SUPERELEVATED SECTION - OLD ORCHARD ROAD
STATION 616+00 TO STATION 621+06

MATERIAL TYPE	BINDER GRADE	LIFT THICKNESS (IN)	
		MINIMUM	MAXIMUM
TYPE C (4.75 MM MIX)	ALL	0.5	1.0
TYPE C (9.5 MM MIX)	ALL	1.25	2.0
TYPE C (12.5 MM MIX)	ALL	1.5	2.0
TYPE B (19 MM MIX)	76-22, 70-22	2.25	4.0
TYPE B (19 MM MIX)	64-22	2.25	6.0
TYPE BCBC (25 MM MIX)	64-22	3.0	6.0
GABC	-	4.0	8.0

NOTES:

1. PGA - POINT OF GRADE APPLICATION
   PDGA - POINT OF DITCH GRADE APPLICATION
   P/R - POINT OF ROTATION
2. THE PGA IS APPLIES TO THE TOP OF THE FINAL PAVEMENT SURFACE. IN AREAS WHERE THE PGA IS LOCATED WITHIN THE RAISED MEDIAN, ITS VERTICAL LOCATION SHALL BE THE TOP OF ADJACENT PAVEMENT ELEVATION PROJECTED AT THE PROPOSED CROSS SLOPE TO THE CONSTRUCTION BASELINE.
3. LATERAL OFFSET IS A MINIMUM OF 4' BEHIND THE FACE OF CURB ALONG THE ROADWAY AND 6' BEHIND THE FACE OF CURB AT INTERSECTIONS AND ENTRANCES. REFER TO THE CONSTRUCTION PLAN SHEETS FOR THE LOCATION OF THE CLEAR ZONE AREA LIMITS.
4. WHEN PROPOSED WIDENING IS LESS THAN 4', USE PROPOSED PATCHING PAVEMENT ITEMS AT THE SAME DEPTH AS INDICATED ON TYPICAL SECTION.
5. EXISTING PAVEMENT:
   WESCOATS ROAD - CONCRETE WITH HOT MIX OVERLAY
   MARSH ROAD - HOT MIX ASPHALT
   CLAY ROAD - HOT MIX ASPHALT
   SAVANNAH ROAD - CONCRETE WITH HOT MIX OVERLAY
   OLD ORCHARD ROAD - HOT MIX ASPHALT
   AUSTIN STREET- HOT MIX ASPHALT
6. BORROW TYPE 'A' SHALL BE USED AS FILL UNDER ROADWAY FOOTPRINT. MATERIAL MEETING BORROW TYPE 'F' SHALL BE USED OUTSIDE OF ROADWAY FOOTPRINT. ROADWAY FOOTPRINT IS DEFINED AS OUTSIDE EDGE OF ROADWAY PAVEMENT OR CURB AND GUTTER. USE OF BORROW TYPE 'A' SHALL BE LIMITED TO A MAXIMUM OF 1 FOOT BELOW PAVEMENT SUBGRADE WHERE EXISTING MATERIAL DOES NOT MEET THE REQUIREMENTS OF BORROW TYPE 'A'. BORROW TYPE 'B' WITH GEOTEXTILES, SEPARATION SHALL BE USED FOR BACKFILLING UNDERCUT AREAS AS DIRECTED BY THE ENGINEER. BORROW TYPE 'F' SHALL BE USED UNDER BORROW TYPE 'A' IN AREAS WITHOUT UNDERCUT EXCAVATION.

ADDENDA / REVISIONS		NOT TO SCALE	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT	BRIDGE NO. N/A	TYPICAL SECTIONS	SECTION
				T201609601	DESIGNED BY: J. SINCLAIR		WRA
				COUNTY	CHECKED BY: V. KOWALSKI		SHEET NO.
				SUSSEX			10

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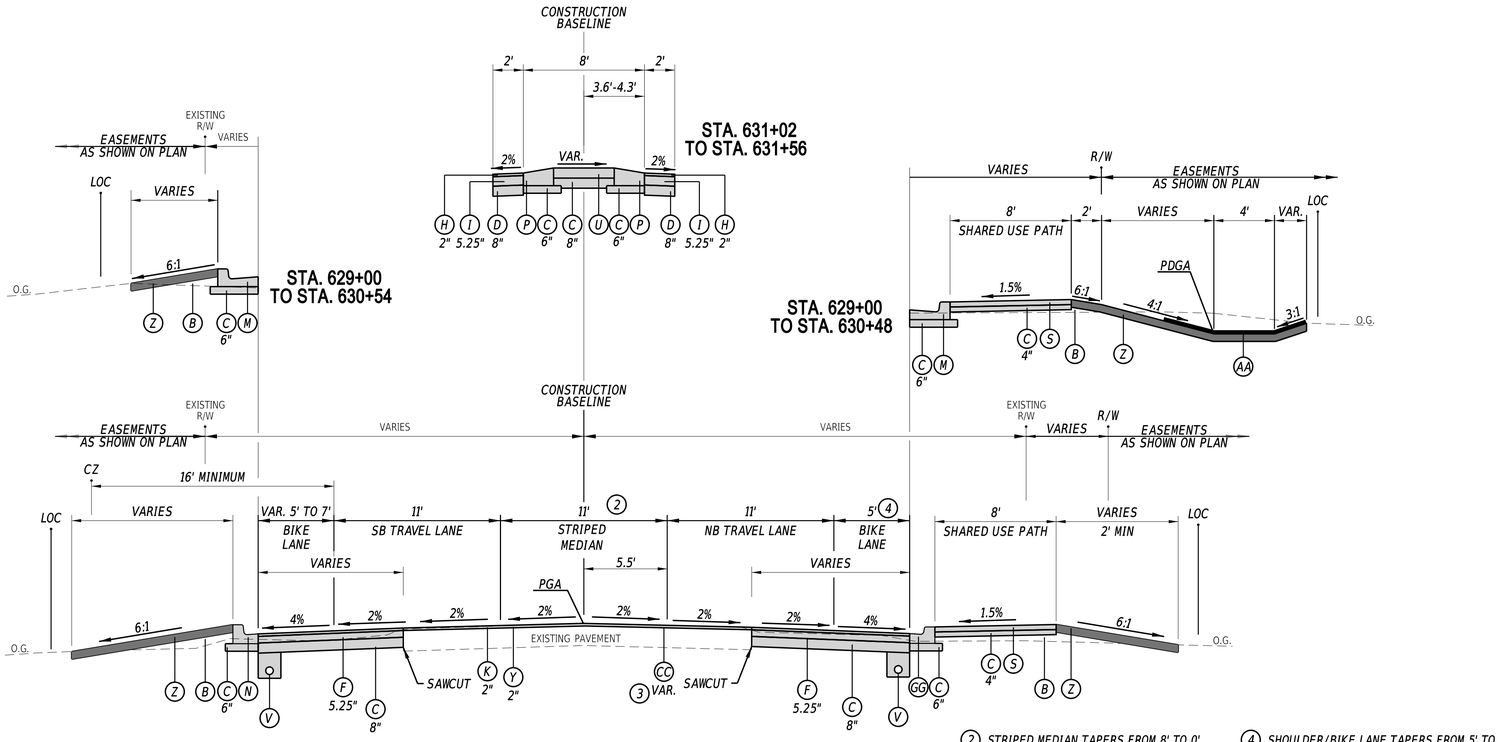


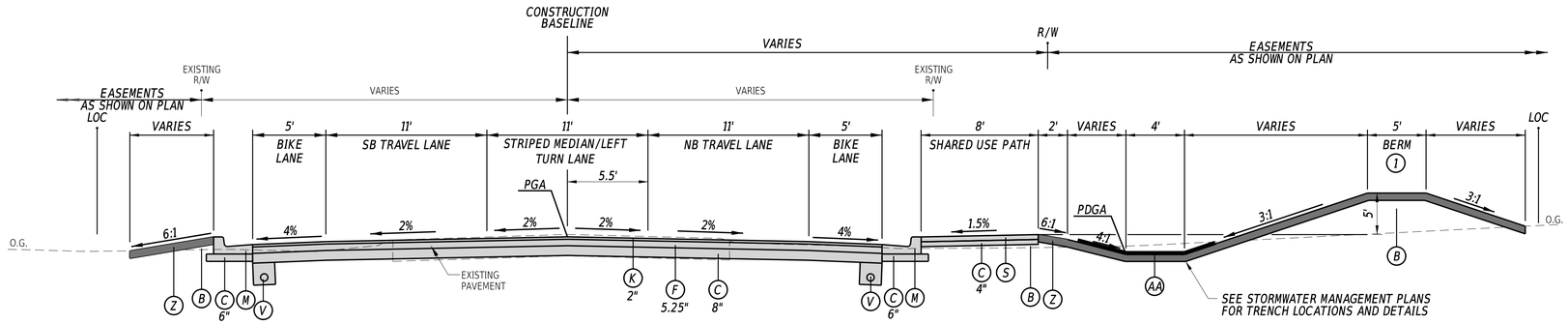
TYPICAL WIDENING SECTION - OLD ORCHARD ROAD

STATION 629+00 TO STATION 634+35

(2) STRIPED MEDIAN TAPERS FROM 8' TO 0' FROM STA. 631+56 TO STA. 634+35.

(3) USE PAVEMENT WEDGE AT VARIABLE DEPTH TO ACHIEVE ROADWAY CROSS SLOPE.

(4) SHOULDER/BIKE LANE TAPERS FROM 5' TO 4' FROM STA. 631+43 TO STA. 634+35.



TYPICAL NORMAL SECTION - OLD ORCHARD ROAD

STATION 627+98 TO STATION 629+00

(1) SEE GRADES AND GEOMETRICS PLANS FOR BERM LOCATION

LEGEND

- (A) ITEM 209001 - BORROW, TYPE A
- (B) ITEM 209006 - BORROW, TYPE F
- (C) ITEM 301001 - GABC
- (D) ITEM 301002 - GABC, PATCHING
- (E) ITEM 401005 - SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)
- (F) ITEM 401016 - SUPERPAVE TYPE B, PG 76-22
- (G) ITEM 401014 - SUPERPAVE TYPE B, PG 64-22
- (H) ITEM 401029 - SUPERPAVE TYPE C, PG 64-22, PATCHING
- (I) ITEM 401030 - SUPERPAVE TYPE B, PG 64-22, PATCHING
- (K) ITEM 401046 - SUPERPAVE TYPE C, PG 76-22 (NON-CARBONATE STONE)
- (L) ITEM 701013 - PCC CURB, TYPE 1-8
- (M) ITEM 701018 - I.PCC CURB AND GUTTER, TYPE 1-8
- (N) ITEM 701023 - I.PCC CURB AND GUTTER, TYPE 3-8
- (P) ITEM 701025 - PCC CURB TYPE 2 ROUNDABOUT
- (Q) ITEM 701027 - PCC CURB, TYPE 1-2 ROUNDABOUT
- (R) ITEM 701500 - PCC CURB, TYPE 1, MODIFIED (MAX HT 12")
- (S) ITEM 705001 - PCC SIDEWALK, 4"
- (T) ITEM 705002 - PCC SIDEWALK, 6"
- (U) ITEM 705005 - PCC SIDEWALK, 8"
- (V) ITEM 709001 - PERFORATED PIPE UNDERDRAINS, 6" (WHERE SHOWN ON PLANS)
- (X) ITEM 908005 - TOPSOIL, 12" DEPTH
  ITEM 908501 - NATIVE GRASS SEEDING, NO MOW MIX
- (Y) ITEM 760012 - PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, VARIABLE DEPTH
- (Z) ITEM 908004 - TOPSOIL, 6" DEPTH
  ITEM 908016 - PERMANENT GRASS SEEDING, SUBDIVISION
  ITEM 908026 - EROSION CONTROL MULCH
- (AA) ITEM 908020 - EROSION CONTROL BLANKET MULCH (8' MIN. WIDTH)
- (BB) SAFETY EDGE (INCIDENTAL TO RESPECTIVE SUPERPAVE ITEMS)
- (CC) ITEM 401036 - SUPERPAVE TYPE C, PG 64-22, WEDGE
- (EE) ITEM 701010 - PCC CURB, TYPE 1-2
- (FF) ITEM 701012 - PCC CURB, TYPE 1-6
- (GG) ITEM 701022 - I.PCC CURB AND GUTTER, TYPE 3-6
- (HH) ITEM 705521 - PATTERNED PCC SIDEWALK, 8" (RED, 4"x8" HERRINGBONE PATTERN)
- (JJ) ITEM 302005 - DELAWARE NO. 57 STONE
- (KK) ITEM 708002 - GEOTEXTILES, SEPARATION

MATERIAL TYPE	BINDER GRADE	LIFT THICKNESS (IN)	
		MINIMUM	MAXIMUM
TYPE C (4.75 MM MIX)	ALL	0.5	1.0
TYPE C (9.5 MM MIX)	ALL	1.25	2.0
TYPE C (12.5 MM MIX)	ALL	1.5	2.0
TYPE B (19 MM MIX)	76-22, 70-22	2.25	4.0
TYPE B (19 MM MIX)	64-22	2.25	6.0
TYPE BCBC (25 MM MIX)	64-22	3.0	6.0
GABC	-	4.0	8.0

NOTES:

1. PGA - POINT OF GRADE APPLICATION
   PDGA - POINT OF DITCH GRADE APPLICATION
   P/R - POINT OF ROTATION
2. THE PGA IS APPLIES TO THE TOP OF THE FINAL PAVEMENT SURFACE. IN AREAS WHERE THE PGA IS LOCATED WITHIN THE RAISED MEDIAN, ITS VERTICAL LOCATION SHALL BE THE TOP OF ADJACENT PAVEMENT ELEVATION PROJECTED AT THE PROPOSED CROSS SLOPE TO THE CONSTRUCTION BASELINE.
3. LATERAL OFFSET IS A MINIMUM OF 4' BEHIND THE FACE OF CURB ALONG THE ROADWAY AND 6' BEHIND THE FACE OF CURB AT INTERSECTIONS AND ENTRANCES. REFER TO THE CONSTRUCTION PLAN SHEETS FOR THE LOCATION OF THE CLEAR ZONE AREA LIMITS.
4. WHEN PROPOSED WIDENING IS LESS THAN 4', USE PROPOSED PATCHING PAVEMENT ITEMS AT THE SAME DEPTH AS INDICATED ON TYPICAL SECTION.
5. EXISTING PAVEMENT:
   WESCOATS ROAD - CONCRETE WITH HOT MIX OVERLAY
   MARSH ROAD - HOT MIX ASPHALT
   CLAY ROAD - HOT MIX ASPHALT
   SAVANNAH ROAD - CONCRETE WITH HOT MIX OVERLAY
   OLD ORCHARD ROAD - HOT MIX ASPHALT
   AUSTIN STREET- HOT MIX ASPHALT
6. BORROW TYPE 'A' SHALL BE USED AS FILL UNDER ROADWAY FOOTPRINT. MATERIAL MEETING BORROW TYPE 'F' SHALL BE USED OUTSIDE OF ROADWAY FOOTPRINT. ROADWAY FOOTPRINT IS DEFINED AS OUTSIDE EDGE OF ROADWAY PAVEMENT OR CURB AND GUTTER. USE OF BORROW TYPE 'A' SHALL BE LIMITED TO A MAXIMUM OF 1 FOOT BELOW PAVEMENT SUBGRADE WHERE EXISTING MATERIAL DOES NOT MEET THE REQUIREMENTS OF BORROW TYPE 'A'. BORROW TYPE 'B' WITH GEOTEXTILES, SEPARATION SHALL BE USED FOR BACKFILLING UNDERCUT AREAS AS DIRECTED BY THE ENGINEER. BORROW TYPE 'F' SHALL BE USED UNDER BORROW TYPE 'A' IN AREAS WITHOUT UNDERCUT EXCAVATION.

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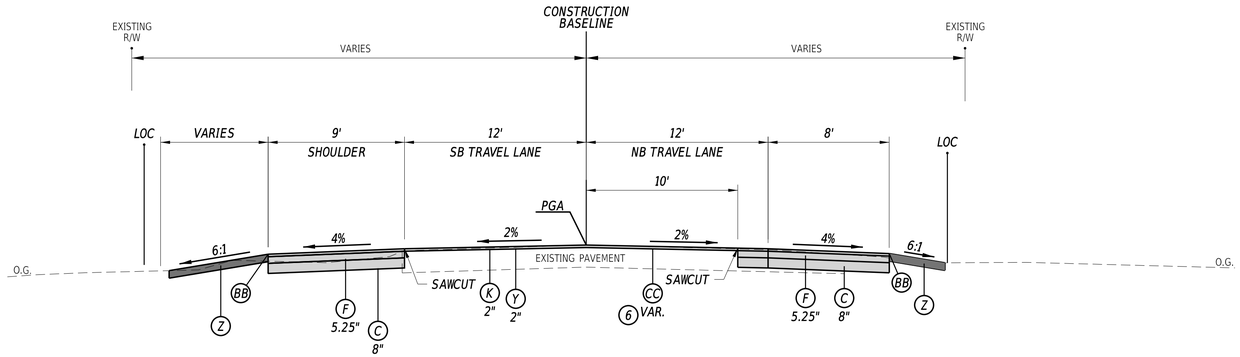
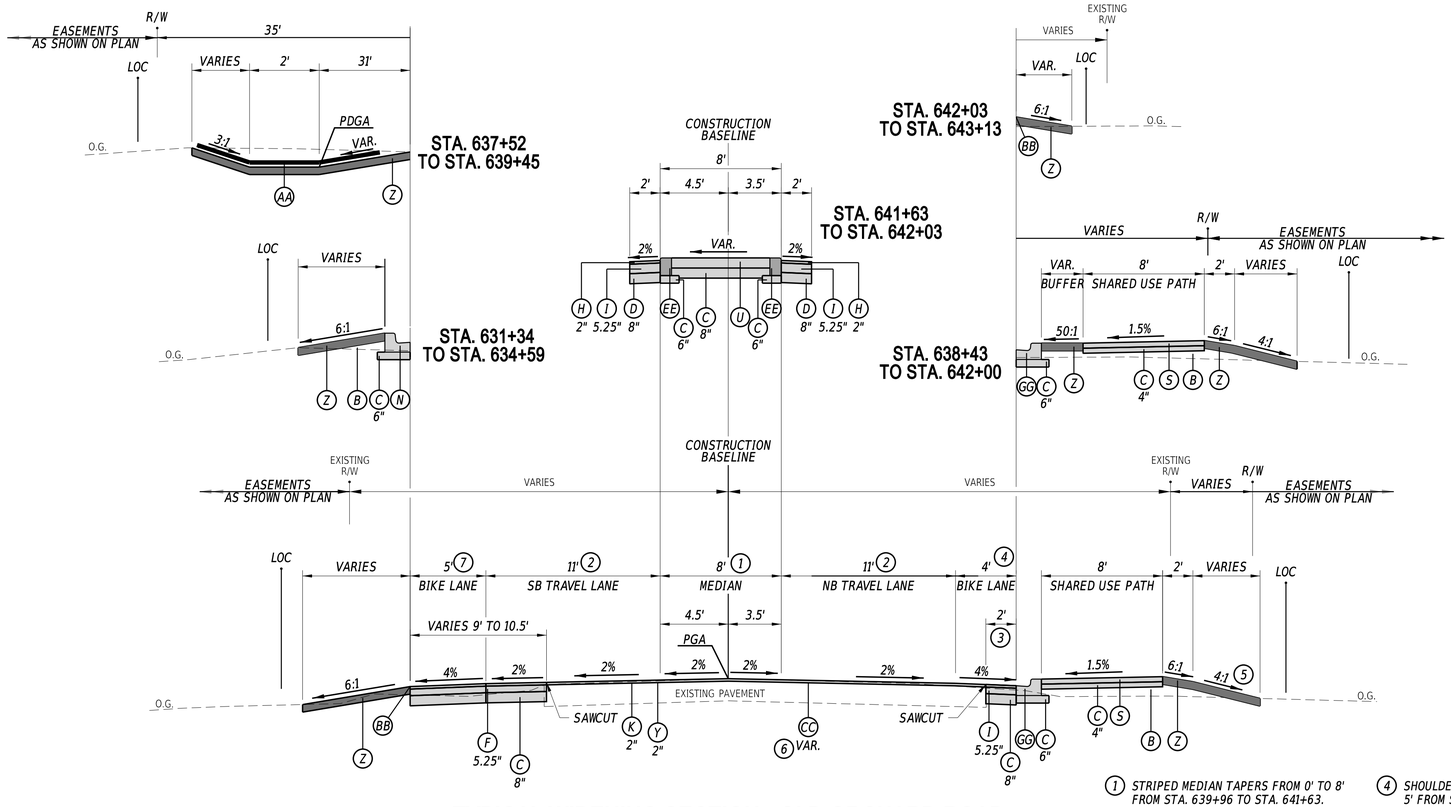
ADDENDA / REVISIONS		NOT TO SCALE	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT	T201609601	BRIDGE NO.	N/A	TYPICAL SECTIONS	SECTION	WRA
				COUNTY	SUSSEX	DESIGNED BY:	J. SINCLAIR		SHEET NO.	11
						CHECKED BY:	V. KOWALSKI			



TYPICAL WIDENING SECTION - OLD ORCHARD ROAD

STATION 643+13 TO STATION 643+50



TYPICAL WIDENING SECTION - OLD ORCHARD ROAD

STATION 634+35 TO STATION 643+13

(2) *TRAVEL LANES TAPER FROM 11' TO 11.5' FROM STA. 639+96 TO STA. 641+63.*

TRAVEL LANE TAPERS FROM 11.5' TO 12' STA. 642+03 TO STA. 643+13.

(7) *SHOULDER/BIKE LANE TAPERS FROM 5' TO 9' FROM STA. 642+03 TO STA. 643+13.*

(1) *STRIPED MEDIAN TAPERS FROM 0' TO 8' FROM STA. 639+96 TO STA. 641+63.*

MEDIAN TAPERS FROM 8' TO 0' FROM STA. 642+03 TO STA. 643+13.

(3) *SAWCUT VARIES FROM STA. 639+96 TO STA. 642+05.*

SAWCUT 10' FROM STA. 642+05 TO STA. 643+13

(4) *SHOULDER/BIKE LANE TAPERS FROM 4' TO 5' FROM STA. 640+20 TO STA. 641+53.*

SHOULDER/BIKE LANE TAPERS FROM 5' TO 8' FROM STA. 642+03 TO STA. 643+13.

(5) *3:1 FROM STA. 636+54.00 TO STA. 637+62.00.*

(6) *USE PAVEMENT WEDGE AT VARIABLE DEPTH TO ACHIEVE ROADWAY CROSS SLOPE.*

LEGEND

- (A) *ITEM 209001 - BORROW, TYPE A*
- (B) *ITEM 209006 - BORROW, TYPE F*
- (C) *ITEM 301001 - GABC*
- (D) *ITEM 301002 - GABC, PATCHING*
- (E) *ITEM 401005 - SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)*
- (F) *ITEM 401016 - SUPERPAVE TYPE B, PG 76-22*
- (G) *ITEM 401014 - SUPERPAVE TYPE B, PG 64-22*
- (H) *ITEM 401029 - SUPERPAVE TYPE C, PG 64-22, PATCHING*
- (I) *ITEM 401030 - SUPERPAVE TYPE B, PG 64-22, PATCHING*
- (K) *ITEM 401046 - SUPERPAVE TYPE C, PG 76-22 (NON-CARBONATE STONE)*
- (L) *ITEM 701013 - PCC CURB, TYPE 1-8*
- (M) *ITEM 701018 - I.PCC CURB AND GUTTER, TYPE 1-8*
- (N) *ITEM 701023 - I.PCC CURB AND GUTTER, TYPE 3-8*
- (P) *ITEM 701025 - PCC CURB TYPE 2 ROUNDABOUT*
- (Q) *ITEM 701027 - PCC CURB, TYPE 1-2 ROUNDABOUT*
- (R) *ITEM 701500 - PCC CURB, TYPE 1, MODIFIED (MAX HT 12")*
- (S) *ITEM 705001 - PCC SIDEWALK, 4"*
- (T) *ITEM 705002 - PCC SIDEWALK, 6"*
- (U) *ITEM 705005 - PCC SIDEWALK, 8"*
- (V) *ITEM 709001 - PERFORATED PIPE UNDERDRAINS, 6" (WHERE SHOWN ON PLANS)*
- (X) *ITEM 908005 - TOPSOIL, 12" DEPTH*
  ITEM 908501 - NATIVE GRASS SEEDING, NO MOW MIX
- (Y) *ITEM 760012 - PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, VARIABLE DEPTH*
- (Z) *ITEM 908004 - TOPSOIL, 6" DEPTH*
  ITEM 908016 - PERMANENT GRASS SEEDING, SUBDIVISION
  ITEM 908026 - EROSION CONTROL MULCH
- (AA) *ITEM 908020 - EROSION CONTROL BLANKET MULCH (8' MIN. WIDTH)*
- (BB) *SAFETY EDGE (INCIDENTAL TO RESPECTIVE SUPERPAVE ITEMS)*
- (CC) *ITEM 401036 - SUPERPAVE TYPE C, PG 64-22, WEDGE*
- (EE) *ITEM 701010 - PCC CURB, TYPE 1-2*
- (FF) *ITEM 701012 - PCC CURB, TYPE 1-6*
- (GG) *ITEM 701022 - I.PCC CURB AND GUTTER, TYPE 3-6*
- (HH) *ITEM 705521 - PATTERNED PCC SIDEWALK, 8" (RED, 4"x8" HERRINGBONE PATTERN)*
- (JJ) *ITEM 302005 - DELAWARE NO. 57 STONE*
- (KK) *ITEM 708002 - GEOTEXTILES, SEPARATION*

MATERIAL TYPE	BINDER GRADE	LIFT THICKNESS (IN)	
		MINIMUM	MAXIMUM
TYPE C (4.75 MM MIX)	ALL	0.5	1.0
TYPE C (9.5 MM MIX)	ALL	1.25	2.0
TYPE C (12.5 MM MIX)	ALL	1.5	2.0
TYPE B (19 MM MIX)	76-22, 70-22	2.25	4.0
TYPE B (19 MM MIX)	64-22	2.25	6.0
TYPE BCBC (25 MM MIX)	64-22	3.0	6.0
GABC	-	4.0	8.0

NOTES:

1. *PGA - POINT OF GRADE APPLICATION*
   PDGA - POINT OF DITCH GRADE APPLICATION
   P/R - POINT OF ROTATION
2. *THE PGA IS APPLIES TO THE TOP OF THE FINAL PAVEMENT SURFACE. IN AREAS WHERE THE PGA IS LOCATED WITHIN THE RAISED MEDIAN, ITS VERTICAL LOCATION SHALL BE THE TOP OF ADJACENT PAVEMENT ELEVATION PROJECTED AT THE PROPOSED CROSS SLOPE TO THE CONSTRUCTION BASELINE.*
3. *LATERAL OFFSET IS A MINIMUM OF 4' BEHIND THE FACE OF CURB ALONG THE ROADWAY AND 6' BEHIND THE FACE OF CURB AT INTERSECTIONS AND ENTRANCES. REFER TO THE CONSTRUCTION PLAN SHEETS FOR THE LOCATION OF THE CLEAR ZONE AREA LIMITS.*
4. *WHEN PROPOSED WIDENING IS LESS THAN 4', USE PROPOSED PATCHING PAVEMENT ITEMS AT THE SAME DEPTH AS INDICATED ON TYPICAL SECTION.*
5. *EXISTING PAVEMENT:*
   WESCOATS ROAD - CONCRETE WITH HOT MIX OVERLAY
   MARSH ROAD - HOT MIX ASPHALT
   CLAY ROAD - HOT MIX ASPHALT
   SAVANNAH ROAD - CONCRETE WITH HOT MIX OVERLAY
   OLD ORCHARD ROAD - HOT MIX ASPHALT
   AUSTIN STREET- HOT MIX ASPHALT
6. *BORROW TYPE 'A' SHALL BE USED AS FILL UNDER ROADWAY FOOTPRINT. MATERIAL MEETING BORROW TYPE 'F' SHALL BE USED OUTSIDE OF ROADWAY FOOTPRINT. ROADWAY FOOTPRINT IS DEFINED AS OUTSIDE EDGE OF ROADWAY PAVEMENT OR CURB AND GUTTER. USE OF BORROW TYPE 'A' SHALL BE LIMITED TO A MAXIMUM OF 1 FOOT BELOW PAVEMENT SUBGRADE WHERE EXISTING MATERIAL DOES NOT MEET THE REQUIREMENTS OF BORROW TYPE 'A'. BORROW TYPE 'B' WITH GEOTEXTILES, SEPARATION SHALL BE USED FOR BACKFILLING UNDERCUT AREAS AS DIRECTED BY THE ENGINEER. BORROW TYPE 'F' SHALL BE USED UNDER BORROW TYPE 'A' IN AREAS WITHOUT UNDERCUT EXCAVATION.*

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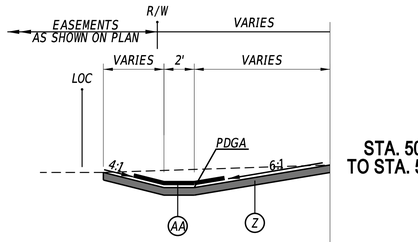
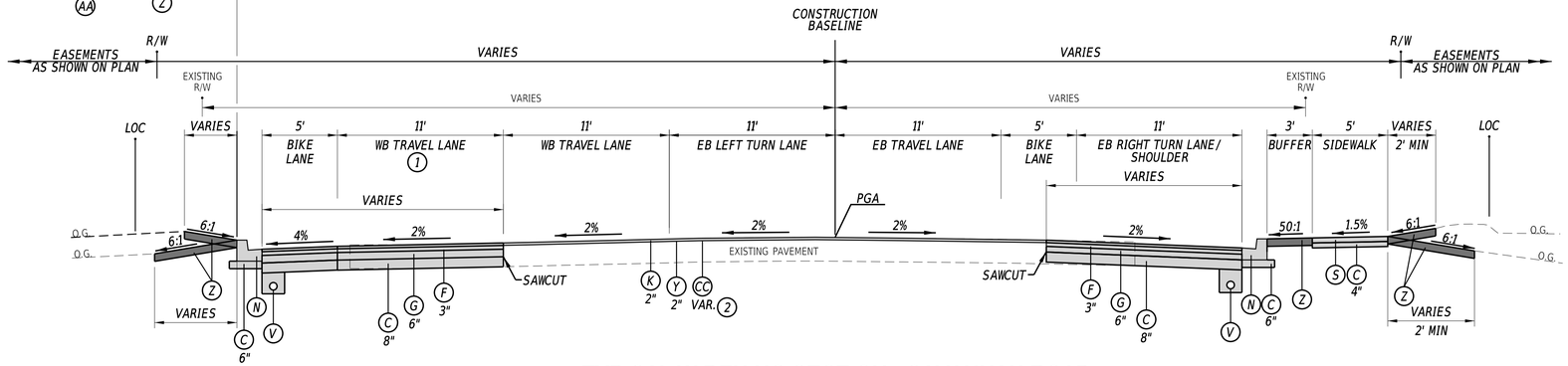
ADDENDA / REVISIONS	NOT TO SCALE	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	TYPICAL SECTIONS	SECTION WRA
			COUNTY SUSSEX	DESIGNED BY: J. SINCLAIR		SHEET NO. 12
				CHECKED BY: V. KOWALSKI		



STA. 503+80 TO STA. 506+30

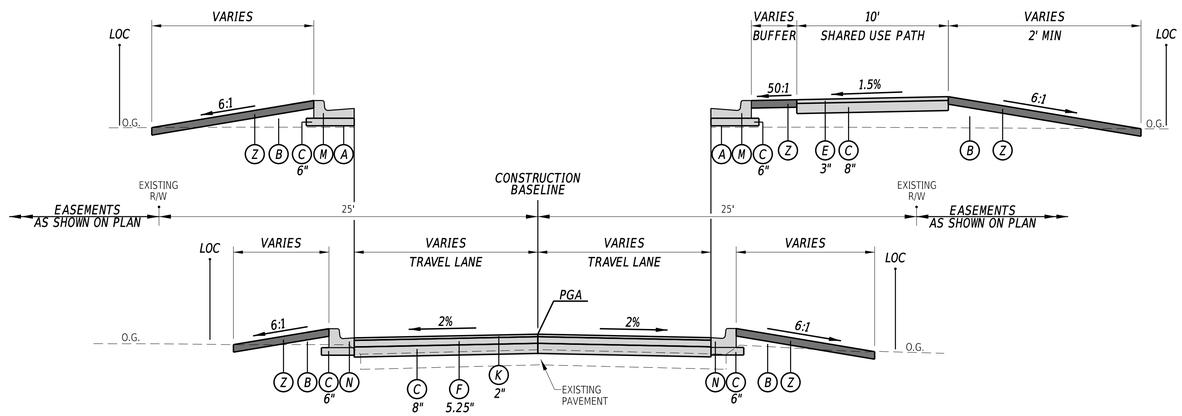


TYPICAL WIDENING SECTION - SAVANNAH ROAD

STATION 504+50 TO STATION 507+26

(1) NO SECOND TRAVEL LANE FROM STA. 504+68 TO STA. 504+97. TRAVEL LANE WIDENS FROM 0' TO 11' FROM STA. 504+97 TO STA. 506+62

(2) USE PAVEMENT WEDGE AT VARIABLE DEPTH TO ACHIEVE ROADWAY CROSS SLOPE



TYPICAL NORMAL SECTION - AUSTIN STREET

STATION 700+60 TO STATION 701+80

LEGEND

- (A) ITEM 209001 - BORROW, TYPE A
- (B) ITEM 209006 - BORROW, TYPE F
- (C) ITEM 301001 - GABC
- (D) ITEM 301002 - GABC, PATCHING
- (E) ITEM 401005 - SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)
- (F) ITEM 401016 - SUPERPAVE TYPE B, PG 76-22
- (G) ITEM 401014 - SUPERPAVE TYPE B, PG 64-22
- (H) ITEM 401029 - SUPERPAVE TYPE C, PG 64-22, PATCHING
- (I) ITEM 401030 - SUPERPAVE TYPE B, PG 64-22, PATCHING
- (K) ITEM 401046 - SUPERPAVE TYPE C, PG 76-22 (NON-CARBONATE STONE)
- (L) ITEM 701013 - PCC CURB, TYPE 1-8
- (M) ITEM 701018 - I.PCC CURB AND GUTTER, TYPE 1-8
- (N) ITEM 701023 - I.PCC CURB AND GUTTER, TYPE 3-8
- (P) ITEM 701025 - PCC CURB TYPE 2 ROUNDABOUT
- (Q) ITEM 701027 - PCC CURB, TYPE 1-2 ROUNDABOUT
- (R) ITEM 701500 - PCC CURB, TYPE 1, MODIFIED (MAX HT 12")
- (S) ITEM 705001 - PCC SIDEWALK, 4"
- (T) ITEM 705002 - PCC SIDEWALK, 6"
- (U) ITEM 705005 - PCC SIDEWALK, 8"
- (V) ITEM 709001 - PERFORATED PIPE UNDERDRAINS, 6" (WHERE SHOWN ON PLANS)
- (X) ITEM 908005 - TOPSOIL, 12" DEPTH
  ITEM 908501 - NATIVE GRASS SEEDING, NO MOW MIX
- (Y) ITEM 760012 - PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, VARIABLE DEPTH
- (Z) ITEM 908004 - TOPSOIL, 6" DEPTH
  ITEM 908016 - PERMANENT GRASS SEEDING, SUBDIVISION
  ITEM 908026 - EROSION CONTROL MULCH
- (AA) ITEM 908020 - EROSION CONTROL BLANKET MULCH (8' MIN. WIDTH)
- (BB) SAFETY EDGE (INCIDENTAL TO RESPECTIVE SUPERPAVE ITEMS)
- (CC) ITEM 401036 - SUPERPAVE TYPE C, PG 64-22, WEDGE
- (EE) ITEM 701010 - PCC CURB, TYPE 1-2
- (FF) ITEM 701012 - PCC CURB, TYPE 1-6
- (GG) ITEM 701022 - I.PCC CURB AND GUTTER, TYPE 3-6
- (HH) ITEM 705521 - PATTERNED PCC SIDEWALK, 8" (RED, 4"x8" HERRINGBONE PATTERN)
- (JJ) ITEM 302005 - DELAWARE NO. 57 STONE
- (KK) ITEM 708002 - GEOTEXTILES, SEPARATION

MATERIAL TYPE	BINDER GRADE	LIFT THICKNESS (IN)	
		MINIMUM	MAXIMUM
TYPE C (4.75 MM MIX)	ALL	0.5	1.0
TYPE C (9.5 MM MIX)	ALL	1.25	2.0
TYPE C (12.5 MM MIX)	ALL	1.5	2.0
TYPE B (19 MM MIX)	76-22, 70-22	2.25	4.0
TYPE B (19 MM MIX)	64-22	2.25	6.0
TYPE BCBC (25 MM MIX)	64-22	3.0	6.0
GABC	-	4.0	8.0

NOTES:

1. PGA - POINT OF GRADE APPLICATION
   PDGA - POINT OF DITCH GRADE APPLICATION
   P/R - POINT OF ROTATION
2. THE PGA IS APPLIES TO THE TOP OF THE FINAL PAVEMENT SURFACE. IN AREAS WHERE THE PGA IS LOCATED WITHIN THE RAISED MEDIAN, ITS VERTICAL LOCATION SHALL BE THE TOP OF ADJACENT PAVEMENT ELEVATION PROJECTED AT THE PROPOSED CROSS SLOPE TO THE CONSTRUCTION BASELINE.
3. LATERAL OFFSET IS A MINIMUM OF 4' BEHIND THE FACE OF CURB ALONG THE ROADWAY AND 6' BEHIND THE FACE OF CURB AT INTERSECTIONS AND ENTRANCES. REFER TO THE CONSTRUCTION PLAN SHEETS FOR THE LOCATION OF THE CLEAR ZONE AREA LIMITS.
4. WHEN PROPOSED WIDENING IS LESS THAN 4', USE PROPOSED PATCHING PAVEMENT ITEMS AT THE SAME DEPTH AS INDICATED ON TYPICAL SECTION.
5. EXISTING PAVEMENT:
   WESCOATS ROAD - CONCRETE WITH HOT MIX OVERLAY
   MARSH ROAD - HOT MIX ASPHALT
   CLAY ROAD - HOT MIX ASPHALT
   SAVANNAH ROAD - CONCRETE WITH HOT MIX OVERLAY
   OLD ORCHARD ROAD - HOT MIX ASPHALT
   AUSTIN STREET- HOT MIX ASPHALT
6. BORROW TYPE 'A' SHALL BE USED AS FILL UNDER ROADWAY FOOTPRINT. MATERIAL MEETING BORROW TYPE 'F' SHALL BE USED OUTSIDE OF ROADWAY FOOTPRINT. ROADWAY FOOTPRINT IS DEFINED AS OUTSIDE EDGE OF ROADWAY PAVEMENT OR CURB AND GUTTER. USE OF BORROW TYPE 'A' SHALL BE LIMITED TO A MAXIMUM OF 1 FOOT BELOW PAVEMENT SUBGRADE WHERE EXISTING MATERIAL DOES NOT MEET THE REQUIREMENTS OF BORROW TYPE 'A'. BORROW TYPE 'B' WITH GEOTEXTILES, SEPARATION SHALL BE USED FOR BACKFILLING UNDERCUT AREAS AS DIRECTED BY THE ENGINEER. BORROW TYPE 'F' SHALL BE USED UNDER BORROW TYPE 'A' IN AREAS WITHOUT UNDERCUT EXCAVATION.

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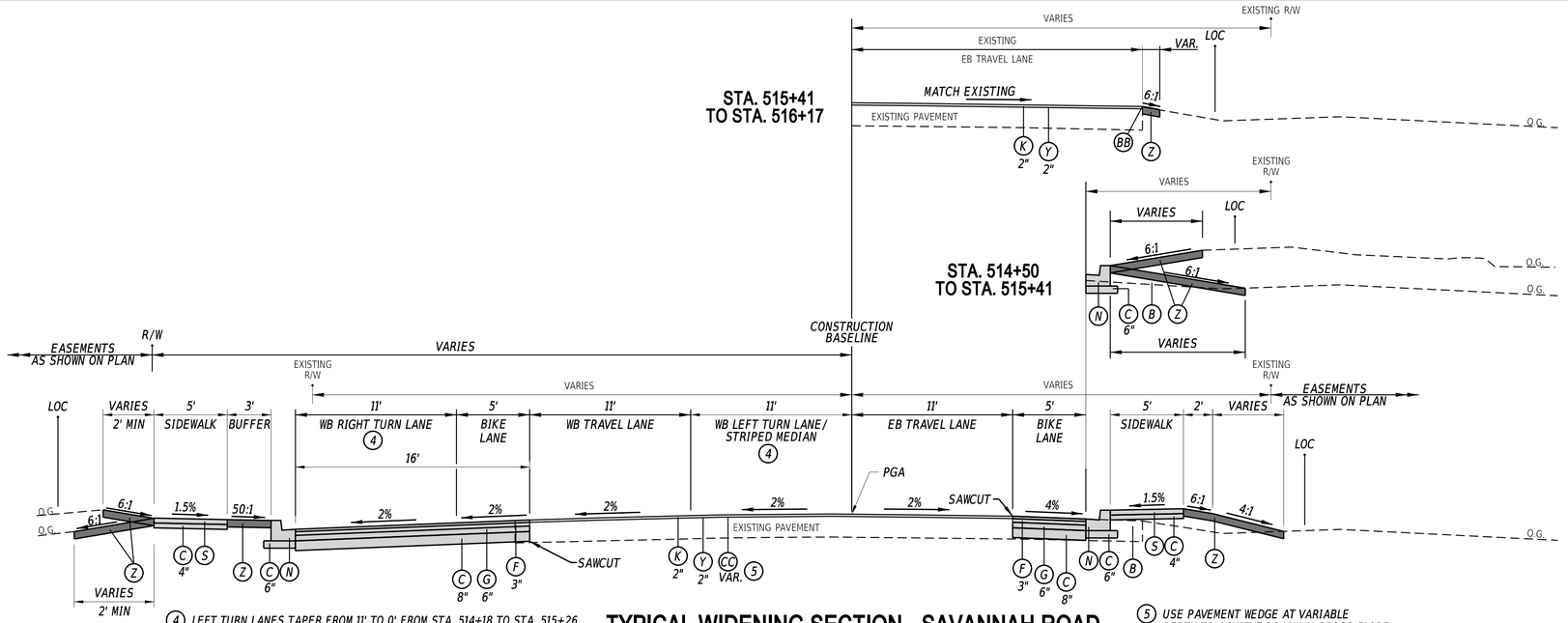
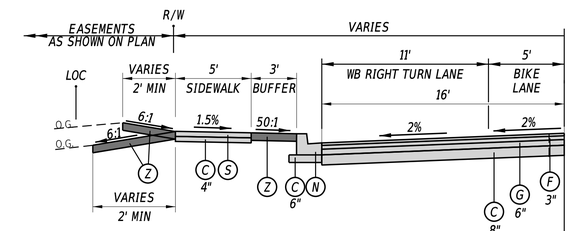
ADDENDA / REVISIONS		NOT TO SCALE	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT	BRIDGE NO. N/A	TYPICAL SECTIONS	SECTION
				T201609601	DESIGNED BY: J. SINCLAIR		WRA
				COUNTY	CHECKED BY: V. KOWALSKI		SHEET NO.
				SUSSEX			13



(4) LEFT TURN LANES TAPER FROM 11' TO 0' FROM STA. 514+18 TO STA. 515+26.
WB RIGHT LANE TAPERS FROM 0' TO 11' FROM STA. 514+18 TO STA. 515+26

(5) USE PAVEMENT WEDGE AT VARIABLE DEPTH TO ACHIEVE ROADWAY CROSS SLOPE

TYPICAL WIDENING SECTION - SAVANNAH ROAD
STATION 512+76 TO STATION 516+17



(2) TRANSITION SHOULDER AND LANE DROP SLOPE
FROM 2% TO 1.5% FROM STA. 509+80 TO STA. 510+20.
1.5% FROM STA. 510+20 TO STA. 512+75.

(1) USE PAVEMENT WEDGE AT VARIABLE DEPTH TO ACHIEVE ROADWAY CROSS SLOPE

(3) TRANSITION BIKE LANE AND RIGHT TURN LANE
FROM -2% TO 1.5% FROM STA. 510+28 TO STA. 510+92.
1.5% FROM STA. 510+92 TO STA. 512+75.

TYPICAL SUPERELEVATED SECTION - SAVANNAH ROAD
STATION 507+26 TO STATION 513+39

LEGEND

- (A) ITEM 209001 - BORROW, TYPE A
- (B) ITEM 209006 - BORROW, TYPE F
- (C) ITEM 301001 - GABC
- (D) ITEM 301002 - GABC, PATCHING
- (E) ITEM 401005 - SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)
- (F) ITEM 401016 - SUPERPAVE TYPE B, PG 76-22
- (G) ITEM 401014 - SUPERPAVE TYPE B, PG 64-22
- (H) ITEM 401029 - SUPERPAVE TYPE C, PG 64-22, PATCHING
- (I) ITEM 401030 - SUPERPAVE TYPE B, PG 64-22, PATCHING
- (K) ITEM 401046 - SUPERPAVE TYPE C, PG 76-22 (NON-CARBONATE STONE)
- (L) ITEM 701013 - PCC CURB, TYPE 1-8
- (M) ITEM 701018 - I.PCC CURB AND GUTTER, TYPE 1-8
- (N) ITEM 701023 - I.PCC CURB AND GUTTER, TYPE 3-8
- (P) ITEM 701025 - PCC CURB TYPE 2 ROUNDABOUT
- (Q) ITEM 701027 - PCC CURB, TYPE 1-2 ROUNDABOUT
- (R) ITEM 701500 - PCC CURB, TYPE 1, MODIFIED (MAX HT 12")
- (S) ITEM 705001 - PCC SIDEWALK, 4"
- (T) ITEM 705002 - PCC SIDEWALK, 6"
- (U) ITEM 705005 - PCC SIDEWALK, 8"
- (V) ITEM 709001 - PERFORATED PIPE UNDERDRAINS, 6" (WHERE SHOWN ON PLANS)
- (X) ITEM 908005 - TOPSOIL, 12" DEPTH
  ITEM 908501 - NATIVE GRASS SEEDING, NO MOW MIX
- (Y) ITEM 760012 - PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, VARIABLE DEPTH
- (Z) ITEM 908004 - TOPSOIL, 6" DEPTH
  ITEM 908016 - PERMANENT GRASS SEEDING, SUBDIVISION
  ITEM 908026 - EROSION CONTROL MULCH
- (AA) ITEM 908020 - EROSION CONTROL BLANKET MULCH (8' MIN. WIDTH)
- (BB) SAFETY EDGE (INCIDENTAL TO RESPECTIVE SUPERPAVE ITEMS)
- (CC) ITEM 401036 - SUPERPAVE TYPE C, PG 64-22, WEDGE
- (EE) ITEM 701010 - PCC CURB, TYPE 1-2
- (FF) ITEM 701012 - PCC CURB, TYPE 1-6
- (GG) ITEM 701022 - I.PCC CURB AND GUTTER, TYPE 3-6
- (HH) ITEM 705521 - PATTERNED PCC SIDEWALK, 8" (RED, 4"x8" HERRINGBONE PATTERN)
- (JJ) ITEM 302005 - DELAWARE NO. 57 STONE
- (KK) ITEM 708002 - GEOTEXTILES, SEPARATION

MATERIAL TYPE	BINDER GRADE	LIFT THICKNESS (IN)	
		MINIMUM	MAXIMUM
TYPE C (4.75 MM MIX)	ALL	0.5	1.0
TYPE C (9.5 MM MIX)	ALL	1.25	2.0
TYPE C (12.5 MM MIX)	ALL	1.5	2.0
TYPE B (19 MM MIX)	76-22, 70-22	2.25	4.0
TYPE B (19 MM MIX)	64-22	2.25	6.0
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GABC	-	4.0	8.0

NOTES:

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   PDGA - POINT OF DITCH GRADE APPLICATION
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2. THE PGA IS APPLIES TO THE TOP OF THE FINAL PAVEMENT SURFACE. IN AREAS WHERE THE PGA IS LOCATED WITHIN THE RAISED MEDIAN, ITS VERTICAL LOCATION SHALL BE THE TOP OF ADJACENT PAVEMENT ELEVATION PROJECTED AT THE PROPOSED CROSS SLOPE TO THE CONSTRUCTION BASELINE.
3. LATERAL OFFSET IS A MINIMUM OF 4' BEHIND THE FACE OF CURB ALONG THE ROADWAY AND 6' BEHIND THE FACE OF CURB AT INTERSECTIONS AND ENTRANCES. REFER TO THE CONSTRUCTION PLAN SHEETS FOR THE LOCATION OF THE CLEAR ZONE AREA LIMITS.
4. WHEN PROPOSED WIDENING IS LESS THAN 4', USE PROPOSED PATCHING PAVEMENT ITEMS AT THE SAME DEPTH AS INDICATED ON TYPICAL SECTION.
5. EXISTING PAVEMENT:
   WESCOATS ROAD - CONCRETE WITH HOT MIX OVERLAY
   MARSH ROAD - HOT MIX ASPHALT
   CLAY ROAD - HOT MIX ASPHALT
   SAVANNAH ROAD - CONCRETE WITH HOT MIX OVERLAY
   OLD ORCHARD ROAD - HOT MIX ASPHALT
   AUSTIN STREET- HOT MIX ASPHALT
6. BORROW TYPE 'A' SHALL BE USED AS FILL UNDER ROADWAY FOOTPRINT. MATERIAL MEETING BORROW TYPE 'F' SHALL BE USED OUTSIDE OF ROADWAY FOOTPRINT. ROADWAY FOOTPRINT IS DEFINED AS OUTSIDE EDGE OF ROADWAY PAVEMENT OR CURB AND GUTTER. USE OF BORROW TYPE 'A' SHALL BE LIMITED TO A MAXIMUM OF 1 FOOT BELOW PAVEMENT SUBGRADE WHERE EXISTING MATERIAL DOES NOT MEET THE REQUIREMENTS OF BORROW TYPE 'A'. BORROW TYPE 'B' WITH GEOTEXTILES, SEPARATION SHALL BE USED FOR BACKFILLING UNDERCUT AREAS AS DIRECTED BY THE ENGINEER. BORROW TYPE 'F' SHALL BE USED UNDER BORROW TYPE 'A' IN AREAS WITHOUT UNDERCUT EXCAVATION.

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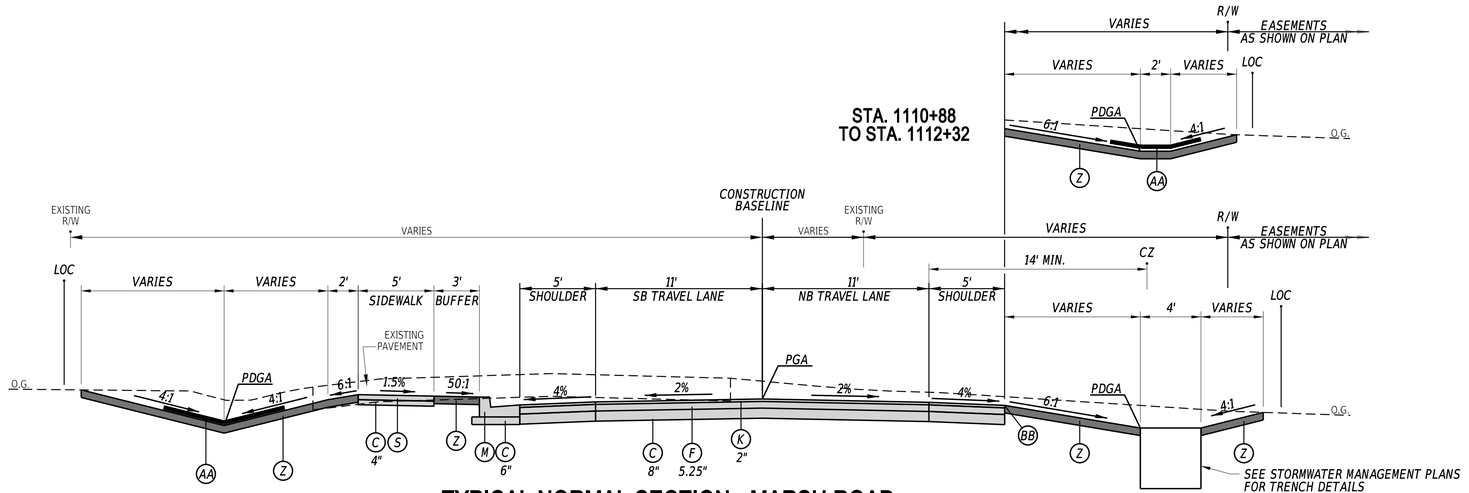
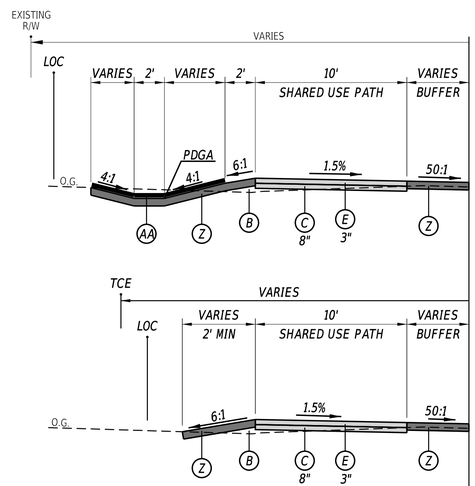
ADDENDA / REVISIONS		NOT TO SCALE	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT	T201609601	BRIDGE NO.	N/A	TYPICAL SECTIONS	SECTION	WRA
				COUNTY	SUSSEX	DESIGNED BY:	J. SINCLAIR		SHEET NO.	14
						CHECKED BY:	V. KOWALSKI			

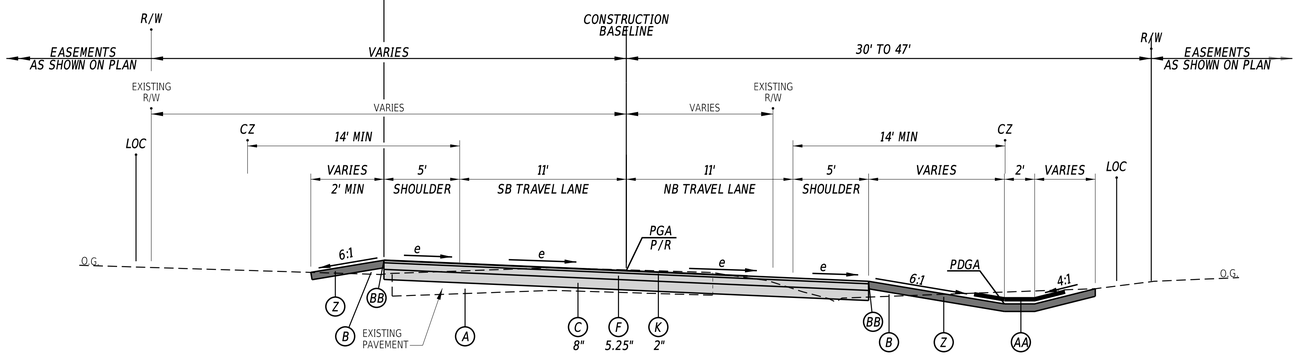


TYPICAL NORMAL SECTION - MARSH ROAD
STATION 1108+76 TO STATION 1112+32



STA. 1104+69
TO STA. 1105+46

STA. 1103+19
TO STA. 1104+69



MAXIMUM ALGEBRAIC DIFFERENCE OF CROSS SLOPES SHALL NOT EXCEED 8%.

TYPICAL SUPERELEVATED SECTION - MARSH ROAD/CLAY ROAD
STATION 1101+60 TO STATION 1105+46
STATION 1112+32 TO STATION 1116+90

LEGEND

- (A) ITEM 209001 - BORROW, TYPE A
- (B) ITEM 209006 - BORROW, TYPE F
- (C) ITEM 301001 - GABC
- (D) ITEM 301002 - GABC, PATCHING
- (E) ITEM 401005 - SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)
- (F) ITEM 401016 - SUPERPAVE TYPE B, PG 76-22
- (G) ITEM 401014 - SUPERPAVE TYPE B, PG 64-22
- (H) ITEM 401029 - SUPERPAVE TYPE C, PG 64-22, PATCHING
- (I) ITEM 401030 - SUPERPAVE TYPE B, PG 64-22, PATCHING
- (K) ITEM 401046 - SUPERPAVE TYPE C, PG 76-22 (NON-CARBONATE STONE)
- (L) ITEM 701013 - PCC CURB, TYPE 1-8
- (M) ITEM 701018 - I.PCC CURB AND GUTTER, TYPE 1-8
- (N) ITEM 701023 - I.PCC CURB AND GUTTER, TYPE 3-8
- (P) ITEM 701025 - PCC CURB TYPE 2 ROUNDABOUT
- (Q) ITEM 701027 - PCC CURB, TYPE 1-2 ROUNDABOUT
- (R) ITEM 701500 - PCC CURB, TYPE 1, MODIFIED (MAX HT 12")
- (S) ITEM 705001 - PCC SIDEWALK, 4"
- (T) ITEM 705002 - PCC SIDEWALK, 6"
- (U) ITEM 705005 - PCC SIDEWALK, 8"
- (V) ITEM 709001 - PERFORATED PIPE UNDERDRAINS, 6" (WHERE SHOWN ON PLANS)
- (X) ITEM 908005 - TOPSOIL, 12" DEPTH
  ITEM 908501 - NATIVE GRASS SEEDING, NO MOW MIX
- (Y) ITEM 760012 - PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, VARIABLE DEPTH
- (Z) ITEM 908004 - TOPSOIL, 6" DEPTH
  ITEM 908016 - PERMANENT GRASS SEEDING, SUBDIVISION
  ITEM 908026 - EROSION CONTROL MULCH
- (AA) ITEM 908020 - EROSION CONTROL BLANKET MULCH (8' MIN. WIDTH)
- (BB) SAFETY EDGE (INCIDENTAL TO RESPECTIVE SUPERPAVE ITEMS)
- (CC) ITEM 401036 - SUPERPAVE TYPE C, PG 64-22, WEDGE
- (EE) ITEM 701010 - PCC CURB, TYPE 1-2
- (FF) ITEM 701012 - PCC CURB, TYPE 1-6
- (GG) ITEM 701022 - I.PCC CURB AND GUTTER, TYPE 3-6
- (HH) ITEM 705521 - PATTERNED PCC SIDEWALK, 8" (RED, 4"x8" HERRINGBONE PATTERN)
- (JJ) ITEM 302005 - DELAWARE NO. 57 STONE
- (KK) ITEM 708002 - GEOTEXTILES, SEPARATION

MATERIAL TYPE	BINDER GRADE	LIFT THICKNESS (IN)	
		MINIMUM	MAXIMUM
TYPE C (4.75 MM MIX)	ALL	0.5	1.0
TYPE C (9.5 MM MIX)	ALL	1.25	2.0
TYPE C (12.5 MM MIX)	ALL	1.5	2.0
TYPE B (19 MM MIX)	76-22, 70-22	2.25	4.0
TYPE B (19 MM MIX)	64-22	2.25	6.0
TYPE BCBC (25 MM MIX)	64-22	3.0	6.0
GABC	-	4.0	8.0

NOTES:

1. PGA - POINT OF GRADE APPLICATION
   PDGA - POINT OF DITCH GRADE APPLICATION
   P/R - POINT OF ROTATION
2. THE PGA IS APPLIES TO THE TOP OF THE FINAL PAVEMENT SURFACE. IN AREAS WHERE THE PGA IS LOCATED WITHIN THE RAISED MEDIAN, ITS VERTICAL LOCATION SHALL BE THE TOP OF ADJACENT PAVEMENT ELEVATION PROJECTED AT THE PROPOSED CROSS SLOPE TO THE CONSTRUCTION BASELINE.
3. LATERAL OFFSET IS A MINIMUM OF 4' BEHIND THE FACE OF CURB ALONG THE ROADWAY AND 6' BEHIND THE FACE OF CURB AT INTERSECTIONS AND ENTRANCES. REFER TO THE CONSTRUCTION PLAN SHEETS FOR THE LOCATION OF THE CLEAR ZONE AREA LIMITS.
4. WHEN PROPOSED WIDENING IS LESS THAN 4', USE PROPOSED PATCHING PAVEMENT ITEMS AT THE SAME DEPTH AS INDICATED ON TYPICAL SECTION.
5. EXISTING PAVEMENT:
   WESCOATS ROAD - CONCRETE WITH HOT MIX OVERLAY
   MARSH ROAD - HOT MIX ASPHALT
   CLAY ROAD - HOT MIX ASPHALT
   SAVANNAH ROAD - CONCRETE WITH HOT MIX OVERLAY
   OLD ORCHARD ROAD - HOT MIX ASPHALT
   AUSTIN STREET- HOT MIX ASPHALT
6. BORROW TYPE 'A' SHALL BE USED AS FILL UNDER ROADWAY FOOTPRINT. MATERIAL MEETING BORROW TYPE 'F' SHALL BE USED OUTSIDE OF ROADWAY FOOTPRINT. ROADWAY FOOTPRINT IS DEFINED AS OUTSIDE EDGE OF ROADWAY PAVEMENT OR CURB AND GUTTER. USE OF BORROW TYPE 'A' SHALL BE LIMITED TO A MAXIMUM OF 1 FOOT BELOW PAVEMENT SUBGRADE WHERE EXISTING MATERIAL DOES NOT MEET THE REQUIREMENTS OF BORROW TYPE 'A'. BORROW TYPE 'B' WITH GEOTEXTILES, SEPARATION SHALL BE USED FOR BACKFILLING UNDERCUT AREAS AS DIRECTED BY THE ENGINEER. BORROW TYPE 'F' SHALL BE USED UNDER BORROW TYPE 'A' IN AREAS WITHOUT UNDERCUT EXCAVATION.

ADDENDA / REVISIONS		NOT TO SCALE	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT	T201609601	BRIDGE NO.	N/A	TYPICAL SECTIONS	SECTION	WRA
				COUNTY	SUSSEX	DESIGNED BY:	J. SINCLAIR		SHEET NO.	15
						CHECKED BY:	V. KOWALSKI			

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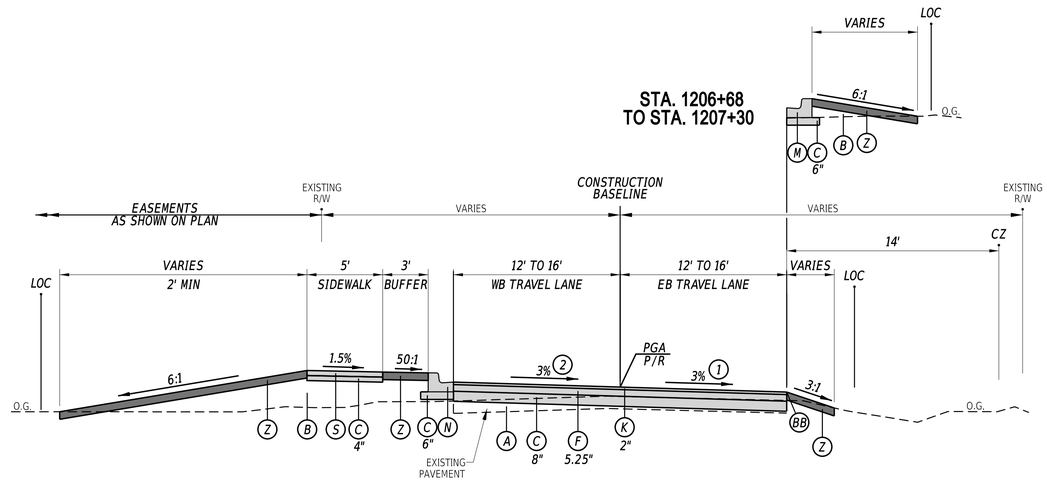


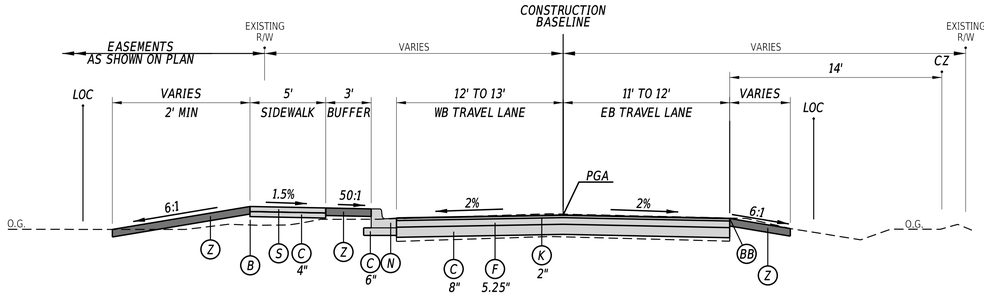
(2) CROSS SLOPE TRANSITIONS FROM -2% TO 3% FROM STA. 1205+30 TO STA. 1206+09.

CROSS SLOPE TRANSITIONS FROM 3% TO -0.5% FROM STA. 1206+78 TO STA. 1207+25.

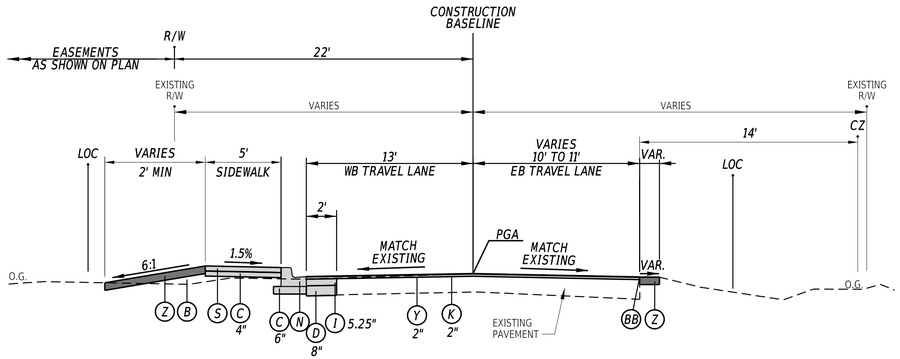
TYPICAL NORMAL SECTION - CLAY ROAD
STATION 1205+30 TO STATION 1207+30

(1) CROSS SLOPE TRANSITIONS FROM 2% TO 3% FROM STA. 1205+62 TO STA. 1206+09.

CROSS SLOPE TRANSITIONS FROM 3% TO -0.5% FROM STA. 1206+78 TO STA. 1207+25.



TYPICAL NORMAL SECTION - CLAY ROAD
STATION 1204+76 TO STATION 1205+30



TYPICAL NORMAL SECTION - CLAY ROAD
STATION 1201+43 TO STATION 1204+76

LEGEND

- (A) ITEM 209001 - BORROW, TYPE A
- (B) ITEM 209006 - BORROW, TYPE F
- (C) ITEM 301001 - GABC
- (D) ITEM 301002 - GABC, PATCHING
- (E) ITEM 401005 - SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)
- (F) ITEM 401016 - SUPERPAVE TYPE B, PG 76-22
- (G) ITEM 401014 - SUPERPAVE TYPE B, PG 64-22
- (H) ITEM 401029 - SUPERPAVE TYPE C, PG 64-22, PATCHING
- (I) ITEM 401030 - SUPERPAVE TYPE B, PG 64-22, PATCHING
- (K) ITEM 401046 - SUPERPAVE TYPE C, PG 76-22 (NON-CARBONATE STONE)
- (L) ITEM 701013 - PCC CURB, TYPE 1-8
- (M) ITEM 701018 - I.PCC CURB AND GUTTER, TYPE 1-8
- (N) ITEM 701023 - I.PCC CURB AND GUTTER, TYPE 3-8
- (P) ITEM 701025 - PCC CURB TYPE 2 ROUNDABOUT
- (Q) ITEM 701027 - PCC CURB, TYPE 1-2 ROUNDABOUT
- (R) ITEM 701500 - PCC CURB, TYPE 1, MODIFIED (MAX HT 12")
- (S) ITEM 705001 - PCC SIDEWALK, 4"
- (T) ITEM 705002 - PCC SIDEWALK, 6"
- (U) ITEM 705005 - PCC SIDEWALK, 8"
- (V) ITEM 709001 - PERFORATED PIPE UNDERDRAINS, 6" (WHERE SHOWN ON PLANS)
- (X) ITEM 908005 - TOPSOIL, 12" DEPTH
  ITEM 908501 - NATIVE GRASS SEEDING, NO MOW MIX
- (Y) ITEM 760012 - PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, VARIABLE DEPTH
- (Z) ITEM 908004 - TOPSOIL, 6" DEPTH
  ITEM 908016 - PERMANENT GRASS SEEDING, SUBDIVISION
  ITEM 908026 - EROSION CONTROL MULCH
- (AA) ITEM 908020 - EROSION CONTROL BLANKET MULCH (8' MIN. WIDTH)
- (BB) SAFETY EDGE (INCIDENTAL TO RESPECTIVE SUPERPAVE ITEMS)
- (CC) ITEM 401036 - SUPERPAVE TYPE C, PG 64-22, WEDGE
- (EE) ITEM 701010 - PCC CURB, TYPE 1-2
- (FF) ITEM 701012 - PCC CURB, TYPE 1-6
- (GG) ITEM 701022 - I.PCC CURB AND GUTTER, TYPE 3-6
- (HH) ITEM 705521 - PATTERNED PCC SIDEWALK, 8" (RED, 4"x8" HERRINGBONE PATTERN)
- (JJ) ITEM 302005 - DELAWARE NO. 57 STONE
- (KK) ITEM 708002 - GEOTEXTILES, SEPARATION

MATERIAL TYPE	BINDER GRADE	LIFT THICKNESS (IN)	
		MINIMUM	MAXIMUM
TYPE C (4.75 MM MIX)	ALL	0.5	1.0
TYPE C (9.5 MM MIX)	ALL	1.25	2.0
TYPE C (12.5 MM MIX)	ALL	1.5	2.0
TYPE B (19 MM MIX)	76-22, 70-22	2.25	4.0
TYPE B (19 MM MIX)	64-22	2.25	6.0
TYPE BCBC (25 MM MIX)	64-22	3.0	6.0
GABC	-	4.0	8.0

NOTES:

1. PGA - POINT OF GRADE APPLICATION
   PDGA - POINT OF DITCH GRADE APPLICATION
   P/R - POINT OF ROTATION

2. THE PGA IS APPLIES TO THE TOP OF THE FINAL PAVEMENT SURFACE. IN AREAS WHERE THE PGA IS LOCATED WITHIN THE RAISED MEDIAN, ITS VERTICAL LOCATION SHALL BE THE TOP OF ADJACENT PAVEMENT ELEVATION PROJECTED AT THE PROPOSED CROSS SLOPE TO THE CONSTRUCTION BASELINE.

3. LATERAL OFFSET IS A MINIMUM OF 4' BEHIND THE FACE OF CURB ALONG THE ROADWAY AND 6' BEHIND THE FACE OF CURB AT INTERSECTIONS AND ENTRANCES. REFER TO THE CONSTRUCTION PLAN SHEETS FOR THE LOCATION OF THE CLEAR ZONE AREA LIMITS.

4. WHEN PROPOSED WIDENING IS LESS THAN 4', USE PROPOSED PATCHING PAVEMENT ITEMS AT THE SAME DEPTH AS INDICATED ON TYPICAL SECTION.

5. EXISTING PAVEMENT:
   WESCOATS ROAD - CONCRETE WITH HOT MIX OVERLAY
   MARSH ROAD - HOT MIX ASPHALT
   CLAY ROAD - HOT MIX ASPHALT
   SAVANNAH ROAD - CONCRETE WITH HOT MIX OVERLAY
   OLD ORCHARD ROAD - HOT MIX ASPHALT
   AUSTIN STREET- HOT MIX ASPHALT

6. BORROW TYPE 'A' SHALL BE USED AS FILL UNDER ROADWAY FOOTPRINT. MATERIAL MEETING BORROW TYPE 'F' SHALL BE USED OUTSIDE OF ROADWAY FOOTPRINT. ROADWAY FOOTPRINT IS DEFINED AS OUTSIDE EDGE OF ROADWAY PAVEMENT OR CURB AND GUTTER. USE OF BORROW TYPE 'A' SHALL BE LIMITED TO A MAXIMUM OF 1 FOOT BELOW PAVEMENT SUBGRADE WHERE EXISTING MATERIAL DOES NOT MEET THE REQUIREMENTS OF BORROW TYPE 'A'. BORROW TYPE 'B' WITH GEOTEXTILES, SEPARATION SHALL BE USED FOR BACKFILLING UNDERCUT AREAS AS DIRECTED BY THE ENGINEER. BORROW TYPE 'F' SHALL BE USED UNDER BORROW TYPE 'A' IN AREAS WITHOUT UNDERCUT EXCAVATION.

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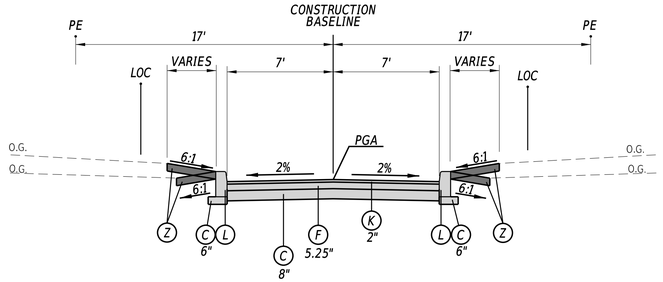
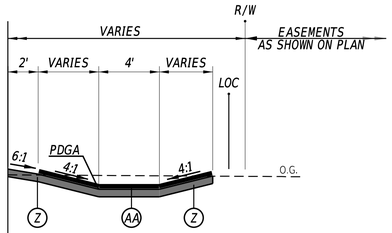
ADDENDA / REVISIONS	NOT TO SCALE	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	TYPICAL SECTIONS	SECTION WRA
			COUNTY SUSSEX	DESIGNED BY: J. SINCLAIR		SHEET NO. 16
				CHECKED BY: V. KOWALSKI		



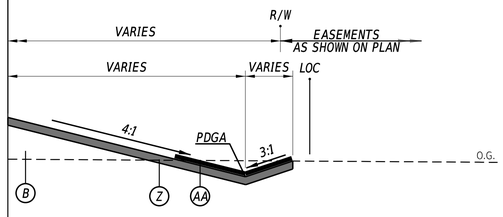
TYPICAL NORMAL SECTION - ACCESS ROAD 1

STATION 1300+02 TO STATION 1302+31

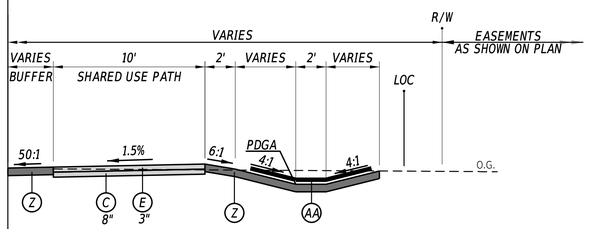
EAST CORNER



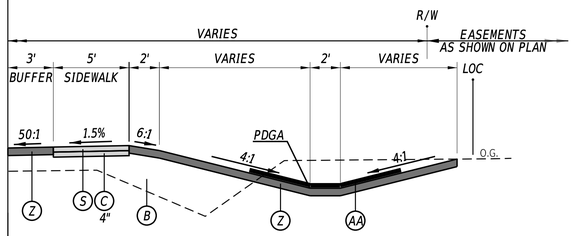
SOUTH CORNER

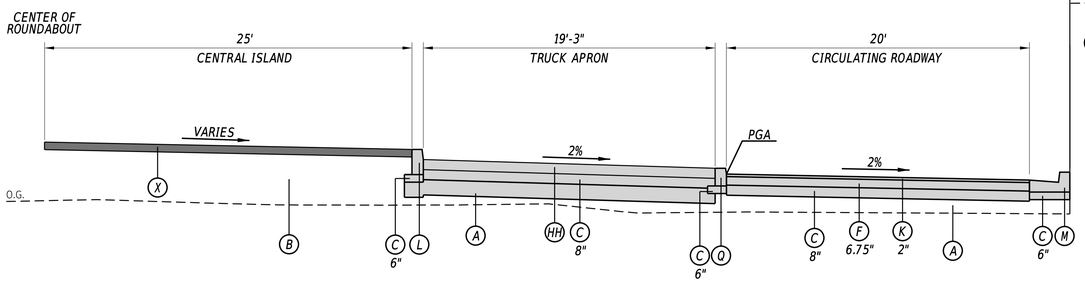


WEST CORNER



NORTH CORNER





TYPICAL SECTION - ROUNDABOUT

LEGEND

- (A) ITEM 209001 - BORROW, TYPE A
- (B) ITEM 209006 - BORROW, TYPE F
- (C) ITEM 301001 - GABC
- (D) ITEM 301002 - GABC, PATCHING
- (E) ITEM 401005 - SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)
- (F) ITEM 401016 - SUPERPAVE TYPE B, PG 76-22
- (G) ITEM 401014 - SUPERPAVE TYPE B, PG 64-22
- (H) ITEM 401029 - SUPERPAVE TYPE C, PG 64-22, PATCHING
- (I) ITEM 401030 - SUPERPAVE TYPE B, PG 64-22, PATCHING
- (K) ITEM 401046 - SUPERPAVE TYPE C, PG 76-22 (NON-CARBONATE STONE)
- (L) ITEM 701013 - PCC CURB, TYPE 1-8
- (M) ITEM 701018 - I.PCC CURB AND GUTTER, TYPE 1-8
- (N) ITEM 701023 - I.PCC CURB AND GUTTER, TYPE 3-8
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- (Q) ITEM 701027 - PCC CURB, TYPE 1-2 ROUNDABOUT
- (R) ITEM 701500 - PCC CURB, TYPE 1, MODIFIED (MAX HT 12")
- (S) ITEM 705001 - PCC SIDEWALK, 4"
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- (U) ITEM 705005 - PCC SIDEWALK, 8"
- (V) ITEM 709001 - PERFORATED PIPE UNDERDRAINS, 6" (WHERE SHOWN ON PLANS)
- (X) ITEM 908005 - TOPSOIL, 12" DEPTH
  ITEM 908501 - NATIVE GRASS SEEDING, NO MOW MIX
- (Y) ITEM 760012 - PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, VARIABLE DEPTH
- (Z) ITEM 908004 - TOPSOIL, 6" DEPTH
  ITEM 908016 - PERMANENT GRASS SEEDING, SUBDIVISION
  ITEM 908026 - EROSION CONTROL MULCH
- (AA) ITEM 908020 - EROSION CONTROL BLANKET MULCH (8' MIN. WIDTH)
- (BB) SAFETY EDGE (INCIDENTAL TO RESPECTIVE SUPERPAVE ITEMS)
- (CC) ITEM 401036 - SUPERPAVE TYPE C, PG 64-22, WEDGE
- (EE) ITEM 701010 - PCC CURB, TYPE 1-2
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		MINIMUM	MAXIMUM
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TYPE C (9.5 MM MIX)	ALL	1.25	2.0
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   SAVANNAH ROAD - CONCRETE WITH HOT MIX OVERLAY
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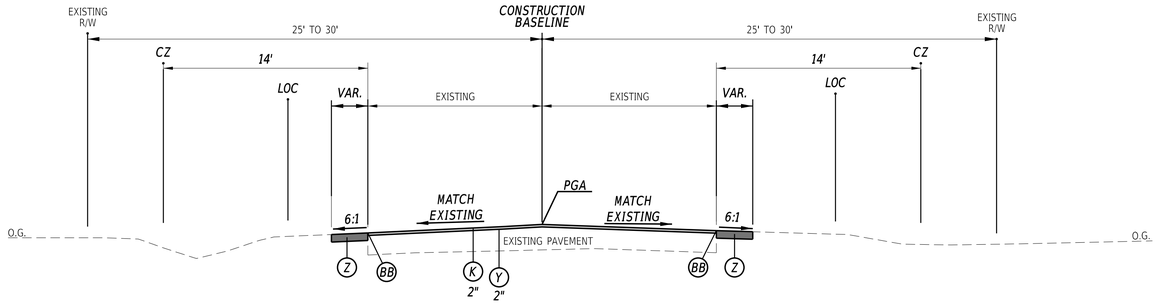
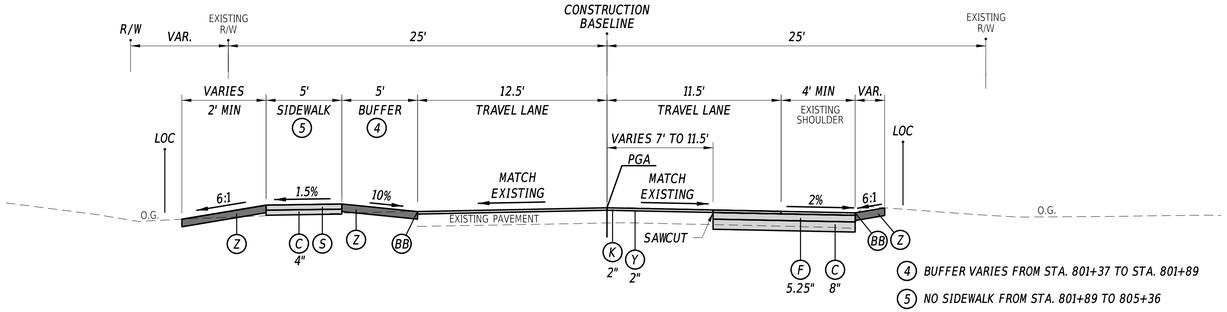
ADDENDA / REVISIONS		NOT TO SCALE	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT	T201609601	BRIDGE NO.	N/A	TYPICAL SECTIONS	SECTION	WRA
				COUNTY	SUSSEX	DESIGNED BY:	J. SINCLAIR		SHEET NO.	17
						CHECKED BY:	V. KOWALSKI			



TYPICAL NORMAL SECTION - RESURFACING

STATION 503+81 TO STATION 504+68 (SAVANNAH ROAD)
STATION 599+47 TO STATION 601+31 (WESCOATS ROAD)
STATION 805+36 TO STATION 808+63 (OLD ORCHARD ROAD WEST)
STATION 1101+00 TO STATION 1101+60 (MARSH ROAD)
STATION 1116+50 TO STATION 1117+27 (CLAY ROAD)

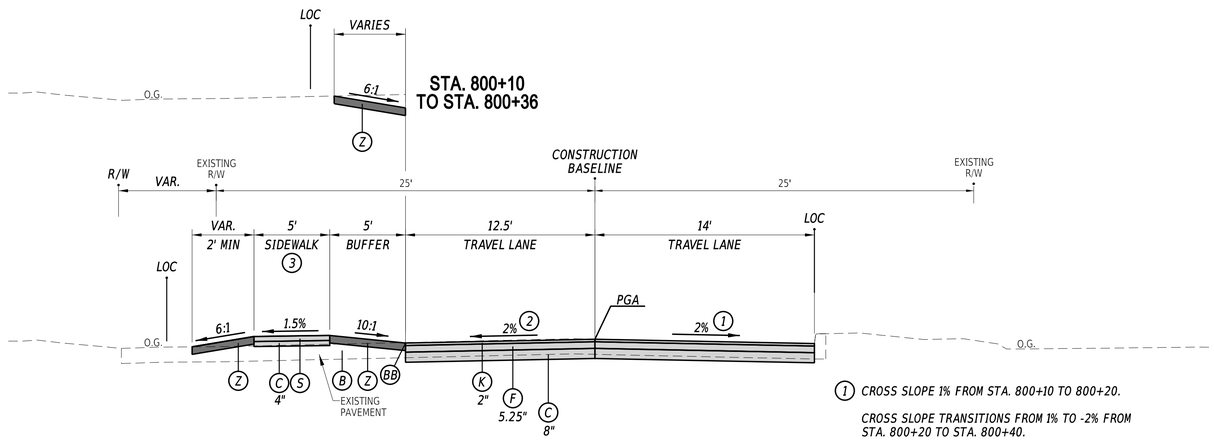


4 BUFFER VARIES FROM STA. 801+37 TO STA. 801+89

5 NO SIDEWALK FROM STA. 801+89 TO 805+36

TYPICAL NORMAL SECTION - OLD ORCHARD ROAD WEST

STATION 801+00 TO STATION 805+36



TYPICAL NORMAL SECTION - OLD ORCHARD ROAD WEST

STATION 800+10 TO STATION 801+00
STATION 808+63 TO STATION 809+25

1 CROSS SLOPE 1% FROM STA. 800+10 TO 800+20.

CROSS SLOPE TRANSITIONS FROM 1% TO -2% FROM STA. 800+20 TO STA. 800+40.

2 CROSS SLOPE 1% FROM STA. 800+10 TO 800+20.

CROSS SLOPE TRANSITIONS FROM 1% TO 2% FROM STA. 800+20 TO STA. 800+40.

3 NO SIDEWALK FROM STA. 808+63 TO 809+25

LEGEND

- (A) ITEM 209001 - BORROW, TYPE A
- (B) ITEM 209006 - BORROW, TYPE F
- (C) ITEM 301001 - GABC
- (D) ITEM 301002 - GABC, PATCHING
- (E) ITEM 401005 - SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)
- (F) ITEM 401016 - SUPERPAVE TYPE B, PG 76-22
- (G) ITEM 401014 - SUPERPAVE TYPE B, PG 64-22
- (H) ITEM 401029 - SUPERPAVE TYPE C, PG 64-22, PATCHING
- (I) ITEM 401030 - SUPERPAVE TYPE B, PG 64-22, PATCHING
- (K) ITEM 401046 - SUPERPAVE TYPE C, PG 76-22 (NON-CARBONATE STONE)
- (L) ITEM 701013 - PCC CURB, TYPE 1-8
- (M) ITEM 701018 - I.PCC CURB AND GUTTER, TYPE 1-8
- (N) ITEM 701023 - I.PCC CURB AND GUTTER, TYPE 3-8
- (P) ITEM 701025 - PCC CURB TYPE 2 ROUNDABOUT
- (Q) ITEM 701027 - PCC CURB, TYPE 1-2 ROUNDABOUT
- (R) ITEM 701500 - PCC CURB, TYPE 1, MODIFIED (MAX HT 12")
- (S) ITEM 705001 - PCC SIDEWALK, 4"
- (T) ITEM 705002 - PCC SIDEWALK, 6"
- (U) ITEM 705005 - PCC SIDEWALK, 8"
- (V) ITEM 709001 - PERFORATED PIPE UNDERDRAINS, 6" (WHERE SHOWN ON PLANS)
- (X) ITEM 908005 - TOPSOIL, 12" DEPTH
  ITEM 908501 - NATIVE GRASS SEEDING, NO MOW MIX
- (Y) ITEM 760012 - PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT, VARIABLE DEPTH
- (Z) ITEM 908004 - TOPSOIL, 6" DEPTH
  ITEM 908016 - PERMANENT GRASS SEEDING, SUBDIVISION
  ITEM 908026 - EROSION CONTROL MULCH
- (AA) ITEM 908020 - EROSION CONTROL BLANKET MULCH (8' MIN. WIDTH)
- (BB) SAFETY EDGE (INCIDENTAL TO RESPECTIVE SUPERPAVE ITEMS)
- (CC) ITEM 401036 - SUPERPAVE TYPE C, PG 64-22, WEDGE
- (EE) ITEM 701010 - PCC CURB, TYPE 1-2
- (FF) ITEM 701012 - PCC CURB, TYPE 1-6
- (GG) ITEM 701022 - I.PCC CURB AND GUTTER, TYPE 3-6
- (HH) ITEM 705521 - PATTERNED PCC SIDEWALK, 8" (RED, 4"x8" HERRINGBONE PATTERN)
- (JJ) ITEM 302005 - DELAWARE NO. 57 STONE
- (KK) ITEM 708002 - GEOTEXTILES, SEPARATION

MATERIAL TYPE	BINDER GRADE	LIFT THICKNESS (IN)	
		MINIMUM	MAXIMUM
TYPE C (4.75 MM MIX)	ALL	0.5	1.0
TYPE C (9.5 MM MIX)	ALL	1.25	2.0
TYPE C (12.5 MM MIX)	ALL	1.5	2.0
TYPE B (19 MM MIX)	76-22, 70-22	2.25	4.0
TYPE B (19 MM MIX)	64-22	2.25	6.0
TYPE BCBC (25 MM MIX)	64-22	3.0	6.0
GABC	-	4.0	8.0

NOTES:

1. PGA - POINT OF GRADE APPLICATION
   PDGA - POINT OF DITCH GRADE APPLICATION
   P/R - POINT OF ROTATION
2. THE PGA IS APPLIES TO THE TOP OF THE FINAL PAVEMENT SURFACE.
   IN AREAS WHERE THE PGA IS LOCATED WITHIN THE RAISED MEDIAN, ITS VERTICAL LOCATION SHALL BE THE TOP OF ADJACENT PAVEMENT ELEVATION PROJECTED AT THE PROPOSED CROSS SLOPE TO THE CONSTRUCTION BASELINE.
3. LATERAL OFFSET IS A MINIMUM OF 4' BEHIND THE FACE OF CURB ALONG THE ROADWAY AND 6' BEHIND THE FACE OF CURB AT INTERSECTIONS AND ENTRANCES. REFER TO THE CONSTRUCTION PLAN SHEETS FOR THE LOCATION OF THE CLEAR ZONE AREA LIMITS.
4. WHEN PROPOSED WIDENING IS LESS THAN 4', USE PROPOSED PATCHING PAVEMENT ITEMS AT THE SAME DEPTH AS INDICATED ON TYPICAL SECTION.
5. EXISTING PAVEMENT:
   WESCOATS ROAD - CONCRETE WITH HOT MIX OVERLAY
   MARSH ROAD - HOT MIX ASPHALT
   CLAY ROAD - HOT MIX ASPHALT
   SAVANNAH ROAD - CONCRETE WITH HOT MIX OVERLAY
   OLD ORCHARD ROAD - HOT MIX ASPHALT
   AUSTIN STREET- HOT MIX ASPHALT
6. BORROW TYPE 'A' SHALL BE USED AS FILL UNDER ROADWAY FOOTPRINT. MATERIAL MEETING BORROW TYPE 'F' SHALL BE USED OUTSIDE OF ROADWAY FOOTPRINT. ROADWAY FOOTPRINT IS DEFINED AS OUTSIDE EDGE OF ROADWAY PAVEMENT OR CURB AND GUTTER. USE OF BORROW TYPE 'A' SHALL BE LIMITED TO A MAXIMUM OF 1 FOOT BELOW PAVEMENT SUBGRADE WHERE EXISTING MATERIAL DOES NOT MEET THE REQUIREMENTS OF BORROW TYPE 'A'. BORROW TYPE 'B' WITH GEOTEXTILES, SEPARATION SHALL BE USED FOR BACKFILLING UNDERCUT AREAS AS DIRECTED BY THE ENGINEER. BORROW TYPE 'F' SHALL BE USED UNDER BORROW TYPE 'A' IN AREAS WITHOUT UNDERCUT EXCAVATION.

ADDENDA / REVISIONS			

NOT TO SCALE

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY:	J. SINCLAIR
COUNTY	CHECKED BY:	V. KOWALSKI
SUSSEX		

TYPICAL SECTIONS

SECTION
WRA
SHEET NO.
18

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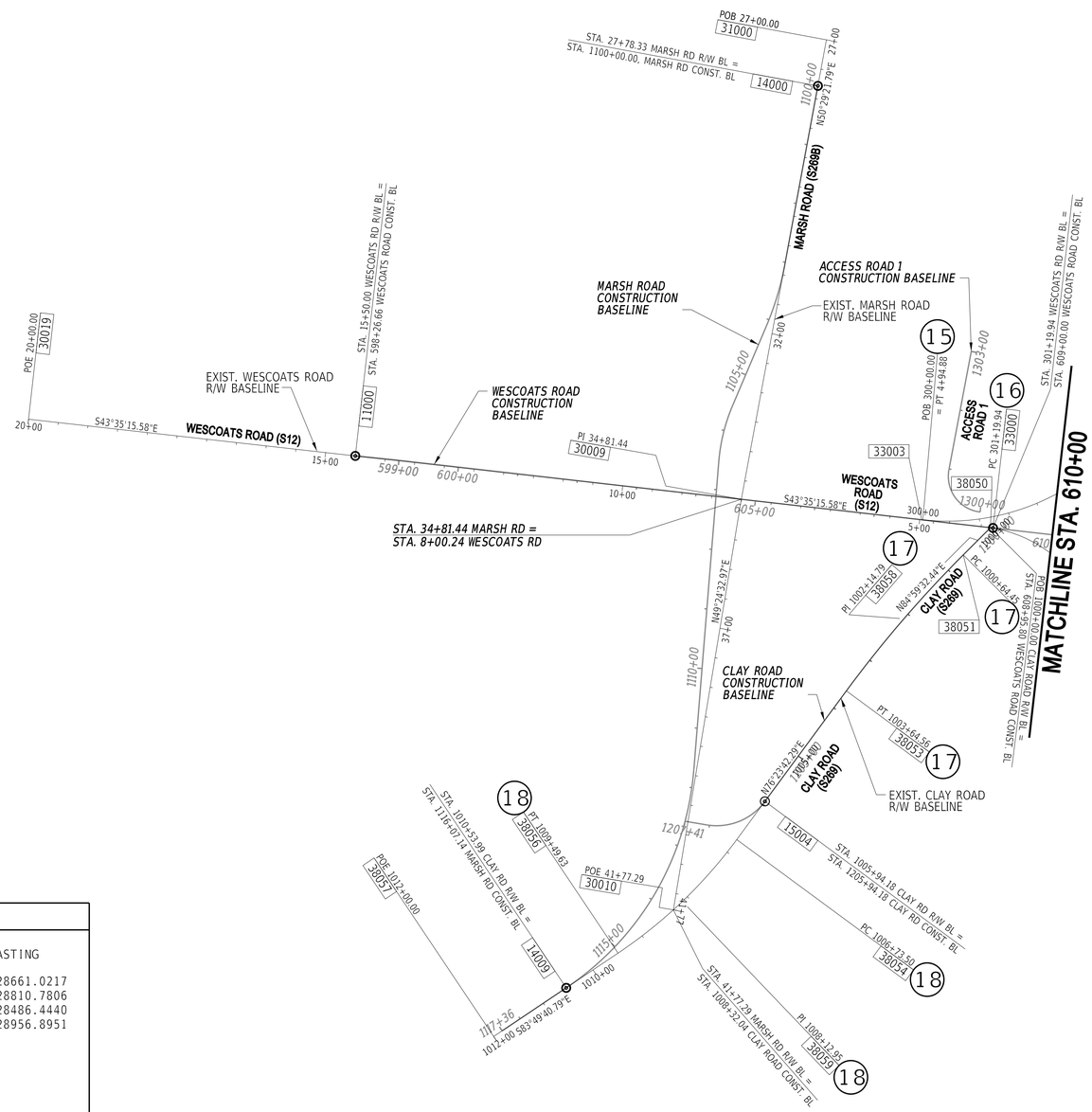
CONSTRUCTION ALIGNMENT CONTROL - EXISTING WESCOATS ROAD R/W BASELINE				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
32000	5+00.00	0.00'	273737.8543	728678.5268
32001	10+00.00	0.00'	273375.6942	729023.2586
32002	15+00.00	0.00'	273013.5340	729367.9904
30019	20+00.00	0.00'	272651.3754	729712.7207

CONSTRUCTION ALIGNMENT CONTROL - CONSTRUCTION BASELINES				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
11000	598+26.66	0.00'	273049.7500	729333.5172
14000	1100+00.00	0.00'	273073.0535	728343.0726
14009	1116+07.14	0.00'	273957.9064	729635.1069
15004	1205+94.18	0.00'	273932.6572	729180.0717

CONSTRUCTION ALIGNMENT CONTROL - EXISTING MARSH ROAD R/W BASELINE				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
31000	27+00.00	0.00'	273032.0884	728282.6421
31001	32+00.00	0.00'	273341.3299	728668.3951
30009	34+81.44	0.00'	273520.3880	728885.5279
31002	39+00.00	0.00'	273792.7253	729203.3721
30010	41+77.29	0.00'	273973.1462	729413.9409

CONSTRUCTION ALIGNMENT CONTROL - EXISTING CLAY ROAD R/W BASELINE				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
38057	1012+00.00	0.00'	273942.2081	729780.2728

CONSTRUCTION ALIGNMENT CONTROL - EXISTING WESCOATS ROAD R/W BASELINE				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
33003	300+00.00	0.00'	273740.5762	728676.4909



CIRCULAR CURVE NO. 17			
	STATION	NORTHING	EASTING
Element: Circular			
PC(38051)	1000+64.45	273830.1604	728661.0217
PI(38058)	1002+14.79	273843.2827	728810.7806
CC(38052)		275822.5265	728486.4440
PT(38053)	1003+64.56	273878.6448	728956.8951
Radius:	2000.00		
Delta:	8°35'50.1430" Left		
Degree of Curvature:	2°51'53.2403"		
Length:	300.10		
Tangent:	150.33		
Chord:	299.82		
Middle Ordinate:	5.63		
External:	5.64		
Tangent Direction:	N 84°59'32.44" E		
Radial Direction:	S 5°00'27.56" E		
Chord Direction:	N 80°41'37.36" E		
Radial Direction:	S 13°36'17.71" E		
Tangent Direction:	N 76°23'42.29" E		

CIRCULAR CURVE NO. 18			
	STATION	NORTHING	EASTING
Element: Circular			
PC(38054)	1006+73.50	273951.3156	729257.1671
PI(38059)	1008+12.95	273984.1193	729392.7104
CC(38055)		273173.7629	729445.3475
PT(38056)	1009+49.63	273969.1258	729531.3584
Radius:	800.00		
Delta:	19°46'36.9186" Right		
Degree of Curvature:	7°09'43.1008"		
Length:	276.14		
Tangent:	139.46		
Chord:	274.77		
Middle Ordinate:	11.88		
External:	12.06		
Tangent Direction:	N 76°23'42.29" E		
Radial Direction:	S 13°36'17.71" E		
Chord Direction:	N 86°17'00.75" E		
Radial Direction:	S 6°10'19.21" W		
Tangent Direction:	S 83°49'40.79" E		

NOTES:

1. *SEE SHEETS 22 AND 23 FOR TRAVERSE POINT INFORMATION.*

DATUM REFERENCE:

HORIZONTAL - THIS PROJECT IS REFERENCED TO THE DELAWARE STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM OF 1983 (NAD 83 / 2011 / EPOCH 2010.00).

VERTICAL - THIS PROJECT IS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88 BASED ON MODELED GEOID 12A).

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ADDENDA / REVISIONS	

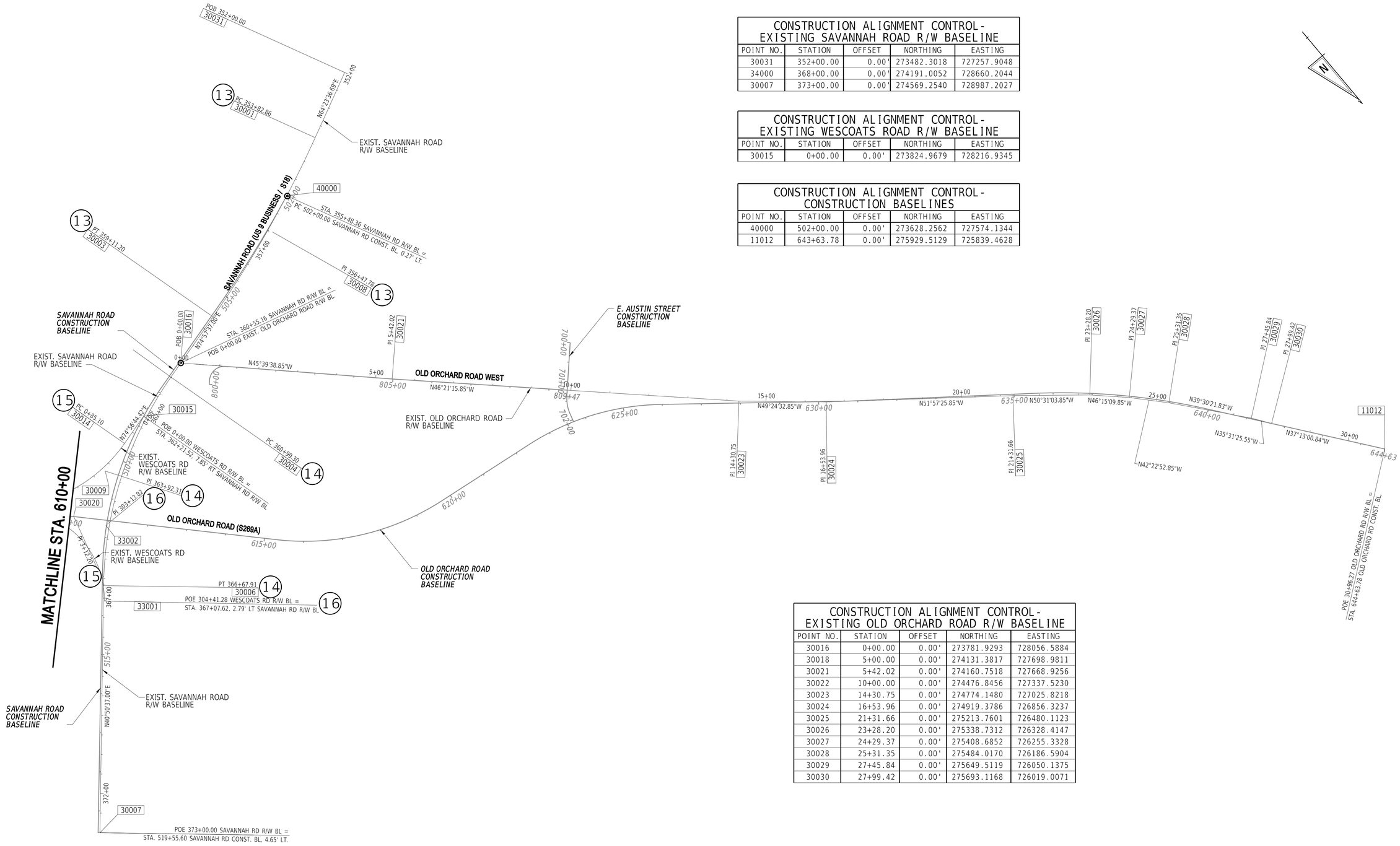
SCALE
0 120 240 360
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	T201609601
COUNTY	SUSSEX
BRIDGE NO.	N/A
DESIGNED BY:	J. SINCLAIR
CHECKED BY:	V. KOWALSKI

HORIZONTAL AND VERTICAL CONTROL

SECTION	WRA
SHEET NO.	19



CONSTRUCTION ALIGNMENT CONTROL - EXISTING SAVANNAH ROAD R/W BASELINE

POINT NO.	STATION	OFFSET	NORTHING	EASTING
30031	352+00.00	0.00'	273482.3018	727257.9048
34000	368+00.00	0.00'	274191.0052	728660.2044
30007	373+00.00	0.00'	274569.2540	728987.2027

CONSTRUCTION ALIGNMENT CONTROL - EXISTING WESCOATS ROAD R/W BASELINE

POINT NO.	STATION	OFFSET	NORTHING	EASTING
30015	0+00.00	0.00'	273824.9679	728216.9345

CONSTRUCTION ALIGNMENT CONTROL - CONSTRUCTION BASELINES

POINT NO.	STATION	OFFSET	NORTHING	EASTING
40000	502+00.00	0.00'	273628.2562	727574.1344
11012	643+63.78	0.00'	275929.5129	725839.4628

CONSTRUCTION ALIGNMENT CONTROL - EXISTING OLD ORCHARD ROAD R/W BASELINE

POINT NO.	STATION	OFFSET	NORTHING	EASTING
30016	0+00.00	0.00'	273781.9293	728056.5884
30018	5+00.00	0.00'	274131.3817	727698.9811
30021	5+42.02	0.00'	274160.7518	727668.9256
30022	10+00.00	0.00'	274476.8456	727337.5230
30023	14+30.75	0.00'	274774.1480	727025.8218
30024	16+53.96	0.00'	274919.3786	726856.3237
30025	21+31.66	0.00'	275213.7601	726480.1123
30026	23+28.20	0.00'	275338.7312	726328.4147
30027	24+29.37	0.00'	275408.6852	726255.3328
30028	25+31.35	0.00'	275484.0170	726186.5904
30029	27+45.84	0.00'	275649.5119	726050.1375
30030	27+99.42	0.00'	275693.1168	726019.0071

NOTES:

1. *SEE SHEETS 22 AND 23 FOR TRAVERSE POINT INFORMATION.*
2. *SEE SHEET 21 FOR CURVE DATA CHARTS.*

DATUM REFERENCE:

HORIZONTAL - THIS PROJECT IS REFERENCED TO THE DELAWARE STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM OF 1983 (NAD 83 / 2011 / EPOCH 2010.00).

VERTICAL - THIS PROJECT IS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88 BASED ON MODELED GEOID 12A).

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ADDENDA / REVISIONS			

SCALE
0 120 240 360
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY:	J. SINCLAIR
COUNTY	CHECKED BY:	V. KOWALSKI
SUSSEX		

HORIZONTAL AND VERTICAL CONTROL

SECTION
WRA
SHEET NO.
20

CIRCULAR CURVE NO. (13)

		STATION	NORTHING	EASTING
Element: Circular				
PC (30001)		353+82.86	273561.3326	727422.8069
PI (30008)		356+47.78	273675.8279	727661.7077
CC (30002)			270977.9117	728660.9338
PT (30003)		359+11.20	273744.5716	727917.5533
Radius:	2864.79			
Delta:	10°34'00.3079" Right			
Degree of Curvature(Arc):	1°59'59.9974"			
Length:	528.34			
Tangent:	264.92			
Chord:	527.59			
Middle Ordinate:	12.17			
External:	12.22			
Tangent Direction:	N 64°23'36.69" E			
Radial Direction:	S 25°36'23.31" E			
Chord Direction:	N 69°40'36.85" E			
Radial Direction:	S 15°02'23.00" E			
Tangent Direction:	N 74°57'37.00" E			

CIRCULAR CURVE NO. (14)

		STATION	NORTHING	EASTING
Element: Circular				
PC (30004)		360+99.30	273793.3815	728099.2102
PI (30009)		363+92.31	273869.4155	728382.1881
CC (30005)			274715.6014	727851.4167
PT (30006)		366+67.91	274091.0805	728573.8188
Radius:	954.93			
Delta:	34°07'00.0000" Left			
Degree of Curvature(Arc):	5°59'59.9923"			
Length:	568.61			
Tangent:	293.01			
Chord:	560.25			
Middle Ordinate:	42.01			
External:	43.94			
Tangent Direction:	N 74°57'37.00" E			
Radial Direction:	S 15°02'23.00" E			
Chord Direction:	N 57°54'07.00" E			
Radial Direction:	S 49°09'23.00" E			
Tangent Direction:	N 40°50'37.00" E			

CIRCULAR CURVE NO. (15)

		STATION	NORTHING	EASTING
Element: Circular				
PC (30014)		0+85.10	273847.0714	728299.1139
PI (30020)		3+12.20	273906.0569	728518.4188
CC (30013)			273478.2088	728398.3253
PT (30012)		4+94.88	273741.5645	728674.9952
Radius:	381.97			
Delta:	61°28'00.0000" Right			
Degree of Curvature(Arc):	15°00'00.0000"			
Length:	409.78			
Tangent:	227.10			
Chord:	390.41			
Middle Ordinate:	53.65			
External:	62.41			
Tangent Direction:	N 74°56'44.42" E			
Radial Direction:	S 15°03'15.58" E			
Chord Direction:	S 74°19'15.58" E			
Radial Direction:	S 46°24'44.42" W			
Tangent Direction:	S 43°35'15.58" E			

CIRCULAR CURVE NO. (16)

		STATION	NORTHING	EASTING
Element: Circular				
PC(33000)		301+19.94	273827.5782	728593.9242
PI(33002)		303+13.82	273976.8577	728470.2222
CC(33010)			273973.0556	728769.4814
PT(33001)		304+41.28	274122.9462	728597.6768
Radius:	228.00			
Delta:	80°45'00.7250" Right			
Degree of Curvature:	25°07'47.0083"			
Length:	321.33			
Tangent:	193.87			
Chord:	295.39			
Middle Ordinate:	54.31			
External:	71.28			
Tangent Direction:	N 39°38'49.92" W			
Radial Direction:	N 50°21'10.08" E			
Chord Direction:	N 0°43'40.41" E			
Radial Direction:	S 48°53'49.20" E			
Tangent Direction:	N 41°06'10.80" E			

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ADDENDA / REVISIONS		NOT TO SCALE	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT	BRIDGE NO.	N/A	HORIZONTAL AND VERTICAL CONTROL	SECTION
				T201609601	DESIGNED BY:	J. SINCLAIR		WRA
				COUNTY	CHECKED BY:	V. KOWALSKI		SHEET NO.
				SUSSEX				21

CONSTRUCTION ALIGNMENT CONTROL
WESCOATS ROAD (S12)

POINT NO.	STATION	OFFSET	NORTHING	EASTING
11000	598+26.66	0.00'	273049.7500	729333.5172
11001	604+33.67	0.00'	273489.3355	728914.9236
11013	599+00.00	0.00'	273102.2324	729282.2926
11014	610+00.00	0.00'	273900.1157	728525.0846

CONSTRUCTION ALIGNMENT CONTROL
MARSH ROAD (S269B)

POINT NO.	STATION	OFFSET	NORTHING	EASTING
14000	1100+00.00	0.00'	273073.0535	728343.0726
14010	1117+36.20	0.00'	273944.0303	729763.4226
14011	1110+00.00	0.00'	273694.8565	729117.7918

CONSTRUCTION ALIGNMENT CONTROL
CLAY ROAD (S269)

POINT NO.	STATION	OFFSET	NORTHING	EASTING
15000	1200+00.00	0.00'	273824.5342	728596.8130
15007	1207+41.36	0.00'	273872.2488	729303.6994

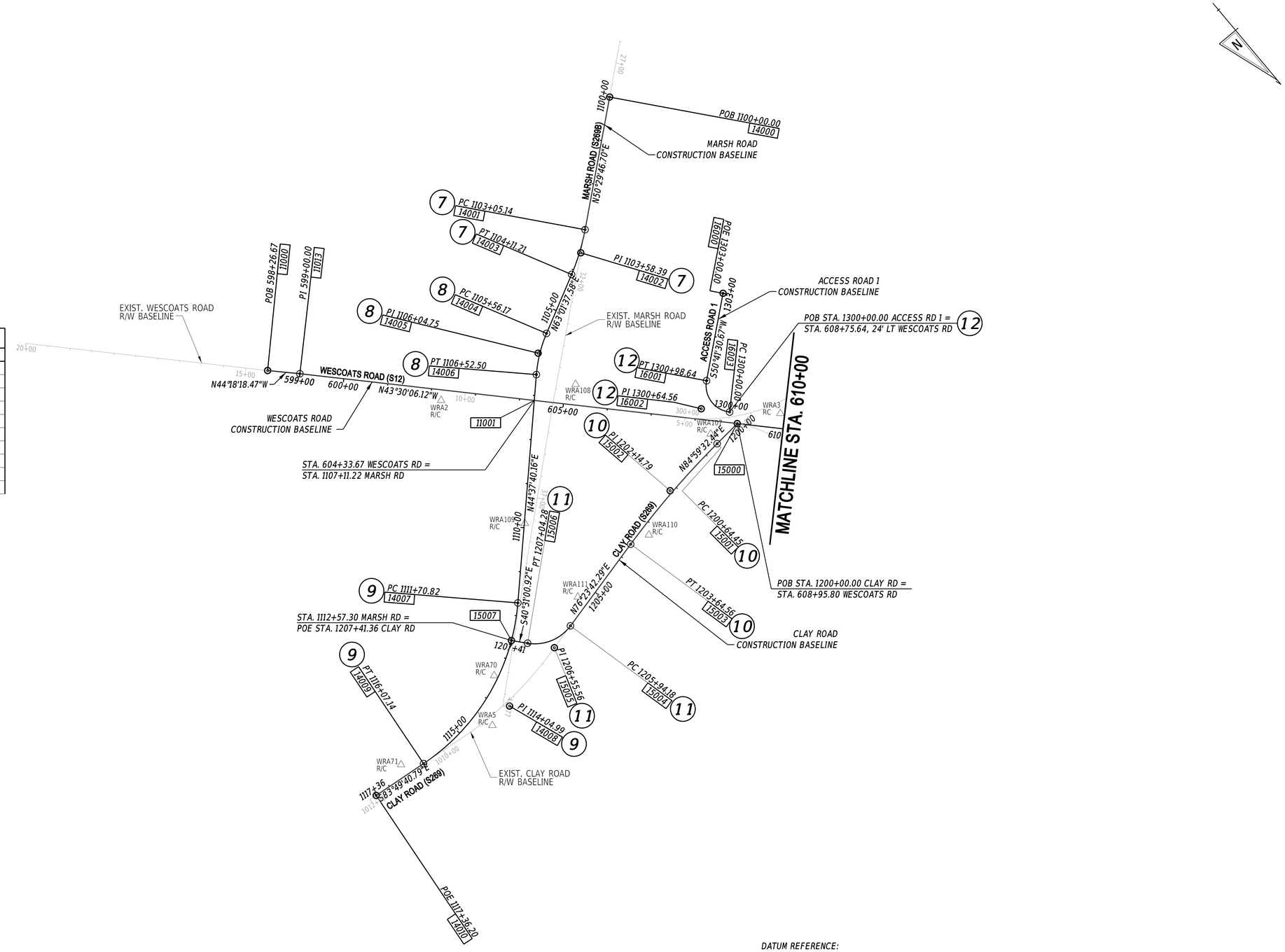
CONSTRUCTION ALIGNMENT CONTROL
WALGREENS DRIVEWAY

POINT NO.	STATION	OFFSET	NORTHING	EASTING
16000	1303+00.00	0.00'	273578.1092	728431.9610
16003	1300+00.00	0.00'	273793.3969	728593.2757

HORIZONTAL / VERTICAL CONTROL DATA

POINT NO.	STATION	OFFSET	NORTHING	EASTING	ELEV.
WRA2	602+24.15	23.62'	273353.6069	729076.2909	24.06'
WRA3	609+90.06	-33.83'	273869.6198	728507.3890	26.15'
WRA5	1114+41.67	-45.55'	273991.8748	729460.2306	21.91'
WRA70	1113+46.17	9.57'	273907.7945	729384.6142	23.23'
WRA71	1116+50.67	26.34'	273927.0359	729675.5559	21.75'
WRA107	1200+59.18	25.86'	273803.9363	728658.0284	24.96'
WRA108	605+22.32	-46.86'	273521.3718	728819.9147	25.71'
WRA109	1109+89.97	-1.23'	273688.5832	729109.8738	22.81'
WRA110	1203+22.84	-20.24'	273889.0225	728911.8997	23.41'
WRA111	1205+31.74	25.45'	273893.2387	729125.3780	25.06'

*OFFSETS SHOWN IN THE ALIGNMENT CONTROL TABLES WITH A MINUS SIGN ARE MEASURED TO THE LEFT OF THE CONSTRUCTION BASELINE.



NOTES:

1. *SEE SHEET 24 AND 25 FOR CURVE DATA CHARTS.*

DATUM REFERENCE:

HORIZONTAL - THIS PROJECT IS REFERENCED TO THE DELAWARE STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM OF 1983 (NAD 83 / 2011 / EPOCH 2010.00).

VERTICAL - THIS PROJECT IS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88 BASED ON MODELED GEOID 12A).

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ADDENDA / REVISIONS		SCALE	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT	BRIDGE NO.	N/A	HORIZONTAL AND VERTICAL CONTROL	SECTION
		0 120 240 360		T201609601				WRA
		FEET		COUNTY	DESIGNED BY: J. SINCLAIR			SHEET NO.
				SUSSEX	CHECKED BY: V. KOWALSKI			22

CONSTRUCTION ALIGNMENT CONTROL
SAVANNAH ROAD (S18)

POINT NO.	STATION	OFFSET	NORTHING	EASTING
10000	502+00.00	0.00'	273628.2562	727574.1344
10006	520+18.80	0.00'	274613.9084	729032.1625
10007	515+00.00	0.00'	274222.2679	728691.9135

CONSTRUCTION ALIGNMENT CONTROL
OLD ORCHARD RD (S269A)

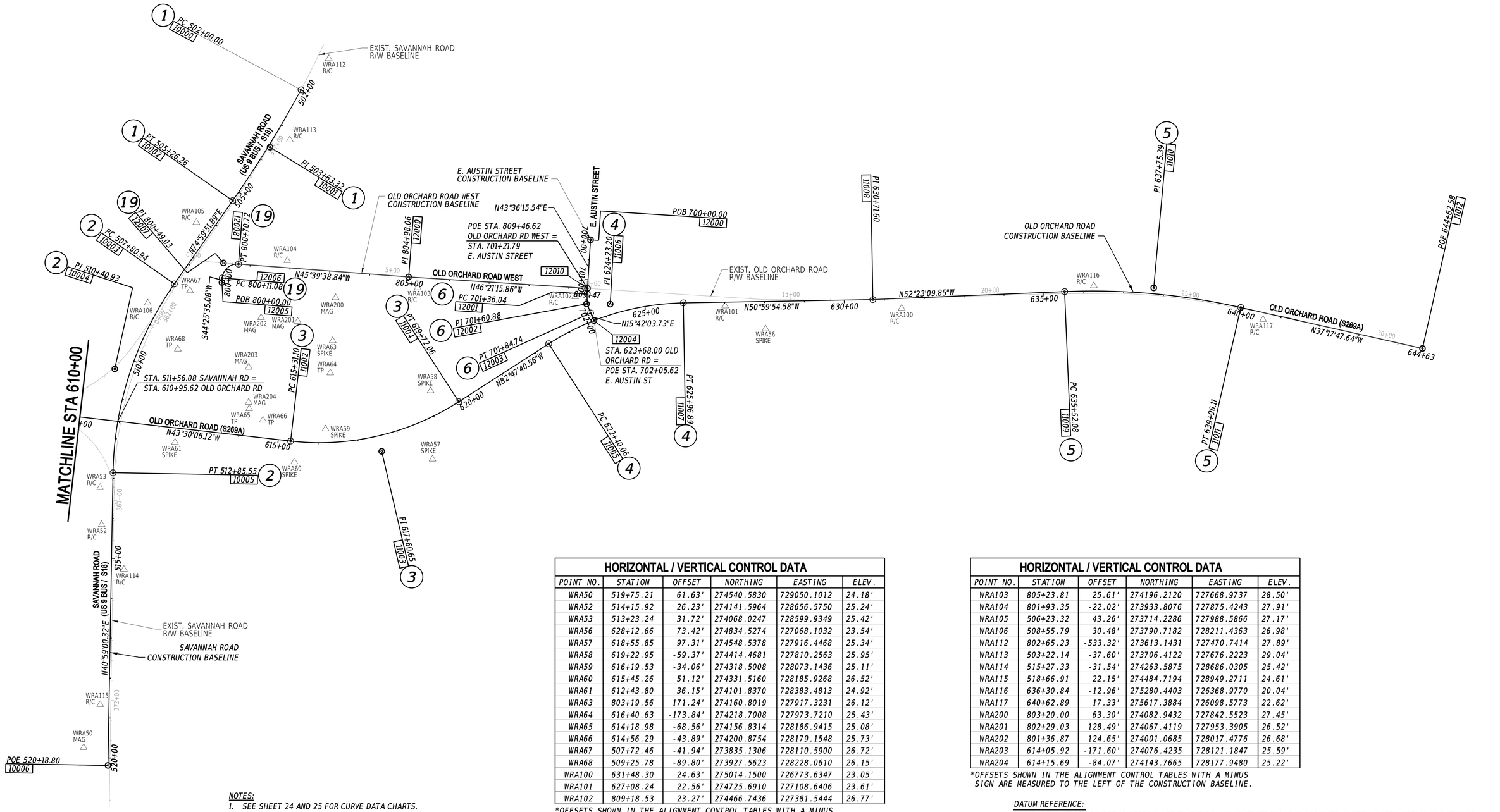
POINT NO.	STATION	OFFSET	NORTHING	EASTING
11008	630+71.59	0.00'	274951.2403	726814.9274
11012	643+63.78	0.00'	275929.5129	725839.4628
11015	615+00.00	0.00'	274262.7987	728180.8908
11016	635+00.00	0.00'	275212.7150	726475.5663

CONSTRUCTION ALIGNMENT CONTROL
E. AUSTIN STREET

POINT NO.	STATION	OFFSET	NORTHING	EASTING
12000	700+00.00	0.00'	274382.1564	727260.3481
12004	702+05.62	0.00'	274542.6766	727383.6788

CONSTRUCTION ALIGNMENT CONTROL
OLD ORCHARD RD WEST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
12005	800+00.00	0.00'	273870.5695	728036.0254
12009	804+98.06	0.00'	274160.7518	727668.9256
12010	809+46.62	0.00'	274470.3433	727344.3401



HORIZONTAL / VERTICAL CONTROL DATA

POINT NO.	STATION	OFFSET	NORTHING	EASTING	ELEV.
WRA50	519+75.21	61.63'	274540.5830	729050.1012	24.18'
WRA52	514+15.92	26.23'	274141.5964	728656.5750	25.24'
WRA53	513+23.24	31.72'	274068.0247	728599.9349	25.42'
WRA56	628+12.66	73.42'	274834.5274	727068.1032	23.54'
WRA57	618+55.85	97.31'	274548.5378	727916.4468	25.34'
WRA58	619+22.95	-59.37'	274414.4681	727810.2563	25.95'
WRA59	616+19.53	-34.06'	274318.5008	728073.1436	25.11'
WRA60	615+45.26	51.12'	274331.5160	728185.9268	26.52'
WRA61	612+43.80	36.15'	274101.8370	728383.4813	24.92'
WRA63	803+19.56	171.24'	274160.8019	727917.3231	26.12'
WRA64	616+40.63	-173.84'	274218.7008	727973.7210	25.43'
WRA65	614+18.98	-68.56'	274156.8314	728186.9415	25.08'
WRA66	614+56.29	-43.89'	274200.8754	728179.1548	25.73'
WRA67	507+72.46	-41.94'	273835.1306	728110.5900	26.72'
WRA68	509+25.78	-89.80'	273927.5623	728228.0610	26.15'
WRA100	631+48.30	24.63'	275014.1500	726773.6347	23.05'
WRA101	627+08.24	22.56'	274725.6910	727108.6406	23.61'
WRA102	809+18.53	23.27'	274466.7436	727381.5444	26.77'

*OFFSETS SHOWN IN THE ALIGNMENT CONTROL TABLES WITH A MINUS SIGN ARE MEASURED TO THE LEFT OF THE CONSTRUCTION BASELINE.

HORIZONTAL / VERTICAL CONTROL DATA

POINT NO.	STATION	OFFSET	NORTHING	EASTING	ELEV.
WRA103	805+23.81	25.61'	274196.2120	727668.9737	28.50'
WRA104	801+93.35	-22.02'	273933.8076	727875.4243	27.91'
WRA105	506+23.32	43.26'	273714.2286	727988.5866	27.17'
WRA106	508+55.79	30.48'	273790.7182	728211.4363	26.98'
WRA112	802+65.23	-533.32'	273613.1431	727470.7414	27.89'
WRA113	503+22.14	-37.60'	273706.4122	727676.2223	29.04'
WRA114	515+27.33	-31.54'	274263.5875	728686.0305	25.42'
WRA115	518+66.91	22.15'	274484.7194	728949.2711	24.61'
WRA116	636+30.84	-12.96'	275280.4403	726368.9770	20.04'
WRA117	640+62.89	17.33'	275617.3884	726098.5773	22.62'
WRA200	803+20.00	63.30'	274082.9432	727842.5523	27.45'
WRA201	802+29.03	128.49'	274067.4119	727953.3905	26.52'
WRA202	801+36.87	124.65'	274001.0685	728017.4776	26.68'
WRA203	614+05.92	-171.60'	274076.4235	728121.1847	25.59'
WRA204	614+15.69	-84.07'	274143.7665	728177.9480	25.22'

*OFFSETS SHOWN IN THE ALIGNMENT CONTROL TABLES WITH A MINUS SIGN ARE MEASURED TO THE LEFT OF THE CONSTRUCTION BASELINE.

NOTES:
1. SEE SHEET 24 AND 25 FOR CURVE DATA CHARTS.

DATUM REFERENCE:
HORIZONTAL - THIS PROJECT IS REFERENCED TO THE DELAWARE STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM OF 1983 (NAD 83 / 2011 / EPOCH 2010.00).

VERTICAL - THIS PROJECT IS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88 BASED ON MODELED GEOID 12A).

ADDENDA / REVISIONS

SCALE
0 120 240 360
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO. N/A
T201609601	DESIGNED BY: J. SINCLAIR
COUNTY	CHECKED BY: V. KOWALSKI
SUSSEX	

HORIZONTAL AND VERTICAL CONTROL

SECTION
WRA
SHEET NO.
23

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CIRCULAR CURVE NO. 1

	STATION	NORTHING	EASTING
Element: Circular			
PC (10000)	502+00.00	273628.2562	727574.1344
PI (10001)	503+63.32	273688.6166	727725.8872
CC (20001)		271031.1580	728607.1424
PT (10002)	505+26.26	273730.8922	727883.6371
Radius:	2795.00		
Delta:	6°41'17.4098" Right		
Degree of Curvature(Arc):	2°02'59.7784"		
Length:	326.26		
Tangent:	163.32		
Chord:	326.08		
Middle Ordinate:	4.76		
External:	4.77		
Tangent Direction:	N 68°18'34.48" E		
Radial Direction:	S 21°41'25.52" E		
Chord Direction:	N 71°39'13.19" E		
Radial Direction:	S 15°00'08.11" E		
Tangent Direction:	N 74°59'51.89" E		

CIRCULAR CURVE NO. 2

	STATION	NORTHING	EASTING
Element: Circular			
PC (10003)	507+80.94	273796.8171	728129.6334
PI (10004)	510+40.93	273864.1166	728380.7592
CC (20002)		274617.8454	727909.6050
PT (10005)	512+85.55	274060.3809	728551.2694
Radius:	850.00		
Delta:	34°00'51.5707" Left		
Degree of Curvature(Arc):	6°44'26.4478"		
Length:	504.61		
Tangent:	259.99		
Chord:	497.24		
Middle Ordinate:	37.17		
External:	38.87		
Tangent Direction:	N 74°59'51.89" E		
Radial Direction:	S 15°00'08.11" E		
Chord Direction:	N 57°59'26.11" E		
Radial Direction:	S 49°00'59.68" E		
Tangent Direction:	N 40°59'00.32" E		

CIRCULAR CURVE NO. 3

	STATION	NORTHING	EASTING
Element: Circular			
PC (11002)	615+31.10	274285.3484	728159.4907
PI (11003)	617+60.65	274451.8530	728001.4743
CC (20003)		273842.7225	727693.0881
PT (11004)	619+72.06	274480.6447	727773.7375
Radius:	643.00		
Delta:	39°17'34.4400" Left		
Degree of Curvature(Arc):	8°54'38.5080"		
Length:	440.96		
Tangent:	229.55		
Chord:	432.37		
Middle Ordinate:	37.43		
External:	39.75		
Tangent Direction:	N 43°30'06.12" W		
Radial Direction:	N 46°29'53.88" E		
Chord Direction:	N 63°08'53.34" W		
Radial Direction:	N 7°12'19.44" E		
Tangent Direction:	N 82°47'40.56" W		

CIRCULAR CURVE NO. 4

	STATION	NORTHING	EASTING
Element: Circular			
PC (11005)	622+40.05	274514.2591	727507.8539
PI (11006)	624+23.19	274537.2297	727326.1605
CC (20004)		275152.1812	727588.5033
PT (11007)	625+96.88	274652.4870	727183.8372
Radius:	643.00		
Delta:	31°47'45.9872" Right		
Degree of Curvature(Arc):	8°54'38.5080"		
Length:	356.83		
Tangent:	183.14		
Chord:	352.27		
Middle Ordinate:	24.59		
External:	25.57		
Tangent Direction:	N 82°47'40.56" W		
Radial Direction:	N 7°12'19.44" E		
Chord Direction:	N 66°53'47.57" W		
Radial Direction:	N 39°00'05.42" E		
Tangent Direction:	N 50°59'54.58" W		

CIRCULAR CURVE NO. 5

	STATION	NORTHING	EASTING
Element: Circular			
PC (11009)	635+52.08	275244.4990	726434.3147
PI (11010)	637+75.38	275380.7910	726257.4249
CC (20006)		276580.0491	727463.3442
PT (11011)	639+96.10	275558.4331	726122.1147
Radius:	1686.00		
Delta:	15°05'22.2059" Right		
Degree of Curvature(Arc):	3°23'53.9743"		
Length:	444.03		
Tangent:	223.31		
Chord:	442.75		
Middle Ordinate:	14.60		
External:	14.72		
Tangent Direction:	N 52°23'09.85" W		
Radial Direction:	N 37°36'50.15" E		
Chord Direction:	N 44°50'28.74" W		
Radial Direction:	N 52°42'12.36" E		
Tangent Direction:	N 37°17'47.64" W		

CIRCULAR CURVE NO. 6

	STATION	NORTHING	EASTING
Element: Circular			
PC (12001)	701+36.04	274480.6641	727354.1700
PI (12002)	701+60.88	274498.6536	727371.3036
CC (20007)		274549.6315	727281.7580
PT (12003)	701+84.74	274522.5697	727378.0267
Radius:	100.00		
Delta:	27°54'11.8107" Left		
Degree of Curvature(Arc):	57°17'44.8062"		
Length:	48.70		
Tangent:	24.84		
Chord:	48.22		
Middle Ordinate:	2.95		
External:	3.04		
Tangent Direction:	N 43°36'15.54" E		
Radial Direction:	S 46°23'44.46" E		
Chord Direction:	N 29°39'09.63" E		
Radial Direction:	S 74°17'56.27" E		
Tangent Direction:	N 15°42'03.73" E		

CIRCULAR CURVE NO. 7

	STATION	NORTHING	EASTING
Element: Circular			
PC (14001)	1103+05.14	273267.1598	728578.5114
PI (14002)	1103+58.39	273301.0324	728619.5967
CC (20008)		272892.9418	728887.0334
PT (14003)	1104+11.21	273325.1840	728667.0525
Radius:	485.00		
Delta:	12°31'50.8806" Right		
Degree of Curvature(Arc):	11°48'48.8260"		
Length:	106.07		
Tangent:	53.25		
Chord:	105.86		
Middle Ordinate:	2.90		
External:	2.91		
Tangent Direction:	N 50°29'46.70" E		
Radial Direction:	S 39°30'13.30" E		
Chord Direction:	N 56°45'42.14" E		
Radial Direction:	S 26°58'22.42" E		
Tangent Direction:	N 63°01'37.58" E		

CIRCULAR CURVE NO. 8

	STATION	NORTHING	EASTING
Element: Circular			
PC (14004)	1105+56.17	273390.9322	728796.2417
PI (14005)	1106+04.75	273412.9700	728839.5438
CC (20009)		273658.2986	728660.1710
PT (14006)	1106+52.50	273447.5490	728873.6765
Radius:	300.00		
Delta:	18°23'57.4125" Left		
Degree of Curvature(Arc):	19°05'54.9354"		
Length:	96.34		
Tangent:	48.59		
Chord:	95.92		
Middle Ordinate:	3.86		
External:	3.91		
Tangent Direction:	N 63°01'37.58" E		
Radial Direction:	S 26°58'22.42" E		
Chord Direction:	N 53°49'38.87" E		
Radial Direction:	S 45°22'19.84" E		
Tangent Direction:	N 44°37'40.16" E		

CIRCULAR CURVE NO. 9

	STATION	NORTHING	EASTING
Element: Circular			
PC (14007)	1111+70.82	273816.4295	729237.7956
PI (14008)	1114+04.99	273983.0825	729402.2975
CC (20010)		273475.7176	729582.9628
PT (14009)	1116+07.14	273957.9064	729635.1069
Radius:	485.00		
Delta:	51°32'39.0475" Right		
Degree of Curvature(Arc):	11°48'48.8260"		
Length:	436.31		
Tangent:	234.17		
Chord:	421.75		
Middle Ordinate:	48.24		
External:	53.57		
Tangent Direction:	N 44°37'40.16" E		
Radial Direction:	S 45°22'19.84" E		
Chord Direction:	N 70°23'59.69" E		
Radial Direction:	S 6°10'19.21" W		
Tangent Direction:	S 83°49'40.79" E		

CIRCULAR CURVE NO. 10

	STATION	NORTHING	EASTING
Element: Circular			
PC (15001)	1200+64.45	273830.1604	728661.0217
PI (15002)	1202+14.79	273843.2827	728810.7806
CC (20011)		275822.5265	728486.4440
PT (15003)	1203+64.56	273878.6448	728956.8951
Radius:	2000.00		
Delta:	8°35'50.1430" Left		
Degree of Curvature(Arc):	2°51'53.2403"		
Length:	300.10		
Tangent:	150.33		
Chord:	299.82		
Middle Ordinate:	5.63		
External:	5.64		
Tangent Direction:	N 84°59'32.44" E		
Radial Direction:	S 5°00'27.56" E		
Chord Direction:	N 80°41'37.36" E		
Radial Direction:	S 13°36'17.71" E		
Tangent Direction:	N 76°23'42.29" E		

CIRCULAR CURVE NO. 11

	STATION	NORTHING	EASTING
Element: Circular			
PC (15004)	1205+94.18	273932.6572	729180.0717
PI (15005)	1206+55.56	273947.0967	729239.7350
CC (20012)		273835.4631	729203.5942
PT (15006)	1207+04.28	273900.4304	729279.6156
Radius:	100.00		
Delta:	63°05'16.7885" Right		
Degree of Curvature(Arc):	57°17'44.8062"		
Length:	110.11		
Tangent:	61.39		
Chord:	104.63		
Middle Ordinate:	14.78		
External:	17.34		
Tangent Direction:	N 76°23'42.29" E		
Radial Direction:	S 13°36'17.71" E		
Chord Direction:	S 72°03'39.31" E		
Radial Direction:	S 49°28'59.08" W		
Tangent Direction:	S 40°31'00.92" E		

CIRCULAR CURVE NO. 12

	STATION	NORTHING	EASTING
Element: Circular			
PC (16003)	1300+00.00	273793.3969	728593.2757
PI (16002)	1300+64.56	273746.5678	728637.7175
CC ( )		273752.0944	728549.7544
PT (16001)	1300+98.64	273705.6694	728587.7639
Radius:	60.00		
Delta:	94°11'36.7850" Right		
Degree of Curvature(Arc):	95°29'34.6771"		
Length:	98.64		
Tangent:	64.56		
Chord:	87.90		
Middle Ordinate:	19.15		
External:	28.14		
Tangent Direction:	S 43°30'06.12" E		
Radial Direction:	S 46°29'53.88" W		
Chord Direction:	S 3°35'42.27" W		
Radial Direction:	N 39°18'29.34" W		
Tangent Direction:	S 50°41'30.66" W		

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ADDENDA / REVISIONS

NOT TO SCALE

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	T201609601	BRIDGE NO.	N/A
COUNTY	SUSSEX	DESIGNED BY:	J. SINCLAIR
		CHECKED BY:	V. KOWALSKI

HORIZONTAL AND VERTICAL CONTROL

SECTION	WRA
SHEET NO.	24

CIRCULAR CURVE NO. (19)

Element: Circular		STATION	NORTHING	EASTING
PC	(12006)	800+11.08	273862.6546	728028.2673
PI	(12007)	800+49.03	273835.5581	728001.7081
CC	(12011)		273889.2543	728001.1296
PT	(12008)	800+70.72	273862.0761	727974.5712
Radius:		38.00		
Delta:		89°54'46.0690" Right		
Degree of Curvature(Arc):		150°46'42.1217"		
Length:		59.63		
Tangent:		37.94		
Chord:		53.70		
Middle Ordinate:		11.11		
External:		15.70		
Tangent Direction:		S 44°25'35.08" W		
Radial Direction:		N 45°34'24.92" W		
Chord Direction:		S 89°22'58.12" W		
Radial Direction:		N 44°20'21.15" E		
Tangent Direction:		N 45°39'38.85" W		

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ADDENDA / REVISIONS		NOT TO SCALE	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT	BRIDGE NO.	N/A	HORIZONTAL AND VERTICAL CONTROL	SECTION
				T201609601				WRA
				COUNTY	DESIGNED BY:	J. SINCLAIR		SHEET NO.
				SUSSEX	CHECKED BY:	V. KOWALSKI		25

CURB SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
100	I.PCC CURB & GUTTER, TYPE 1-8	347'
101	PCC CURB, TYPE 2 ROUNDABOUT	147'
102	I.PCC CURB & GUTTER, TYPE 1-8	328'
103	PCC CURB, TYPE 2 ROUNDABOUT	60'
104	I.PCC CURB & GUTTER, TYPE 1-8	232'
105	I.PCC CURB & GUTTER, TYPE 3-8	209'
106	PCC CURB, TYPE 1 MODIFIED	75'
107	PCC CURB, TYPE 2 ROUNDABOUT	57'
108	PCC CURB, TYPE 2 ROUNDABOUT	448'
109	I.PCC CURB & GUTTER, TYPE 3-8	220'
110	PCC CURB, TYPE 2 ROUNDABOUT	52'
111	I.PCC CURB & GUTTER, TYPE 1-8	255'
112	PCC CURB, TYPE 2 ROUNDABOUT	147'
113	PCC CURB, TYPE 1-2 ROUNDABOUT	283'
114	PCC CURB, TYPE 1-8	157'
115	PCC CURB, TYPE 2 ROUNDABOUT	148'
116	PCC CURB, TYPE 2 ROUNDABOUT	55'

RIGHT-OF-WAY MONUMENT SCHEDULE

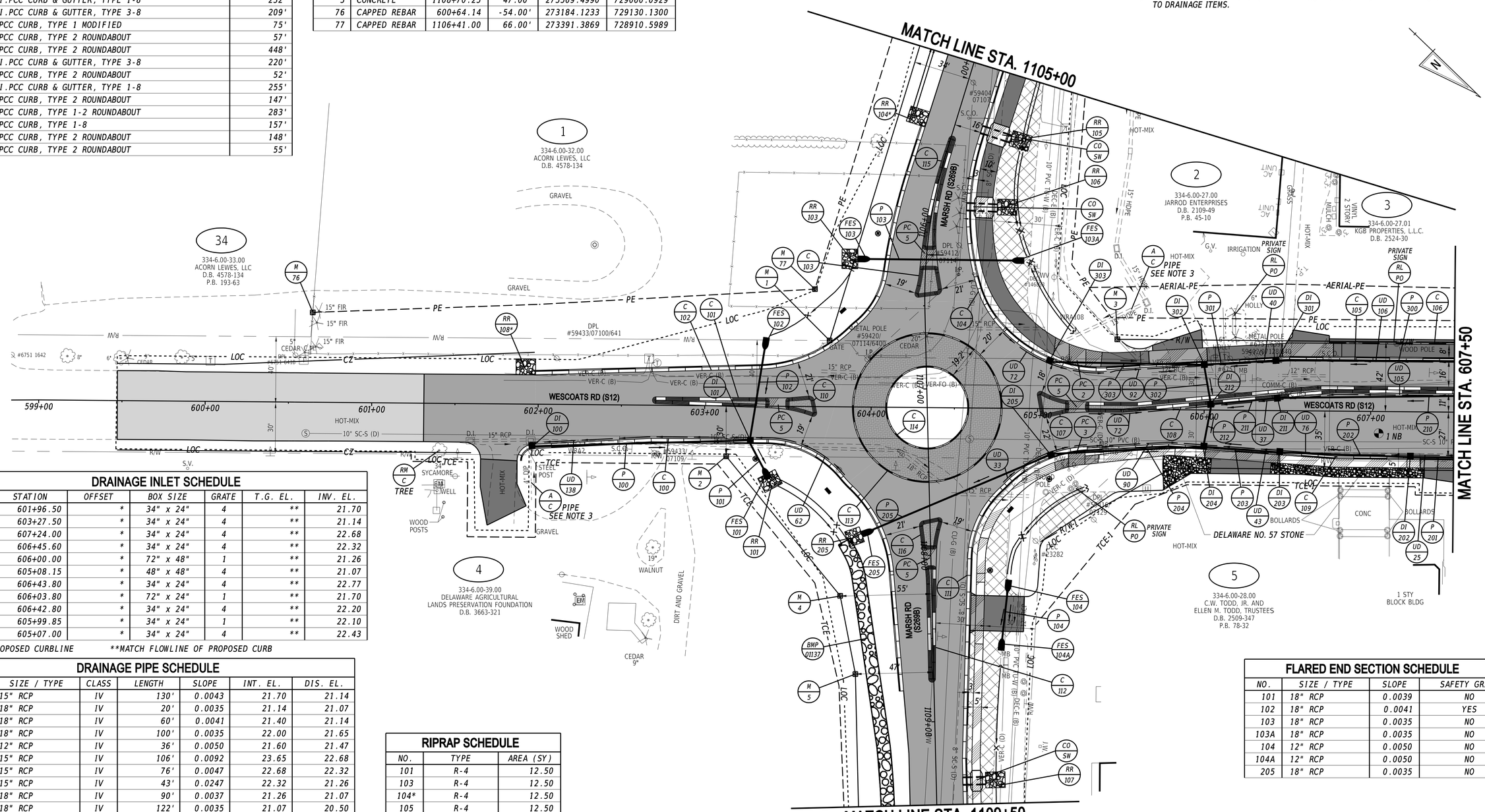
NO.	TYPE	STATION	OFFSET	NORTHING	EASTING
1	CONCRETE	603+74.69	-39.79'	273419.1575	728926.6627
2	CONCRETE	603+13.16	30.30'	273422.7751	729019.8615
3	CONCRETE	605+47.46	-42.00'	273542.9582	728806.1318
4	CONCRETE	1108+23.00	55.00'	273530.2508	729032.5922
5	CONCRETE	1108+70.25	47.00'	273569.4990	729060.0929
76	CAPPED REBAR	600+64.14	-54.00'	273184.1233	729130.1300
77	CAPPED REBAR	1106+41.00	66.00'	273391.3869	728910.5989

ROADWAY CORE SCHEDULE

NO.	STATION	OFFSET	DESCRIPTION
1 NB	607+04.94	13.08 RT	6.5" OF HOT-MIX ASPHALT OVER 8+ CRUSHER RUN

NOTES:

1. *LATERAL OFFSET IS A MINIMUM OF 4' BEHIND THE FACE OF CURB ALONG THE ROADWAY AND 6' BEHIND THE FACE OF CURB AT INTERSECTIONS AND ENTRANCES. REFER TO THE CONSTRUCTION PLAN SHEETS FOR THE LOCATION OF THE CLEAR ZONE AREA LIMITS.*
2. *ALL UTILITY IMPACTS ARE NOTED ON THE UTILITY RELOCATION PLANS. EXISTING UTILITIES ARE SHOWN ON CONSTRUCTION PLANS FOR REFERENCE ONLY.*
3. *ADJUST PIPES AS NEEDED TO MAINTAIN POSITIVE DRAINAGE. PAYMENT INCIDENTAL TO DRAINAGE ITEMS.*



DRAINAGE INLET SCHEDULE

NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.
100	601+96.50	*	34" x 24"	4	**	21.70
101	603+27.50	*	34" x 24"	4	**	21.14
202	607+24.00	*	34" x 24"	4	**	22.68
203	606+45.60	*	34" x 24"	4	**	22.32
204	606+00.00	*	72" x 48"	1	**	21.26
205	605+08.15	*	48" x 48"	4	**	21.07
211	606+43.80	*	34" x 24"	4	**	22.77
212	606+03.80	*	72" x 24"	1	**	21.70
301	606+42.80	*	34" x 24"	4	**	22.20
302	605+99.85	*	34" x 24"	1	**	22.10
303	605+07.00	*	34" x 24"	4	**	22.43

**MATCH PROPOSED CURBLINE* ***MATCH FLOWLINE OF PROPOSED CURB*

DRAINAGE PIPE SCHEDULE

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INT. EL.	DIS. EL.
100	15" RCP	IV	130'	0.0043	21.70	21.14
101	18" RCP	IV	20'	0.0035	21.14	21.07
102	18" RCP	IV	60'	0.0041	21.40	21.14
103	18" RCP	IV	100'	0.0035	22.00	21.65
104	12" RCP	IV	36'	0.0050	21.60	21.47
201	15" RCP	IV	106'	0.0092	23.65	22.68
202	15" RCP	IV	76'	0.0047	22.68	22.32
203	15" RCP	IV	43'	0.0247	22.32	21.26
204	18" RCP	IV	90'	0.0037	21.26	21.07
205	18" RCP	IV	122'	0.0035	21.07	20.50
210	15" RCP	IV	174'	0.0066	23.92	22.77
211	15" RCP	IV	37'	0.0289	22.77	21.70
212	18" RCP	IV	24'	0.0183	21.70	21.26
300	15" RCP	IV	108'	0.0053	22.77	22.20
301	15" RCP	IV	42'	0.0024	22.20	22.10
302	15" RCP	IV	22'	0.0182	22.10	21.70
303	12" RCP	IV	92'	0.0036	22.43	22.10

RIPRAP SCHEDULE

NO.	TYPE	AREA (SY)
101	R-4	12.50
103	R-4	12.50
104*	R-4	12.50
105	R-4	12.50
106	R-4	12.50
107	R-4	12.50
108*	R-4	12.50
205	R-4	10.00

**PLACE RIPRAP WITH FINAL TOP ELEVATION LEVEL WITH THE SURROUNDING GRADE*

FLARED END SECTION SCHEDULE

NO.	SIZE / TYPE	SLOPE	SAFETY GRATE
101	18" RCP	0.0039	NO
102	18" RCP	0.0041	YES
103	18" RCP	0.0035	NO
103A	18" RCP	0.0035	NO
104	12" RCP	0.0050	NO
104A	12" RCP	0.0050	NO
205	18" RCP	0.0035	NO

DELDOT SWM FACILITY SCHEDULE

NO.	TYPE / DESCRIPTION	LOCATION
01137	INFILTRATION TRENCH	STA. 1107+88 RT. TO STA. 1110+88 RT.

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	T201609601	BRIDGE NO.	N/A
COUNTY	SUSSEX	DESIGNED BY:	J. SINCLAIR
		CHECKED BY:	V. KOWALSKI

CONSTRUCTION PLANS

CP-01 | SECTION: WRA | SHEET NO.: 26

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RIGHT-OF-WAY MONUMENT SCHEDULE

NO.	TYPE	STATION	OFFSET	NORTHING	EASTING
6	CONCRETE	607+98.14	-80.00'	273698.6329	728606.0050
7	CONCRETE	607+95.36	-42.00'	273722.7730	728635.4898
8	CONCRETE	609+23.25	-80.00'	273789.3787	728519.8854
9	CONCRETE	609+14.22	40.00'	273865.4300	728613.1328
10	CONCRETE	363+85.00	-40.00'	273941.2384	728338.7141
12	CONCRETE	611+91.14	59.79'	274079.9234	728436.8658
78	CAPPED REBAR	1300+73.22	-24.47'	273714.5127	728625.4007
79	CAPPED REBAR	1300+88.73	16.41'	273723.3612	728582.5374
80	CAPPED REBAR	366+51.00	50.64'	274044.5921	728600.3650

CURB SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
200	I.PCC CURB & GUTTER, TYPE 3-8	130'
201	I.PCC CURB & GUTTER, TYPE 3-8	26'
202	I.PCC CURB & GUTTER, TYPE 3-8	456'
203	PCC CURB, TYPE 2 ROUNDABOUT	602'
204	I.PCC CURB & GUTTER, TYPE 3-8	398'
205	PCC CURB, TYPE 1-8	232'
206	PCC CURB, TYPE 1-8	249'
207	PCC CURB, TYPE 2 **	115'
208	PCC CURB, TYPE 2 **	171'
209	PCC CURB, TYPE 2 **	91'
210	I.PCC CURB & GUTTER, TYPE 3-8	102'
211	I.PCC CURB & GUTTER, TYPE 3-8	181'
212	PCC CURB, TYPE 2 **	223'
213	I.PCC CURB & GUTTER, TYPE 3-8	239'
214	PCC CURB, TYPE 1-8	169'
215	PCC CURB, TYPE 1-8	186'
216	I.PCC CURB & GUTTER, TYPE 1-8	48'
217	I.PCC CURB & GUTTER, TYPE 1-8	105'
218	PCC CURB, TYPE 1 MODIFIED	8'
219	I.PCC CURB & GUTTER, TYPE 3-8	93'
220	PCC CURB, TYPE 1-6	7'

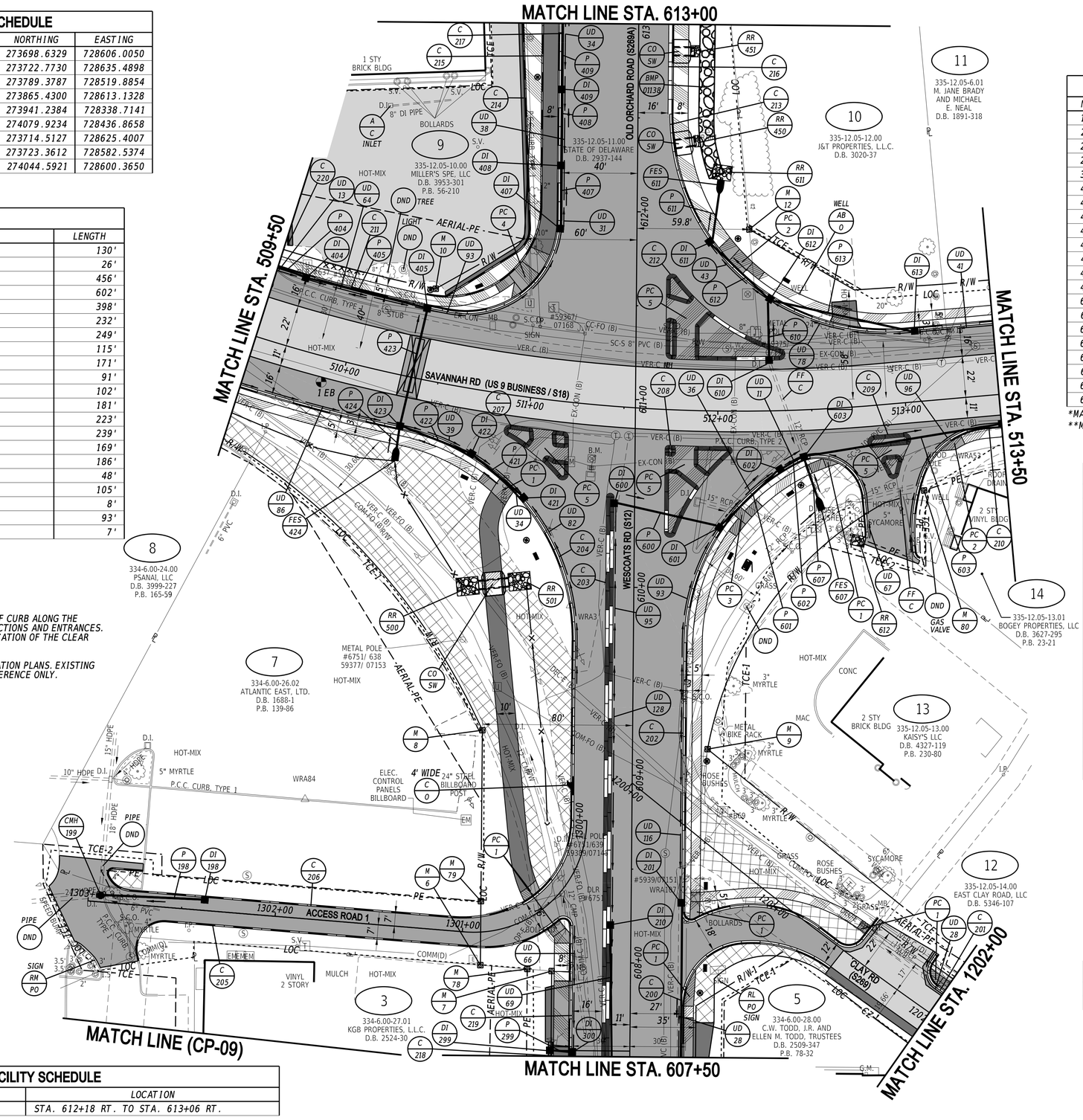
**THE COST FOR CONSTRUCTING THIS CURB IS INCIDENTAL TO ITEM 702000 - TRIANGULAR CHANNELIZING ISLANDS.

NOTES:

1. LATERAL OFFSET IS A MINIMUM OF 4' BEHIND THE FACE OF CURB ALONG THE ROADWAY AND 6' BEHIND THE FACE OF CURB AT INTERSECTIONS AND ENTRANCES. REFER TO THE CONSTRUCTION PLAN SHEETS FOR THE LOCATION OF THE CLEAR ZONE AREA LIMITS.
2. ALL UTILITY IMPACTS ARE NOTED ON THE UTILITY RELOCATION PLANS. EXISTING UTILITIES ARE SHOWN ON CONSTRUCTION PLANS FOR REFERENCE ONLY.

RIPRAP SCHEDULE

NO.	TYPE	AREA (SY)
450	R-4	2.50
451	R-4	3.50
500	R-4	12.50
501	R-4	12.50
611	R-4	9.00
612	R-4	4.50



DRAINAGE INLET SCHEDULE

NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.
198	1302+38.00	*	72" x 24"	1	**	21.90
201	608+32.25	*	34" x 24"	4	**	23.65
210	608+20.10	*	34" x 24"	4	**	23.92
299	607+53.10	*	34" x 24"	1	**	22.82
300	607+52.45	*	34" x 24"	4	**	22.77
404	509+66.70	*	48" x 30"	4	**	22.81
405	510+36.45	*	34" x 24"	4	**	23.06
407	611+90.70	*	34" x 24"	4	**	22.05
408	612+24.35	*	34" X 24"	4	**	21.50
409	612+64.80	*	34" x 24"	4	**	21.42
421	610+47.25	*	34" x 24"	4	**	23.60
422	510+73.80	*	34" x 24"	4	**	23.46
423	510+35.00	*	34" x 24"	4	**	23.31
600	610+44.75	*	34" x 24"	4	**	23.35
601	610+32.25	*	34" x 24"	4	**	22.54
602	512+32.35	*	72" x 24"	4	**	22.02
603	512+44.85	*	48" x 30"	4	**	21.86
610	512+27.85	*	34" x 24"	4	**	22.86
611	611+84.40	*	34" x 24"	4	**	21.76
612	512+29.00	*	34" x 24"	4	**	22.07
613	513+08.30	*	34" x 24"	4	**	22.50

*MATCH PROPOSED CURBLINE
**MATCH FLOWLINE OF PROPOSED CURB

DRAINAGE PIPE SCHEDULE

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INT. EL.	DIS. EL.
198	15" RCP	IV	53'	0.0049	21.90	21.66
299	15" RCP	IV	10'	0.0050	22.82	22.77
404	18" RCP	IV	109'	0.0036	22.81	22.42
405	15" RCP	IV	63'	0.0040	23.06	22.81
407	15" RCP	IV	31'	0.0177	22.05	21.50
408	15" RCP	IV	37'	0.0022	21.50	21.42
409	15" RCP	IV	64'	0.0022	21.42	21.28
421	12" RCP	IV	33'	0.0042	23.60	23.46
422	12" RCP	IV	38'	0.0039	23.46	23.31
423	15" RCP	IV	62'	0.0040	23.31	23.06
424	15" RCP	IV	18'	0.0383	24.00	23.31
600	12" RCP	IV	56'	0.0127	23.35	22.64
601	12" RCP	IV	43'	0.0098	22.54	22.12
602	15" RCP	IV	11'	0.0055	22.02	21.96
603	15" RCP	IV	104'	0.0035	21.86	21.50
607	15" RCP	IV	30'	0.0213	22.50	21.86
610	15" RCP	IV	31'	0.0255	22.86	22.07
611	12" RCP	IV	32'	0.0081	21.76	21.50
612	12" RCP	IV	42'	0.0074	22.07	21.76
613	12" RCP	IV	76'	0.0057	22.50	22.07

FLARED END SECTION SCHEDULE

NO.	SIZE / TYPE	SLOPE	SAFETY GRATE
424	15" RCP	0.0383	YES
607	15" RCP	0.0213	YES
611	12" RCP	0.0081	NO

ROADWAY CORE SCHEDULE

NO.	STATION	OFFSET	DESCRIPTION
1 EB	509+89.77	13.56' RT	7.5" OF HOT-MIX ASPHALT OVER 8+ CRUSHER RUN

CONVERT TO MANHOLE SCHEDULE

NO.	STATION	OFFSET	T.C. EL.	INVERT EL.
199	1302+93.50	3.50' RT.	25.16	21.66

DELDOT SWM FACILITY SCHEDULE

NO.	TYPE / DESCRIPTION	LOCATION
01138	INFILTRATION TRENCH	STA. 612+18 RT. TO STA. 613+06 RT.

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	T201609601
COUNTY	SUSSEX
BRIDGE NO.	N/A
DESIGNED BY:	J. SINCLAIR
CHECKED BY:	V. KOWALSKI

CONSTRUCTION PLANS

CP-02
SECTION WRA
SHEET NO. 27

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CURB SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
300	PCC CURB, TYPE 1-8	110'
301	PCC CURB, TYPE 1-8	110'
302	I.PCC CURB AND GUTTER, TYPE 1-8	784'
303	I.PCC CURB AND GUTTER, TYPE 1-8	814'

UNDERDRAIN OUTLETS

NO.	LENGTH	DIS. EL.
100	26	24.05
101	30	23.36

DELDOT SWM FACILITY SCHEDULE

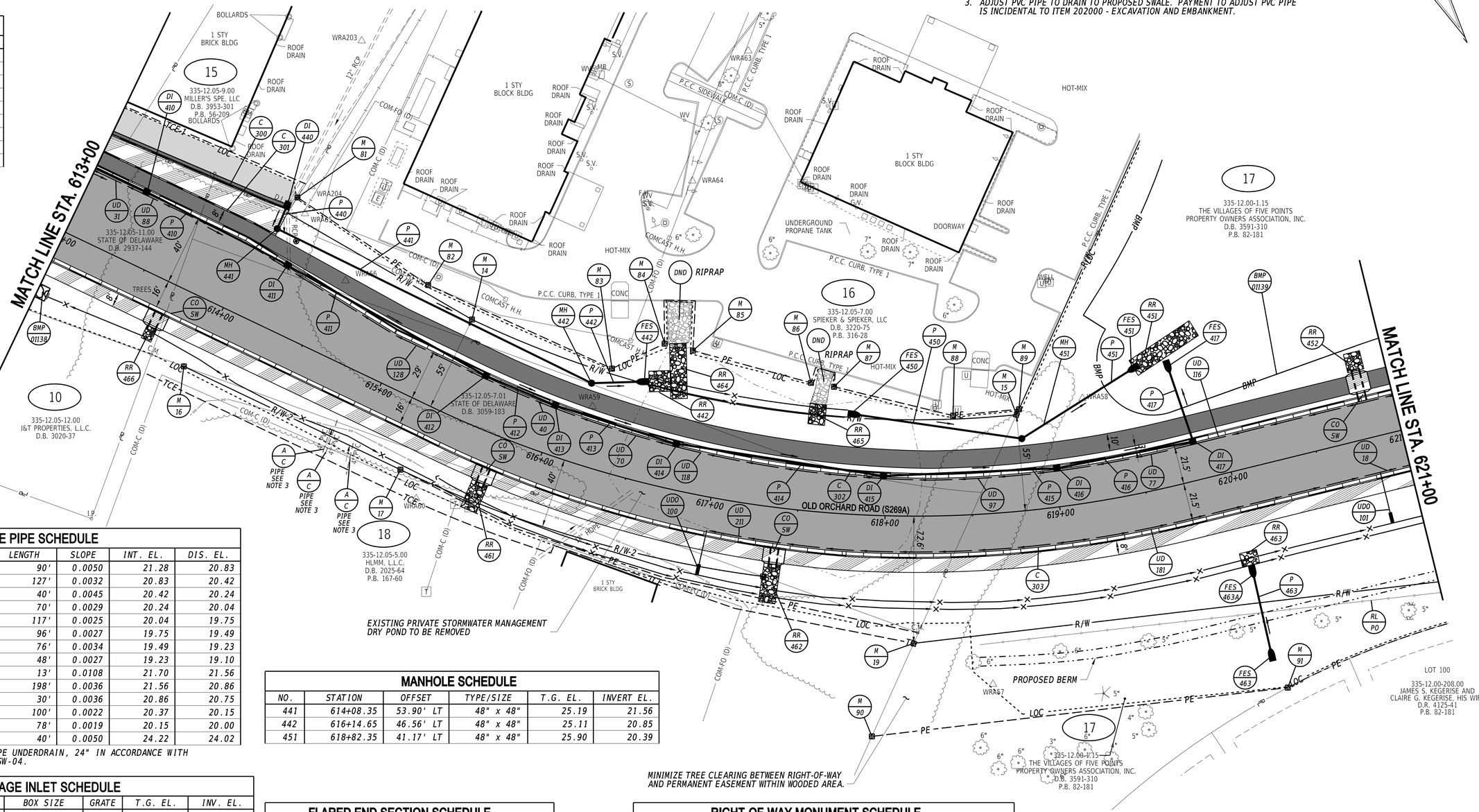
NO.	TYPE / DESCRIPTION	LOCATION
01139	INFILTRATION BASIN	STA. 619+32 LT. TO STA. 622+85 LT.

NOTES:

1. *LATERAL OFFSET IS A MINIMUM OF 4' BEHIND THE FACE OF CURB ALONG THE ROADWAY AND 6' BEHIND THE FACE OF CURB AT INTERSECTIONS AND ENTRANCES. REFER TO THE CONSTRUCTION PLAN SHEETS FOR THE LOCATION OF THE CLEAR ZONE AREA LIMITS.*
2. *ALL UTILITY IMPACTS ARE NOTED ON THE UTILITY RELOCATION PLANS. EXISTING UTILITIES ARE SHOWN ON CONSTRUCTION PLANS FOR REFERENCE ONLY.*
3. *ADJUST PVC PIPE TO DRAIN TO PROPOSED SWALE. PAYMENT TO ADJUST PVC PIPE IS INCIDENTAL TO ITEM 202000 - EXCAVATION AND EMBANKMENT.*

RIPRAP SCHEDULE

NO.	TYPE	AREA (SY)
442	R-4	16.50
451	R-4	46.00
452	R-4	12.50
461	R-4	18.00
462	R-4	23.50
463	R-4	9.00
464	R-4	33.50
465	R-4	12.50
466	R-4	5.50



DRAINAGE PIPE SCHEDULE

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INT. EL.	DIS. EL.
410	15" RCP	IV	90'	0.0050	21.28	20.83
411	21" RCP	IV	127'	0.0032	20.83	20.42
412	24" RCP	IV	40'	0.0045	20.42	20.24
413	24" RCP	IV	70'	0.0029	20.24	20.04
414	30" RCP	IV	117'	0.0025	20.04	19.75
415	30" RCP	IV	96'	0.0027	19.75	19.49
416	30" RCP	IV	76'	0.0034	19.49	19.23
*417	24" PERF. HDPE	N/A	48'	0.0027	19.23	19.10
440	18" RCP	IV	13'	0.0108	21.70	21.56
441	21" RCP	IV	198'	0.0036	21.56	20.86
442	21" RCP	IV	30'	0.0036	20.86	20.75
*450	24" PERF. HDPE	N/A	100'	0.0022	20.37	20.15
*451	24" PERF. HDPE	N/A	78'	0.0019	20.15	20.00
463	18" RCP	IV	40'	0.0050	24.22	24.02

*INSTALL ITEM 709006-PERFORATED PIPE UNDERDRAIN, 24" IN ACCORDANCE WITH MODIFIED PIPE TRENCH DETAIL SHEET SW-04.

MANHOLE SCHEDULE

NO.	STATION	OFFSET	TYPE/SIZE	T.G. EL.	INVERT EL.
441	614+08.35	53.90' LT	48" x 48"	25.19	21.56
442	616+14.65	46.56' LT	48" x 48"	25.11	20.85
451	618+82.35	41.17' LT	48" x 48"	25.90	20.39

DRAINAGE INLET SCHEDULE

NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.
410	613+32.00	*	34" x 24"	4	**	21.28
411	614+22.60	*	48" x 30"	4	**	20.83
412	615+53.10	*	48" x 48"	4	**	20.42
413	615+98.00	*	48" x 48"	4	**	20.24
414	616+73.85	*	48" x 48"	4	**	20.04
415	617+98.45	*	48" x 48"	4	**	19.75
416	619+01.25	*	48" x 48"	4	**	19.49
417	619+82.85	*	48" x 48"	4	**	19.23
440+	614+07.75	67.80' LT	34" x 24"	1	24.20	21.70

*MATCH PROPOSED CURBLINE
**MATCH FLOWLINE OF PROPOSED CURB
+DOGHOUSE INLET OVER EXISTING 12" RCP

FLARED END SECTION SCHEDULE

NO.	SIZE / TYPE	SLOPE	SAFETY GRATE
417	24" HDPE	0.0027	NO
442	21" RCP	0.0036	NO
450	24" RCP	0.0022	YES
451	24" HDPE	0.0019	NO
463	18" RCP	0.0050	NO
463A	18" RCP	0.0050	NO

RIGHT-OF-WAY MONUMENT SCHEDULE

NO.	TYPE	STATION	OFFSET	NORTHING	EASTING
14	CONCRETE	615+31.09	-55.00'	274247.4877	728119.5962
15	CONCRETE	618+80.59	-55.00'	274409.7336	727848.7879
16	CONCRETE	613+94.06	40.00'	274213.4871	728282.8341
17	CONCRETE	615+31.09	40.00'	274312.8834	728188.5049
19	CONCRETE	618+16.48	72.64'	274510.5272	727950.3468
81	CAPPED REBAR	614+11.16	-75.00'	274146.7272	728187.6473
82	CAPPED REBAR	614+99.99	-62.00'	274220.1133	728135.9246
83	CAPPED REBAR	616+23.99	-58.00'	274302.3230	728055.0169

RIGHT-OF-WAY MONUMENT SCHEDULE

NO.	TYPE	STATION	OFFSET	NORTHING	EASTING
84	CAPPED REBAR	616+51.99	-80.00'	274299.7826	728021.8207
85	CAPPED REBAR	616+70.99	-80.00'	274309.2954	728008.1735
86	CAPPED REBAR	617+49.99	-73.00'	274350.6304	727951.7957
87	CAPPED REBAR	617+64.99	-72.00'	274357.4282	727940.3108
88	CAPPED REBAR	618+40.99	-57.00'	274397.1821	727882.7460
89	CAPPED REBAR	618+82.49	-58.00'	274407.2947	727846.3305
90	CAPPED REBAR	617+96.54	126.19	274551.5756	727991.7070
91	CAPPED REBAR	620+02.04	127.31	274610.7111	727759.9525

ADDENDA / REVISIONS	

SCALE 0 30 60 90 FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	T201609601	BRIDGE NO.	N/A
COUNTY	SUSSEX	DESIGNED BY:	J. SINCLAIR
		CHECKED BY:	V. KOWALSKI

CONSTRUCTION PLANS

CP-03	
SECTION	WRA
SHEET NO.	28

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CURB SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
400	1.PCC CURB & GUTTER, TYPE 1-8	320'
401	1.PCC CURB & GUTTER, TYPE 3-8	76'
402	1.PCC CURB & GUTTER, TYPE 3-8	71'
403	1.PCC CURB & GUTTER, TYPE 1-8	449'
404	1.PCC CURB & GUTTER, TYPE 1-8	688'

RIGHT-OF-WAY MONUMENT SCHEDULE

NO.	TYPE	STATION	OFFSET	NORTHING	EASTING
20	CONCRETE	626+45.15	35.00'	274710.0644	727168.3525
92	CAPPED REBAR	622+25.34	124.93'	274636.3531	727538.1222
93	CAPPED REBAR	624+97.17	110.61'	274691.6594	727321.3747
94	CAPPED REBAR	9+25.00	-25.00'	274406.9903	727374.5398
95	CAPPED REBAR	9+25.00	-45.00'	274392.5179	727360.7359
96	CAPPED REBAR	10+48.00	-45.00'	274477.4119	727271.7303
97	CAPPED REBAR	10+48.00	-25.00'	274491.8844	727285.5342

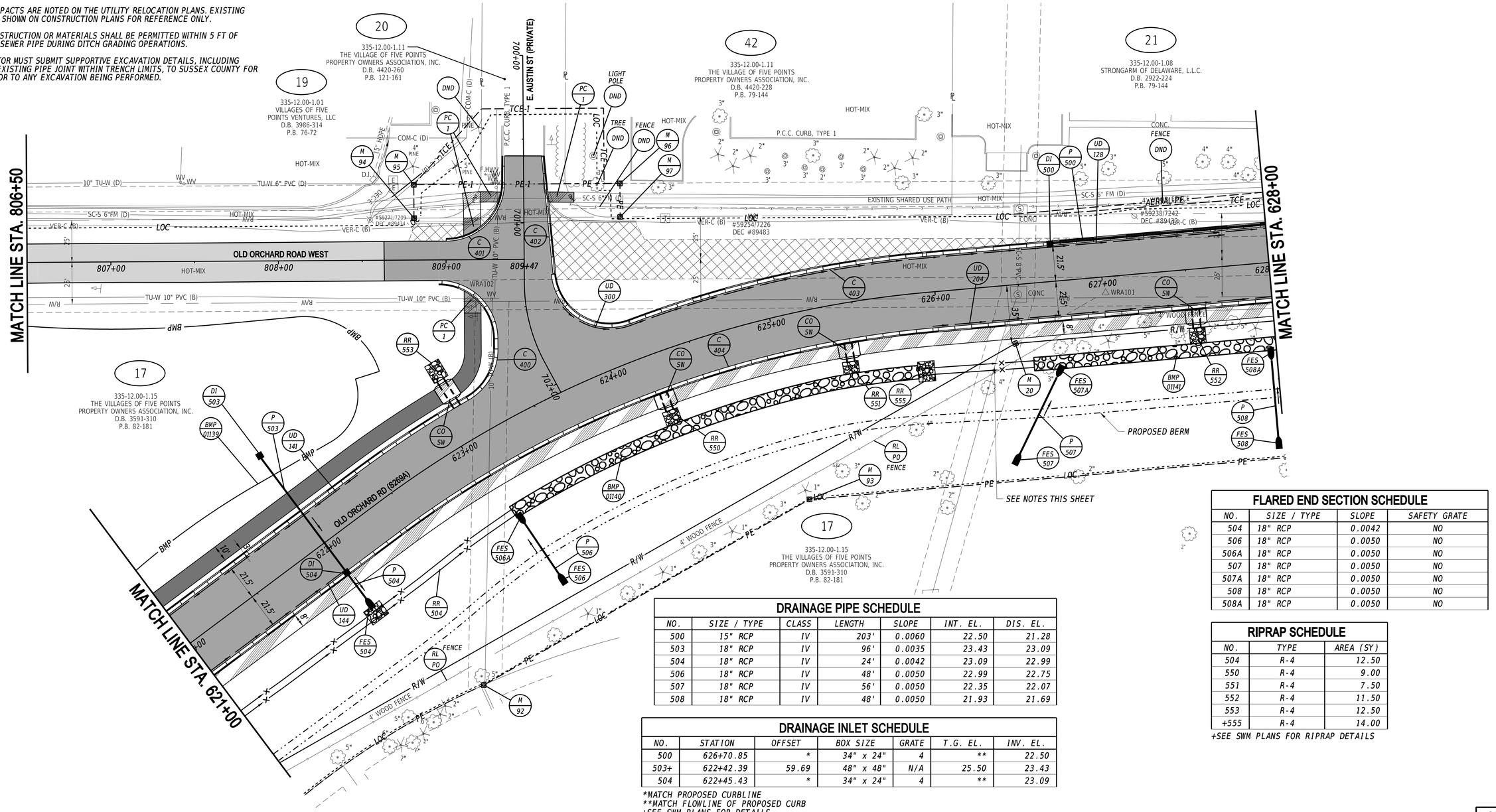
DELDOT SWM FACILITY SCHEDULE

NO.	TYPE / DESCRIPTION	LOCATION
01140	INFILTRATION TRENCH	STA. 623+06 RT. TO STA. 625+86 RT.
01141	INFILTRATION TRENCH	STA. 626+55 RT. TO STA. 628+96 RT.

N

NOTES:

1. *LATERAL OFFSET IS A MINIMUM OF 4' BEHIND THE FACE OF CURB ALONG THE ROADWAY AND 6' BEHIND THE FACE OF CURB AT INTERSECTIONS AND ENTRANCES. REFER TO THE CONSTRUCTION PLAN SHEETS FOR THE LOCATION OF THE CLEAR ZONE AREA LIMITS.*
2. *ALL UTILITY IMPACTS ARE NOTED ON THE UTILITY RELOCATION PLANS. EXISTING UTILITIES ARE SHOWN ON CONSTRUCTION PLANS FOR REFERENCE ONLY.*
3. *NO HEAVY CONSTRUCTION OR MATERIALS SHALL BE PERMITTED WITHIN 5 FT OF THE EXISTING SEWER PIPE DURING DITCH GRADING OPERATIONS.*
4. *THE CONTRACTOR MUST SUBMIT SUPPORTIVE EXCAVATION DETAILS, INCLUDING LOCATION OF EXISTING PIPE JOINT WITHIN TRENCH LIMITS, TO SUSSEX COUNTY FOR APPROVAL PRIOR TO ANY EXCAVATION BEING PERFORMED.*



DRAINAGE PIPE SCHEDULE

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INT. EL.	DIS. EL.
500	15" RCP	IV	203'	0.0060	22.50	21.28
503	18" RCP	IV	96'	0.0035	23.43	23.09
504	18" RCP	IV	24'	0.0042	23.09	22.99
506	18" RCP	IV	48'	0.0050	22.99	22.75
507	18" RCP	IV	56'	0.0050	22.35	22.07
508	18" RCP	IV	48'	0.0050	21.93	21.69

DRAINAGE INLET SCHEDULE

NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.
500	626+70.85	*	34" x 24"	4	**	22.50
503+	622+42.39	59.69	48" x 48"	N/A	25.50	23.43
504	622+45.43	*	34" x 24"	4	**	23.09

**MATCH PROPOSED CURBLINE*
***MATCH FLOWLINE OF PROPOSED CURB*
+SEE SWM PLANS FOR DETAILS

FLARED END SECTION SCHEDULE

NO.	SIZE / TYPE	SLOPE	SAFETY GRATE
504	18" RCP	0.0042	NO
506	18" RCP	0.0050	NO
506A	18" RCP	0.0050	NO
507	18" RCP	0.0050	NO
507A	18" RCP	0.0050	NO
508	18" RCP	0.0050	NO
508A	18" RCP	0.0050	NO

RIPRAP SCHEDULE

NO.	TYPE	AREA (SY)
504	R-4	12.50
550	R-4	9.00
551	R-4	7.50
552	R-4	11.50
553	R-4	12.50
+555	R-4	14.00

+SEE SWM PLANS FOR RIPRAP DETAILS

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT T201609601	BRIDGE NO. N/A	CONSTRUCTION PLANS
COUNTY SUSSEX	DESIGNED BY: J. SINCLAIR	
	CHECKED BY: V. KOWALSKI	

CP-04
SECTION WRA
SHEET NO. 29

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RIGHT-OF-WAY MONUMENT SCHEDULE

NO.	TYPE	STATION	OFFSET	NORTHING	EASTING
21	CONCRETE	630+28.04	35.00'	274951.0346	726870.7952
60	CONCRETE	630+87.25	37.00'	274990.1059	726825.1069
61	CONCRETE	632+15.00	37.00'	275068.078	726723.909
62	CONCRETE	632+15.00	31.49'	275063.715	726720.5474
63	CONCRETE	634+96.44	33.60'	275237.1544	726498.8966
98	CAPPED REBAR	630+85.57	40.00'	274991.4562	726828.2697
99	CAPPED REBAR	631+19.93	40.00'	275012.4287	726801.0500

RIGHT-OF-WAY MONUMENT SCHEDULE

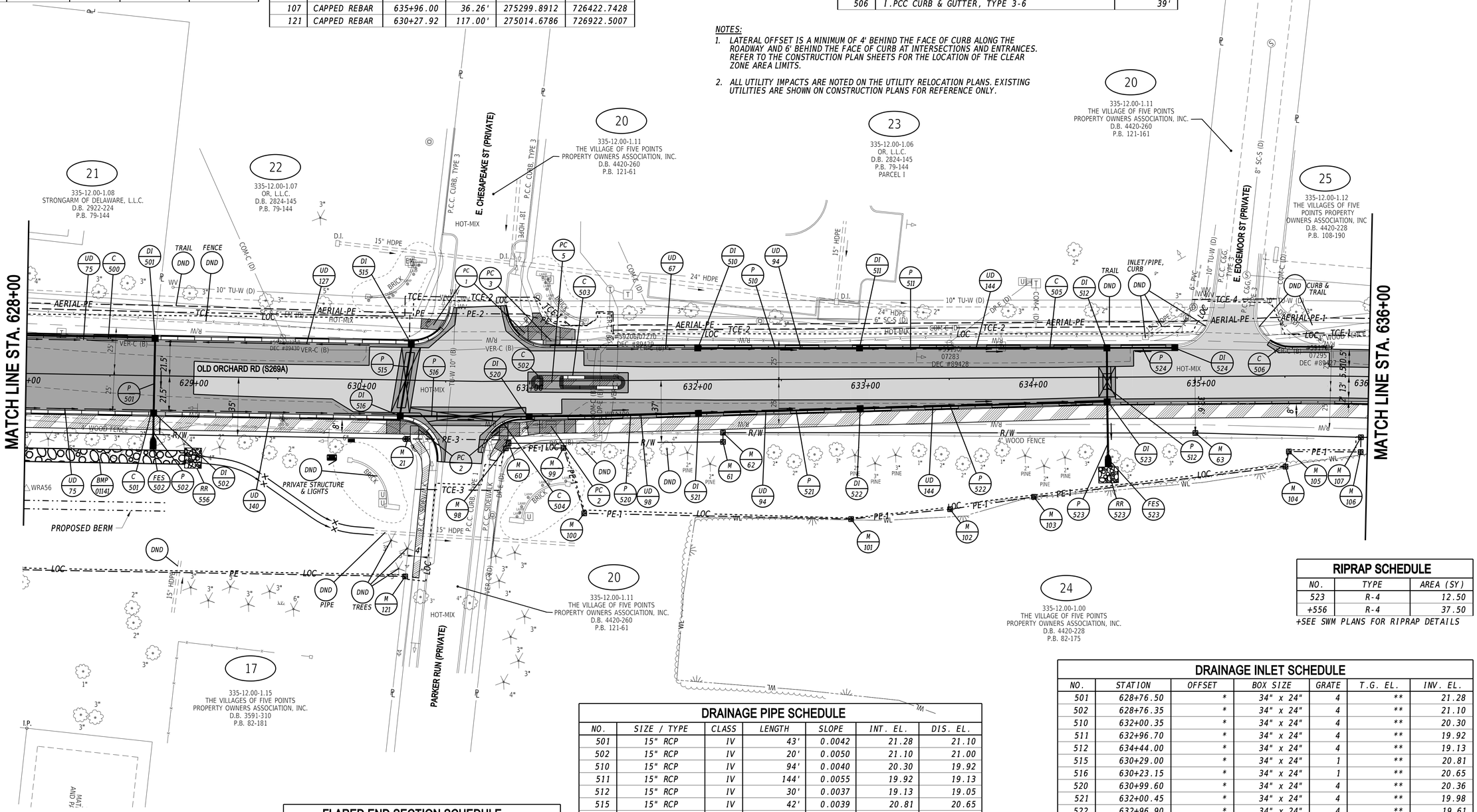
NO.	TYPE	STATION	OFFSET	NORTHING	EASTING
100	CAPPED REBAR	631+32.00	79.00'	275050.6899	726815.2909
101	CAPPED REBAR	632+91.00	83.50'	275151.2982	726692.0870
102	CAPPED REBAR	633+50.00	78.00'	275182.9514	726641.9938
103	CAPPED REBAR	634+00.00	71.00'	275207.9233	726598.1144
104	CAPPED REBAR	635+50.00	54.00'	275286.0075	726468.9174
105	CAPPED REBAR	635+52.08	45.00'	275280.1453	726461.7799
106	CAPPED REBAR	635+96.00	45.00'	275306.6764	726428.2583
107	CAPPED REBAR	635+96.00	36.26'	275299.8912	726422.7428
121	CAPPED REBAR	630+27.92	117.00'	275014.6786	726922.5007

CURB SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
500	1.PCC CURB & GUTTER, TYPE 1-8	266'
501	1.PCC CURB & GUTTER, TYPE 1-8	265'
502	PCC CURB, TYPE 2	25'
503	PCC CURB, TYPE 2	89'
504	1.PCC CURB & GUTTER, TYPE 3-6	540'
505	1.PCC CURB & GUTTER, TYPE 3-8	414'
506	1.PCC CURB & GUTTER, TYPE 3-6	39'

NOTES:

1. LATERAL OFFSET IS A MINIMUM OF 4' BEHIND THE FACE OF CURB ALONG THE ROADWAY AND 6' BEHIND THE FACE OF CURB AT INTERSECTIONS AND ENTRANCES. REFER TO THE CONSTRUCTION PLAN SHEETS FOR THE LOCATION OF THE CLEAR ZONE AREA LIMITS.
2. ALL UTILITY IMPACTS ARE NOTED ON THE UTILITY RELOCATION PLANS. EXISTING UTILITIES ARE SHOWN ON CONSTRUCTION PLANS FOR REFERENCE ONLY.



RIPRAP SCHEDULE

NO.	TYPE	AREA (SY)
523	R-4	12.50
+556	R-4	37.50

+SEE SWM PLANS FOR RIPRAP DETAILS

DRAINAGE INLET SCHEDULE

NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.
501	628+76.50	*	34" x 24"	4	**	21.28
502	628+76.35	*	34" x 24"	4	**	21.10
510	632+00.35	*	34" x 24"	4	**	20.30
511	632+96.70	*	34" x 24"	4	**	19.92
512	634+44.00	*	34" x 24"	4	**	19.13
515	630+29.00	*	34" x 24"	1	**	20.81
516	630+23.15	*	34" x 24"	1	**	20.65
520	630+99.60	*	34" x 24"	4	**	20.36
521	632+00.45	*	34" x 24"	4	**	19.98
522	632+96.90	*	34" x 24"	4	**	19.61
523	634+44.00	*	34" x 24"	4	**	19.05
524	634+84.50	*	34" x 24"	1	**	19.29

*MATCH PROPOSED CURBLINE
**MATCH FLOWLINE OF PROPOSED CURB

DRAINAGE PIPE SCHEDULE

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INT. EL.	DIS. EL.
501	15" RCP	IV	43'	0.0042	21.28	21.10
502	15" RCP	IV	20'	0.0050	21.10	21.00
510	15" RCP	IV	94'	0.0040	20.30	19.92
511	15" RCP	IV	144'	0.0055	19.92	19.13
512	15" RCP	IV	30'	0.0037	19.13	19.05
515	15" RCP	IV	42'	0.0039	20.81	20.65
516	15" RCP	IV	75'	0.0039	20.65	20.36
520	15" RCP	IV	98'	0.0039	20.36	19.98
521	15" RCP	IV	94'	0.0039	19.98	19.61
522	15" RCP	IV	144'	0.0039	19.61	19.05
523	18" RCP	IV	30'	0.0050	19.05	18.90
524	12" RCP	IV	39'	0.0041	19.29	19.13

FLARED END SECTION SCHEDULE

NO.	SIZE / TYPE	SLOPE	SAFETY GRATE
502	15" RCP	0.0050	NO
523	18" RCP	0.0050	NO

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	T201609601
COUNTY	SUSSEX
BRIDGE NO.	N/A
DESIGNED BY:	J. SINCLAIR
CHECKED BY:	V. KOWALSKI

CONSTRUCTION PLANS

CP-05
SECTION WRA
SHEET NO. 30

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4/4/2025

DRAINAGE PIPE SCHEDULE

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INT. EL.	DIS. EL.
525	14" x 23" RCEP	IV	64'	0.0078	18.00	17.50

FLARED END SECTION SCHEDULE

NO.	SIZE / TYPE	SLOPE	SAFETY GRATE
525	14" x 23" RCEP	0.0078	NO
525A	14" x 23" RCEP	0.0078	NO

RIPRAP SCHEDULE

NO.	TYPE	AREA (SY)
525	R-4	8.50
525A	R-4	21.50
580	R-4	12.50
581	R-4	12.50
582	R-4	7.50
583	R-4	9.50

CURB SCHEDULE

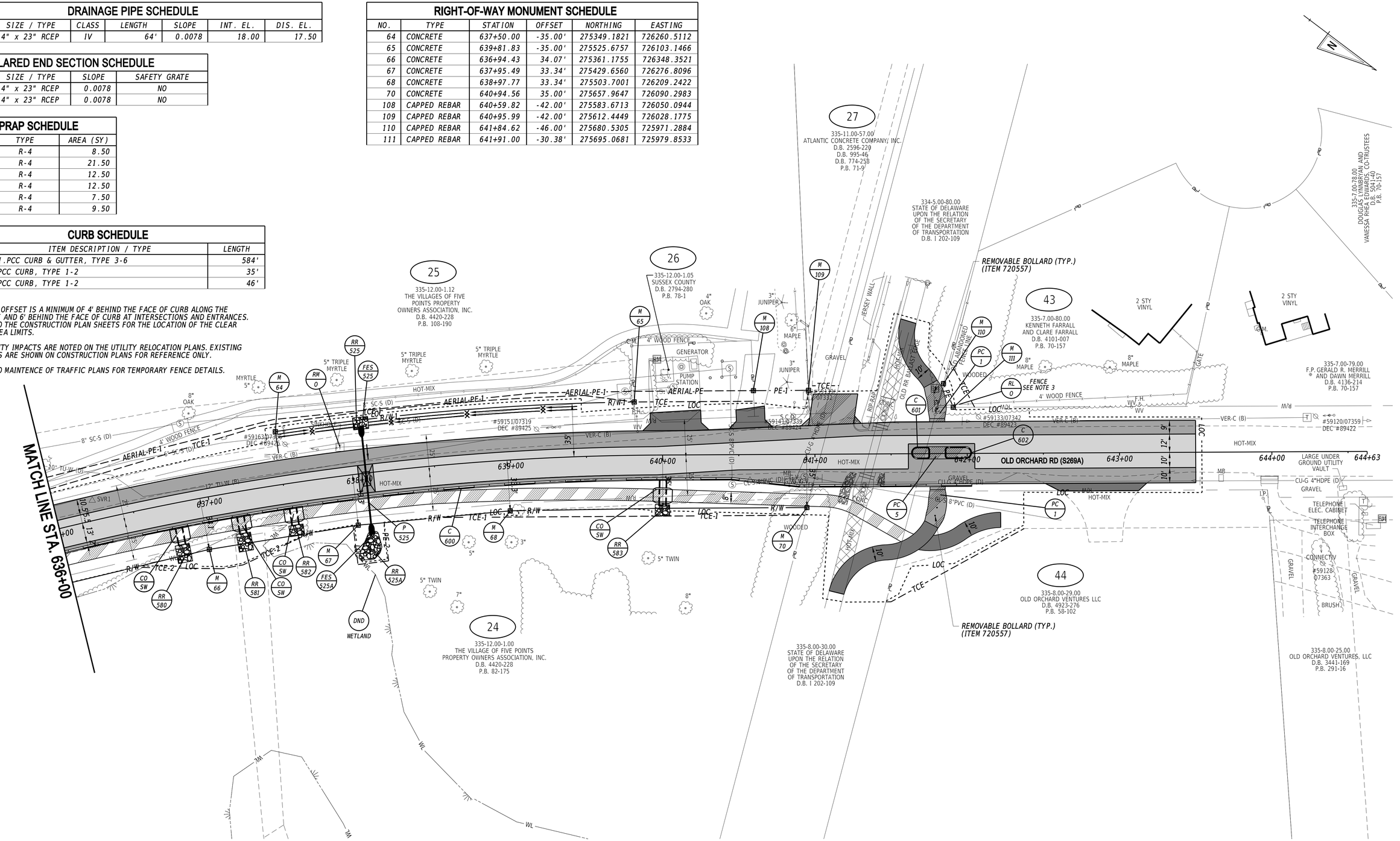
NO.	ITEM DESCRIPTION / TYPE	LENGTH
600	1.PCC CURB & GUTTER, TYPE 3-6	584'
601	PCC CURB, TYPE 1-2	35'
602	PCC CURB, TYPE 1-2	46'

RIGHT-OF-WAY MONUMENT SCHEDULE

NO.	TYPE	STATION	OFFSET	NORTHING	EASTING
64	CONCRETE	637+50.00	-35.00'	275349.1821	726260.5112
65	CONCRETE	639+81.83	-35.00'	275525.6757	726103.1466
66	CONCRETE	636+94.43	34.07'	275361.1755	726348.3521
67	CONCRETE	637+95.49	33.34'	275429.6560	726276.8096
68	CONCRETE	638+97.77	33.34'	275503.7001	726209.2422
70	CONCRETE	640+94.56	35.00'	275657.9647	726090.2983
108	CAPPED REBAR	640+59.82	-42.00'	275583.6713	726050.0944
109	CAPPED REBAR	640+95.99	-42.00'	275612.4449	726028.1775
110	CAPPED REBAR	641+84.62	-46.00'	275680.5305	725971.2884
111	CAPPED REBAR	641+91.00	-30.38'	275695.0681	725979.8533

NOTES:

1. LATERAL OFFSET IS A MINIMUM OF 4' BEHIND THE FACE OF CURB ALONG THE ROADWAY AND 6' BEHIND THE FACE OF CURB AT INTERSECTIONS AND ENTRANCES. REFER TO THE CONSTRUCTION PLAN SHEETS FOR THE LOCATION OF THE CLEAR ZONE AREA LIMITS.
2. ALL UTILITY IMPACTS ARE NOTED ON THE UTILITY RELOCATION PLANS. EXISTING UTILITIES ARE SHOWN ON CONSTRUCTION PLANS FOR REFERENCE ONLY.
3. REFER TO MAINTENCE OF TRAFFIC PLANS FOR TEMPORARY FENCE DETAILS.



RIGHT-OF-WAY MONUMENT SCHEDULE

NO.	TYPE	STATION	OFFSET	NORTHING	EASTING
22	CONCRETE	357+58.77	42.00'	273661.1968	727784.5066
24	CONCRETE	359+15.87	42.00'	273705.2211	727932.9581
26	CONCRETE	359+15.30	46.44'	273700.7895	727933.5616
27	CONCRETE	359+94.06	80.00'	273688.8134	728018.3348
28	CONCRETE	360+59.36	-42.00'	273823.5783	728049.7377
29	CONCRETE	362+96.00	-40.00'	273899.2485	728264.5326
32	CONCRETE	362+21.00	-60.00'	273887.8510	728191.6062
33	CONCRETE	362+81.72	62.04'	273801.4406	728296.9901
34	CONCRETE	362+87.00	-56.00'	273909.7348	728249.7308
35	CONCRETE	362+87.00	-51.00'	273905.2525	728251.9463
71	CONCRETE	358+20.22	-52.54'	273769.8546	727814.8410
72	CONCRETE	357+27.00	-37.41'	273726.5205	727729.3126
73	CONCRETE	359+14.49	-72.56'	273815.4996	727901.8990
74	CONCRETE	358+20.05	-38.66'	273756.5202	727818.6987
75	CONCRETE	358+86.16	-55.69'	273791.6268	727878.4777

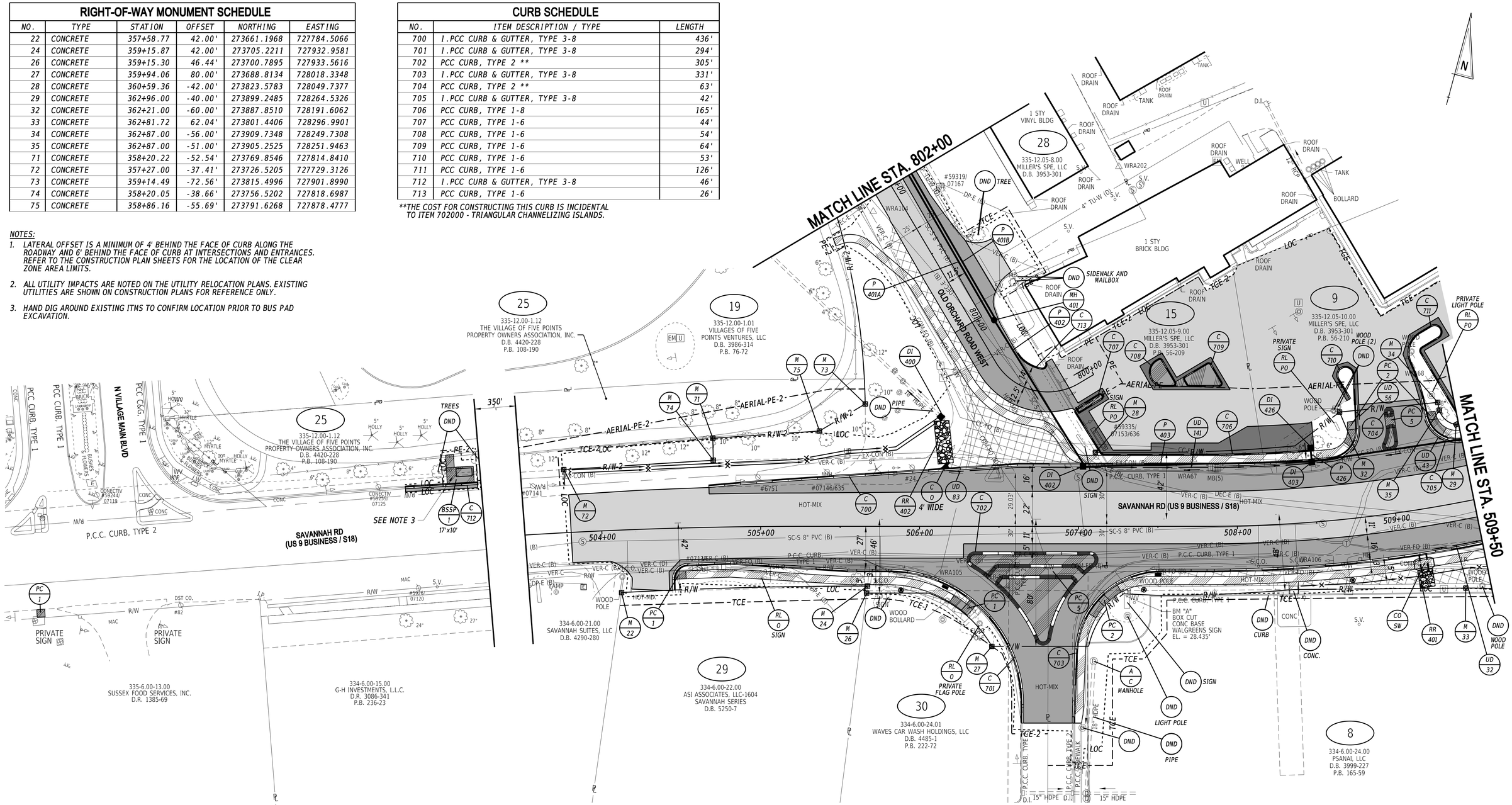
CURB SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
700	I.PCC CURB & GUTTER, TYPE 3-8	436'
701	I.PCC CURB & GUTTER, TYPE 3-8	294'
702	PCC CURB, TYPE 2 **	305'
703	I.PCC CURB & GUTTER, TYPE 3-8	331'
704	PCC CURB, TYPE 2 **	63'
705	I.PCC CURB & GUTTER, TYPE 3-8	42'
706	PCC CURB, TYPE 1-8	165'
707	PCC CURB, TYPE 1-6	44'
708	PCC CURB, TYPE 1-6	54'
709	PCC CURB, TYPE 1-6	64'
710	PCC CURB, TYPE 1-6	53'
711	PCC CURB, TYPE 1-6	126'
712	I.PCC CURB & GUTTER, TYPE 3-8	46'
713	PCC CURB, TYPE 1-6	26'

**THE COST FOR CONSTRUCTING THIS CURB IS INCIDENTAL TO ITEM 702000 - TRIANGULAR CHANNELIZING ISLANDS.

NOTES:

1. LATERAL OFFSET IS A MINIMUM OF 4' BEHIND THE FACE OF CURB ALONG THE ROADWAY AND 6' BEHIND THE FACE OF CURB AT INTERSECTIONS AND ENTRANCES. REFER TO THE CONSTRUCTION PLAN SHEETS FOR THE LOCATION OF THE CLEAR ZONE AREA LIMITS.
2. ALL UTILITY IMPACTS ARE NOTED ON THE UTILITY RELOCATION PLANS. EXISTING UTILITIES ARE SHOWN ON CONSTRUCTION PLANS FOR REFERENCE ONLY.
3. HAND DIG AROUND EXISTING ITMS TO CONFIRM LOCATION PRIOR TO BUS PAD EXCAVATION.



MANHOLE SCHEDULE

NO.	STATION	OFFSET	TYPE/SIZE	T.G. EL.	INVERT EL.
401	1+38.10	12.64' RT	66" x 66"	27.86	21.54

RIPRAP SCHEDULE

NO.	TYPE	AREA (SY)
401	R-4	12.00
402	R-4	20.00

DRAINAGE PIPE SCHEDULE

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INT. EL.	DIS. EL.
401A*	15" RCP	IV	300'	0.0047	21.54	20.14
401B*	15" RCP	IV	300'	0.0047	21.54	20.14
402	21" RCP	IV	106'	0.0036	21.92	21.54
403	18" RCP	IV	119'	0.0042	22.42	21.92
426	18" RCP	IV	6'	0.0133	23.20	23.12

*PIPES 401A & 401B ARE DUAL BARREL 15" RCP TO AVOID UTILITY CONFLICTS

DRAINAGE INLET SCHEDULE

NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.
400+	506+13.40	68.40' LT	34" x 24"	2	26.94	24.50
402	507+02.80	*	48" x 48"	4	**	21.92
403	508+50.00	*	48" x 30"	4	**	22.42
426	508+50.00	*	34" x 24"	1	26.55	23.20

*MATCH PROPOSED CURBLINE
**MATCH FLOWLINE OF PROPOSED CURB
+DOG HOUSE INLET OVER EXISTING 15" HDPE

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY:	J. SINCLAIR
COUNTY	CHECKED BY:	V. KOWALSKI
SUSSEX		

CONSTRUCTION PLANS

	CP-07
SECTION	WRA
SHEET NO.	32

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4/4/2025

NOTES:

1. *LATERAL OFFSET IS A MINIMUM OF 4' BEHIND THE FACE OF CURB ALONG THE ROADWAY AND 6' BEHIND THE FACE OF CURB AT INTERSECTIONS AND ENTRANCES. REFER TO THE CONSTRUCTION PLAN SHEETS FOR THE LOCATION OF THE CLEAR ZONE AREA LIMITS.*
2. *REMOVE APPROXIMATELY 90' OF THE PIPE FROM THE UPSTREAM END AND TIE REMAINING PORTION INTO MH-606.*
3. *ALL UTILITY IMPACTS ARE NOTED ON THE UTILITY RELOCATION PLANS. EXISTING UTILITIES ARE SHOWN ON CONSTRUCTION PLANS FOR REFERENCE ONLY.*
4. *UTILTIES HAVE BEEN RELOCATED AROUND BAYVIEW MEDICAL DRIVE DUE TO SIGN RELOCATION. CONTRACTOR SHALL HAND DIG IN PROXIMITY OF PROPOSED CURB TO DETERMINE IF ANY NEW UTILITY CONFLICTS EXIST.*

DRAINAGE PIPE SCHEDULE

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INT. EL.	DIS. EL.
604	15" RCP	IV	102'	0.0030	21.50	21.19
605	15" RCP	IV	88'	0.0027	21.19	20.95
614	12" RCP	IV	35'	0.0020	21.89	21.82
615	15" RCP	IV	49'	0.0100	21.82	21.33
620	12" RCP	IV	82'	0.0057	22.66	22.19
621	12" RCP	IV	31'	0.0110	22.19	21.85

MANHOLE SCHEDULE

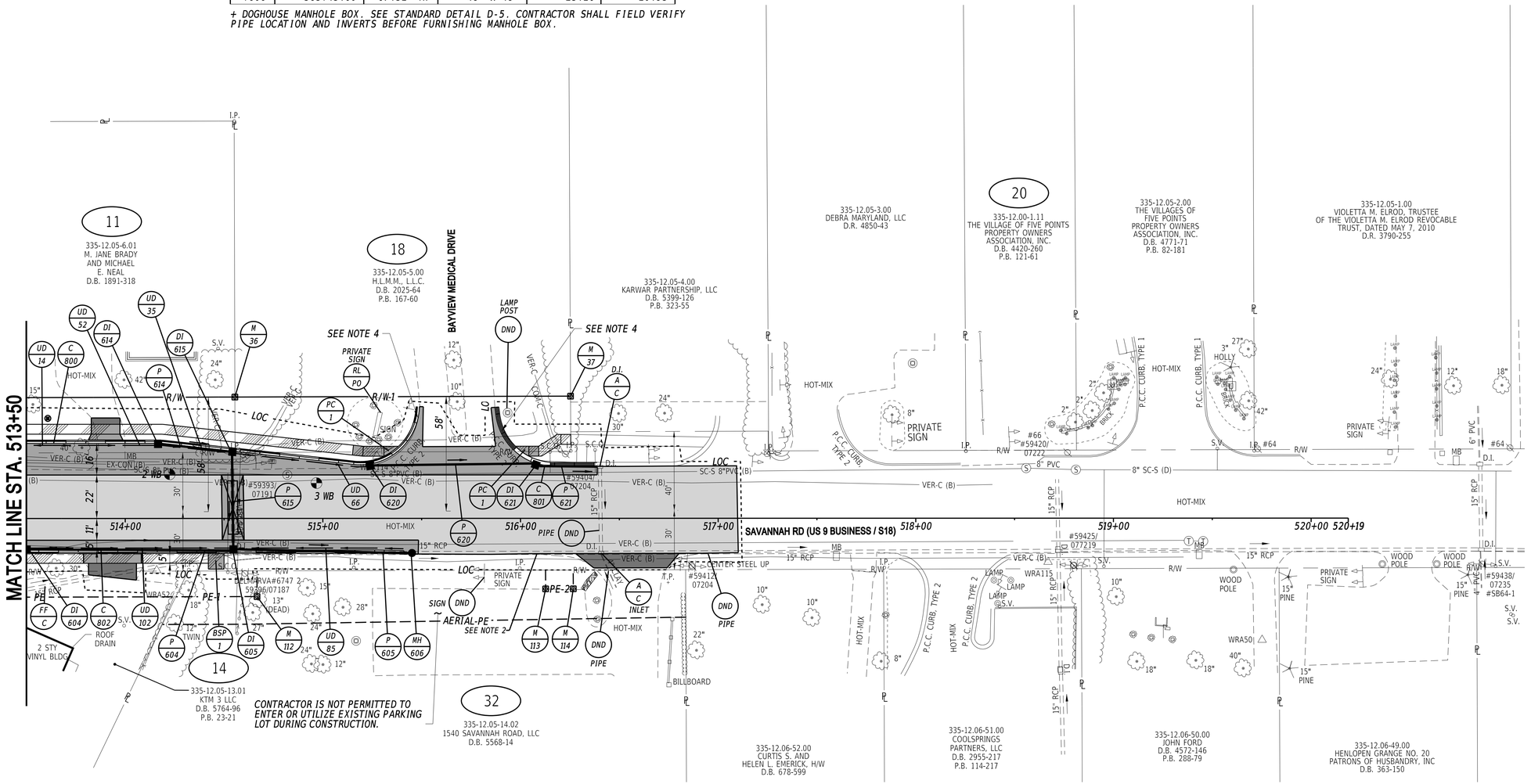
NO.	STATION	OFFSET	TYPE/SIZE	T.G. EL.	INVERT EL.
+606	515+45.10	17.52' RT	48" x 48"	25.21	20.93

+ DOGHOUSE MANHOLE BOX. SEE STANDARD DETAIL D-5. CONTRACTOR SHALL FIELD VERIFY PIPE LOCATION AND INVERTS BEFORE FURNISHING MANHOLE BOX.

DRAINAGE INLET SCHEDULE

NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.
604	513+50.20	*	48" x 30"	4	**	21.50
605	514+54.70	*	48" x 30"	4	**	21.19
614	514+16.60	*	34" x 24"	4	**	21.89
615	514+54.25	*	34" x 24"	4	**	21.82
620	515+23.85	*	34" x 24"	1	**	22.66
621	516+07.75	*	34" x 24"	1	**	22.19

**MATCH PROPOSED CURBLINE*
***MATCH FLOWLINE OF PROPOSED CURB*



CURB SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
800	I.PCC CURB & GUTTER, TYPE 3-8	216'
801	PCC CURB, TYPE 2	69'
802	I.PCC CURB & GUTTER, TYPE 3-8	191'

ROADWAY CORE SCHEDULE

NO.	STATION	OFFSET	DESCRIPTION
2 WB	514+22.47	22.35' LT	6.5" OF HOT-MIX ASPHALT OVER 8"+ SAND
3 WB	514+96.08	17.88' LT	7.5" OF HOT-MIX ASPHALT OVER 8"+ SAND

RIGHT-OF-WAY MONUMENT SCHEDULE

NO.	TYPE	STATION	OFFSET	NORTHING	EASTING
36	CONCRETE	368+00.04	-58.00'	274228.9670	728616.3534
37	CONCRETE	369+69.88	-58.00'	274357.4500	728727.4277
112	CAPPED REBAR	368+11.00	43.00'	274171.2048	728699.9277
113	CAPPED REBAR	369+57.00	39.50'	274283.9425	728792.7635
114	CAPPED REBAR	369+71.00	39.50'	274294.5334	728801.9194

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	T201609601
COUNTY	SUSSEX
BRIDGE NO.	N/A
DESIGNED BY:	J. SINCLAIR
CHECKED BY:	V. KOWALSKI

CONSTRUCTION PLANS

CP-08
SECTION WRA
SHEET NO. 33

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RIGHT-OF-WAY MONUMENT SCHEDULE

NO.	TYPE	STATION	OFFSET	NORTHING	EASTING
41	CONCRETE	1103+27.42	44.54'	273245.2970	728622.7488
115	CAPPED REBAR	1104+58.40	-60.56'	273400.5567	728681.6397

FLARED END SECTION SCHEDULE

NO.	SIZE / TYPE	SLOPE	SAFETY GRATE
105	12" RCP	0.0059	NO
105A	12" RCP	0.0059	NO

DRAINAGE PIPE SCHEDULE

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INVERT EL.	DIS. EL.
105	12" RCP	IV	32'	0.0059	22.74	22.55

RIPRAP SCHEDULE

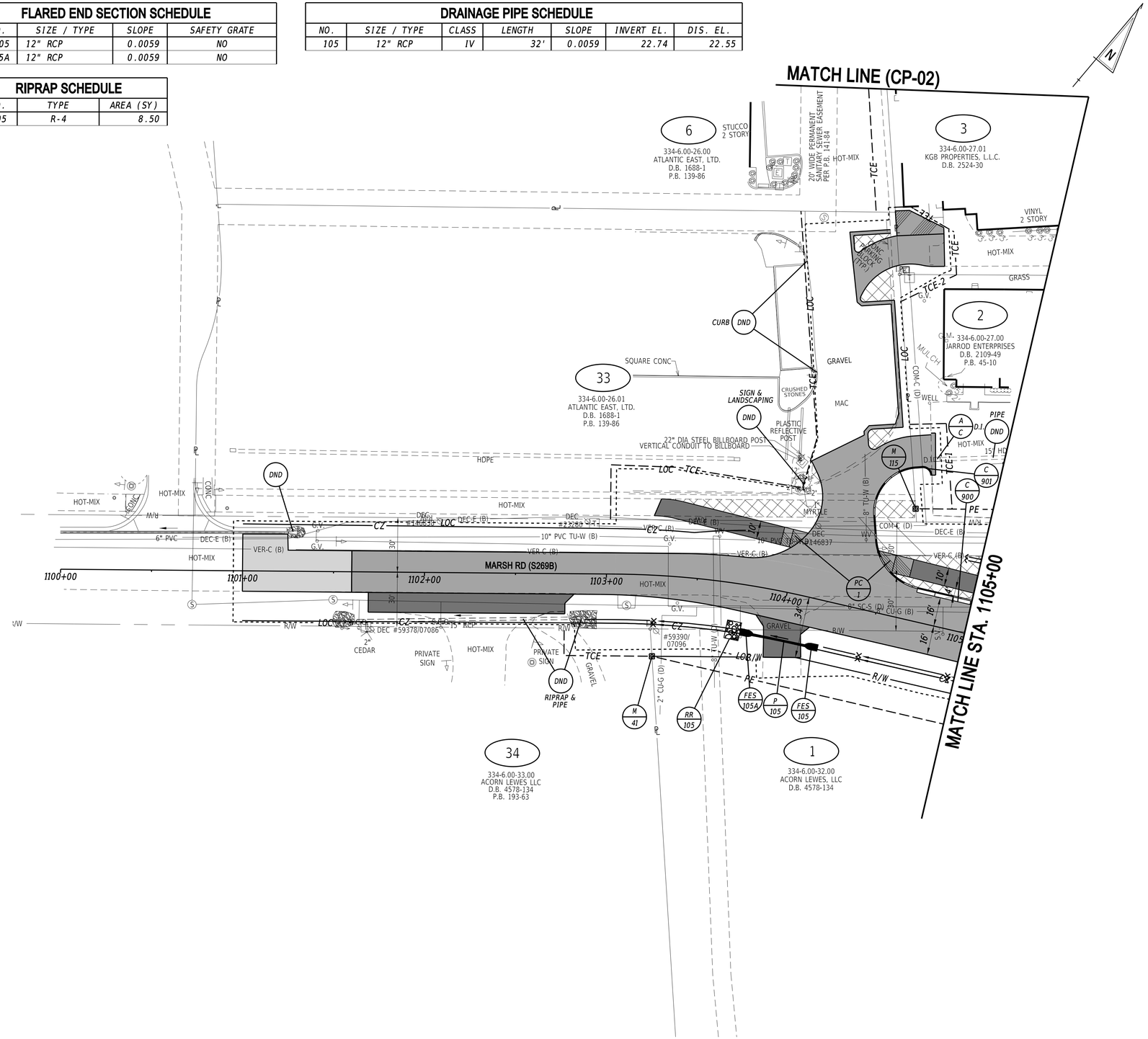
NO.	TYPE	AREA (SY)
105	R-4	8.50

CURB SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
900	1.PCC CURB & GUTTER, TYPE 1-8	31'
901	PCC CURB, TYPE 1-8	102'

NOTES:

1. *LATERAL OFFSET IS A MINIMUM OF 4' BEHIND THE FACE OF CURB ALONG THE ROADWAY AND 6' BEHIND THE FACE OF CURB AT INTERSECTIONS AND ENTRANCES. REFER TO THE CONSTRUCTION PLAN SHEETS FOR THE LOCATION OF THE CLEAR ZONE AREA LIMITS.*
2. *ALL UTILITY IMPACTS ARE NOTED ON THE UTILITY RELOCATION PLANS. EXISTING UTILITIES ARE SHOWN ON CONSTRUCTION PLANS FOR REFERENCE ONLY.*



ADDENDA / REVISIONS	

SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	T201609601
COUNTY	SUSSEX
BRIDGE NO.	N/A
DESIGNED BY:	J. SINCLAIR
CHECKED BY:	V. KOWALSKI

CONSTRUCTION PLANS

	CP-09
SECTION	WRA
SHEET NO.	34

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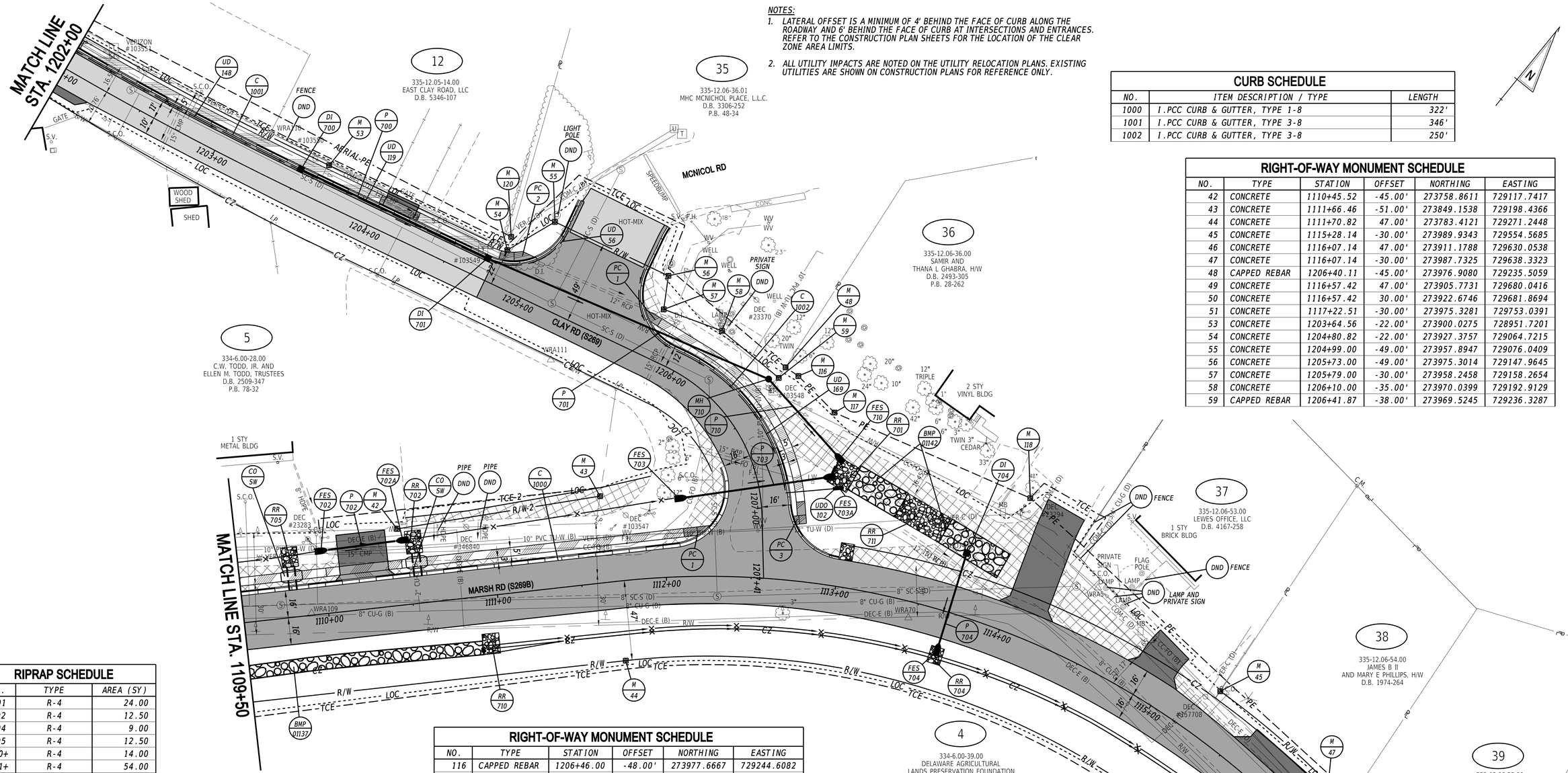

NOTES:

1. *LATERAL OFFSET IS A MINIMUM OF 4' BEHIND THE FACE OF CURB ALONG THE ROADWAY AND 6' BEHIND THE FACE OF CURB AT INTERSECTIONS AND ENTRANCES. REFER TO THE CONSTRUCTION PLAN SHEETS FOR THE LOCATION OF THE CLEAR ZONE AREA LIMITS.*
2. *ALL UTILITY IMPACTS ARE NOTED ON THE UTILITY RELOCATION PLANS. EXISTING UTILITIES ARE SHOWN ON CONSTRUCTION PLANS FOR REFERENCE ONLY.*

CURB SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
1000	I.PCC CURB & GUTTER, TYPE 1-8	322'
1001	I.PCC CURB & GUTTER, TYPE 3-8	346'
1002	I.PCC CURB & GUTTER, TYPE 3-8	250'

RIGHT-OF-WAY MONUMENT SCHEDULE

NO.	TYPE	STATION	OFFSET	NORTHING	EASTING
42	CONCRETE	1110+45.52	-45.00'	273758.8611	729117.7417
43	CONCRETE	1111+66.46	-51.00'	273849.1538	729198.4366
44	CONCRETE	1111+70.82	47.00'	273783.4121	729271.2448
45	CONCRETE	1115+28.14	-30.00'	273989.9343	729554.5685
46	CONCRETE	1116+07.14	47.00'	273911.1788	729630.0538
47	CONCRETE	1116+07.14	-30.00'	273987.7325	729638.3323
48	CAPPED REBAR	1206+40.11	-45.00'	273976.9080	729235.5059
49	CONCRETE	1116+57.42	47.00'	273905.7731	729680.0416
50	CONCRETE	1116+57.42	30.00'	273922.6746	729681.8694
51	CONCRETE	1117+22.51	-30.00'	273975.3281	729753.0391
53	CONCRETE	1203+64.56	-22.00'	273900.0275	728951.7201
54	CONCRETE	1204+80.82	-22.00'	273927.3757	729064.7215
55	CONCRETE	1204+99.00	-49.00'	273957.8947	729076.0409
56	CONCRETE	1205+73.00	-49.00'	273975.3014	729147.9645
57	CONCRETE	1205+79.00	-30.00'	273958.2458	729158.2654
58	CONCRETE	1206+10.00	-35.00'	273970.0399	729192.9129
59	CAPPED REBAR	1206+41.87	-38.00'	273969.5245	729236.3287

RIPRAP SCHEDULE

NO.	TYPE	AREA (SY)
701	R-4	24.00
702	R-4	12.50
704	R-4	9.00
705	R-4	12.50
710+	R-4	14.00
711+	R-4	54.00
712*	R-4	9.00

+SEE SWM PLANS FOR RIPRAP DETAILS

**PLACE RIPRAP WITH FINAL TOP ELEVATION LEVEL WITH THE SURROUNDING GRADE*

RIGHT-OF-WAY MONUMENT SCHEDULE

NO.	TYPE	STATION	OFFSET	NORTHING	EASTING
116	CAPPED REBAR	1206+46.00	-48.00'	273977.6667	729244.6082
117	CAPPED REBAR	1206+65.23	-56.00'	273974.3275	729274.6765
118	CAPPED REBAR	1113+91.00	-79.00'	274007.8208	729395.9808
119	CAPPED REBAR	1117+21.08	-37.00'	273982.4414	729752.3683
120	CAPPED REBAR	1204+79.47	-30.00'	273934.8335	729061.5268

DRAINAGE INLET SCHEDULE

NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.
700	1203+5.40	*	34" x 24"	4	**	21.57
701	1204+75.45	*	34" x 24"	4	**	20.87
704+	1113+68.35	36.50' LT	48" x 48"	N/A	22.97	20.47

**MATCH PROPOSED CURBLINE*
***MATCH FLOWLINE OF PROPOSED CURB*
+SEE SWM PLANS FOR INLET DETAILS

DRAINAGE PIPE SCHEDULE

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INT. EL.	DIS. EL.
700	15" RCP	IV	120'	0.0058	21.57	20.87
701	15" RCP	IV	178'	0.0035	20.87	20.25
702	12" RCP	IV	40'	0.0025	21.00	20.90
703	18" RCP	IV	96'	0.0040	20.76	20.38
704	18" RCP	IV	56'	0.0035	20.47	20.28
710	18" RCP	IV	66'	0.0038	20.25	20.00

FLARED END SECTION SCHEDULE

NO.	SIZE / TYPE	SLOPE	SAFETY GRATE
702	12" RCP	0.0025	NO
702A	12" RCP	0.0025	NO
703	18" RCP	0.0040	NO
703A	18" RCP	0.0040	NO
704	18" RCP	0.0035	NO
710	18" RCP	0.0038	NO

DELDOT SWM FACILITY SCHEDULE

NO.	TYPE / DESCRIPTION	LOCATION
01142	INFILTRATION TRENCH	STA. 112+98 LT. TO STA. 113+88 LT.

UNDERDRAIN OUTLETS

NO.	LENGTH	DIS. EL.
102	35	22.00

MANHOLE SCHEDULE

NO.	STATION	OFFSET	TYPE/SIZE	T.G. EL.	INVERT EL.
710	1206+07.47	27.36' LT	48" x 30"	23.94	20.25

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	T201609601	BRIDGE NO.	N/A
COUNTY	SUSSEX	DESIGNED BY:	J. SINCLAIR
		CHECKED BY:	V. KOWALSKI

CONSTRUCTION PLANS

CP-10
SECTION: WRA
SHEET NO.: 35

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4/4/2025
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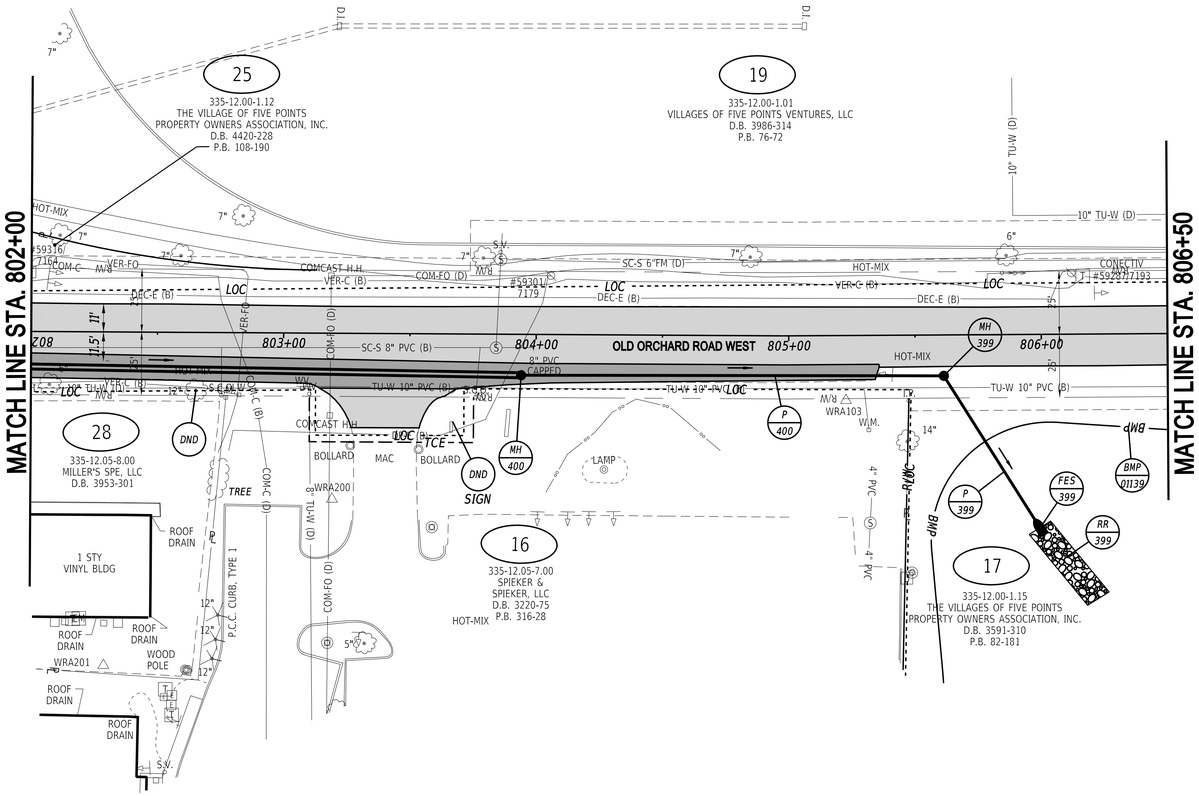
NOTES:

1. *ALL UTILITY IMPACTS ARE NOTED ON THE UTILITY RELOCATION PLANS. EXISTING UTILITIES ARE SHOWN ON CONSTRUCTION PLANS FOR REFERENCE ONLY.*



MANHOLE SCHEDULE

NO.	STATION	OFFSET	TYPE/SIZE	T.G. EL.	INVERT EL.
399	6+05.30	16.20" RT	48" x 48"	28.20	19.91
400	4+38.10	16.20' RT	66" x 66"	28.36	20.14

FLARED END SECTION SCHEDULE

NO.	SIZE / TYPE	SLOPE	SAFETY GRATE
399	24" HDPE	0.0035	NO

DRAINAGE PIPE SCHEDULE

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INT. EL.	DIS. EL.
*399	24" PERF. HDPE	N/A	72'	0.0035	19.91	19.66
400	21" RCP	IV	163"	0.0014	20.14	19.91

RIPRAP SCHEDULE

NO.	TYPE	AREA (SY)
399	R-4	40.00

**INSTALL ITEM 709006-PERFORATED PIPE UNDERDRAIN, 24" IN ACCORDANCE WITH MODIFIED PIPE TRENCH DETAIL SHEET SW-04.*

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4/4/2025 9:55:53 AM

ADDENDA / REVISIONS

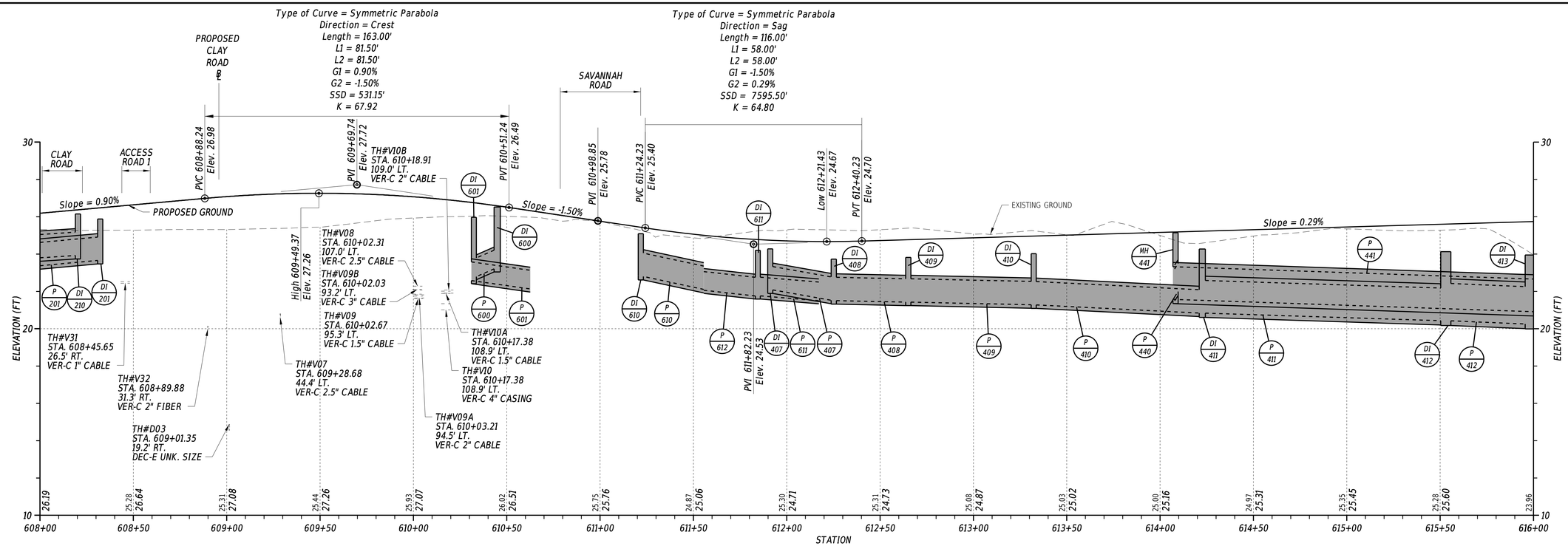
SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

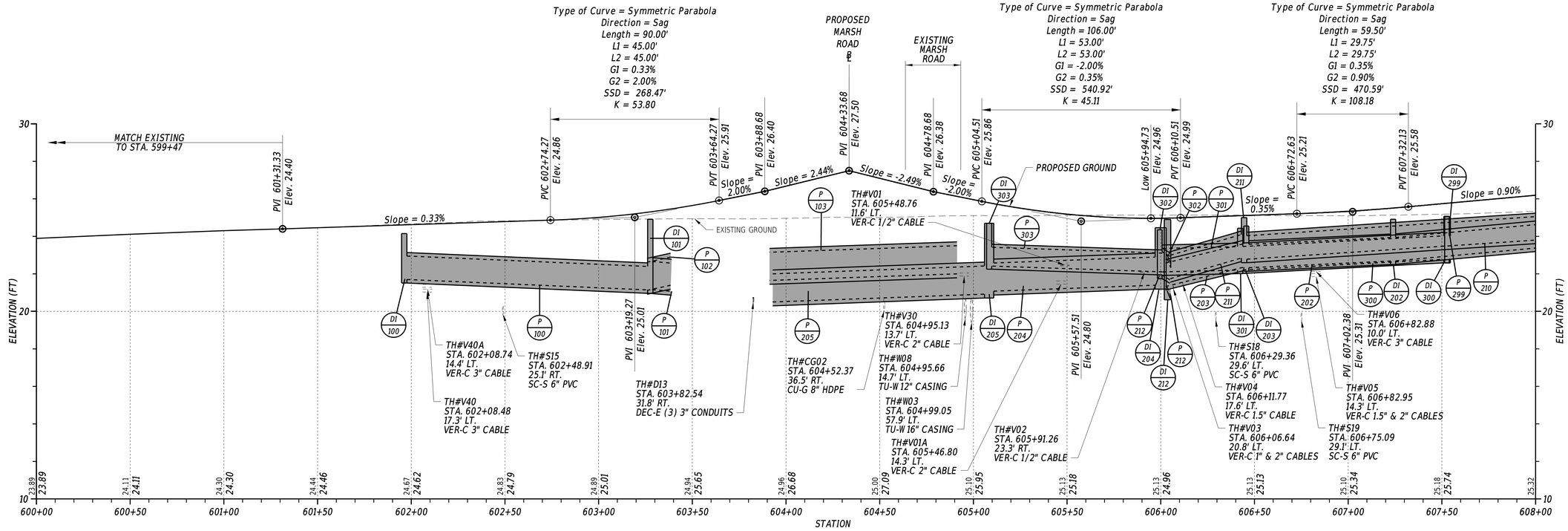
CONTRACT	T201609601
COUNTY	SUSSEX
BRIDGE NO.	N/A
DESIGNED BY:	J. SINCLAIR
CHECKED BY:	V. KOWALSKI

CONSTRUCTION PLANS

CP-11	
SECTION	WRA
SHEET NO.	36



WESCOATS ROAD(S12)/OLD ORCHARD ROAD (S269A)



WESCOATS ROAD (S12)

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	N/A	SECTION
T201609601	DESIGNED BY: V. KOWALSKI		WRA
COUNTY	CHECKED BY: T. OLIVER		SHEET NO.
SUSSEX			37

PROFILES

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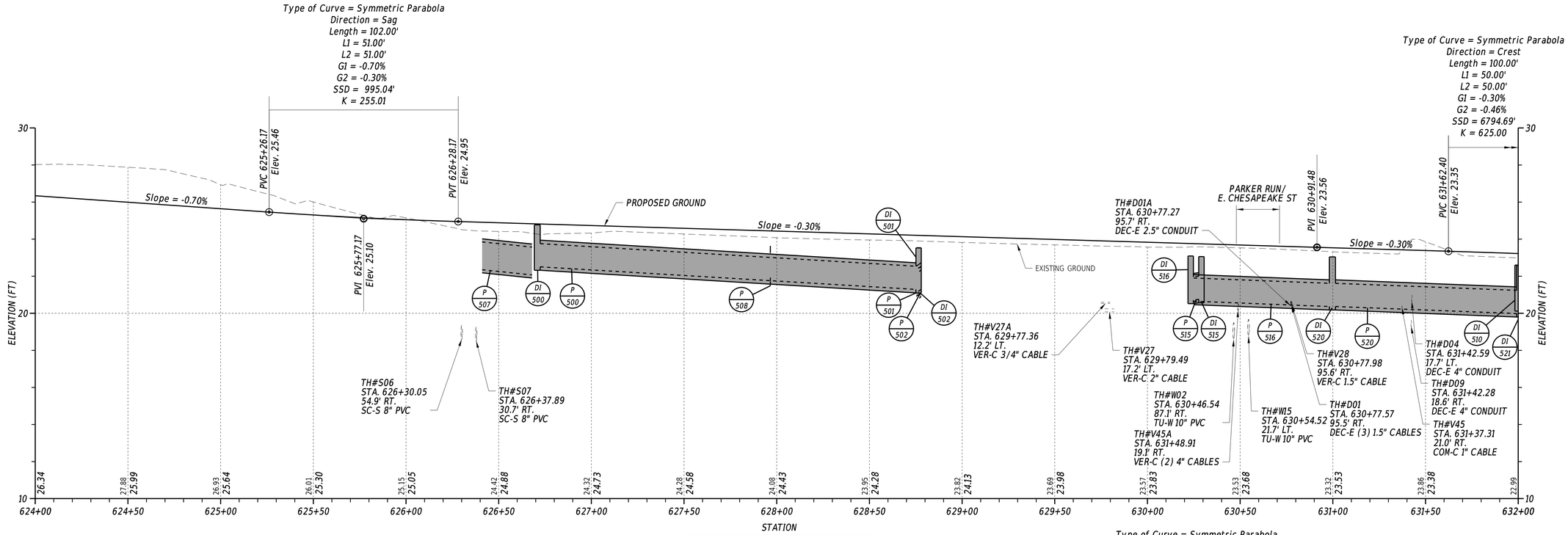
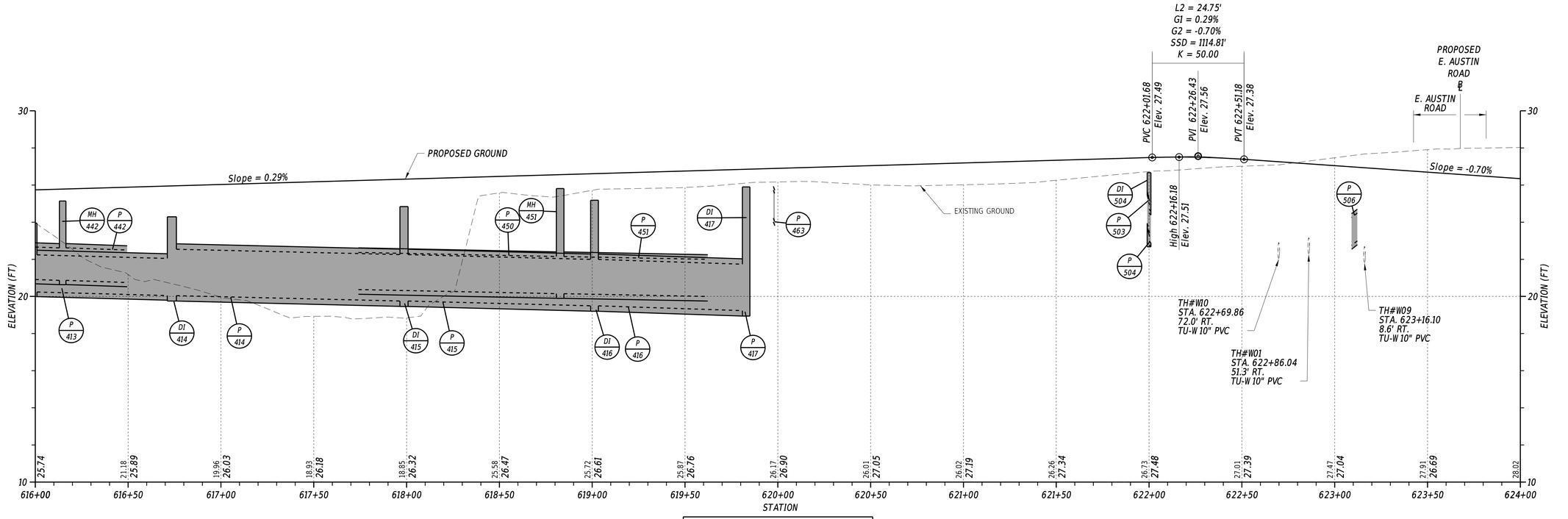


OLD ORCHARD ROAD (S269A)



OLD ORCHARD ROAD (S269A)

VERTICAL SCALE FEET: 0, 30, 60, 90

ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	PROFILES	SECTION WRA
				COUNTY SUSSEX	DESIGNED BY: V. KOWALSKI		SHEET NO. 38
					CHECKED BY: T. OLIVER		

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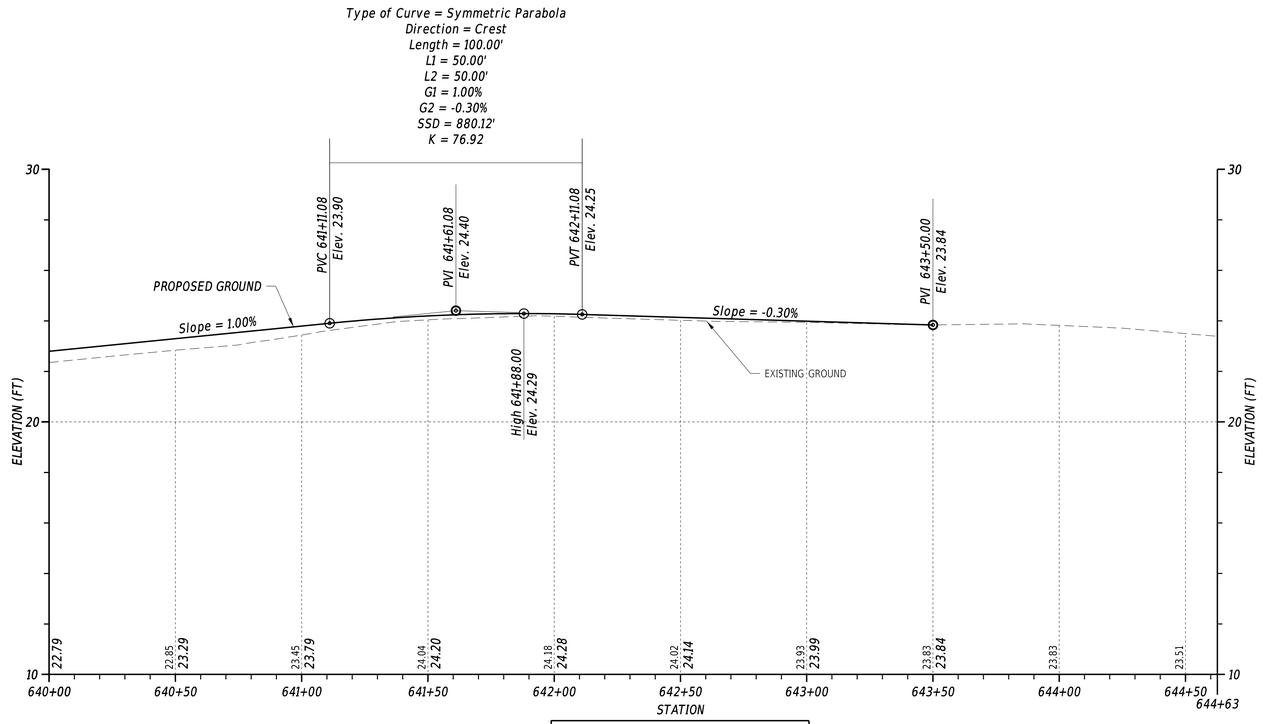
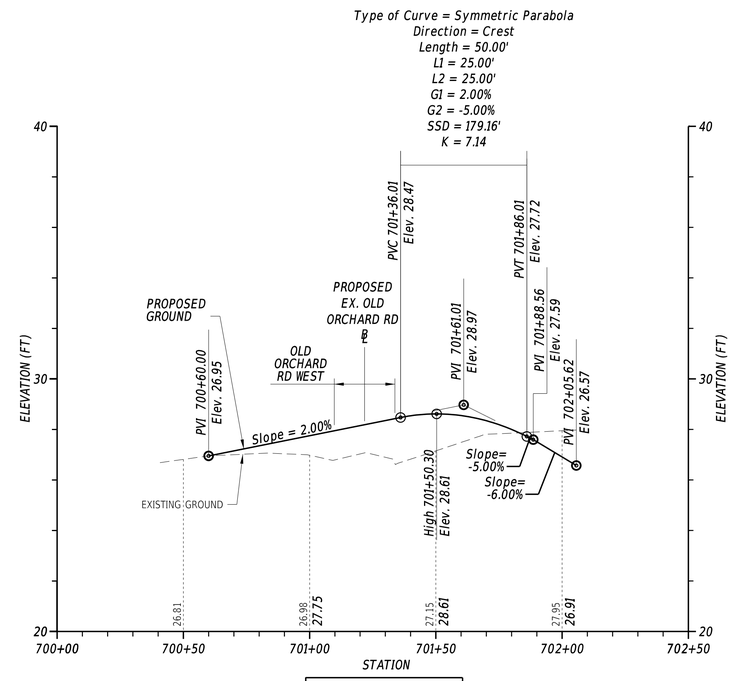
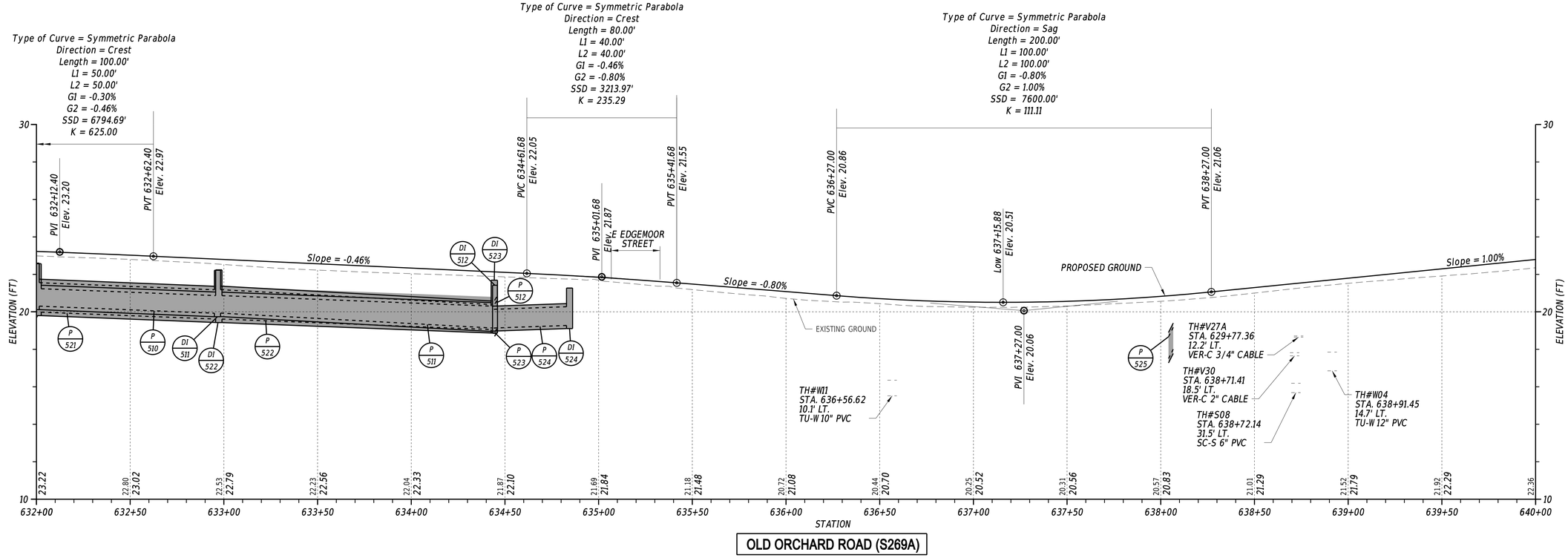


OLD ORCHARD ROAD (S269A)



E. AUSTIN STREET



OLD ORCHARD ROAD (S269A)

VERTICAL SCALE FEET
0 30 60 90

ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	PROFILES	SECTION WRA
				COUNTY SUSSEX	DESIGNED BY: V. KOWALSKI		SHEET NO. 39
					CHECKED BY: T. OLIVER		

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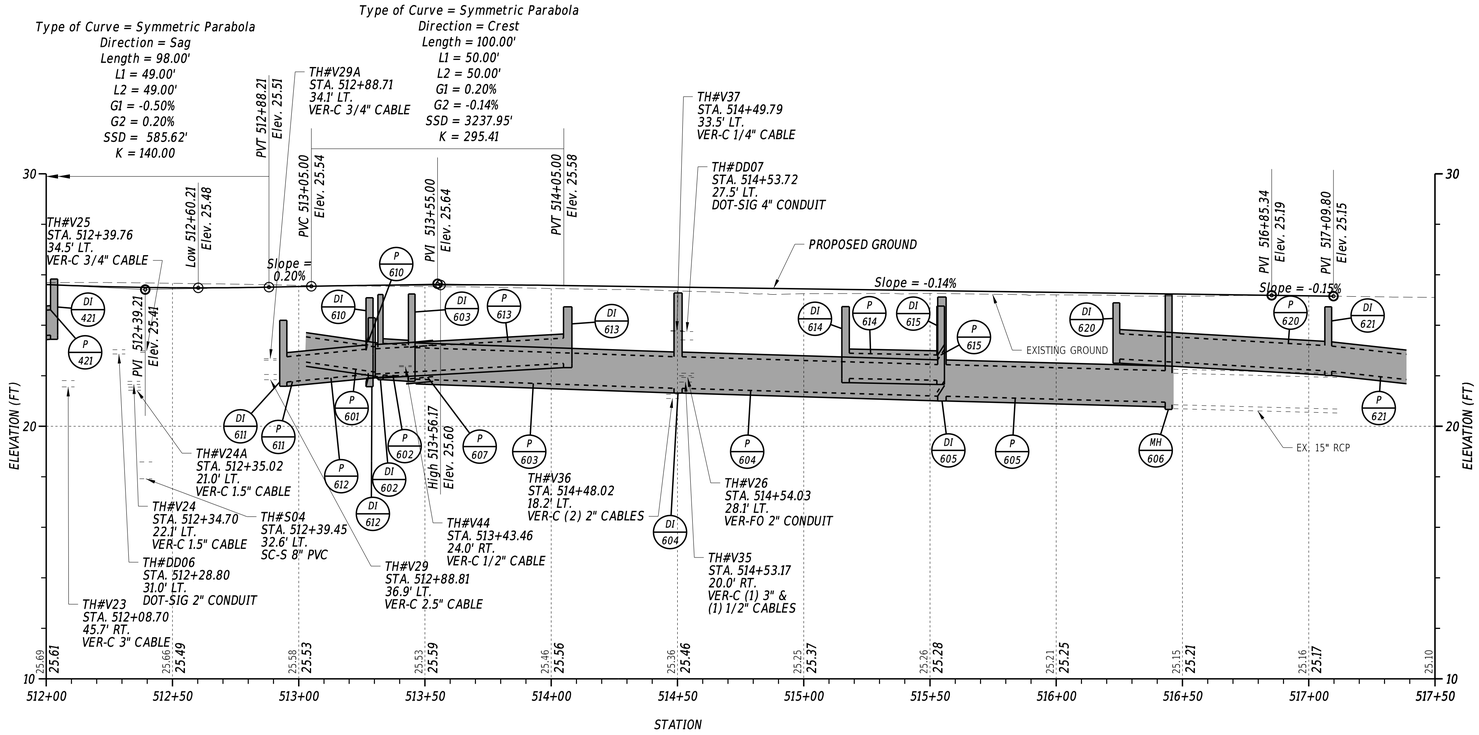

ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	PROFILES	SECTION WRA
				COUNTY SUSSEX	DESIGNED BY: V. KOWALSKI		SHEET NO. 40
					CHECKED BY: T. OLIVER		

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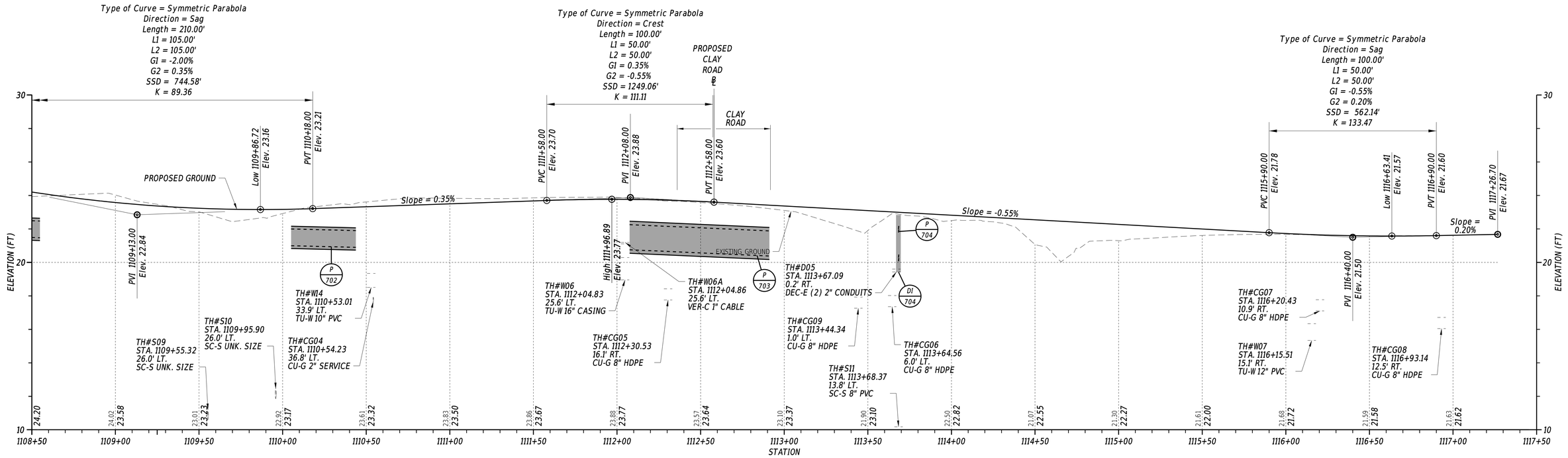
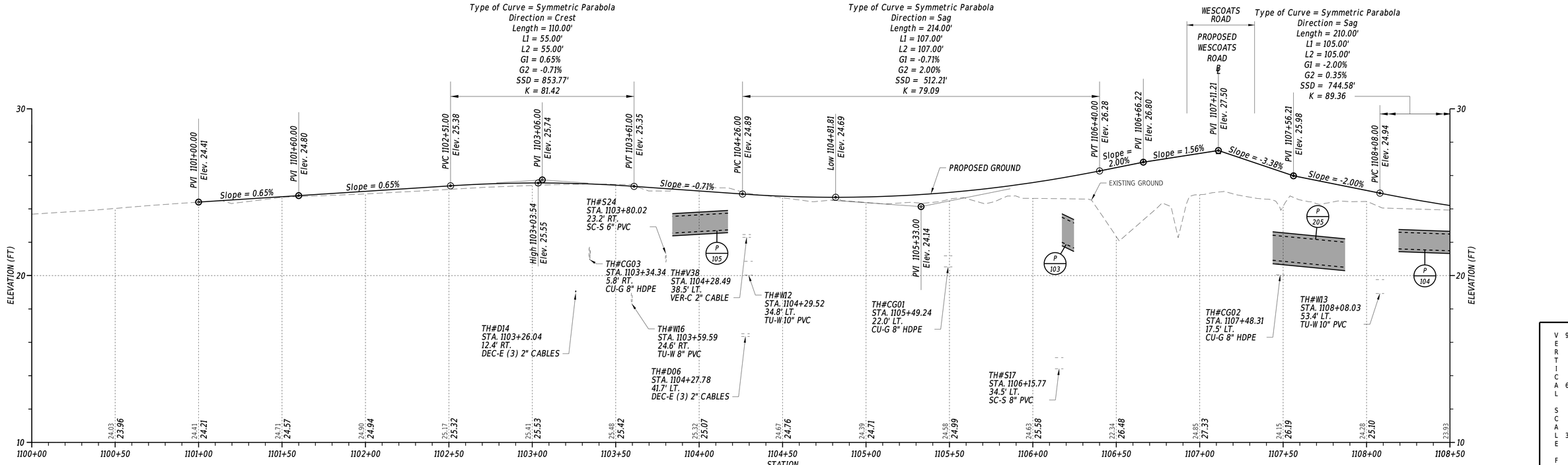


MARSH ROAD/ CLAY ROAD



MARSH ROAD

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY:	V. KOWALSKI
COUNTY	CHECKED BY:	T. OLIVER
SUSSEX		

PROFILES

SECTION	
WRA	
SHEET NO.	
41	

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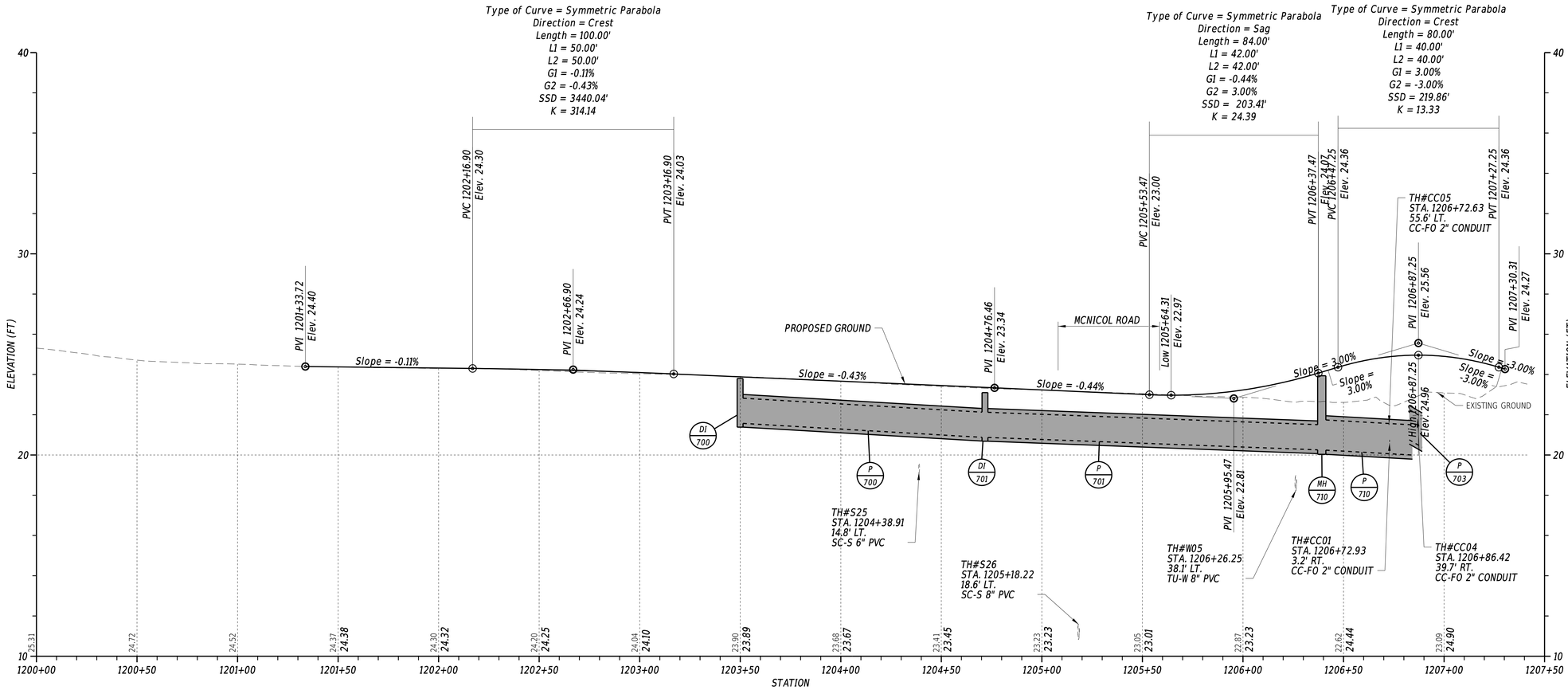

CLAY ROAD

VERTICAL SCALE FEET
90
60
30
0

ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	PROFILES	SECTION WRA
				COUNTY SUSSEX	DESIGNED BY: V. KOWALSKI		SHEET NO. 42
					CHECKED BY: T. OLIVER		

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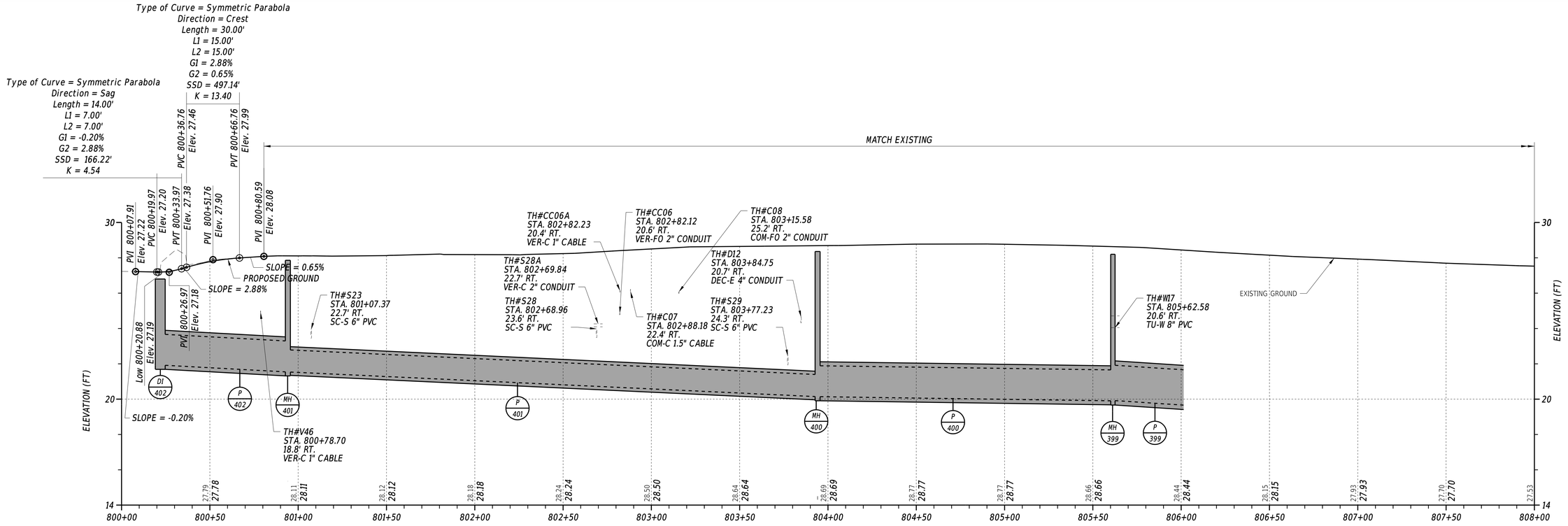
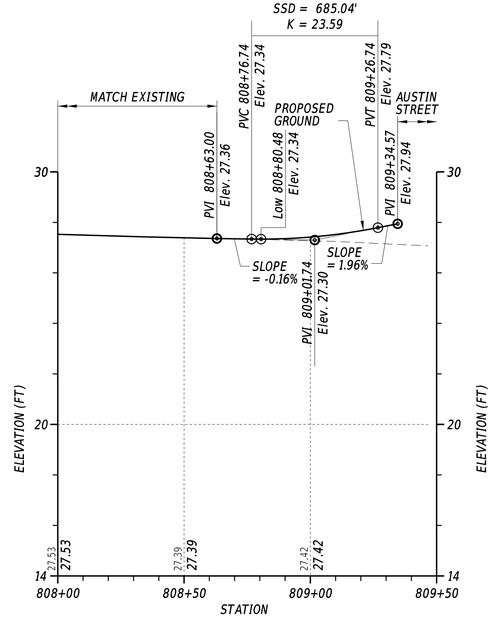


OLD ORCHARD ROAD WEST



OLD ORCHARD ROAD WEST

VERTICAL SCALE FEET 0 30 60 90

ADDENDA / REVISIONS	SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	PROFILES	SECTION WRA
			COUNTY SUSSEX	DESIGNED BY: V. KOWALSKI		SHEET NO. 43
				CHECKED BY: T. OLIVER		

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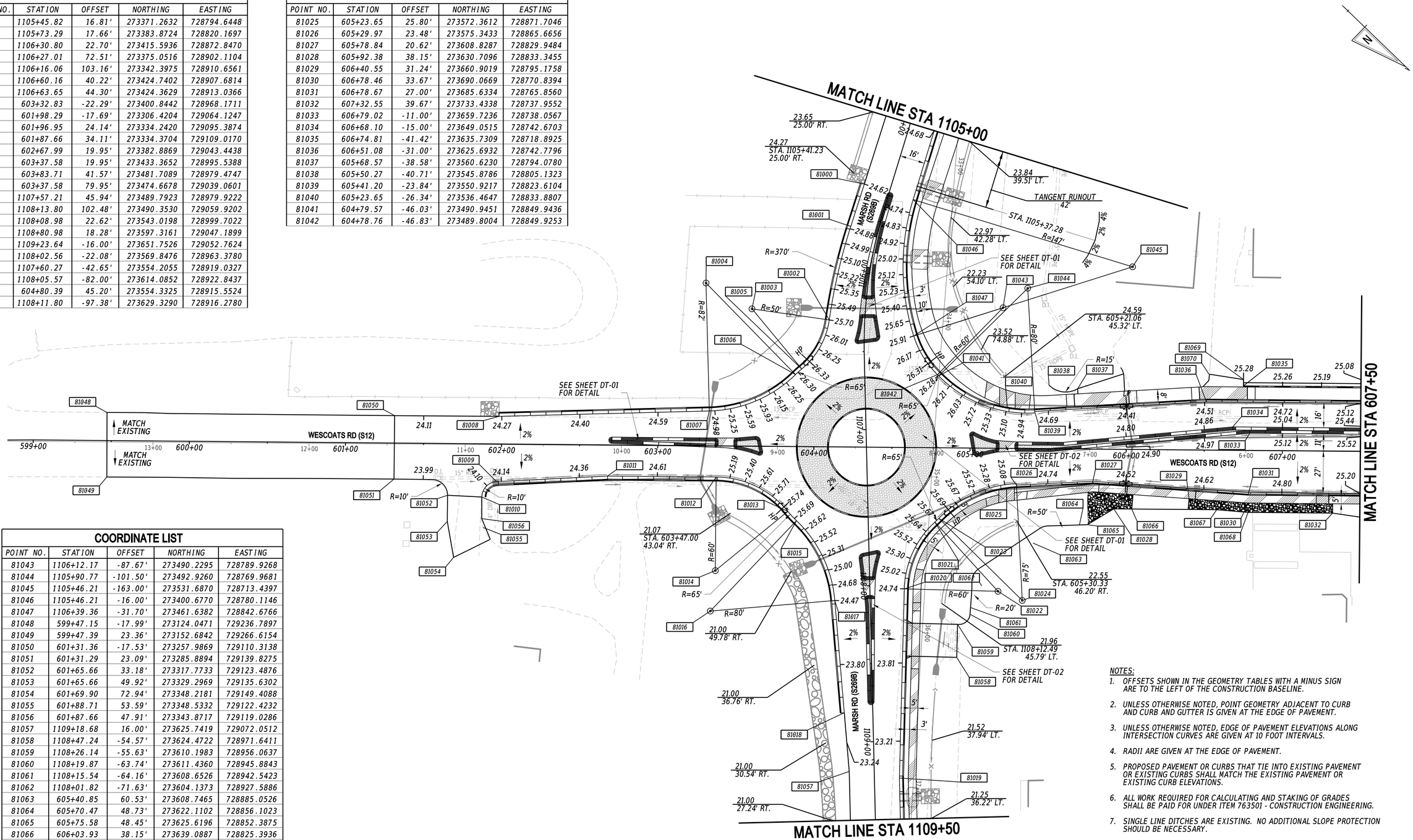
COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
81000	1105+45.82	16.81'	273371.2632	728794.6448
81001	1105+73.29	17.66'	273383.8724	728820.1697
81002	1106+30.80	22.70'	273415.5936	728872.8470
81003	1106+27.01	72.51'	273375.0516	728902.1104
81004	1106+16.06	103.16'	273342.3975	728910.6561
81005	1106+60.16	40.22'	273424.7402	728907.6814
81006	1106+63.65	44.30'	273424.3629	728913.0366
81007	603+32.83	-22.29'	273400.8442	728968.1711
81008	601+98.29	-17.69'	273306.4204	729064.1247
81009	601+96.95	24.14'	273334.2420	729095.3874
81010	601+87.66	34.11'	273334.3704	729109.0170
81011	602+67.99	19.95'	273382.8869	729043.4438
81012	603+37.58	19.95'	273433.3652	728995.5388
81013	603+83.71	41.57'	273481.7089	728979.4747
81014	603+37.58	79.95'	273474.6678	729039.0601
81015	1107+57.21	45.94'	273489.7923	728979.9222
81016	1108+13.80	102.48'	273490.3530	729059.9202
81017	1108+08.98	22.62'	273543.0198	728999.7022
81018	1108+80.98	18.28'	273597.3161	729047.1899
81019	1109+23.64	-16.00'	273651.7526	729052.7624
81020	1108+02.56	-22.08'	273569.8476	728963.3780
81021	1107+60.27	-42.65'	273554.2055	728919.0327
81022	1108+05.57	-82.00'	273614.0852	728922.8437
81023	604+80.39	45.20'	273554.3325	728915.5524
81024	1108+11.80	-97.38'	273629.3290	728916.2780

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
81025	605+23.65	25.80'	273572.3612	728871.7046
81026	605+29.97	23.48'	273575.3433	728865.6656
81027	605+78.84	20.62'	273608.8287	728829.9484
81028	605+92.38	38.15'	273630.7096	728833.3455
81029	606+40.55	31.24'	273660.9019	728795.1758
81030	606+78.46	33.67'	273690.0669	728770.8394
81031	606+78.67	27.00'	273685.6334	728765.8560
81032	607+32.55	39.67'	273733.4338	728737.9552
81033	606+79.02	-11.00'	273659.7236	728738.0567
81034	606+68.10	-15.00'	273649.0515	728742.6703
81035	606+74.81	-41.42'	273635.7309	728718.8925
81036	606+51.08	-31.00'	273625.6932	728742.7796
81037	605+68.57	-38.58'	273560.6230	728794.0780
81038	605+50.27	-40.71'	273545.8786	728805.1323
81039	605+41.20	-23.84'	273550.9217	728823.6104
81040	605+23.65	-26.34'	273536.4647	728833.8807
81041	604+79.57	-46.03'	273490.9451	728849.9436
81042	604+78.76	-46.83'	273489.8004	728849.9253



COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
81043	1106+12.17	-87.67'	273490.2295	728789.9268
81044	1105+90.77	-101.50'	273492.9260	728769.9681
81045	1105+46.21	-163.00'	273531.6870	728713.4397
81046	1105+46.21	-16.00'	273400.6770	728780.1146
81047	1106+39.36	-31.70'	273461.6382	728842.6766
81048	599+47.15	-17.99'	273124.0471	729236.7897
81049	599+47.39	23.36'	273152.6842	729266.6154
81050	601+31.36	-17.53'	273257.9869	729110.3138
81051	601+31.29	23.09'	273285.8894	729139.8275
81052	601+65.66	33.18'	273317.7733	729123.4876
81053	601+65.66	49.92'	273329.2969	729135.6302
81054	601+69.90	72.94'	273348.2181	729149.4088
81055	601+88.71	53.59'	273348.5332	729122.4232
81056	601+87.66	47.91'	273343.8717	729119.0286
81057	1109+18.68	16.00'	273625.7419	729072.0512
81058	1108+47.24	-54.57'	273624.4722	728971.6411
81059	1108+26.14	-55.63'	273610.1983	728956.0637
81060	1108+19.87	-63.74'	273611.4360	728945.8843
81061	1108+15.54	-64.16'	273608.6526	728942.5423
81062	1108+01.82	-71.63'	273604.1373	728927.5886
81063	605+40.85	60.53'	273608.7465	728885.0526
81064	605+70.47	48.73'	273622.1102	728856.1023
81065	605+75.58	48.45'	273625.6196	728852.3875
81066	606+03.93	38.15'	273639.0887	728825.3936
81067	606+58.31	38.15'	273678.5338	728787.9593
81068	606+78.46	39.67'	273694.1984	728775.1904
81069	606+74.81	-45.40'	273632.9869	728716.0023
81070	606+52.60	-48.68'	273614.6209	728728.9128
81071	605+97.82	-48.34'	273575.1247	728766.8662

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 AT 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.
7. SINGLE LINE DITCHES ARE EXISTING. NO ADDITIONAL SLOPE PROTECTION SHOULD BE NECESSARY.
8. DRIVEWAY TIE-IN POINTS SHALL MATCH EXISTING ELEVATIONS. UNLESS OTHERWISE NOTED, DRIVEWAY TIE-INS SHOULD BE CONSTRUCTED IN ACCORDANCE WITH DELDOT STANDARD DETAIL C-3 AND PROVIDE POSITIVE DRAINAGE.

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	N/A	GRADES AND GEOMETRICS
T201609601	DESIGNED BY:	J. SINCLAIR	
COUNTY	CHECKED BY:	V. KOWALSKI	
SUSSEX			

GG-01
SECTION
WRA
SHEET NO.
44

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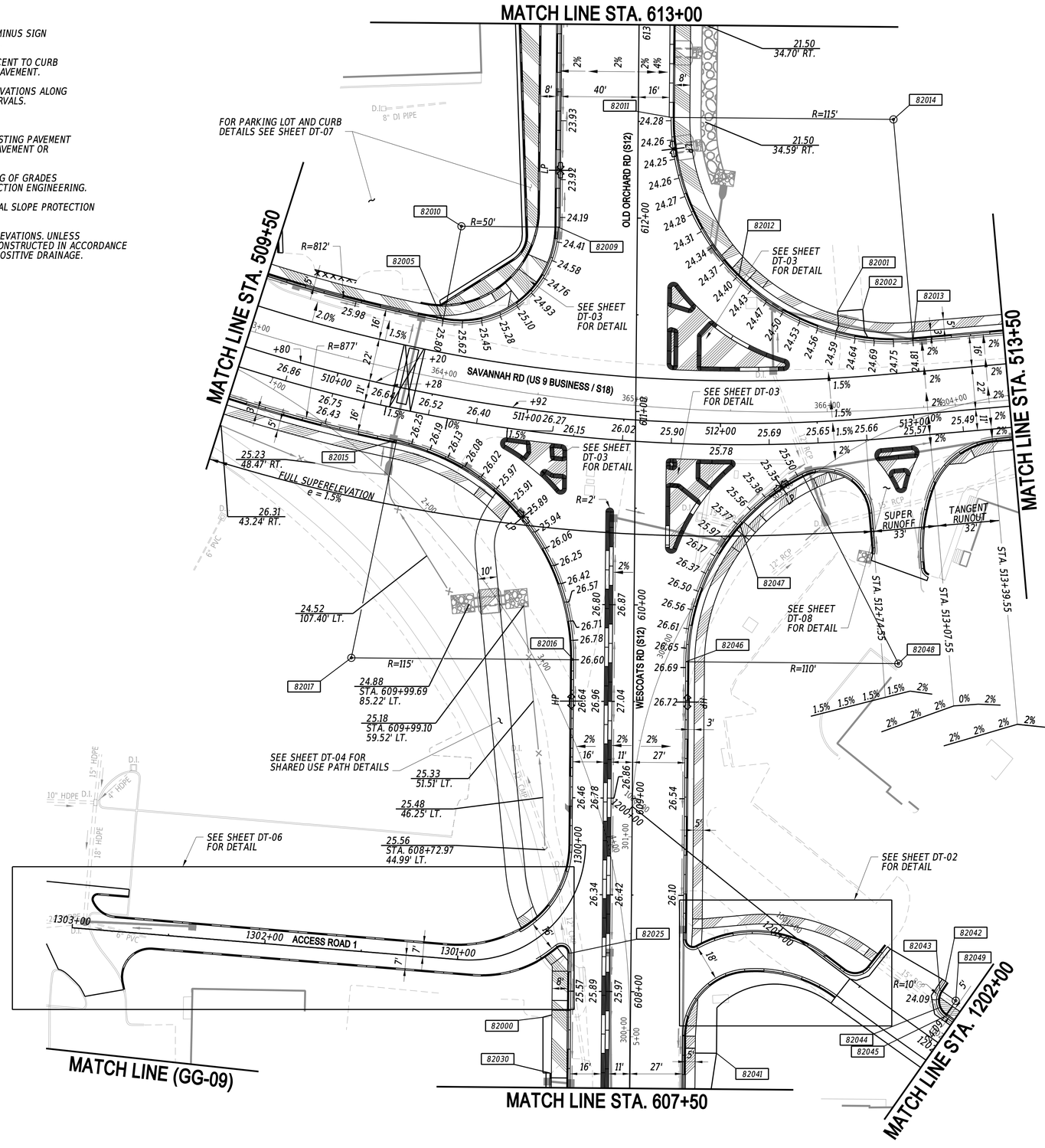
NOTES:

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 AT 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.
7. SINGLE LINE DITCHES ARE EXISTING. NO ADDITIONAL SLOPE PROTECTION SHOULD BE NECESSARY.
8. DRIVEWAY TIE-IN POINTS SHALL MATCH EXISTING ELEVATIONS. UNLESS OTHERWISE NOTED, DRIVEWAY TIE-INS SHOULD BE CONSTRUCTED IN ACCORDANCE WITH DELDOT STANDARD DETAIL C-3 AND PROVIDE POSITIVE DRAINAGE.



COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
82000	607+86.40	-45.25'	273714.0403	728639.2934
82001	512+64.13	-56.45'	274082.4696	728495.3527
82002	512+78.11	-56.47'	274092.1931	728504.0665
82005	510+48.23	-38.00'	273936.9974	728352.0866
82009	611+95.00	-41.00'	274013.3403	728361.1079
82010	611+95.00	-91.00'	273978.9215	728324.8402
82011	612+52.19	17.00'	274094.7484	728363.8109
82012	611+71.04	52.88'	274060.5887	728445.6949
82013	611+37.72	143.05'	274098.4900	728534.0400
82014	612+52.19	132.00'	274173.9117	728447.2266
82015	510+36.75	27.00'	273876.1089	728377.5324
82016	511+35.19	126.09'	273858.0092	728522.3068
82017	609+71.36	-146.00'	273778.8459	728438.8911
82025	608+19.72	-31.00'	273748.0171	728626.6916
82030	607+57.61	-41.42'	273695.7897	728661.8957
82041	607+68.55	44.67'	273762.9884	728716.8004

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
82042	1201+84.62	-28.09'	273872.0241	728776.2091
82043	1201+84.74	-22.79'	273866.7953	728777.1143
82044	1201+90.45	-15.90'	273860.8275	728783.7222
82045	1201+94.86	-13.00'	273858.6175	728788.4878
82046	609+70.81	27.00'	273897.5336	728564.7582
82047	610+41.22	54.67'	273967.6548	728536.3591
82048	609+70.81	137.00'	273973.2550	728644.5472
82049	1201+94.86	-23.00'	273868.5013	728786.9677

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY:	J. SINCLAIR
COUNTY	CHECKED BY:	V. KOWALSKI
SUSSEX		

GRADES AND GEOMETRICS

GG-02

SECTION WRA

SHEET NO. 45

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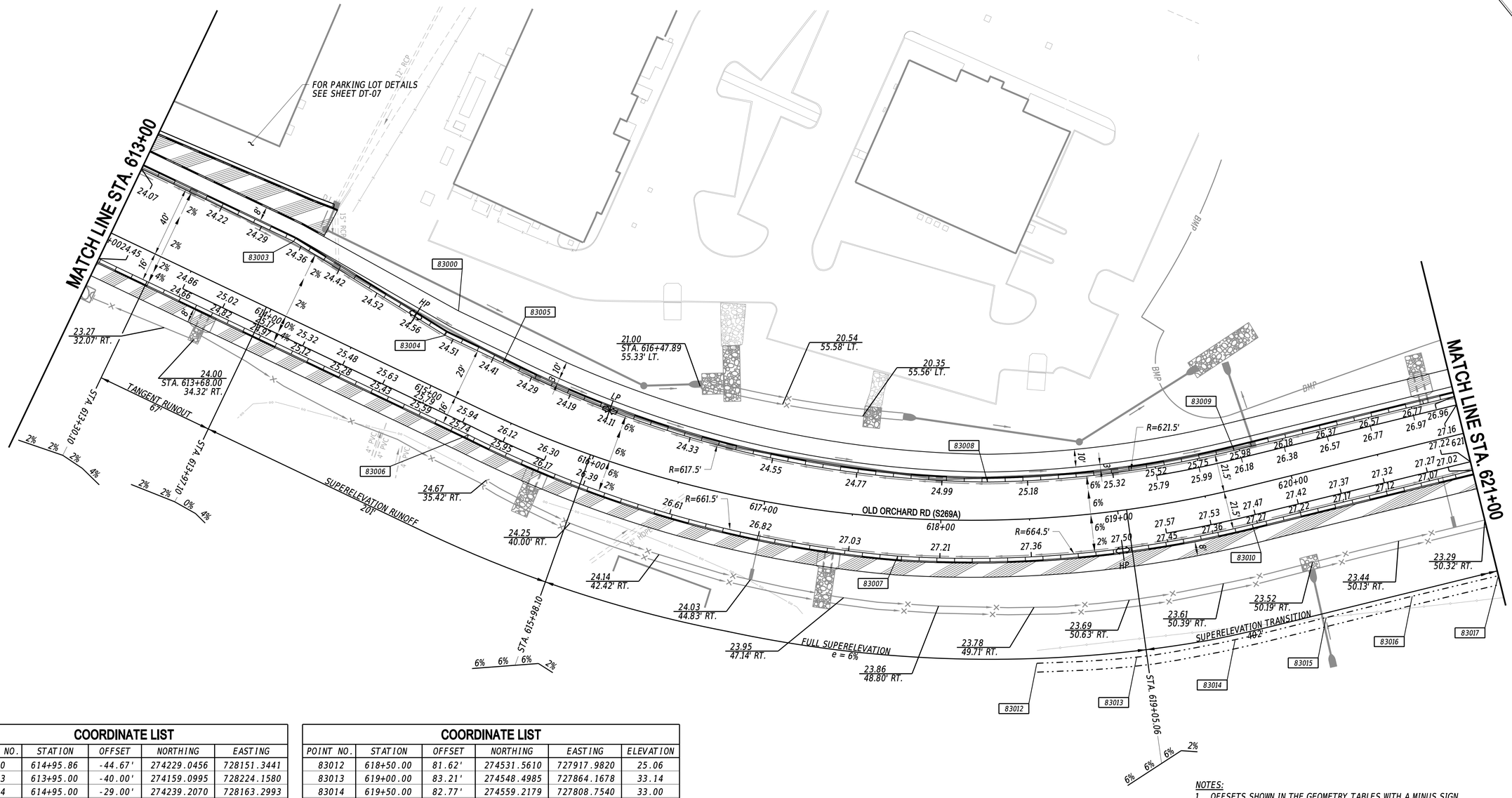

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
83000	614+95.86	-44.67'	274229.0456	728151.3441
83003	613+95.00	-40.00'	274159.0995	728224.1580
83004	614+95.00	-29.00'	274239.2070	728163.2993
83005	615+31.09	-29.00'	274265.3855	728138.4554
83006	615+31.09	16.00'	274296.3624	728171.0964
83007	617+76.98	21.50'	274446.9718	727969.5716
83008	618+26.62	-21.50'	274426.1280	727907.3317
83009	619+72.05	-21.50'	274459.3145	727771.0408
83010	619+72.05	21.50'	274501.9749	727776.4342

COORDINATE LIST					
POINT NO.	STATION	OFFSET	NORTHING	EASTING	ELEVATION
83012	618+50.00	81.62'	274531.5610	727917.9820	25.06
83013	619+00.00	83.21'	274548.4985	727864.1678	33.14
83014	619+50.00	82.77'	274559.2179	727808.7540	33.00
83015	620+00.00	82.49'	274565.9900	727756.3559	32.86
83016	620+50.00	82.39'	274572.1611	727706.7381	32.76
83017	620+99.99	82.72'	274578.7546	727657.1821	32.66

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 AT 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.
7. SINGLE LINE DITCHES ARE EXISTING. NO ADDITIONAL SLOPE PROTECTION SHOULD BE NECESSARY.

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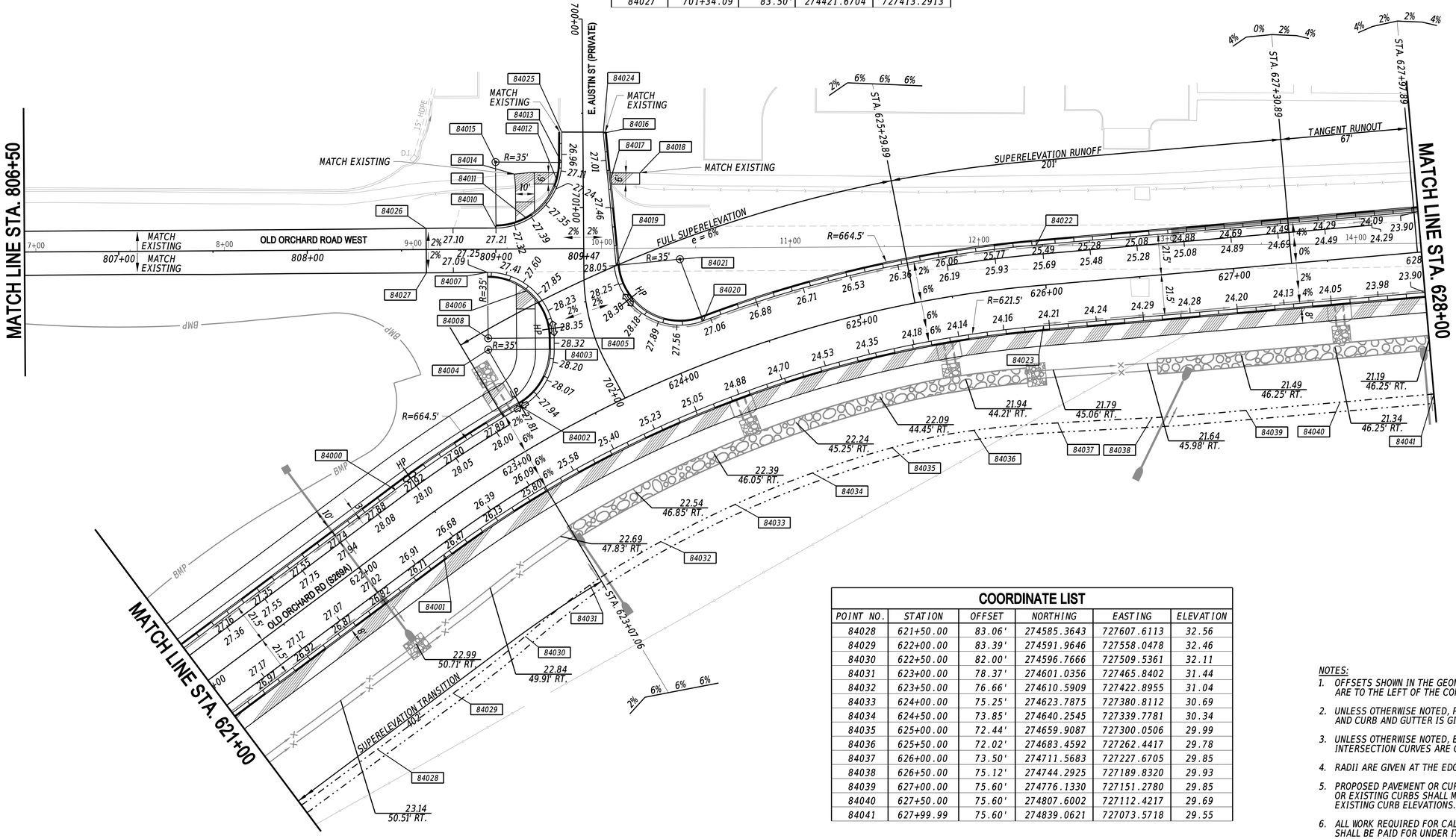
4/4/2025 9:57:24 AM

ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	GRADES AND GEOMETRICS	GG-03
				COUNTY SUSSEX	DESIGNED BY: J. SINCLAIR		SECTION WRA
					CHECKED BY: V. KOWALSKI		SHEET NO. 46

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
84000	622+40.05	-21.50'	274492.9288	727505.1573
84001	622+40.05	21.50'	274535.5893	727510.5506
84002	623+17.48	-21.50'	274507.7155	727426.5643
84003	701+68.51	22.40'	274497.9093	727392.6906
84004	701+61.35	55.97'	274473.7708	727418.0348
84005	701+63.77	20.61'	274493.5381	727388.5274
84006	701+42.14	30.79'	274465.3684	727381.7907
84007	701+34.06	51.11'	274443.9806	727389.8117
84008	701+57.57	54.56'	274469.4043	727413.8666
84010	701+10.57	46.44'	274430.1923	727370.2383
84011	701+04.97	30.73'	274436.9717	727354.9973
84012	700+84.47	14.32'	274433.4443	727328.9722

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
84013	700+76.03	11.45'	274429.3191	727321.0763
84014	700+82.01	36.53'	274416.3471	727343.3641
84015	700+75.57	46.44'	274404.8481	727346.0997
84016	700+60.63	-10.82'	274433.5233	727294.3317
84017	700+84.75	-14.66'	274453.6401	727308.1819
84018	700+81.92	-29.98'	274462.1546	727295.1393
84019	701+30.82	-17.14'	274488.7028	727338.1604
84020	624+20.95	-21.50'	274541.9892	727325.3951
84021	701+27.77	-51.00'	274509.8497	727311.5368
84022	625+96.88	-21.50'	274635.7787	727170.3063
84023	625+96.88	21.50'	274669.1953	727197.3680
84024	700+60.10	-10.82'	274433.1401	727293.9600
84025	700+59.90	11.23'	274417.7805	727309.7924
84026	701+10.50	83.58'	274404.5252	727397.0814
84027	701+34.09	83.50'	274421.6704	727413.2913



COORDINATE LIST					
POINT NO.	STATION	OFFSET	NORTHING	EASTING	ELEVATION
84028	621+50.00	83.06'	274585.3643	727607.6113	32.56
84029	622+00.00	83.39'	274591.9646	727558.0478	32.46
84030	622+50.00	82.00'	274596.7666	727509.5361	32.11
84031	623+00.00	78.37'	274601.0356	727465.8402	31.44
84032	623+50.00	76.66'	274610.5909	727422.8955	31.04
84033	624+00.00	75.25'	274623.7875	727380.8112	30.69
84034	624+50.00	73.85'	274640.2545	727339.7781	30.34
84035	625+00.00	72.44'	274659.9087	727300.0506	29.99
84036	625+50.00	72.02'	274683.4592	727262.4417	29.78
84037	626+00.00	73.50'	274711.5683	727227.6705	29.85
84038	626+50.00	75.12'	274744.2925	727189.8320	29.93
84039	627+00.00	75.60'	274776.1330	727151.2780	29.85
84040	627+50.00	75.60'	274807.6002	727112.4217	29.69
84041	627+99.99	75.60'	274839.0621	727073.5718	29.55

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 AT 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.*
7. *SINGLE LINE DITCHES ARE EXISTING. NO ADDITIONAL SLOPE PROTECTION SHOULD BE NECESSARY.*

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4/1/2025

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

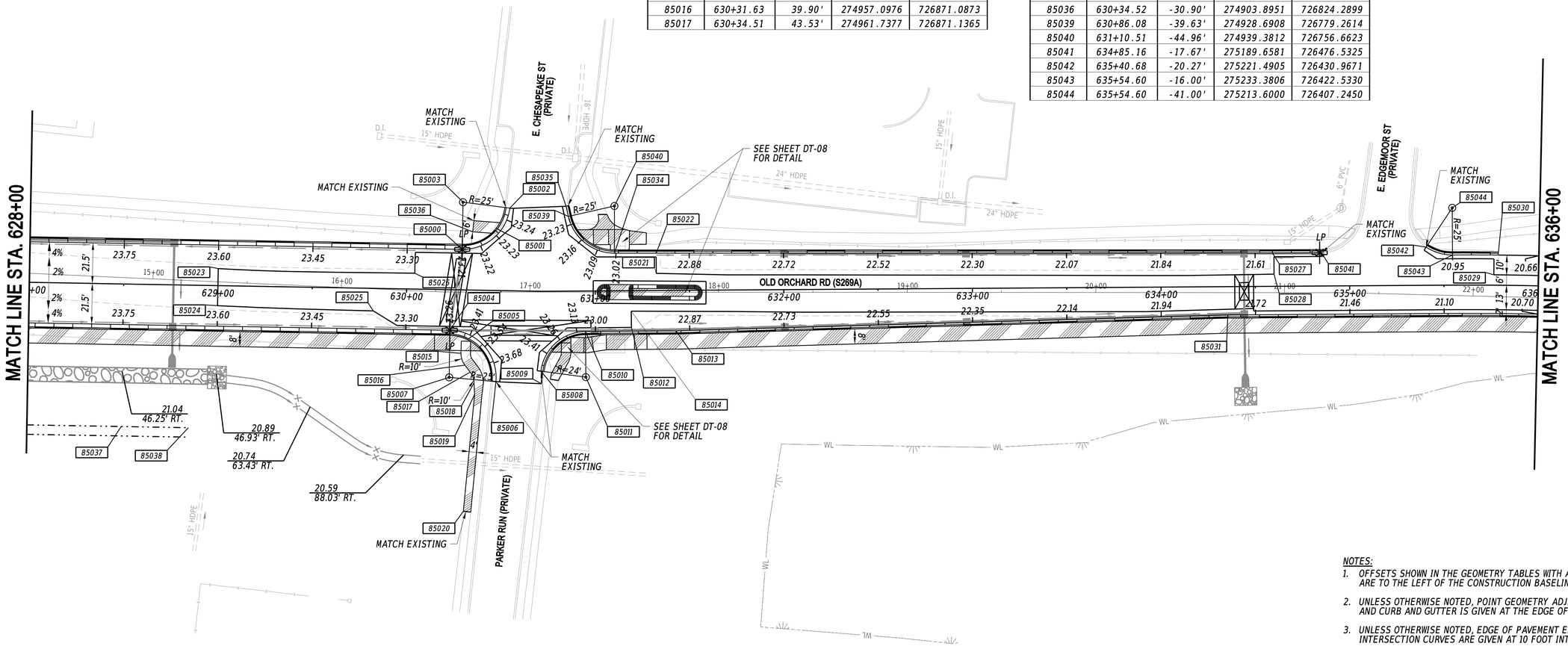
CONTRACT T201609601
COUNTY SUSSEX
BRIDGE NO. N/A
DESIGNED BY: J. SINCLAIR
CHECKED BY: V. KOWALSKI

GRADES AND GEOMETRICS

GG-04
SECTION WRA
SHEET NO. 47

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
85000	630+29.13	-21.50'	274907.8108	726834.3927
85001	630+46.90	-32.97'	274910.0789	726813.3638
85002	630+53.99	-43.80'	274906.1199	726801.0414
85003	630+29.13	-46.50'	274888.3826	726818.6592
85004	630+23.29	21.50'	274937.5510	726865.9941
85005	630+32.74	26.26'	274947.1992	726861.6496
85006	630+48.22	48.31'	274974.0788	726863.4902
85007	630+23.42	46.50'	274957.0603	726881.6275
85008	630+71.59	42.36'	274984.4090	726841.2737
85009	630+71.59	49.02'	274989.7368	726845.2929
85010	630+94.76	21.50'	274982.4113	726809.6983
85011	630+94.76	45.69'	275001.5717	726824.4612
85012	631+19.08	19.50'	274995.6701	726789.2126
85013	631+42.76	21.50'	275011.7074	726771.6752
85014	631+19.08	10.88'	274988.8454	726783.9542
85015	630+29.47	33.68'	274950.9100	726868.8592
85016	630+31.63	39.90'	274957.0976	726871.0873
85017	630+34.51	43.53'	274961.7377	726871.1365

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
85018	630+36.66	49.14'	274967.4419	726872.9969
85019	630+37.04	55.33'	274972.4894	726876.6001
85020	630+32.18	117.37'	275017.6461	726919.4220
85021	631+32.47	-9.10'	274981.1903	726761.1501
85022	631+32.46	-19.81'	274972.6988	726754.6127
85023	628+99.99	-9.04'	274836.2183	726942.5902
85024	628+99.99	10.63'	274851.5037	726954.9687
85025	629+82.60	11.97'	274904.5360	726891.6148
85026	630+04.23	-8.42'	274902.3108	726861.9753
85027	634+59.16	-17.72'	275173.7558	726497.0998
85028	634+59.96	-6.46'	275183.1638	726503.3381
85029	635+76.38	-5.50'	275255.1657	726411.7473
85030	635+78.59	-16.02'	275248.3164	726403.4649
85031	634+35.32	15.00'	275185.1191	726535.9589
85034	631+10.35	-19.96'	274959.0864	726772.0475
85035	630+84.91	-45.00'	274923.7216	726776.9107
85036	630+34.52	-30.90'	274903.8951	726824.2899
85039	630+86.08	-39.63'	274928.6908	726779.2614
85040	631+10.51	-44.96'	274939.3812	726756.6623
85041	634+85.16	-17.67'	275189.6581	726476.5325
85042	635+40.68	-20.27'	275221.4905	726430.9671
85043	635+54.60	-16.00'	275233.3806	726422.5330
85044	635+54.60	-41.00'	275213.6000	726407.2450



COORDINATE LIST					
POINT NO.	STATION	OFFSET	NORTHING	EASTING	ELEVATION
85037	628+50.00	75.60'	274870.5346	727034.7090	29.39
85038	628+85.60	75.60'	274892.9390	727007.0430	23.07

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 AT 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.
7. SINGLE LINE DITCHES ARE EXISTING. NO ADDITIONAL SLOPE PROTECTION SHOULD BE NECESSARY.

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ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

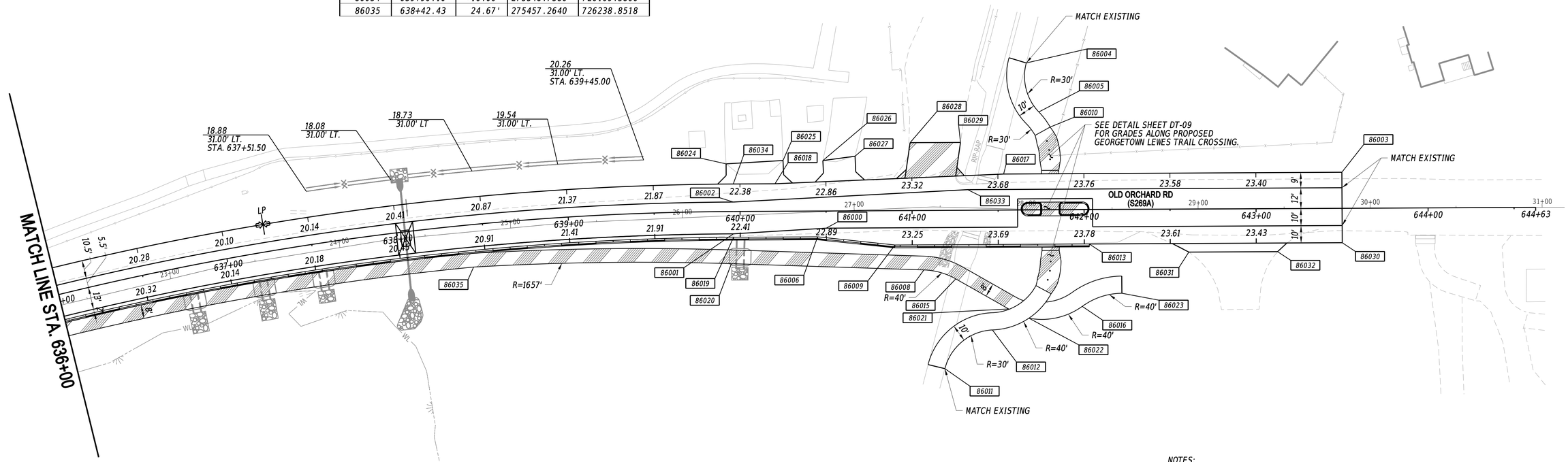
CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY:	J. SINCLAIR
COUNTY	CHECKED BY:	V. KOWALSKI
SUSSEX		

GRADES AND GEOMETRICS

GG-05
SECTION: WRA
SHEET NO.: 48

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
86000	640+50.00	10.00'	275607.3677	726097.4117
86001	639+96.10	13.00'	275566.3103	726132.4563
86002	639+96.10	-5.50'	275555.1004	726117.7394
86003	643+50.00	-21.00'	275827.2365	725890.9687
86004	641+66.83	-85.56'	275642.4063	725950.6035
86005	641+73.99	-57.01'	275665.3975	725968.9778
86006	640+45.00	15.00'	275606.4199	726104.4190
86008	641+06.71	34.57'	275667.3736	726082.5930
86009	640+90.00	20.00'	275645.2475	726081.1292
86010	641+80.52	-48.17'	275675.9493	725972.0487
86011	641+18.62	92.12'	275711.7163	726121.1610
86012	641+46.33	69.69'	275720.1650	726086.5297
86013	642+02.94	20.00'	275735.0885	726012.6972
86015	641+25.17	39.87'	275685.2662	726075.6287
86016	641+98.64	56.25'	275753.6329	726044.1360
86017	641+53.35	-21.00'	275670.7997	726010.1268

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
86018	640+20.35	-16.00'	275568.0266	726094.6944
86019	639+96.10	15.00'	275567.5222	726134.0474
86020	639+94.78	30.38'	275575.8086	726147.0750
86021	641+55.88	57.54'	275720.4033	726071.0771
86022	641+67.62	62.99'	275733.0447	726068.2949
86023	642+21.74	48.75'	275767.4693	726024.1782
86024	639+92.07	-27.75'	275538.3583	726102.5233
86025	640+25.11	-29.52'	275563.6239	726081.0559
86026	640+48.29	-29.38'	275582.1483	726067.1234
86027	640+67.01	-31.81'	275595.5609	726053.8450
86028	640+99.03	-39.50'	275616.3761	726028.3257
86029	641+28.34	-39.50'	275639.6944	726010.5642
86030	643+50.00	20.00'	275852.0800	725923.5846
86031	642+60.77	25.00'	275784.1295	725981.6278
86032	643+12.38	25.00'	275825.1836	725950.3569
86033	641+32.38	-12.00'	275659.5743	726029.9907
86034	639+96.10	-16.00'	275548.7380	726109.3866
86035	638+42.43	24.67'	275457.2640	726238.8518



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 AT 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.
7. SINGLE LINE DITCHES ARE EXISTING. NO ADDITIONAL SLOPE PROTECTION SHOULD BE NECESSARY.
8. DRIVEWAY TIE-IN POINTS SHALL MATCH EXISTING ELEVATIONS. UNLESS OTHERWISE NOTED, DRIVEWAY TIE-INS SHOULD BE CONSTRUCTED IN ACCORDANCE WITH DELDOT STANDARD DETAIL C-3 AND PROVIDE POSITIVE DRAINAGE.

COORDINATE LIST

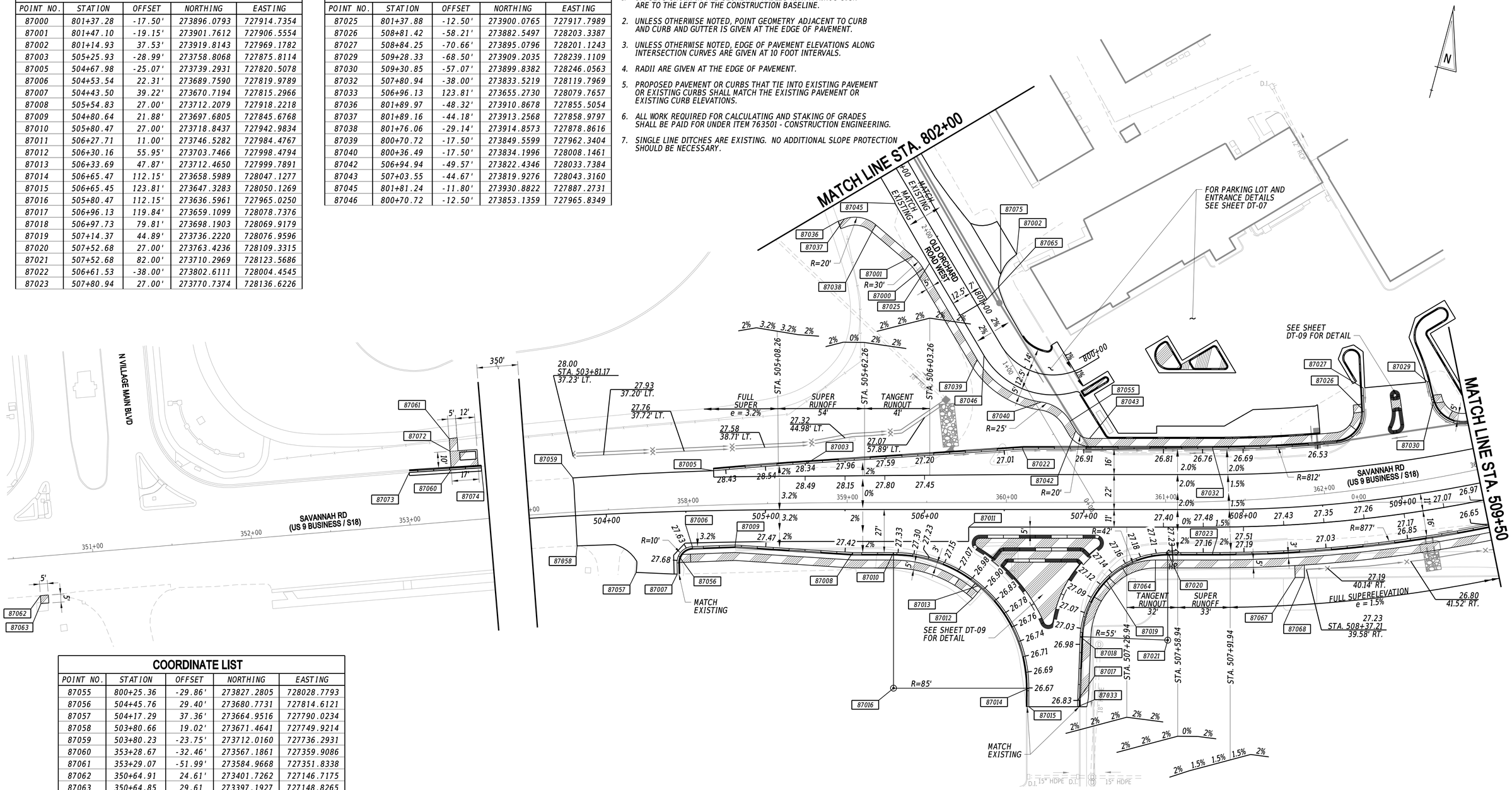
POINT NO.	STATION	OFFSET	NORTHING	EASTING
87000	801+37.28	-17.50'	273896.0793	727914.7354
87001	801+47.10	-19.15'	273901.7612	727906.5554
87002	801+14.93	37.53'	273919.8143	727969.1782
87003	505+25.93	-28.99'	273758.8068	727875.8114
87005	504+67.98	-25.07'	273739.2931	727820.5078
87006	504+53.54	22.31'	273689.7590	727819.9789
87007	504+43.50	39.22'	273670.7194	727815.2966
87008	505+54.83	27.00'	273712.2079	727918.2218
87009	504+80.64	21.88'	273697.6805	727845.6768
87010	505+80.47	27.00'	273718.8437	727942.9834
87011	506+27.71	11.00'	273746.5282	727984.4767
87012	506+30.16	55.95'	273703.7466	727998.4794
87013	506+33.69	47.87'	273712.4650	727999.7891
87014	506+65.47	112.15'	273658.5989	728047.1277
87015	506+65.45	123.81'	273647.3283	728050.1269
87016	505+80.47	112.15'	273636.5961	727965.0250
87017	506+96.13	119.84'	273659.1099	728078.7376
87018	506+97.73	79.81'	273698.1903	728069.9179
87019	507+14.37	44.89'	273736.2220	728076.9596
87020	507+52.68	27.00'	273763.4236	728109.3315
87021	507+52.68	82.00'	273710.2969	728123.5686
87022	506+61.53	-38.00'	273802.6111	728004.4545
87023	507+80.94	27.00'	273770.7374	728136.6226

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
87025	801+37.88	-12.50'	273900.0765	727917.7989
87026	508+81.42	-58.21'	273882.5497	728203.3387
87027	508+84.25	-70.66'	273895.0796	728201.1243
87029	509+28.33	-68.50'	273909.2035	728239.1109
87030	509+30.85	-57.07'	273899.8382	728246.0563
87032	507+80.94	-38.00'	273833.5219	728119.7969
87033	506+96.13	123.81'	273655.2730	728079.7657
87036	801+89.97	-48.32'	273910.8678	727855.5054
87037	801+89.16	-44.18'	273913.2568	727858.9797
87038	801+76.06	-29.14'	273914.8573	727878.8616
87039	800+70.72	-17.50'	273849.5599	727962.3404
87040	800+36.49	-17.50'	273834.1996	728008.1461
87042	506+94.94	-49.57'	273822.4346	728033.7384
87043	507+03.55	-44.67'	273819.9276	728043.3160
87045	801+81.24	-11.80'	273930.8822	727887.2731
87046	800+70.72	-12.50'	273853.1359	727965.8349

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 AT 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.
7. SINGLE LINE DITCHES ARE EXISTING. NO ADDITIONAL SLOPE PROTECTION SHOULD BE NECESSARY.



COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
87055	800+25.36	-29.86'	273827.2805	728028.7793
87056	504+45.76	29.40'	273680.7731	727814.6121
87057	504+17.29	37.36'	273664.9516	727790.0234
87058	503+80.66	19.02'	273671.4641	727749.9214
87059	503+80.23	-23.75'	273712.0160	727736.2931
87060	353+28.67	-32.46'	273567.1861	727359.9086
87061	353+29.07	-51.99'	273584.9668	727351.8338
87062	350+64.91	24.61'	273401.7262	727146.7175
87063	350+64.85	29.61	273397.1927	727148.8265
87064	507+45.00	31.67'	273756.9277	728103.1201
87065	801+00.00	7.00'	273887.5497	727958.5188
87067	508+30.21	44.13'	273769.0530	728190.7015
87068	508.35.82	44.46'	273770.6140	728196.4063
87072	353+28.91	-44.13'	273577.8087	727355.0846
87073	353+02.29	-33.01'	273556.2742	727335.8806
87074	353+47.67	-32.07'	273575.0424	727377.2083
87075	801+09.08	22.50'	273904.9787	727962.8606

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	T201609601	BRIDGE NO.	N/A
COUNTY	SUSSEX	DESIGNED BY:	J. SINCLAIR
		CHECKED BY:	V. KOWALSKI

GRADES AND GEOMETRICS

	GG-07
SECTION	WRA
SHEET NO.	50

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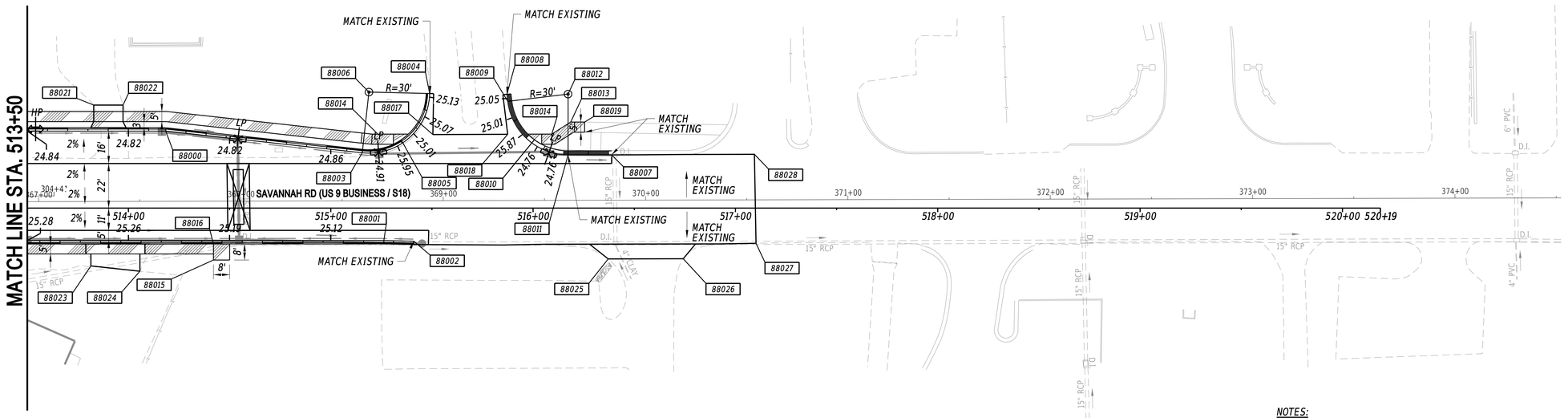
COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
88000	514+18.44	-38.00'	274185.6238	728609.7401
88001	515+26.24	16.00'	274231.5826	728721.2008
88002	515+41.03	16.36'	274242.5156	728731.1738
88003	515+15.58	-27.31'	274251.9460	728681.5139
88004	515+48.86	-56.58'	274296.2581	728681.2454
88005	515+34.80	-33.71'	274270.6488	728689.2909
88006	515+18.88	-57.26'	274274.0718	728661.0687
88007	516+38.79	-26.28'	274344.2747	728763.1026
88008	515+87.07	-56.17'	274324.8355	728706.6175
88009	515+87.49	-52.71'	274322.8793	728709.5011
88010	516+00.65	-33.74'	274320.3804	728732.4521
88011	516+17.27	-26.28'	274328.0305	728748.9899
88012	516+17.27	-56.28'	274347.7057	728726.3430
88013	516+18.57	-42.46'	274339.6211	728737.6209
88014	516+09.23	-36.50'	274328.6639	728735.9973

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
88015	514+42.03	25.67'	274161.6756	728673.2723
88016	514+42.03	17.67'	274166.9223	728667.2331
88018	515+87.42	-36.41'	274312.1434	728721.7643
88019	516+25.45	-42.46'	274344.8191	728742.1368
88019	516+25.45	-42.46'	274344.8191	728742.1368
88021	513+82.86	-50.86'	274167.1966	728576.6982
88022	513+97.35	-50.86'	274178.1318	728586.1984
88023	513+81.44	28.56'	274114.0325	728635.7188
88024	514+05.66	31.21'	274130.5812	728653.6016
88025	516+37.12	25.12'	274309.3065	728800.8111
88026	516+74.22	25.03'	274337.3684	728825.0708
88027	517+10.17	17.40'	274369.5138	728842.8851
88028	517+09.38	-26.56'	274397.7473	728809.1790



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 AT 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.
7. SINGLE LINE DITCHES ARE EXISTING. NO ADDITIONAL SLOPE PROTECTION SHOULD BE NECESSARY.
8. DRIVEWAY TIE-IN POINTS SHALL MATCH EXISTING ELEVATIONS. UNLESS OTHERWISE NOTED, DRIVEWAY TIE-INS SHOULD BE CONSTRUCTED IN ACCORDANCE WITH DELDOT STANDARD DETAIL C-3 AND PROVIDE POSITIVE DRAINAGE.

GG-08

ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	GRADES AND GEOMETRICS	SECTION WRA
				COUNTY SUSSEX	DESIGNED BY: J. SINCLAIR		SHEET NO. 51
					CHECKED BY: V. KOWALSKI		

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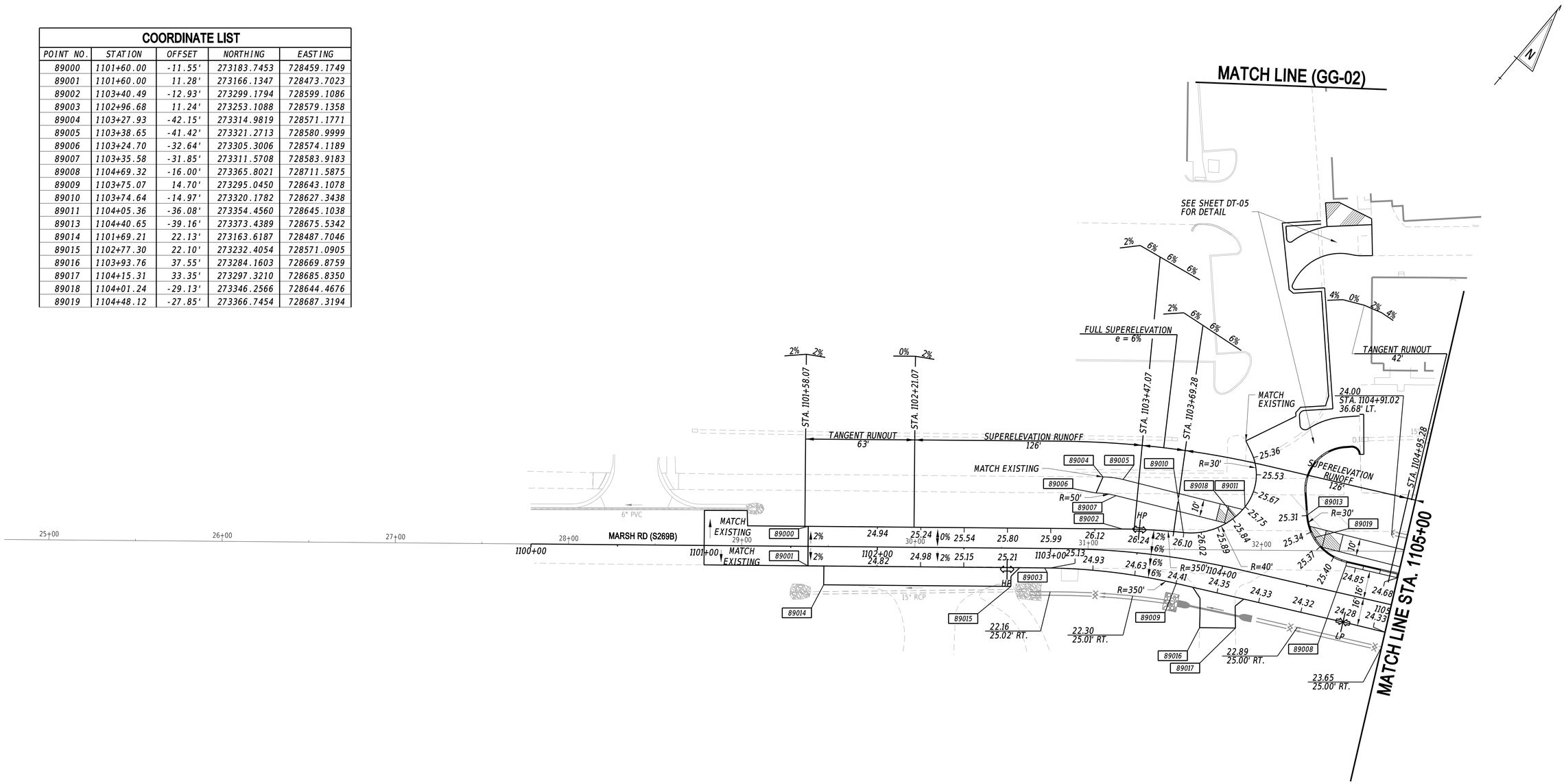
4/4/2025
9:57:39 AM

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
89000	1101+60.00	-11.55'	273183.7453	728459.1749
89001	1101+60.00	11.28'	273166.1347	728473.7023
89002	1103+40.49	-12.93'	273299.1794	728599.1086
89003	1102+96.68	11.24'	273253.1088	728579.1358
89004	1103+27.93	-42.15'	273314.9819	728571.1771
89005	1103+38.65	-41.42'	273321.2713	728580.9999
89006	1103+24.70	-32.64'	273305.3006	728574.1189
89007	1103+35.58	-31.85'	273311.5708	728583.9183
89008	1104+69.32	-16.00'	273365.8021	728711.5875
89009	1103+75.07	14.70'	273295.0450	728643.1078
89010	1103+74.64	-14.97'	273320.1782	728627.3438
89011	1104+05.36	-36.08'	273354.4560	728645.1038
89013	1104+40.65	-39.16'	273373.4389	728675.5342
89014	1101+69.21	22.13'	273163.6187	728487.7046
89015	1102+77.30	22.10'	273232.4054	728571.0905
89016	1103+93.76	37.55'	273284.1603	728669.8759
89017	1104+15.31	33.35'	273297.3210	728685.8350
89018	1104+01.24	-29.13'	273346.2566	728644.4676
89019	1104+48.12	-27.85'	273366.7454	728687.3194



NOTES:

1. OFFSETS SHOWN IN THE GEOMETRY TABLES WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.
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3. UNLESS OTHERWISE NOTED, EDGE OF PAVEMENT ELEVATIONS ALONG INTERSECTION CURVES ARE GIVEN AT 10 FOOT INTERVALS.
4. RADII ARE GIVEN AT 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.
7. SINGLE LINE DITCHES ARE EXISTING. NO ADDITIONAL SLOPE PROTECTION SHOULD BE NECESSARY.

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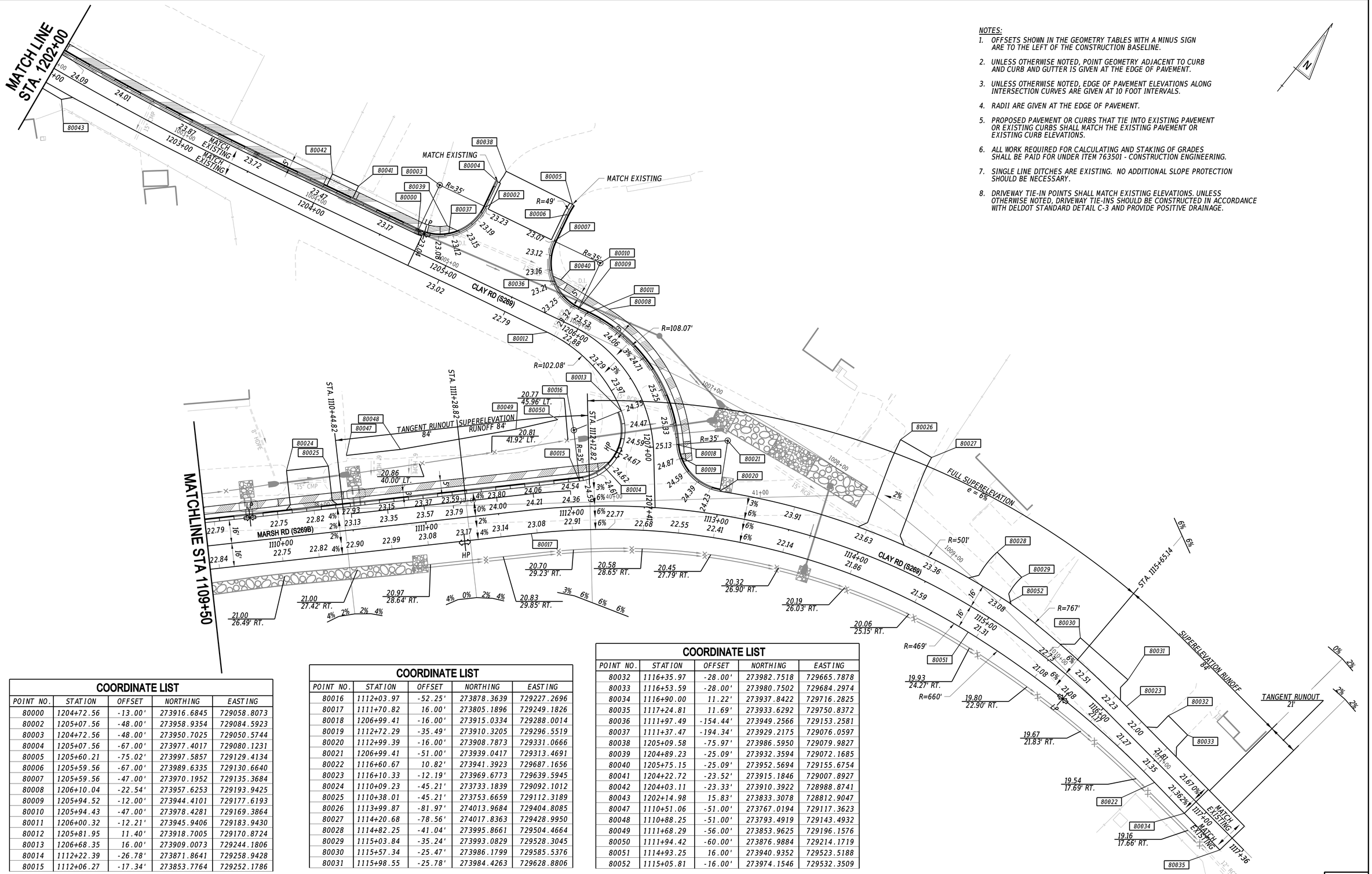
9/5/30 AM
4/4/2025

ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	GRADES AND GEOMETRICS	GG-09
				COUNTY SUSSEX	DESIGNED BY: J. SINCLAIR		SECTION WRA
					CHECKED BY: V. KOWALSKI		SHEET NO. 52



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 AT 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.*
7. *SINGLE LINE DITCHES ARE EXISTING. NO ADDITIONAL SLOPE PROTECTION SHOULD BE NECESSARY.*
8. *DRIVEWAY TIE-IN POINTS SHALL MATCH EXISTING ELEVATIONS. UNLESS OTHERWISE NOTED, DRIVEWAY TIE-INS SHOULD BE CONSTRUCTED IN ACCORDANCE WITH DELDOT STANDARD DETAIL C-3 AND PROVIDE POSITIVE DRAINAGE.*

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
80000	1204+72.56	-13.00'	273916.6845	729058.8073
80002	1205+07.56	-48.00'	273958.9354	729084.5923
80003	1204+72.56	-48.00'	273950.7025	729050.5744
80004	1205+07.56	-67.00'	273977.4017	729080.1231
80005	1205+60.21	-75.02'	273997.5857	729129.4134
80006	1205+59.56	-67.00'	273989.6335	729130.6640
80007	1205+59.56	-47.00'	273970.1952	729135.3684
80008	1206+10.04	-22.54'	273957.6253	729193.9425
80009	1205+94.52	-12.00'	273944.4101	729177.6193
80010	1205+94.43	-47.00'	273978.4281	729169.3864
80011	1206+00.32	-12.21'	273945.9406	729183.9430
80012	1205+81.95	11.40'	273918.7005	729170.8724
80013	1206+68.35	16.00'	273909.0073	729244.1806
80014	1112+22.39	-26.78'	273871.8641	729258.9428
80015	1112+06.27	-17.34'	273853.7764	729252.1786

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
80016	1112+03.97	-52.25'	273878.3639	729227.2696
80017	1111+70.82	16.00'	273805.1896	729249.1826
80018	1206+99.41	-16.00'	273915.0334	729288.0014
80019	1112+72.29	-35.49'	273910.3205	729296.5519
80020	1112+99.39	-16.00'	273908.7873	729331.0666
80021	1206+99.41	-51.00'	273939.0417	729313.4691
80022	1116+60.67	10.82'	273941.3923	729687.1656
80023	1116+10.33	-12.19'	273969.6773	729639.5945
80024	1110+09.23	-45.21'	273733.1839	729092.1012
80025	1110+38.01	-45.21'	273753.6659	729112.3189
80026	1113+99.87	-81.97'	274013.9684	729404.8085
80027	1114+20.68	-78.56'	274017.8363	729428.9950
80028	1114+82.25	-41.04'	273995.8661	729504.4664
80029	1115+03.84	-35.24'	273993.0829	729528.3045
80030	1115+57.34	-25.47'	273986.1799	729585.5376
80031	1115+98.55	-25.78'	273984.4263	729628.8806

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
80032	1116+35.97	-28.00'	273982.7518	729665.7878
80033	1116+53.59	-28.00'	273980.7502	729684.2974
80034	1116+90.00	11.22'	273937.8422	729716.2825
80035	1117+24.81	11.69'	273933.6292	729750.8372
80036	1111+97.49	-154.44'	273949.2566	729153.2581
80037	1111+37.47	-194.34'	273929.2175	729076.0597
80038	1205+09.58	-75.97'	273986.5950	729079.9827
80039	1204+89.23	-25.09'	273932.3594	729072.1685
80040	1205+75.15	-25.09'	273952.5694	729155.6754
80041	1204+22.72	-23.52'	273915.1846	729007.8927
80042	1204+03.11	-23.33'	273910.3922	728988.8741
80043	1202+14.98	15.83'	273833.3078	728812.9047
80047	1110+51.06	-51.00'	273767.0194	729117.3623
80048	1110+88.25	-51.00'	273793.4919	729143.4932
80049	1111+68.29	-56.00'	273853.9625	729196.1576
80050	1111+94.42	-60.00'	273876.9884	729214.1719
80051	1114+93.25	16.00'	273940.9352	729523.5188
80052	1115+05.81	-16.00'	273974.1546	729532.3509

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	T201609601
COUNTY	SUSSEX
BRIDGE NO.	N/A
DESIGNED BY:	J. SINCLAIR
CHECKED BY:	V. KOWALSKI

GRADES AND GEOMETRICS

	GG-10
SECTION	WRA
SHEET NO.	53

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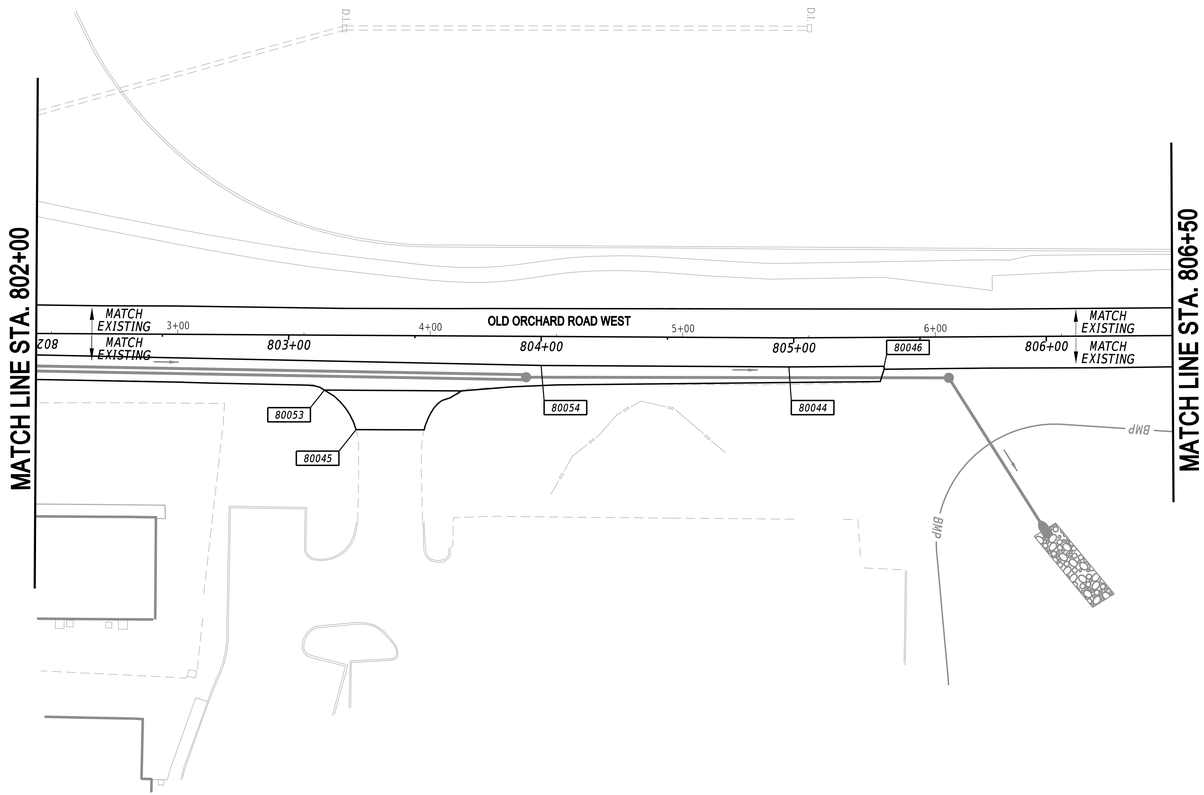
4/4/2025

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80044	804+98.06	11.50'	274169.0255	727676.9132
80045	803+26.92	37.34'	274067.8452	727817.4313
80046	805+35.71	11.50'	274195.0574	727649.6204
80053	803+14.26	21.75'	274047.8471	727815.5865
80054	804+00.00	11.50'	274100.4397	727747.0995



NOTES:

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3. UNLESS OTHERWISE NOTED, EDGE OF PAVEMENT ELEVATIONS ALONG INTERSECTION CURVES ARE GIVEN AT 10 FOOT INTERVALS.
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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
80100	603+88.67	0.00'	273456.6946	728945.9006
80101	604+32.21	-44.98'	273457.3097	728883.3112
80102	604+78.67	0.00'	273521.9764	728883.9467
80103	604+35.14	44.98'	273521.3613	728946.5361

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
80121	602+70.64	-5.00'	273367.6352	729023.5253
80122	602+70.58	-1.00'	273370.3472	729026.4650
80123	603+36.71	-5.05'	273415.5202	728978.0093
80124	603+36.65	0.92'	273419.5885	728982.3782
80125	603+38.71	-3.05'	273418.3488	728978.0822
80126	603+38.71	-1.08'	273419.7051	728979.5114
80127	603+48.71	-3.15'	273425.5348	728971.1273
80128	603+48.71	0.02'	273427.7154	728973.4249
80129	603+50.52	-5.14'	273425.4816	728968.4321
80130	603+50.38	1.99'	273430.2896	728973.7028
80131	603+62.47	-6.24'	273433.3928	728959.4080
80132	603+64.60	5.71'	273443.1600	728966.6152
80133	603+65.68	-3.88'	273437.3464	728958.9123
80134	603+67.24	3.41'	273443.4942	728963.1322

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
80104	1105+48.11	1.00'	273386.3862	728789.5118
80105	1105+48.17	-3.00'	273389.9774	728787.7512
80106	1105+56.07	1.24'	273389.7883	728796.7218
80107	1105+56.17	-3.00'	273393.6059	728794.8810
80108	1105+86.06	-3.00'	273408.3221	728820.5478
80109	1106+14.21	2.97'	273419.7465	728846.9432
80110	1106+13.56	-5.11'	273425.7159	728841.4607
80111	1106+16.26	0.79'	273422.7336	728847.2078
80112	1106+15.89	-3.32'	273425.7240	728844.3698
80113	1106+26.30	1.59'	273428.5144	728855.5081
80114	1106+25.90	-5.51'	273433.6755	728850.6101
80115	1106+28.23	3.49'	273428.3366	728858.2172
80116	1106+27.49	-7.57'	273436.2487	728850.4582
80117	1106+42.39	5.81'	273436.2536	728870.4393
80118	1106+39.75	-9.99'	273445.9812	728857.7238
80119	1106+44.90	3.61'	273439.6048	728870.7701
80120	1106+43.35	-7.47'	273446.5410	728861.9872

NOTES:

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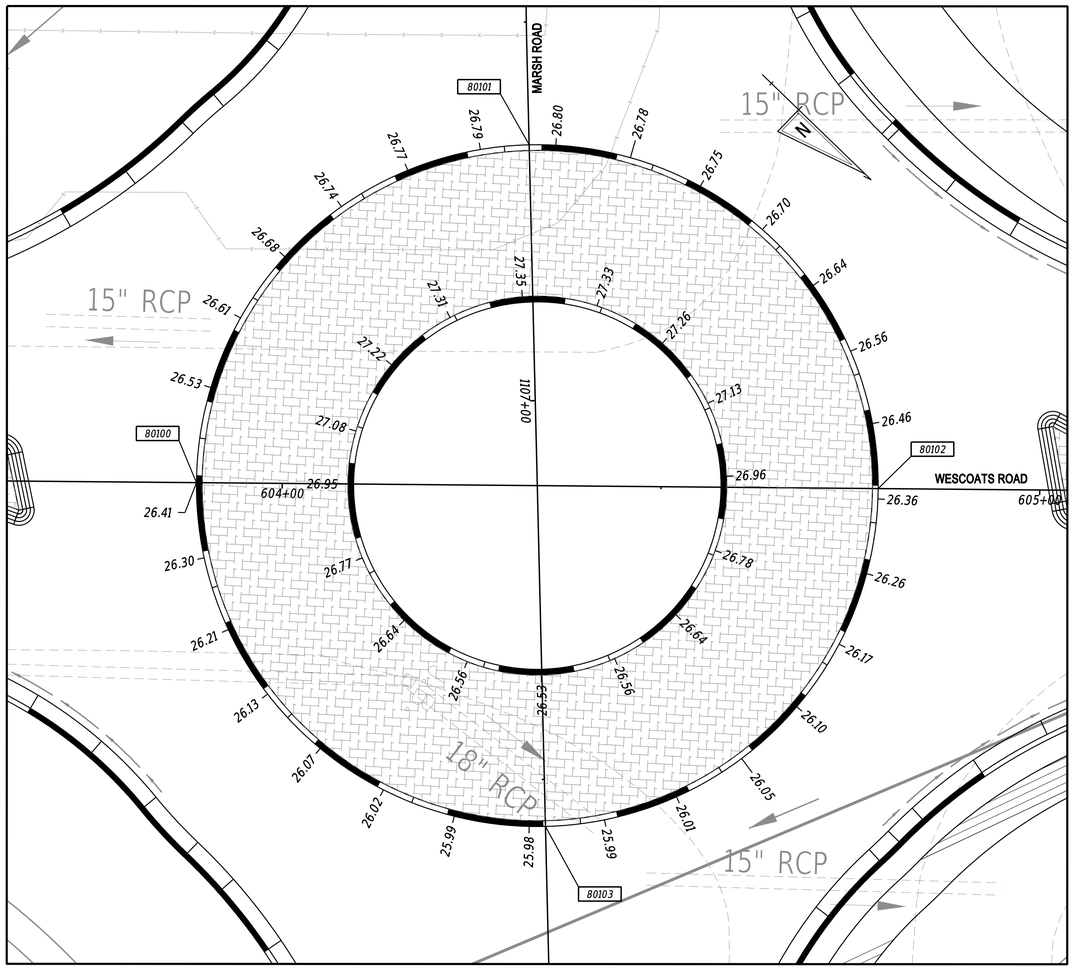
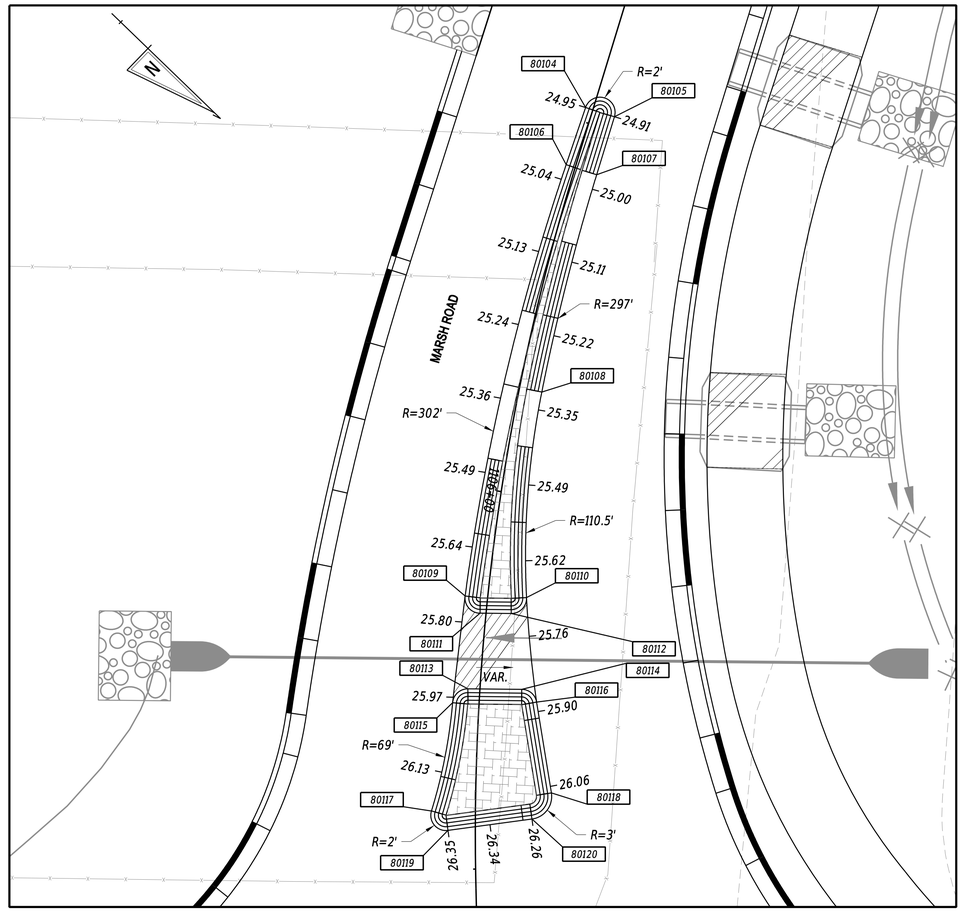
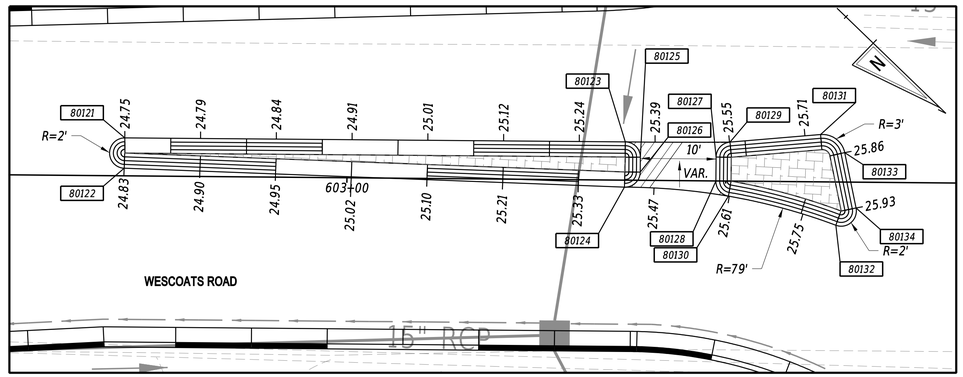


DETAIL A



DETAIL B



DETAIL C

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ADDENDA / REVISIONS		SCALE 0 10 20 30 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	CONSTRUCTION DETAILS	DT-01
				COUNTY SUSSEX	DESIGNED BY: J. SINCLAIR		SECTION WRA
					CHECKED BY: V. KOWALSKI		SHEET NO. 55

COORDINATE LIST

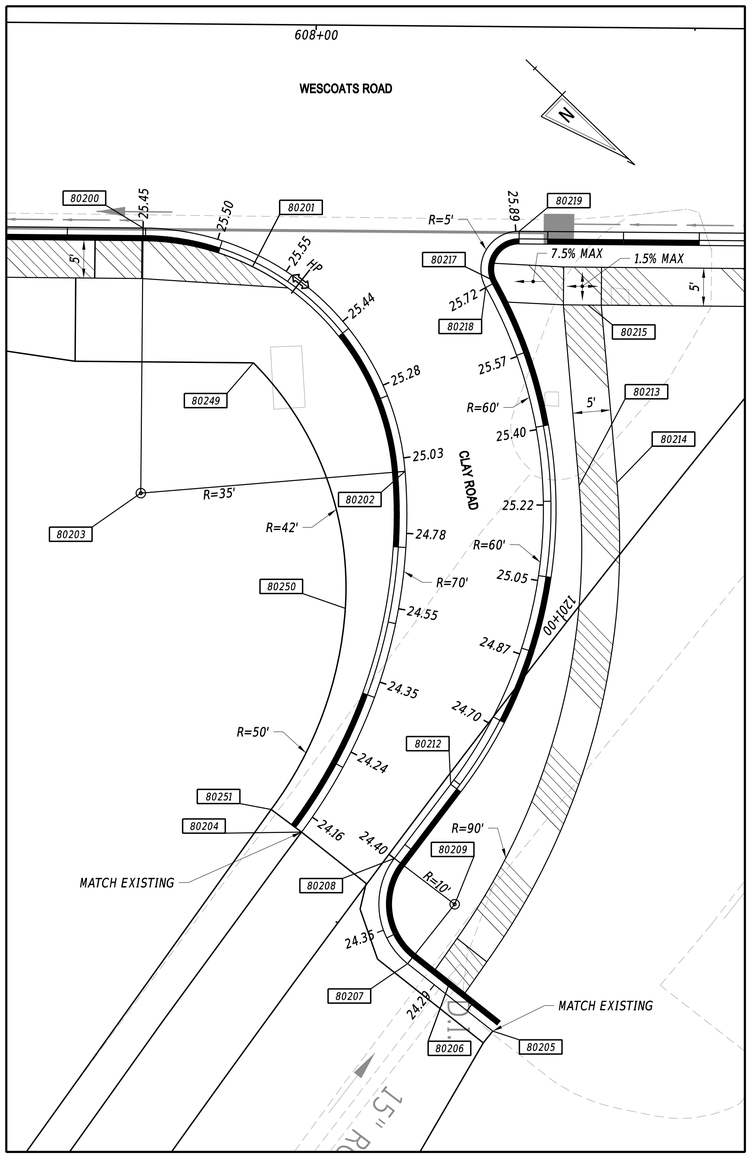
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80200	607+77.39	27.00'	273757.2335	728697.9060
80201	607+91.87	31.98'	273771.1644	728691.5469
80202	1200+97.56	29.06'	273804.4219	728696.9950
80203	1201+20.69	54.90'	273781.3266	728723.2934
80204	1201+43.24	11.00'	273827.6695	728740.7402
80205	1201+49.26	-24.92'	273864.0658	728742.0975
80206	1201+47.31	-16.48'	273855.4483	728741.2711
80207	1201+48.81	-10.60'	273849.8018	728743.5019
80208	1201+38.69	-0.89'	273838.8914	728734.7264
80209	1201+38.76	-10.89'	273848.8220	728733.5500
80212	1201+26.39	-0.93'	273837.4454	728722.5203
80213	1200+84.97	9.82'	273822.2836	728682.4049
80214	1200+81.54	6.19'	273825.5638	728678.6313
80215	608+36.21	36.67'	273806.5561	728664.4247
80217	608+24.20	33.78'	273795.8628	728670.5990
80218	608+22.68	34.47'	273795.2334	728672.1486
80219	608+27.02	27.00'	273793.2391	728663.7359
80249	1200+98.59	53.66'	273780.0610	728700.5982
80250	1201+16.44	24.22'	273811.3069	728715.4802
80251	1201+43.25	16.00'	273822.7099	728741.3816

COORDINATE LIST

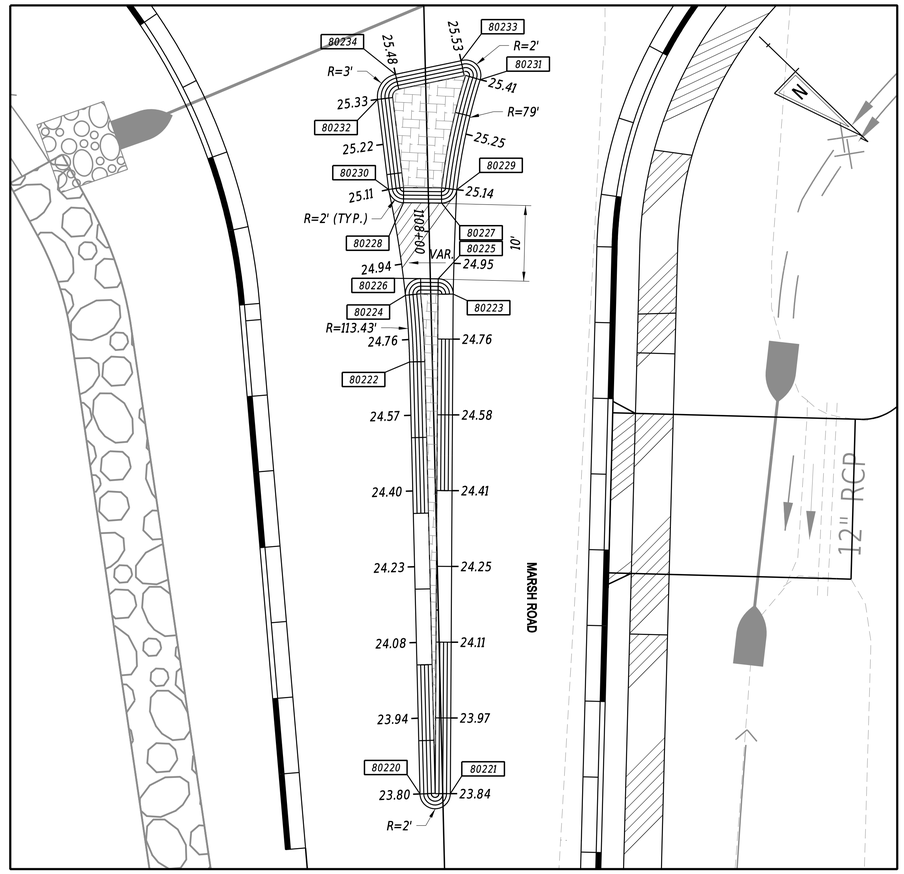
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80220	1108+74.22	3.00'	273603.2327	729031.5660
80221	1108+74.28	-1.00'	273606.0845	729028.7618
80222	1108+17.18	3.00'	273562.6403	728991.4976
80223	1108+08.35	-2.97'	273560.5491	728981.0496
80224	1108+08.37	3.34'	273556.1312	728985.5537
80225	1108+06.30	-1.03'	273557.7255	728980.9797
80226	1108+06.22	1.28'	273556.0447	728982.5748
80227	1107+96.31	-1.72'	273551.1035	728973.4777
80228	1107+96.15	3.30'	273547.4583	728976.9371
80229	1107+94.59	-3.77'	273551.3158	728970.8126
80230	1107+94.35	5.23'	273544.8228	728977.0406
80231	1107+80.16	-7.20'	273543.4534	728958.2301
80232	1107+82.43	6.40'	273535.5192	728969.5051
80233	1107+77.59	-4.74'	273539.9047	728958.1771
80234	1107+79.19	3.96'	273534.9278	728965.4853

COORDINATE LIST

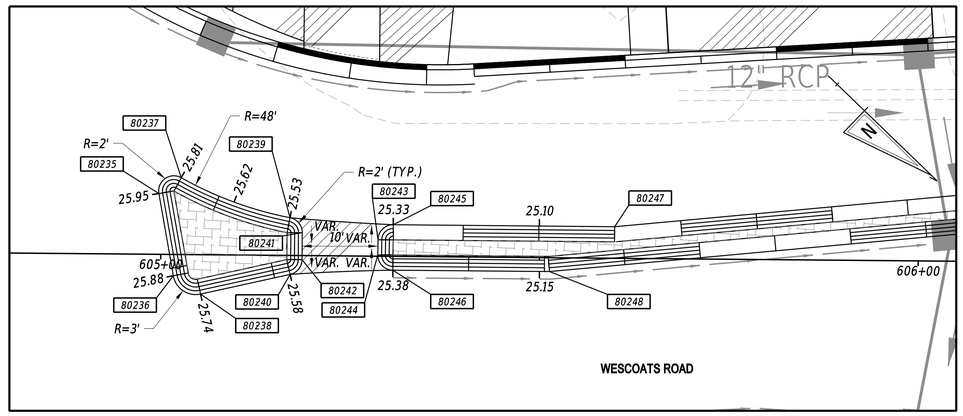
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80235	604+99.69	-8.03'	273531.6935	728863.6578
80236	605+01.69	2.81'	273540.6027	728870.1420
80237	605+02.62	-10.14'	273532.3652	728860.1059
80238	605+05.31	5.19'	273544.8657	728869.3795
80239	605+17.03	-4.98'	273546.3657	728853.9290
80240	605+17.11	2.49'	273551.5678	728859.2968
80241	605+18.66	-3.02'	273548.9050	728854.2301
80242	605+18.66	0.54'	273551.3543	728856.8109
80243	605+28.66	-2.18'	273556.7381	728847.9570
80244	605+28.66	-0.18'	273558.1149	728849.4077
80245	605+30.66	-4.18'	273556.8121	728845.1296
80246	605+30.66	1.82'	273560.9423	728849.4817
80247	605+59.90	-4.18'	273578.0171	728825.0055
80248	605+51.35	1.82'	273575.9451	728835.2437



DETAIL D



DETAIL E



DETAIL F

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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ADDENDA / REVISIONS

SCALE 0 10 20 30 FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	T201609601
COUNTY	SUSSEX
BRIDGE NO.	N/A
DESIGNED BY:	J. SINCLAIR
CHECKED BY:	V. KOWALSKI

CONSTRUCTION DETAILS

	DT-02
SECTION	WRA
SHEET NO.	56

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
80300	510+90.46	21.80'	273911.3440	728420.3840
80301	510+91.50	16.00'	273916.6710	728417.8475
80302	511+01.61	16.00'	273922.7665	728426.1525
80303	511+03.54	17.62'	273922.6368	728428.6956
80304	511+13.62	18.33'	273928.2823	728437.3392
80305	511+15.55	15.98'	273931.3397	728437.4655
80306	511+19.34	15.97'	273933.7136	728440.5197
80307	610+79.59	-35.50'	273933.4142	728444.5420
80308	610+76.13	-35.50'	273930.9073	728446.9211
80309	610+74.14	-37.64'	273927.9838	728446.7384
80310	610+65.10	-35.50'	273922.9074	728454.5134
80311	610+67.10	-37.36'	273923.0773	728451.7946
80312	610+59.92	-35.50'	273919.1456	728458.0832
80313	610+57.97	-40.78'	273914.0964	728455.5983
80314	511+11.17	33.60'	273914.6129	728444.5927
80315	511+10.79	30.90'	273916.5181	728442.6407
80316	511+02.52	25.59'	273915.6242	728432.6191
80317	511+00.01	26.25'	273913.5549	728430.9362
80318	511+10.99	30.59'	273916.8928	728442.6231
80319	511+16.05	31.23'	273919.5734	728447.1682
80320	511+16.94	31.42'	273919.9830	728448.0201
80321	511+13.41	29.92'	273918.9434	728444.2053
80322	511+04.03	22.95'	273918.6688	728432.2917
80370	511+16.37	24.44'	273925.1592	728443.2929
80371	511+04.27	21.56'	273919.9306	728431.6533
80375	511+14.40	22.78'	273925.2304	728440.6748

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
80325	610+28.87	21.83'	273936.0903	728521.0376
80326	610+29.87	16.00'	273932.8031	728516.1217
80327	610+61.07	16.00'	273955.4326	728494.6459
80328	610+63.06	18.14'	273958.3560	728494.8287
80329	610+72.10	16.00'	273963.4325	728487.0538
80330	610+70.10	17.86'	273963.2626	728489.7725
80331	610+73.79	16.00'	273964.6562	728485.8925
80332	511+74.82	19.00'	273967.5296	728486.0166
80333	511+76.28	19.00'	273968.5238	728487.1363
80334	511+78.23	20.94'	273968.4061	728489.9162
80335	511+88.00	21.03'	273975.0435	728497.4036
80336	511+89.95	19.00'	273977.8931	728497.5013
80337	512+05.72	19.00'	273988.9134	728509.2762
80338	512+07.00	22.51'	273987.2794	728512.6476
80339	511+96.39	33.71'	273971.6112	728512.3695
80340	511+93.73	34.01'	273969.5004	728510.5451
80341	610+54.68	33.08'	273962.5509	728511.4316
80342	610+51.99	33.49'	273960.8868	728513.5765
80343	610+69.99	19.36'	273964.2160	728490.9356
80344	610+62.76	22.38'	273961.0495	728498.1143
80345	610+71.99	21.50'	273967.1395	728491.1183
80346	511+88.13	28.58'	273969.5700	728502.5981
80372	511+80.47	32.29'	273961.4954	728499.2102
80373	511+88.89	30.13'	273968.9542	728504.2209

COORDINATE LIST

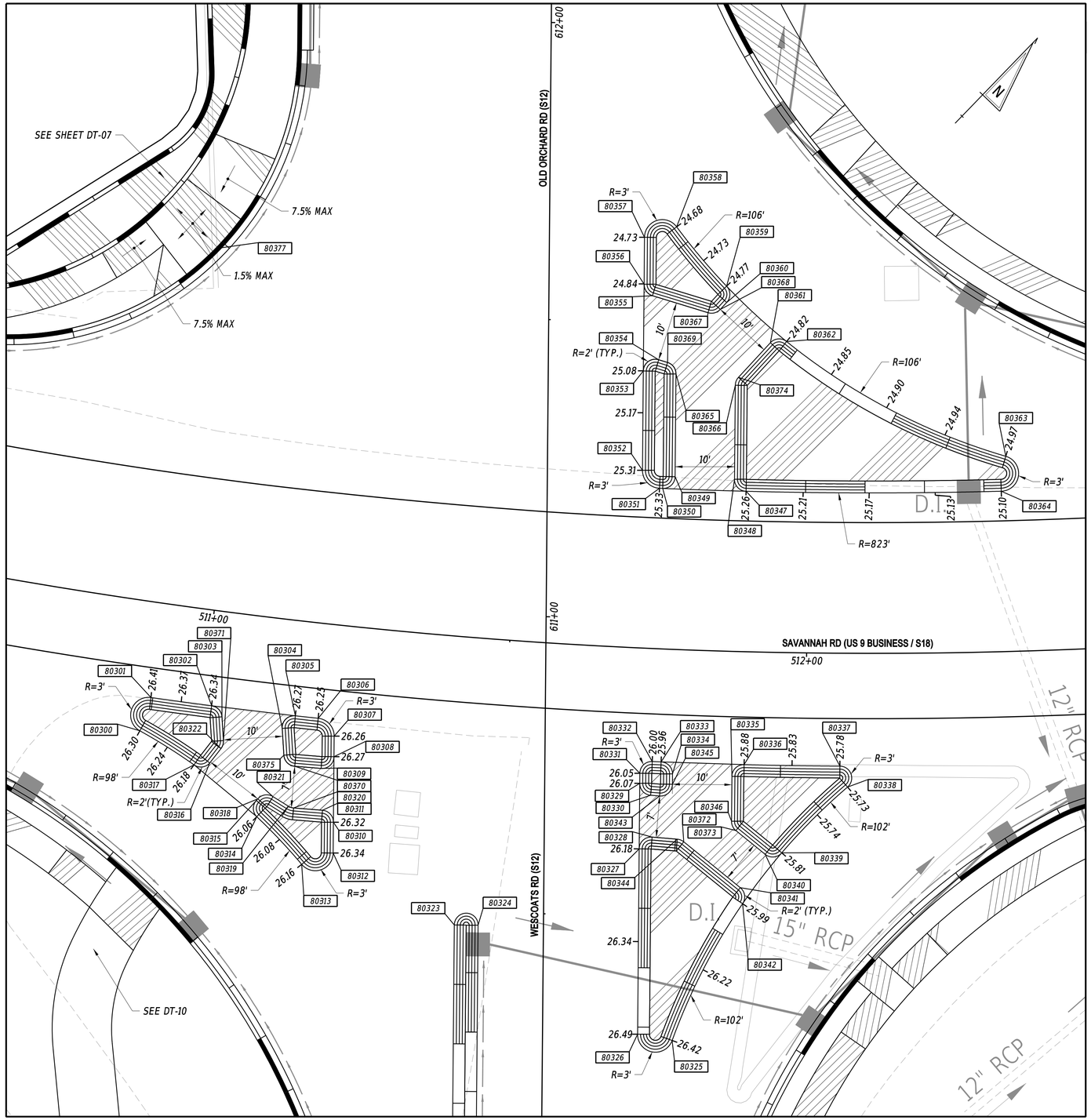
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80347	511+89.11	-27.00'	274011.2188	728465.7823
80348	511+87.04	-28.96'	274011.3163	728462.9800
80349	511+76.68	-29.07'	274004.6939	728455.4784
80350	511+74.61	-27.00'	274001.8201	728455.3539
80351	511+74.06	-27.00'	274001.4645	728454.9522
80352	611+24.78	16.00'	274001.6462	728450.7882
80353	611+41.49	16.00'	274013.7657	728439.2865
80354	611+43.41	18.57'	274016.9246	728439.8295
80355	611+54.17	17.43'	274023.9520	728431.5933
80356	611+56.09	16.00'	274024.3574	728429.2349
80357	611+64.00	16.00'	274030.0905	728423.7940
80358	611+65.80	21.39'	274035.1153	728426.4601
80359	611+55.89	29.88'	274033.7678	728439.4460
80360	611+53.15	29.93'	274031.8157	728441.3619
80361	611+46.44	37.34'	274032.0465	728451.3593
80362	611+46.66	40.07'	274034.0850	728453.1831
80363	512+34.43	-32.85'	274045.8222	728493.1436
80364	512+33.47	-27.00'	274041.0605	728496.6724
80365	511+76.10	-46.34'	274017.2293	728443.5820
80366	611+39.22	31.50'	274022.7902	728452.0910
80367	611+51.40	26.79'	274028.3844	728440.2954
80368	611+51.97	28.86'	274030.2186	728441.3988
80369	611+42.96	20.07'	274017.6347	728441.2236
80374	511+87.23	-46.13'	274024.1208	728451.5422

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
80323	610+47.99	-15.00'	273924.6070	728481.1623
80324	610+47.99	-11.00'	273927.3605	728484.0637

COORDINATE LIST

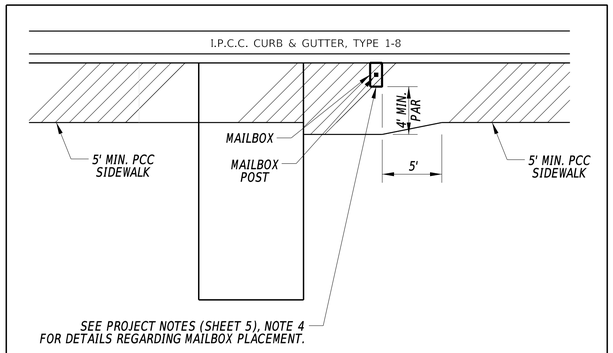
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80377	611+61.46	-56.19'	273978.5571	728373.1722



DETAIL G

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.



MAILBOX PLACEMENT DETAIL WITHOUT GRASS STRIP

SCALE: NONE

DETAIL H

NOTES:

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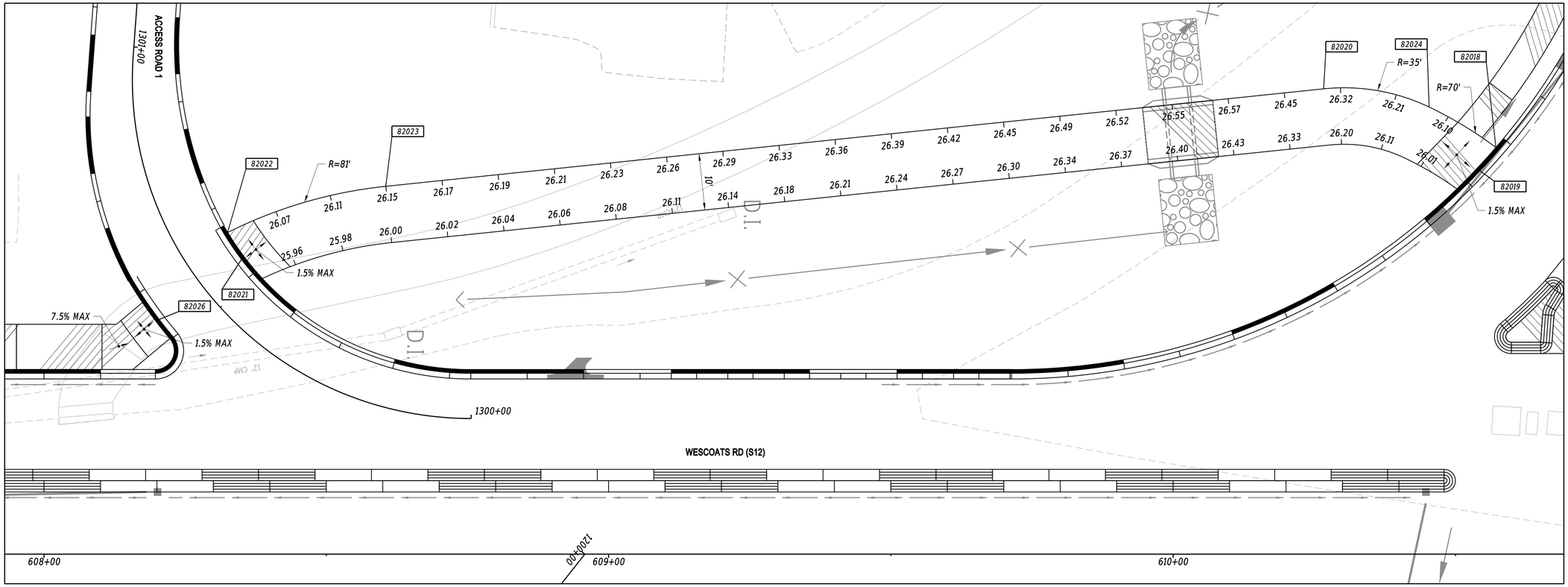
COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
82018	610+57.17	-71.97'	273892.0519	728433.5214
82019	610+53.81	-68.24'	273892.1780	728438.5422
82020	610+26.65	-82.35'	273862.7688	728446.9990
82021	608+35.35	-52.73'	273744.3895	728600.1697
82022	608+32.51	-56.91'	273739.4567	728599.1006
82023	608+60.54	-65.09'	273754.1534	728573.8669
82024	610+45.34	-79.12'	273878.5439	728436.4730
82026	608+19.79	-41.28'	273740.9831	728619.1881



DETAIL J

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4/4/2025

ADDENDA / REVISIONS		SCALE 0 10 20 30 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	CONSTRUCTION DETAILS	DT-04
				COUNTY SUSSEX	DESIGNED BY: J. SINCLAIR		SECTION WRA
					CHECKED BY: V. KOWALSKI		SHEET NO. 58

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80500	1104+32.18	-161.85'	273478.9430	728612.3360
80501	1104+36.77	-51.76'	273382.9036	728666.3582
80502	1104+60.66	-59.12'	273400.3055	728684.3074
80503	1104+60.69	-59.02'	273400.2261	728684.3843
80504	1104+30.22	-88.06'	273412.2931	728644.0544
80505	1104+53.29	-83.01'	273418.2547	728666.9055
80506	1104+56.68	-84.06'	273420.7227	728669.4511
80507	1104+62.99	-80.54'	273420.4495	728676.6731
80508	1104+57.50	-102.10'	273437.1731	728661.9963
80509	1104+48.28	-99.26'	273430.4601	728655.0722
80510	1104+25.17	-89.28'	273411.0842	728639.0032
80511	1104+23.71	-94.19'	273414.8016	728635.4753
80512	1104+25.74	-97.92'	273419.0428	728635.5862
80513	1104+41.60	-102.63'	273430.4346	728647.5900
80514	1104+21.21	-169.60'	273480.8675	728599.0434
80515	1104+06.78	-164.89'	273469.4214	728586.9825

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80516	1104+04.91	-167.20'	273470.2991	728583.6896
80517	1104+32.00	-191.76'	273505.5160	728598.6008
80518	1104+32.25	-161.76'	273478.8946	728612.4318
80519	1104+19.35	-188.85'	273497.1874	728588.6542
80520	1104+43.91	-193.91'	273512.8360	728608.2422
80521	1104+38.60	-214.61'	273528.8756	728594.1282
80522	1104+39.53	-211.24'	273526.2935	728596.4760
80523	1104+18.18	-219.53'	273524.0000	728573.6941
80524	1104+10.79	-217.53'	273518.7778	728567.8516
80525	1104+14.62	-204.36'	273508.8631	728577.3963
80526	1104+10.97	-204.96'	273507.6904	728573.7859
80527	1104+00.99	-191.58'	273489.3263	728567.5232
80528	1103+98.53	-192.38'	273488.4021	728564.1244
80529	1103+97.18	-199.47'	273493.7262	728559.0716
80530	1104+21.80	-93.62'	273413.4249	728634.0246
80531	1103+98.71	-73.46'	273383.9598	728620.9990

NOTES:

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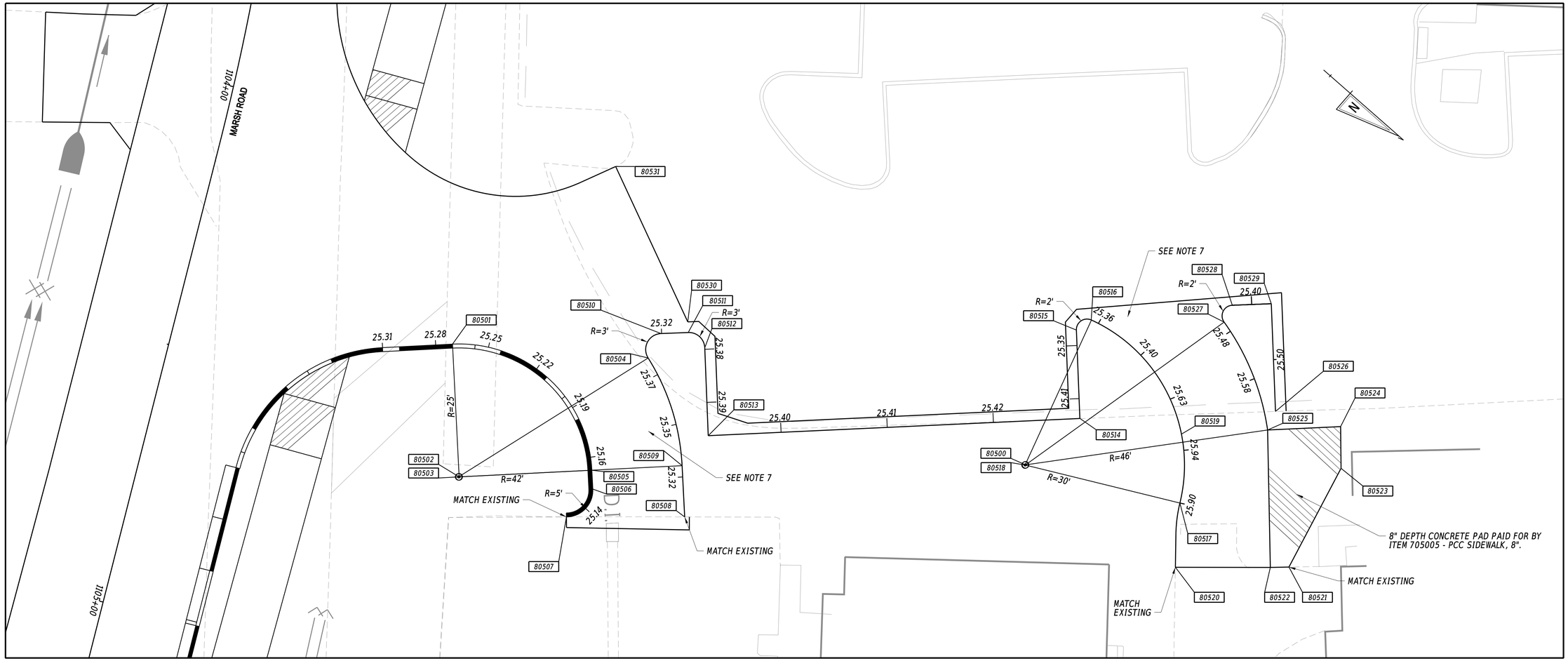
4. *RADII ARE GIVEN TO THE EDGE OF PAVEMENT.*
5. *PROPOSED PAVEMENT OR CURBS THAT TIE INTO EXISTING PAVEMENT OR EXISTING CURBS SHALL MATCH THE EXISTING PAVEMENT OR EXISTING CURB ELEVATIONS.*
6. *ALL WORK REQUIRED FOR CALCULATING AND STAKING OF GRADES SHALL BE PAID FOR UNDER ITEM 763501 - CONSTRUCTION ENGINEERING.*
7. *SEE ACCESS ROAD TYPICAL SECTION FOR PROPOSED PAVEMENT SECTION.*



DETAIL K

ADDENDA / REVISIONS		SCALE 0 10 20 30 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	CONSTRUCTION DETAILS	DT-05
				COUNTY SUSSEX	DESIGNED BY: J. SINCLAIR		SECTION WRA
					CHECKED BY: V. KOWALSKI		SHEET NO. 59

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COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80600	1300+00.06	7.00'	273788.5372	728588.2372
80601	1300+62.24	8.45'	273737.9427	728599.3244
80602	1301+05.74	6.97'	273706.5621	728577.8533
80603	1302+78.34	7.00'	273597.2436	728444.2830
80604	1302+90.66	14.35'	273595.1270	728430.0979
80605	1302+88.02	18.77'	273600.2210	728429.3341
80606	1302+72.15	18.79'	273610.2902	728441.6009
80607	1300+62.32	-8.69'	273733.1465	728615.7810
80608	1300+92.34	-7.37'	273704.7226	728597.6574
80609	1302+57.61	-7.00'	273599.5448	728469.1925
80610	1302+71.99	-26.27'	273575.5264	728470.2723
80611	1302+70.96	-29.76'	273573.4760	728473.2818
80612	1302+90.56	-34.83'	273557.1359	728461.3292
80613	608+54.60	-304.67'	273584.9269	728404.1783
80614	608+38.23	-310.08'	273569.3321	728411.5202
80615	608+08.93	-296.14'	273557.6740	728441.7973
80616	1302+72.16	22.21'	273612.9318	728439.4325

NOTES:

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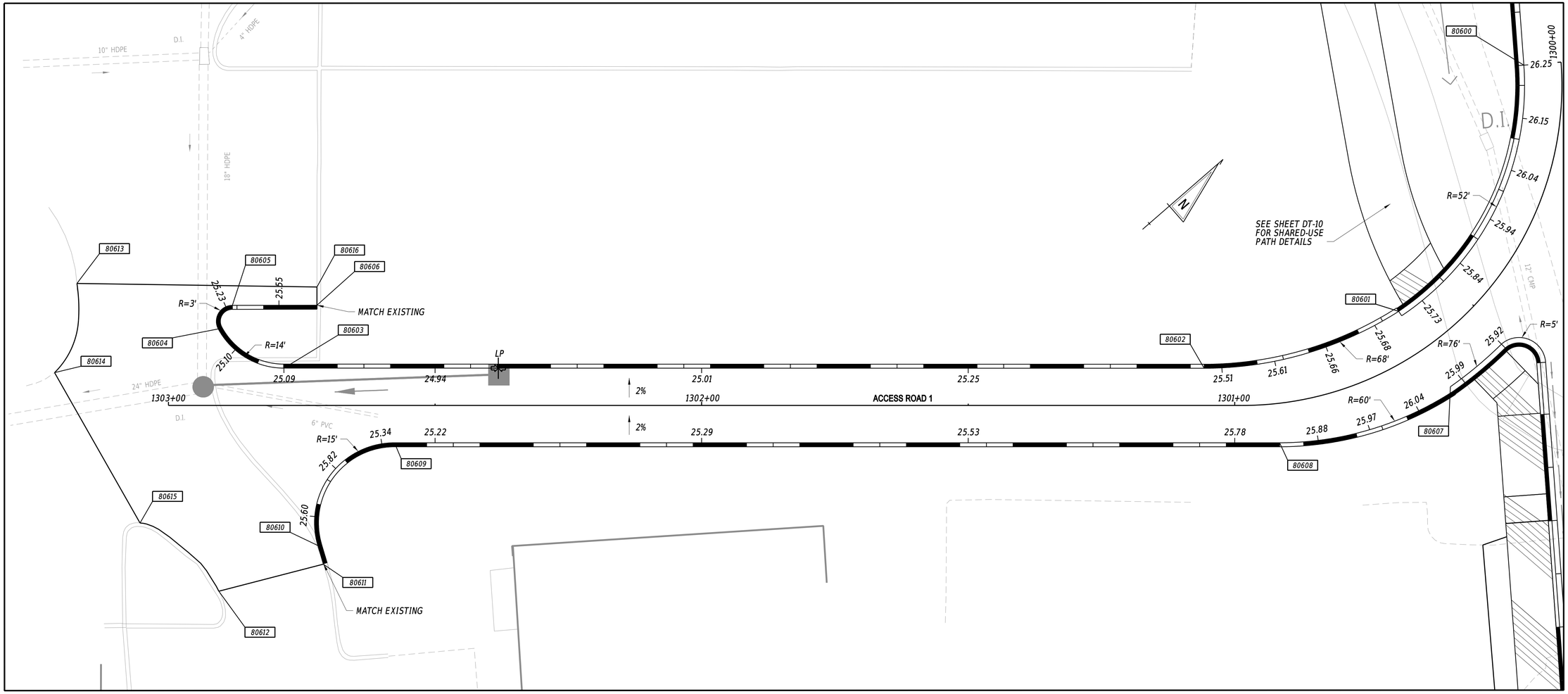

DETAIL L

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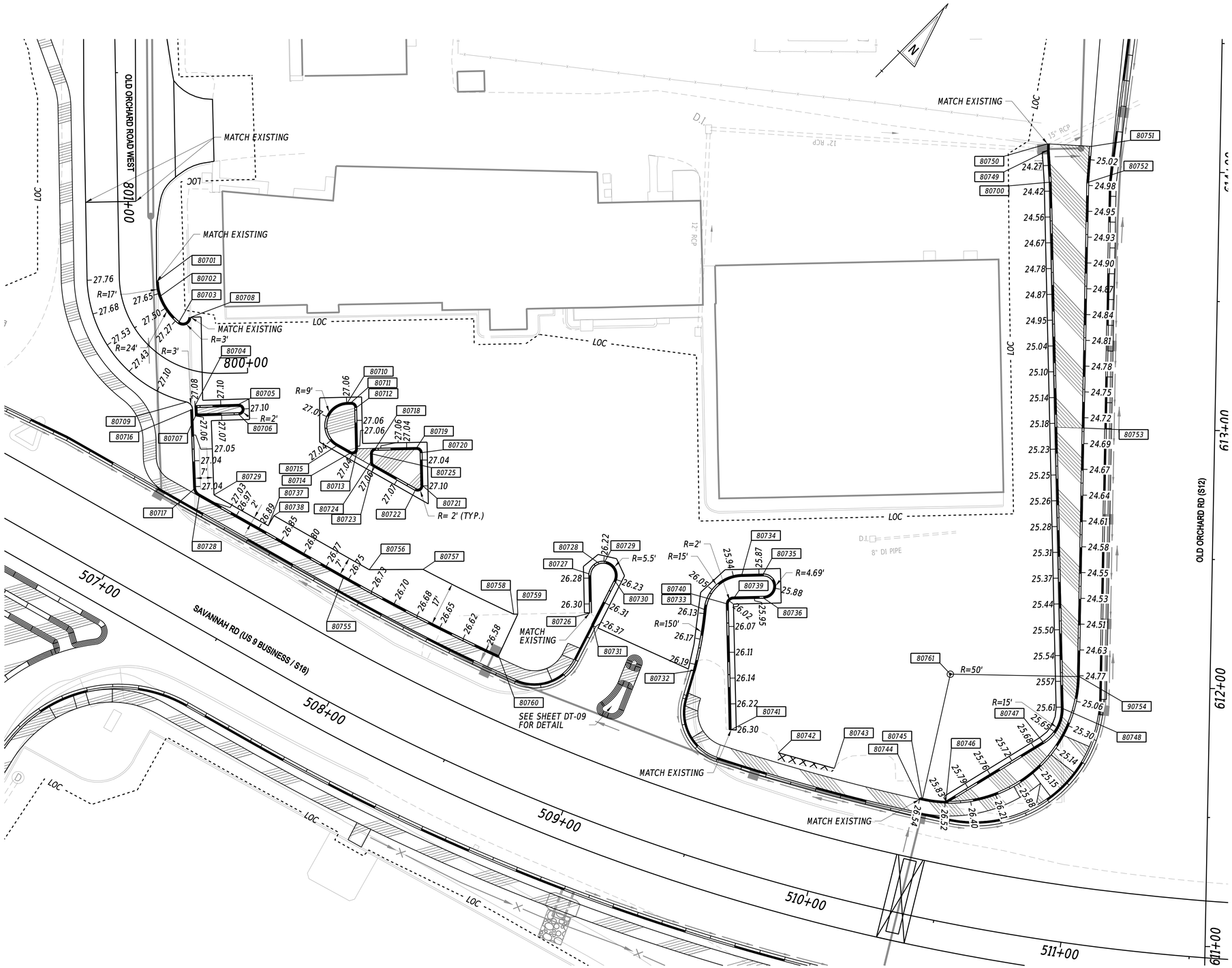
ADDENDA / REVISIONS		SCALE 0 10 20 30 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	CONSTRUCTION DETAILS	DT-06
				COUNTY SUSSEX	DESIGNED BY: J. SINCLAIR		SECTION WRA
					CHECKED BY: V. KOWALSKI		SHEET NO. 60



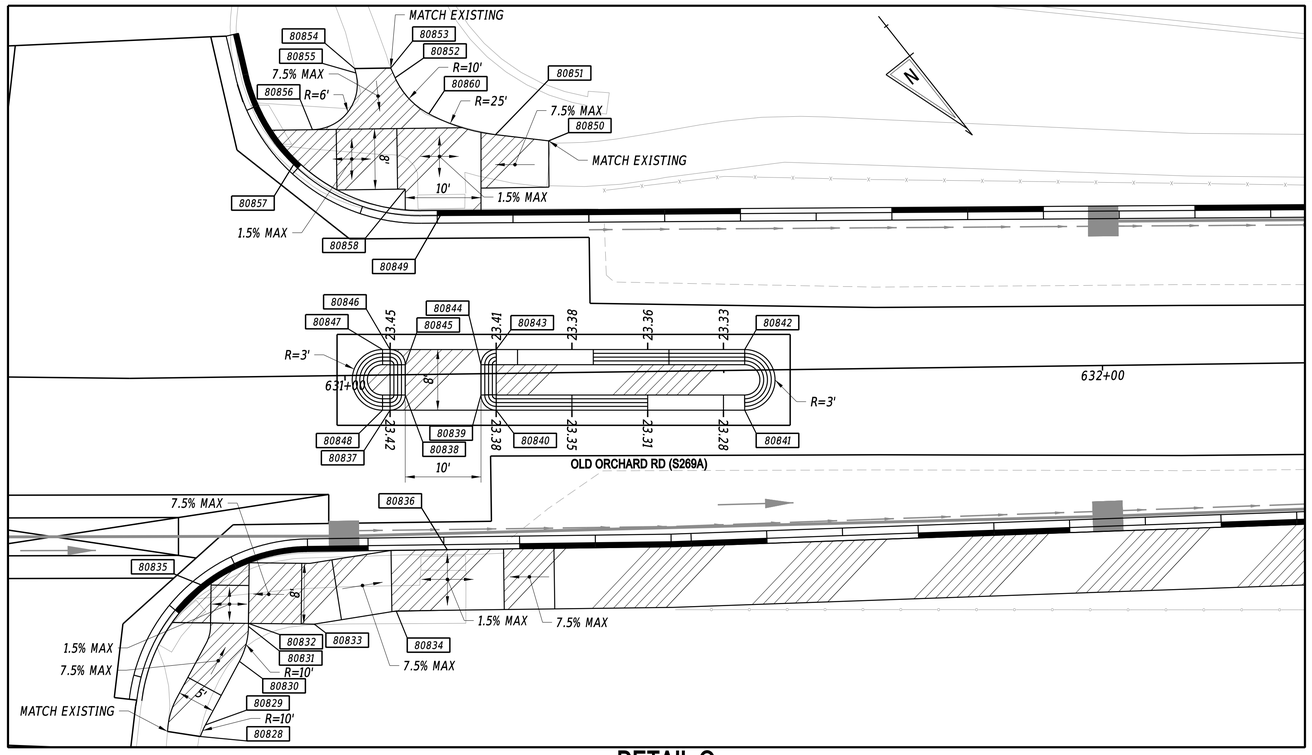
DETAIL M

COORDINATE LIST

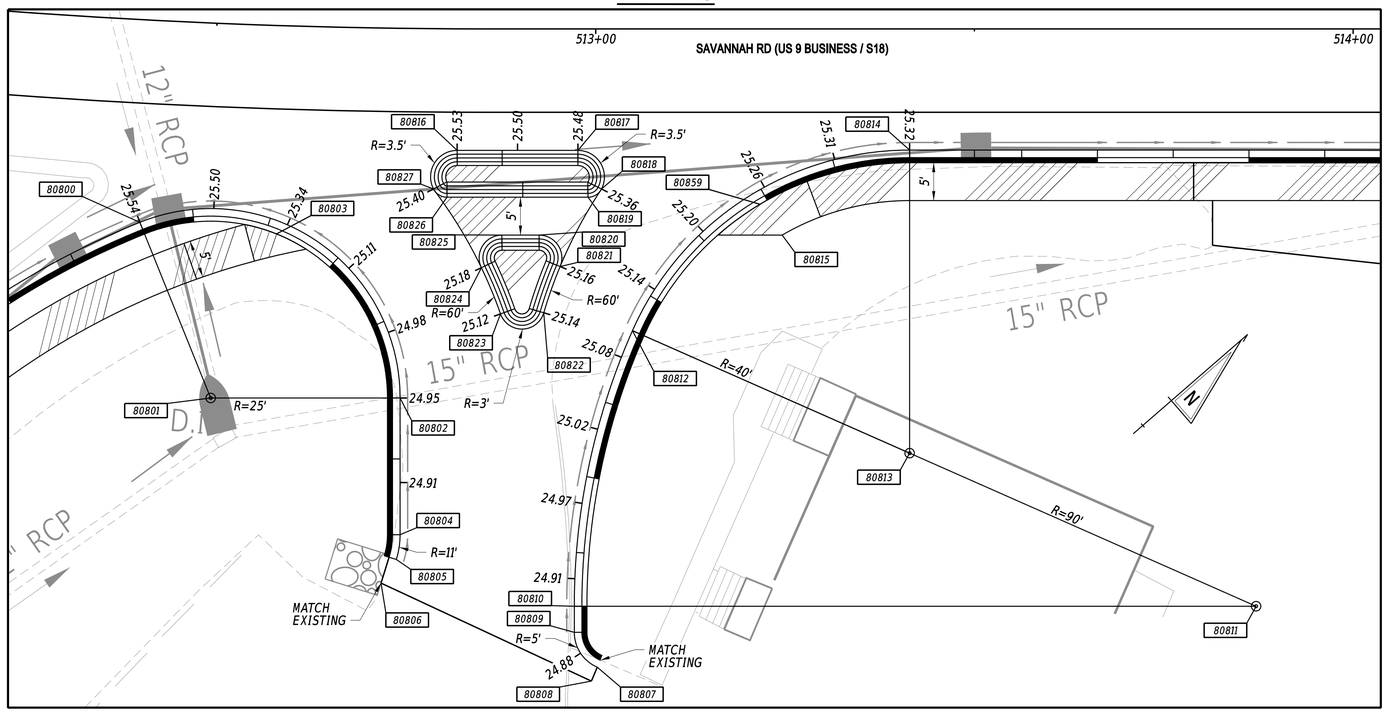
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80700	613+95.00	-65.89'	274141.2770	728205.3742
80701	800+67.47	14.30'	273870.9537	727986.0756
80702	800+58.01	14.00'	273867.5352	727990.9178
80703	800+37.80	14.00'	273865.3566	728003.3436
80704	506+98.12	-74.36'	273847.2033	728030.3881
80705	507+12.61	-83.20'	273859.4893	728042.0954
80706	507+14.70	-79.78'	273856.7347	728044.9958
80707	507+00.26	-70.98'	273844.4926	728033.3303
80708	800+33.25	18.80'	273870.4849	728005.1682
80709	800+20.78	-12.50'	273845.9468	728027.1049
80710	507+48.91	-104.65'	273889.6091	728071.6119
80711	507+50.18	-105.41'	273890.6688	728072.6429
80712	507+52.93	-104.71'	273890.7077	728075.4711
80713	507+61.13	-90.94'	273879.5302	728086.9598
80714	507+59.41	-87.92'	273876.1649	728086.0828
80715	507+53.52	-87.92'	273874.6399	728080.3924
80716	800+18.70	-14.76'	273845.5612	728030.7014
80717	507+14.03	-46.84'	273824.7367	728052.8820
80718	507+67.11	-94.53'	273884.5444	728091.8116
80719	507+80.89	-102.71'	273896.0149	728103.0031
80720	507+84.00	-102.01'	273896.0517	728105.8293
80721	507+91.34	-90.88'	273887.0630	728115.0682
80722	507+89.39	-87.88'	273883.6977	728114.1913
80723	507+69.85	-87.92'	273878.8676	728096.1677
80724	507+68.13	-88.90'	273879.3679	728094.2533
80725	507+66.42	-91.79'	273881.7162	728091.8464
80726	508+79.66	-74.71'	273897.2837	728195.7218
80727	508+72.70	-88.60'	273907.9113	728184.7973
80728	507+16.58	-45.42'	273824.0261	728055.7120
80729	507+21.63	-47.92'	273827.7468	728059.9380
80730	508+84.78	-89.76'	273912.9728	728194.4171
80731	508+83.16	-70.73'	273894.7781	728200.1709
80732	509+29.36	-68.55'	273909.6533	728239.9447
80733	509+24.93	-92.26'	273929.4783	728226.3417
80734	509+35.40	-109.89'	273949.3582	728227.2303
80735	509+44.36	-112.75'	273955.3117	728233.0023
80736	509+47.99	-103.92'	273948.7817	728239.7377
80737	507+45.77	-47.92'	273833.9971	728083.2608
80738	507+45.77	-52.42'	273838.3438	728082.0959
80739	509+35.39	-99.87'	273940.3029	728231.5175
80740	509+34.06	-97.30'	273937.4749	728231.5612
80741	509+52.26	-51.56'	273903.6062	728266.4947
80742	509+73.60	-48.47'	273910.0611	728285.7659
80743	509+97.50	-48.56'	273921.0012	728305.4705
80744	510+34.45	-44.67'	273935.5621	728337.4500
80745	510+35.60	-44.67'	273936.1418	728338.3726
80746	510+45.18	-46.18'	273942.2835	728345.2026
80747	611+78.14	-64.34'	273985.0471	728355.7836
80748	611+91.40	-57.43'	273999.4184	728351.6649
80749	614+07.20	-66.93'	274149.4083	728196.2257
80750	614+09.82	-66.91'	274151.3300	728194.4355
80751	614+09.19	-49.84'	274162.6212	728207.2524
80752	613+95.31	-50.67'	274151.9822	728216.2070
80753	612+99.99	-50.67'	274082.8441	728281.8205
80754	612+03.65	-50.67'	274012.9610	728348.1411
80755	507+80.94	-45.42'	273840.6858	728117.8770
80756	507+88.69	-52.38'	273849.3311	728123.0949
80757	508+08.29	-62.42'	273864.0579	728137.8416
80758	508+50.60	-62.42'	273876.3495	728175.0695
80759	508+52.13	-63.13'	273877.4958	728176.1657
80760	508+52.13	-45.42'	273860.8344	728182.1644
80761				

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.



DETAIL O



DETAIL N

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
80828	630+80.28	47.39'	274994.0836	726836.9704
80829	630+80.96	45.87'	274993.2949	726835.4986
80830	630+85.57	37.55'	274989.5178	726826.7692
80831	630+86.82	32.95'	274986.6361	726822.9712
80832	630+86.83	32.55'	274986.3232	726822.7176
80833	630+95.51	32.76'	274991.7862	726815.9718
80834	631+06.35	31.17'	274997.1463	726806.4118
80835	630+81.31	27.67'	274979.0904	726824.1112
80836	631+13.19	23.17'	274994.9844	726796.1102

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
80837	631+05.89	4.65'	274975.8613	726790.5912
80838	631+07.92	2.68'	274975.5348	726787.7817
80839	631+17.92	2.81'	274981.7422	726779.9416
80840	631+19.89	4.83'	274984.5517	726779.6150
80841	631+52.71	5.27'	275004.9214	726753.8874
80842	631+52.81	-2.73'	274998.6493	726748.9215
80843	631+20.00	-3.16'	274978.2796	726774.6491
80844	631+17.97	-1.19'	274978.6061	726777.4586
80845	631+07.97	-1.32'	274972.3987	726785.2987
80846	631+06.00	-3.35'	274969.5892	726785.6253
80847	631+05.00	-3.36'	274968.9685	726786.4093
80848	631+04.90	4.64'	274975.2406	726791.3752

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
80849	631+13.26	-21.60'	274959.5604	726768.7321
80850	631+27.30	-30.62'	274960.9857	726752.1074
80851	631+20.29	-31.54'	274955.9838	726757.1027
80852	631+07.14	-39.20'	274941.8831	726762.8423
80853	631+06.58	-40.50'	274940.5123	726762.4943
80854	631+01.82	-40.50'	274937.6105	726766.2605
80855	631+01.97	-39.91'	274938.1680	726766.5094
80856	630+96.13	-32.50'	274940.4750	726775.6502
80857	630+93.95	-28.51'	274942.3060	726779.8114
80858	631+08.28	-24.49'	274954.2365	726770.9189
80860	631+11.52	-34.40'	274948.3607	726762.3074

NOTES:

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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
80800	512+41.21	26.72'	274009.1252	728540.5600
80801	512+51.17	49.45'	274000.9729	728564.1934
80802	512+74.80	48.79'	274019.8453	728580.5895
80803	512+58.73	27.50'	274021.7352	728553.5460
80804	512+75.01	66.83'	274008.0118	728594.2103
80805	512+74.59	70.10'	274005.4956	728596.3504
80806	512+72.77	73.26'	274001.9197	728597.3869
80807	513+00.22	84.25'	274016.1963	728624.4906
80808	512+99.43	86.09'	274014.3973	728625.3644
80809	512+97.18	79.65'	274016.9194	728619.0269
80810	512+97.18	76.21'	274019.1805	728616.4242
80811	513+87.18	76.21'	274087.1214	728675.4499
80812	513+04.86	39.84'	274048.8292	728594.0023
80813	513+41.45	56.00'	274065.8480	728630.2012
80814	513+41.45	16.00'	274092.0816	728600.0053
80815	513+24.62	27.22'	274072.0235	728597.4456
80816	512+81.78	16.05'	274046.9614	728560.8596
80817	512+97.65	16.04'	274058.9966	728571.3155
80818	513+00.77	21.13'	274058.0106	728577.2034
80819	512+98.99	22.22'	274055.9507	728576.8585
80820	512+92.54	27.22'	274047.8013	728576.4019
80821	512+95.31	31.37'	274047.1691	728581.3530
80822	512+93.15	37.47'	274041.5399	728584.5406
80823	512+87.44	37.62'	274037.1345	728580.9073
80824	512+84.94	31.52'	274039.2275	728574.6474
80825	512+87.62	27.22'	274044.0882	728573.1761
80826	512+80.51	22.24'	274041.8985	728564.6502
80827	512+78.76	21.16'	274041.2690	728562.6587
80859	513+21.70	23.15'	274072.4869	728592.4478

ADDENDA / REVISIONS

SCALE
0 10 20 30
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	T201609601	BRIDGE NO.	N/A
COUNTY	SUSSEX	DESIGNED BY:	J. SINCLAIR
		CHECKED BY:	V. KOWALSKI

CONSTRUCTION DETAILS

	DT-08
SECTION	WRA
SHEET NO.	62

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4/4/2025 10:08:20 AM

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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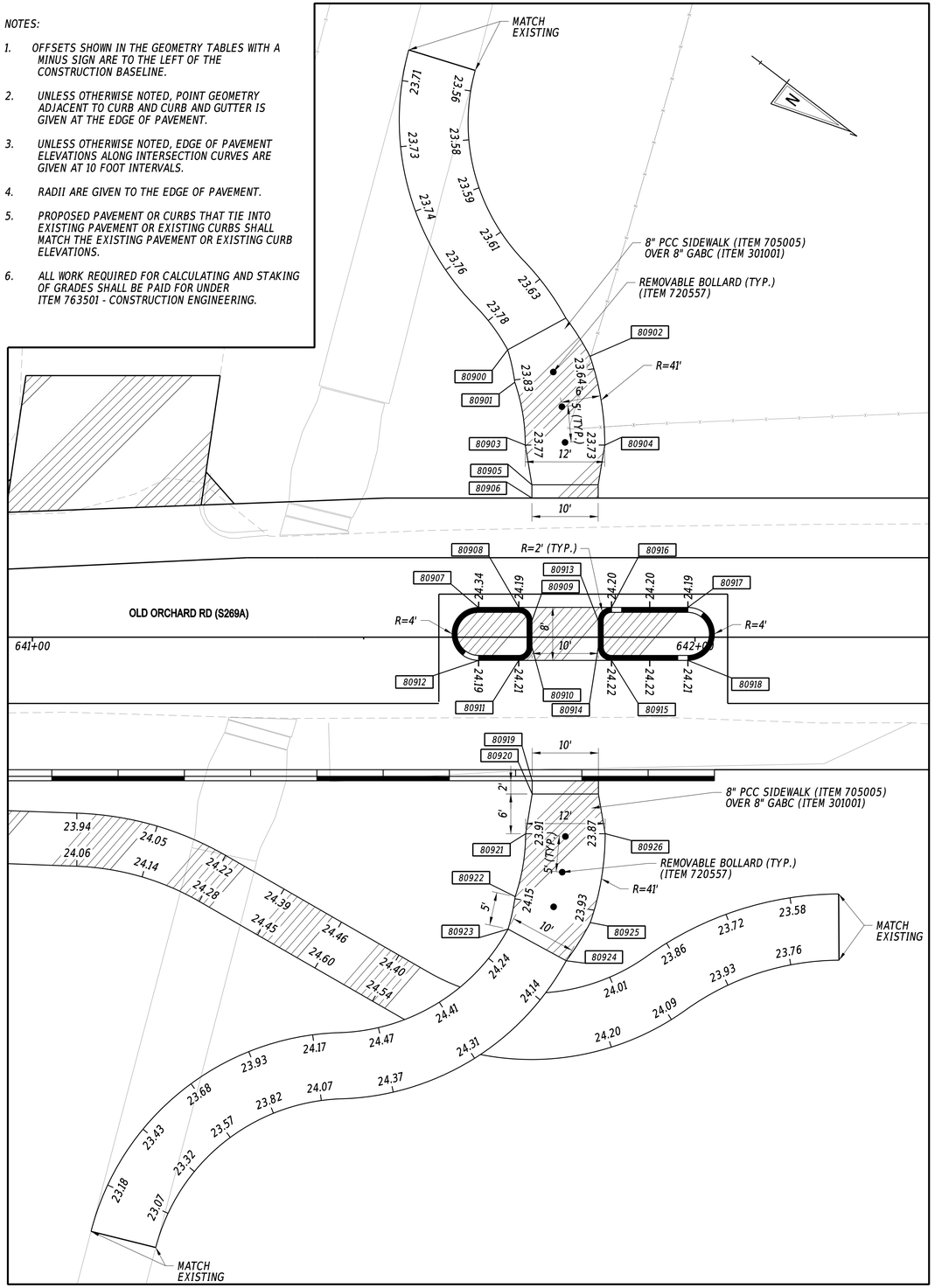
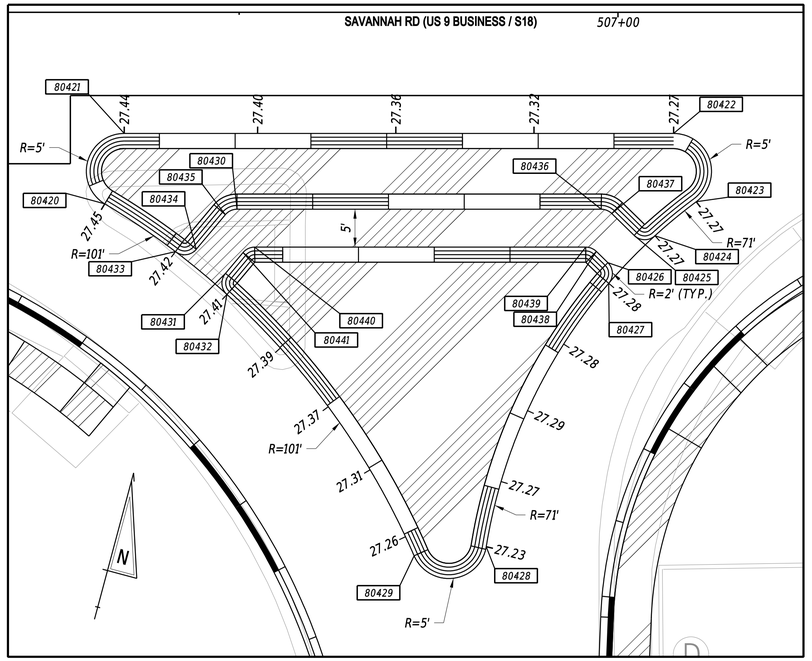


DETAIL P

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80900	641+71.74	-43.39'	275671.8625	725981.1754
80901	641+72.81	-38.49'	275675.6805	725984.4210
80902	641+84.15	-42.40'	275682.3336	725974.4342
80903	641+74.39	-29.00'	275682.6923	725991.0102
80904	641+86.39	-28.99'	275692.2468	725983.7500
80905	641+75.39	-23.00'	275687.1168	725995.1839
80906	641+75.39	-21.00'	275688.3305	725996.7735
80907	641+67.35	-4.50'	275691.9348	726014.7695
80908	641+73.41	-4.50'	275696.7517	726011.1005
80909	641+75.41	-2.50'	275699.5534	726011.4781
80910	641+75.41	1.50'	275701.9802	726014.6578
80911	641+73.41	3.50'	275701.6023	726017.4623
80912	641+67.35	3.50'	275696.7824	726021.1336
80913	641+85.41	-2.50'	275707.5109	726005.4218
80914	641+85.41	1.50'	275709.9377	726008.6015
80915	641+87.41	3.50'	275712.7394	726008.9791
80916	641+87.41	-4.50'	275707.8888	726002.6174
80917	641+98.94	-4.50'	275717.0609	725995.6310
80918	641+98.94	3.50'	275721.9084	726001.9950
80919	641+75.43	21.67'	275714.2202	726030.6877
80920	641+75.44	23.65'	275715.4254	726032.2662
80921	641+74.44	29.67'	275718.2803	726037.6531
80922	641+72.86	39.16'	275722.7699	726046.1634
80923	641+71.79	44.05'	275724.8845	726050.7064
80924	641+80.57	48.84'	275734.7691	726049.1912
80925	641+84.20	43.07'	275734.1653	726042.4026
80926	641+86.44	29.65'	275727.8180	726030.3707

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80400	509+01.82	-63.48'	273894.6540	728218.8209
80401	509+08.30	-63.43'	273896.9931	728224.3461
80402	509+01.81	-62.48'	273893.7331	728219.2107
80403	509+08.29	-62.43'	273896.0722	728224.7360
80404	509+03.96	-60.47'	273892.6710	728221.8322
80405	509+06.11	-60.45'	273893.4507	728223.6739
80406	509+03.82	-55.47'	273888.0303	728223.6955
80407	509+06.06	-55.45'	273888.8463	728225.6232
80408	509+01.69	-53.67'	273885.5956	728222.5651
80409	509+08.18	-53.43'	273887.7843	728228.2446
80410	508+97.99	-44.39'	273875.6867	728222.9882
80411	509+08.08	-44.57'	273879.6256	728231.6985
80412	509+00.52	-39.64'	273872.2525	728227.0535
80413	509+02.73	-39.61'	273873.0555	728229.0038
80414	508+62.71	-38.00'	273857.3385	728194.1629
80415	508+62.71	-57.00'	273875.1336	728187.5045
80416	508+83.02	-55.79'	273880.8624	728205.6203
80417	509+29.06	-57.08'	273899.1391	728244.5394
80418	509+50.48	-58.00'	273908.6307	728262.1371
80419	509+50.49	-38.00'	273890.7241	728271.0446

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80420	506+32.26	25.29'	273733.9008	727992.5717
80421	506+34.83	16.00'	273743.5403	727992.6430
80422	507+07.35	16.00'	273762.3141	728062.6970
80423	507+10.33	25.01'	273754.3802	728067.9109
80424	507+04.89	29.50'	273748.6351	728063.8083
80425	507+02.14	29.45'	273747.9712	728061.1456
80426	506+98.67	33.05'	273743.5983	728058.7209
80427	506+98.79	35.78'	273740.9900	728059.5450
80428	506+82.61	70.55'	273703.2203	728052.9223
80429	506+73.09	71.74'	273699.6095	728044.0339
80430	506+49.71	26.00'	273737.7348	728009.6116
80431	506+48.19	34.48'	273729.1544	728010.3370
80432	506+48.38	37.24'	273726.5306	728011.2336
80433	506+41.60	31.60'	273730.2250	728003.2188
80434	506+44.34	31.29'	273731.2304	728005.7882
80435	506+48.18	26.71'	273736.6488	728008.3169
80436	506+97.79	26.00'	273750.1800	728056.0504
80437	506+99.19	26.57'	273749.9920	728057.5474
80438	506+97.15	31.57'	273744.6352	728056.8746
80439	506+95.75	31.00'	273744.8233	728055.3776
80440	506+52.04	31.00'	273733.5085	728013.1569
80441	506+50.51	31.71'	273732.4225	728011.8622



DETAIL Q

DETAIL R

ADDENDA / REVISIONS

SCALE 0 10 20 30 FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	T201609601
COUNTY	SUSSEX
BRIDGE NO.	N/A
DESIGNED BY:	J. SINCLAIR
CHECKED BY:	V. KOWALSKI

CONSTRUCTION DETAILS

DT-09

SECTION: WRA

SHEET NO.: 63

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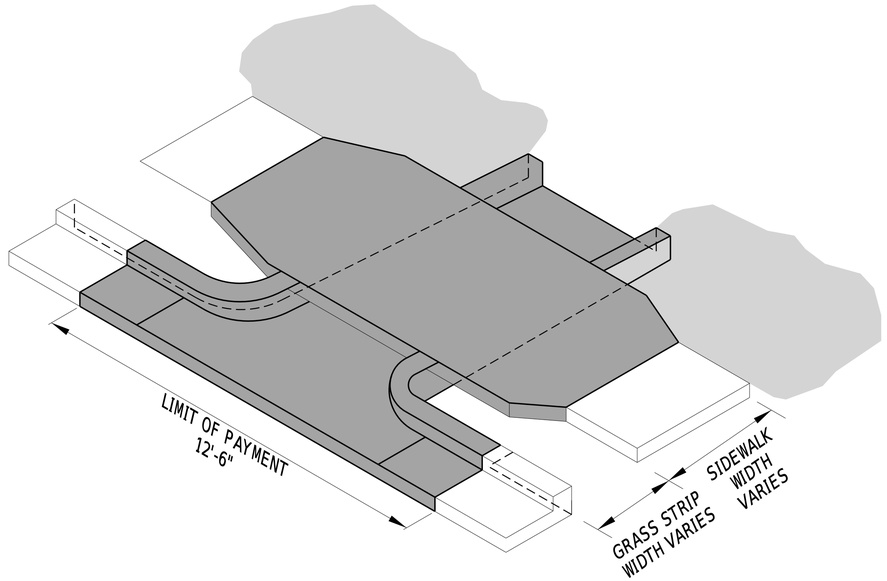
4/4/2025



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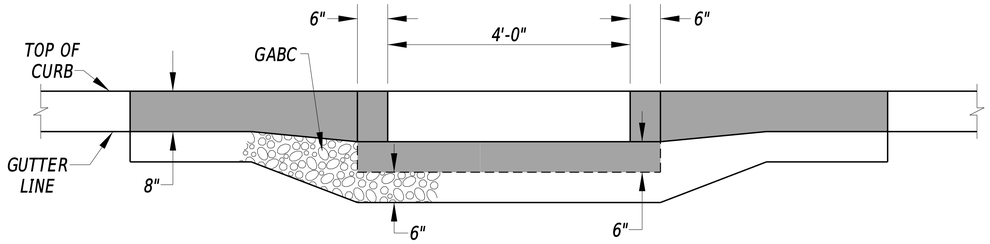
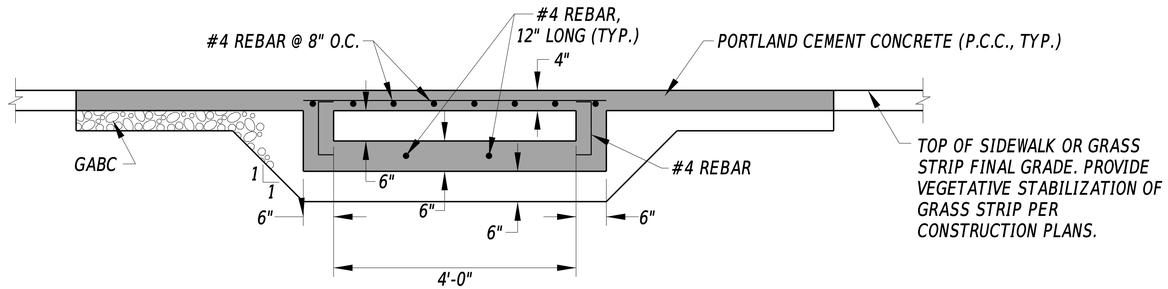
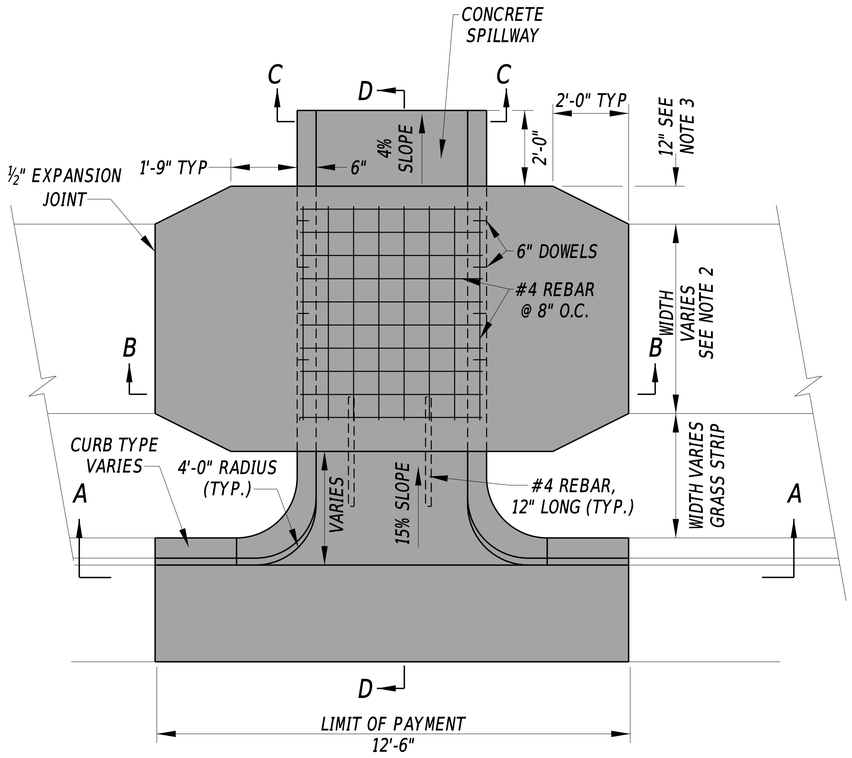


SECTION A-A



SECTION B-B



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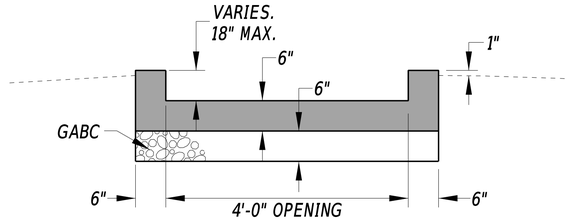
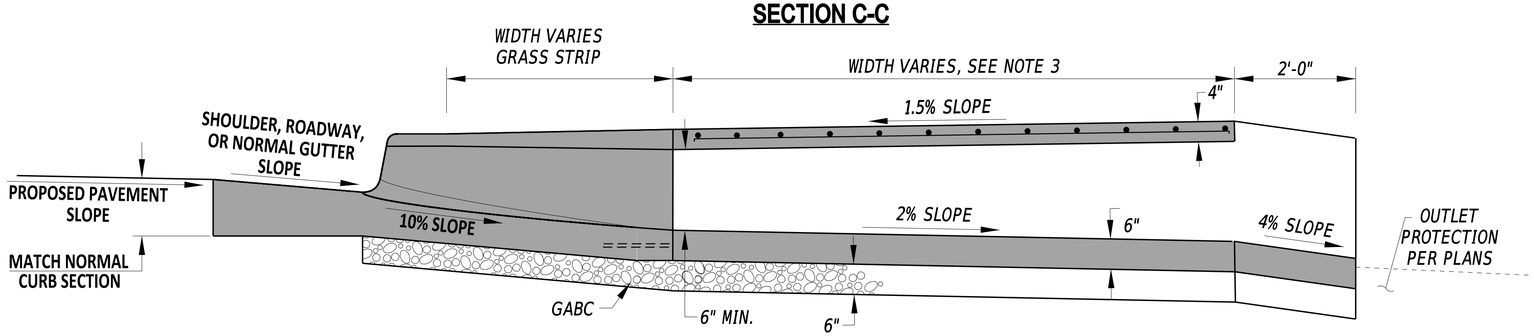


SECTION C-C



SECTION D-D

CURB / SIDEWALK OPENING WITH GRASS STRIP

NOTES:

1. *WHEN THE SIDEWALK IS DIRECTLY BEHIND THE CURB, THE ENTIRE UNIT MUST BE CAST-IN-PLACE. SEE DELDOT STANARD DETAIL C-5.*
2. *SIDEWALK WIDTHS LESS THAN SHOWN ON THE CONSTRUCTION PLANS REQUIRE DEPARTMENT APPROVAL. SEE PEDESTRIAN ACCESSIBILITY STANDARDS MANUAL FOR MORE GUIDANCE.*
3. *OVER THE CONCRETE SPILLWAY, THE SLAB WIDTH SHALL BE 12" WIDER THAN THE SIDEWALK WIDTH ON BOTH SIDES.*
4. *ENSURE THE PERMANENT EROSION CONTROL MEASURE IS PLACED SUCH THAT THE FINAL TOP ELEVATION OF THE EROSION CONTROL IS BELOW THE OUTFALL OF THE CURB OPENING.*
5. *ALL WORK AND MATERIAL ARE TO BE PAID UNDER ITEM 701510 - CURB/SIDEWALK OPENING.*

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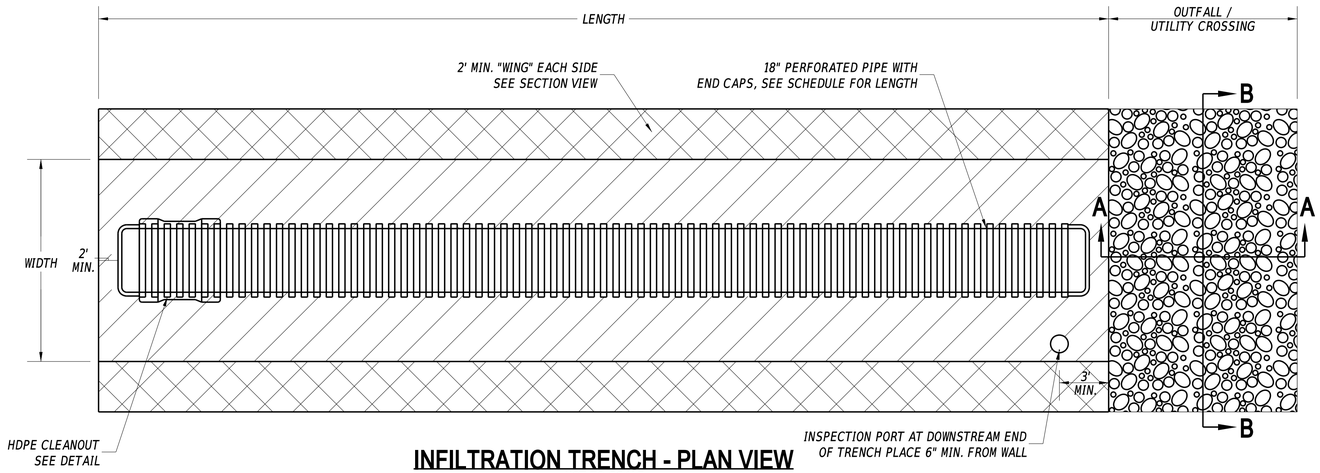
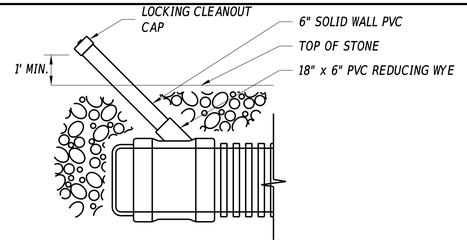
ADDENDA / REVISIONS		NOT TO SCALE	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	CONSTRUCTION DETAILS	DT-10
				COUNTY SUSSEX	DESIGNED BY: J. SINCLAIR		SECTION WRA
					CHECKED BY: V. KOWALSKI		SHEET NO. 64



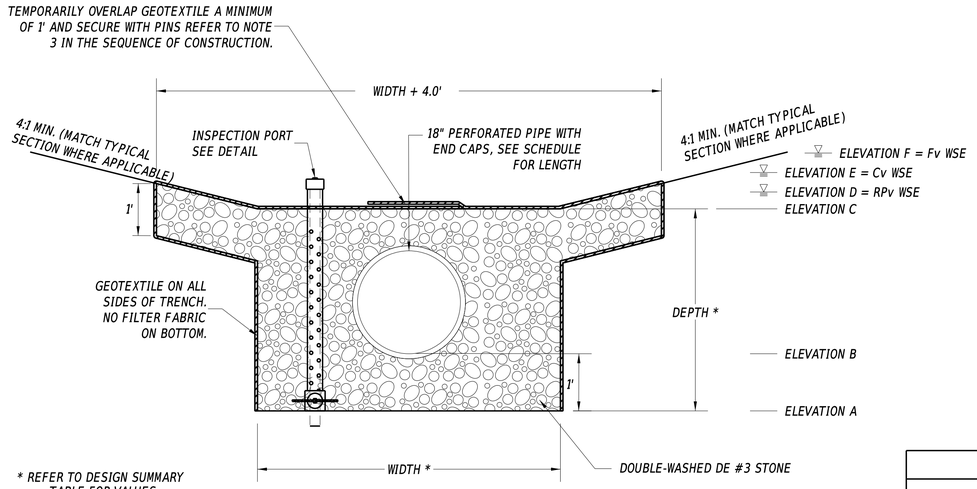
INFILTRATION TRENCH - PLAN VIEW

NOT TO SCALE



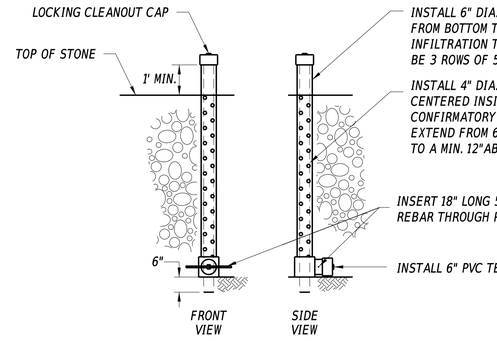
18" HDPE CLEANOUT DETAIL

NOT TO SCALE



INFILTRATION TRENCH - SECTION VIEW

NOT TO SCALE



INSPECTION PORT DETAIL

NOT TO SCALE

INFILTRATION TRENCH CONSTRUCTION SEQUENCE

NOTIFY THE CCR A MINIMUM OF 2 WORKING DAYS IN ADVANCE OF ANY CONSTRUCTION SO THAT THE REQUIRED FACILITY CONSTRUCTION CHECKLIST CAN BE COMPLETED. NO WHEELED OR TRACKED EQUIPMENT SHALL BE ALLOWED WITHIN 2 FEET OF THE PERMANENT BOTTOM ELEVATION. ALL NO. 3 STONE USED IN THE TRENCH SHALL CONFORM TO THE INFILTRATION STONE REQUIREMENTS OF SECTION 910 OF THE STANDARD SPECIFICATIONS.

1. IF AREA(S) DRAINING TO INFILTRATION TRENCH ARE NOT VEGETATIVELY STABILIZED, INFLOW SWALES WILL REQUIRE AN 18" COMPOST FILTER LOG PLACED 25 FEET BEFORE THE EDGE OF THE PROPOSED TRENCH, OR CLOSER AS DIRECTED BY THE ENGINEER. OTHER INFLOW AREAS, INCLUDING SIDE SLOPES, WILL HAVE SILT FENCE OR 18" COMPOST FILTER LOG INSTALLED SO THAT RUNOFF IS INTERCEPTED BEFORE ENTERING THE TRENCH AREA. THESE ITEMS WILL REMAIN UNTIL SURROUNDING VEGETATION IS ESTABLISHED
2. EXCAVATE THE TRENCH TO THE DIMENSIONS SHOWN ON THE PLANS AND SCARIFY THE BOTTOM A MINIMUM OF 6 INCHES. DURING EXCAVATION, THE CCR SHALL OBSERVE THE SOIL TYPE. IF STANDING WATER OR EXCESSIVE CLAY/SILT MATERIAL IS DISCOVERED AT THE PROPOSED BOTTOM ELEVATION, THE CCR SHALL NOTIFY THE ENGINEER AND STORMWATER ENGINEER IMMEDIATELY.
3. INSTALL GEOTEXTILE ON ALL TRENCH SIDES MAKING SURE THERE IS ENOUGH EXTRA TO COVER THE TOP OF THE TRENCH COMPLETELY AFTER STONE IS PLACED AND HAVING AT LEAST 1 FOOT OF OVERLAP OF THE GEOTEXTILE. THE ONLY AREA THAT IS NOT COVERED WITH GEOTEXTILE IS THE BOTTOM.
4. PLACE THE 6" DIAMETER PERFORATED PVC INSPECTION PORTS WITH INTERNAL 4" DIAMETER PVC CONFIRMATORY TESTING PORT AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH THE DETAIL. PORTS SHALL BE SPACED 125' ALONG THE LENGTH OF THE TRENCH PAYMENT TO FURNISH AND INSTALL PORTS IS INCIDENTAL TO THE INFILTRATION TRENCH ITEMS.
5. PLACE BOTTOM LAYER OF DE NO. 3 STONE AND PERFORATED HDPE PIPE PER PLAN (AS APPLICABLE). BACKFILL REMAINING STONE. ALL NO. 3 STONE USED IN THE TRENCH SHALL CONFORM TO THE INFILTRATION STONE REQUIREMENTS OF SECTION 910 OF THE STANDARD SPECIFICATIONS. PAYMENT TO FURNISH AND INSTALL INTERNAL HDPE PERFORATED PIPE AND CLEANOUT IS INCIDENTAL TO THE INFILTRATION TRENCH ITEMS.
6. AFTER STONE PLACEMENT, IMMEDIATELY COVER THE ENTIRE TOP OF THE TRENCH WITH THE EXCESS GEOTEXTILE. SPARINGLY SECURE WITH NO. 3 STONE SO GEOTEXTILE DOES NOT MOVE. BRUSH CLEAN GEOTEXTILE COVER AS NEEDED TO PREVENT SEDIMENT ACCUMULATION.
7. THE SAME DAY THAT THE TRENCH IS COMPLETED, PERMANENTLY STABILIZE THE DISTURBED AREA AROUND THE TRENCH WITH PERMANENT SEED - SUBDIVISION AND EROSION CONTROL BLANKET.
8. INSPECT THE TRENCH AND REMOVE LOOSE SEDIMENT AFTER EVERY RAIN EVENT. ENSURE E&S CONTROLS ARE PROPERLY FUNCTIONING.
9. AFTER ALL SURROUNDING AREAS DRAINING TO THE TRENCH HAVE SUFFICIENT VEGETATION, AS DETERMINED BY THE STORMWATER ENGINEER, E&S DEVICES SHALL BE REMOVED AND THE EXCESS GEOTEXTILE REMOVED FROM THE TOP.

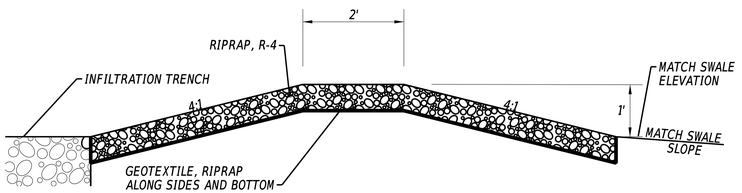
*AS-BUILT DRAWINGS WILL BE COMPLETED BY THE CONTRACTOR AND CERTIFIED BY A DELAWARE PLS BEFORE THE DELDOT INITIAL INSPECTION DATE. THESE DRAWINGS SHALL BE SENT TO THE STORMWATER ENGINEER FOR VERIFICATION. AS-BUILT DRAWINGS WILL INCLUDE, BUT NOT BE LIMITED TO:

- GENERAL TOPOGRAPHY OF THE WHOLE FACILITY AT 1-FOOT CONTOURS INCLUDING FOREBAYS AND TOP/TOE OF ANY EMBANKMENT.
- INVERTS OF ALL PIPES AND SWALES THAT INFLOW TO THE BASIN.
- OUTLINE OF ALL RIPRAP AND OBTAIN SPOT ELEVATIONS ON TOP OF THE RIPRAP.
- OUTLET STRUCTURE (OR WEIR WALL) INVERTS OF ANY AND ALL ORIFICES/WEIRS, TOP OF STRUCTURE, OUTLET PIPE, ETC.
- 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 (3) CROSS SECTIONS EQUAL DISTANCE APART AT 50' DOWNSTREAM ALONG WITH THE SLOPE.

BMP SWM FACILITY SCHEDULE

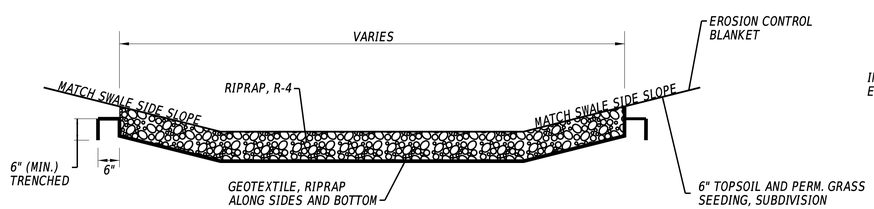
SWM FACILITY NO.	LENGTH FT.	WIDTH FT.	DEPTH FT.	PERF. PIPE LENGTH FT.	MEASURED RATE IN/HR	DESIGN RATE IN/HR	ELEVATION A FT.	ELEVATION B FT.	ELEVATION C FT.	RPv (1-YR) ELEVATION D FT.	Cv (10-YR) ELEVATION E FT.	Fv (100-YR) ELEVATION E FT.
01137	300	4	3.5	295	-	10.00	17.50	18.50	21.00	21.93	22.25	22.42
01138	88	4	2	N/A**	54.38	15.00	19.50	N/A**	21.50	22.60	23.90	25.24
01140	260	4	2	N/A**	10.13	5.07	VARIES*	N/A**	VARIES*	22.98	23.16	23.42
01141	240	4	2	N/A**	65.16	15.00	VARIES*	N/A**	VARIES*	21.65	22.24	22.59
01142***	32	12	3.5	27	-	10.00	16.50	17.50	20.00	22.22	22.55	24.10
	40	12	3.5	35	-	10.00	16.50	17.50	20.00	21.90	22.38	24.10

* SEE GG SHEETS. TOP OF TRENCH MATCHES SWALE GRADES.
** 18" PERFORATED HDPE IS NOT INSTALLED IN BMPS 01138, 01140, AND 01141
*** BMP 01142 HAS TWO UNDERGROUND INFILTRATION BAYS DUE TO UTILITY CROSSING. SEE BERM DETAIL FOR ADDITIONAL INFORMATION.



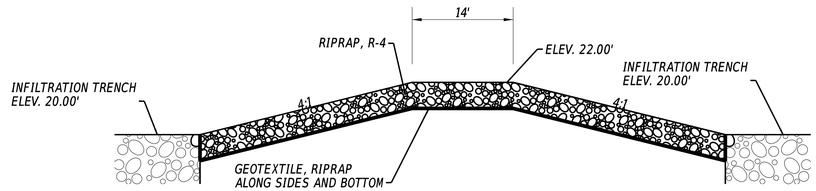
BMP 01137, 01140, AND 01141 OUTFALL TYPICAL SECTION SECTION A-A

NOT TO SCALE



BMP 01137, 01140, AND 01141 OUTFALL, BMP 01142 UTILITY CROSSING TYPICAL SECTION SECTION B-B

NOT TO SCALE



BMP 01142 UTILITY CROSSING DETAIL

NOT TO SCALE

ADDENDA / REVISIONS		NOT TO SCALE	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	STORMWATER MANAGEMENT PLANS	SW-01
				COUNTY SUSSEX	DESIGNED BY: J. KELLEY		SECTION WRA
					CHECKED BY: V. KOWALSKI		SHEET NO. 65

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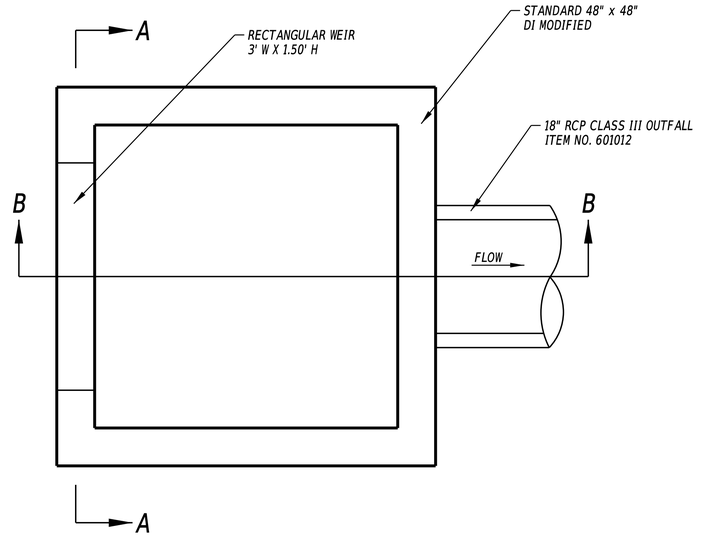
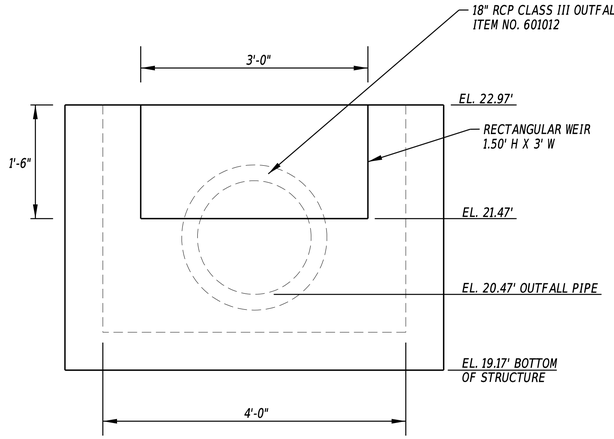


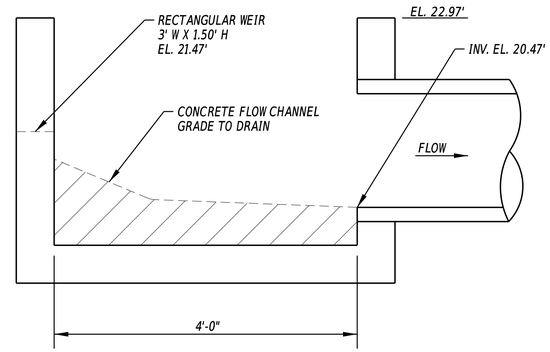
BMP NO. 01142 OUTLET STRUCTURE (DI-704) DETAIL

NOT TO SCALE



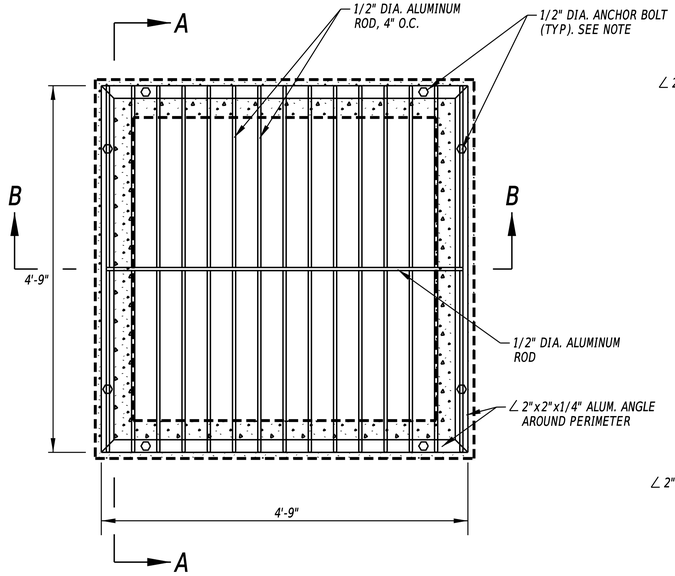
SECTION A-A

NOT TO SCALE



SECTION B-B

NOT TO SCALE

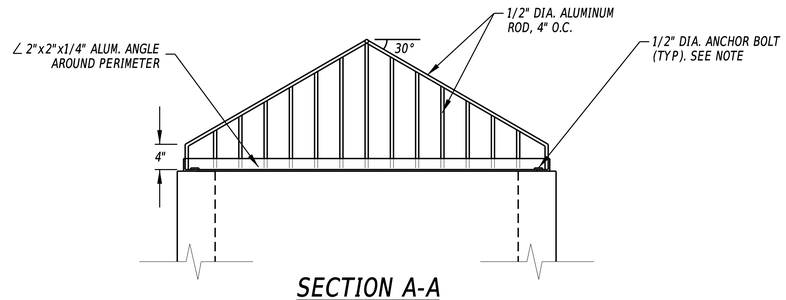


OVERFLOW TRASH RACK DETAIL

NOT TO SCALE

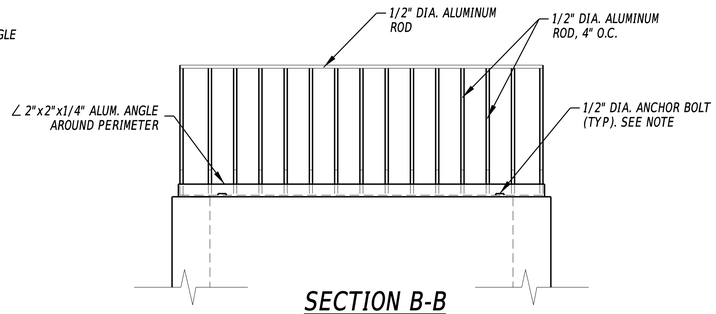
NOTES:

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.



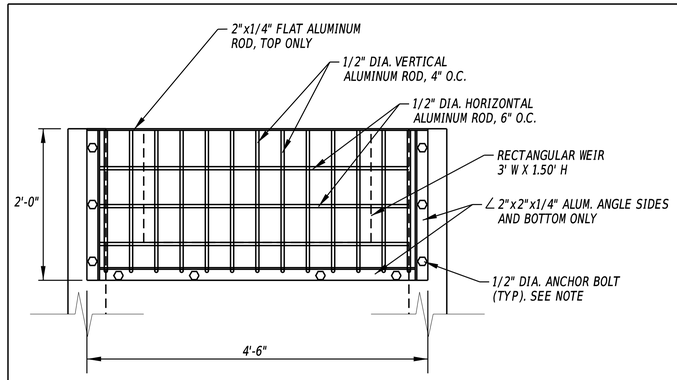
SECTION A-A

NOT TO SCALE



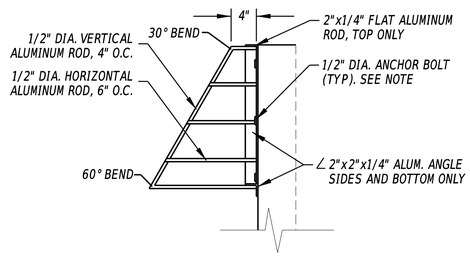
SECTION B-B

NOT TO SCALE



FRONT ELEVATION

NOT TO SCALE



SIDE ELEVATION

NOT TO SCALE

WEIR TRASH RACK DETAIL

NOT TO SCALE

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.

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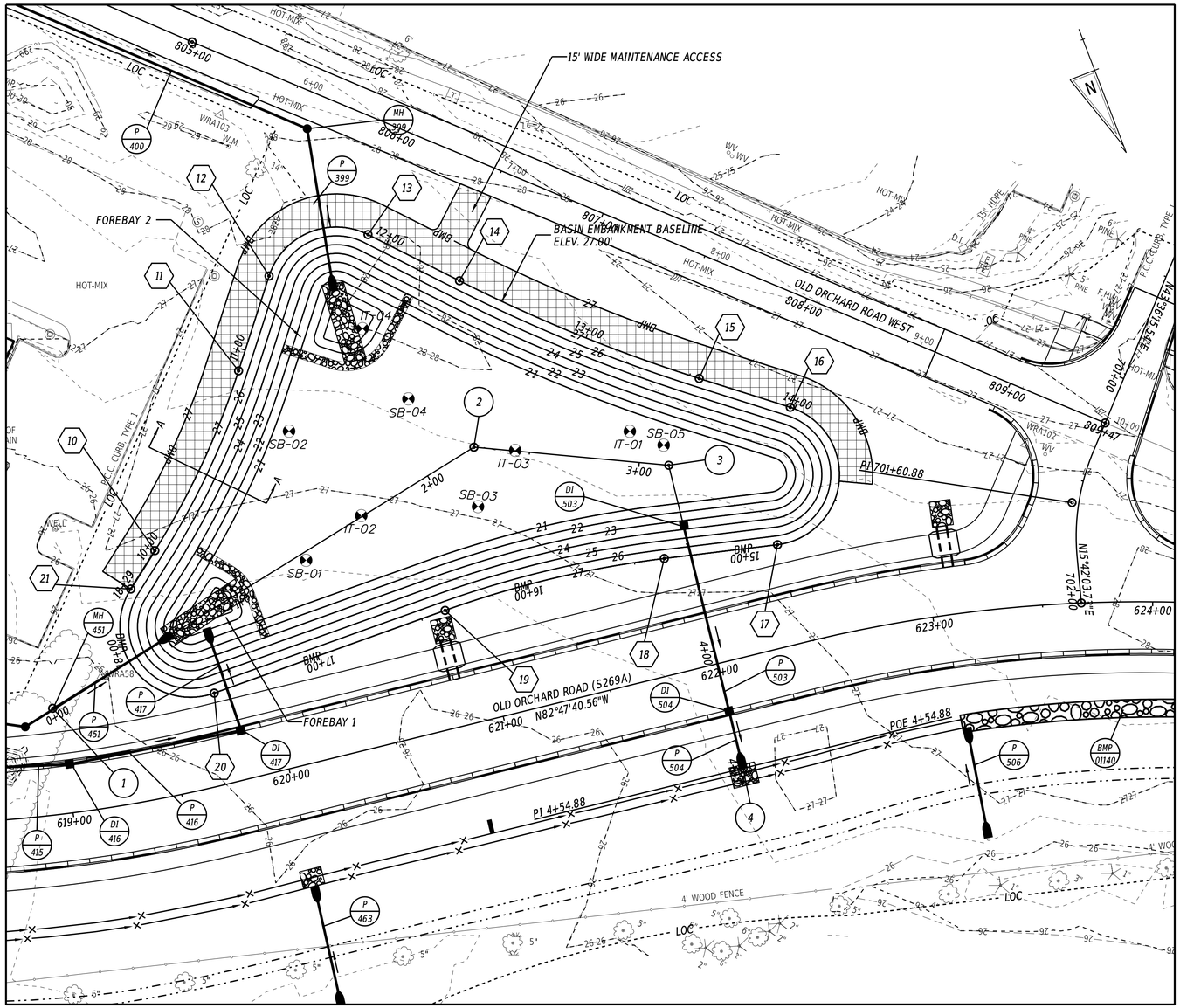
ADDENDA / REVISIONS		NOT TO SCALE	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT	T201609601	BRIDGE NO.	N/A	STORMWATER MANAGEMENT PLANS	SW-02
				COUNTY	SUSSEX	DESIGNED BY:	J. KELLEY		SECTION WRA
						CHECKED BY:	V. KOWALSKI		SHEET NO. 66



BMP 01139 - INFILTRATION BASIN PLAN VIEW

PRINCIPAL SPILLWAY BASELINE (X)

NO.	POINT	STATION	NORTHING	EASTING
1	POB	0+00.00	274420.10	727836.23
2	PI	2+24.71	274378.04	727615.50
3	PI	3+13.42	274417.35	727535.97
4	POE	4+54.88	274557.69	727553.73

POND EMBANKMENT BASELINE (XX)

NO.	POINT	STATION	NORTHING	EASTING
10	PC	10+00.00	274369.97	727767.34
	PI	10+45.07	274342.79	727731.09
RADIUS = 360.00'				
11	PT	10+90.14	274307.48	727702.70
12	PC	11+35.29	274272.30	727674.41
	PI	11+62.93	274243.11	727650.94
RADIUS = 32.00'				
13	PT	11+90.57	274270.85	727625.77
14	PC	12+37.04	274305.26	727594.55
	PI	12+95.78	274348.86	727555.00
RADIUS = 730.00'				
15	PT	13+54.52	274385.56	727508.97
16	PC	13+97.82	274412.55	727475.11
	PI	14+41.24	274504.36	727359.96
RADIUS = 32.00'				
17	PT	14+84.66	274468.62	727502.82
18	PC	15+36.37	274456.07	727552.99
	PI	15+87.55	274443.60	727602.84
RADIUS = 460.00'				
19	PT	16+38.72	274442.43	727654.21
20	PC	17+49.89	274439.91	727765.35
	PI	17+89.50	274437.82	727857.87
RADIUS = 32.00'				
21	PT	18+29.11	274382.32	727783.82

BMP DESIGN SUMMARY

DESIGN STORM	FACILITY INFLOW (CFS)	FACILITY DISCHARGE (CFS)	WATER SURFACE ELEVATION	FACILITY STORAGE (AC-FT)
1-YR (RPv)	5.74	0.00	21.23'	0.094
10-YR (Cv)	13.62	0.00	22.74'	0.770
100-YR (Fv)	28.01	4.16	24.98'	2.003

INFILTRATION RESULTS SUMMARY

NO.	TEST DEPTH (FT)	TEST ELEVATION	GWT ELEVATION	AVG. FIELD RATE (IN/HR)	AVG. DESIGN RATE (IN/HR)
IT-01	6.50	21.00'	19.05'	15.75	9.16
IT-02	6.50	21.00'	18.10'	49.31	
IT-03	6.50	21.00'	17.39'	2.19	
IT-04	6.50	21.00'	18.35'	6.00	

FACILITY NOTES:

1. *DRAINAGE AREA TO FACILITY = 9.971 ACRES*
2. *MANAGEMENT PROVIDED BY FACILITY:*
   - *WATER QUALITY BY INFILTRATION OF RUNOFF FROM 1-YEAR (RPv) STORM*
   - *WATER QUANTITY BY ATTENUATION OF RUNOFF FROM 10-YEAR (Cv) AND 100-YEAR (Fv) STORMS*
3. *ALL WORK PERFORMED TO COMPLETE THE STORMWATER FACILITY SHALL BE DONE IN ACCORDANCE WITH SECTION 910 OF THE STANDARD SPECIFICATIONS.*

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4/4/2025

ADDENDA / REVISIONS

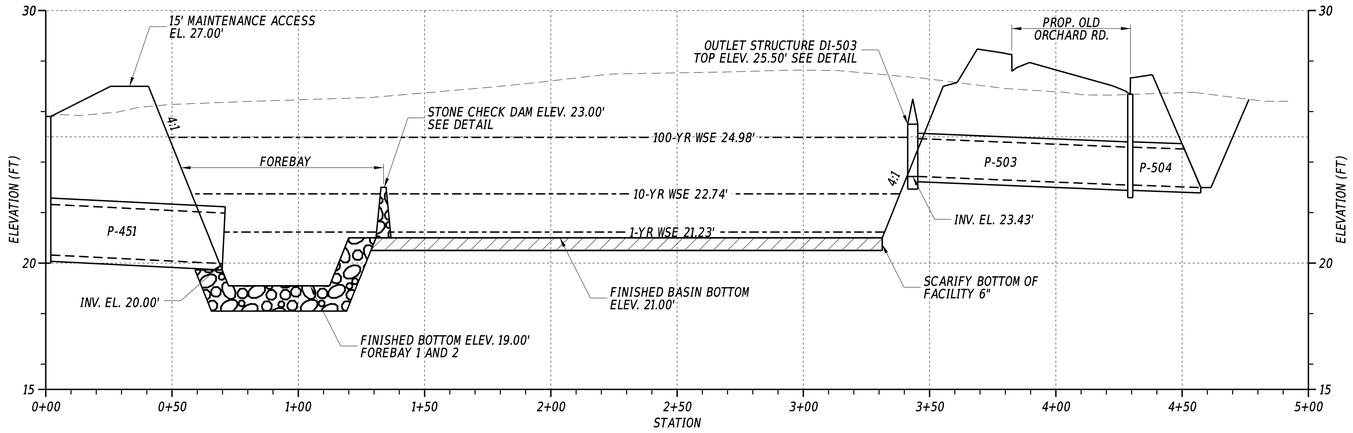
SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY:	J. KELLEY
COUNTY	CHECKED BY:	V. KOWALSKI
SUSSEX		

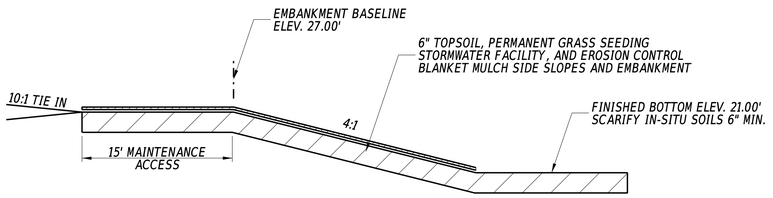
STORMWATER MANAGEMENT PLAN

SW-03
SECTION: WRA
SHEET NO.: 67



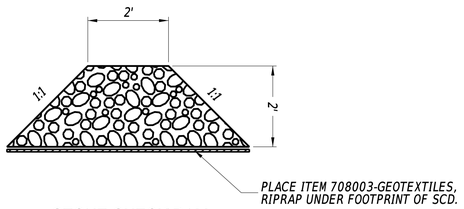
BMP NO. 01139 SPILLWAY PROFILE

HORIZONTAL SCALE 1" = 30'
VERTICAL SCALE 1" = 10'



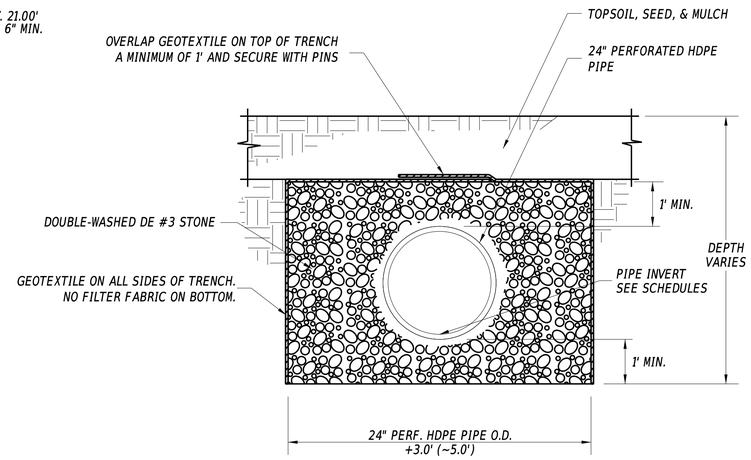
SECTION A-A

NOT TO SCALE



STONE CHECK DAM

NOT TO SCALE



MODIFIED PIPE TRENCH DETAIL

NOT TO SCALE

INFILTRATION BASIN CONSTRUCTION SEQUENCE

NOTIFY THE CCR A MINIMUM OF 2 WORKING DAYS IN ADVANCE OF ANY CONSTRUCTION SO THAT THE REQUIRED FACILITY CONSTRUCTION CHECKLIST CAN BE COMPLETED. THE INFILTRATION BASIN SHALL FUNCTION AS A SEDIMENT BASIN DURING CONSTRUCTION. NO WHEELED OR TRACKED EQUIPMENT SHALL BE ALLOWED WITHIN 2 FEET OF THE PERMANENT BOTTOM ELEVATION.

A. CONSTRUCTION

1. INSTALL STABILIZED CONSTRUCTION ENTRANCE AS SHOWN ON THE CONSTRUCTION PHASING SHEETS.
2. CLEAR AND GRUBB AREA FOR INSTALLATION OF PERIMETER CONTROLS.
3. INSTALL PERIMETER CONTROLS AS SHOWN ON CONSTRUCTION PHASING SHEETS.
4. 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. PAYMENT SHALL BE INCIDENTAL TO 910008.
5. INSTALL SKIMMER DEWATERING DEVICE TO MAINTENANCE DEWATERING ORIFICE.
6. EXCAVATE REMAINING INFILTRATION BASIN AREA TO 2 FEET ABOVE THE FINISHED BASIN
7. BOTTOM ELEVATION.
   SEED ALL DISTURBED AREAS MEETING FINAL ELEVATIONS AND GRADES ABOVE THE
8. PERMANENT BOTTOM ELEVATION WITH TEMPORARY GRASS SEEDING (908017).
   STABILZE ALL BARE AREAS.

B. MAINTENANCE OF INFILTRATION BASIN AS SEDIMENT BASIN

1. INSPECT THE BASIN AFTER EACH RAIN EVENT AND MAKE REPAIRS AS NEEDED.
2. MARK THE CLEANOUT ELEVATION ON A STAKE DRIVEN INTO THE GROUND AT A LOCATION CLEARLY VISIBLE FROM THE FACILITY EMBANKMENT. REMOVE SEDIMENT WHEN CLEANOUT ELEVATION IS REACHED AND DISPOSE OF AT A LOCATION APPROVED BY THE ENGINEER.
3. THE CLEANOUT ELEVATION FOR BMP 01139 IS 24.00'.

C. CONVERSION TO PERMANENT STORMWATER FACILITY:

ALL AREAS DRAINING TO THE FACILITY MUST BE AT FINAL GRADE AND STABILIZED. STABILIZATION SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONVERSION TO PERMANENT INFILTRATION BASIN. AN ONSITE MEETING WILL BE CONDUCTED WITH THE ENGINEER TO DETERMINE THE E&S REQUIREMENTS. ABSOLUTELY NO HEAVY EQUIPMENT SHALL BE ALLOWED WITHIN THE PERMANENT BOTTOM ELEVATION.

1. CONVERT BASIN TO THE PERMANENT STORMWATER FACILITY AFTER ALL AREAS DRAINING TO THE BASIN HAVE ACHIEVED FINAL STABILIZATION AS APPROVED BY THE ENGINEER.
2. IF THERE IS ANY STANDING WATER IN THE BASIN, THE CONTRACTOR SHALL SCHEDULE A MEETING WITH THE ENGINEER TO DETERMINE THE BEST APPROACH
3. FOR COMPLETING CONSTRUCTION.
   REMOVE ANY EXCESS SEDIMENT. THE FINAL 2' OF MATERIAL TO BE EXCAVATED SHALL BE STARTED FROM THE SIDES OF THE BASIN AND REMEVED WORKING ACROSS, OR STARTED FROM THE MIDDLE AND WORKING OUTWARDS. PAYMENT SHALL
4. BE INCIDENTAL TO 910008.
5. SCARIFY THE IN-SITU SOILS ON THE BASIN BOTTOM TO A MINIMUM 6" DEPTH. EMBANKMENT AND SIDE SLOPES SHALL BE TOPSOILED, SEEDED WITH GS-SF (908015), AND MULCHED WITH EROSION CONTROL BLANKET (908020).
6. PERFORM POST-CONSTRUCTION INFILTRATION TESTING IN ACCORDANCE WITH DNREC'S POST CONSTRUCTION STORMWATER BMP STANDARDS AND SPECIFICATIONS.
7. REMOVE E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH APPROVAL FROM THE ENGINEER.

D. AS-BUILT DRAWINGS OF STORMWATER FACILITY

AS-BUILT DRAWINGS WILL BE COMPLETED BY THE CONTRACTOR AND CERTIFIED BY A DELAWARE PLS BEFORE THE DELDOT INITIAL INSPECTION DATE. THESE DRAWINGS SHALL BE SENT TO THE STORMWATER ENGINEER FOR VERIFICATION. AS-BUILT DRAWINGS WILL 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 BASIN.
3. OUTLINE OF ALL RIPRAP AND OBTAIN SPOT ELEVATIONS ON TOP OF THE RIPRAP.
4. OUTLET STRUCTURE (OR WEIR WALL) INVERTS OF ANY AND ALL ORIFICES/WEIRS,
5. TOP OF STRUCTURE, OUTLET PIPE, ETC.
   PRIMARY OUTFLOW PIPE OR CHANNEL. FOR A PIPE OUTFALL, INVERTS AT THE
6. ENTRANCE AND EXIT. FOR A PRIMARY OUTFLOW CHANNEL/SWALE, SHOW AT MINIMUM THREE (3) CROSS SECTIONS EQUAL DISTANCE APART AT 50' DOWNSTREAM ALONG WITH THE SLOPE.

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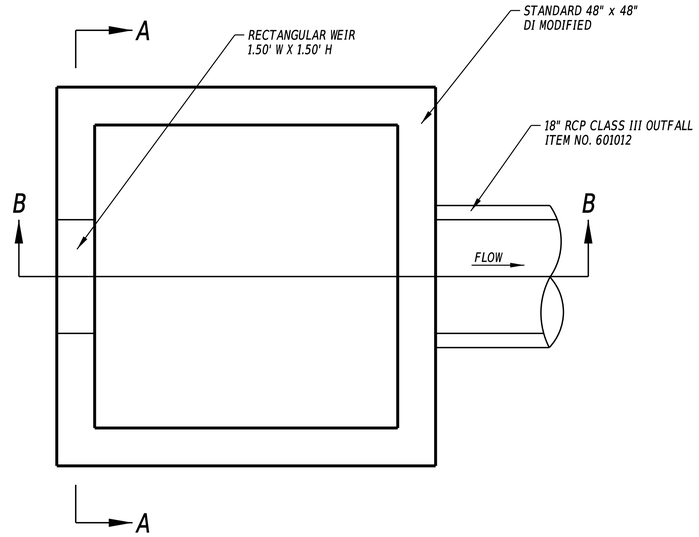
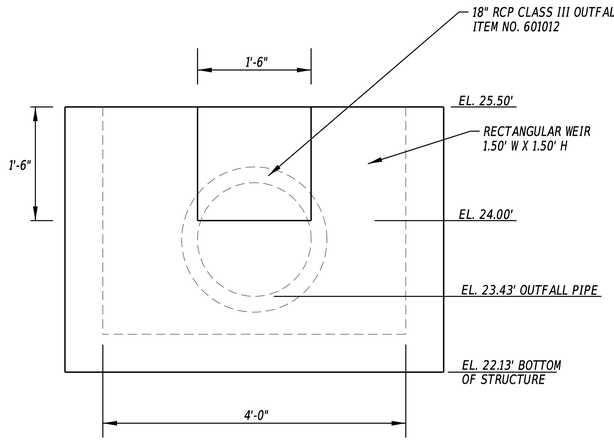
ADDENDA / REVISIONS		SCALE AS NOTED	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT	BRIDGE NO. N/A	STORMWATER MANAGEMENT PLAN	SW-04
				T201609601	DESIGNED BY: J. KELLEY		SECTION
				COUNTY			WRA
				SUSSEX	CHECKED BY: V. KOWALSKI		SHEET NO.
							68



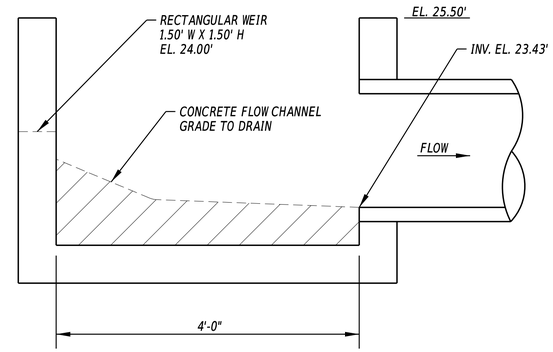
BMP NO. 01139 OUTLET STRUCTURE (DI-503) DETAIL

NOT TO SCALE



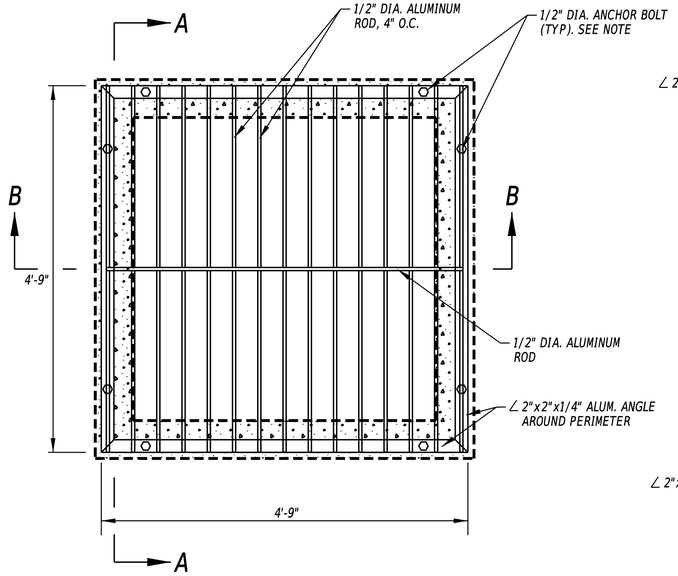
SECTION A-A

NOT TO SCALE



SECTION B-B

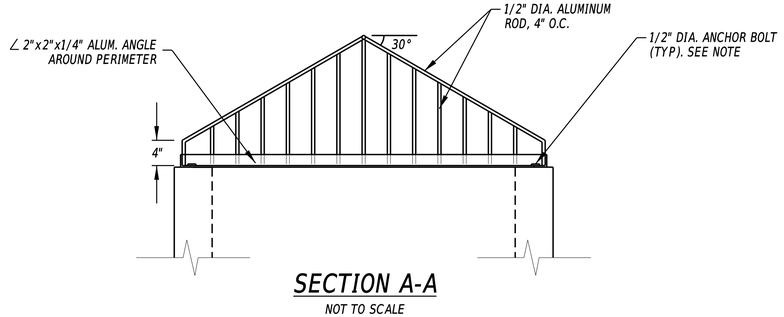
NOT TO SCALE



OVERFLOW TRASH RACK DETAIL

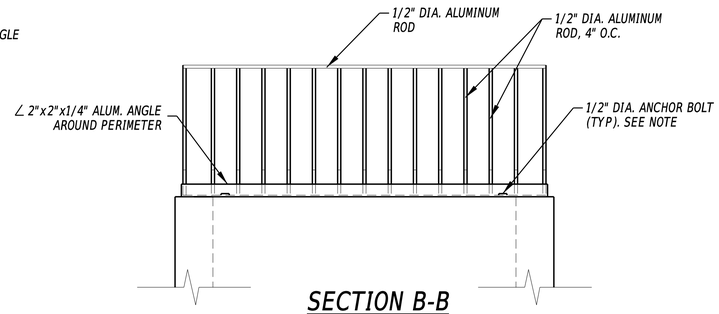
NOT TO SCALE

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.



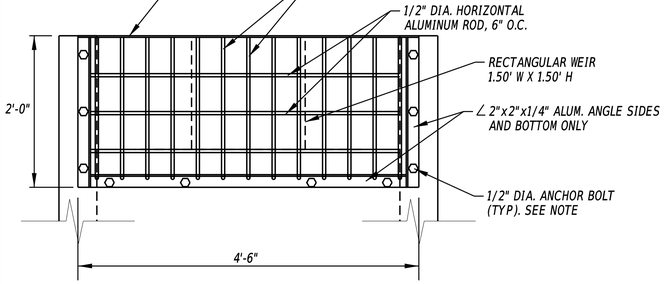
SECTION A-A

NOT TO SCALE



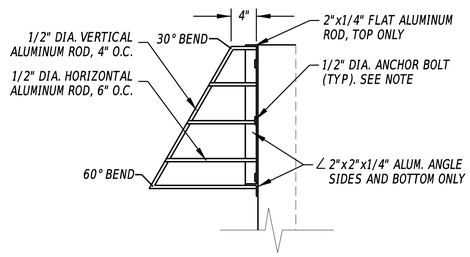
SECTION B-B

NOT TO SCALE



FRONT ELEVATION

NOT TO SCALE



SIDE ELEVATION

NOT TO SCALE

WEIR TRASH RACK DETAIL

NOT TO SCALE

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.

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ADDENDA / REVISIONS		NOT TO SCALE	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT	BRIDGE NO. N/A	STORMWATER MANAGEMENT PLANS	SW-05
				T201609601	DESIGNED BY: J. KELLEY		SECTION WRA
				COUNTY SUSSEX	CHECKED BY: V. KOWALSKI		SHEET NO. 69

ENVIRONMENTAL COMPLIANCE NOTES

1. GENERAL NOTES:

A. THE PURPOSE OF THESE SHEETS 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, THE ENVIRONMENTAL STUDIES SECTION SHALL BE CONTACTED AT (302) 760-2264 TO ALLOW FOR COORDINATION WITH THE APPROPRIATE RESOURCE AGENCIES AND APPROVAL.

C. USE OF THESE SHEETS 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 23**

DNREC - WQC & CZM: ISSUED (PROJECT NOT LOCATED IN A CRW)

* THE PERMITS/APPROVALS LISTED ARE THOSE REQUIRED FOR THIS PROJECT. THE ENVIRONMENTAL STUDIES SECTION IS RESPONSIBLE FOR COORDINATING AND/OR OBTAINING THIS APPROVAL.

** THE CONTRACTOR MUST ENSURE THAT THESE PERMITS/APPROVALS ARE IN THEIR POSSESSION PRIOR TO BEGINNING CONSTRUCTION IN THE PERMITTED AREA(S) AND ENSURE IT IS DISPLAYED ON-SITE DURING THE ENTIRE CONSTRUCTION PERIOD.

B. CONSTRUCTION RESTRICTIONS:

FISHERIES - NONE

ENDANGERED SPECIES - NONE

MIGRATORY BIRDS - NONE

3. CULTURAL RESOURCE ISSUES: AN ARCHITECTURAL SURVEY WAS CONDUCTED OF THE PROJECT AREA AND SEVEN PROPERTIES WERE EVALUATED FOR THEIR ELIGIBILITY FOR THE NRHP. SHPO CONCURRED THAT NONE OF THE PROPERTIES WERE ELIGIBLE FOR THE NRHP (7/15/2020). ONE PREVIOUSLY IDENTIFIED ARCHAEOLOGICAL SITE WAS LOCATED WITHIN THE APE AND SHPO CONCURRED THE SITE WAS NOT ELIGIBLE (2/23/2021). A FINDING OF NO HISTORIC PROPERTIES EFFECTED WAS SUBMITTED ON MAY 13, 2021 AND THEIR CONCURRENCE OBTAINED ON JUNE 9, 2021.

4. 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. SANDBAGSAND CFL'S (AND CONTENTS) MUST BE REMOVED IN THEIR ENTIRETY WHEN NO LONGER NEEDED. SANDBAGS/CFL USED TO SECURE THE SILT FENCE IS INCIDENTAL TO ITEM 905001 - SILT FENCE. THE ENVIRONMENTAL STUDIES SECTION (302- 760-2278 OR DOT_ENVIRONMENTALSTUDIES@DELAWARE.GOV) CAN PROVIDE FURTHER GUIDANCE REGARDING THIS METHOD OF INSTALLATION.

5. MITIGATION: NONE. LOSSES LESS THAN 0.10 ACRE.

PERMANENT WETLAND IMPACT AREA SCHEDULE

SHEET	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION	LOSS VS. IMPACT
EC-02	ROADWAY GRADING & CURB OPENING	864.13	0.0198	N/A	USACE	LOSS
TOTAL PERMANENT WETLAND IMPACTS		864.13	0.0198	N/A	USACE	

TEMPORARY WETLAND IMPACT AREA SCHEDULE

SHEET	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION
EC-02	REINFORCED SILT FENCE	171.43	0.0039	N/A	USACE
TOTAL TEMPORARY WETLAND IMPACTS		171.43	0.0039	N/A	USACE

NOTES:

WETLANDS DELINEATED BY WHITMAN, REQUARDT & ASSOCIATES ON DECEMBER 12, 2018 IN ACCORDANCE WITH THE 1987 CORPS OF ENGINEERS MANUAL AND THE 2012 ATLANTIC AND GULF COASTAL PLAIN REGIONAL SUPPLEMENT.

SHEETS PREPARED BY: WHITMAN, REQUARDT & ASSOCIATES, LLP
DATE: MARCH 17, 2021
LAST UPDATED: AUGUST 12, 2024

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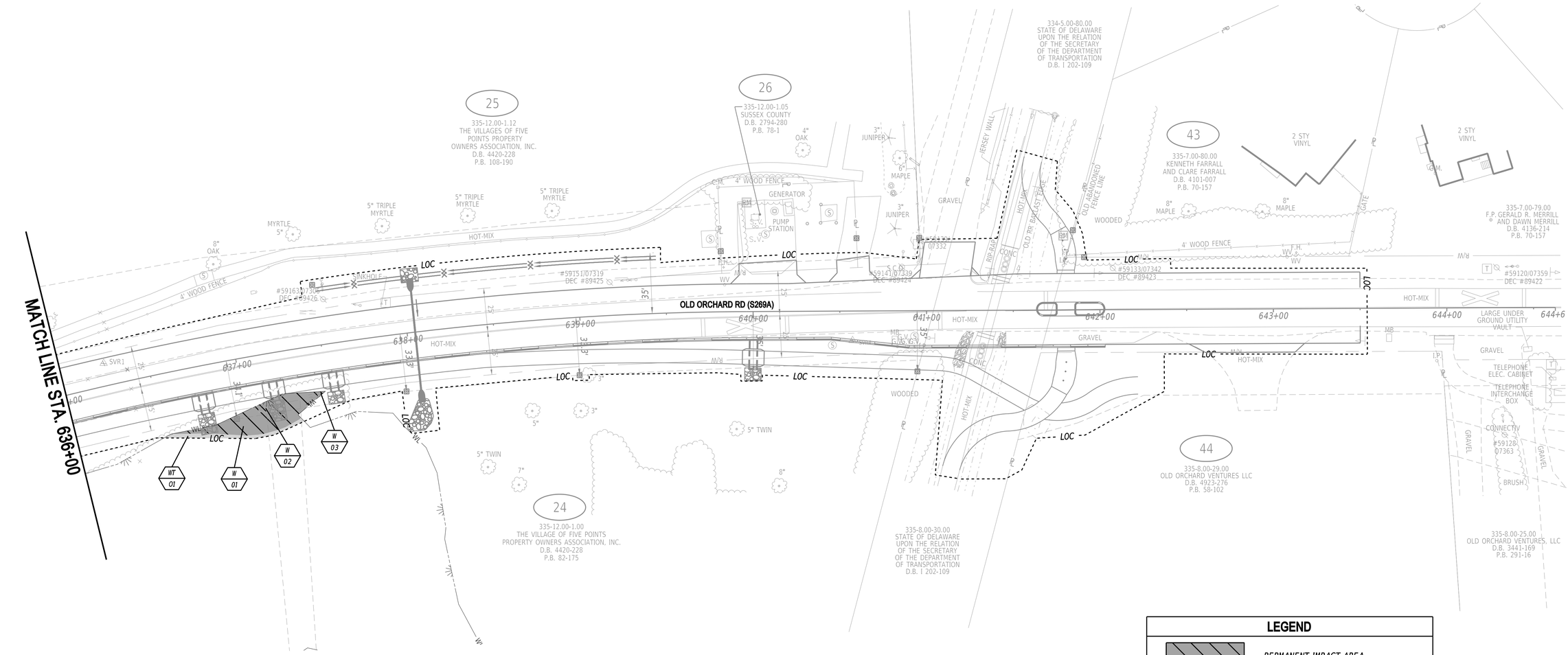
ADDENDA / REVISIONS		NOT TO SCALE	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	ENVIRONMENTAL COMPLIANCE PLANS	EC-01
				COUNTY SUSSEX	DESIGNED BY: L. CALLENS		SECTION WRA
					CHECKED BY: V. KOWALSKI		SHEET NO. 70



PERMANENT WETLAND IMPACT AREA SCHEDULE

ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION	LOSS VS. IMPACT
W-01	ROADWAY GRADING	814.21	0.0187	N/A	USACE	LOSS
W-02	CONCRETE CURB OPENING	41.98	0.0010	N/A	USACE	LOSS
W-03	CONCRETE CURB OPENING	7.94	0.0002	N/A	USACE	LOSS
TOTAL FOR THIS SHEET		864.13	0.0198	N/A	USACE	

TEMPORARY WETLAND IMPACT AREA SCHEDULE

ID	IMPACT DESCRIPTION	AREA (SF)	AREA (AC)	VOLUME (CY)	JURISDICTION
WT-01	REINFORCED SILT FENCE	171.43	0.0039	N/A	USACE
TOTAL FOR THIS SHEET		171.43	0.0039	N/A	USACE

LEGEND

- PERMANENT IMPACT AREA
- TEMPORARY IMPACT AREA
- WL – WETLAND BOUNDARY
- XX / ?X — IMPACT AREA TYPE ID. (SEE BELOW) / IMPACT AREA ID. AND/OR NUMBER
- W = WETLAND IMPACT
- T = TEMPORARY IMPACT

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	T201609601	BRIDGE NO.	N/A
COUNTY	SUSSEX	DESIGNED BY:	L. CALLENS
		CHECKED BY:	V. KOWALSKI

ENVIRONMENTAL COMPLIANCE PLANS

EC-02
SECTION WRA
SHEET NO. 71

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GENERAL TRAFFIC CONTROL 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. MAINTENANCE OF TRAFFIC DURING LANE CLOSURES AND LANE SHIFTS SHALL CONFORM TO THE FOLLOWING TYPICAL APPLICATIONS OF THE DELAWARE MUTCD:
   - TA-3 - WORK ON THE SHOULDER OF A TWO- LANE ROAD
   - TA-6 - SHOULDER WORK WITH MINOR ENCROACHMENT
   - TA-10 - LANE CLOSURE ON A TWO- LANE ROAD USING FLAGGERS
   - TA-11B - LANE DIVERSION ON A TWO- LANE ROAD WITH LOW TRAFFIC VOLUMES
   - TA-13 - TEMPORARY ROAD CLOSURE
   - TA-21A - TURN LANE CLOSURE ON THE NEAR SIDE OF AN INTERSECTION
   - TA-27 - CLOSURE AT THE SIDE OR CENTER OF AN INTERSECTION

   THE CONTRACTOR SHALL ADD THE BICYCLE IN LANE WARNING SIGN (W11-1-DE) TO THE TYPICAL APPLICATION SIGN STACK DURING WORK THAT RESTRICTS USE OF EXISTING SHOULDERS OR BIKE LANES.

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. 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 CONTRACT DOCUMENTS OR APPROVED BY THE ENGINEER. PAYMENT FOR COLD PATCH, BITUMINOUS CONCRETE OR BITUMINOUS CONCRETE WEDGE SHALL BE PAID AS NOTED IN THE CONTRACT 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 UNRAVELING:

   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 TRAVEL WAY, 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.

5. THE CONTRACTOR SHALL PROVIDE ONE TRAFFIC OFFICER FOR ANY OPERATION WHERE AN EXISTING SIGNALIZED INTERSECTION IS PLACED IN FLASH MODE. THE TRAFFIC OFFICER IS THE ONLY INDIVIDUAL THAT CAN PLACE A TRAFFIC SIGNAL IN FLASH MODE, AND THE TRAFFIC OFFICER SHALL STAY ON LOCATION UNTIL THE SIGNAL IS PLACED BACK IN STOP-AND-GO OPERATION IN ACCORDANCE WITH DELDOT'S TEMPORARY TRAFFIC CONTROL WITHIN INTERSECTIONS MEMORANDUM (WWW.MUTCD.DELDOT.GOV)

6. THE CONTRACTOR SHOULD PROVIDE ONE TRAFFIC OFFICER FOR CLOSURES OF ANY ROAD OR RAMP AT EACH CLOSURE POINT SHOWN IN THE APPLICABLE DETOUR PLANS. THE TRAFFIC OFFICER SHALL BE PLACED BEHIND THE CLOSURE BARRICADE WITH THE FRONT OF THE VEHICLE FACING APPROACHING TRAFFIC AND ALL EMERGENCY LIGHTS SHALL BE ACTIVATED. THE TRAFFIC OFFICER SHALL PROVIDE A REPORT TO THE ENGINEER AT THE END OF THE DAY'S ACTIVITY IDENTIFYING THE NUMBER OF VEHICLES THAT ATTEMPTED TO DISREGARD THE DETOUR.

7. ADDITIONAL USAGE OF TRAFFIC OFFICERS OUTSIDE OF THE ABOVE REQUIREMENTS SHALL BE APPROVED BY THE ENGINEER IN CONSULTATION WITH THE TRAFFIC SAFETY SECTION.

8. 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 ROAD OR RAMP.

9. THE CONTRACTOR SHALL RESTORE ALL CROSS PIPE TRENCHES UTILIZING STANDARD DETAIL P-4 INCLUDING THE 2" MIN TYPE C, 1' SETBACK TO ENSURE RIDEABLITY UNTIL FINAL SURFACE IS INSTALLED.

10. THE CONTRACTOR SHALL COORDINATE WITH DELDOT TRAFFIC TO SCHEDULE TEMPORARY SIGNAL ADJUSTMENTS AS NOTED ON THE CONSTRUCTION PHASING AND TEMPORARY SIGNAL PLANS. THE CONTACT PERSON FOR DELDOT TRAFFIC IS THE SIGNAL CONSTRUCTION MANAGER, PHONE NO. 302-222-5920.

11. THE CONTRACTOR SHALL ONLY EXIT WORK AREAS VIA STABILIZED CONSTRUCTION ENTRANCES.

12. THE CONTRACTOR SHALL CONTACT THE HAULING PERMIT OFFICE AT 302-744-2700 FOR DELDOT'S OVERSIZE OVERWEIGHT PERMIT SYSTEM TO REQUEST POSTING ANY LANE RESTRICTIONS OR ROAD CLOSURES ON THE TEMPORARY ROUTE RESTRICTIONS WEB PAGE AT LEAST TWO WEEKS IN ADVANCE OF THE IMPLEMENTATION OF NEW TRAFFIC PATTERNS.

13. ALLOWABLE LANE CLOSURE HOURS FOR ALL THROUGH AND AUXILIARY/TURNING LANES SHALL CONFORM TO THE ALLOWABLE LANE CLOSURE HOURS MATRICES BELOW.

ALLOWABLE LANE & TURN LANE CLOSURE HOURS
OLD ORCHARD 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	■	■	■	■	■	■	■	■											■	■	■	■	■	■

■ FLAGGER OPERATIONS PERMITTED
□ ALL LANES OPEN

ALLOWABLE LANE & TURN LANE CLOSURE HOURS
SAVANNAH ROAD / WESCOATS 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	■	■	■	■	■	■	■	■															■	■

■ FLAGGER OPERATIONS PERMITTED
□ ALL LANES OPEN

ALLOWABLE LANE & TURN LANE CLOSURE HOURS
CLAY 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	■	■	■	■	■	■	■	■															■	■

■ FLAGGER OPERATIONS PERMITTED
□ ALL LANES OPEN

NOTE: NO LANE CLOSURE RESTRICTIONS FOR CLAY ROAD DURING PHASES 7 AND 10.

ALLOWABLE LANE & TURN LANE CLOSURE HOURS
MARSH 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	■	■	■	■	■	■	■	■															■	■

■ FLAGGER OPERATIONS PERMITTED
□ ALL LANES OPEN

NOTES: NO LANE CLOSURE RESTRICTIONS FOR EAST LEG OF MARSH ROAD DURING PHASE 8
NO LANE CLOSURE RESTRICTIONS FOR WEST LEG OF MARSH ROAD DURING PHASE 9

TIMING AND SEQUENCING NOTES

1. PHASES 1 THROUGH 6 SHALL BE COMPLETED SEQUENTIALLY AS SHOWN IN THE M.O.T. PLANS. PHASE 7 (CLAY ROAD/MARSH ROAD CLOSURE/DETOUR) MAY BE IMPLEMENTED CONCURRENTLY WITH PHASES 1-6. PHASE 8 SHALL NOT COMMENCE UNTIL PHASE 6 IS SUBSTANTIALLY COMPLETE.

2. THE PHASE 4 CLOSURE AND DETOUR OF OLD ORCHARD ROAD HAS BEEN ALLOTTED 35 CALENDAR DAYS. ROAD USER COSTS WILL BE ASSESSED FOR FAILURE TO OPEN OLD ORCHARD ROAD WITHIN 35 CALENDAR DAYS.

3. THE PHASE 7 CLOSURE AND DETOUR OF CLAY ROAD HAS BEEN ALLOTTED 180 CALENDAR DAYS. ROAD USER COSTS WILL BE ASSESSED FOR FAILURE TO OPEN CLAY ROAD WITHIN 180 CALENDAR DAYS.

4. THE WESCOATS ROAD NORTHBOUND CLOSURE AND DETOUR SPANNING PHASES 8 THROUGH 10 HAS BEEN ALLOTTED 310 CALENDAR DAYS. ROAD USER COSTS WILL BE ASSESSED FOR FAILURE TO OPEN NORTHBOUND WESCOATS ROAD WITHIN 310 CALENDAR DAYS.

CONSTRUCTION PHASING & M.O.T	
	BARRICADE, TYPE 3
	CONCRETE SAFETY BARRIER - PORTABLE
	TEMPORARY IMPACT ATTENUATOR
	CONSTRUCTION WARNING SIGN LOCATION
END ROAD WORK	CONSTRUCTION WARNING SIGN
	CRASH CUSHION ARRAY
	DRUM - TRAFFIC CONTROL
	FLAGGER LOCATION
PHASE 1	PHASING TRAFFIC FLOW ARROW
SF XXX	SILT FENCE / LENGTH
SF	SILT FENCE
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TRUCK WITH MOUNTED ATTENUATOR
	WORK AREA - ACTIVE PHASE
	TEMPORARY PAVEMENT

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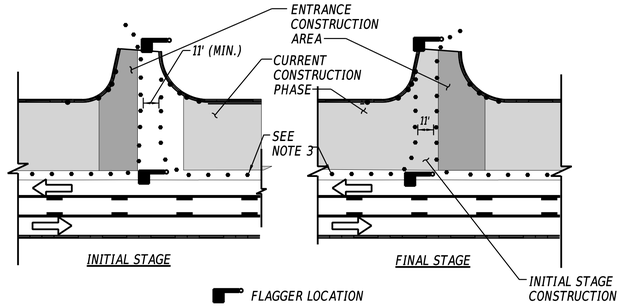
ADDENDA / REVISIONS		NOT TO SCALE	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT	T201609601	BRIDGE NO.	N/A	GENERAL TRAFFIC CONTROL NOTES	SECTION	WRA
				COUNTY	SUSSEX	DESIGNED BY:	J. SINCLAIR		SHEET NO.	72
						CHECKED BY:	K. CLEVENGER			

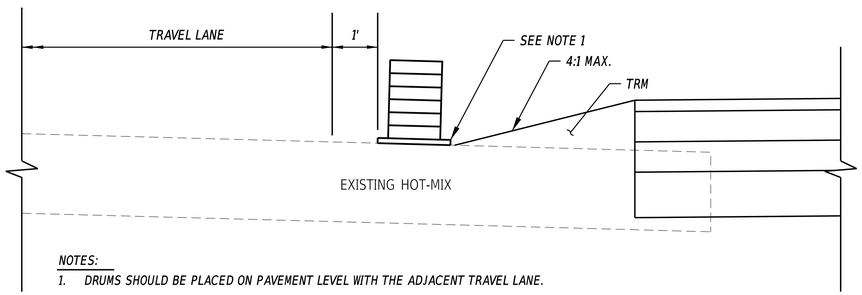


TYPICAL DRIVEWAY/ ENTRANCE RECONSTRUCTION

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, DURING DAYLIGHT HOURS ONLY, 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 11' ON EDGE, 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 DELDOT TRAFFIC ENGINEER OR DESIGNEE.

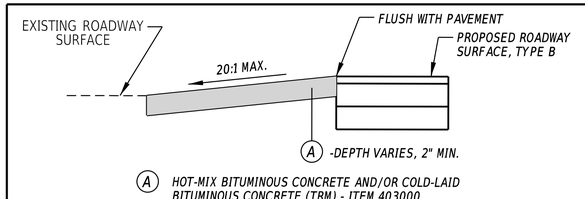


NOTES:

1. DRUMS SHOULD BE PLACED ON PAVEMENT LEVEL WITH THE ADJACENT TRAVEL LANE.

TYPICAL DRUM PLACEMENT DETAIL

NOT TO SCALE

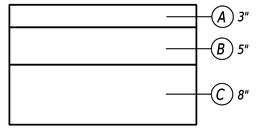


NOTES:

1. THE MAXIMUM TRANSVERSE SLOPE SHALL BE 20:1.

TEMPORARY PAVEMENT TRANSITION DETAIL

NOT TO SCALE



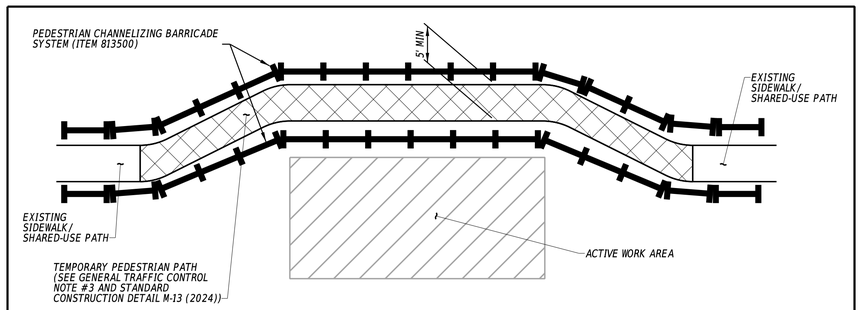
A ITEM 401029 - SUPERPAVE, TYPE C, PG 64-22, PATCHING

B ITEM 401030 - SUPERPAVE, TYPE B, PG 64-22, PATCHING

C ITEM 301002 - GRADED AGGREGATE BASE COURSE, PATCHING

TEMPORARY PAVEMENT DETAIL

NOT TO SCALE



TEMPORARY PEDESTRIAN PATH DETAIL

NOT TO SCALE

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ADDENDA / REVISIONS		NOT TO SCALE	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT	BRIDGE NO. N/A	GENERAL TRAFFIC CONTROL NOTES	SECTION
				T201609601	DESIGNED BY: J. SINCLAIR		WRA
				COUNTY	CHECKED BY: K. CLEVENGER		SHEET NO.
				SUSSEX			73

GENERAL E&S SEQUENCE NOTES (FOR ALL PHASES)

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 (FOR DETAILED PLAN) OR FOR 1 YEAR FOR A STANDARD PLAN (PICK ONE). IF THE FINAL ACCEPTANCE OF THE PROJECT IS ANTICIPATED TO EXTEND BEYOND THE FIVE YEARS, NOTIFY THE ENGINEER THREE MONTHS PRIOR TO THE EXPIRATION (DETAILED PLAN ONLY). ANY DEVIATIONS TO THE SWPPP NEED APPROVAL FROM THE ENGINEER.

DELDOT STORMWATER ENGINEER — DATE: 9/3/2024

"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	18.0 AC
ADDED IMPERVIOUS FOR THE PROJECT	178,596 SF (4.10 AC)
HUC-10 WATERSHED	BROADKILL RIVER - DELAWARE BAY

2. 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.
3. 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.
4. REVISIONS TO THE SWPPP OR ENVIRONMENTAL COMPLIANCE PLAN SHEET(S) SHALL BE APPROVED PRIOR TO INITIATION IN THE FIELD. THE ENGINEER IS RESPONSIBLE FOR APPROVING ALL REDLINES AND REVISIONS TO THE SWPPP.
5. 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.
6. 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.
7. 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.
8. 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.
9. 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.
10. FOR ANY PERMANENT STORMWATER MANAGEMENT FACILITY, FOLLOW THAT FACILITY'S SEQUENCE OF CONSTRUCTION AS NOTED ON THE STORMWATER MANAGEMENT SHEETS.
11. SELECT APPLICABLE DISTURBANCE NOTE PER SWM APPROVAL:
    - A. 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.
    - B. THE E&S FOR THIS PROJECT HAS BEEN DESIGNED TO MITIGATE RUNOFF FORM 2-YEAR BARE EARTH CONDITION PER SECTION 4.4.2.1 OF DSSR.
    - C. PER SIDEWALK, TRAIL, OR OTHER LINEAR IMPERVIOUS SURFACES STANDARD PLAN APPROVAL, NO MORE THAN 1.0 ACRE 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.
    - D. PER MINOR BRIDGE AND CULVERT CONSTRUCTION STANDARD PLAN APPROVAL, THE TOTAL DISTURBED AREA FOR CONSTRUCTION OF THE IMPROVEMENTS NOT TO EXCEED 1.0 ACRE.
    - E. PER BMP CONSTRUCTION AND RETROFIT STANDARD PLAN APPROVAL, THE TOTAL LAND DISTURBANCE WILL NOT EXCEED 5.0 ACRES.
    - F. PER DEMOLITION STANDARD PLAN APPROVAL. NO MORE THAN 1.0 ACRE 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.
12. 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.

GENERAL EROSION AND SEDIMENT CONTROL (E&S) NOTES

1. 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.
2. 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.
3. ESTABLISH CONSTRUCTION STAGING AREAS AND INSTALL E&S CONTROLS.
4. ONCE PERIMETER E&S CONTROLS ARE INSTALLED, THEY SHALL BE INSPECTED AND APPROVED BY THE ENGINEER BEFORE ANY OTHER LAND DISTURBING ACTIVITIES CAN BEGIN.
5. INTERIOR EROSION AND SEDIMENT CONTROL ITEMS SHALL BE PLACED AS PER PLAN.
6. NOTIFY THE ENGINEER 48 HOURS BEFORE CONSTRUCTION OF ALL STORMWATER MANAGEMENT FACILITY COMPONENTS IN ACCORDANCE WITH THE STORMWATER MANAGEMENT SHEET FACILITY CONSTRUCTION SEQUENCE.
7. 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.
8. COMPLETE PERMANENT STABILIZATION WITHIN SEVEN (7) CALENDAR DAYS UPON REACHING FINAL GRADE.
9. DO NOT REMOVE E&S DEVICES UNLESS DIRECTED BY THE ENGINEER.

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

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ADDENDA / REVISIONS	

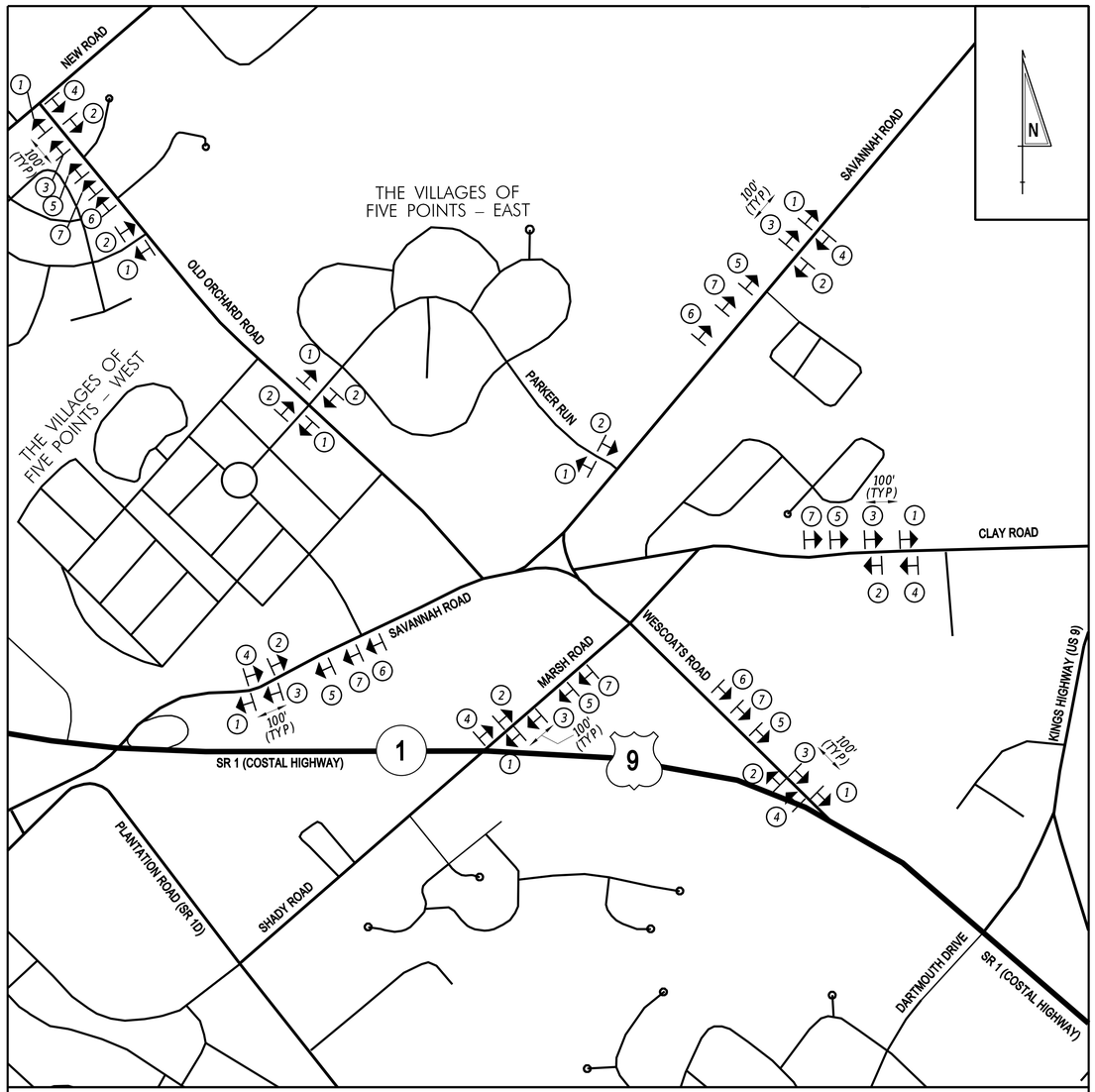
NOT TO SCALE

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	T201609601
COUNTY	SUSSEX
BRIDGE NO.	N/A
DESIGNED BY:	J. SINCLAIR
CHECKED BY:	K. CLEVENGER

EROSION CONTROL NOTES

SECTION	WRA
SHEET NO.	74

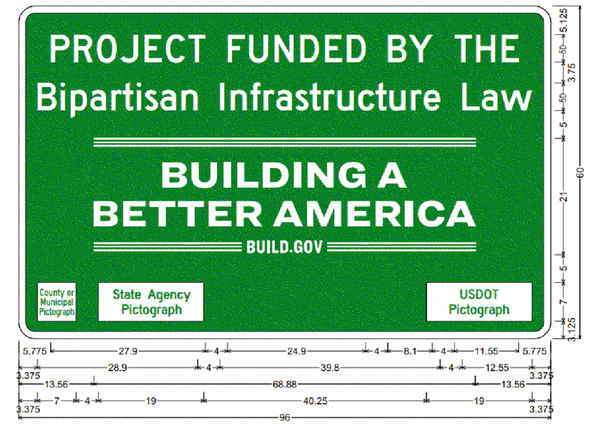


WARNING SIGN LEGEND

ROAD WORK AHEAD	END ROAD WORK	BEGIN HIGHER FINES ZONE	END HIGHER FINES ZONE	PCMS BOARD	PROJECT FUNDED BY THE Bipartisan Infrastructure Law BUILDING A BETTER AMERICA	
W20-1 48"x48"	G20-2 48"x24"	R2-10 36"x48"	R2-11 36"x48"	SEE NOTE 4	SEE NOTE 5	W 11-10 48"x48" (SEE NOTE 6)
(1)	(2)	(3)	(4)	(5)	(6)	(7)

TRAFFIC CONTROL NOTES:

1. *ALL WARNING SIGNS SHOWN ON THIS SHEET ARE TO BE DISPLAYED THROUGHOUT THE DURATION OF THE CONTRACT AND ARE TO BE PAID UNDER ITEM 810001 - TEMPORARY WARNING SIGNS AND PLAQUES.*
2. *SEE INDIVIDUAL PHASING PLANS FOR PLACEMENT OF TEMPORARY WARNING SIGNS. THE CONTRACTOR SHALL LAY OUT SIGN LOCATIONS FOR APPROVAL BY THE ENGINEER PRIOR TO INSTALLATION. THE COVERING OF ANY CONFLICTING SIGNS SHALL BE INCIDENTAL TO ITEM 810001 - TEMPORARY WARNING SIGNS AND PLAQUES.*
3. *DELDOT TRAFFIC SAFETY RESERVES THE RIGHT TO MODIFY THE TRAFFIC CONTROL AS FIELD CONDITIONS DICTATE.*
4. *THE CONTRACTOR SHALL INSTALL A PORTABLE CHANGEABLE MESSAGE SIGN 10 DAYS PRIOR TO EACH PATTERN CHANGE WITH THE MESSAGE: "NEW TRAFFIC PATTERN / STARTING MM/DD/YY" AND MAINTAIN THE PCMS FOR 5 DAYS AFTER THE PHASE CHANGE WITH THE MESSAGE: "CAUTION / NEW TRAFFIC PATTERN." THE CONTRACTOR SHALL OBTAIN FINAL APPROVAL OF PCMS BOARD LOCATIONS AND MESSAGES WITH DELDOT'S SOUTH DISTRICT SAFETY OFFICER.*
5. *FABRICATION, SUPPLY AND INSTALLATION OF "BIPARTISAN INFRASTRUCTURE LAW" SIGNAGE TO BE PAID UNDER ITEM 810001 - TEMPORARY WARNING SIGNS AND PLAQUES. SEE SIGN FABRICATION DETAIL BELOW.*
6. *THE CONTRACTOR SHALL INSTALL W11-10 "TRUCK" SIGNS APPROXIMATELY 350' IN ADVANCE OF STABILIZED CONSTRUCTION ENTRANCES AND/OR STAGING/STOCKPILING AREAS. LOCATIONS SHOWN ON THIS PLAN ARE APPROXIMATE AND SHALL BE ADJUSTED BY THE CONTRACTOR WHEN CONSTRUCTION ACCESS POINTS ARE ESTABLISHED.*



BIPARTISAN INFRASTRUCTURE LAW SIGN FABRICATION DETAIL

ADDENDA / REVISIONS		NOT TO SCALE	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT	T201609601	BRIDGE NO.	N/A	WARNING SIGN LOCATION PLAN	SECTION	WRA
				COUNTY	SUSSEX	DESIGNED BY:	J. SINCLAIR		SHEET NO.	75
						CHECKED BY:	K. CLEVENGER			

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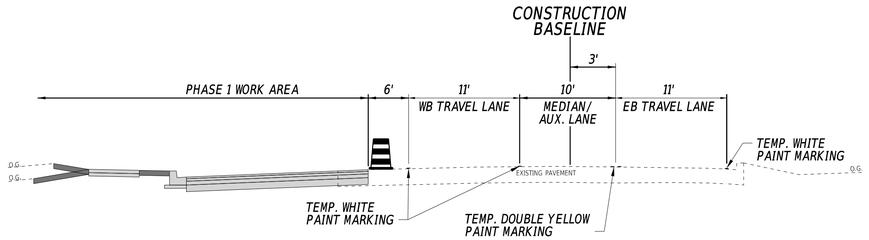
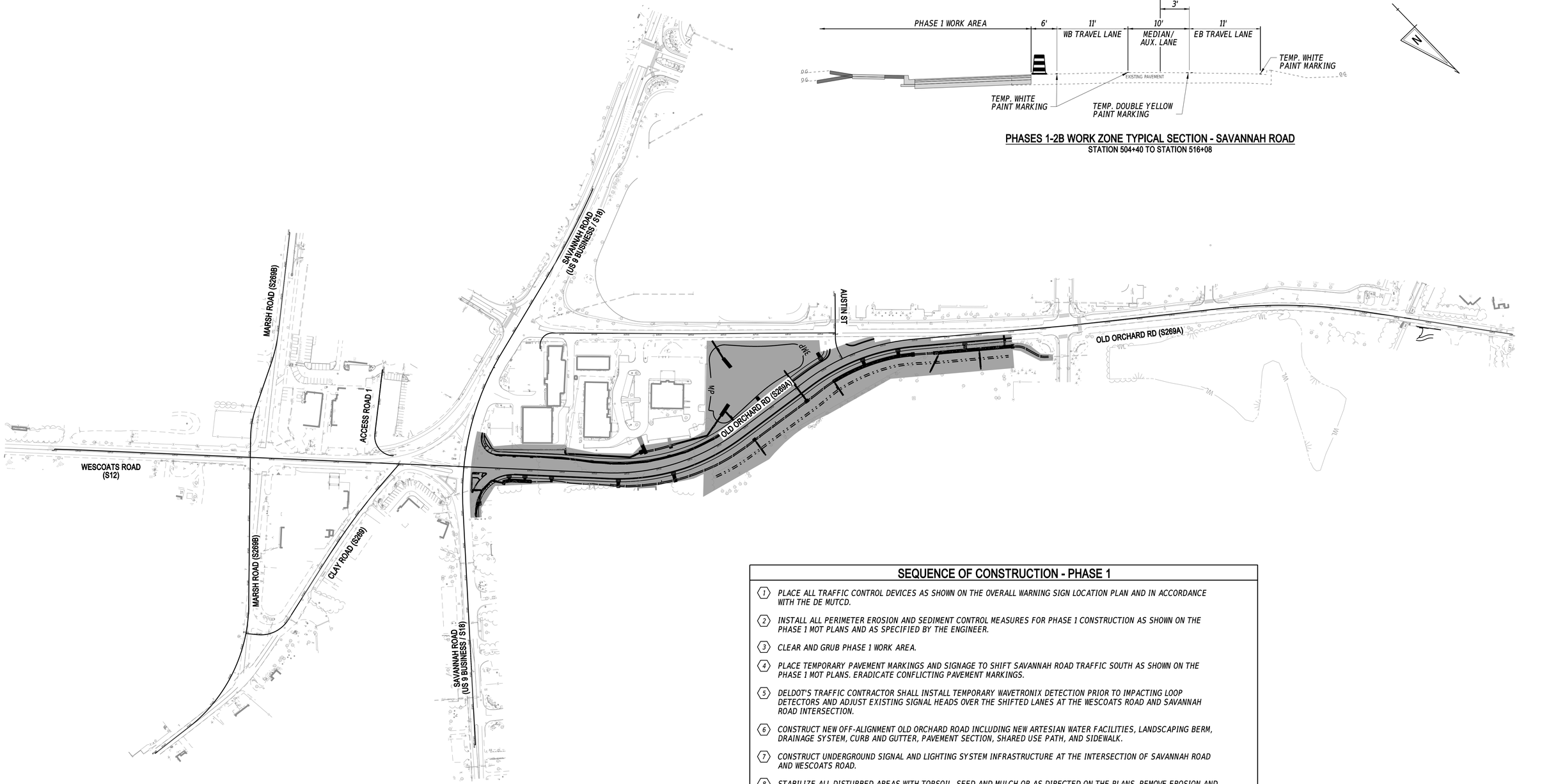


PHASES 1-2B WORK ZONE TYPICAL SECTION - SAVANNAH ROAD

STATION 504+40 TO STATION 516+08



SEQUENCE OF CONSTRUCTION - PHASE 1

1. PLACE ALL TRAFFIC CONTROL DEVICES AS SHOWN ON THE OVERALL WARNING SIGN LOCATION PLAN AND IN ACCORDANCE WITH THE DE MUTCD.
2. INSTALL ALL PERIMETER EROSION AND SEDIMENT CONTROL MEASURES FOR PHASE 1 CONSTRUCTION AS SHOWN ON THE PHASE 1 MOT PLANS AND AS SPECIFIED BY THE ENGINEER.
3. CLEAR AND GRUB PHASE 1 WORK AREA.
4. PLACE TEMPORARY PAVEMENT MARKINGS AND SIGNAGE TO SHIFT SAVANNAH ROAD TRAFFIC SOUTH AS SHOWN ON THE PHASE 1 MOT PLANS. ERADICATE CONFLICTING PAVEMENT MARKINGS.
5. DELDOT'S TRAFFIC CONTRACTOR SHALL INSTALL TEMPORARY WAVETRONIX DETECTION PRIOR TO IMPACTING LOOP DETECTORS AND ADJUST EXISTING SIGNAL HEADS OVER THE SHIFTED LANES AT THE WESCOATS ROAD AND SAVANNAH ROAD INTERSECTION.
6. CONSTRUCT NEW OFF-ALIGNMENT OLD ORCHARD ROAD INCLUDING NEW ARTESIAN WATER FACILITIES, LANDSCAPING BERM, DRAINAGE SYSTEM, CURB AND GUTTER, PAVEMENT SECTION, SHARED USE PATH, AND SIDEWALK.
7. CONSTRUCT UNDERGROUND SIGNAL AND LIGHTING SYSTEM INFRASTRUCTURE AT THE INTERSECTION OF SAVANNAH ROAD AND WESCOATS ROAD.
8. STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH OR AS DIRECTED ON THE PLANS. REMOVE EROSION AND SEDIMENT CONTROL DEVICES WITH CONCURRENCE FROM THE STORMWATER ENGINEER.

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ADDENDA / REVISIONS	

SCALE
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FEET

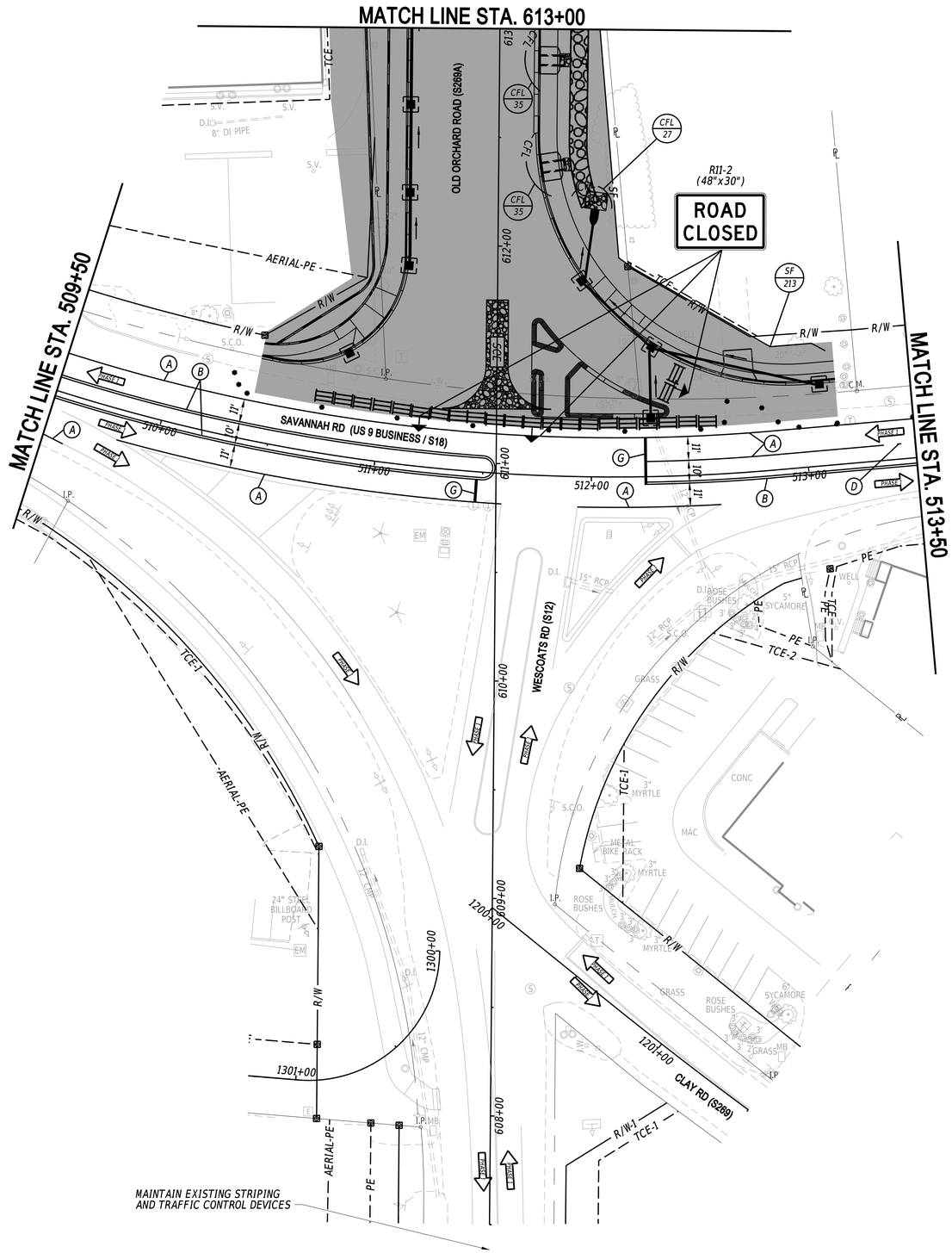
REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY:	J. SINCLAIR
COUNTY	CHECKED BY:	K. CLEVENGER
SUSSEX		

CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 1

SECTION
WRA
SHEET NO.
76

TEMPORARY PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	760 LF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID DOUBLE LINE (ITEM 817042)	1,080 LF
(D)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 6' GAP (ITEM 817042)	2 LF
(G)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 817002)	45 SF
	REMOVAL OF PAVEMENT STRIPING (ITEM 817031)	966 SF



ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 1	SECTION WRA
				COUNTY SUSSEX	DESIGNED BY: J. SINCLAIR		SHEET NO. 77
					CHECKED BY: K. CLEVENGER		

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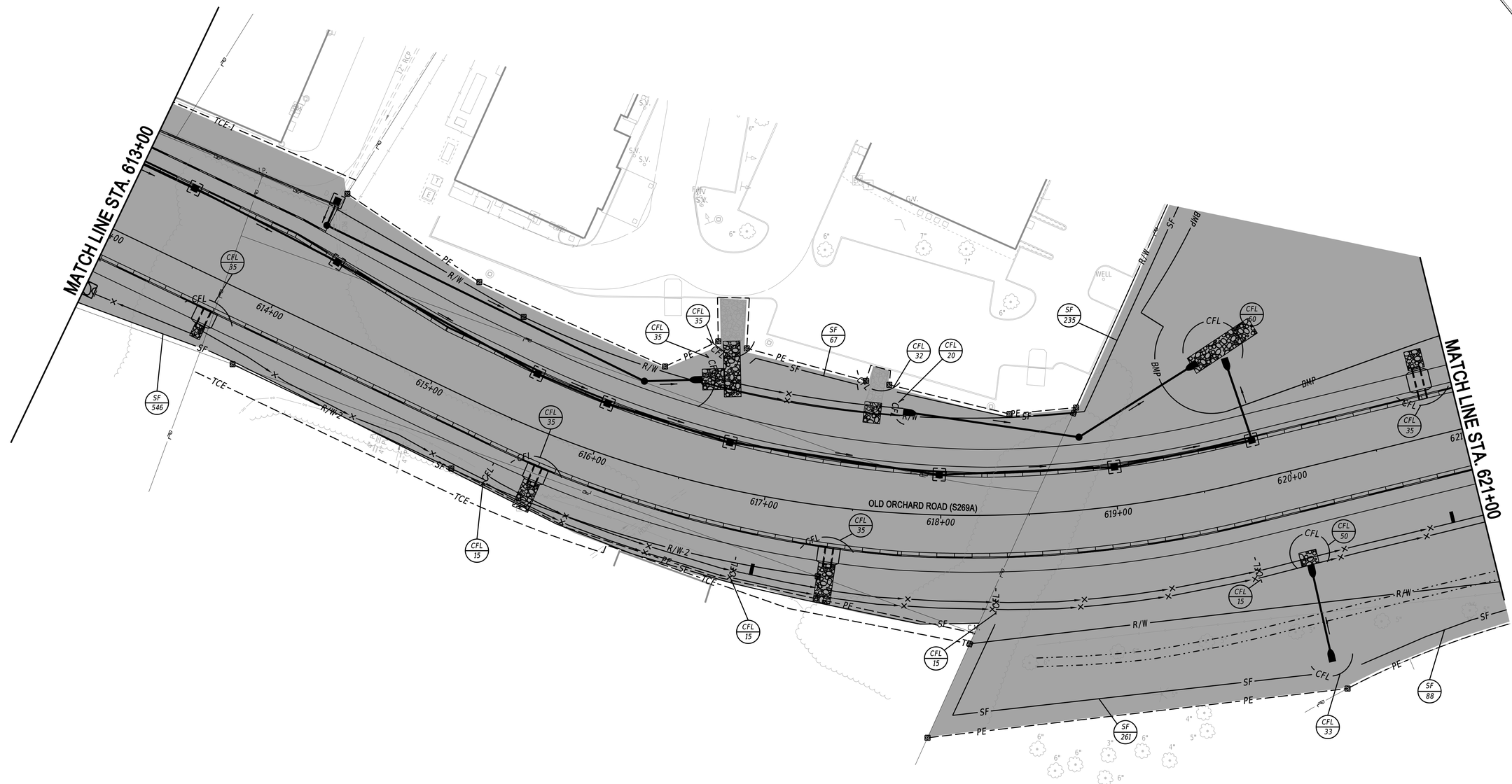

ADDENDA / REVISIONS	

SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY:	J. SINCLAIR
COUNTY	CHECKED BY:	K. CLEVENGER
SUSSEX		

CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 1

SECTION
WRA
SHEET NO.
78

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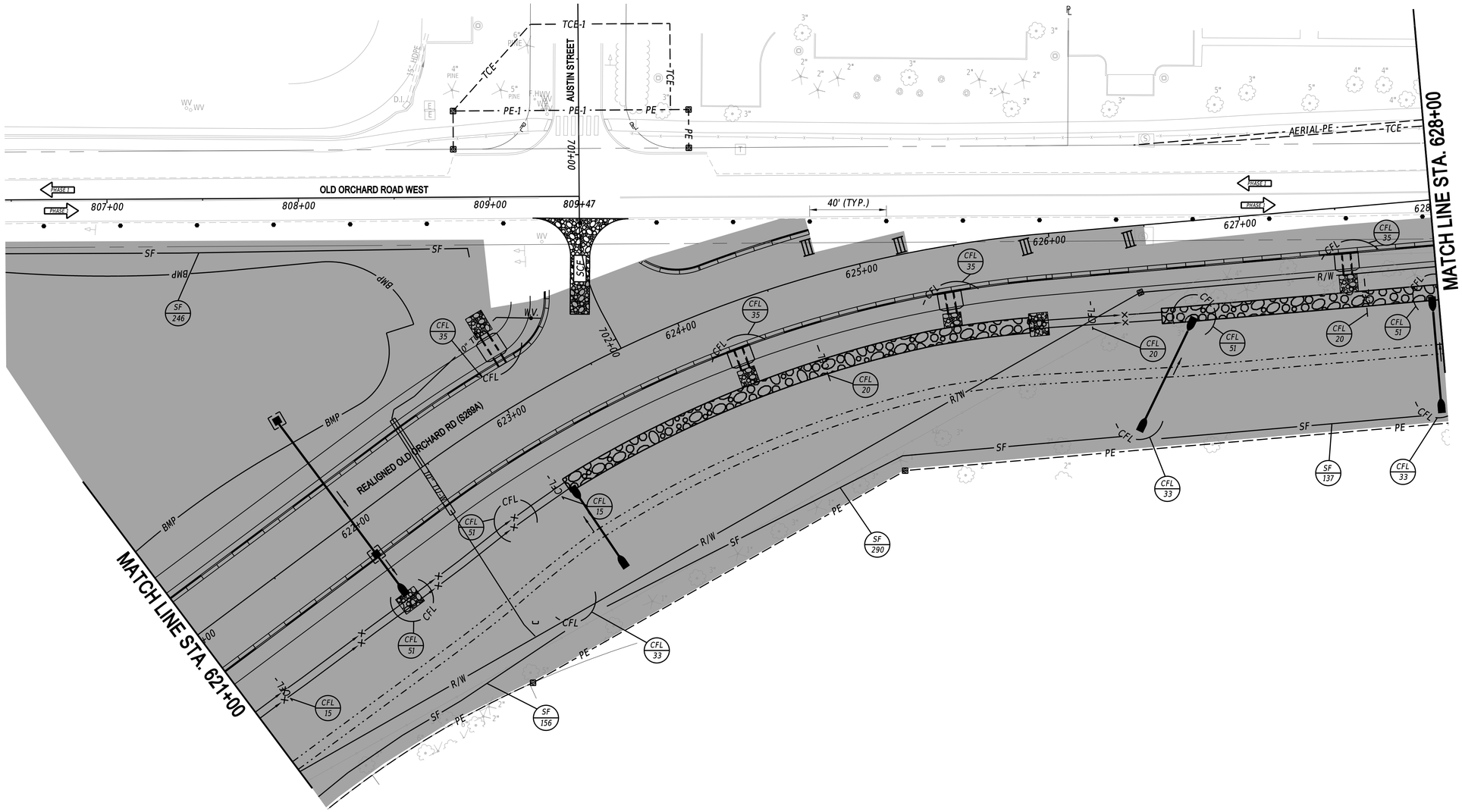

ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 1	SECTION WRA
				COUNTY SUSSEX	DESIGNED BY: J. SINCLAIR		SHEET NO. 79
					CHECKED BY: K. CLEVENGER		

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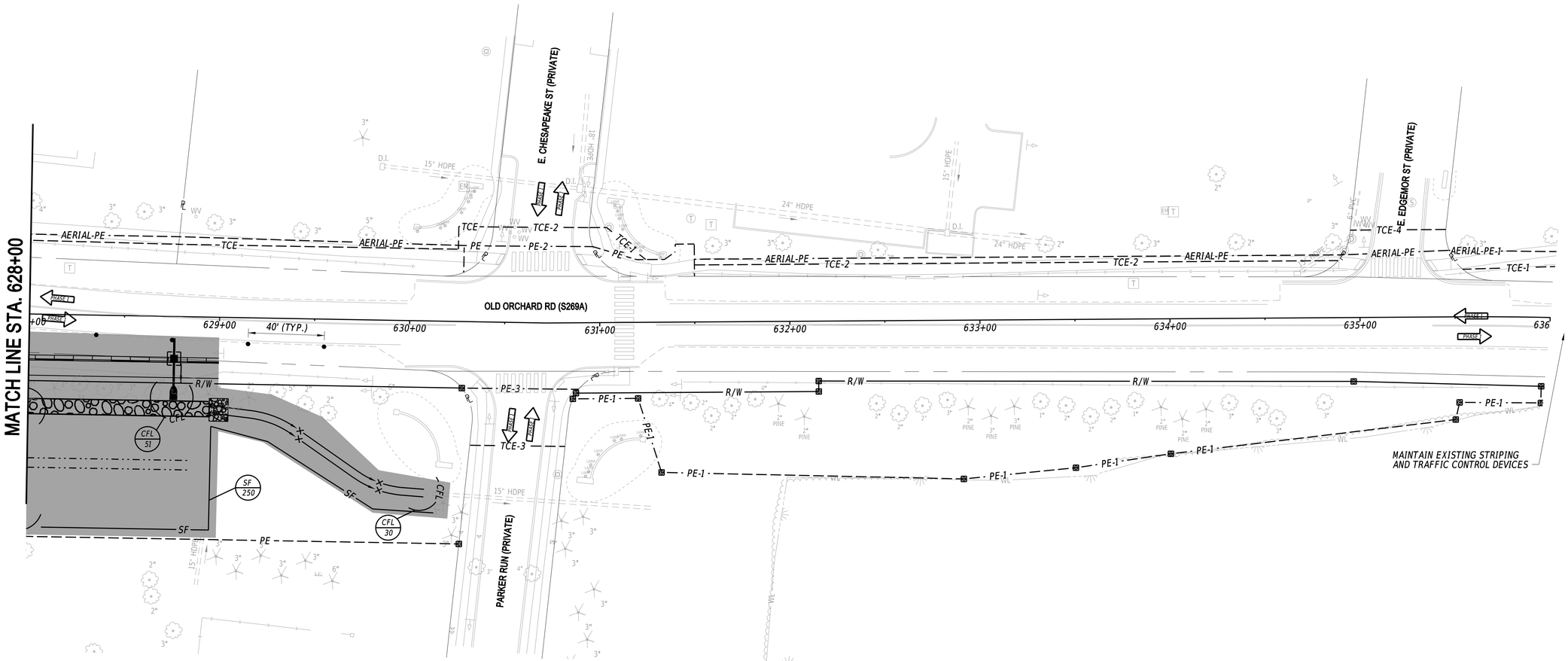

ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 1	SECTION WRA
				COUNTY SUSSEX	DESIGNED BY: J. SINCLAIR		SHEET NO. 80
					CHECKED BY: K. CLEVENGER		

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TEMPORARY PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	910 LF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID DOUBLE LINE (ITEM 817042)	930 LF
(D)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 6' GAP (ITEM 817042)	110 LF
(E)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 817002)	78 SF
	REMOVAL OF PAVEMENT STRIPING (ITEM 817031)	1,025 SF

N

OLD ORCHARD ROAD WEST

SAVANNAH RD (US 9 BUSINESS / S18)

MATCH LINE STA. 509+50

502+00 503+00 504+00 505+00 506+00 507+00 508+00 509+00

800+00 801+00 802+00

TCE TCE-1 TCE-2 TCE-3 PE AERIAL-PE AERIAL-PE-2 R/W R/W-2 TCE-2

MATCH EXISTING STRIPING

125' SHIFTING TAPER W=6',S=35MPH,L=123'

100' 100'

LANE SHIFT AHEAD

W1-4-DE (48"x48")

W24-1R (48"x48")

PHASE 1

ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 1	SECTION WRA
				COUNTY SUSSEX	DESIGNED BY: J. SINCLAIR		SHEET NO. 81
					CHECKED BY: K. CLEVENGER		

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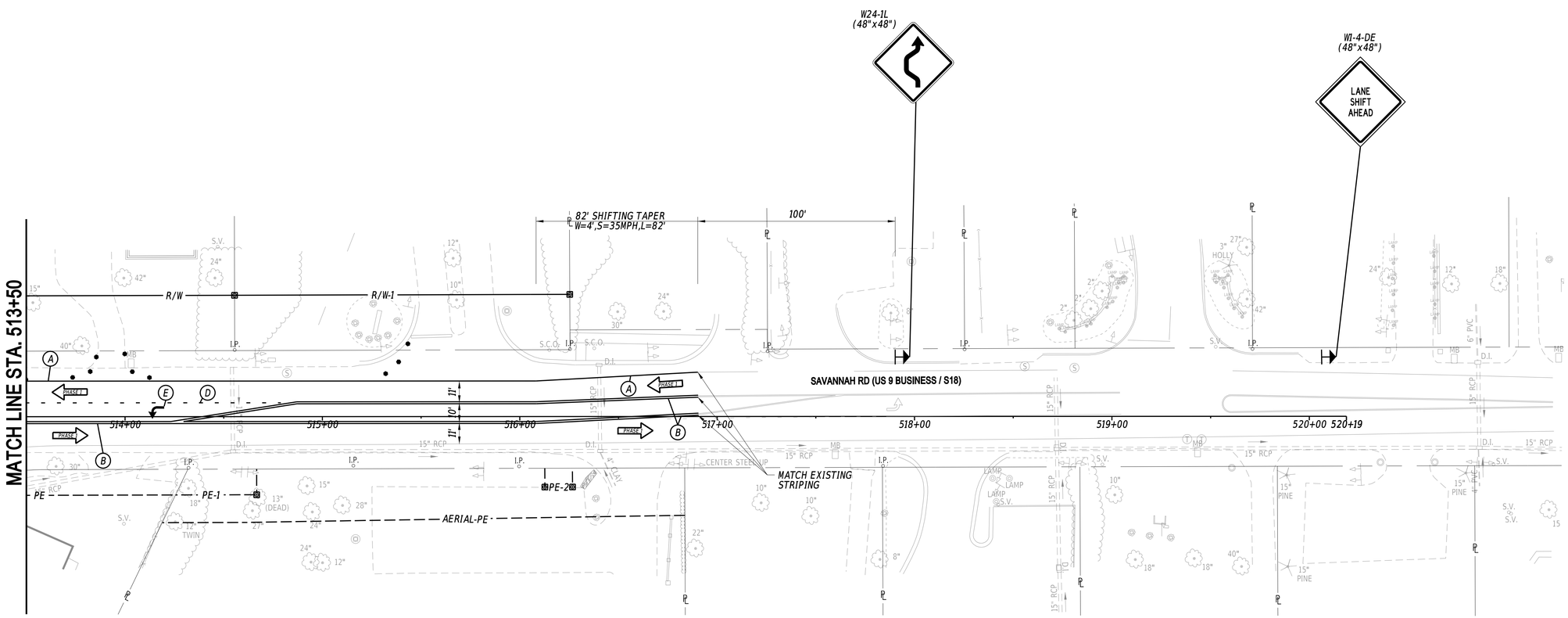
TEMPORARY PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	340 LF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID DOUBLE LINE (ITEM 817042)	1,200 LF
(D)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 6' GAP (ITEM 817042)	32 LF
(E)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 817002)	16 SF
	REMOVAL OF PAVEMENT STRIPING (ITEM 817031)	802 SF



ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 1	SECTION WRA
				COUNTY SUSSEX	DESIGNED BY: J. SINCLAIR		SHEET NO. 82
					CHECKED BY: K. CLEVENGER		

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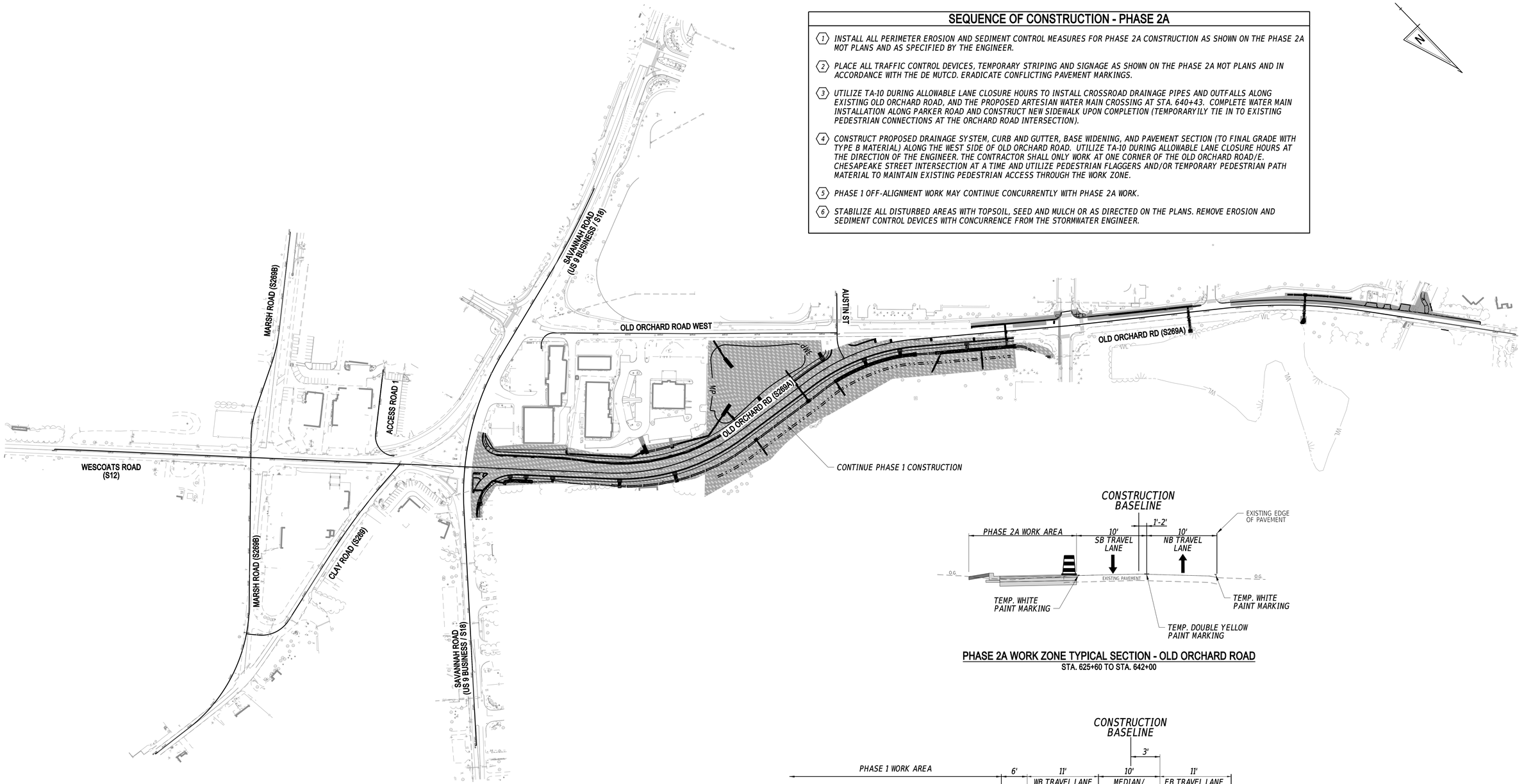
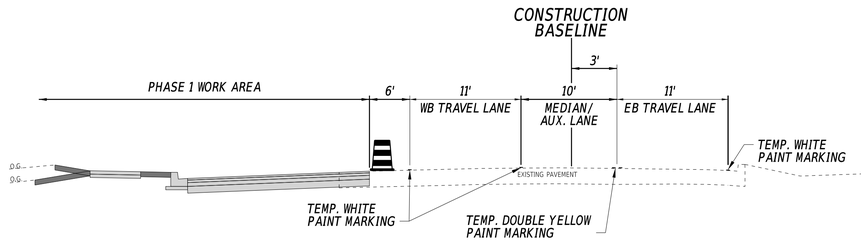
SEQUENCE OF CONSTRUCTION - PHASE 2A

1. INSTALL ALL PERIMETER EROSION AND SEDIMENT CONTROL MEASURES FOR PHASE 2A CONSTRUCTION AS SHOWN ON THE PHASE 2A MOT PLANS AND AS SPECIFIED BY THE ENGINEER.
2. PLACE ALL TRAFFIC CONTROL DEVICES, TEMPORARY STRIPING AND SIGNAGE AS SHOWN ON THE PHASE 2A MOT PLANS AND IN ACCORDANCE WITH THE DE MUTCD. ERADICATE CONFLICTING PAVEMENT MARKINGS.
3. UTILIZE TA-10 DURING ALLOWABLE LANE CLOSURE HOURS TO INSTALL CROSSROAD DRAINAGE PIPES AND OUTFALLS ALONG EXISTING OLD ORCHARD ROAD, AND THE PROPOSED ARTESIAN WATER MAIN CROSSING AT STA. 640+43. COMPLETE WATER MAIN INSTALLATION ALONG PARKER ROAD AND CONSTRUCT NEW SIDEWALK UPON COMPLETION (TEMPORARYILY TIE IN TO EXISTING PEDESTRIAN CONNECTIONS AT THE ORCHARD ROAD INTERSECTION).
4. CONSTRUCT PROPOSED DRAINAGE SYSTEM, CURB AND GUTTER, BASE WIDENING, AND PAVEMENT SECTION (TO FINAL GRADE WITH TYPE B MATERIAL) ALONG THE WEST SIDE OF OLD ORCHARD ROAD. UTILIZE TA-10 DURING ALLOWABLE LANE CLOSURE HOURS AT THE DIRECTION OF THE ENGINEER. THE CONTRACTOR SHALL ONLY WORK AT ONE CORNER OF THE OLD ORCHARD ROAD/E. CHESAPEAKE STREET INTERSECTION AT A TIME AND UTILIZE PEDESTRIAN FLAGGERS AND/OR TEMPORARY PEDESTRIAN PATH MATERIAL TO MAINTAIN EXISTING PEDESTRIAN ACCESS THROUGH THE WORK ZONE.
5. PHASE 1 OFF-ALIGNMENT WORK MAY CONTINUE CONCURRENTLY WITH PHASE 2A WORK.
6. STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH OR AS DIRECTED ON THE PLANS. REMOVE EROSION AND SEDIMENT CONTROL DEVICES WITH CONCURRENCE FROM THE STORMWATER ENGINEER.



PHASE 2A WORK ZONE TYPICAL SECTION - OLD ORCHARD ROAD
STA. 625+60 TO STA. 642+00



PHASES 1-2B WORK ZONE TYPICAL SECTION - SAVANNAH ROAD
STATION 504+40 TO STATION 516+08

ADDENDA / REVISIONS		SCALE	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT	BRIDGE NO. N/A	CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 2A	SECTION
		0 150 300 450 FEET		T201609601	DESIGNED BY: J. SINCLAIR		WRA
				COUNTY	CHECKED BY: K. CLEVENGER		SHEET NO.
				SUSSEX			83

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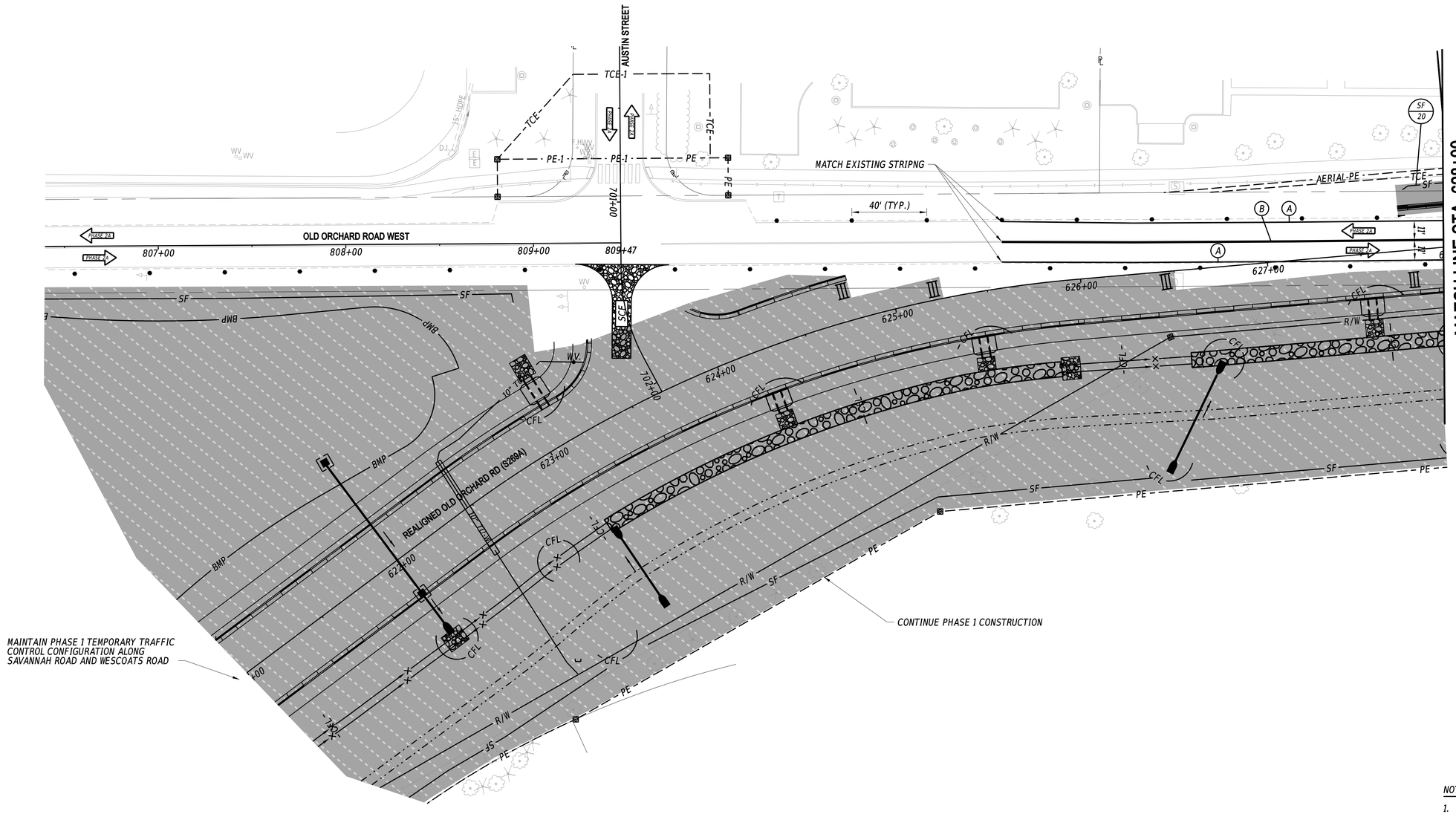
TEMPORARY PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	470 LF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID DOUBLE LINE (ITEM 817042)	470 LF
	REMOVAL OF PAVEMENT STRIPING (ITEM 817031)	470 SF



NOTES:

1. *MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES PREVIOUSLY INSTALLED UNDER PHASE 1.*

ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 2A	SECTION WRA
				COUNTY SUSSEX	DESIGNED BY: J. SINCLAIR		SHEET NO. 84
					CHECKED BY: K. CLEVENGER		

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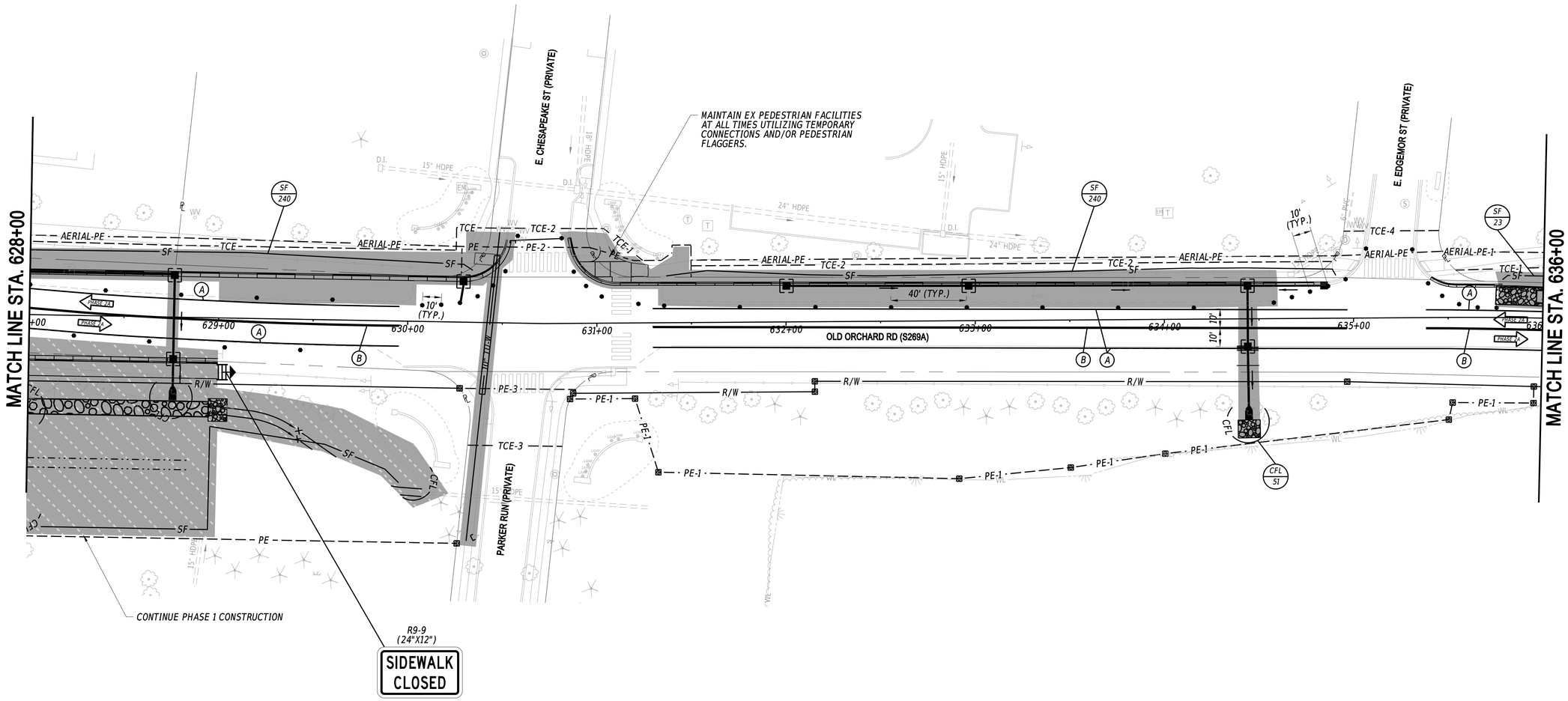
TEMPORARY PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	1,190 LF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID DOUBLE LINE (ITEM 817042)	1,250 LF
	REMOVAL OF PAVEMENT STRIPING (ITEM 817031)	1,220 SF



NOTES:

1. MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES PREVIOUSLY INSTALLED UNDER PHASE 1.

ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 2A	SECTION WRA
				COUNTY SUSSEX	DESIGNED BY: J. SINCLAIR		SHEET NO. 85
					CHECKED BY: K. CLEVENGER		

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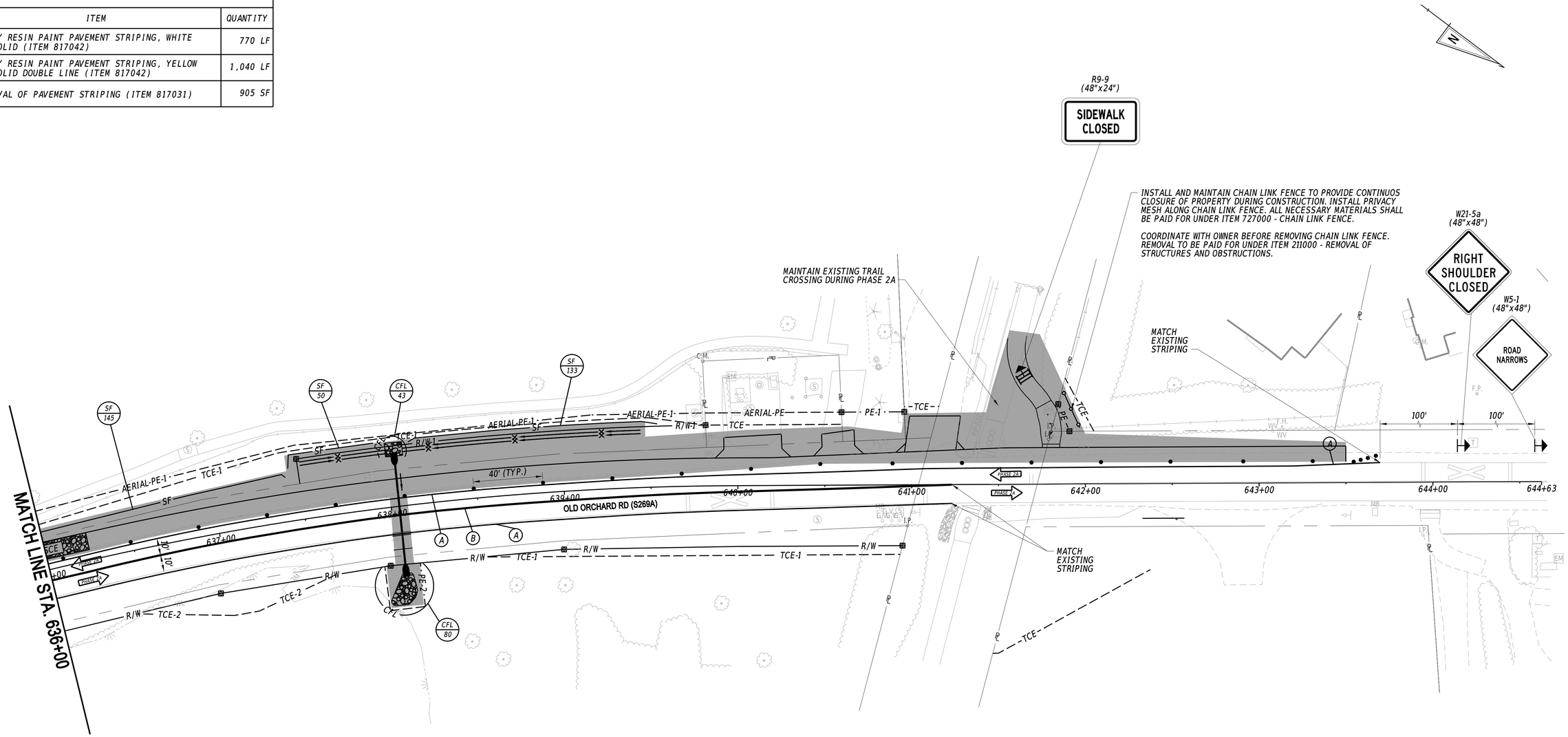
TEMPORARY PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	770 LF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID DOUBLE LINE (ITEM 817042)	1,040 LF
	REMOVAL OF PAVEMENT STRIPING (ITEM 817031)	905 SF



ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 2A	SECTION WRA
				COUNTY SUSSEX	DESIGNED BY: J. SINCLAIR		SHEET NO. 86
					CHECKED BY: K. CLEVENGER		

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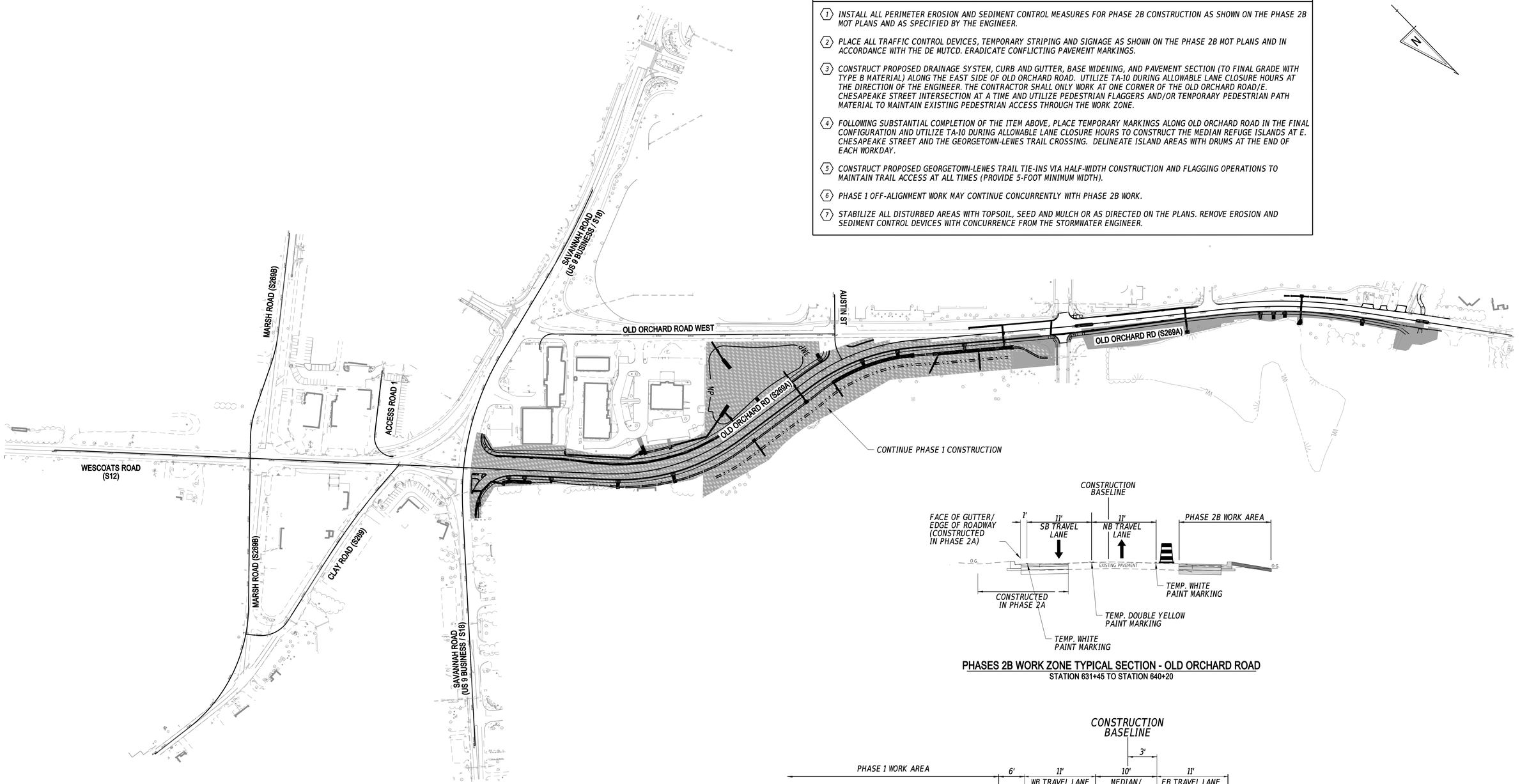
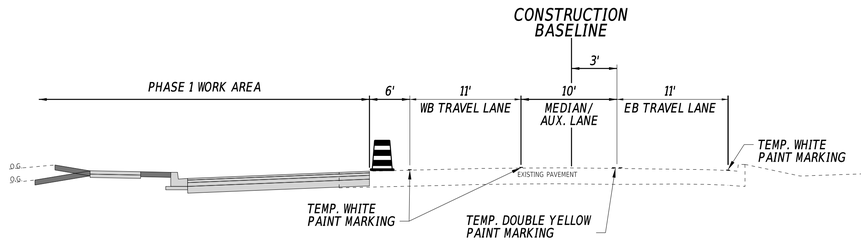
SEQUENCE OF CONSTRUCTION - PHASE 2B

1. INSTALL ALL PERIMETER EROSION AND SEDIMENT CONTROL MEASURES FOR PHASE 2B CONSTRUCTION AS SHOWN ON THE PHASE 2B MOT PLANS AND AS SPECIFIED BY THE ENGINEER.
2. PLACE ALL TRAFFIC CONTROL DEVICES, TEMPORARY STRIPING AND SIGNAGE AS SHOWN ON THE PHASE 2B MOT PLANS AND IN ACCORDANCE WITH THE DE MUTCD. ERADICATE CONFLICTING PAVEMENT MARKINGS.
3. CONSTRUCT PROPOSED DRAINAGE SYSTEM, CURB AND GUTTER, BASE WIDENING, AND PAVEMENT SECTION (TO FINAL GRADE WITH TYPE B MATERIAL) ALONG THE EAST SIDE OF OLD ORCHARD ROAD. UTILIZE TA-10 DURING ALLOWABLE LANE CLOSURE HOURS AT THE DIRECTION OF THE ENGINEER. THE CONTRACTOR SHALL ONLY WORK AT ONE CORNER OF THE OLD ORCHARD ROAD/E. CHESAPEAKE STREET INTERSECTION AT A TIME AND UTILIZE PEDESTRIAN FLAGGERS AND/OR TEMPORARY PEDESTRIAN PATH MATERIAL TO MAINTAIN EXISTING PEDESTRIAN ACCESS THROUGH THE WORK ZONE.
4. FOLLOWING SUBSTANTIAL COMPLETION OF THE ITEM ABOVE, PLACE TEMPORARY MARKINGS ALONG OLD ORCHARD ROAD IN THE FINAL CONFIGURATION AND UTILIZE TA-10 DURING ALLOWABLE LANE CLOSURE HOURS TO CONSTRUCT THE MEDIAN REFUGE ISLANDS AT E. CHESAPEAKE STREET AND THE GEORGETOWN-LEWES TRAIL CROSSING. DELINEATE ISLAND AREAS WITH DRUMS AT THE END OF EACH WORKDAY.
5. CONSTRUCT PROPOSED GEORGETOWN-LEWES TRAIL TIE-INS VIA HALF-WIDTH CONSTRUCTION AND FLAGGING OPERATIONS TO MAINTAIN TRAIL ACCESS AT ALL TIMES (PROVIDE 5-FOOT MINIMUM WIDTH).
6. PHASE 1 OFF-ALIGNMENT WORK MAY CONTINUE CONCURRENTLY WITH PHASE 2B WORK.
7. STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH OR AS DIRECTED ON THE PLANS. REMOVE EROSION AND SEDIMENT CONTROL DEVICES WITH CONCURRENCE FROM THE STORMWATER ENGINEER.



PHASES 2B WORK ZONE TYPICAL SECTION - OLD ORCHARD ROAD
STATION 631+45 TO STATION 640+20



PHASES 1-2B WORK ZONE TYPICAL SECTION - SAVANNAH ROAD
STATION 504+40 TO STATION 516+08

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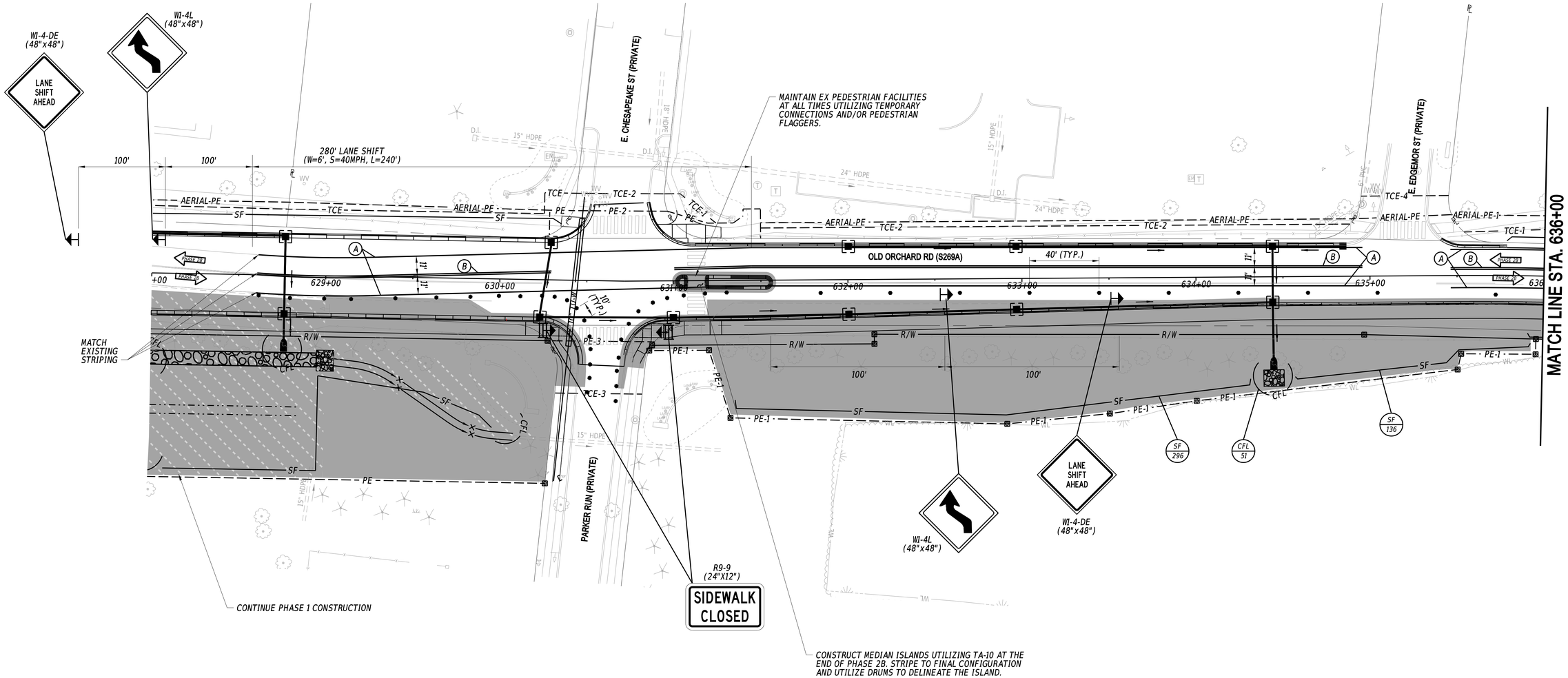
ADDENDA / REVISIONS		SCALE	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT	BRIDGE NO. N/A	CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 2B	SECTION
		0 150 300 450		T201609601	DESIGNED BY: J. SINCLAIR		WRA
		FEET		COUNTY	CHECKED BY: K. CLEVENGER		SHEET NO.
				SUSSEX			87

TEMPORARY PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	1,380 LF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID DOUBLE LINE (ITEM 817042)	1,240 LF
	REMOVAL OF PAVEMENT STRIPING (ITEM 817031)	1,310 SF



NOTES:

1. *MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES PREVIOUSLY INSTALLED UNDER PHASE 1.*

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY:	J. SINCLAIR
COUNTY	CHECKED BY:	K. CLEVENGER
SUSSEX		

CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 2B

SECTION	
WRA	
SHEET NO.	
88	

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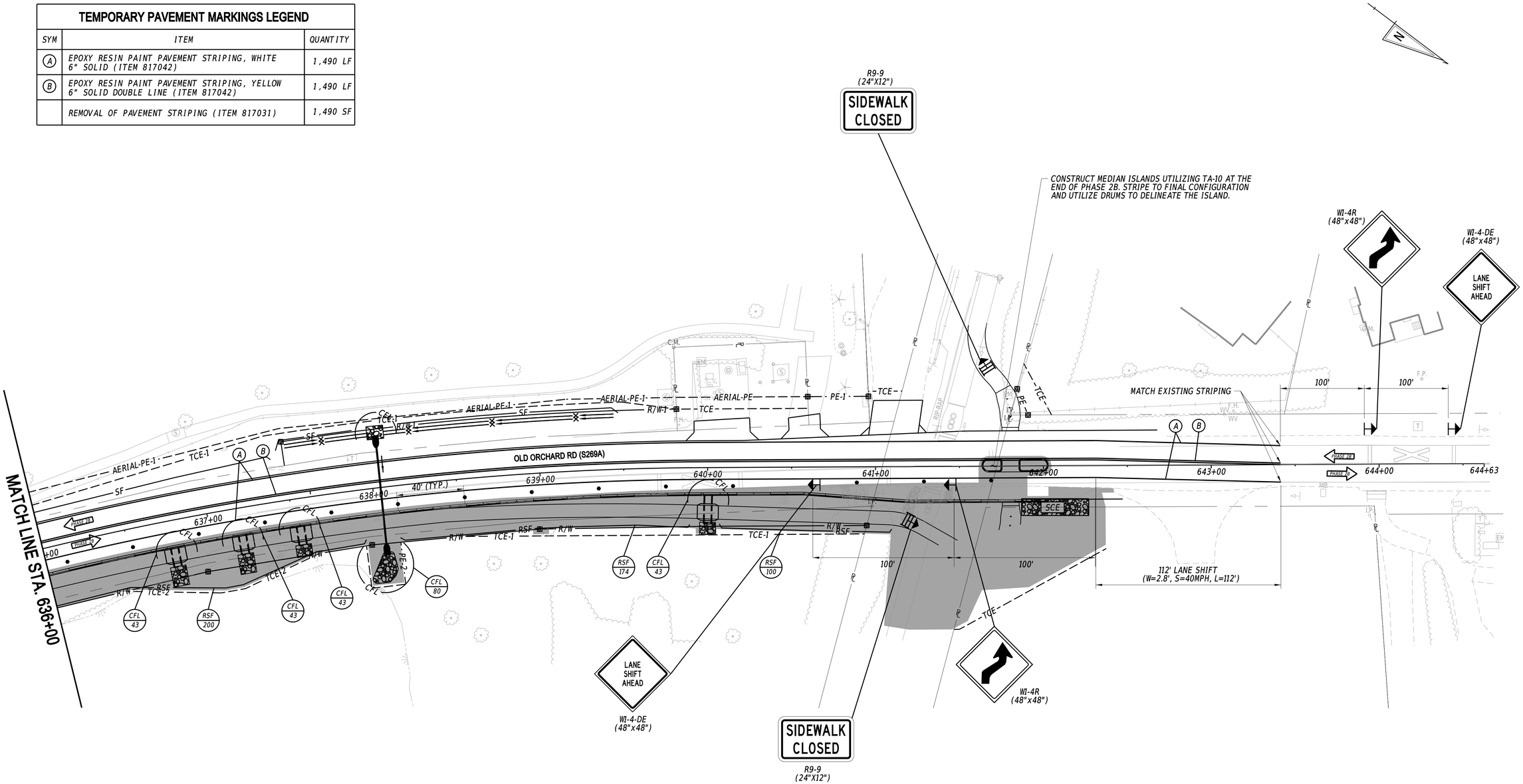
TEMPORARY PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	1,490 LF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID DOUBLE LINE (ITEM 817042)	1,490 LF
	REMOVAL OF PAVEMENT STRIPING (ITEM 817031)	1,490 SF



ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 2B	SECTION WRA
				COUNTY SUSSEX	DESIGNED BY: J. SINCLAIR		SHEET NO. 89
					CHECKED BY: K. CLEVENGER		

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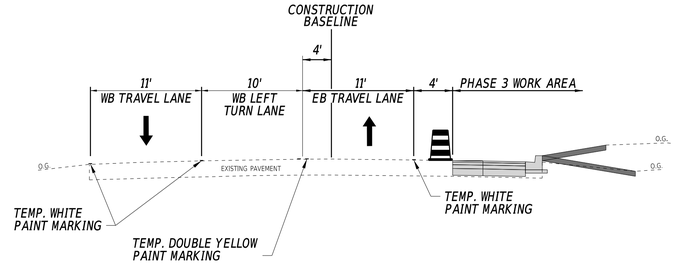
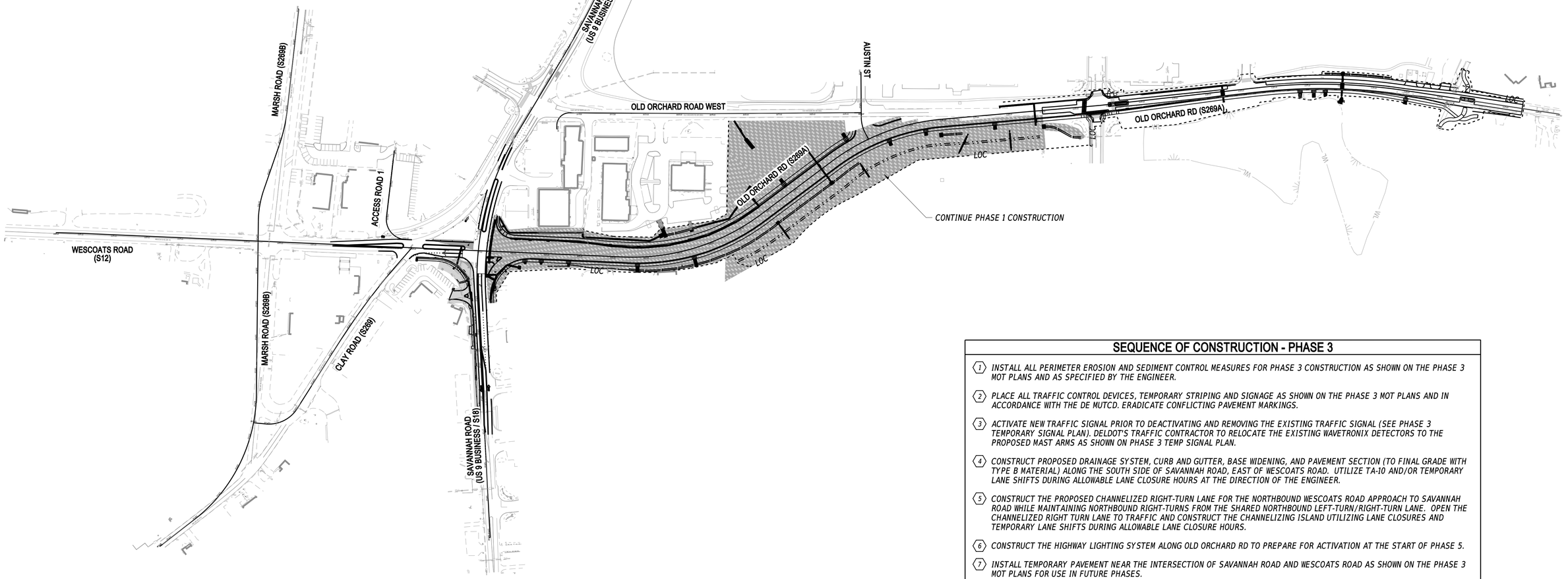


PHASE 3-4 WORK ZONE TYPICAL SECTION - SAVANNAH ROAD

STATION 512+25 TO STATION 515+73



SEQUENCE OF CONSTRUCTION - PHASE 3

1. INSTALL ALL PERIMETER EROSION AND SEDIMENT CONTROL MEASURES FOR PHASE 3 CONSTRUCTION AS SHOWN ON THE PHASE 3 MOT PLANS AND AS SPECIFIED BY THE ENGINEER.
2. PLACE ALL TRAFFIC CONTROL DEVICES, TEMPORARY STRIPING AND SIGNAGE AS SHOWN ON THE PHASE 3 MOT PLANS AND IN ACCORDANCE WITH THE DE MUTCD. ERADICATE CONFLICTING PAVEMENT MARKINGS.
3. ACTIVATE NEW TRAFFIC SIGNAL PRIOR TO DEACTIVATING AND REMOVING THE EXISTING TRAFFIC SIGNAL (SEE PHASE 3 TEMPORARY SIGNAL PLAN). DELDOT'S TRAFFIC CONTRACTOR TO RELOCATE THE EXISTING WAVETRONIX DETECTORS TO THE PROPOSED MAST ARMS AS SHOWN ON PHASE 3 TEMP SIGNAL PLAN.
4. CONSTRUCT PROPOSED DRAINAGE SYSTEM, CURB AND GUTTER, BASE WIDENING, AND PAVEMENT SECTION (TO FINAL GRADE WITH TYPE B MATERIAL) ALONG THE SOUTH SIDE OF SAVANNAH ROAD, EAST OF WESCOATS ROAD. UTILIZE TA-10 AND/OR TEMPORARY LANE SHIFTS DURING ALLOWABLE LANE CLOSURE HOURS AT THE DIRECTION OF THE ENGINEER.
5. CONSTRUCT THE PROPOSED CHANNELIZED RIGHT-TURN LANE FOR THE NORTHBOUND WESCOATS ROAD APPROACH TO SAVANNAH ROAD WHILE MAINTAINING NORTHBOUND RIGHT-TURNS FROM THE SHARED NORTHBOUND LEFT-TURN/RIGHT-TURN LANE. OPEN THE CHANNELIZED RIGHT TURN LANE TO TRAFFIC AND CONSTRUCT THE CHANNELIZING ISLAND UTILIZING LANE CLOSURES AND TEMPORARY LANE SHIFTS DURING ALLOWABLE LANE CLOSURE HOURS.
6. CONSTRUCT THE HIGHWAY LIGHTING SYSTEM ALONG OLD ORCHARD RD TO PREPARE FOR ACTIVATION AT THE START OF PHASE 5.
7. INSTALL TEMPORARY PAVEMENT NEAR THE INTERSECTION OF SAVANNAH ROAD AND WESCOATS ROAD AS SHOWN ON THE PHASE 3 MOT PLANS FOR USE IN FUTURE PHASES.
8. STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH OR AS DIRECTED ON THE PLANS. REMOVE EROSION AND SEDIMENT CONTROL DEVICES WITH CONCURRENCE FROM THE STORMWATER ENGINEER.

ADDENDA / REVISIONS

SCALE
0 150 300 450
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY:	J. SINCLAIR
COUNTY	CHECKED BY:	K. CLEVENGER
SUSSEX		

CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 3

SECTION	
WRA	
SHEET NO.	
90	

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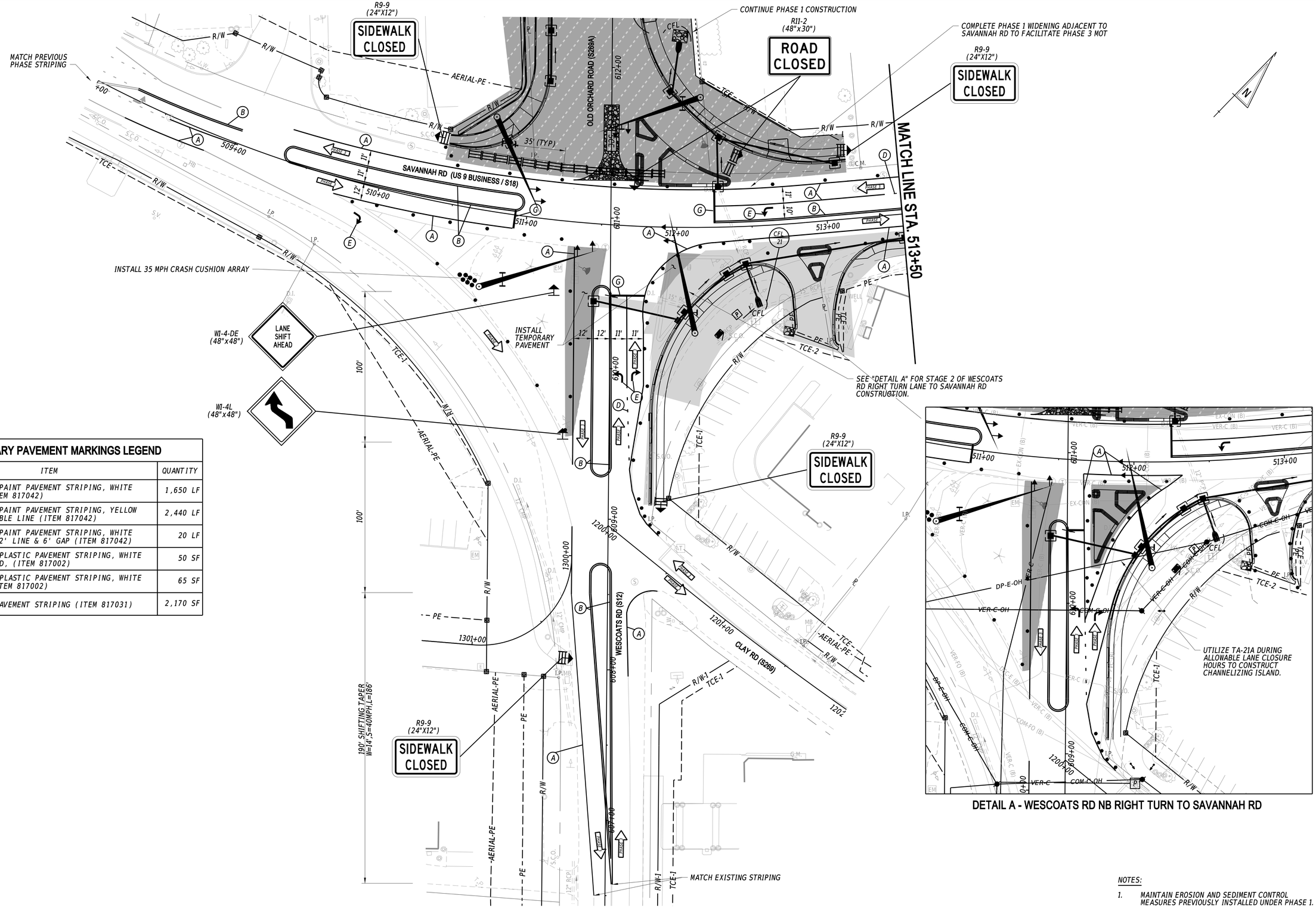

TEMPORARY PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	1,650 LF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID DOUBLE LINE (ITEM 817042)	2,440 LF
(D)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 6' GAP (ITEM 817042)	20 LF
(E)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 817002)	50 SF
(G)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 817002)	65 SF
	REMOVAL OF PAVEMENT STRIPING (ITEM 817031)	2,170 SF

DETAIL A - WESCOATS RD NB RIGHT TURN TO SAVANNAH RD

NOTES:

1. *MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES PREVIOUSLY INSTALLED UNDER PHASE 1.*

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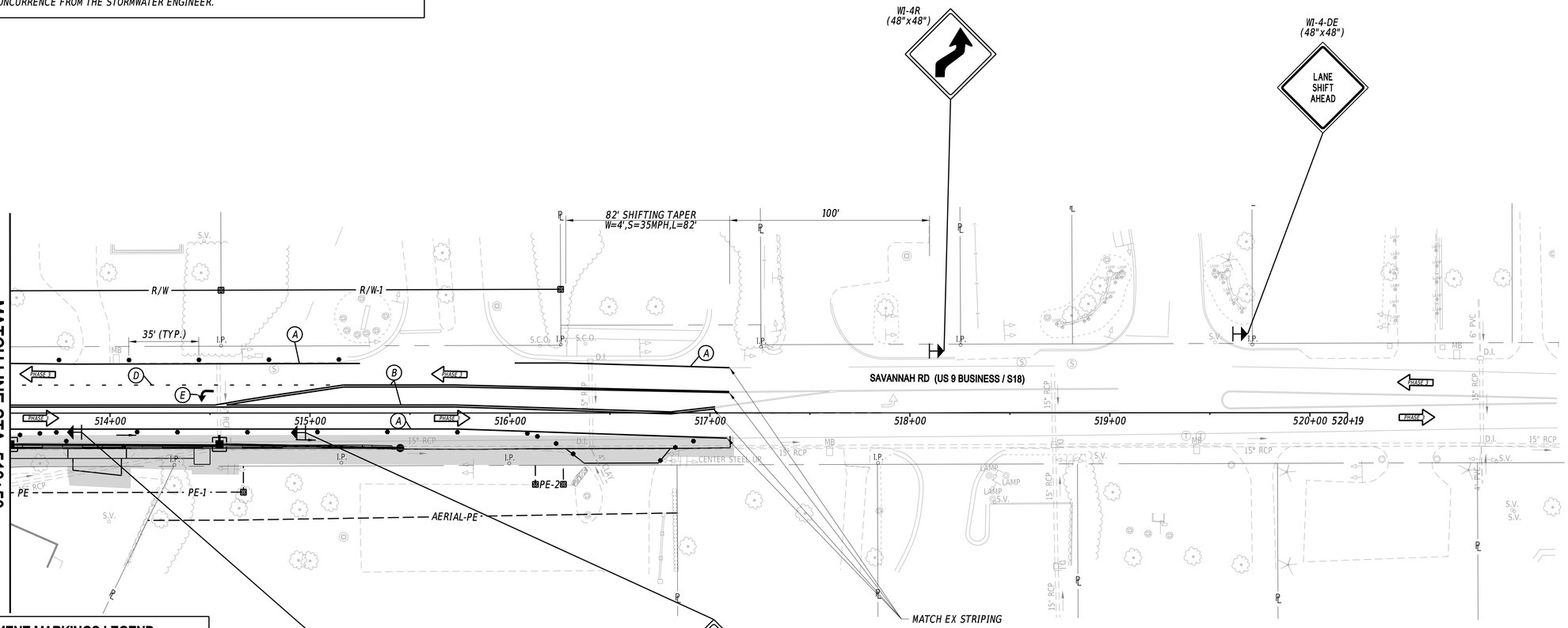
ADDENDA / REVISIONS	SCALE	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT	BRIDGE NO.	N/A	CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 3	SECTION
	0 30 60 90		T201609601	DESIGNED BY: J. SINCLAIR			WRA
	FEET		COUNTY	CHECKED BY: K. CLEVENGER			SHEET NO.
			SUSSEX				91

SEQUENCE OF CONSTRUCTION - PHASE 3

1. INSTALL ALL PERIMETER EROSION AND SEDIMENT CONTROL MEASURES FOR PHASE 3 CONSTRUCTION AS SHOWN ON THE PHASE 3 MOT PLANS AND AS SPECIFIED BY THE ENGINEER.
2. PLACE ALL TRAFFIC CONTROL DEVICES, TEMPORARY STRIPING AND SIGNAGE AS SHOWN ON THE PHASE 3 MOT PLANS AND IN ACCORDANCE WITH THE DE MUTCD. ERADICATE CONFLICTING PAVEMENT MARKINGS.
3. ACTIVATE NEW TRAFFIC SIGNAL PRIOR TO DEACTIVATING AND REMOVING THE EXISTING TRAFFIC SIGNAL (SEE PHASE 3 TEMPORARY SIGNAL PLAN). DELDOT'S TRAFFIC CONTRACTOR TO RELOCATE THE EXISTING WAVETRONIX DETECTORS TO THE PROPOSED MAST ARMS AS SHOWN ON PHASE 3 TEMP SIGNAL PLAN.
4. CONSTRUCT PROPOSED DRAINAGE SYSTEM, CURB AND GUTTER, BASE WIDENING, AND PAVEMENT SECTION (TO FINAL GRADE WITH TYPE B MATERIAL) ALONG THE SOUTH SIDE OF SAVANNAH ROAD, EAST OF WESCOATS ROAD. UTILIZE TA-10 AND/OR TEMPORARY LANE SHIFTS DURING ALLOWABLE LANE CLOSURE HOURS AT THE DIRECTION OF THE ENGINEER.
5. CONSTRUCT THE PROPOSED CHANNELIZED RIGHT-TURN LANE FOR THE NORTHBOUND WESCOATS ROAD APPROACH TO SAVANNAH ROAD WHILE MAINTAINING NORTHBOUND RIGHT-TURNS FROM THE SHARED NORTHBOUND LEFT-TURN/RIGHT-TURN LANE. OPEN THE CHANNELIZED RIGHT TURN LANE TO TRAFFIC AND CONSTRUCT THE CHANNELIZING ISLAND UTILIZING LANE CLOSURES AND TEMPORARY LANE SHIFTS DURING ALLOWABLE LANE CLOSURE HOURS.
6. CONSTRUCT THE HIGHWAY LIGHTING SYSTEM ALONG OLD ORCHARD RD TO PREPARE FOR ACTIVATION AT THE START OF PHASE 5.
7. INSTALL TEMPORARY PAVEMENT NEAR THE INTERSECTION OF SAVANNAH ROAD AND WESCOATS ROAD AS SHOWN ON THE PHASE 3 MOT PLANS FOR USE IN FUTURE PHASES.
8. STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH OR AS DIRECTED ON THE PLANS. REMOVE EROSION AND SEDIMENT CONTROL DEVICES WITH CONCURRENCE FROM THE STORMWATER ENGINEER.



TEMPORARY PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	645 LF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID DOUBLE LINE (ITEM 817042)	1,200 LF
(D)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 6' GAP (ITEM 817042)	42 LF
(E)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 817002)	16 SF
	REMOVAL OF PAVEMENT STRIPING (ITEM 817031)	1,882 SF

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ADDENDA / REVISIONS

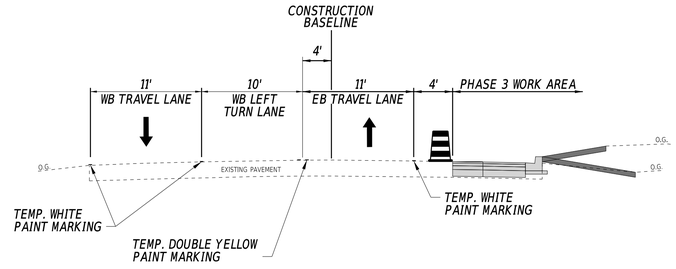
SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY:	J. SINCLAIR
COUNTY	CHECKED BY:	K. CLEVENGER
SUSSEX		

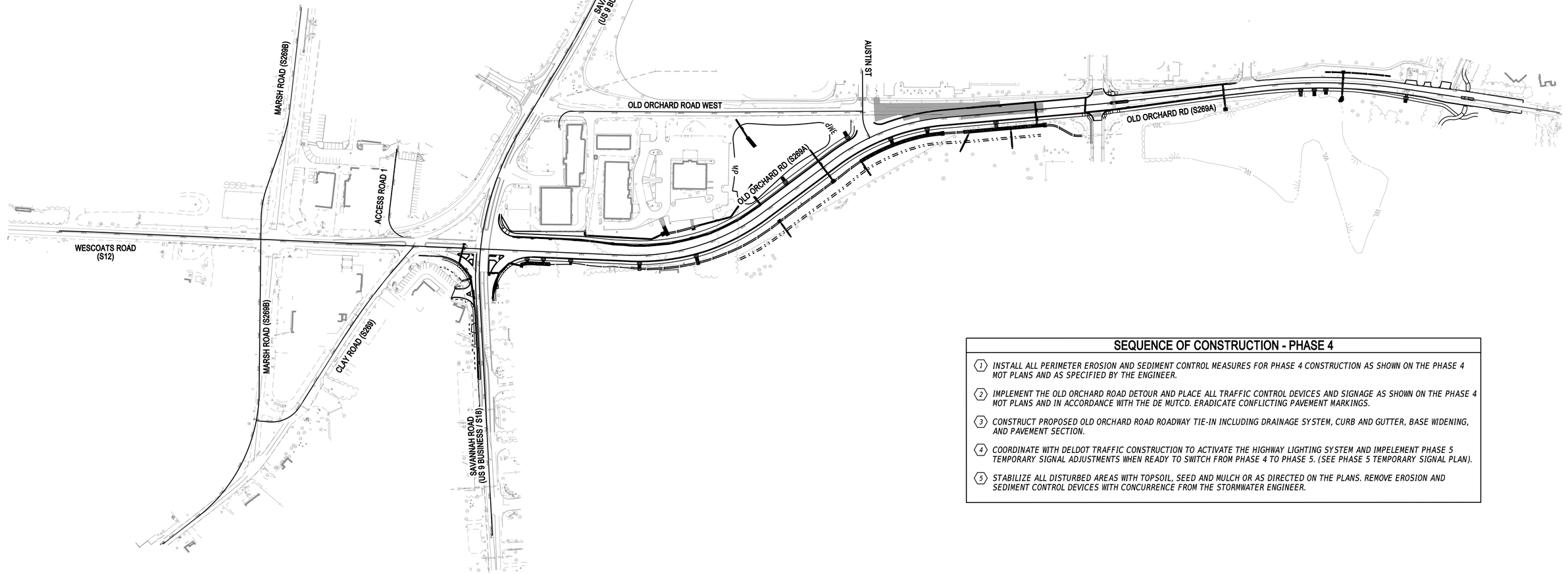
CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 3

SECTION
WRA
SHEET NO.
92



PHASE 3-4 WORK ZONE TYPICAL SECTION - SAVANNAH ROAD

STATION 512+25 TO STATION 515+73



SEQUENCE OF CONSTRUCTION - PHASE 4

1. *INSTALL ALL PERIMETER EROSION AND SEDIMENT CONTROL MEASURES FOR PHASE 4 CONSTRUCTION AS SHOWN ON THE PHASE 4 MOT PLANS AND AS SPECIFIED BY THE ENGINEER.*
2. *IMPLEMENT THE OLD ORCHARD ROAD DETOUR AND PLACE ALL TRAFFIC CONTROL DEVICES AND SIGNAGE AS SHOWN ON THE PHASE 4 MOT PLANS AND IN ACCORDANCE WITH THE DE MUTCD. ERADICATE CONFLICTING PAVEMENT MARKINGS.*
3. *CONSTRUCT PROPOSED OLD ORCHARD ROAD ROADWAY TIE-IN INCLUDING DRAINAGE SYSTEM, CURB AND GUTTER, BASE WIDENING, AND PAVEMENT SECTION.*
4. *COORDINATE WITH DELDOT TRAFFIC CONSTRUCTION TO ACTIVATE THE HIGHWAY LIGHTING SYSTEM AND IMPELEMENT PHASE 5 TEMPORARY SIGNAL ADJUSTMENTS WHEN READY TO SWITCH FROM PHASE 4 TO PHASE 5. (SEE PHASE 5 TEMPORARY SIGNAL PLAN).*
5. *STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH OR AS DIRECTED ON THE PLANS. REMOVE EROSION AND SEDIMENT CONTROL DEVICES WITH CONCURRENCE FROM THE STORMWATER ENGINEER.*

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ADDENDA / REVISIONS	

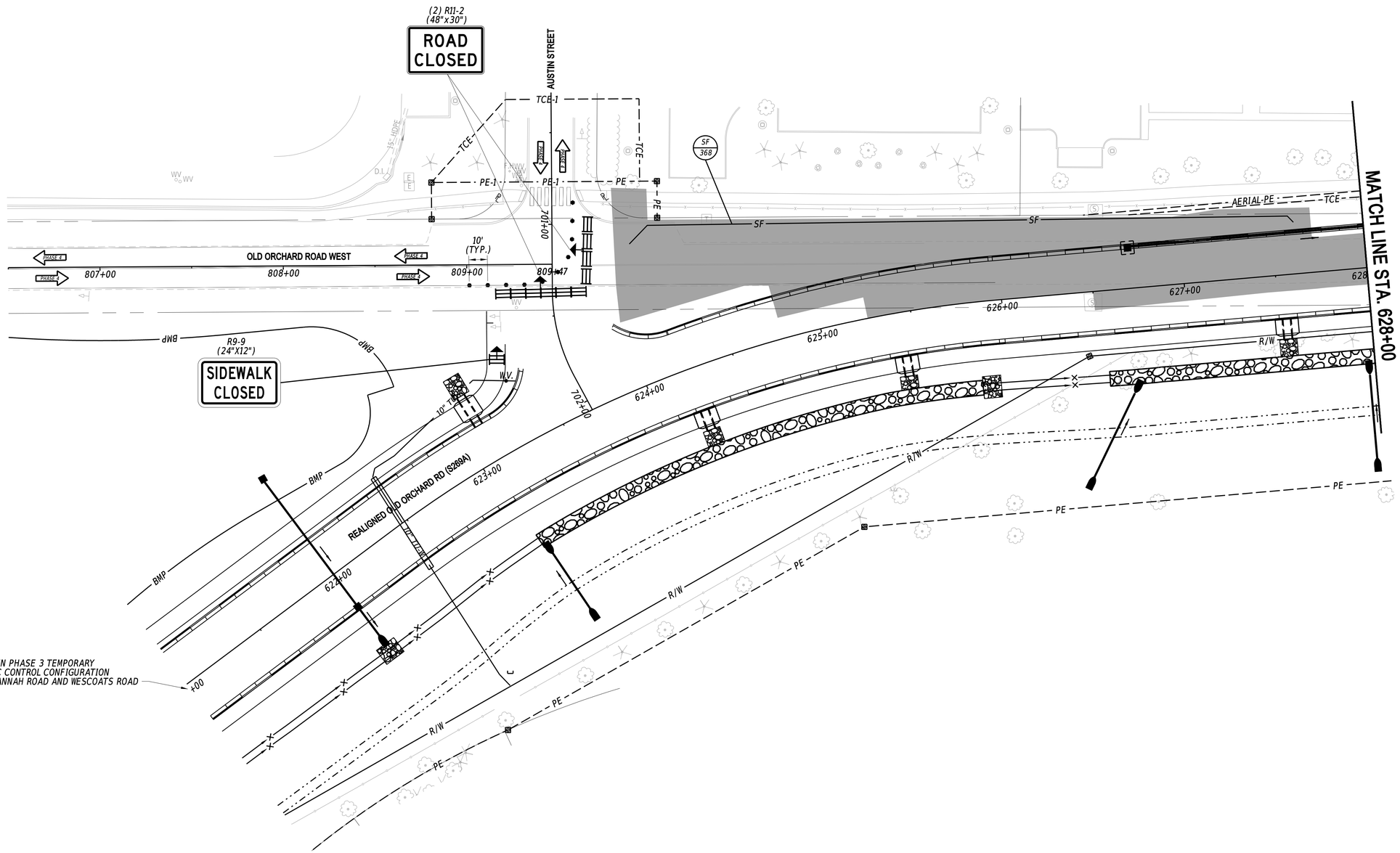
SCALE
0 150 300 450
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY:	J. SINCLAIR
COUNTY	CHECKED BY:	K. CLEVENGER
SUSSEX		

CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 4

SECTION
WRA
SHEET NO.
93



ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 4	SECTION WRA
				COUNTY SUSSEX	DESIGNED BY: J. SINCLAIR		SHEET NO. 94
					CHECKED BY: K. CLEVENGER		

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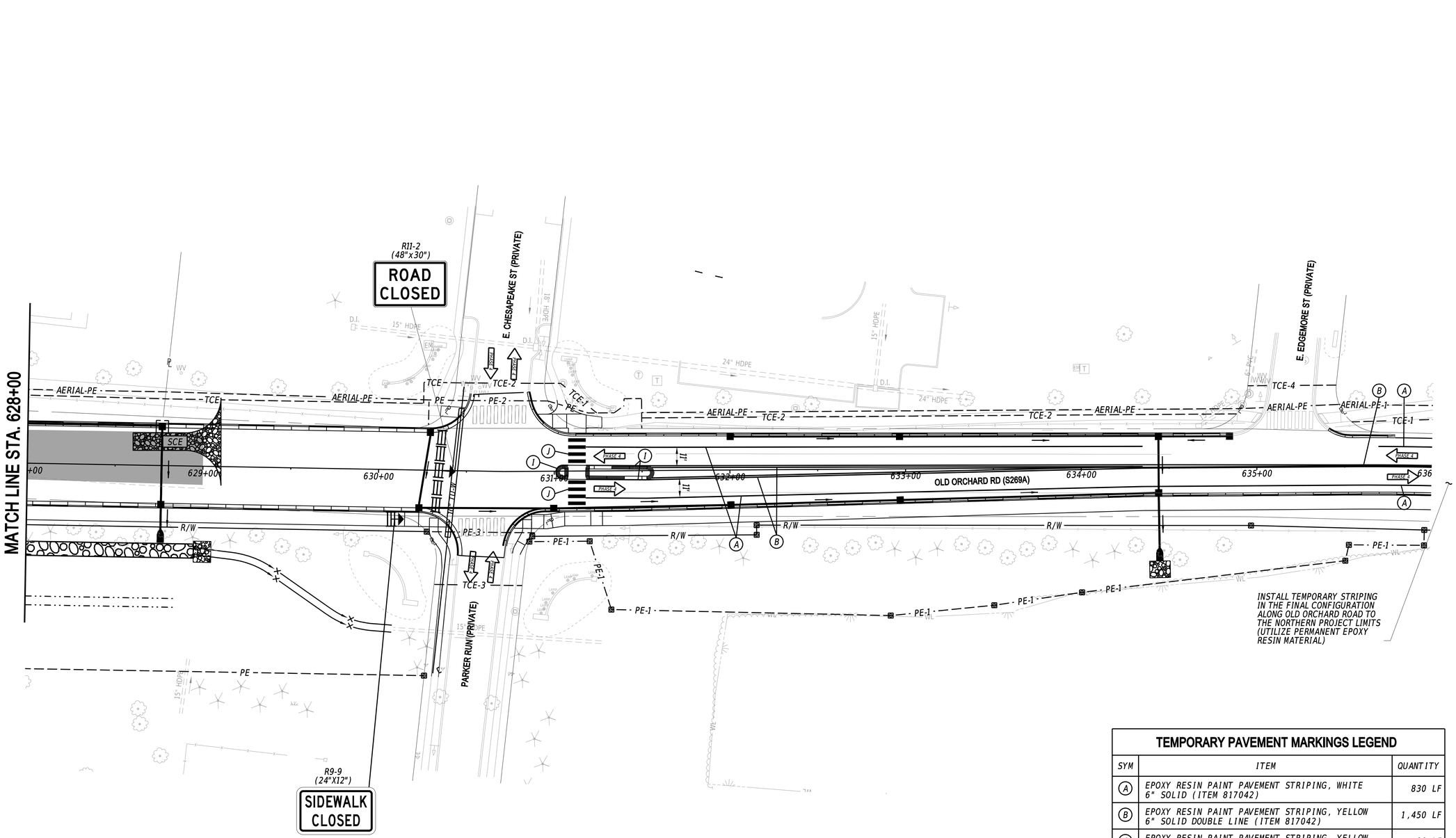

TEMPORARY PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	830 LF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID DOUBLE LINE (ITEM 817042)	1,450 LF
(I)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	90 LF
(J)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 10' X 2', (ITEM 817002)	160 SF
	REMOVAL OF PAVEMENT STRIPING (ITEM 817031)	1,345 SF

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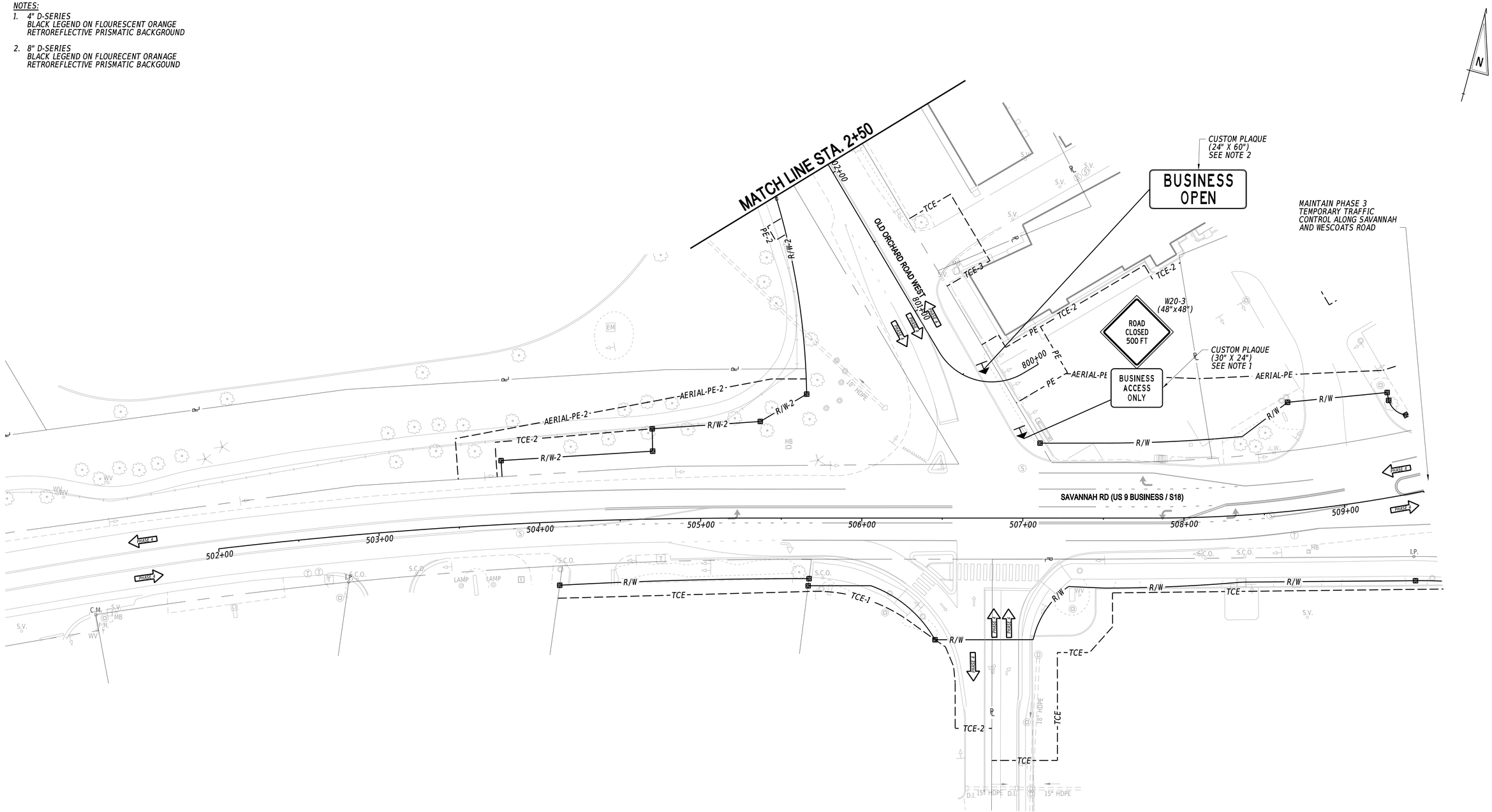
ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 4	SECTION WRA
				COUNTY SUSSEX	DESIGNED BY: J. SINCLAIR		SHEET NO. 95
					CHECKED BY: K. CLEVENGER		

NOTES:

1. 4" D-SERIES
   BLACK LEGEND ON FLOURESCENT ORANGE
   RETROREFLECTIVE PRISMATIC BACKGROUND

2. 8" D-SERIES
   BLACK LEGEND ON FLOURECENT ORANAGE
   RETROREFLECTIVE PRISMATIC BACKGOUND



ADDENDA / REVISIONS	

SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY:	J. SINCLAIR
COUNTY	CHECKED BY:	K. CLEVENGER
SUSSEX		

CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 4

SECTION
WRA
SHEET NO.
96

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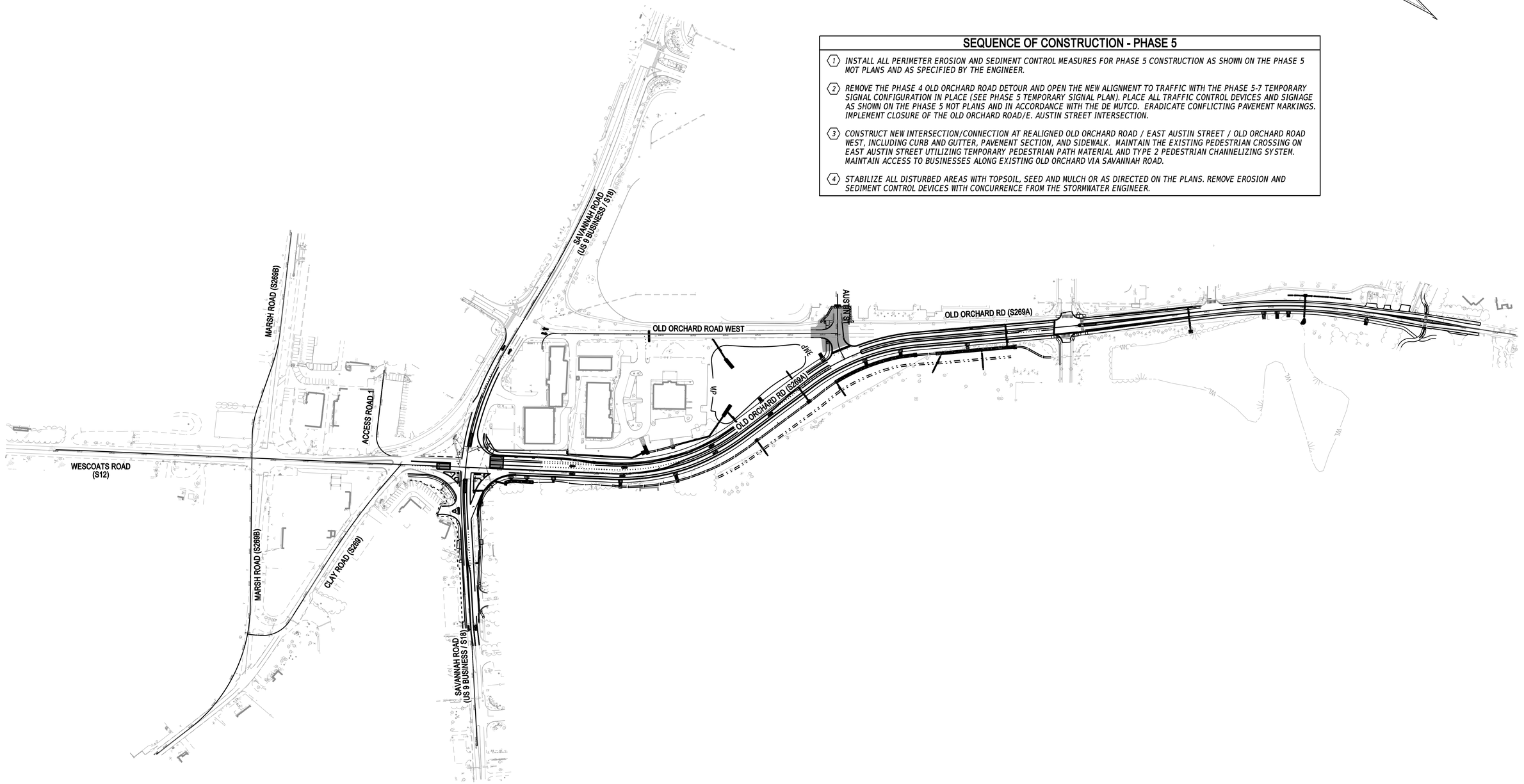
SEQUENCE OF CONSTRUCTION - PHASE 5

1. *INSTALL ALL PERIMETER EROSION AND SEDIMENT CONTROL MEASURES FOR PHASE 5 CONSTRUCTION AS SHOWN ON THE PHASE 5 MOT PLANS AND AS SPECIFIED BY THE ENGINEER.*
2. *REMOVE THE PHASE 4 OLD ORCHARD ROAD DETOUR AND OPEN THE NEW ALIGNMENT TO TRAFFIC WITH THE PHASE 5-7 TEMPORARY SIGNAL CONFIGURATION IN PLACE (SEE PHASE 5 TEMPORARY SIGNAL PLAN). PLACE ALL TRAFFIC CONTROL DEVICES AND SIGNAGE AS SHOWN ON THE PHASE 5 MOT PLANS AND IN ACCORDANCE WITH THE DE MUTCD. ERADICATE CONFLICTING PAVEMENT MARKINGS. IMPLEMENT CLOSURE OF THE OLD ORCHARD ROAD/E. AUSTIN STREET INTERSECTION.*
3. *CONSTRUCT NEW INTERSECTION/CONNECTION AT REALIGNED OLD ORCHARD ROAD / EAST AUSTIN STREET / OLD ORCHARD ROAD WEST, INCLUDING CURB AND GUTTER, PAVEMENT SECTION, AND SIDEWALK. MAINTAIN THE EXISTING PEDESTRIAN CROSSING ON EAST AUSTIN STREET UTILIZING TEMPORARY PEDESTRIAN PATH MATERIAL AND TYPE 2 PEDESTRIAN CHANNELIZING SYSTEM. MAINTAIN ACCESS TO BUSINESSES ALONG EXISTING OLD ORCHARD VIA SAVANNAH ROAD.*
4. *STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH OR AS DIRECTED ON THE PLANS. REMOVE EROSION AND SEDIMENT CONTROL DEVICES WITH CONCURRENCE FROM THE STORMWATER ENGINEER.*



ADDENDA / REVISIONS	

SCALE
0 150 300 450
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY:	J. SINCLAIR
COUNTY	CHECKED BY:	K. CLEVENGER
SUSSEX		

CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 5

SECTION
WRA
SHEET NO.
97

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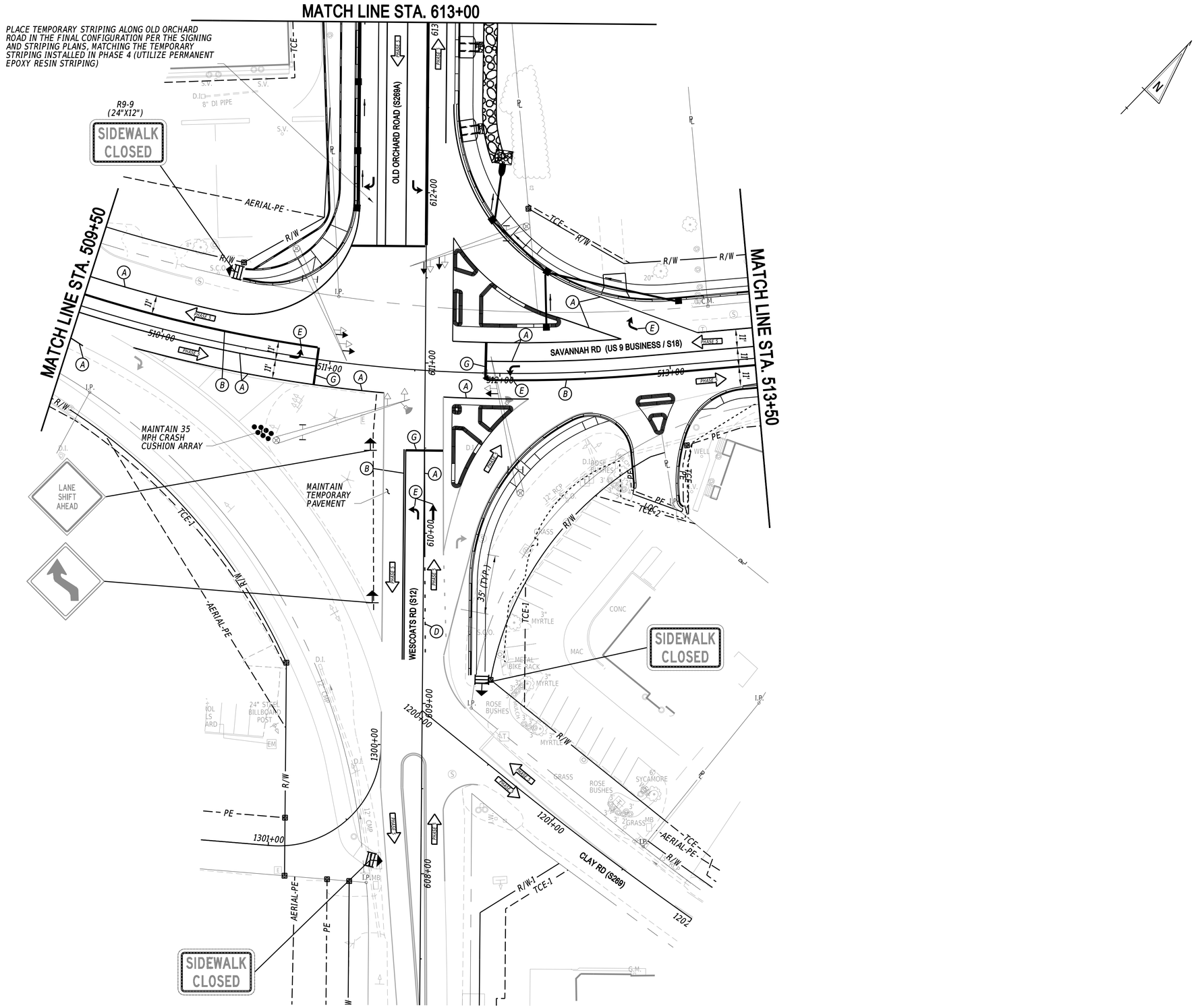
8/29/2024

TEMPORARY PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	860 LF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID DOUBLE LINE (ITEM 817042)	1,082 LF
(D)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 6' GAP (ITEM 817042)	8 LF
(E)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 817002)	74 SF
(G)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 817002)	42 SF
	REMOVAL OF PAVEMENT STRIPING (ITEM 817031)	1,033 SF



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ADDENDA / REVISIONS			

SCALE
0 30 60 90
FEET

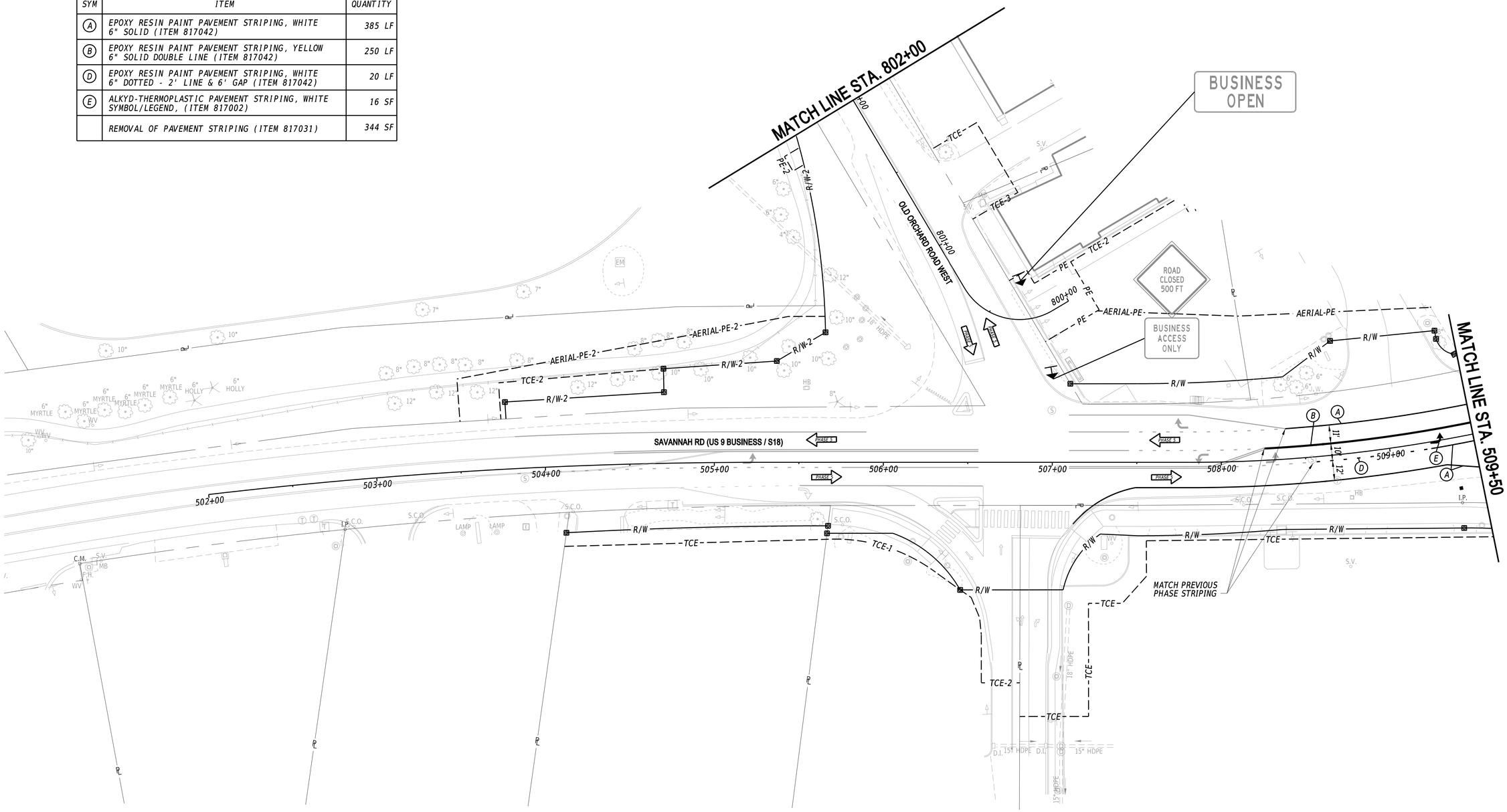
REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY:	J. SINCLAIR
COUNTY	CHECKED BY:	K. CLEVENGER
SUSSEX		

CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 5

SECTION
WRA
SHEET NO.
98

TEMPORARY PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	385 LF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID DOUBLE LINE (ITEM 817042)	250 LF
(D)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 6' GAP (ITEM 817042)	20 LF
(E)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 817002)	16 SF
	REMOVAL OF PAVEMENT STRIPING (ITEM 817031)	344 SF



ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 5	SECTION WRA
				COUNTY SUSSEX	DESIGNED BY: J. SINCLAIR		SHEET NO. 99
					CHECKED BY: K. CLEVENGER		

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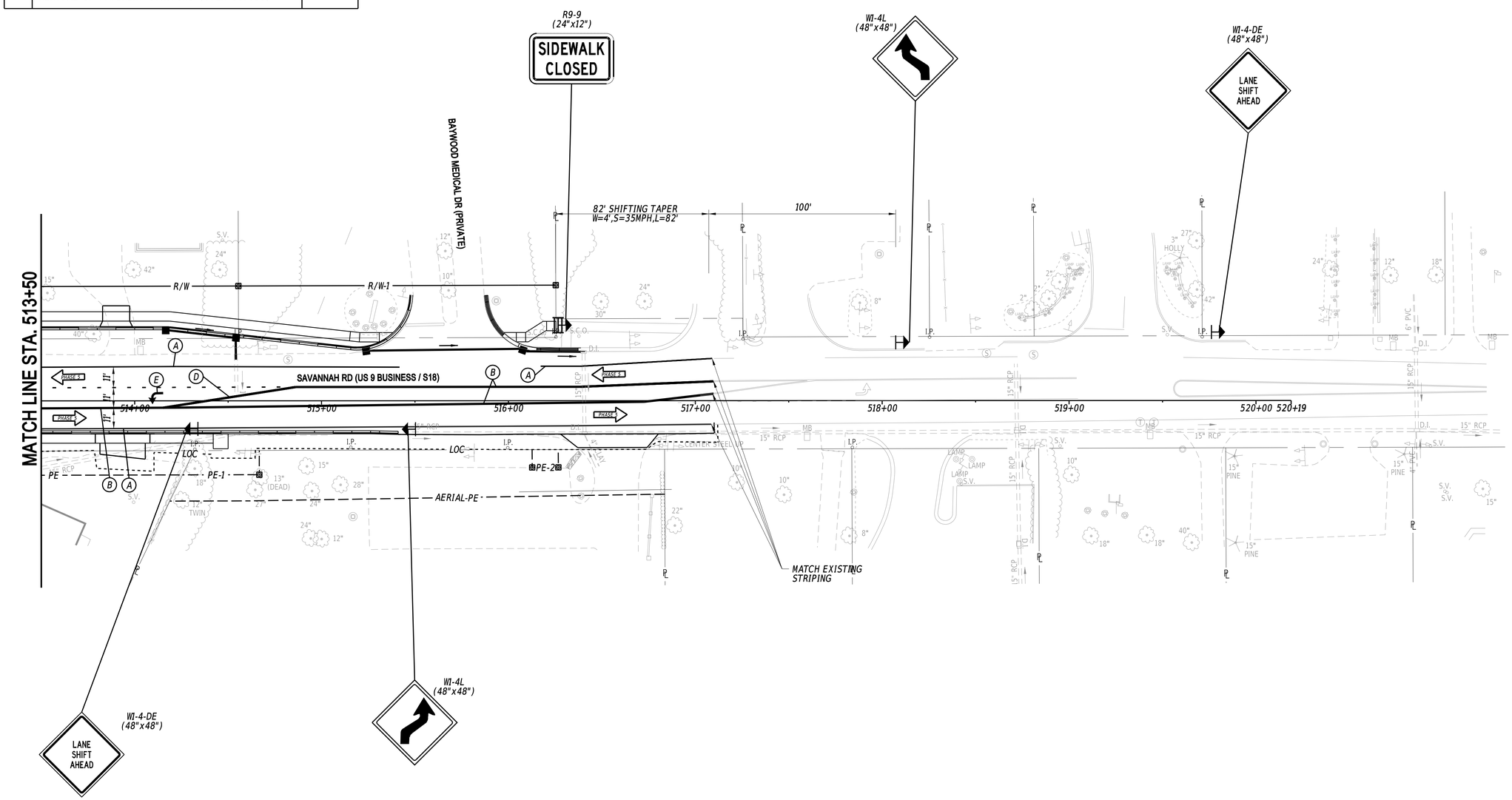
TEMPORARY PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	645 LF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID DOUBLE LINE (ITEM 817042)	1,300 LF
(D)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 6' GAP (ITEM 817042)	30 LF
(E)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 817002)	16 SF
	REMOVAL OF PAVEMENT STRIPING (ITEM 817031)	1,004 SF



ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 5	SECTION WRA
				COUNTY SUSSEX	DESIGNED BY: J. SINCLAIR		SHEET NO. 100
					CHECKED BY: K. CLEVENGER		

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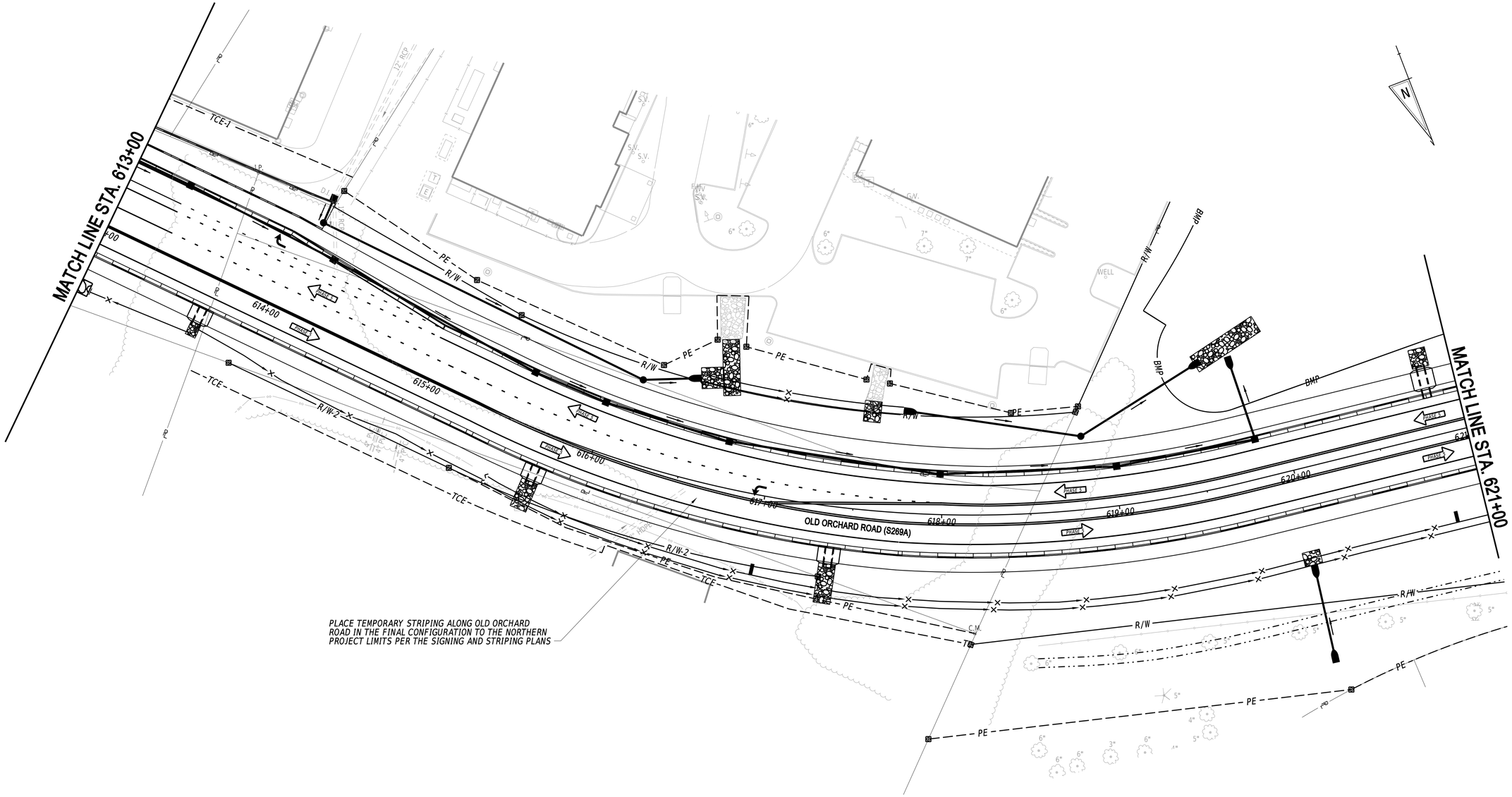

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY:	J. SINCLAIR
COUNTY	CHECKED BY:	K. CLEVENGER
SUSSEX		

CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 5

SECTION
WRA
SHEET NO.
101

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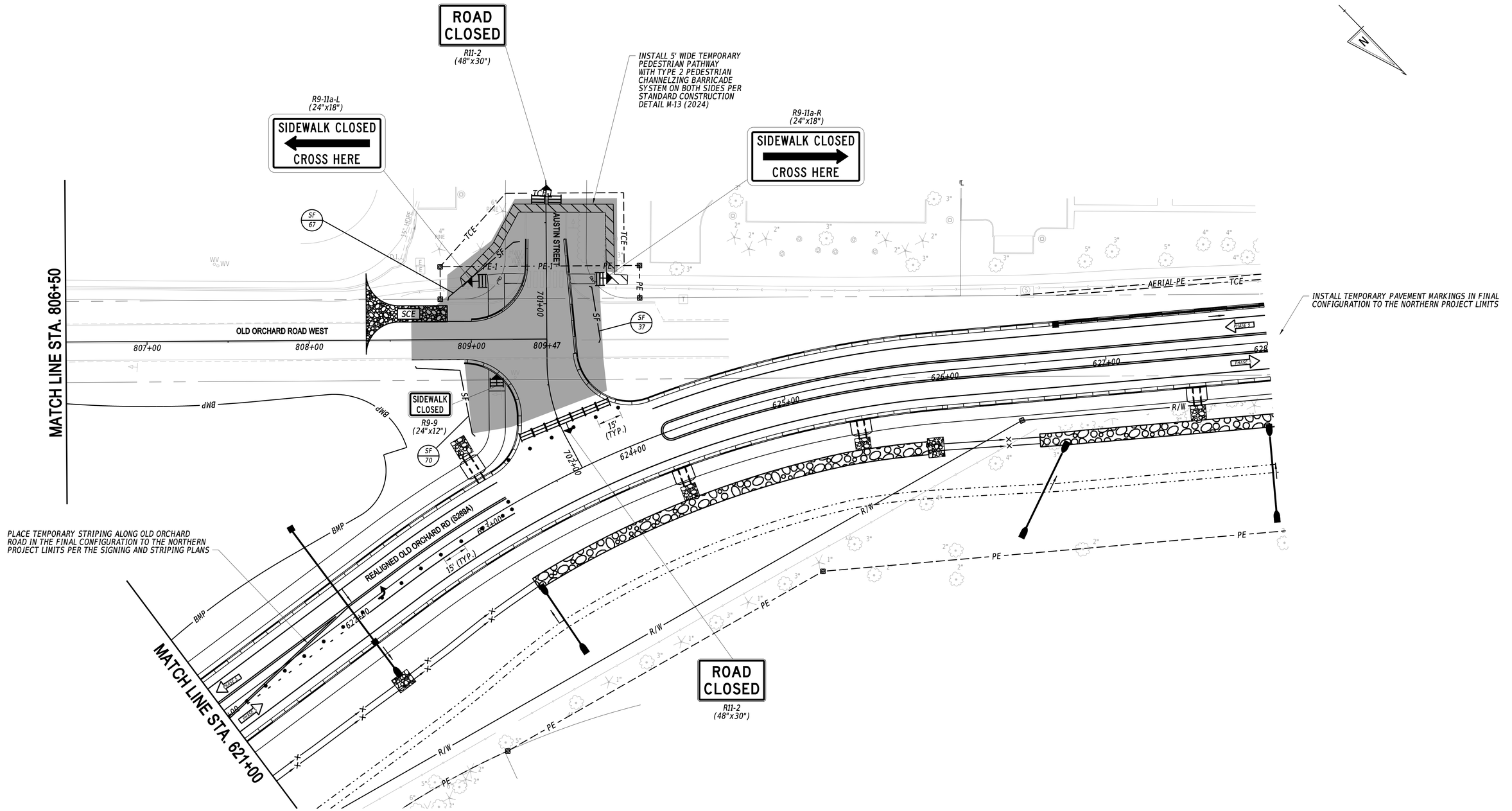

ADDENDA / REVISIONS	SCALE		CONTRACT	BRIDGE NO.	N/A		SECTION
	0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	T201609601	DESIGNED BY: J. SINCLAIR		CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 5	WRA
			COUNTY	CHECKED BY: K. CLEVENGER			SHEET NO.
			SUSSEX				102

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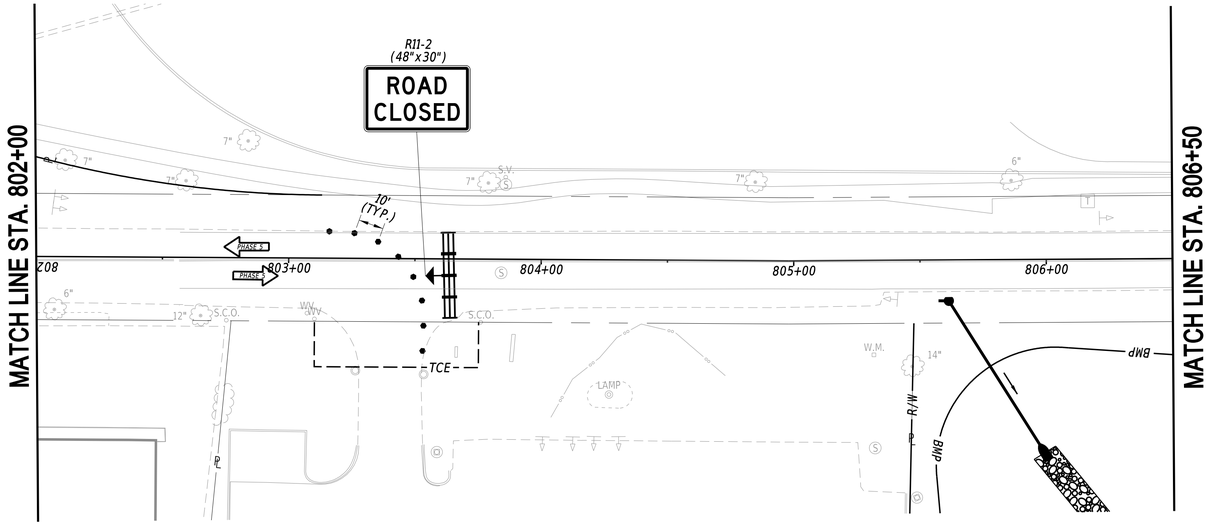

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ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 5	SECTION WRA
				COUNTY SUSSEX	DESIGNED BY: J. SINCLAIR		SHEET NO. 103
					CHECKED BY: K. CLEVENGER		

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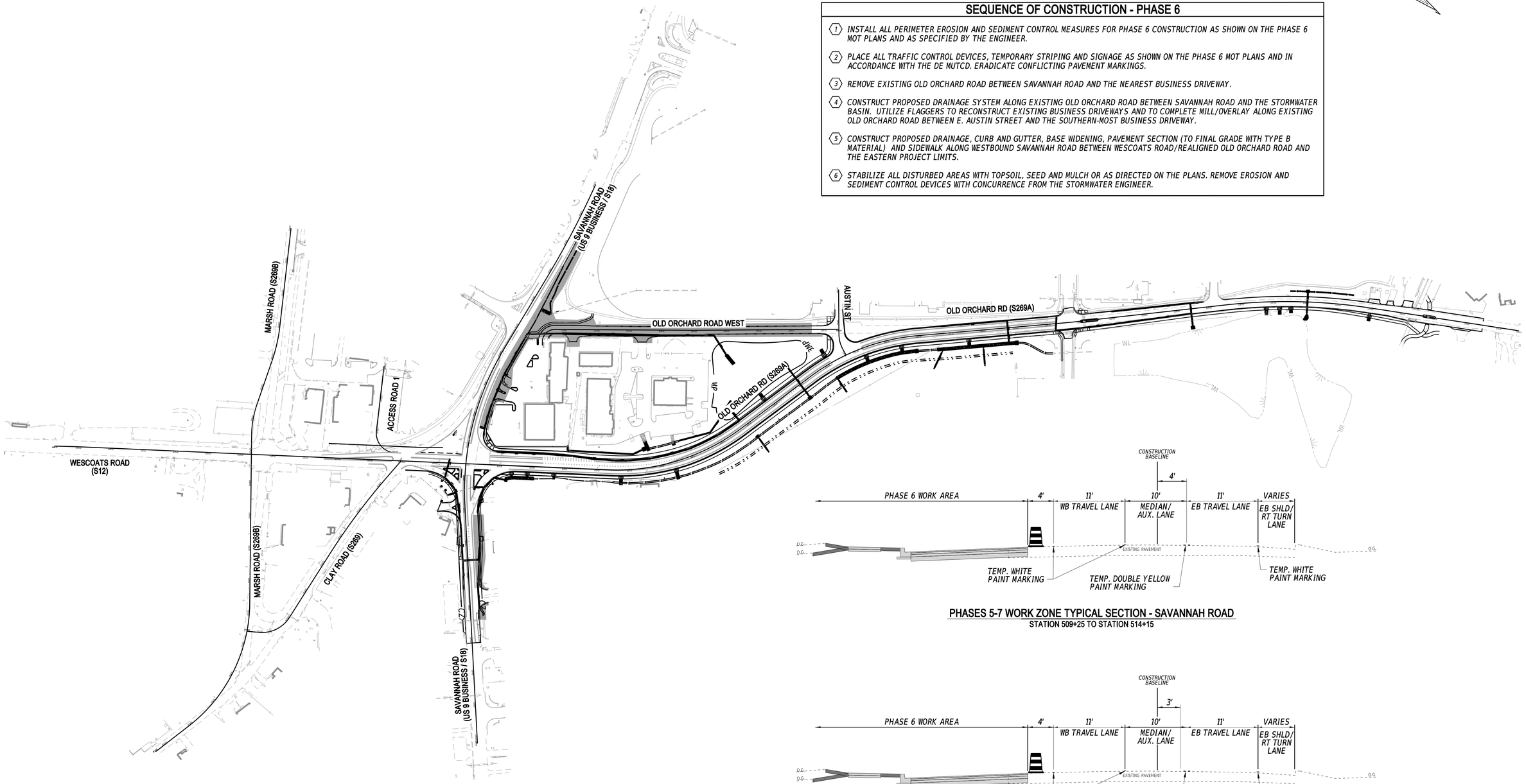
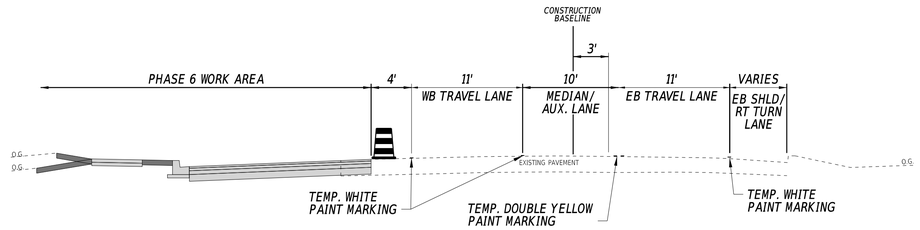
SEQUENCE OF CONSTRUCTION - PHASE 6

1. INSTALL ALL PERIMETER EROSION AND SEDIMENT CONTROL MEASURES FOR PHASE 6 CONSTRUCTION AS SHOWN ON THE PHASE 6 MOT PLANS AND AS SPECIFIED BY THE ENGINEER.
2. PLACE ALL TRAFFIC CONTROL DEVICES, TEMPORARY STRIPING AND SIGNAGE AS SHOWN ON THE PHASE 6 MOT PLANS AND IN ACCORDANCE WITH THE DE MUTCD. ERADICATE CONFLICTING PAVEMENT MARKINGS.
3. REMOVE EXISTING OLD ORCHARD ROAD BETWEEN SAVANNAH ROAD AND THE NEAREST BUSINESS DRIVEWAY.
4. CONSTRUCT PROPOSED DRAINAGE SYSTEM ALONG EXISTING OLD ORCHARD ROAD BETWEEN SAVANNAH ROAD AND THE STORMWATER BASIN. UTILIZE FLAGGERS TO RECONSTRUCT EXISTING BUSINESS DRIVEWAYS AND TO COMPLETE MILL/OVERLAY ALONG EXISTING OLD ORCHARD ROAD BETWEEN E. AUSTIN STREET AND THE SOUTHERN-MOST BUSINESS DRIVEWAY.
5. CONSTRUCT PROPOSED DRAINAGE, CURB AND GUTTER, BASE WIDENING, PAVEMENT SECTION (TO FINAL GRADE WITH TYPE B MATERIAL) AND SIDEWALK ALONG WESTBOUND SAVANNAH ROAD BETWEEN WESCOATS ROAD/REALIGNED OLD ORCHARD ROAD AND THE EASTERN PROJECT LIMITS.
6. STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH OR AS DIRECTED ON THE PLANS. REMOVE EROSION AND SEDIMENT CONTROL DEVICES WITH CONCURRENCE FROM THE STORMWATER ENGINEER.



PHASES 5-7 WORK ZONE TYPICAL SECTION - SAVANNAH ROAD
STATION 509+25 TO STATION 514+15



PHASES 5-7 WORK ZONE TYPICAL SECTION - SAVANNAH ROAD
STATION 505+50 TO STATION 508+50

ADDENDA / REVISIONS	

SCALE
0 150 300 450
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY:	J. SINCLAIR
COUNTY	CHECKED BY:	K. CLEVENGER
SUSSEX		

CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 6

SECTION
WRA
SHEET NO.
104

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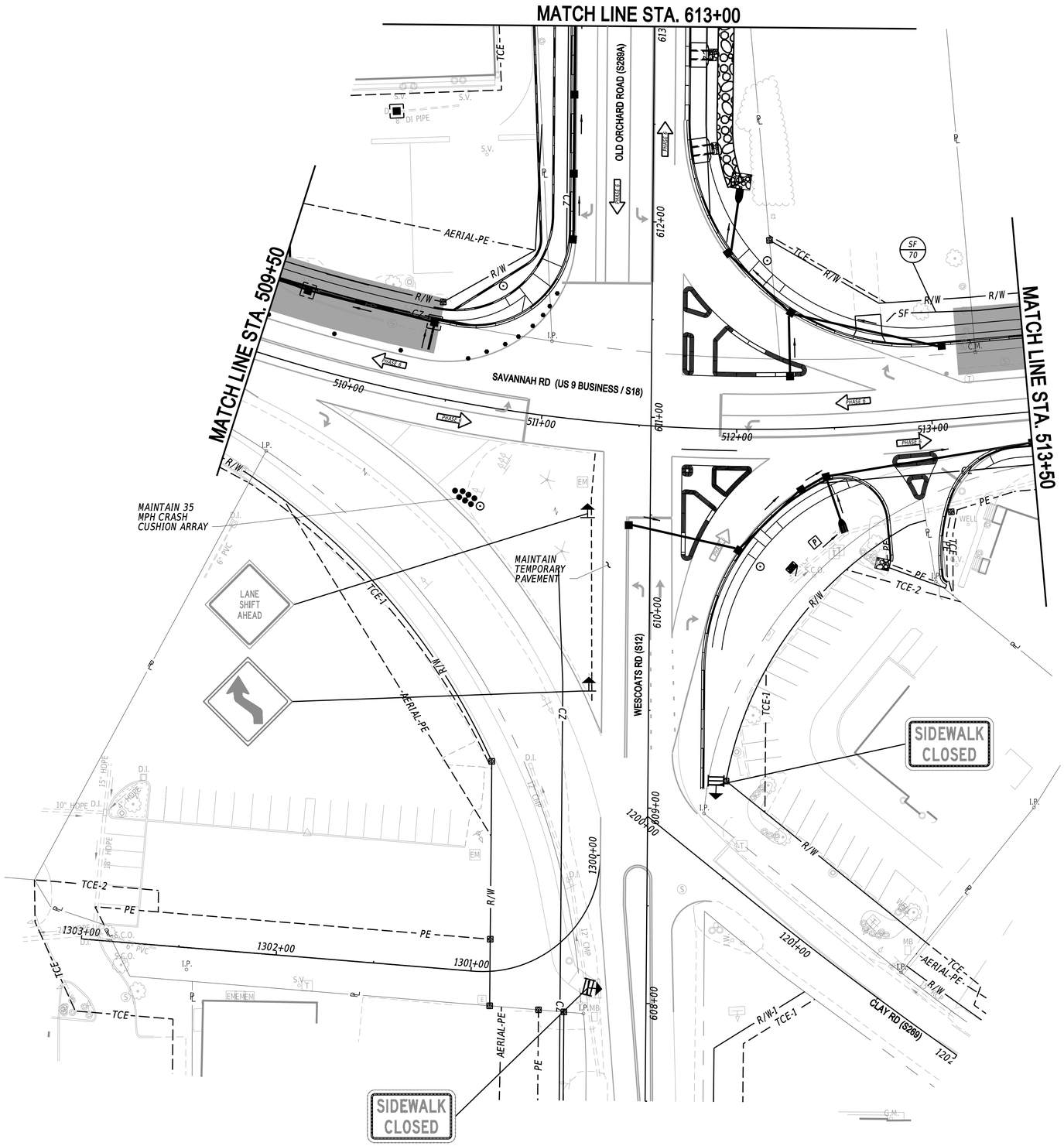

ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 6	SECTION WRA
				COUNTY SUSSEX	DESIGNED BY: J. SINCLAIR		SHEET NO. 105
					CHECKED BY: K. CLEVENGER		

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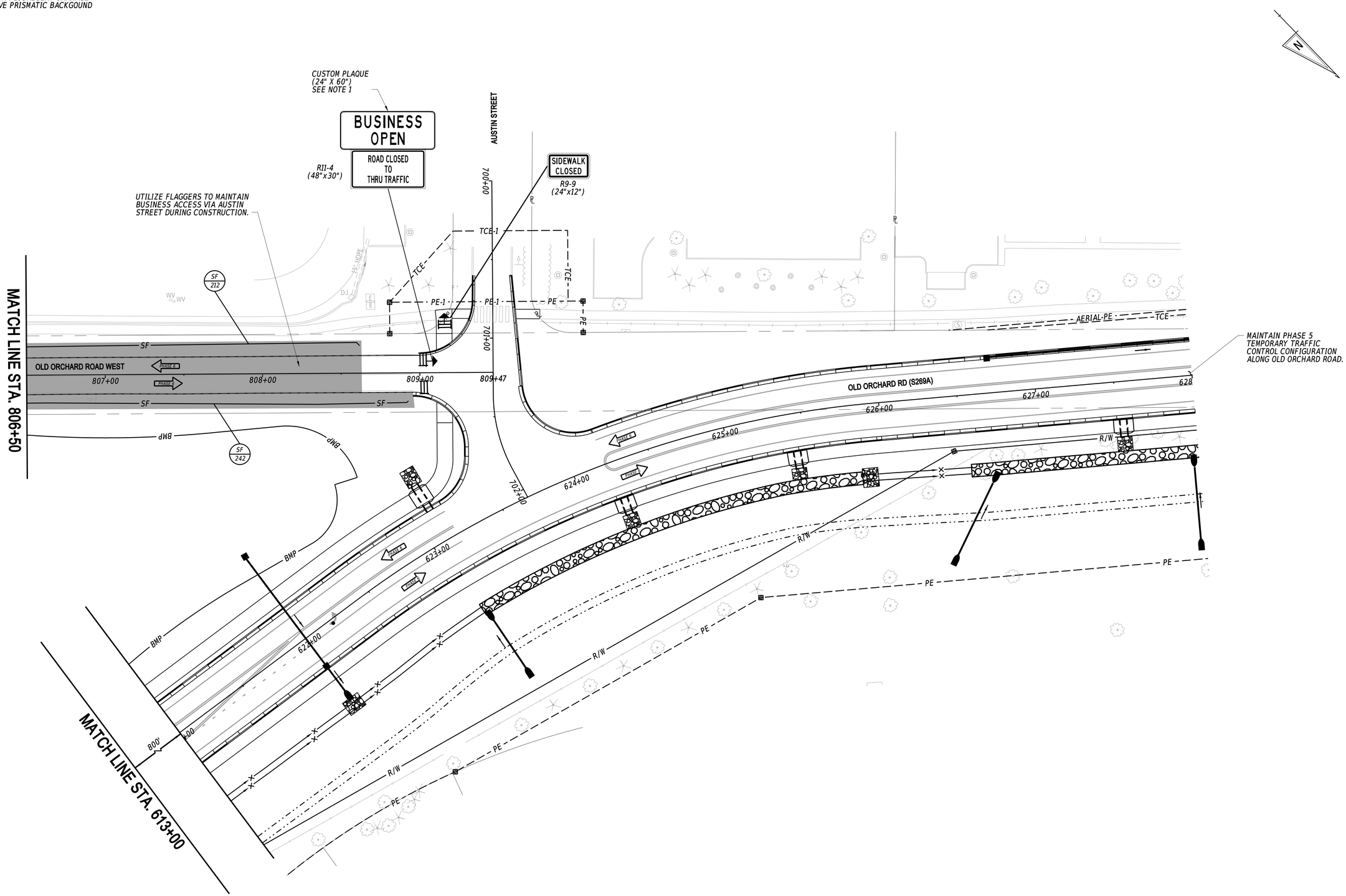
NOTES:
1. 8" D-SERIES
BLACK LEGEND ON FLOURECENT ORANAGE
RETROREFLECTIVE PRISMATIC BACKGOUND



ADDENDA / REVISIONS	SCALE	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT	BRIDGE NO. N/A	CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 6	SECTION
	0 30 60 90 FEET		T201609601	DESIGNED BY: J. SINCLAIR		WRA
			COUNTY	CHECKED BY: K. CLEVENGER		SHEET NO.
			SUSSEX			106

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TEMPORARY PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	246 LF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID DOUBLE LINE (ITEM 817042)	492 LF
	REMOVAL OF PAVEMENT STRIPING (ITEM 817031)	369 SF

UTILIZE FLAGGERS TO MAINTAIN BUSINESS ACCESS VIA AUSTIN STREET DURING CONSTRUCTION.

SIDEWALK CLOSED
R9-9 (24"x12")

R11-2 (48"x30")
ROAD CLOSED

MATCH LINE STA. 802+00

MATCH LINE STA. 509+50

OLD ORCHARD ROAD WEST

SAVANNAH RD (US 9 BUSINESS / S18)

PHASE 6

35' (TYP.)

TCE-1

TCE-2

TCE-3

TCE

R/W

R/W-2

AERIAL-PE-2

AERIAL-PE

PE

SF

CFL

SCE

502+00 503+00 504+00 505+00 506+00 507+00 508+00 509+00

800+00 801+00

SF 231

SF 110

SF 48

SF 20

15" HDPE

18" HDPE

S.V. S.C.O. I.P. C.M. MB WV WW LAMP EM WELL HB D.I. FD

N

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY:	J. SINCLAIR
COUNTY	CHECKED BY:	K. CLEVENGER
SUSSEX		

CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 6

SECTION
WRA
SHEET NO.
107

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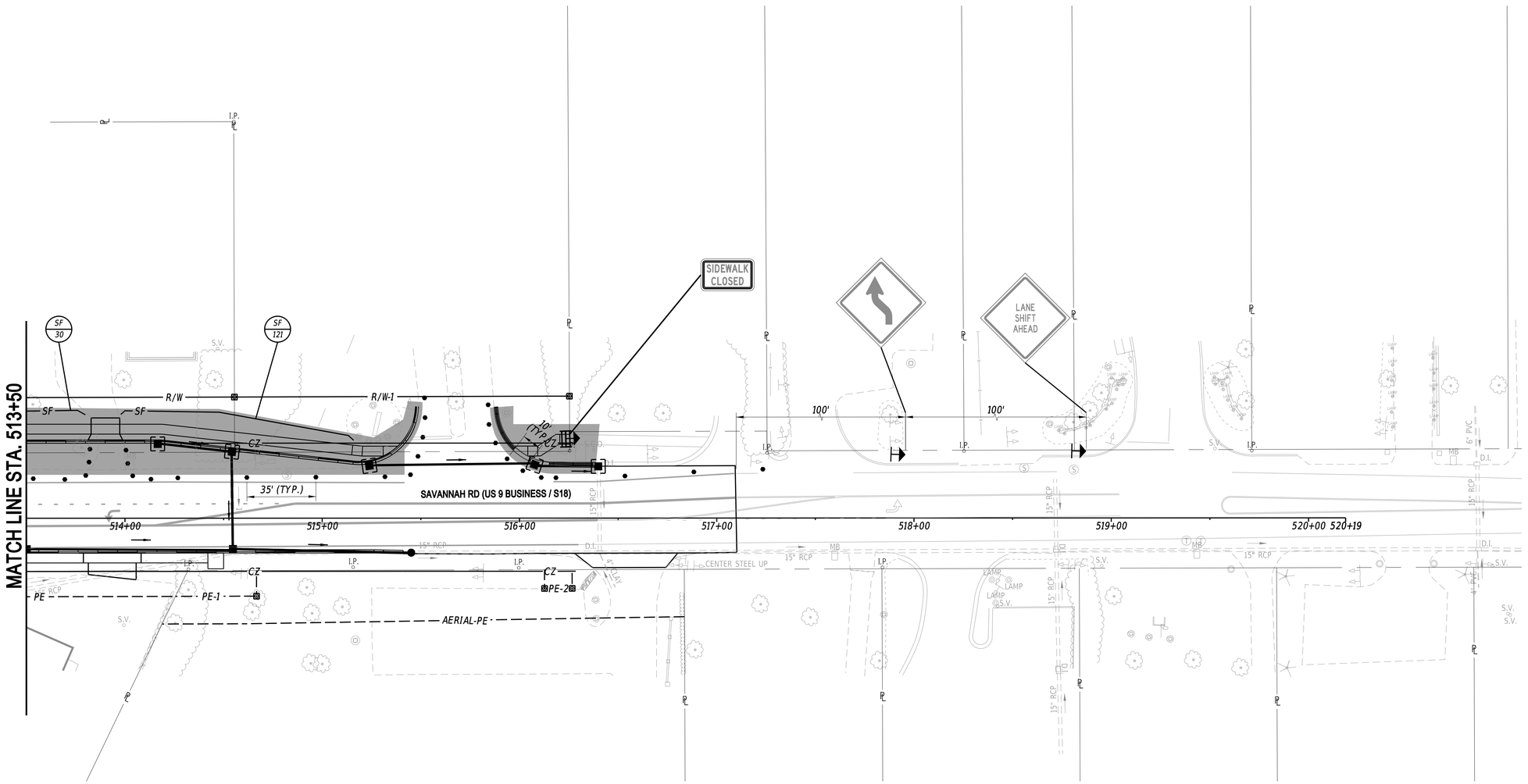

ADDENDA / REVISIONS	SCALE	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT	BRIDGE NO. N/A	CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 6	SECTION
	0 30 60 90 FEET		T201609601	DESIGNED BY: J. SINCLAIR		WRA
			COUNTY	CHECKED BY: K. CLEVENGER		SHEET NO.
			SUSSEX			108

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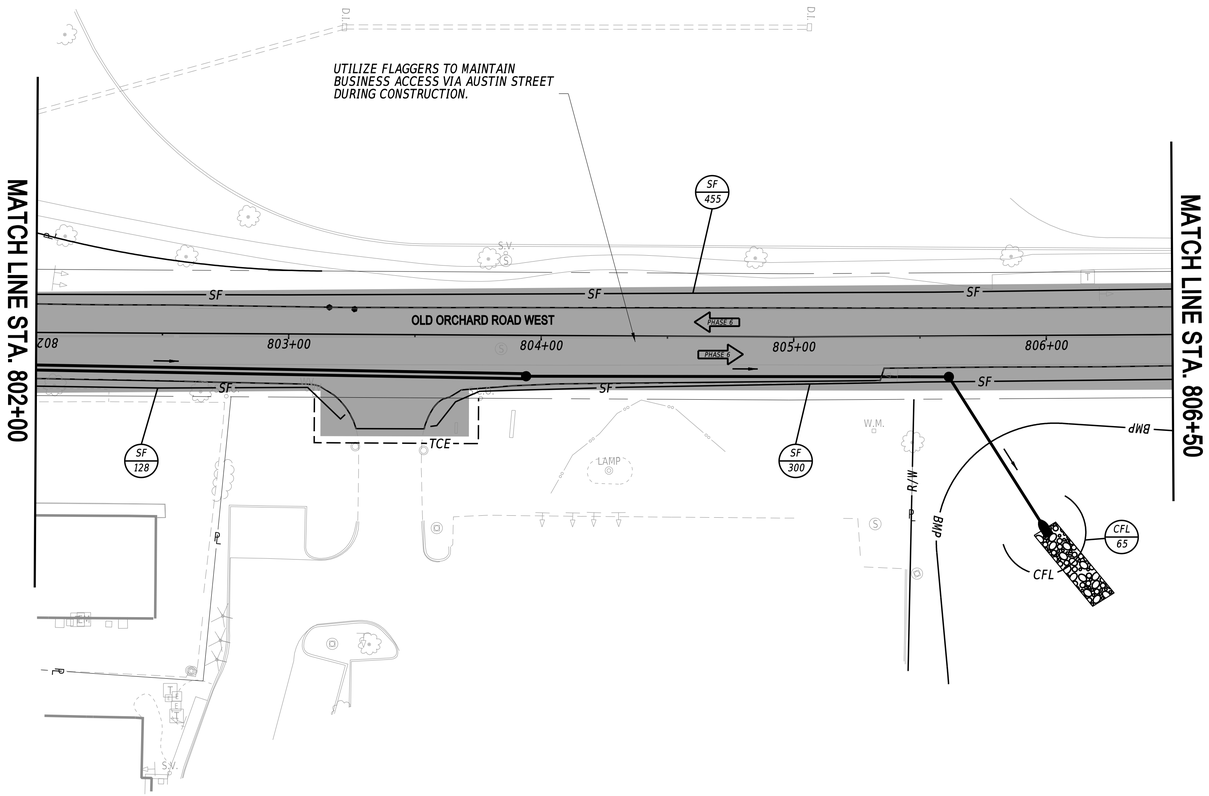

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY:	J. SINCLAIR
COUNTY	CHECKED BY:	K. CLEVENGER
SUSSEX		

CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 6

SECTION
WRA
SHEET NO.
109

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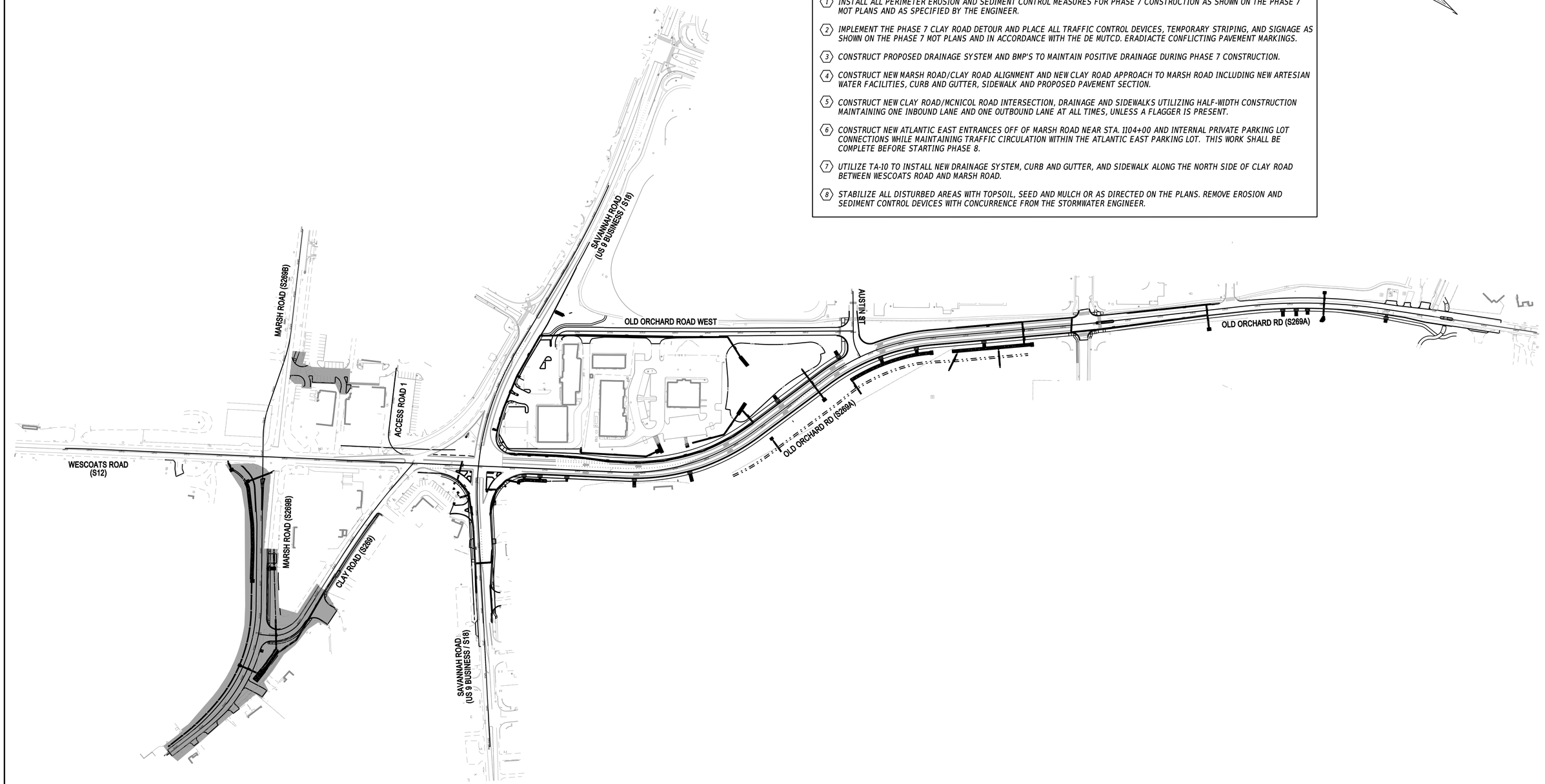
SEQUENCE OF CONSTRUCTION - PHASE 7

1. *INSTALL ALL PERIMETER EROSION AND SEDIMENT CONTROL MEASURES FOR PHASE 7 CONSTRUCTION AS SHOWN ON THE PHASE 7 MOT PLANS AND AS SPECIFIED BY THE ENGINEER.*
2. *IMPLEMENT THE PHASE 7 CLAY ROAD DETOUR AND PLACE ALL TRAFFIC CONTROL DEVICES, TEMPORARY STRIPING, AND SIGNAGE AS SHOWN ON THE PHASE 7 MOT PLANS AND IN ACCORDANCE WITH THE DE MUTCD. ERADIACTE CONFLICTING PAVEMENT MARKINGS.*
3. *CONSTRUCT PROPOSED DRAINAGE SYSTEM AND BMP'S TO MAINTAIN POSITIVE DRAINAGE DURING PHASE 7 CONSTRUCTION.*
4. *CONSTRUCT NEW MARSH ROAD/CLAY ROAD ALIGNMENT AND NEW CLAY ROAD APPROACH TO MARSH ROAD INCLUDING NEW ARTESIAN WATER FACILITIES, CURB AND GUTTER, SIDEWALK AND PROPOSED PAVEMENT SECTION.*
5. *CONSTRUCT NEW CLAY ROAD/MCNICOL ROAD INTERSECTION, DRAINAGE AND SIDEWALKS UTILIZING HALF-WIDTH CONSTRUCTION MAINTAINING ONE INBOUND LANE AND ONE OUTBOUND LANE AT ALL TIMES, UNLESS A FLAGGER IS PRESENT.*
6. *CONSTRUCT NEW ATLANTIC EAST ENTRANCES OFF OF MARSH ROAD NEAR STA. 1104+00 AND INTERNAL PRIVATE PARKING LOT CONNECTIONS WHILE MAINTAINING TRAFFIC CIRCULATION WITHIN THE ATLANTIC EAST PARKING LOT. THIS WORK SHALL BE COMPLETE BEFORE STARTING PHASE 8.*
7. *UTILIZE TA-10 TO INSTALL NEW DRAINAGE SYSTEM, CURB AND GUTTER, AND SIDEWALK ALONG THE NORTH SIDE OF CLAY ROAD BETWEEN WESCOATS ROAD AND MARSH ROAD.*
8. *STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH OR AS DIRECTED ON THE PLANS. REMOVE EROSION AND SEDIMENT CONTROL DEVICES WITH CONCURRENCE FROM THE STORMWATER ENGINEER.*



ADDENDA / REVISIONS		SCALE 0 150 300 450 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 7	SECTION WRA
				COUNTY SUSSEX	DESIGNED BY: J. SINCLAIR		SHEET NO. 110
					CHECKED BY: K. CLEVENGER		

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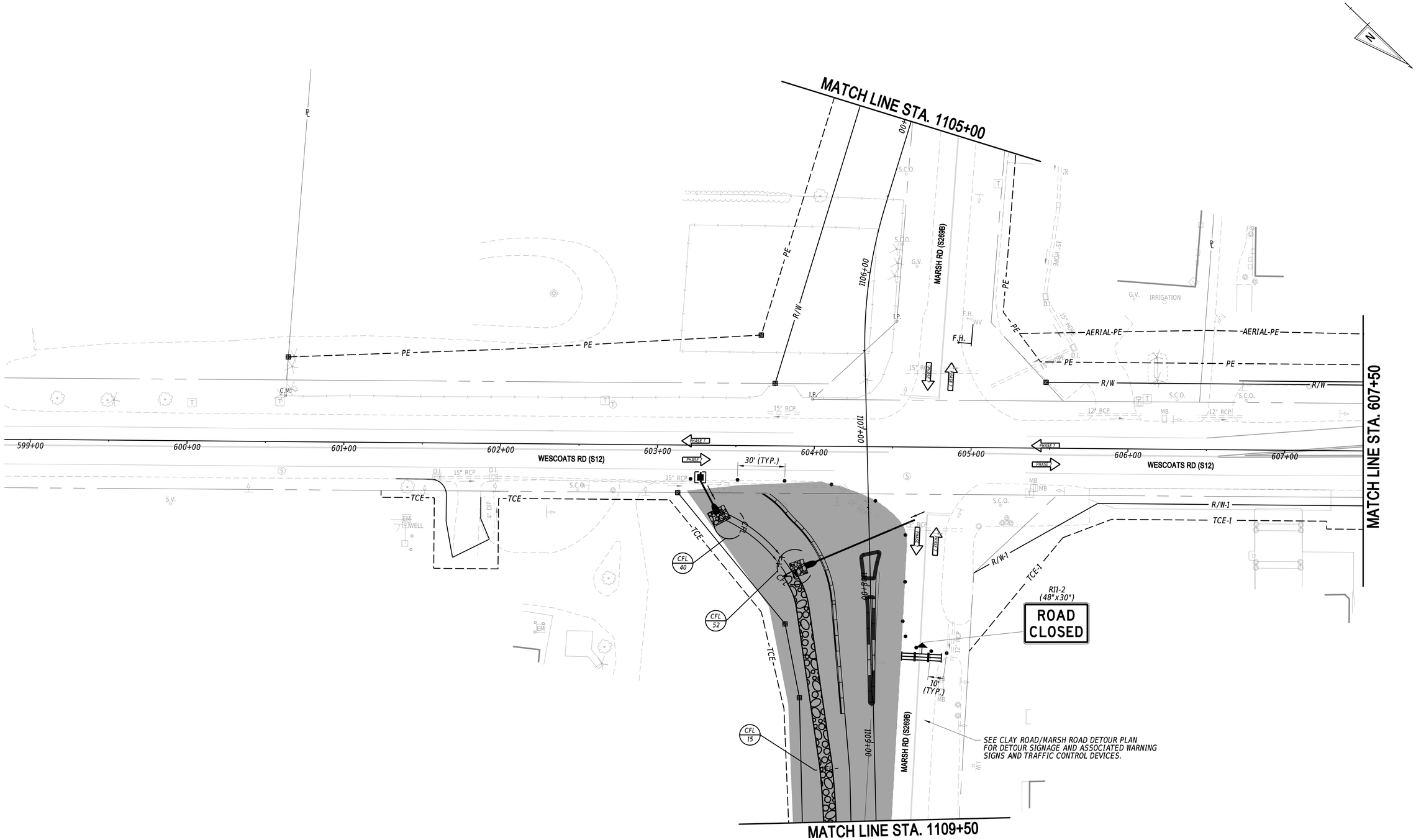

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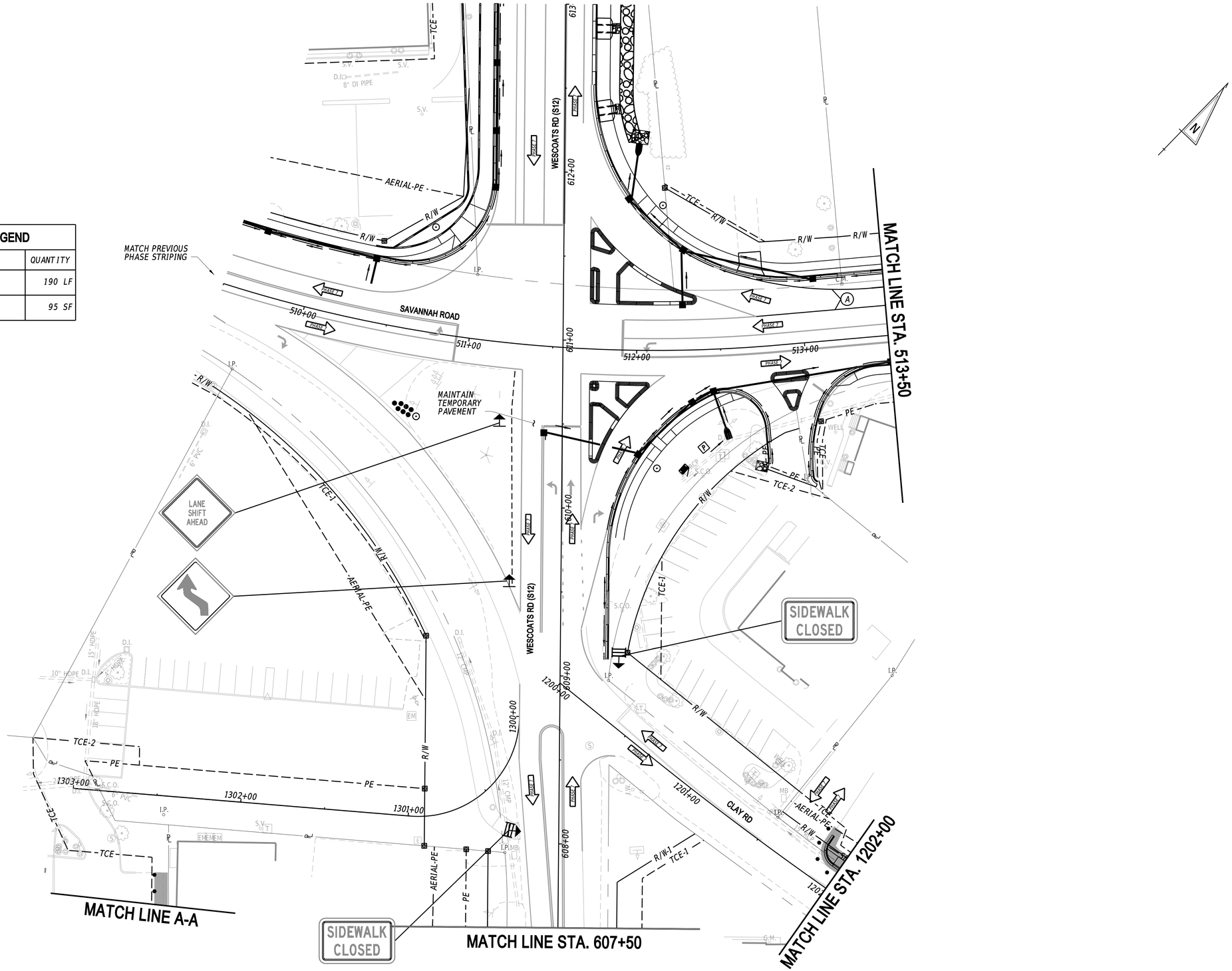
ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 7	SECTION WRA
				COUNTY SUSSEX	DESIGNED BY: J. SINCLAIR		SHEET NO. 111
					CHECKED BY: K. CLEVENGER		

TEMPORARY PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	190 LF
	REMOVAL OF PAVEMENT STRIPING (ITEM 817031)	95 SF



ADDENDA / REVISIONS			

SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY:	J. SINCLAIR
COUNTY	CHECKED BY:	K. CLEVENGER
SUSSEX		

CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 7

SECTION
WRA
SHEET NO.
112

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8/29/2024
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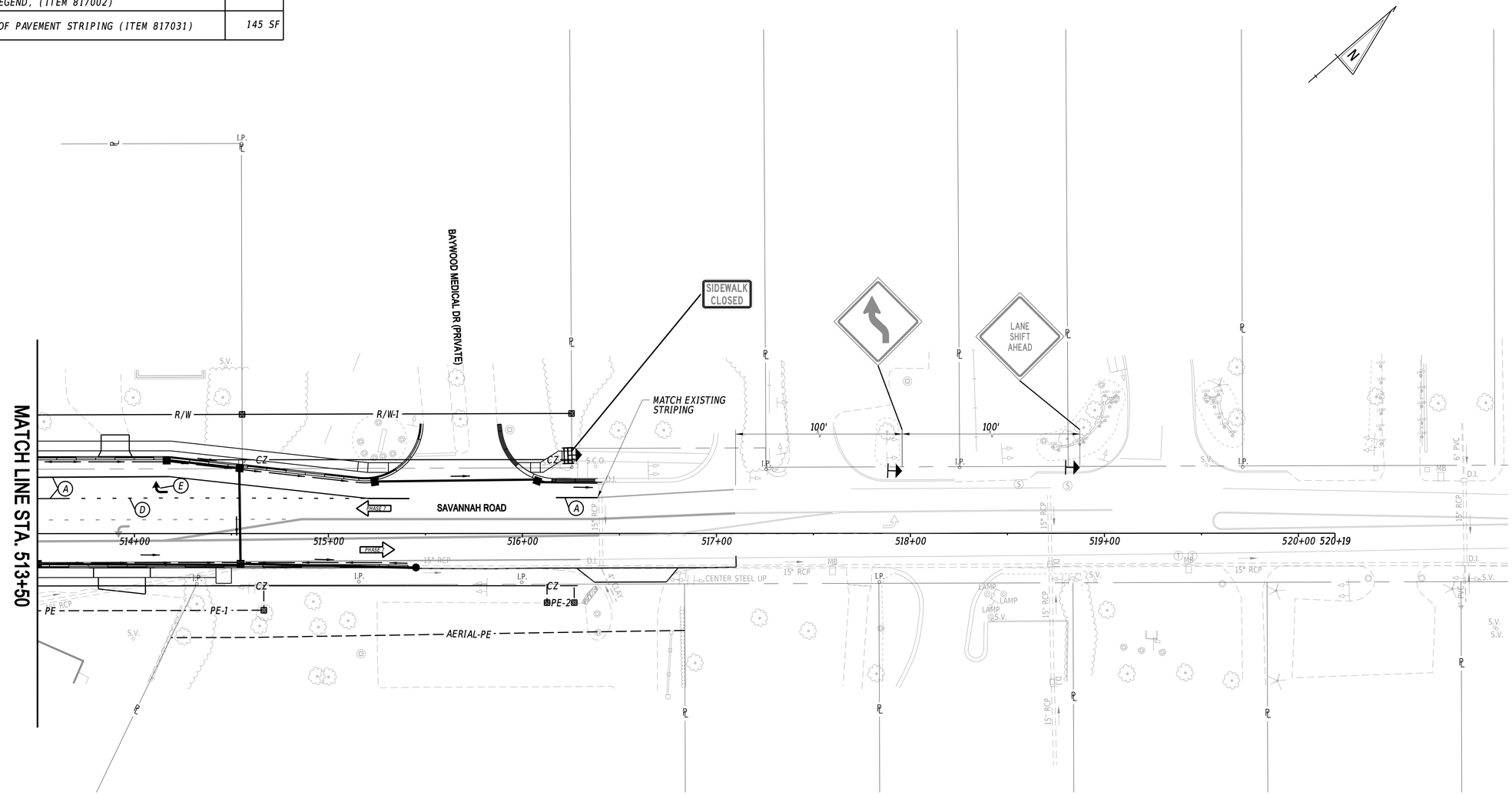
TEMPORARY PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	230 LF
(D)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 6' GAP (ITEM 817042)	39 LF
(E)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 817002)	16 SF
	REMOVAL OF PAVEMENT STRIPING (ITEM 817031)	145 SF



ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY:	J. SINCLAIR
COUNTY	CHECKED BY:	K. CLEVENGER
SUSSEX		

CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 7

SECTION
WRA
SHEET NO.
113

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MATCH LINE A-A

N

R11-2
(48"X30")
ROAD
CLOSED

SIDEWALK
CLOSED
R9-9
(24"x12")

PHASE 7

MARSH RD (S269B)

1100+00 1101+00 1102+00 1103+00 1104+00 1105+00

MATCH LINE STA. 1105+00

TCE
TCE-2
PE
R/W
TCE-1
6" PVC
15" RCP
WELL
G.V.
WV
I.P.
S.C.O.
C.B.
P.L.

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY:	J. SINCLAIR
COUNTY	CHECKED BY:	K. CLEVENGER
SUSSEX		

CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 7

SECTION
WRA
SHEET NO.
114

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MATCH LINE STA. 1202+00

MATCH LINE STA. 1109+50

SF 213

SF 98

SF 280

SF 92

SF 55

SF 37

SF 69

CFL 24

CFL 34

CFL 60

CFL 15

CFL 42

CFL 69

30' (TYP.)

10' (TYP.)

TCE

R/W

PE

SF

CFL

TCE-2

R/W-2

12" TU-W

SR-W

1202+00

1203+00

1204+00

1205+00

1206+00

1207+00

1207+41

1110+00

1111+00

1112+00

1113+00

1114+00

1115+00

1116+00

1116+36

THE CONTRACTOR SHALL MAINTAIN ACCESS TO RESIDENTIAL AND COMMERCIAL PARCELS AT ALL TIMES.

THE CONTRACTOR SHALL MAINTAIN ACCESS TO RESIDENTIAL AND COMMERCIAL PARCELS AT ALL TIMES VIA A 10-FOOT WIDE, TWO-WAY ACCESS LANE DELINEATED FROM THE WORK AREA WITH DRUMS.

SEE CLAY ROAD/MARSH ROAD DETOUR PLAN FOR DETOUR SIGNAGE AND ASSOCIATED WARNING SIGNS AND TRAFFIC CONTROL DEVICES.

MCNICOL RD

CLAY RD (S269)

MARSH RD (S269B)

SIDEWALK CLOSED

R9-9 (24"x12")

R11-2 (48"x30")

ROAD CLOSED

41
335-6.00-39.01
CLAY ROAD HOLDINGS, LLC
D.B. 3242-67

ADDENDA / REVISIONS	

SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY:	J. SINCLAIR
COUNTY	CHECKED BY:	K. CLEVENGER
SUSSEX		

CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 7

SECTION
WRA
SHEET NO.
115

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8/29/2024
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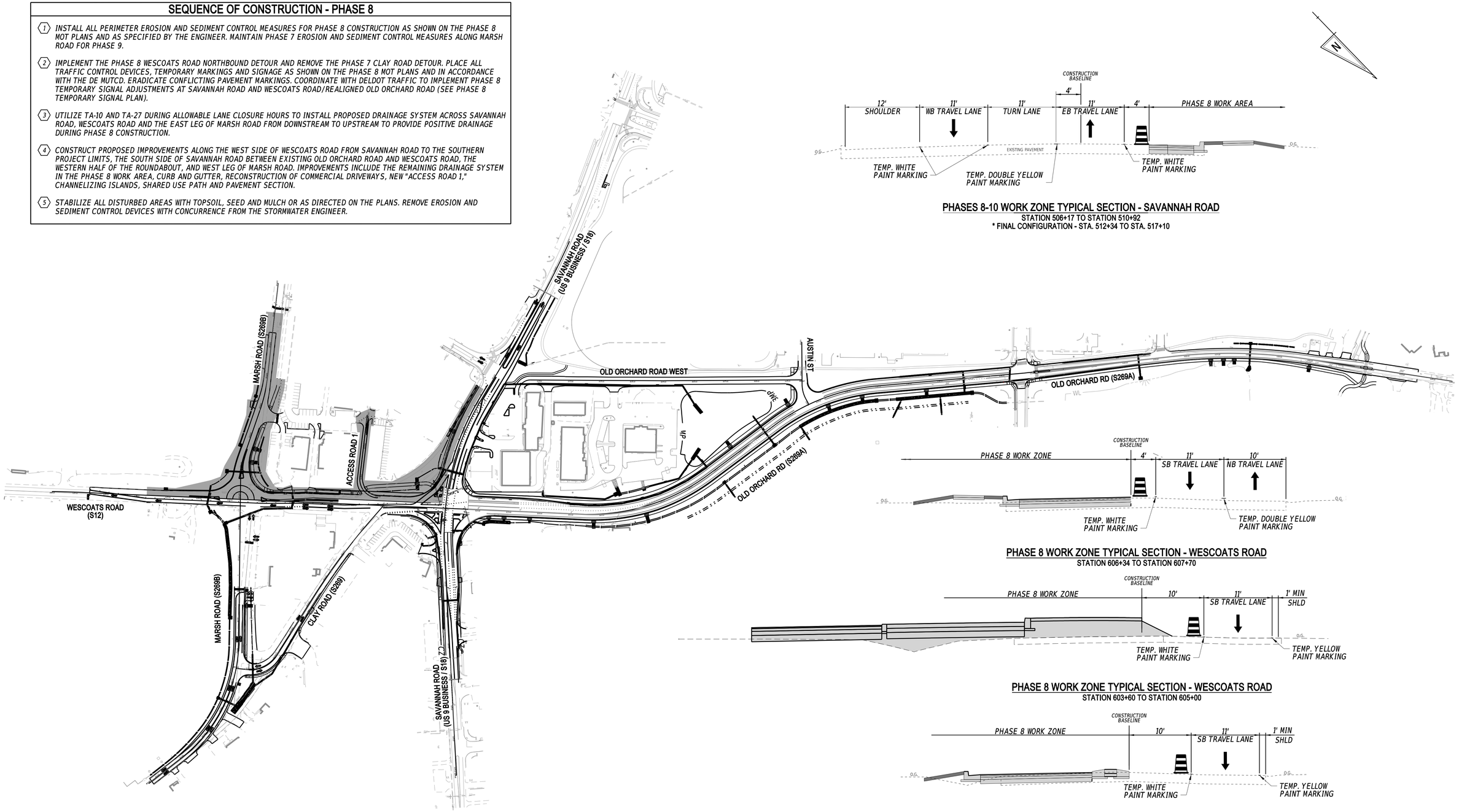
SEQUENCE OF CONSTRUCTION - PHASE 8

1. INSTALL ALL PERIMETER EROSION AND SEDIMENT CONTROL MEASURES FOR PHASE 8 CONSTRUCTION AS SHOWN ON THE PHASE 8 MOT PLANS AND AS SPECIFIED BY THE ENGINEER. MAINTAIN PHASE 7 EROSION AND SEDIMENT CONTROL MEASURES ALONG MARSH ROAD FOR PHASE 9.
2. IMPLEMENT THE PHASE 8 WESCOATS ROAD NORTHBOUND DETOUR AND REMOVE THE PHASE 7 CLAY ROAD DETOUR. PLACE ALL TRAFFIC CONTROL DEVICES, TEMPORARY MARKINGS AND SIGNAGE AS SHOWN ON THE PHASE 8 MOT PLANS AND IN ACCORDANCE WITH THE DE MUTCD. ERADICATE CONFLICTING PAVEMENT MARKINGS. COORDINATE WITH DELDOT TRAFFIC TO IMPLEMENT PHASE 8 TEMPORARY SIGNAL ADJUSTMENTS AT SAVANNAH ROAD AND WESCOATS ROAD/REALIGNED OLD ORCHARD ROAD (SEE PHASE 8 TEMPORARY SIGNAL PLAN).
3. UTILIZE TA-10 AND TA-27 DURING ALLOWABLE LANE CLOSURE HOURS TO INSTALL PROPOSED DRAINAGE SYSTEM ACROSS SAVANNAH ROAD, WESCOATS ROAD AND THE EAST LEG OF MARSH ROAD FROM DOWNSTREAM TO UPSTREAM TO PROVIDE POSITIVE DRAINAGE DURING PHASE 8 CONSTRUCTION.
4. CONSTRUCT PROPOSED IMPROVEMENTS ALONG THE WEST SIDE OF WESCOATS ROAD FROM SAVANNAH ROAD TO THE SOUTHERN PROJECT LIMITS, THE SOUTH SIDE OF SAVANNAH ROAD BETWEEN EXISTING OLD ORCHARD ROAD AND WESCOATS ROAD, THE WESTERN HALF OF THE ROUNDABOUT, AND WEST LEG OF MARSH ROAD. IMPROVEMENTS INCLUDE THE REMAINING DRAINAGE SYSTEM IN THE PHASE 8 WORK AREA, CURB AND GUTTER, RECONSTRUCTION OF COMMERCIAL DRIVEWAYS, NEW "ACCESS ROAD 1," CHANNELIZING ISLANDS, SHARED USE PATH AND PAVEMENT SECTION.
5. STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH OR AS DIRECTED ON THE PLANS. REMOVE EROSION AND SEDIMENT CONTROL DEVICES WITH CONCURRENCE FROM THE STORMWATER ENGINEER.



PHASES 8-10 WORK ZONE TYPICAL SECTION - SAVANNAH ROAD
STATION 506+17 TO STATION 510+92
* FINAL CONFIGURATION - STA. 512+34 TO STA. 517+10

PHASE 8 WORK ZONE TYPICAL SECTION - WESCOATS ROAD
STATION 606+34 TO STATION 607+70

PHASE 8 WORK ZONE TYPICAL SECTION - WESCOATS ROAD
STATION 603+60 TO STATION 605+00

PHASE 8 WORK ZONE TYPICAL SECTION - WESCOATS ROAD
STATION 601+30 TO STATION 603+60

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ADDENDA / REVISIONS	

SCALE
0 150 300 450
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY:	J. SINCLAIR
COUNTY	CHECKED BY:	K. CLEVENGER
SUSSEX		

CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 8

SECTION
WRA
SHEET NO.
116

TEMPORARY PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	803 LF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID DOUBLE LINE (ITEM 817042)	232 LF
(H)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 2' LINE & 2' GAP (ITEM 817043)	32 LF
(I)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	583 LF
(L)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" DOTTED - 2' LINE & 6' GAP (ITEM 817042)	29 LF
	REMOVAL OF PAVEMENT STRIPING (ITEM 817031)	839 SF

PLACE TEMPORARY PAVEMENT MARKINGS TO MATCH FINAL CONFIGURATION AS SHOWN ON THE SIGNING AND STRIPING PLANS TO THE WESTERN PROJECT LIMITS AT THE END OF PHASE 8.

MATCH LINE STA. 1105+00

SEE WESCOATS ROAD NORTHBOUND DETOUR PLAN FOR DETOUR SIGNAGE AND ASSOCIATED WARNING SIGNS AND TRAFFIC CONTROL DEVICES.

R11-2 (48"x30") ROAD CLOSED

W1-4R (48"x48")

W1-4-DE (48"x48") LANE SHIFT AHEAD

183' LANE SHIFT TAPER (18' OFFSET @ 35 MPH)

100'

100'

WESCOATS RD (S12)

MARSH RD (S269B)

R11-2 (48"x30") ROAD CLOSED

R11-2 (48"x30") ROAD CLOSED

R6-2L (36"x48") ONE WAY

WESCOATS RD (S42)

599+00 600+00 601+00 602+00 603+00 604+00 605+00 606+00 607+00

1106+00 1107+00 1108+00 1109+00

30' (TYP.)

TCE

TCE-1

R/W

R/W-1

AERIAL-PE

PE

SF

CFL 37 CFL 40 CFL 31 CFL 38 CFL 48

SF 80 SF 200

PHASE 8

SEE WESCOATS ROAD NORTHBOUND DETOUR PLAN FOR DETOUR SIGNAGE AND ASSOCIATED WARNING SIGNS AND TRAFFIC CONTROL DEVICES.

DO NOT ENTER (2) R5-1 (36"x36")

R3-1 (24"x24") *INSTALL ON EX STOP SIGN

ROAD CLOSED R11-2 (48"x30")

MATCH LINE STA. 1109+50

MATCH LINE STA. 607+50

N

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY:	J. SINCLAIR
COUNTY	CHECKED BY:	K. CLEVENGER
SUSSEX		

CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 8

SECTION
WRA
SHEET NO.
117

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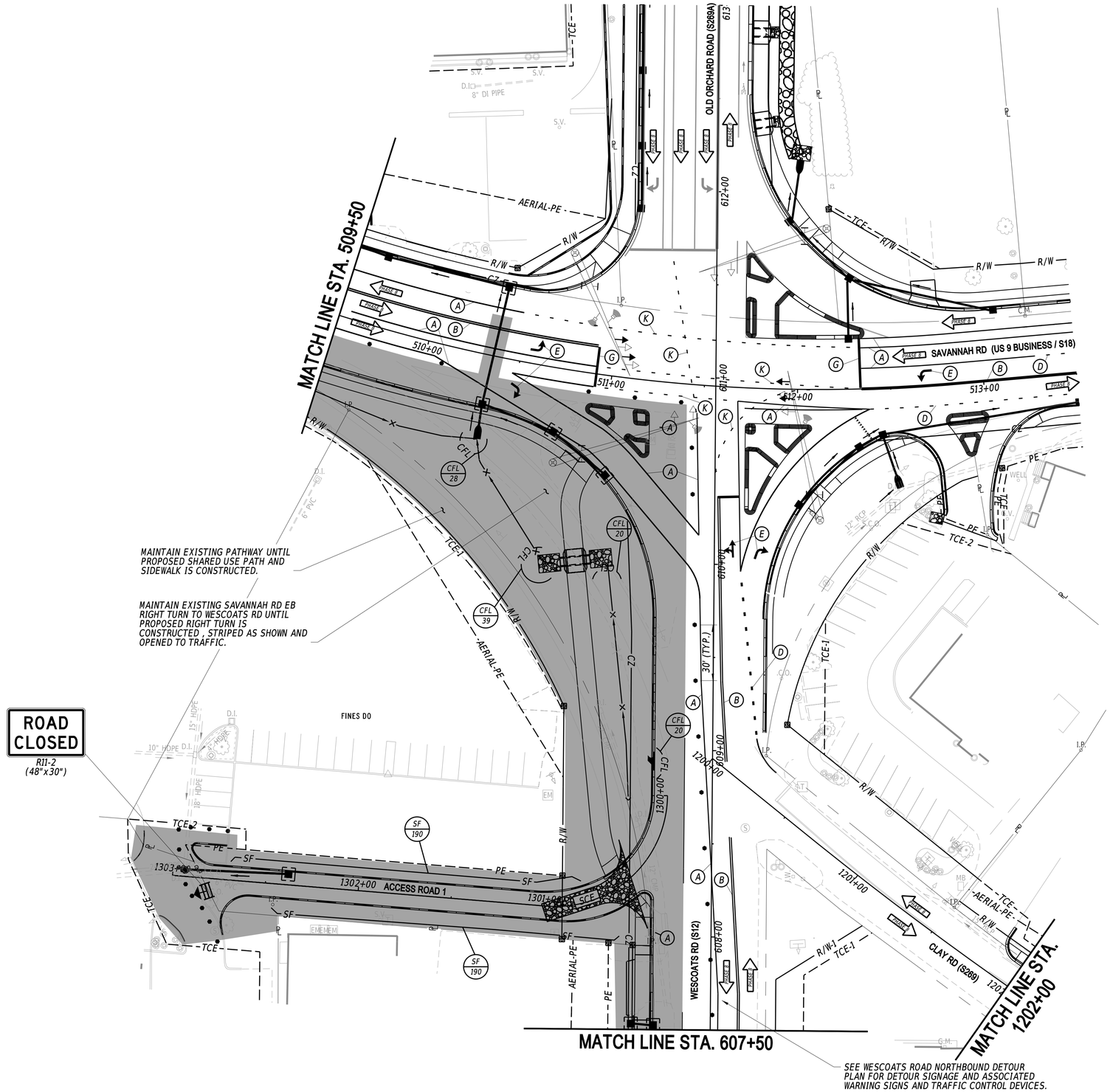
TEMPORARY PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	1,612 LF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID DOUBLE LINE (ITEM 817042)	1,004 LF
(D)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 6' GAP (ITEM 817042)	57 LF
(E)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 817002)	82 SF
(G)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 817002)	78 SF
(K)	PERMANENT PAVEMENT STRIPING, ALKYD-THERMOPLASTIC, WHITE 6" DOTTED, 2' LINE & 6' GAP TURNING TRACKS (817038)	72 LF
	REMOVAL OF PAVEMENT STRIPING (ITEM 817031)	1,436 SF



ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 8	SECTION WRA
				COUNTY SUSSEX	DESIGNED BY: J. SINCLAIR		SHEET NO. 118
					CHECKED BY: K. CLEVENGER		

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TEMPORARY PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	1,392 LF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID DOUBLE LINE (ITEM 817042)	2,350 LF
(G)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 817002)	30 SF
	REMOVAL OF PAVEMENT STRIPING (ITEM 817031)	500 SF

MATCH LINE STA. 1202+00

MATCH LINE STA. 1109+50

SEE WESCOATS ROAD NORTHBOUND DETOUR PLAN FOR DETOUR SIGNAGE AND ASSOCIATED WARNING SIGNS AND TRAFFIC CONTROL DEVICES.

SIDEWALK CLOSED
R9-9 (24"x12")

ROAD CLOSED
R11-2 (48"x30")

CLAY RD (S269)

MARSH RD (S269B)

TCE-2

R/W-2

TCE

R/W

PE

AERIAL-PE

PHASE 8

1203+00 1204+00 1205+00 1206+00 1207+41 1111+00 1112+00 1113+00 1114+00 1115+00 1116+00 1117+00 1117+36

ADDENDA / REVISIONS	SCALE	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT	BRIDGE NO.	N/A	CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 8	SECTION
	0 30 60 90 FEET		T201609601	DESIGNED BY: J. SINCLAIR			WRA
			COUNTY	CHECKED BY: K. CLEVENGER			SHEET NO.
			SUSSEX				119

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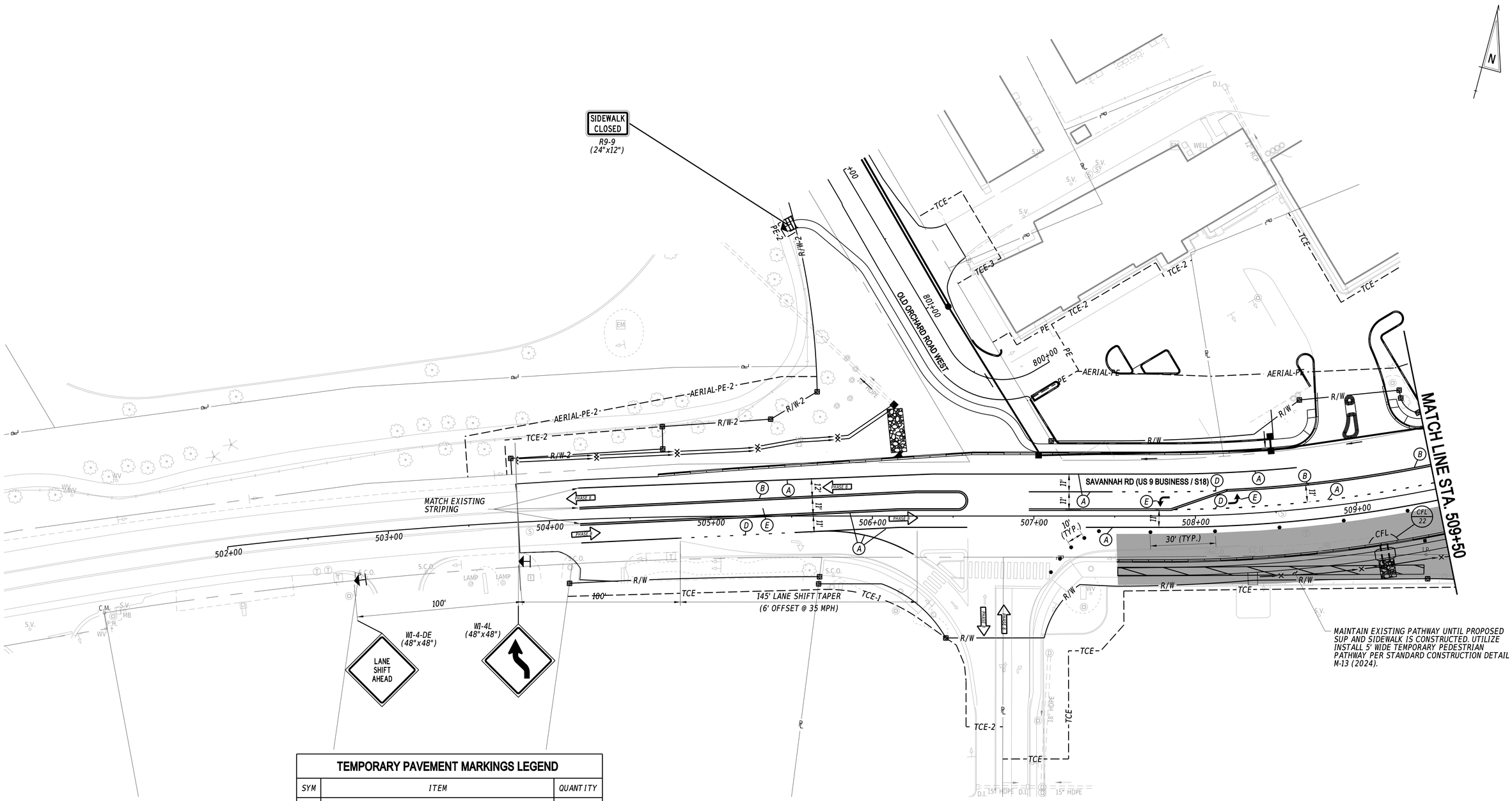
8/29/2024 3:19:57 PM



TEMPORARY PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	895 LF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID DOUBLE LINE (ITEM 817042)	1,486 LF
(D)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 6' GAP (ITEM 817042)	69 LF
(E)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 817002)	31 SF
	REMOVAL OF PAVEMENT STRIPING (ITEM 817031)	1,245 SF

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT T201609601
COUNTY SUSSEX
BRIDGE NO. N/A
DESIGNED BY: J. SINCLAIR
CHECKED BY: K. CLEVENGER

CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 8

SECTION WRA
SHEET NO. 120

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8/29/2024
3:39:58 PM

MATCH LINE

N

R11-2
(48"X30")
ROAD
CLOSED

SIDEWALK
CLOSED
R9-9
(24"x12")

R11-2
(48"X30")
ROAD
CLOSED

SF
170

SF
108

SF

SF

SF

SF

TCE

TCE

TCE-2

TCE-1

PE

PE

R/W

R/W

TCE

TCE

10'
(TYP.)

6" CONC.

MARSH RD (S269B)

1100+00

1101+00

1103+00

1104+00

1105+00

CFL
25

CFL
27

CFL
22

CFL

CFL

CFL

WELL

G.V.

G.V.

G.V.

G.V.

15" RCP

15" RCP

MATCH LINE STA. 1105+00

SEE WESCOATS ROAD NORTHBOUND DETOUR PLAN FOR DETOUR SINGAGE AND ASSOCIATED WARNING SIGNS AND TRAFFIC CONTROL DEVICES.

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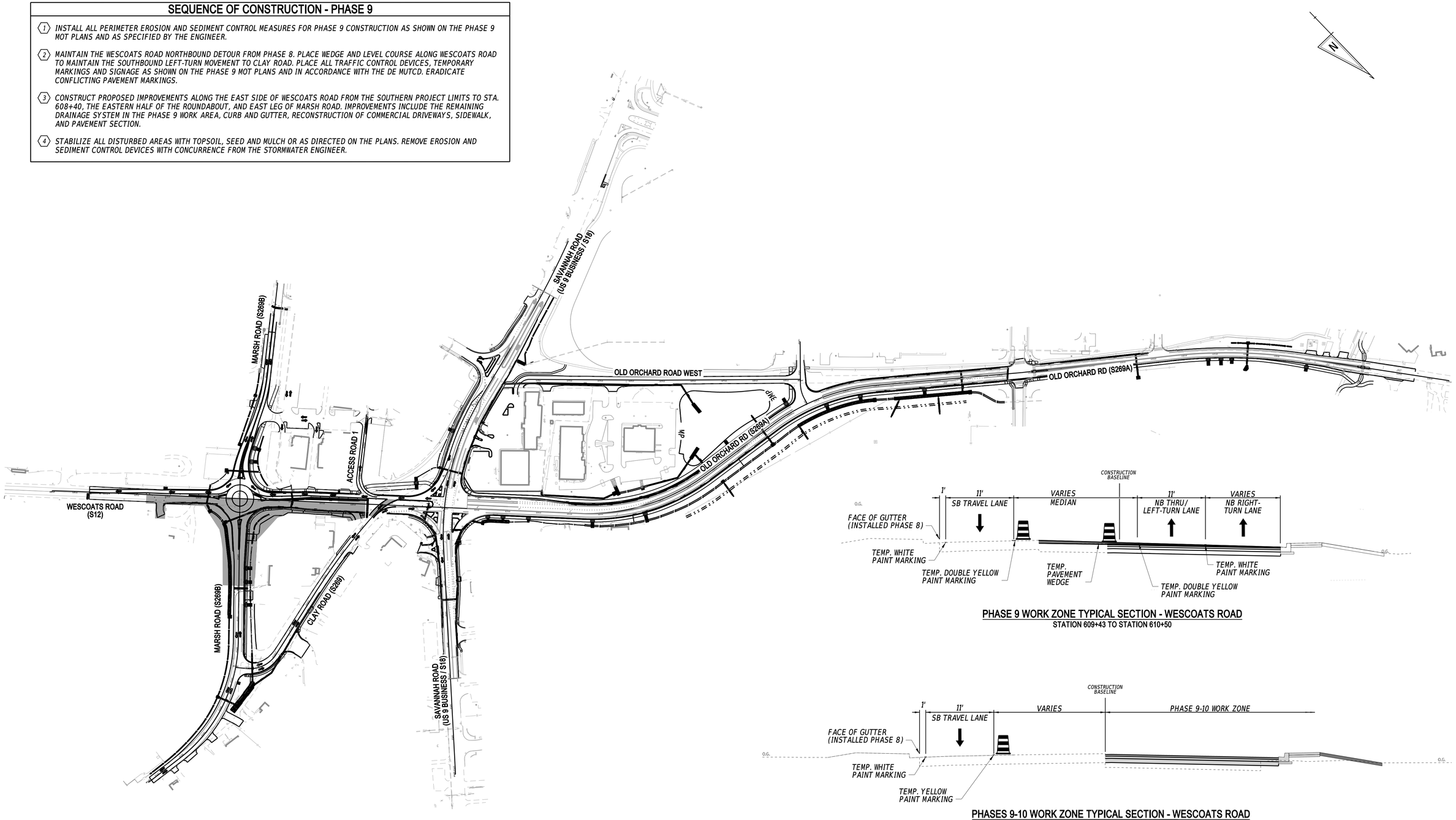
ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 8	SECTION WRA
				COUNTY SUSSEX	DESIGNED BY: J. SINCLAIR		SHEET NO. 121
					CHECKED BY: K. CLEVENGER		

SEQUENCE OF CONSTRUCTION - PHASE 9

1. *INSTALL ALL PERIMETER EROSION AND SEDIMENT CONTROL MEASURES FOR PHASE 9 CONSTRUCTION AS SHOWN ON THE PHASE 9 MOT PLANS AND AS SPECIFIED BY THE ENGINEER.*
2. *MAINTAIN THE WESCOATS ROAD NORTHBOUND DETOUR FROM PHASE 8. PLACE WEDGE AND LEVEL COURSE ALONG WESCOATS ROAD TO MAINTAIN THE SOUTHBOUND LEFT-TURN MOVEMENT TO CLAY ROAD. PLACE ALL TRAFFIC CONTROL DEVICES, TEMPORARY MARKINGS AND SIGNAGE AS SHOWN ON THE PHASE 9 MOT PLANS AND IN ACCORDANCE WITH THE DE MUTCD. ERADICATE CONFLICTING PAVEMENT MARKINGS.*
3. *CONSTRUCT PROPOSED IMPROVEMENTS ALONG THE EAST SIDE OF WESCOATS ROAD FROM THE SOUTHERN PROJECT LIMITS TO STA. 608+40, THE EASTERN HALF OF THE ROUNDABOUT, AND EAST LEG OF MARSH ROAD. IMPROVEMENTS INCLUDE THE REMAINING DRAINAGE SYSTEM IN THE PHASE 9 WORK AREA, CURB AND GUTTER, RECONSTRUCTION OF COMMERCIAL DRIVEWAYS, SIDEWALK, AND PAVEMENT SECTION.*
4. *STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH OR AS DIRECTED ON THE PLANS. REMOVE EROSION AND SEDIMENT CONTROL DEVICES WITH CONCURRENCE FROM THE STORMWATER ENGINEER.*



PHASE 9 WORK ZONE TYPICAL SECTION - WESCOATS ROAD
STATION 609+43 TO STATION 610+50

PHASES 9-10 WORK ZONE TYPICAL SECTION - WESCOATS ROAD
STATION 601+31 TO STATION 609+10

ADDENDA / REVISIONS		SCALE 0 150 300 450 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 9	SECTION WRA
				COUNTY SUSSEX	DESIGNED BY: J. SINCLAIR		SHEET NO. 122
					CHECKED BY: K. CLEVENGER		

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PLACE TEMPORARY MARKING AND FINAL SIGNING IN FINAL CONFIGURATION ALONG THE WEST LEG OF MARCH ROAD PER THE SIGNING AND STRIPING PLANS AT THE START OF PHASE 9.

SEE WESCOATS ROAD NORTHBOUND DETOUR PLAN FOR DETOUR SIGNAGE AND ASSOCIATED WARNING SIGNS AND TRAFFIC CONTROL DEVICES.

R6-4 (30"x24")

W1-4L (48"x48")

W1-4-DE (48"x48")

LANE SHIFT AHEAD

ROAD CLOSED

R11-2 (48"x30")

ROAD CLOSED

183' LANE SHIFT TAPER (18' OFFSET @ 35 MPH)

100'

100'

PE

MARSH RD (S2898)

WESCOATS RD (S12)

599+00

600+00

601+00

602+00

603+00

604+00

605+00

606+00

607+00

1107+00

1109+00

30' (TYP.)

TCE

TCE-1

R/W

R/W-1

AERIAL-PE

CFL 10

CFL 40

CFL 60

CFL 26

CFL 29

CFL 42

CFL 15

DRUMS @ 10 LF O.C.

ROAD CLOSED

R11-2 (48"x30")

ROAD CLOSED

R11-2 (48"x30")

MATCH LINE STA. 607+50

MATCH LINE STA. 1109+00

TEMPORARY PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
A	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	1,181 LF
B	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID DOUBLE LINE (ITEM 817042)	198 LF
D	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 6' GAP (ITEM 817042)	23 LF
I	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	583 LF
	REMOVAL OF PAVEMENT STRIPING (ITEM 817031)	350 SF

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT T201609601

COUNTY SUSSEX

BRIDGE NO. N/A

DESIGNED BY: J. SINCLAIR

CHECKED BY: K. CLEVENGER

CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 9

SECTION WRA

SHEET NO. 123

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TEMPORARY PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	672 LF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID DOUBLE LINE (ITEM 817042)	922 LF
(D)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 6' GAP (ITEM 817042)	29 LF
(E)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 817002)	28 SF

MAINTAIN PHASE 6 TEMPORARY TRAFFIC CONTROL CONFIGURATION ALONG OLD ORCHARD ROAD

MAINTAIN PHASE 8 TEMPORARY TRAFFIC CONTROL CONFIGURATION ALONG SAVANNAH ROAD

MAINTAIN PHASE 8 TEMPORARY TRAFFIC CONTROL CONFIGURATION ALONG SAVANNAH ROAD

OLD ORCHARD ROAD (S288A)

SAVANNAH RD (US 9 BUSINESS / S18)

WESCOATS RD (S12)

CLAY RD (S288)

ACCESS ROAD 1

G20-5aP (30"x24")
WORK ZONE
SPEED LIMIT 35
FINES DOUBLED

R2-1-35 (30"x36")

R2-6aP (24"x18")

R3-5 (24"x30")
ONLY

R11-2 (48"x30")
ROAD CLOSED

UTILIZE TYPE B, WEDGE TO CORRECT GRADE DIFFERENCES BETWEEN PROPOSED WESCOATS RD AND EXISTING CLAY RD GRADE AT 20:1 MAX SLOPE.

INSTALL PERMANENT WARNING SIGN AS SHOWN ON SIGNING AND STRIPING PLANS

SEE WESCOATS ROAD NORTHBOUND DETOUR PLAN FOR DETOUR SIGNAGE AND ASSOCIATED WARNING SIGNS AND TRAFFIC CONTROL DEVICES.

MATCH LINE STA. 607+50

MATCH LINE STA. 1202+00

N

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ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 9	SECTION WRA
				COUNTY SUSSEX	DESIGNED BY: J. SINCLAIR		SHEET NO. 124
					CHECKED BY: K. CLEVENGER		

MATCH LINE STA. 1202+00

MATCH LINE STA. 1109+50

1202+00

1203+00

1204+00

1205+00

1206+00

1207+00

1207+41

1109+00

1110+00

1111+00

1112+00

1113+00

1114+00

1115+00

1116+00

1117+00

1117+36

CLAY RD (S269)

MARSH RD (S269B)

TCE

TCE-2

R/W

R/W-2

AERIAL-PE

PE

SIDEWALK CLOSED

R9-9 (24"x12")

ROAD CLOSED

R11-2 (48"x30")

CFL 30

10' (TYP.)

PHASE 9

S.C.O.

S.V.

I.P.

P.C.

P.T.

SCE

WELL

FLAG POLE

LAMP

MB

41

335-6.00-39.01
CLAY ROAD HOLDINGS, LLC
D.B. 3242-67

MATCH EXISTING STRIPING

N

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY:	J. SINCLAIR
COUNTY	CHECKED BY:	K. CLEVENGER
SUSSEX		

CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 9

SECTION	
WRA	
SHEET NO.	
125	

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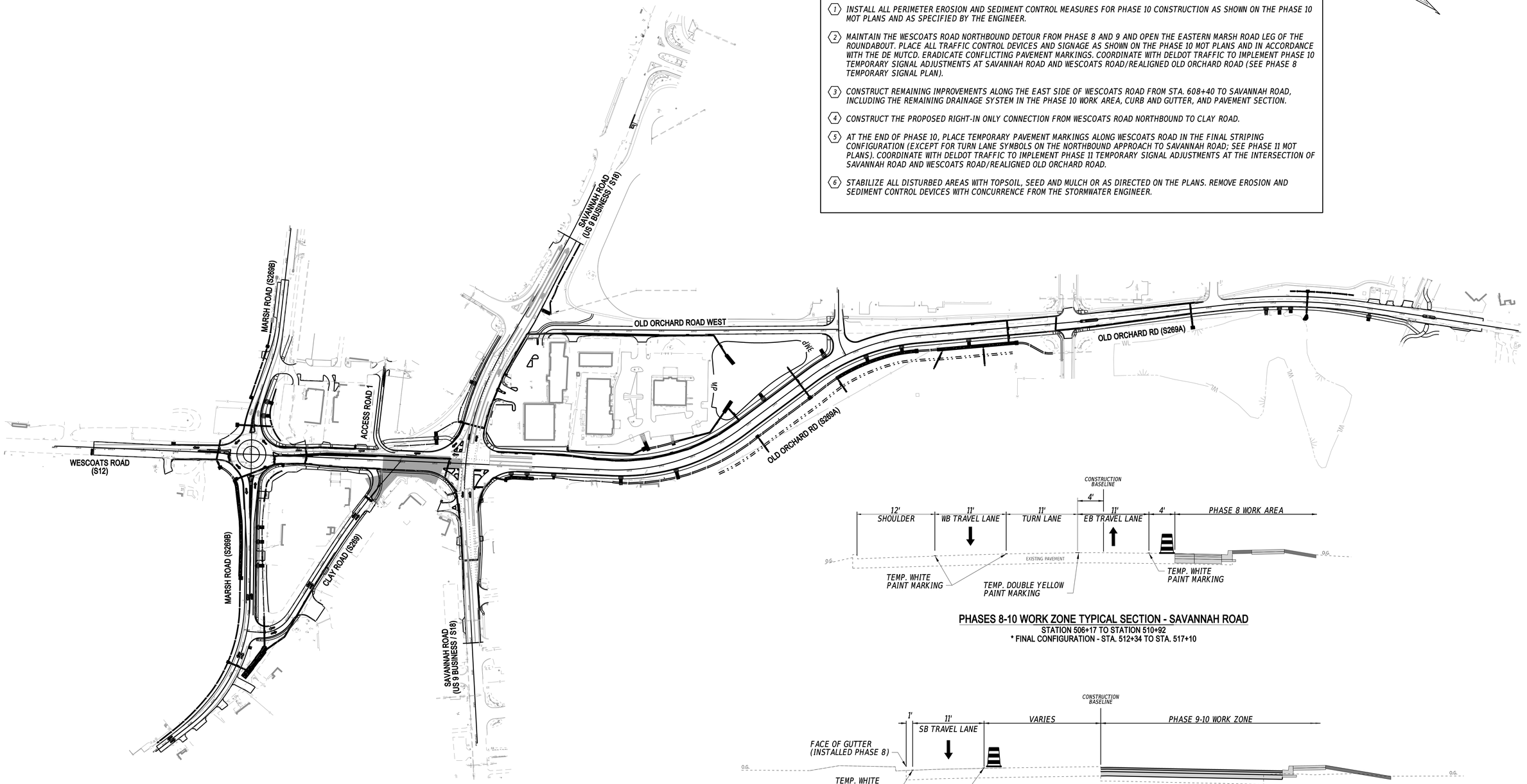
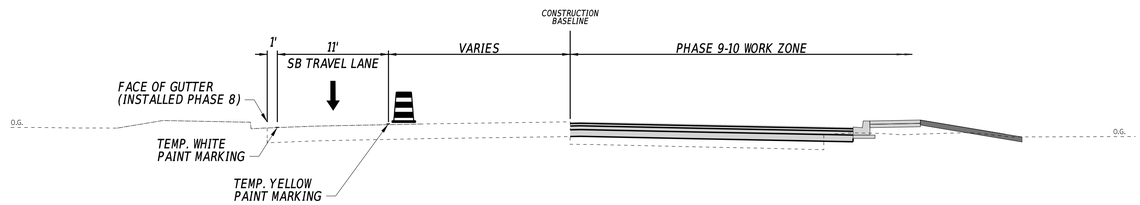
SEQUENCE OF CONSTRUCTION - PHASE 10

1. INSTALL ALL PERIMETER EROSION AND SEDIMENT CONTROL MEASURES FOR PHASE 10 CONSTRUCTION AS SHOWN ON THE PHASE 10 MOT PLANS AND AS SPECIFIED BY THE ENGINEER.
2. MAINTAIN THE WESCOATS ROAD NORTHBOUND DETOUR FROM PHASE 8 AND 9 AND OPEN THE EASTERN MARSH ROAD LEG OF THE ROUNDABOUT. PLACE ALL TRAFFIC CONTROL DEVICES AND SIGNAGE AS SHOWN ON THE PHASE 10 MOT PLANS AND IN ACCORDANCE WITH THE DE MUTCD. ERADICATE CONFLICTING PAVEMENT MARKINGS. COORDINATE WITH DELDOT TRAFFIC TO IMPLEMENT PHASE 10 TEMPORARY SIGNAL ADJUSTMENTS AT SAVANNAH ROAD AND WESCOATS ROAD/REALIGNED OLD ORCHARD ROAD (SEE PHASE 8 TEMPORARY SIGNAL PLAN).
3. CONSTRUCT REMAINING IMPROVEMENTS ALONG THE EAST SIDE OF WESCOATS ROAD FROM STA. 608+40 TO SAVANNAH ROAD, INCLUDING THE REMAINING DRAINAGE SYSTEM IN THE PHASE 10 WORK AREA, CURB AND GUTTER, AND PAVEMENT SECTION.
4. CONSTRUCT THE PROPOSED RIGHT-IN ONLY CONNECTION FROM WESCOATS ROAD NORTHBOUND TO CLAY ROAD.
5. AT THE END OF PHASE 10, PLACE TEMPORARY PAVEMENT MARKINGS ALONG WESCOATS ROAD IN THE FINAL STRIPING CONFIGURATION (EXCEPT FOR TURN LANE SYMBOLS ON THE NORTHBOUND APPROACH TO SAVANNAH ROAD; SEE PHASE 11 MOT PLANS). COORDINATE WITH DELDOT TRAFFIC TO IMPLEMENT PHASE 11 TEMPORARY SIGNAL ADJUSTMENTS AT THE INTERSECTION OF SAVANNAH ROAD AND WESCOATS ROAD/REALIGNED OLD ORCHARD ROAD.
6. STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH OR AS DIRECTED ON THE PLANS. REMOVE EROSION AND SEDIMENT CONTROL DEVICES WITH CONCURRENCE FROM THE STORMWATER ENGINEER.



PHASES 8-10 WORK ZONE TYPICAL SECTION - SAVANNAH ROAD
STATION 506+17 TO STATION 510+92
* FINAL CONFIGURATION - STA. 512+34 TO STA. 517+10



PHASES 9-10 WORK ZONE TYPICAL SECTION - WESCOATS ROAD
STATION 601+31 TO STATION 609+10

ADDENDA / REVISIONS		SCALE 0 150 300 450 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 10	SECTION WRA
				COUNTY SUSSEX	DESIGNED BY: J. SINCLAIR		SHEET NO. 126
					CHECKED BY: K. CLEVENGER		

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TEMPORARY PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	375 LF
(D)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 6' GAP (ITEM 817042)	18 LF
(E)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 817002)	26 SF
(I)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	145 LF

N

LANE SHIFT AHEAD

WESCOATS RD (S12)

MARSH RD (S269B)

599+00 600+00 601+00 602+00 603+00 604+00 605+00 606+00 607+00

1107+00 1108+00 1109+00

PHASE 10

PE AERIAL-PE R/W TCE R/W-1 TCE-1 C.M. S.V. EM I.P. D.I. G.V. IRRIGATION 1ST HOPE

20' (TYP.) 10' 10' (TYP.)

SEE WESCOATS ROAD NORTHBOUND DETOUR PLAN FOR DETOUR SIGNAGE AND ASSOCIATED WARNING SIGNS AND TRAFFIC CONTROL DEVICES.

R11-2 (48"x30") ROAD CLOSED

R11-2 (48"x30") ROAD CLOSED

MATCH LINE STA. 607+50

MATCH LINE STA. 1109+50

NOTES:

1. CONTRACTOR SHALL INSTALL ALL PERMANENT REGULATORY, WARNING AND GUIDE SIGNAGE FOR ALL FOUR ROUNDABOUT APPROACHES PRIOR TO SWITCHING TO PHASE 10.

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ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 10	SECTION WRA
				COUNTY SUSSEX	DESIGNED BY: J. SINCLAIR		SHEET NO. 127
					CHECKED BY: K. CLEVENGER		

TEMPORARY PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(1)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	35 LF

MAINTAIN PHASE 8 TEMPORARY TRAFFIC CONTROL CONFIGURATION ON SAVANNAH ROAD.

MAINTAIN PHASE 6 TEMPORARY TRAFFIC CONTROL CONFIGURATION ON OLD ORCHARD ROAD.

MAINTAIN PHASE 8 TEMPORARY TRAFFIC CONTROL CONFIGURATION ON SAVANNAH ROAD.

OLD ORCHARD ROAD (S284A)

SAVANNAH RD (US 9 BUSINESS / S18)

WESCOATS RD (S12)

CLAY RD (S286)

ACCESS ROAD 1

SEE WESCOATS ROAD NORTHBOUND DETOUR PLAN FOR DETOUR SIGNAGE AND ASSOCIATED WARNING SIGNS AND TRAFFIC CONTROL DEVICES.

MATCH LINE STA. 607+50

MATCH LINE STA. 1202+00

R11-2 (48"x30")
ROAD CLOSED

SIDEWALK CLOSED
R9-9 (24"x12")

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ADDENDA / REVISIONS			

SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY:	J. SINCLAIR
COUNTY	CHECKED BY:	K. CLEVENGER
SUSSEX		

CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 10

SECTION
WRA
SHEET NO.
128

TEMPORARY PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	427 LF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID DOUBLE LINE (ITEM 817042)	506 LF

NOTES:
1. ALL TEMPORARY PAVEMENT MARKINGS SHOWN ON THIS SHEET SHALL BE PLACED IN THE FINAL CONFIGURATION AS SHOWN ON THE SIGNING AND STRIPING PLANS.

MATCH LINE STA. 1202+00

MATCH LINE STA. 1109+50

CLAY RD (S288)

ROAD CLOSED AHEAD LOCAL TRAFFIC ONLY
R3-11a (30"x42")

MAINTAIN TEMPORARY STRIPING FROM PHASE 8 ALONG CLAY ROAD AND MARSH ROAD.

MATCH EXISTING

41
335-6.00-39.01
CLAY ROAD HOLDINGS, LLC
D.B. 3242-67

ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 10	SECTION WRA
				COUNTY SUSSEX	DESIGNED BY: J. SINCLAIR		SHEET NO. 129
					CHECKED BY: K. CLEVENGER		

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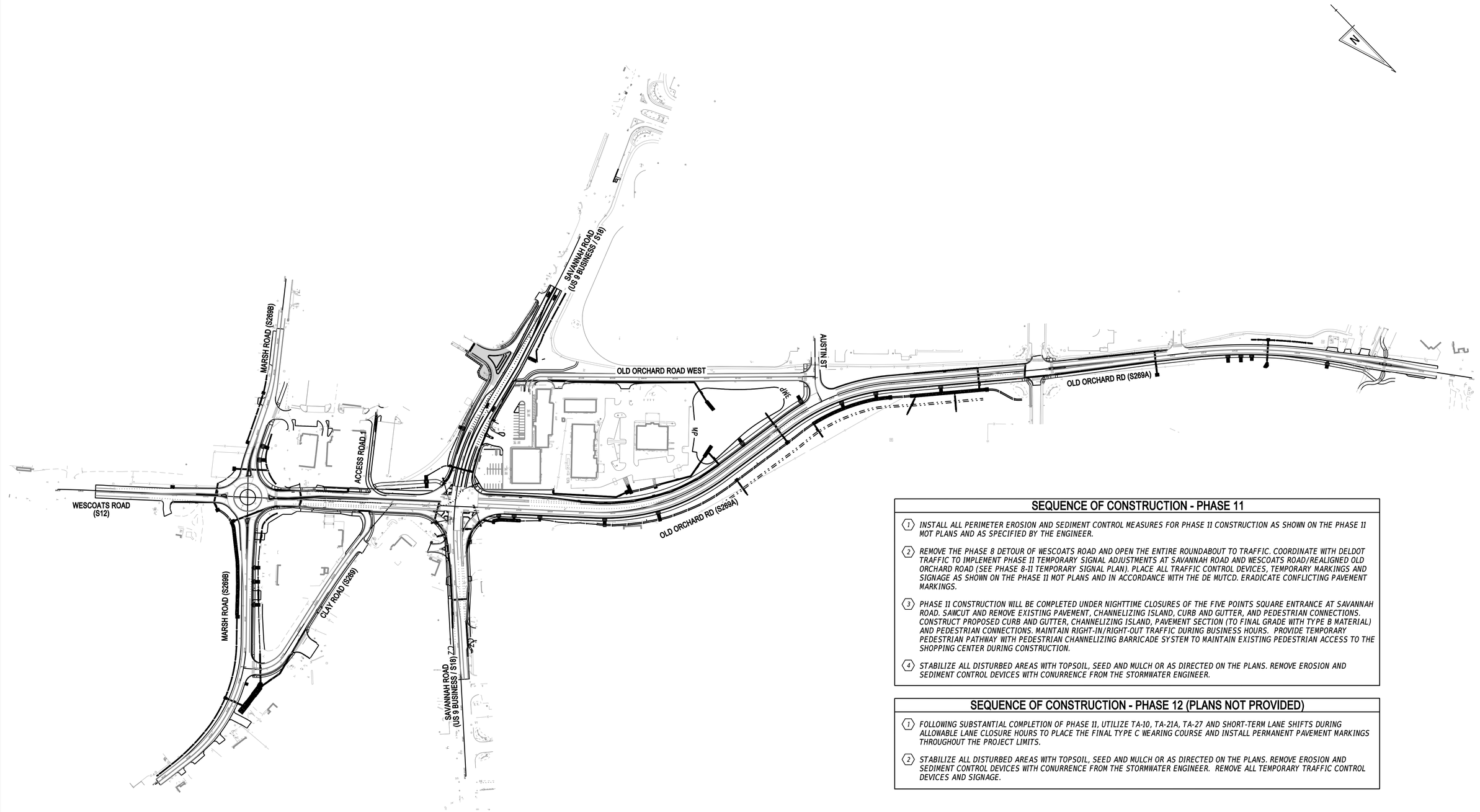

SEQUENCE OF CONSTRUCTION - PHASE 11

1. *INSTALL ALL PERIMETER EROSION AND SEDIMENT CONTROL MEASURES FOR PHASE 11 CONSTRUCTION AS SHOWN ON THE PHASE 11 MOT PLANS AND AS SPECIFIED BY THE ENGINEER.*
2. *REMOVE THE PHASE 8 DETOUR OF WESCOATS ROAD AND OPEN THE ENTIRE ROUNDABOUT TO TRAFFIC. COORDINATE WITH DELDOT TRAFFIC TO IMPLEMENT PHASE 11 TEMPORARY SIGNAL ADJUSTMENTS AT SAVANNAH ROAD AND WESCOATS ROAD/REALIGNED OLD ORCHARD ROAD (SEE PHASE 8-11 TEMPORARY SIGNAL PLAN). PLACE ALL TRAFFIC CONTROL DEVICES, TEMPORARY MARKINGS AND SIGNAGE AS SHOWN ON THE PHASE 11 MOT PLANS AND IN ACCORDANCE WITH THE DE MUTCD. ERADICATE CONFLICTING PAVEMENT MARKINGS.*
3. *PHASE 11 CONSTRUCTION WILL BE COMPLETED UNDER NIGHTTIME CLOSURES OF THE FIVE POINTS SQUARE ENTRANCE AT SAVANNAH ROAD. SAWCUT AND REMOVE EXISTING PAVEMENT, CHANNELIZING ISLAND, CURB AND GUTTER, AND PEDESTRIAN CONNECTIONS. CONSTRUCT PROPOSED CURB AND GUTTER, CHANNELIZING ISLAND, PAVEMENT SECTION (TO FINAL GRADE WITH TYPE B MATERIAL) AND PEDESTRIAN CONNECTIONS. MAINTAIN RIGHT-IN/RIGHT-OUT TRAFFIC DURING BUSINESS HOURS. PROVIDE TEMPORARY PEDESTRIAN PATHWAY WITH PEDESTRIAN CHANNELIZING BARRICADE SYSTEM TO MAINTAIN EXISTING PEDESTRIAN ACCESS TO THE SHOPPING CENTER DURING CONSTRUCTION.*
4. *STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH OR AS DIRECTED ON THE PLANS. REMOVE EROSION AND SEDIMENT CONTROL DEVICES WITH CONURRENCE FROM THE STORMWATER ENGINEER.*

SEQUENCE OF CONSTRUCTION - PHASE 12 (PLANS NOT PROVIDED)

1. *FOLLOWING SUBSTANTIAL COMPLETION OF PHASE 11, UTILIZE TA-10, TA-21A, TA-27 AND SHORT-TERM LANE SHIFTS DURING ALLOWABLE LANE CLOSURE HOURS TO PLACE THE FINAL TYPE C WEARING COURSE AND INSTALL PERMANENT PAVEMENT MARKINGS THROUGHOUT THE PROJECT LIMITS.*
2. *STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH OR AS DIRECTED ON THE PLANS. REMOVE EROSION AND SEDIMENT CONTROL DEVICES WITH CONURRENCE FROM THE STORMWATER ENGINEER. REMOVE ALL TEMPORARY TRAFFIC CONTROL DEVICES AND SIGNAGE.*

ADDENDA / REVISIONS		SCALE 0 150 300 450 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 11	SECTION WRA
				COUNTY SUSSEX	DESIGNED BY: J. SINCLAIR		SHEET NO. 130
					CHECKED BY: K. CLEVENGER		

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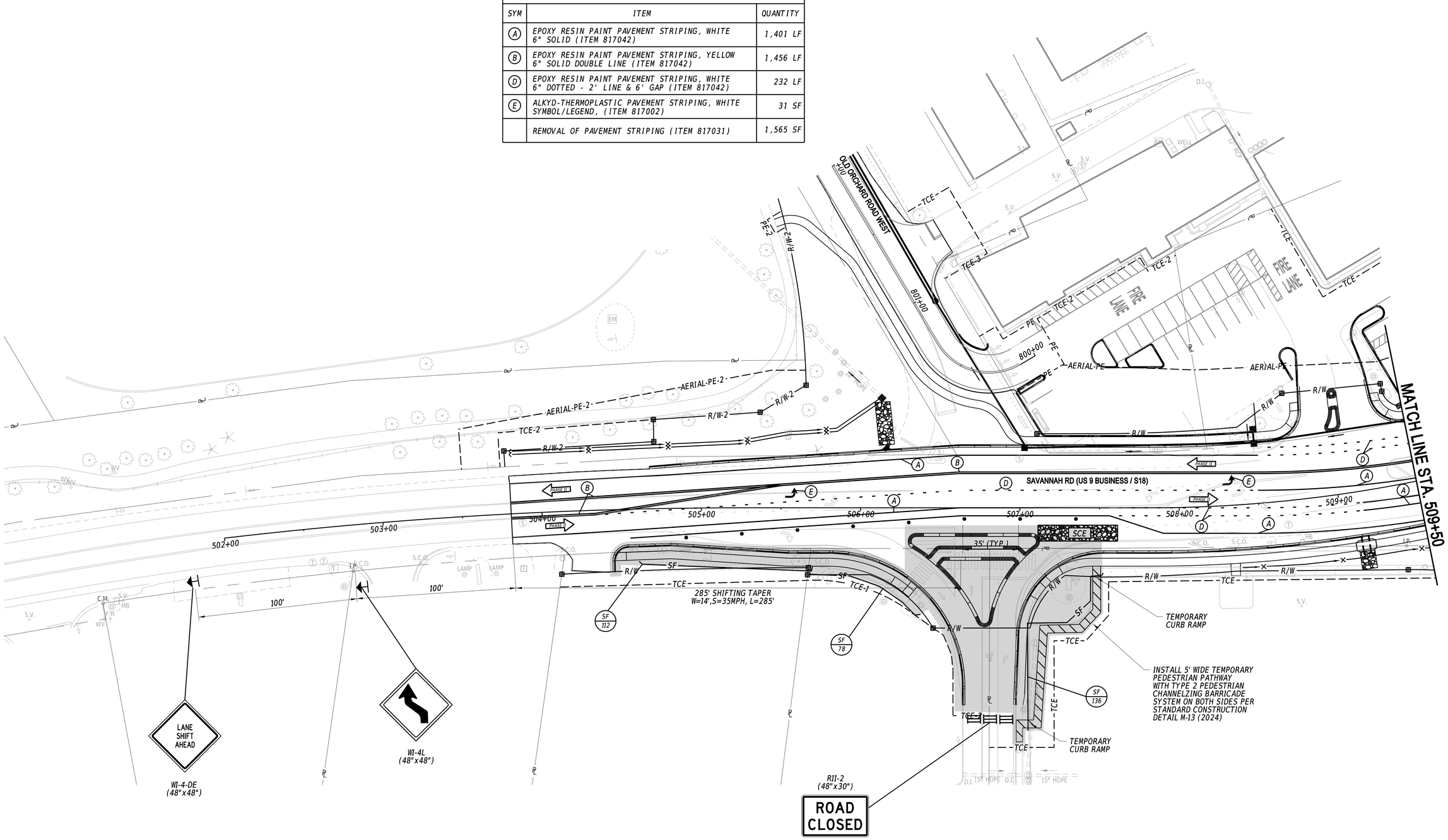
TEMPORARY PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	1,401 LF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID DOUBLE LINE (ITEM 817042)	1,456 LF
(D)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 6' GAP (ITEM 817042)	232 LF
(E)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 817002)	31 SF
	REMOVAL OF PAVEMENT STRIPING (ITEM 817031)	1,565 SF



ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY:	J. SINCLAIR
COUNTY	CHECKED BY:	K. CLEVENGER
SUSSEX		

CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 11

SECTION
WRA
SHEET NO.
131

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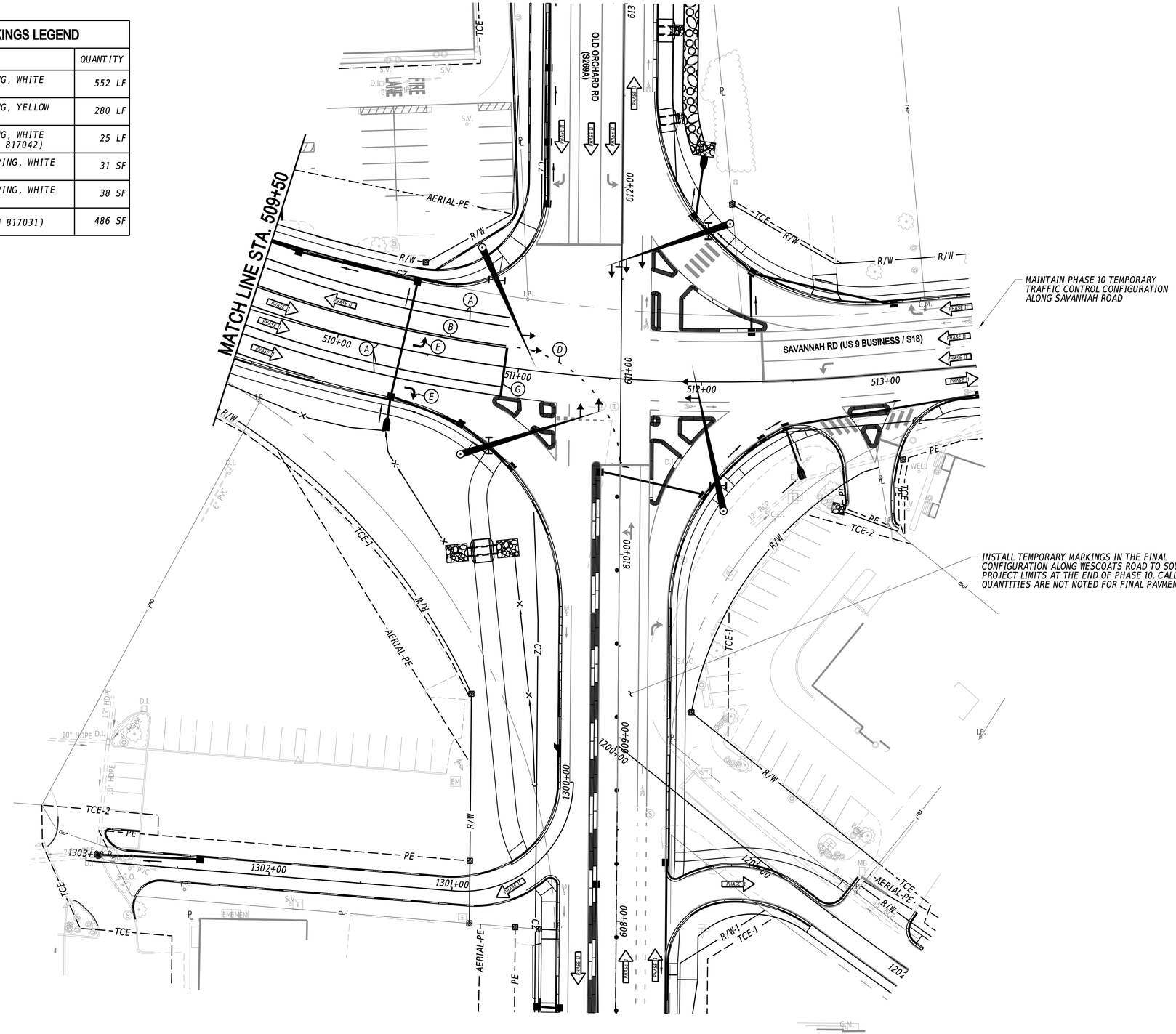
TEMPORARY PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	552 LF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID DOUBLE LINE (ITEM 817042)	280 LF
(D)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 6' GAP (ITEM 817042)	25 LF
(E)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 817002)	31 SF
(G)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 817002)	38 SF
	REMOVAL OF PAVEMENT STRIPING (ITEM 817031)	486 SF



ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASE 11	SECTION WRA
				COUNTY SUSSEX	DESIGNED BY: J. SINCLAIR		SHEET NO. 132
					CHECKED BY: K. CLEVENGER		

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PORTABLE CHANGEABLE MESSAGE SIGNS

PRIOR TO DETOUR
(10 DAYS PRIOR TO BEGINNING OF DETOUR)

PCMS-1

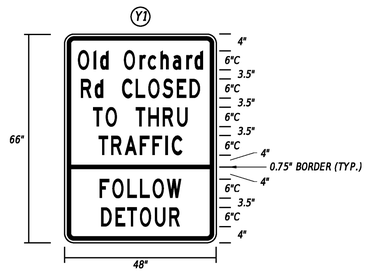
OLD ORCHARD RD	TO CLOSE STARTING MM/DD/YY

DURING DETOUR
(DISPLAY FOR 5 DAYS AFTER IMPLEMENTATION OF DETOUR)

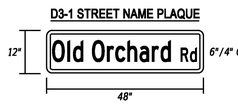
PCMS-2

OLD ORCHARD RD	CLOSED FOLLOW DETOUR

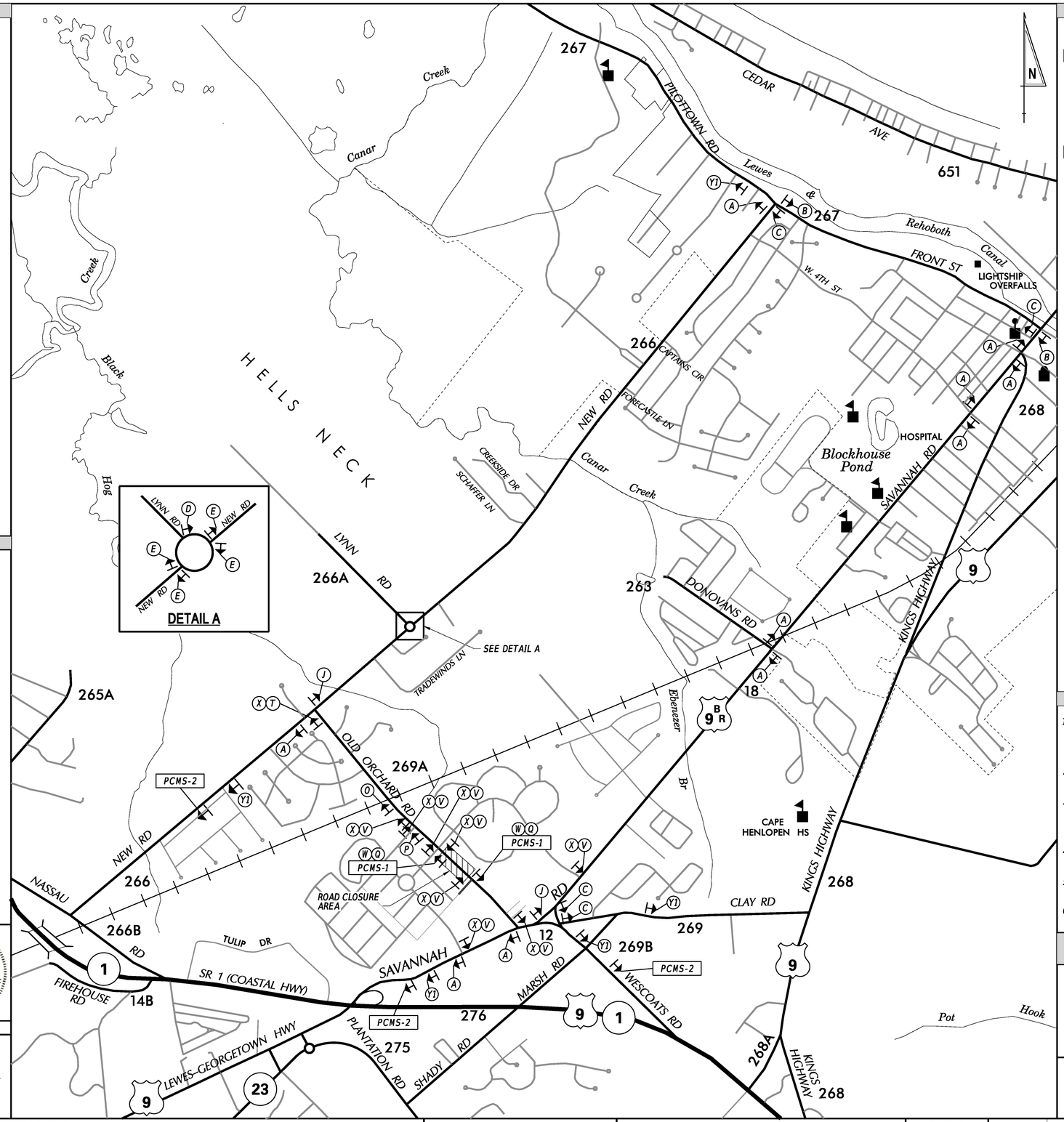
SPECIAL SIGNS



D3-1 STREET NAME PLAQUE



NOTES:
1. SIGNS "Y1" AND "Z," AND D3-1 ROAD NAME PLAQUE SHALL BE BLACK LEGEND ON FLUORESCENT RETROREFLECTIVE PRISMATIC ORANGE BACKGROUND.
2. ALL SIGNS SHALL BE PLACED WITHIN DELDOT RIGHT-OF-WAY AND SHALL NOT OBSCURE OR OBSTRUCT EXISTING SIGNAGE.



LEGEND

A: Old Orchard Rd / DETOUR ↑ — M4-9-DE	B: Old Orchard Rd / DETOUR ← — M4-9	C: Old Orchard Rd / DETOUR → — M4-9	D: Old Orchard Rd / DETOUR ↖ — M4-9	E: Old Orchard Rd / DETOUR ↗ — M4-9
F: Old Orchard Rd / DETOUR ← — M4-9	G: Old Orchard Rd / DETOUR → — M4-9	H: Old Orchard Rd / DETOUR ↖ — M4-9	I: Old Orchard Rd / DETOUR ↗ — M4-9	J: Old Orchard Rd / 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 1/2 MILE 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.
5. SEE PHASE 4 MOT PLANS FOR ADDITIONAL TEMPORARY TRAFFIC CONTROL DEVICES.
6. EACH SIGN ASSEMBLY (INCLUDING THOSE WITH "OLD ORCHARD RD" ROAD NAME PLAQUES) WILL BE PAID AS ONE SIGN UNDER ITEM 810001.

DETOUR DESCRIPTION
(TO BE USED ON ROAD CLOSURE NOTIFICATION AND TRAFFIC ALERT BY ENGINEER)

MOTORISTS ON EASTBOUND SAVANNAH RD WANTING TO TURN LEFT ONTO OLD ORCHARD RD WILL CONTINUE ON SAVANNAH RD, TURN LEFT ONTO FRONT ST, TURN LEFT ONTO NEW RD, RETURNING TO OLD ORCHARD RD.

MOTORISTS ON EASTBOUND NEW RD WANTING TO TURN RIGHT ONTO OLD ORCHARD RD WILL CONTINUE ON NEW RD, TURN RIGHT ONTO PILOTTOWN RD, TURN RIGHT ONTO SAVANNAH RD, RETURNING TO OLD ORCHARD RD.

PREPARED BY

Whitman, Requardt and Associates, LLP
Engineers • Architects • Environmental Planners Est. 1915

KYLE O. CLEVENGER LICENSE No. 18723 DELAWARE PROFESSIONAL ENGINEER

8/27/2024
THIS SEAL ONLY APPLIES TO THIS DETOUR SHEET — DATE — SEAL

8/27/2024
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

08/28/2024
TRAFFIC SAFETY — DATE

ADDENDA / REVISIONS

NOT TO SCALE

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	T201609601	PERMIT NO.	N/A
COUNTY	SUSSEX	DESIGNED BY:	A. DOELP
		CHECKED BY:	K. CLEVENGER

VEHICULAR DETOUR PLAN OLD ORCHARD ROAD PHASE 4

SECTION	SHEET NO.
WRA	133

LAST REVISED: 9/11/2018
8/27/2024
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PORTABLE CHANGEABLE MESSAGE SIGNS

PRIOR TO DETOUR

(10 DAYS PRIOR TO BEGINNING OF DETOUR)

PCMS-1

CLAY RD TO CLOSE	STARTING MM/DD/YY

DURING DETOUR

(DISPLAY FOR 5 DAYS AFTER IMPLEMENTATION OF DETOUR)

PCMS-2

CLAY RD CLOSED	FOLLOW DETOUR

DETOUR DESCRIPTION

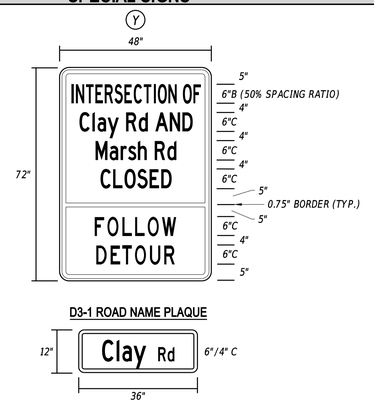
(TO BE USED ON ROAD CLOSURE NOTIFICATION AND TRAFFIC ALERT BY ENGINEER)

MOTORISTS ON SAVANNAH RD AND SOUTHBOUND WESCOATS RD WANTING TO TRAVEL ON CLAY RD WILL CONTINUE SOUTH ON WESCOATS RD, TURN LEFT ONTO RT 1/COASTAL HWY SOUTHBOUND, TURN LEFT ONTO RT 9/DARTMOUTH DR, CONTINUE ON RT 9/KINGS HWY, RETURNING TO CLAY RD.

MOTORISTS ON MARSH ROAD WANTING TO TRAVEL ON CLAY RD WILL TURN RIGHT ON TO WESCOATS RD, TURN LEFT ONTO RT 1/COASTAL HWY SOUTHBOUND, TURN LEFT ONTO DARTMOUTH DR, CONTINUE ON KINGS HWY, RETURNING TO CLAY RD.

MOTORISTS ON RT 9/KINGS HWY WESTBOUND WANTING TOTRAVEL ON CLAY RD WILL CONTINUE ON RT 9/KINGS HWY, TURN RIGHT ONTO RT 1/COASTAL HWY NORTHBOUND, KEEP RIGHT ONTO WESCOATS RD, RETURNING TO CLAY RD.

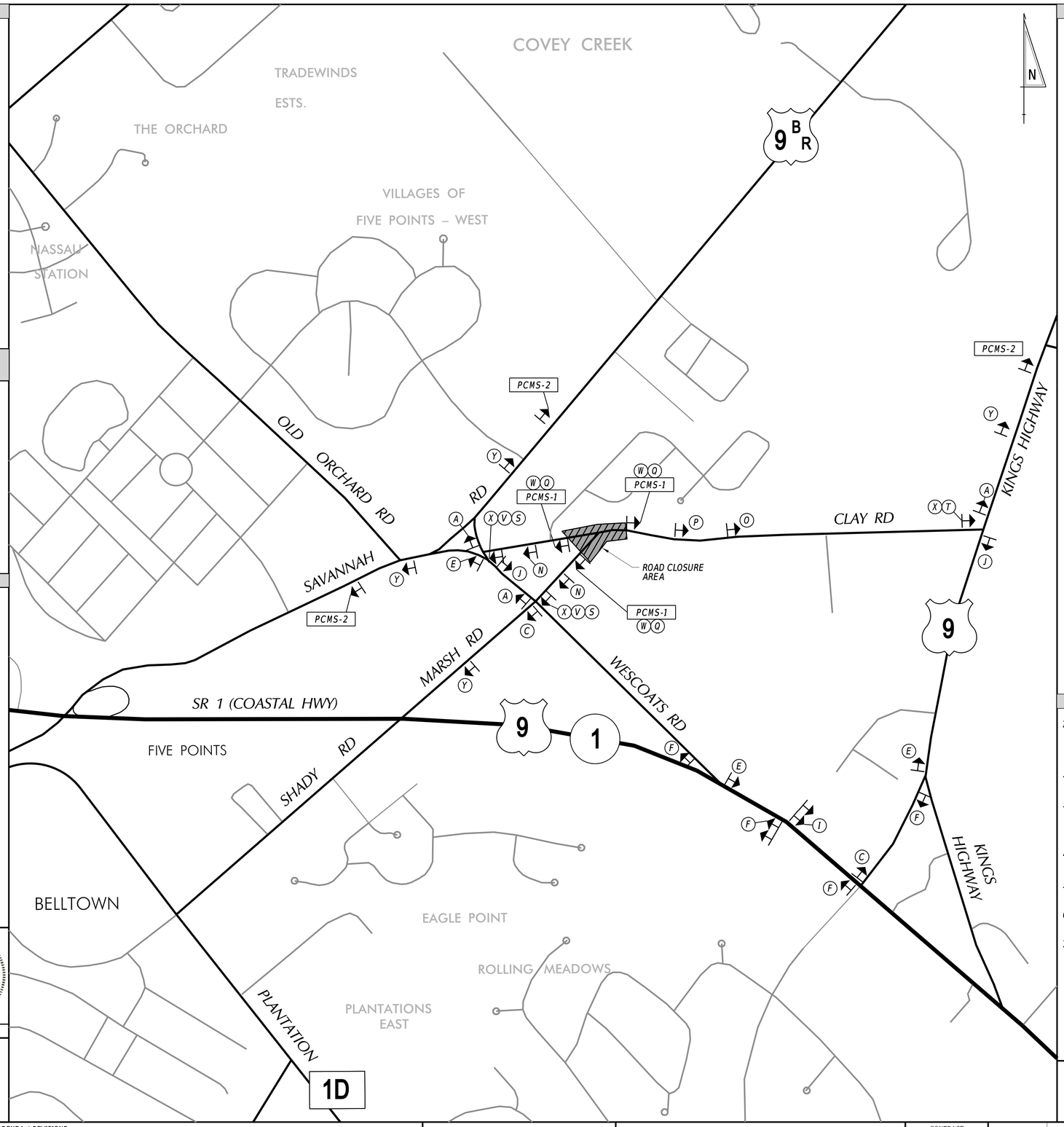
SPECIAL SIGNS



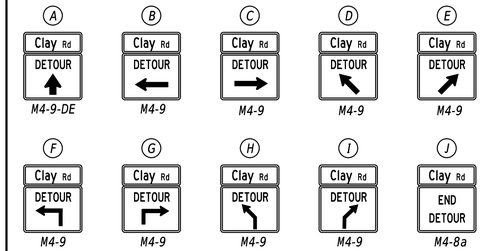
D3-1 ROAD NAME PLAQUE

NOTE:

1. SIGN (Y) AND D3-1 ROAD NAME PLAQUE SHALL BE BLACK LEGEND ON FLUORESCENT RETROREFLECTIVE PRISMATIC ORANGE BACKGROUND.



LEGEND



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.
5. PAIRS OF SIGN ICONS DENOTE SIGN ASSEMBLIES TO BE INSTALLED ON BOTH THE LEFT AND RIGHT SHOULDERS OF A DIVIDED HIGHWAY.
6. SEE PHASE 7 MOT PLANS FOR ADDITIONAL TEMPORARY TRAFFIC CONTROL DEVICES.
7. EACH SIGN ASSEMBLY (INCLUDING THOSE WITH "CLAY RD" ROAD NAME PLAQUES) WILL BE PAID AS ONE SIGN UNDER ITEM 810001.

CONCURRENCE FOR IMPLEMENTATION

TRAFFIC SAFETY — DATE: 08/28/2024

PREPARED BY

Whitman, Requardt and Associates, LLP
Engineers • Architects • Environmental Planners Est. 1915

THIS SEAL ONLY APPLIES TO THIS DETOUR SHEET — DATE: 8/27/2024

KYLE O. CLEVENGER LICENSE No. 18723 DELAWARE PROFESSIONAL ENGINEER — SEAL

QA/QC REVIEWER — DATE: 8/27/2024

"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."

ADDENDA / REVISIONS

NOT TO SCALE

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	T201609601	PERMIT NO.	N/A
COUNTY	SUSSEX	DESIGNED BY:	A. DOELP
		CHECKED BY:	K. CLEVENGER

VEHICULAR DETOUR PLAN MARSH ROAD/CLAY ROAD PHASE 7

SECTION	
WRA	
SHEET NO.	
134	

LAST REVISED: 9/11/2018
8/27/2024
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PORTABLE CHANGEABLE MESSAGE SIGNS

PRIOR TO DETOUR

(10 DAYS PRIOR TO BEGINNING OF DETOUR)

PCMS-1

WESCOATS RD NB TO CLOSE	STARTING MM/DD/YY

DURING DETOUR

(DISPLAY FOR 5 DAYS AFTER IMPLEMENTATION OF DETOUR)

PCMS-2

WESCOATS RD NB CLOSED	FOLLOW DETOUR

DETOUR DESCRIPTION

(TO BE USED ON ROAD CLOSURE NOTIFICATION AND TRAFFIC ALERT BY ENGINEER)

MOTORISTS ON RT 1/COASTAL HWY NORTHBOUND WANTING TO TRAVEL NORTH ON WESCOATS RD WILL CONTINUE ON RT 1/COASTAL HWY, TURN RIGHT ONTO SAVANNAH RD, RETURNING TO WESCOATS RD.

MOTORISTS ON RT 1/COASTAL HWY SOUTHBOUND WANTING TO TRAVEL NORTH ON WESCOATS RD WILL U-TURN AT WESCOATS RD ONTO RT 1/COASTAL HWY NORTHBOUND, TURN RIGHT ONTO SAVANNAH RD, RETURNING TO WESCOATS RD.

SPECIAL SIGNS

(Y) 48" × 60"

Wescoats Rd NB CLOSED AT Marsh Rd

FOLLOW DETOUR

0.75" BORDER (TYP.)

Z1 42" × 42"

Marsh Rd CLOSED TO THRU TRAFFIC

Z2 48" × 60"

Marsh Rd CLOSED AT Wescoats Rd

FOLLOW DETOUR

D3-1 ROAD NAME PLAQUES

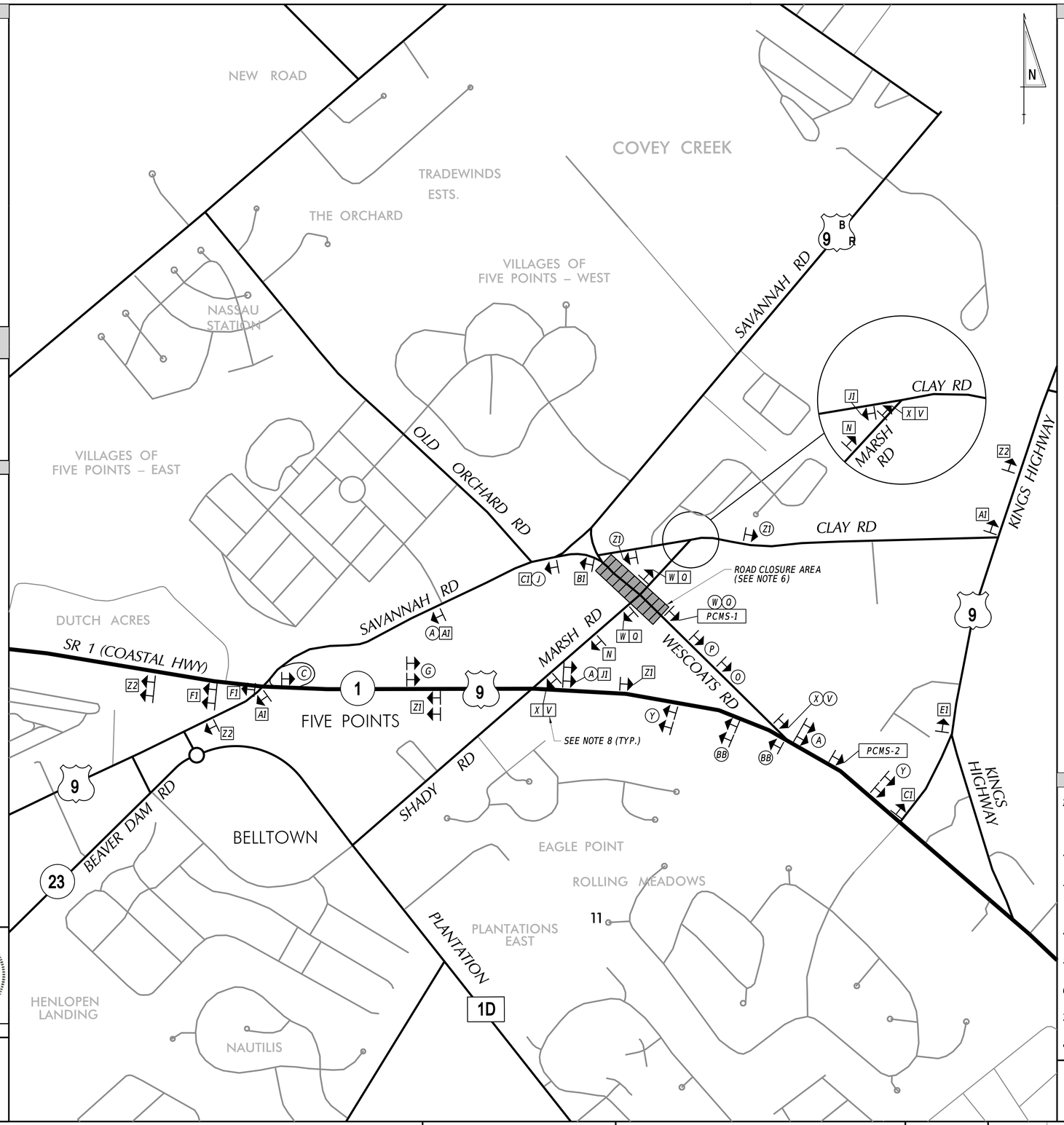
Wescoats Rd — 12" × 42", 6"/4" C

Marsh Rd — 12" × 36", 6"/4" C

(BB) Wescoats Rd DETOUR — M4-9-DE1 (30" X 24")

NOTES:

1. *SIGNS (Y), [Z1], [Z2], (BB) AND D3-1 ROAD NAME PLAQUE SHALL BE BLACK LEGEND ON FLUORESCENT RETROREFLECTIVE PRISMATIC ORANGE BACKGROUND.*
2. *SIGNS [Z1] AND [Z2] SHALL BE PLACED FOR THE ENTIRE DURATION OF PHASES 8 AND 9 AND SHALL BE REMOVED AT THE START OF PHASE 10.*



LEGEND

(A) Wescoats Rd DETOUR ↑ M4-9-DE	(B) Wescoats Rd DETOUR ← M4-9	(C) Wescoats Rd DETOUR → M4-9	(D) Wescoats Rd DETOUR ↖ M4-9	(E) Wescoats Rd DETOUR ↗ M4-9
(F) Wescoats Rd DETOUR ↰ M4-9	(G) Wescoats Rd DETOUR ↱ M4-9	(H) Wescoats Rd DETOUR ↖ M4-9	(I) Wescoats Rd DETOUR ↗ M4-9	(J) Wescoats Rd END DETOUR M4-8a
[A1] Marsh Rd DETOUR ↑ M4-9-DE	[B1] Marsh Rd DETOUR ← M4-9	[C1] Marsh Rd DETOUR → M4-9	[D1] Marsh Rd DETOUR ↖ M4-9	[E1] Marsh Rd DETOUR ↗ M4-9
[F1] Marsh Rd DETOUR ↰ M4-9	[G1] Marsh Rd DETOUR ↱ M4-9	[H1] Marsh Rd DETOUR ↖ M4-9	[I1] Marsh Rd DETOUR ↗ M4-9	[J1] Marsh Rd 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.*
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4. *BARRICADES SHALL BE A MINIMUM OF 6 FEET WIDE UNLESS DIRECTED BY THE ENGINEER.*
5. *PAIRS OF SIGN ICONS DENOTE SIGN ASSEMBLIES TO BE INSTALLED ON BOTH THE LEFT AND RIGHT SHOULDERS OF A DIVIDED HIGHWAY.*
6. *SEE PHASE 8-10 MOT PLANS FOR ADDITIONAL TEMPORARY TRAFFIC CONTROL DEVICES AND LOCATIONS OF BARRICADES AND SIGNAGE BY PHASE.*
7. *EACH SIGN ASSEMBLY (INCLUDING THOSE WITH "WESCOATS RD AND MARSH RD" ROAD NAME PLAQUES) WILL BE PAID AS ONE SIGN UNDER ITEM 810001.*
8. *SIGNS DENOTED WITH A SQUARE IDENTIFIER SHALL BE REMOVED AT THE START OF PHASE 10 WHEN MARSH ROAD IS RE-OPENED TO TRAFFIC.*

CONCURRENCE FOR IMPLEMENTATION

TRAFFIC SAFETY — 08/28/2024 DATE

PREPARED BY

WRA Whitman, Requardt and Associates, LLP
Engineers • Architects • Environmental Planners Est. 1915

KYLE O. CLEVENGER LICENSE No. 18723 DELAWARE PROFESSIONAL ENGINEER

8/27/2024

THIS SEAL ONLY APPLIES TO THIS DETOUR SHEET — DATE — SEAL

8/27/2024

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."

ADDENDA / REVISIONS		NOT TO SCALE	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT	T201609601	PERMIT NO.	N/A	VEHICULAR DETOUR PLAN WESCOATS ROAD NORTHBOUND PHASES 8-10	SECTION	WRA
				COUNTY	SUSSEX	DESIGNED BY:	A. DOELP		SHEET NO.	135
						CHECKED BY:	K. CLEVENGER			

LAST REVISED: 9/11/2018
8/27/2024
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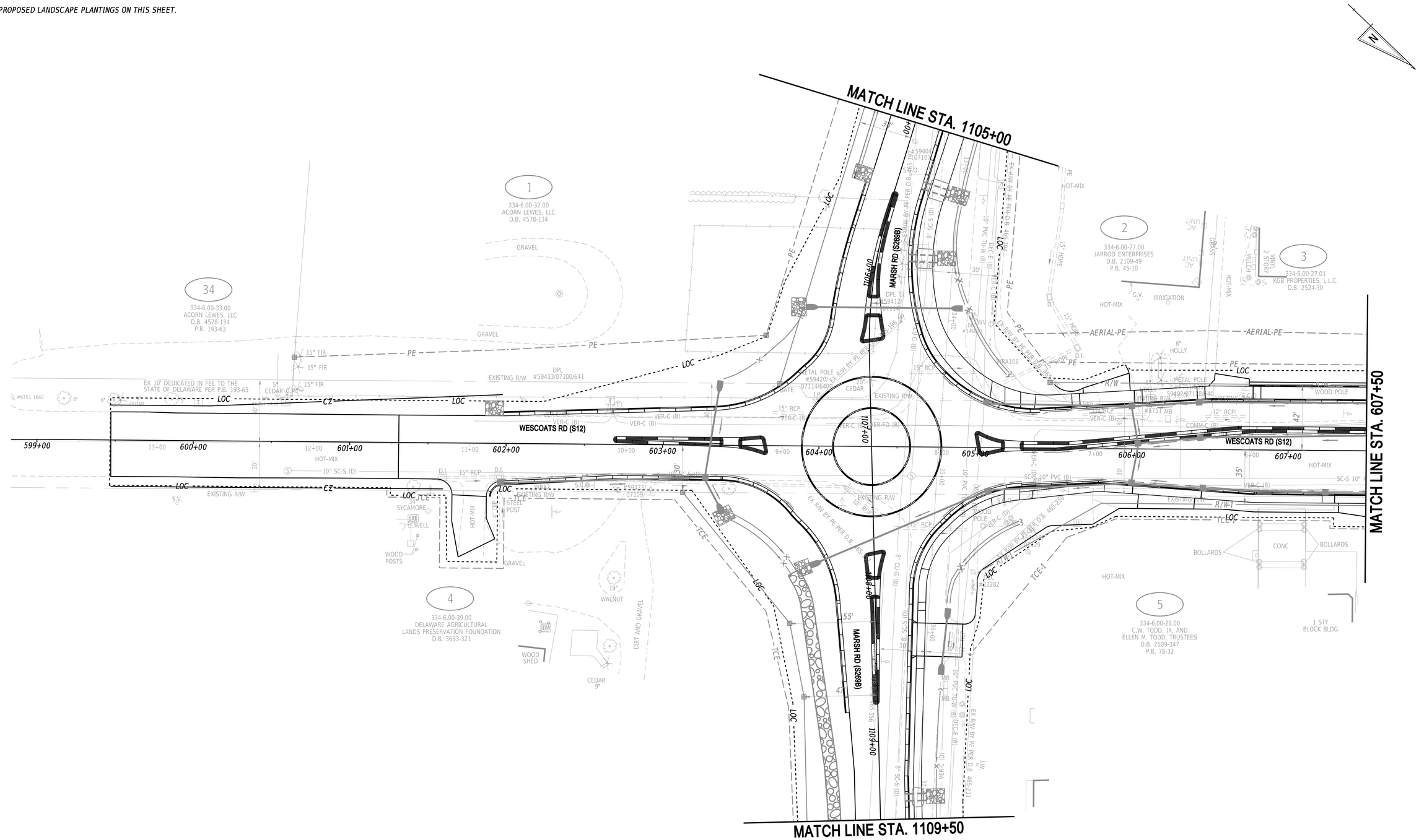
NOTES:

1. *NO PROPOSED LANDSCAPE PLANTINGS ON THIS SHEET.*



ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	LANDSCAPING PLANS	LS-01
				COUNTY SUSSEX	DESIGNED BY: K. LOCKMAN		SECTION WRA
					CHECKED BY: V. KOWALSKI		SHEET NO. 136

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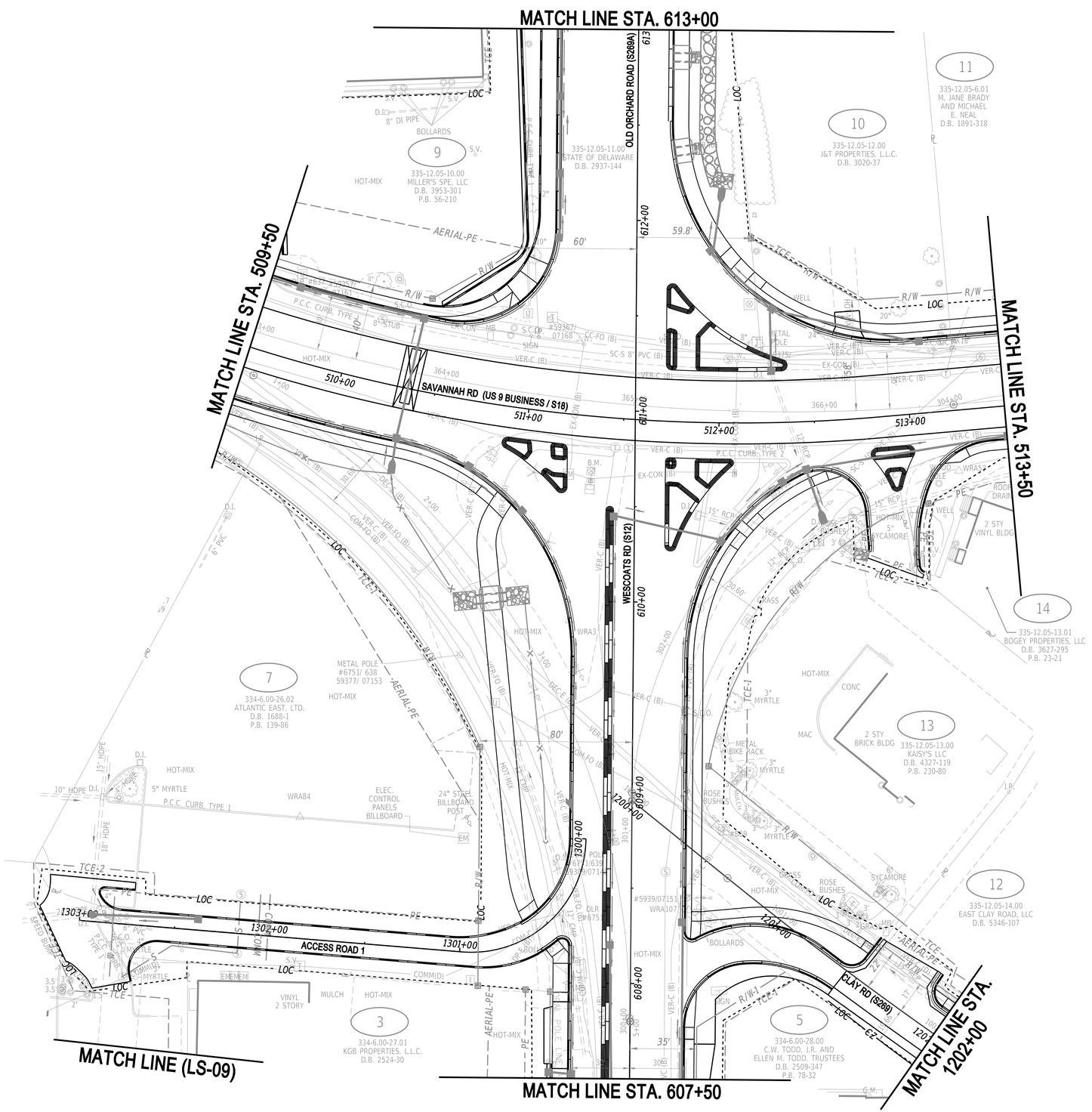
NOTES:

1. *NO PROPOSED LANDSCAPE PLANTINGS ON THIS SHEET.*



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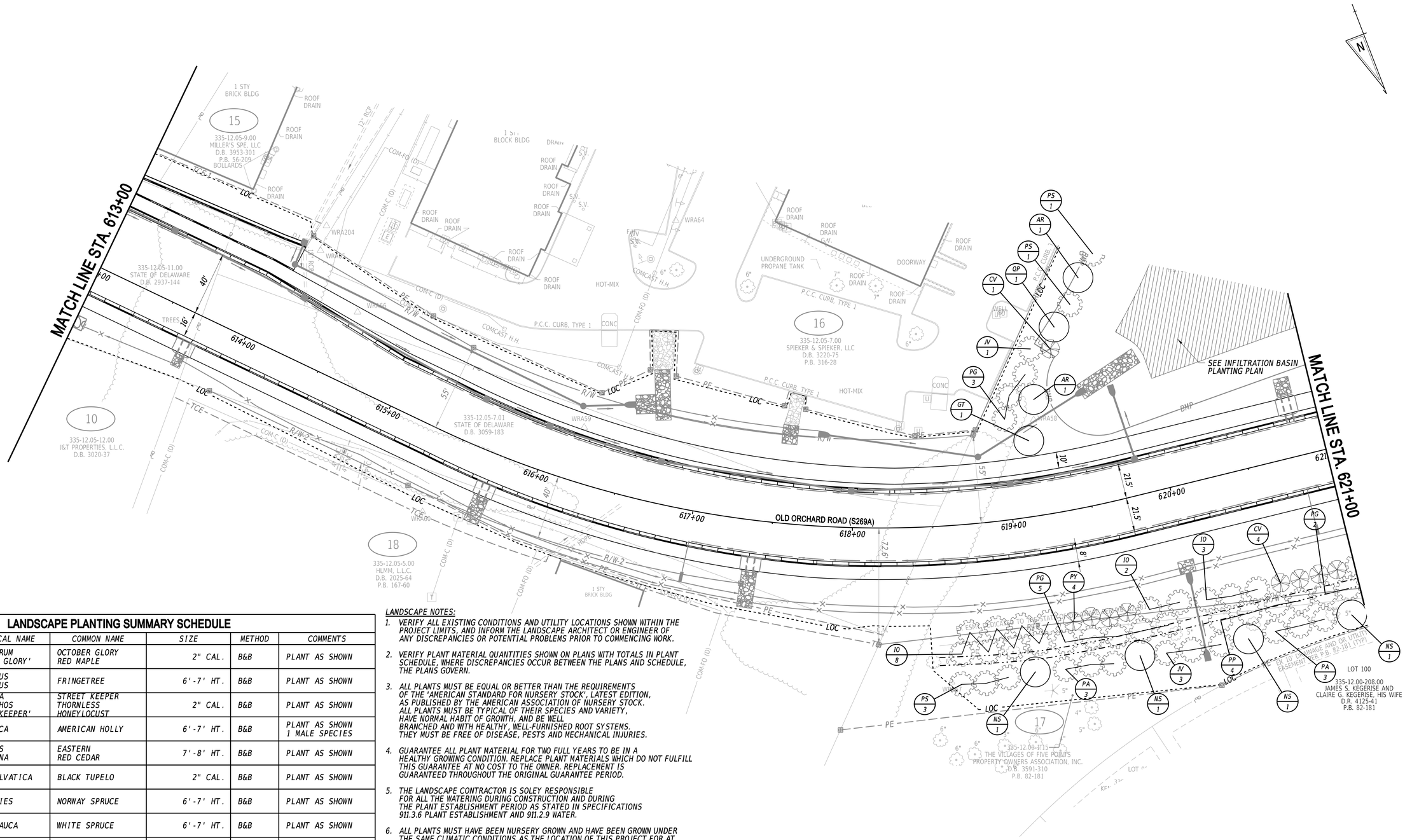
ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	LANDSCAPING PLANS	LS-02
				COUNTY SUSSEX	DESIGNED BY: K. LOCKMAN		SECTION WRA
					CHECKED BY: V. KOWALSKI		SHEET NO. 137



LANDSCAPE PLANTING SUMMARY SCHEDULE

ID	QTY	BOTANICAL NAME	COMMON NAME	SIZE	METHOD	COMMENTS
AR	2	ACER RUBRUM 'OCTOBER GLORY'	OCTOBER GLORY RED MAPLE	2" CAL.	B&B	PLANT AS SHOWN
CV	5	CHIONATHUS VIRGINICUS	FRINGETREE	6'-7' HT.	B&B	PLANT AS SHOWN
GT	1	GLEDITSIA TRIACANTHOS 'STREET KEEPER'	STREET KEEPER THORNLESS HONEYLOCUST	2" CAL.	B&B	PLANT AS SHOWN
IO	13	ILEX OPACA	AMERICAN HOLLY	6'-7' HT.	B&B	PLANT AS SHOWN 1 MALE SPECIES
JV	4	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	7'-8' HT.	B&B	PLANT AS SHOWN
NS	4	NYSSA SYLVATICA	BLACK TUPELO	2" CAL.	B&B	PLANT AS SHOWN
PA	6	PICEA ABIES	NORWAY SPRUCE	6'-7' HT.	B&B	PLANT AS SHOWN
PG	10	PICEA GLAUCA	WHITE SPRUCE	6'-7' HT.	B&B	PLANT AS SHOWN
PP	4	PICEA PUNGENS	COLORADO BLUE SPRUCE	5'-6' HT.	B&B	PLANT AS SHOWN
PS	5	PINUS STROBUS	WHITE PINE	6'-7' HT.	B&B	PLANT AS SHOWN
PY	4	PRUNUS X YEDOENSIS	YOSHINO CHERRY	2" CAL.	B&B	PLANT AS SHOWN
QP	1	QUERCUS PHELLOS	WILLOW OAK	2.5" CAL.	B&B	PLANT AS SHOWN

LANDSCAPE NOTES:

1. *VERIFY ALL EXISTING CONDITIONS AND UTILITY LOCATIONS SHOWN WITHIN THE PROJECT LIMITS, AND INFORM THE LANDSCAPE ARCHITECT OR ENGINEER OF ANY DISCREPANCIES OR POTENTIAL PROBLEMS PRIOR TO COMMENCING WORK.*
2. *VERIFY PLANT MATERIAL QUANTITIES SHOWN ON PLANS WITH TOTALS IN PLANT SCHEDULE, WHERE DISCREPANCIES OCCUR BETWEEN THE PLANS AND SCHEDULE, THE PLANS GOVERN.*
3. *ALL PLANTS MUST BE EQUAL OR BETTER THAN THE REQUIREMENTS OF THE 'AMERICAN STANDARD FOR NURSERY STOCK', LATEST EDITION, AS PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERY STOCK. ALL PLANTS MUST BE TYPICAL OF THEIR SPECIES AND VARIETY, HAVE NORMAL HABIT OF GROWTH, AND BE WELL BRANCHED AND WITH HEALTHY, WELL-FURNISHED ROOT SYSTEMS. THEY MUST BE FREE OF DISEASE, PESTS AND MECHANICAL INJURIES.*
4. *GUARANTEE ALL PLANT MATERIAL FOR TWO FULL YEARS TO BE IN A HEALTHY GROWING CONDITION. REPLACE PLANT MATERIALS WHICH DO NOT FULFILL THIS GUARANTEE AT NO COST TO THE OWNER. REPLACEMENT IS GUARANTEED THROUGHOUT THE ORIGINAL GUARANTEE PERIOD.*
5. *THE LANDSCAPE CONTRACTOR IS SOLEY RESPONSIBLE FOR ALL THE WATERING DURING CONSTRUCTION AND DURING THE PLANT ESTABLISHMENT PERIOD AS STATED IN SPECIFICATIONS 911.3.6 PLANT ESTABLISHMENT AND 911.2.9 WATER.*
6. *ALL PLANTS MUST HAVE BEEN NURSERY GROWN AND HAVE BEEN GROWN UNDER THE SAME CLIMATIC CONDITIONS AS THE LOCATION OF THIS PROJECT FOR AT LEAST TWO YEARS BEFORE PLANTING. NEITHER HEELED IN PLANTS NOR PLANTS FROM COLD STORAGE WILL BE ACCEPTED.*
7. *REQUEST ALL SUBSTITUTIONS OF PLANT MATERIAL IN WRITING TO THE LANDSCAPE ARCHITECT AND OBTAIN APPROVAL IN WRITING BY THE OWNER. FAILURE TO OBTAIN SUBSTITUTIONS IN WRITING MAY RESULT IN LIABILITY TO THE CONTRACTOR.*
8. *SPREAD ALL MULCH BEDS WITH THREE INCH(3") DEEP SHREDDED HARDWOOD BARK MULCH. MULCH IS ALL NATURAL BROWN, FREE OF DYES.*
9. *PLANT ALL PLANT MATERIAL ONLY DURING THE SPRING SEASON (APRIL 1 - MAY 15) OR FALL SEASON (SEPTEMBER 1 - NOVEMBER 15).*

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	T201609601	BRIDGE NO.	N/A
COUNTY	SUSSEX	DESIGNED BY:	K. LOCKMAN
		CHECKED BY:	V. KOWALSKI

LANDSCAPING PLANS

	LS-03
SECTION	WRA
SHEET NO.	138

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LANDSCAPE PLANTING SUMMARY SCHEDULE

ID	QTY	BOTANICAL NAME	COMMON NAME	SIZE	METHOD	COMMENTS
CC	5	CERCIS CANADENSIS	EASTERN REDBUD	6'-7' HT.	B&B	PLANT AS SHOWN
CV	13	CHIONATHUS VIRGINICUS	FRINGETREE	6'-7' HT.	B&B	PLANT AS SHOWN
GT	10	GLEDITSIA TRIACANTHOS 'STREET KEEPER'	STREET KEEPER THORNLESS HONEYLOCUST	2" CAL.	B&B	PLANT AS SHOWN
IO	33	ILEX OPACA	AMERICAN HOLLY	6'-7' HT.	B&B	PLANT AS SHOWN 3 MALE SPECIES
JV	5	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	7'-8' HT.	B&B	PLANT AS SHOWN
NS	4	NYSSA SYLVATICA	BLACK TUPELO	2" CAL.	B&B	PLANT AS SHOWN

LANDSCAPE PLANTING SUMMARY SCHEDULE CONTINUED

ID	QTY	BOTANICAL NAME	COMMON NAME	SIZE	METHOD	COMMENTS
PA	16	PICEA ABIES	NORWAY SPRUCE	6'-7' HT.	B&B	PLANT AS SHOWN
PG	25	PICEA GLAUCA	WHITE SPRUCE	6'-7' HT.	B&B	PLANT AS SHOWN
PP	8	PICEA PUNGENS	COLORADO BLUE SPRUCE	5'-6' HT.	B&B	PLANT AS SHOWN
PS	3	PINUS STROBUS	WHITE PINE	6'-7' HT.	B&B	PLANT AS SHOWN
PY	8	PRUNUS X YEDOENSIS	YOSHINO CHERRY	2" CAL.	B&B	PLANT AS SHOWN
QP	5	QUERCUS PHELLOS	WILLOW OAK	2.5" CAL.	B&B	PLANT AS SHOWN

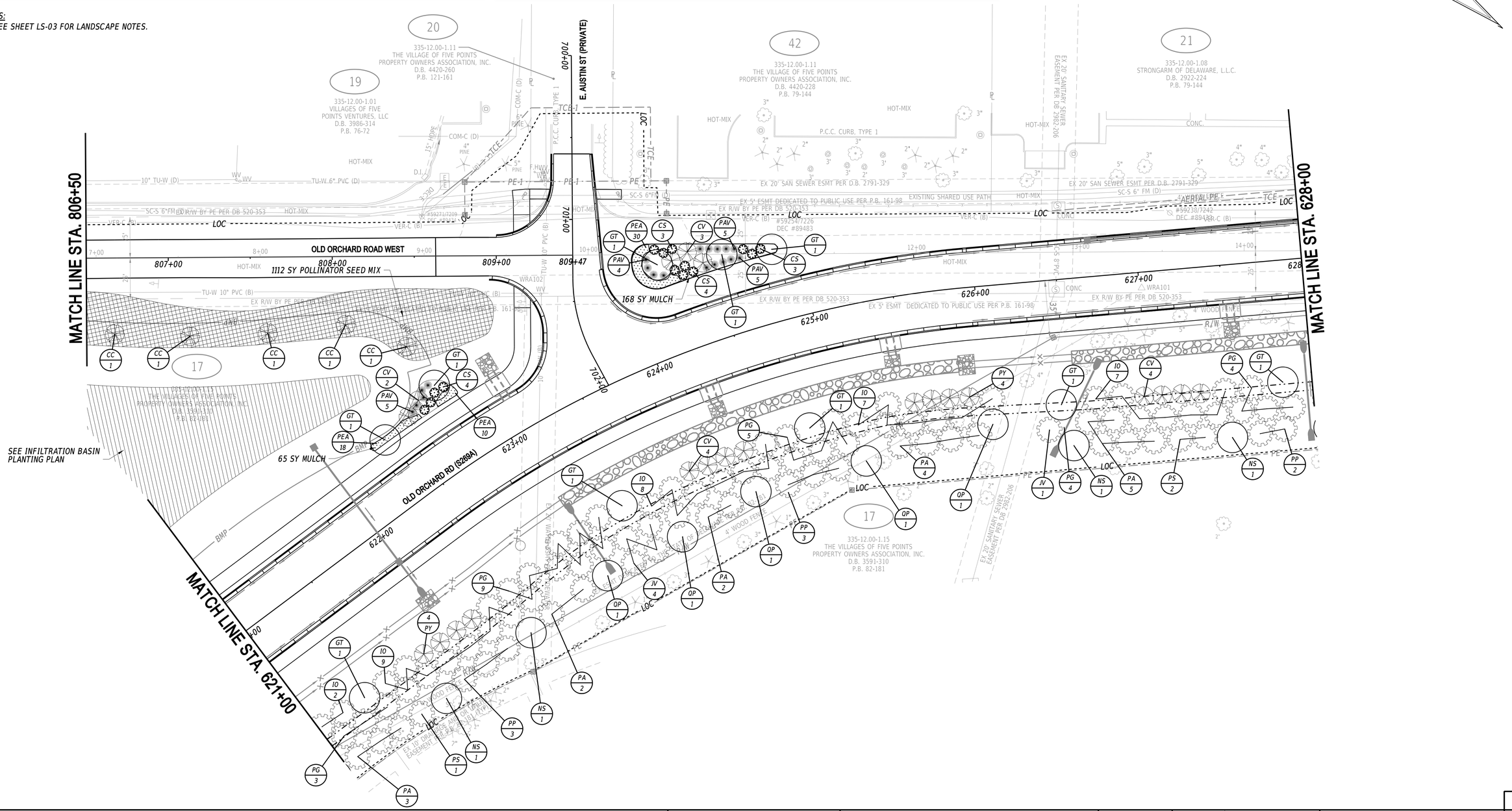
LANDSCAPE PLANTING SUMMARY SCHEDULE CONTINUED

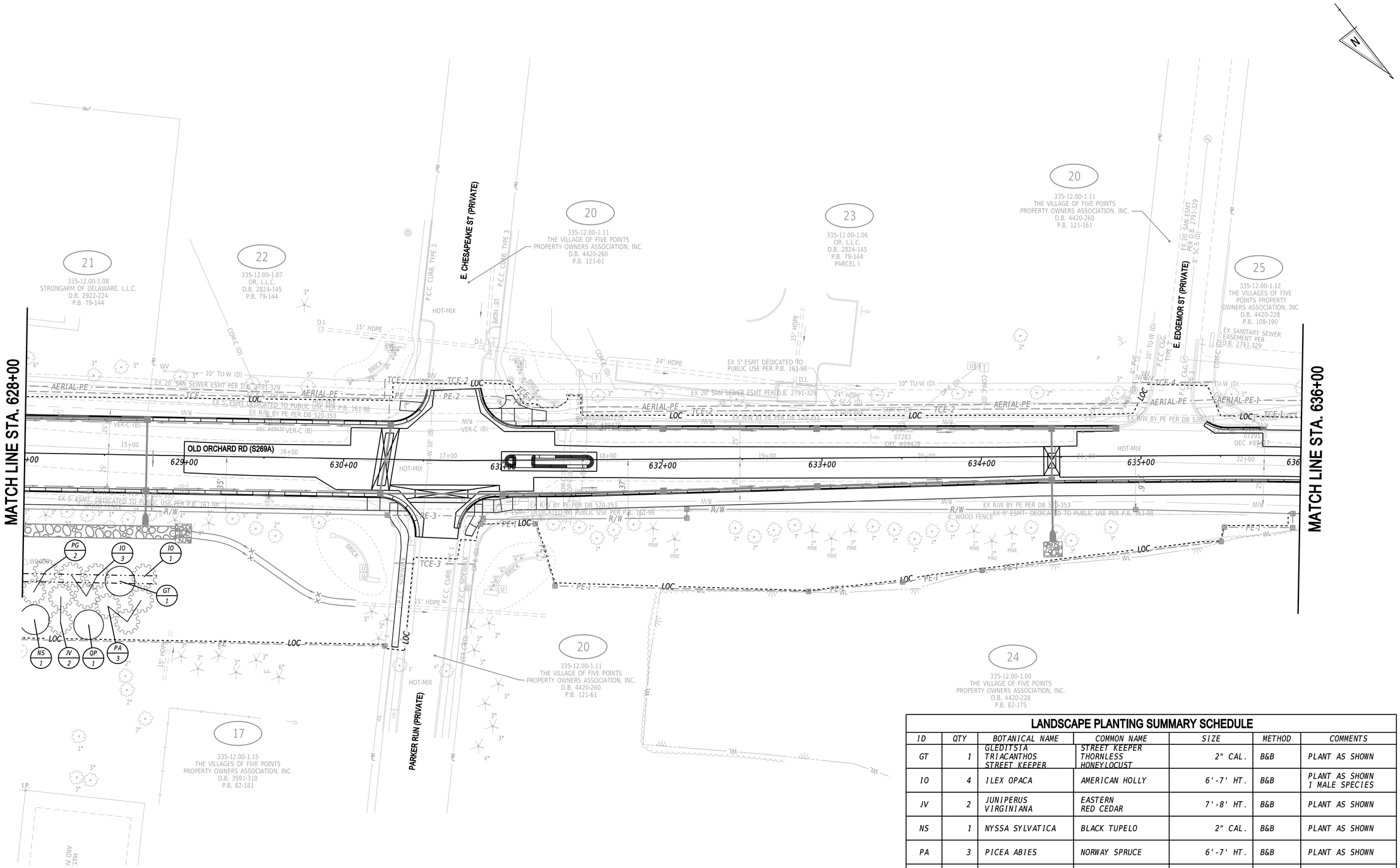
ID	QTY	BOTANICAL NAME	COMMON NAME	SIZE	METHOD	COMMENTS
CS	14	CORNUS STOLONIFERA 'ARCTIC FIRE'	ARCTIC FIRE RED DOGWOOD	2' HT.	#5 CONT.	PLANT AS SHOWN
PAV	19	PANICUM VIRGATUM 'CAPE BREEZE'	CAPE BREEZE SWITCHGRASS	MIN. 18"	#3 CONT.	PLANT AS SHOWN
PEA	58	PENNISETUM ALOPECUROIDES 'HAMELN'	LITTLE BUNNY FOUNTAIN GRASS	MIN. 18"	#2 CONT.	PLANT 36" O.C.

MISC. LANDSCAPE ITEMS

ITEM DESCRIPTION	QTY
POLLINATOR MEADOW SEED MIX (SY)	1112
TRIPLE-SHREDDED HARDWOOD MULCH (SY)	233

NOTES:
1. SEE SHEET LS-03 FOR LANDSCAPE NOTES.


MATCH LINE STA. 806+50
MATCH LINE STA. 628+00
MATCH LINE STA. 621+00
E. AUSTIN ST (PRIVATE)
OLD ORCHARD ROAD WEST
OLD ORCHARD RD (S289A)
1112 SY POLLINATOR SEED MIX
168 SY MULCH
65 SY MULCH
SEE INFILTRATION BASIN PLANTING PLAN
335-12.00-1.11 THE VILLAGE OF FIVE POINTS PROPERTY OWNERS ASSOCIATION, INC. D.B. 4420-260 P.B. 121-161
335-12.00-1.01 VILLAGES OF FIVE POINTS VENTURES, LLC D.B. 3986-314 P.B. 76-72
335-12.00-1.11 THE VILLAGE OF FIVE POINTS PROPERTY OWNERS ASSOCIATION, INC. D.B. 4420-228 P.B. 79-144
335-12.00-1.08 STRONGARM OF DELAWARE, L.L.C. D.B. 2922-224 P.B. 79-144
335-12.00-1.15 THE VILLAGES OF FIVE POINTS PROPERTY OWNERS ASSOCIATION, INC. D.B. 3591-310 P.B. 82-181
EX 20' SANITARY SEWER EASEMENT PER DB 2392-206
EX 5' ESMT DEDICATED TO PUBLIC USE PER P.B. 161-98
EX R/W BY PE PER DB 520-353
EX 20' SAN SEWER ESMT PER D.B. 2791-329
EXISTING SHARED USE PATH
PROPOSED SHARED USE PATH
PROPOSED 4' WOOD FENCE
PROPOSED 6' WOOD FENCE
PROPOSED 8' WOOD FENCE
PROPOSED 4' WOOD FENCE GATE
PROPOSED 6' WOOD FENCE GATE
PROPOSED 8' WOOD FENCE GATE
PROPOSED 6' WOOD FENCE TO BE REMOVED
PROPOSED 8' WOOD FENCE TO BE REMOVED
PROPOSED 4' WOOD FENCE TO BE REMOVED
PROPOSED 6' WOOD FENCE GATE TO BE REMOVED
PROPOSED 8' WOOD FENCE GATE TO BE REMOVED
PROPOSED 4' WOOD FENCE GATE TO BE REMOVED
PROPOSED 6' WOOD FENCE TO BE RELOCATED
PROPOSED 8' WOOD FENCE TO BE RELOCATED
PROPOSED 4' WOOD FENCE TO BE RELOCATED
PROPOSED 6' WOOD FENCE GATE TO BE RELOCATED
PROPOSED 8' WOOD FENCE GATE TO BE RELOCATED
PROPOSED 4' WOOD FENCE GATE TO BE RELOCATED
PROPOSED 6' WOOD FENCE TO BE REMOVED AND RELOCATED
PROPOSED 8' WOOD FENCE TO BE REMOVED AND RELOCATED
PROPOSED 4' WOOD FENCE TO BE REMOVED AND RELOCATED
PROPOSED 6' WOOD FENCE GATE TO BE REMOVED AND RELOCATED
PROPOSED 8' WOOD FENCE GATE TO BE REMOVED AND RELOCATED
PROPOSED 4' WOOD FENCE GATE TO BE REMOVED AND



LANDSCAPE PLANTING SUMMARY SCHEDULE

ID	QTY	BOTANICAL NAME	COMMON NAME	SIZE	METHOD	COMMENTS
GT	1	GLEDITSIA TRIACANTHOS STREET KEEPER	STREET KEEPER THORNLESS HONEYLOCUST	2" CAL.	B&B	PLANT AS SHOWN
IO	4	ILEX OPACA	AMERICAN HOLLY	6'-7' HT.	B&B	PLANT AS SHOWN 1 MALE SPECIES
JV	2	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	7'-8' HT.	B&B	PLANT AS SHOWN
NS	1	NYSSA SYLVATICA	BLACK TUPELO	2" CAL.	B&B	PLANT AS SHOWN
PA	3	PICEA ABIES	NORWAY SPRUCE	6'-7' HT.	B&B	PLANT AS SHOWN
PG	2	PICEA GLAUCA	WHITE SPRUCE	6'-7' HT.	B&B	PLANT AS SHOWN
QP	1	QUERCUS PHELLOS	WILLOW OAK	2.5" CAL.	B&B	PLANT AS SHOWN

NOTES:
1. SEE SHEET LS-03 FOR LANDSCAPE NOTES.

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10/3/27 AM
4/4/2025

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

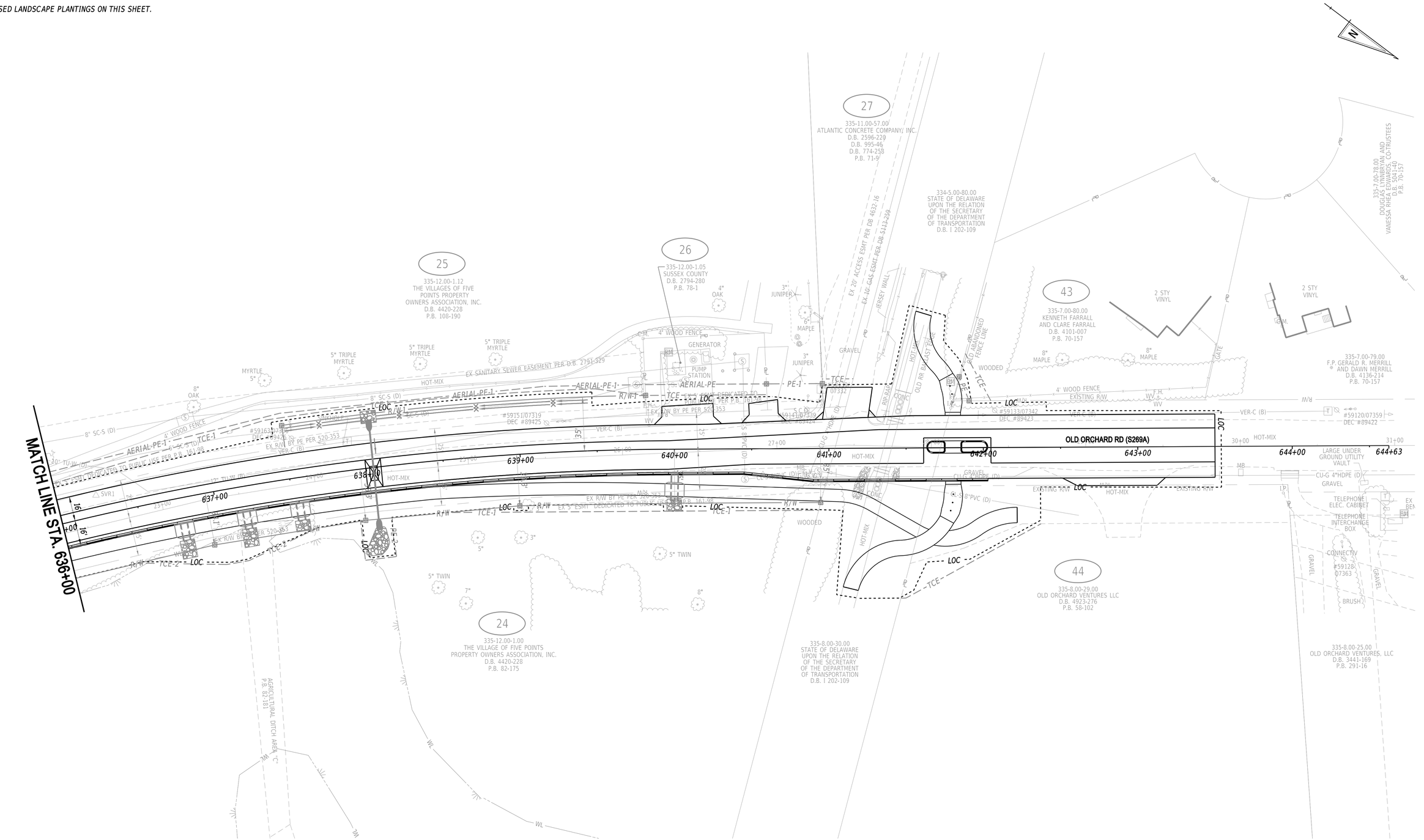
CONTRACT	T201609601
COUNTY	SUSSEX
BRIDGE NO.	N/A
DESIGNED BY:	K. LOCKMAN
CHECKED BY:	V. KOWALSKI

LANDSCAPING PLANS

LS-05
SECTION WRA
SHEET NO. 140

NOTES:

1. NO PROPOSED LANDSCAPE PLANTINGS ON THIS SHEET.



ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	LANDSCAPING PLANS	LS-06
				COUNTY SUSSEX	DESIGNED BY: K. LOCKMAN		SECTION WRA
					CHECKED BY: V. KOWALSKI		SHEET NO. 141

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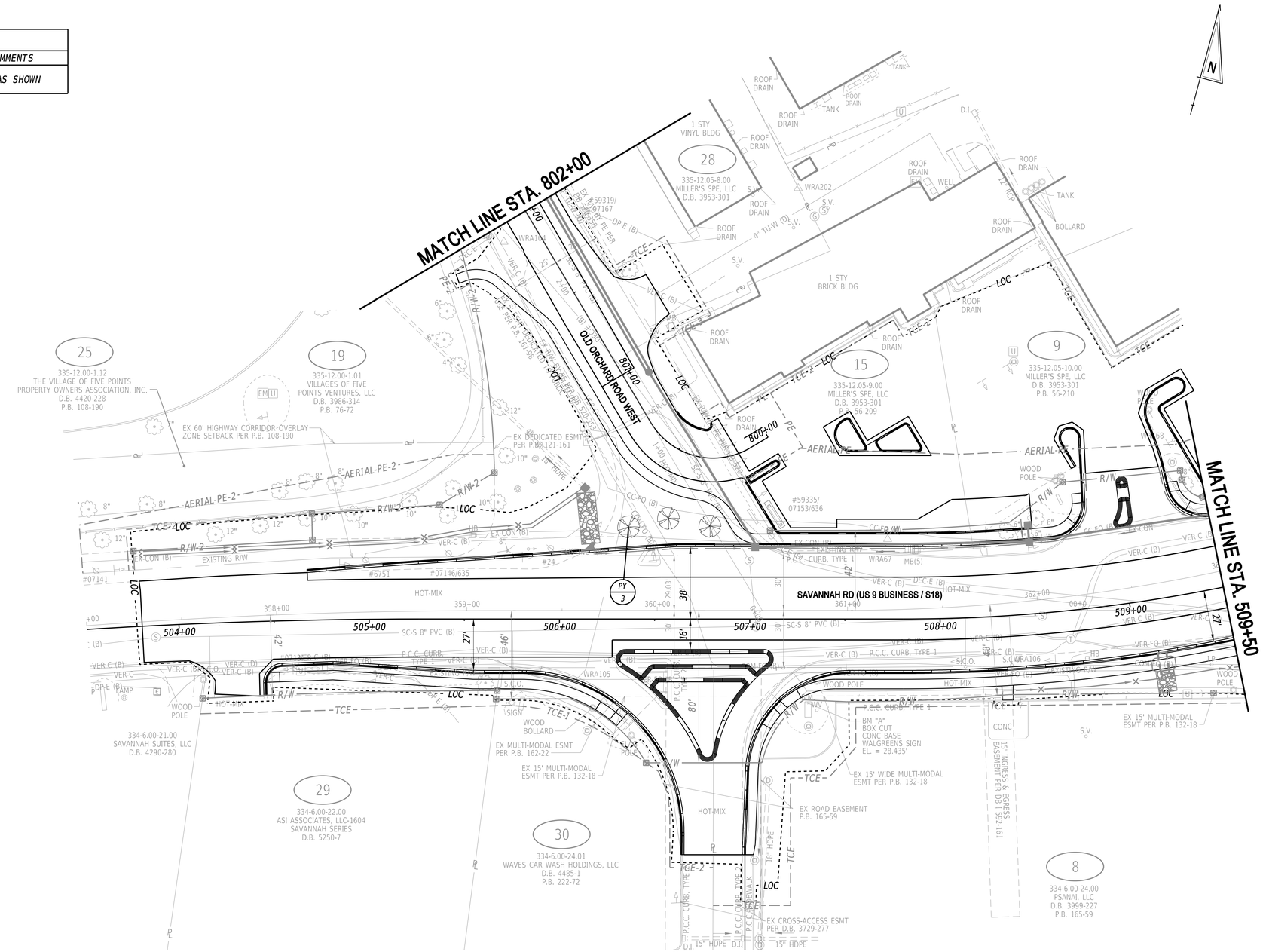
4/4/2025 10:33:41 AM

LANDSCAPE PLANTING SUMMARY SCHEDULE

ID	QTY	BOTANICAL NAME	COMMON NAME	SIZE	METHOD	COMMENTS
PY	3	PRUNUS X YEDOENSIS	YOSHINO CHERRY	2" CAL.	B&B	PLANT AS SHOWN

NOTES:

1. SEE SHEET LS-03 FOR LANDSCAPE NOTES.



ADDENDA / REVISIONS	

SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY:	K. LOCKMAN
COUNTY	CHECKED BY:	V. KOWALSKI
SUSSEX		

LANDSCAPING PLANS

LS-07
SECTION
WRA
SHEET NO.
142

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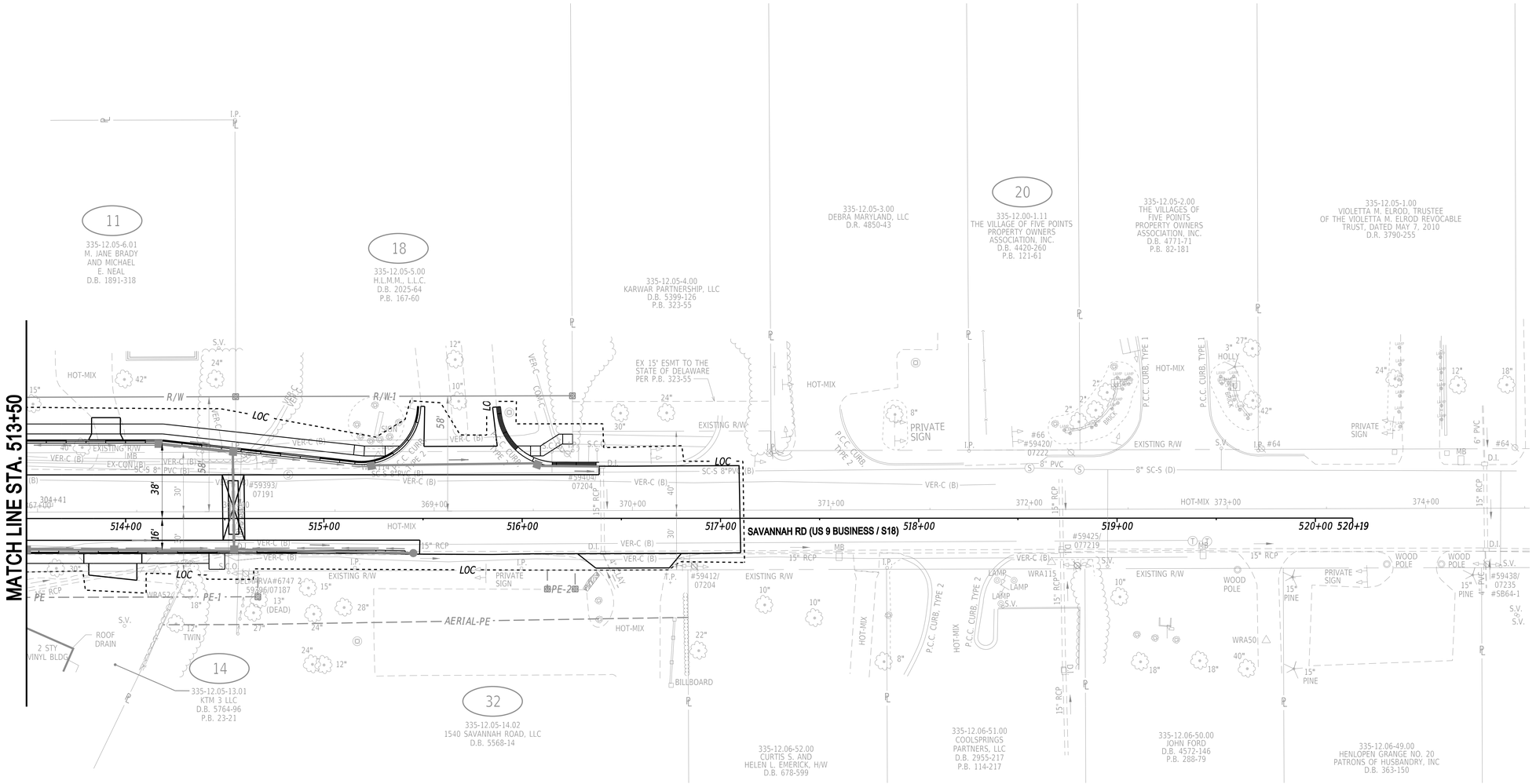
NOTES:

1. NO PROPOSED LANDSCAPE PLANTINGS ON THIS SHEET.



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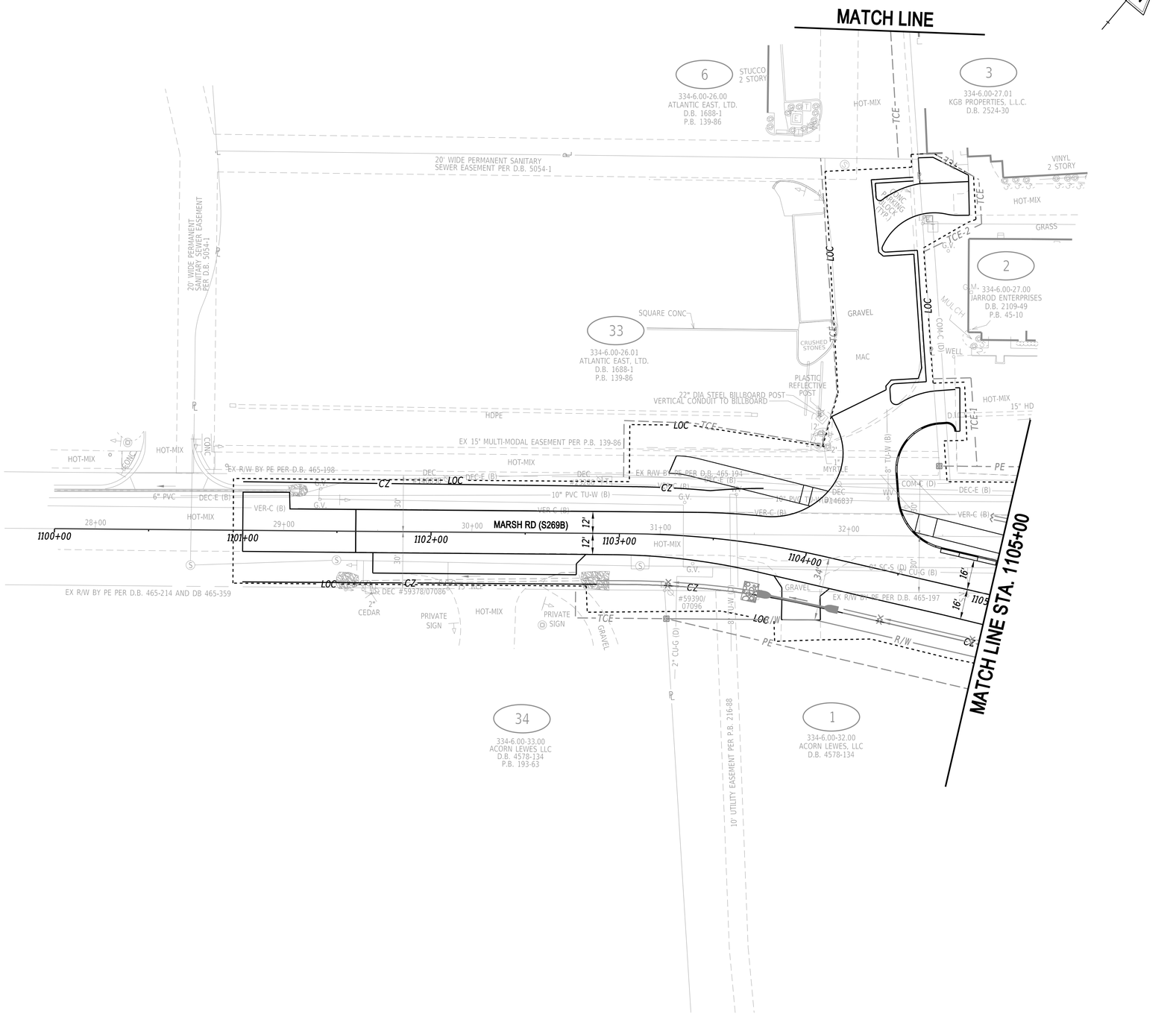
ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	LANDSCAPING PLANS	LS-08
				COUNTY SUSSEX	DESIGNED BY: K. LOCKMAN		SECTION WRA
					CHECKED BY: V. KOWALSKI		SHEET NO. 143

NOTES:

1. NO PROPOSED LANDSCAPE PLANTINGS ON THIS SHEET.



ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	LANDSCAPING PLANS	LS-09
				COUNTY SUSSEX	DESIGNED BY: K. LOCKMAN		SECTION WRA
					CHECKED BY: V. KOWALSKI		SHEET NO. 144

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LANDSCAPE PLANTING SUMMARY SCHEDULE

ID	QTY	BOTANICAL NAME	COMMON NAME	SIZE	METHOD	COMMENTS
CC	4	CERCIS CANADENSIS	EASTERN REDBUD	6'-7' HT.	B&B	PLANT AS SHOWN
CS	8	CORNUS STOLONIFERA 'ARCTIC FIRE'	ARCTIC FIRE RED DOGWOOD	2' HT.	#5 CONT.	PLANT AS SHOWN

NOTES:
1. SEE SHEET LS-03 FOR LANDSCAPE NOTES.

MISC. LANDSCAPE ITEMS

ITEM DESCRIPTION	QTY
TRIPLE-SHREDDED HARDWOOD MULCH (SY)	33

N

MATCH LINE STA. 1202+00

MATCH LINE STA. 1109+50

CLAY RD (S269)

MARSH RD (S269B)

12
335-12.05-14.00
EAST CLAY ROAD, LLC
D.B. 5346-107

35
335-12.06-36.01
MHC MCNICHOL PLACE, L.L.C.
D.B. 3306-252
P.B. 48-34

36
335-12.06-36.00
SAMIR AND
THANA L GHABRA, H/W
D.B. 2493-305
P.B. 28-262

5
334-6.00-28.00
C.W. TODD, JR. AND
ELLEN M. TODD, TRUSTEES
D.B. 2509-347
P.B. 78-32

37
335-12.06-53.00
LEWES OFFICE, LLC
D.B. 4167-258

38
335-12.06-54.00
JAMES B II
AND MARY E PHILLIPS, H/W
D.B. 1974-264

39
335-12.06-55.00
KATHERINE KAREN PERGOLA AND
DENNIS G. PERGOLA
D.B. 5104-334

4
334-6.00-39.00
DELAWARE AGRICULTURAL
LANDS PRESERVATION FOUNDATION
D.B. 3663-321

335-12.06-56.00
HEIRS OF MARION C. WARF
D.B. 433-322
W.R. 196-104

ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	LANDSCAPING PLANS	LS-10	
				COUNTY SUSSEX	DESIGNED BY: K. LOCKMAN		SECTION WRA	
					CHECKED BY: V. KOWALSKI		SHEET NO. 145	

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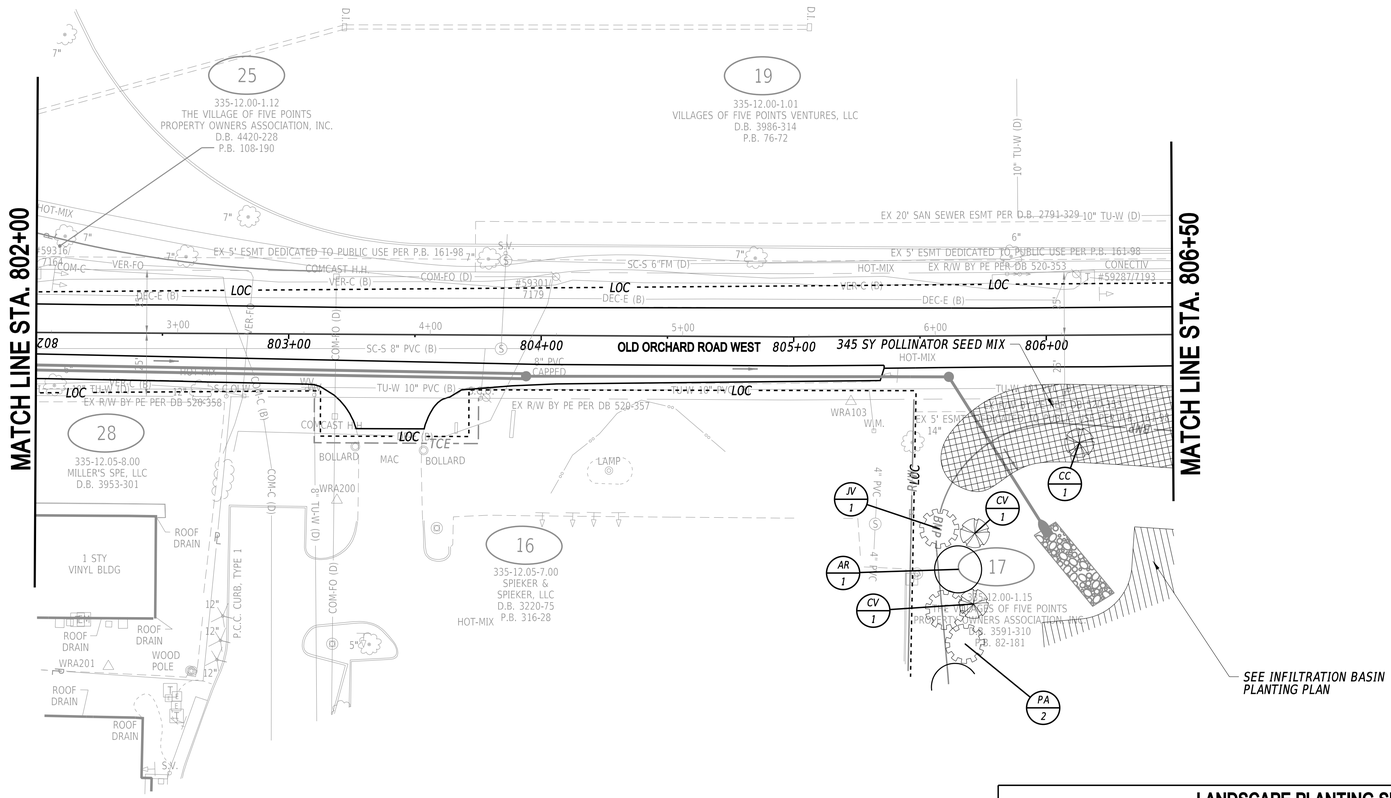

MISC. LANDSCAPE ITEMS

ITEM DESCRIPTION	QTY
POLLINATOR MEADOW SEED MIX (SY)	345

LANDSCAPE PLANTING SUMMARY SCHEDULE

ID	QTY	BOTANICAL NAME	COMMON NAME	SIZE	METHOD	COMMENTS
AR	1	ACER RUBRUM 'OCTOBER GLORY'	OCTOBER GLORY RED MAPLE	2" CAL.	B&B	PLANT AS SHOWN
CC	1	CERCIS CANADENSIS	EASTERN REDBUD	6'-7' HT.	B&B	PLANT AS SHOWN
CV	2	CHIONATHUS VIRGINICUS	FRINGETREE	6'-7' HT.	B&B	PLANT AS SHOWN
JV	1	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	7'-8' HT.	B&B	PLANT AS SHOWN
PA	2	PICEA ABIES	NORWAY SPRUCE	6'-7' HT.	B&B	PLANT AS SHOWN

NOTES:
1. SEE SHEET LS-03 FOR LANDSCAPE NOTES.

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ADDENDA / REVISIONS

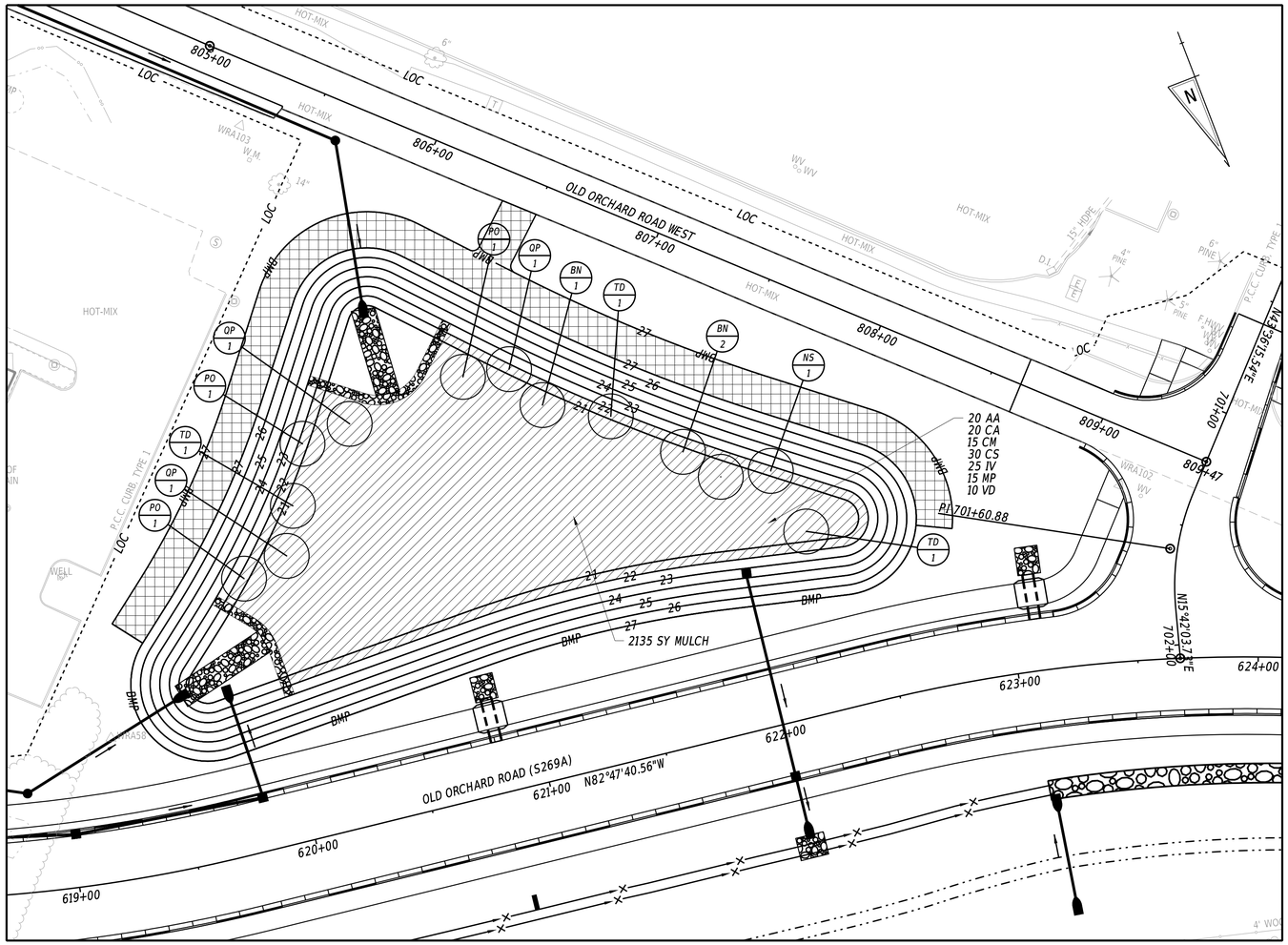
SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY:	K. LOCKMAN
COUNTY	CHECKED BY:	V. KOWALSKI
SUSSEX		

LANDSCAPING PLANS

LS-11
SECTION
WRA
SHEET NO.
146



INFILTRATION BASIN PLANTING PLAN

BASIN TREE PLANTING SCHEDULE

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	METHOD	MATURE SIZE	SPACING
TREES							
BN	3	BETULA NIGRA	RIVER BIRCH	1.5" CAL.	CONT.	40' - 60' HEIGHT 40' - 60' SPREAD	AS SHOWN
NS	1	NYSSA SYLVATICA	BLACK GUM	1.5" CAL.	CONT.	30' - 50' HEIGHT 20' - 30' SPREAD	AS SHOWN
PO	3	PLATANUS OCCIDENTALIS	AMERICAN SYCAMORE	1.5" CAL.	CONT.	75' - 100' HEIGHT 75' - 100' SPREAD	AS SHOWN
QP	3	QUERCUS PHELLOS	WILLOW OAK	1.5" CAL.	CONT.	40' - 60' HEIGHT 30' - 40' SPREAD	AS SHOWN
TD	3	TAXODIUM DISTICHUM	BALD CYPRESS	6' HT.	CONT.	60' - 70' HEIGHT 30' - 45' SPREAD	AS SHOWN

BASIN SHRUB PLANTING SCHEDULE

KEY	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	NOTES
AA	20	ARONIA ARBUTIFOLIA	RED CHOKEBERRY	#3 CONTAINER	RANDOMLY PLACE SHRUB MASSES WITHIN THE BASIN AREA IN GROUPS OF 5 OF THE SAME SPECIES WITH A MAXIMUM SPACING OF 8' ON CENTER. THREE OF THE ILEX VERTICILLATA SHRUBS ARE TO BE MALE SPECIES.
CA	20	CLETHRA ALINIFOLIA	SWEET PEPPERBUSH	#3 CONTAINER	
CM	15	CORNUS AMOMUM	SILKY DOGWOOD	#3 CONTAINER	
CS	30	CORNUS SERICEA	RED-TWIG DOGWOOD	#3 CONTAINER	
IV	25	ILEX VERTICILLATA	WINTERBERRY	#3 CONTAINER	
MP	15	MYRICA PENNSYLVANICA	NORTHERN BAYBERRY	#3 CONTAINER	
VD	10	VIBURNUM DENTATUM	ARROWWOOD	#3 CONTAINER	

BASIN HERBACEOUS PLANTING SCHEDULE

KEY	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	NOTES
	400	ANDROPOGON GERARDII	BIG BLUESTEM	LP50 PLUGS	PLANT CONTAINERS 18" O.C. AND RANDOMIZE LOCATION OF SPECIES IN BASIN AREA. DO NOT PLANT WITHIN 1.5' RADIUS OF SHRUB PLANTINGS AND 2' RADIUS WITHIN TREE PLANTINGS.
	650	ASCLEPIAS INCARNATA	SWAMP MILKWEED	LP50 PLUGS	
	550	ASTER NOVAE-ANGLIAE	NEW ENGLAND ASTER	LP50 PLUGS	
	850	CAREX VULPINOIDEA	FOX SEDGE	LP50 PLUGS	
	600	ELYMUS VIRGINICUS	VIRGINIA WILD RYE	LP50 PLUGS	
	550	EUPATORIUM FISTULOSUM	JOE-PYE WEED	LP50 PLUGS	
	600	HELIANTHUS ANGUSTIFOLIUS	SWAMP SUNFLOWER	LP50 PLUGS	
	750	JUNCUS EFFUSUS	SOFT RUSH	LP50 PLUGS	
	1200	PANICUM VIRGATUM	SWITCHGRASS	LP50 PLUGS	
	750	RUDBECKIA LACINIATA	CUT-LEAF CONEFLOWER	LP50 PLUGS	
	550	SCIRPUS PUNGENS	COMMON THREE SQUARE	LP50 PLUGS	
	550	SOLIDAGO SEMPREVIRENS	SEASIDE GOLDENROD	LP50 PLUGS	

MISC. LANDSCAPE ITEMS	
ITEM DESCRIPTION	*QTY*
TRIPLE-SHREDDED HARDWOOD MULCH (SY)	*2135*

NOTES:
1. SEE SHEET LS-03 FOR LANDSCAPE NOTES.

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ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	LANDSCAPING PLANS	LS-12 SECTION
				COUNTY SUSSEX	DESIGNED BY: K. LOCKMAN		WRA SHEET NO.
					CHECKED BY: V. KOWALSKI		147

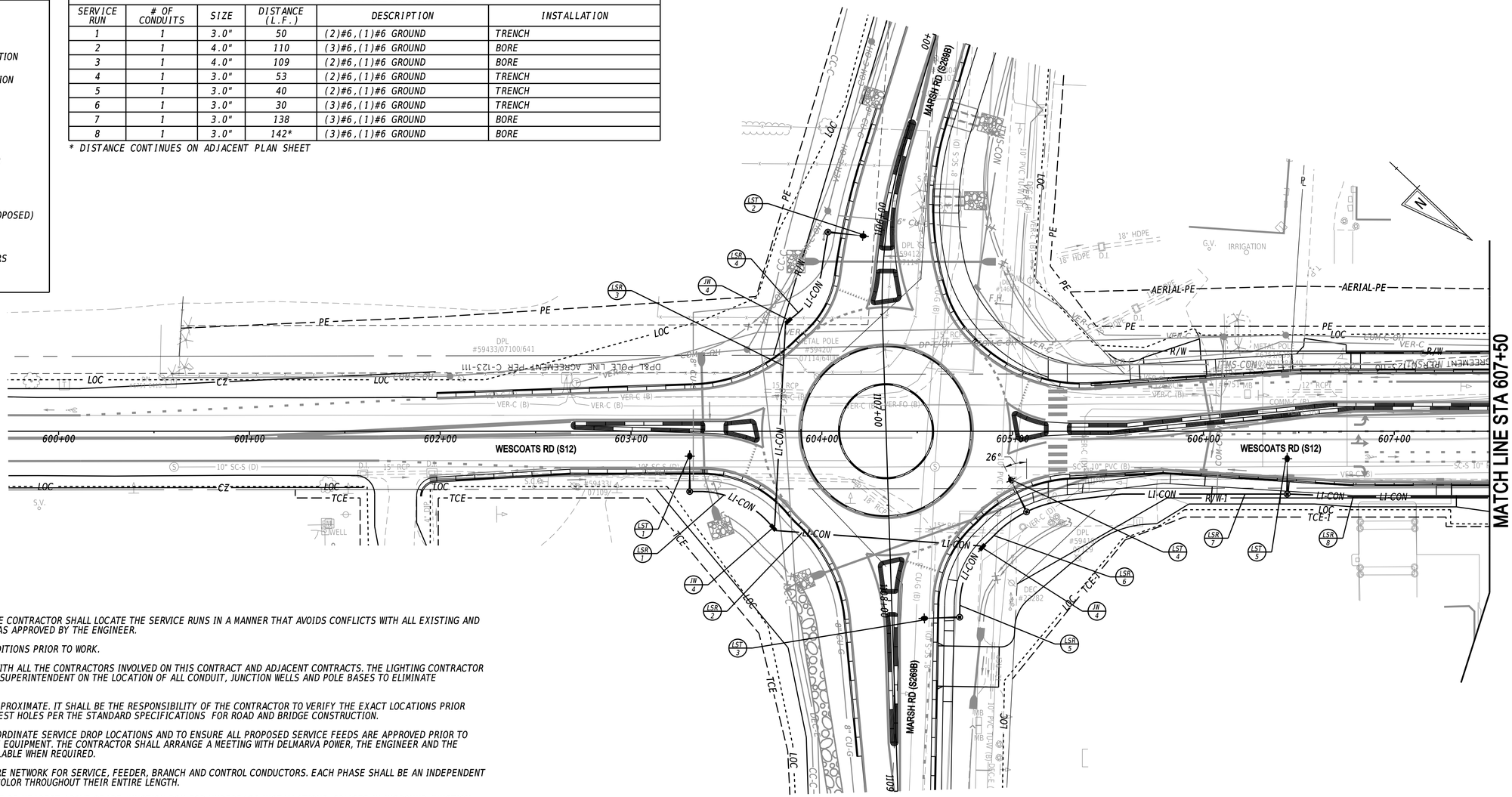
LIGHTING SYMBOL LEGEND

SYMBOL	DESCRIPTION
	– PROPOSED LIGHTING STANDARD
	– EXISTING LIGHTING STANDARD
CA Y	– PROPOSED LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE AND IDENTIFIER
CA X	– EXISTING LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE AND IDENTIFIER
	– PROPOSED JUNCTION WELL LIGHTING
J.W.	– EXISTING JUNCTION WELL LIGHTING
P P	– ELECTRIC UTILITY SERVICE EQUIPMENT (EXISTING AND PROPOSED)
— LI-CON —	– PROPOSED LIGHTING SERVICE RUN (CONDUIT)
EX-CON	– EXISTING SERVICE RUN
LST X - LST Y	– LIGHTING STANDARD IDENTIFIER (EXISTING AND PROPOSED)
LSR X - LSR Y	– SERVICE RUN IDENTIFIER (EXISTING AND PROPOSED)
JW X - JB #	– JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
RM C - RM D	– REMOVE BY CONTRACTOR / REMOVE BY OTHERS
AB	– ABANDON BY CONTRACTOR

LIGHTING SERVICE SCHEDULE

SERVICE RUN	# OF CONDUITS	SIZE	DISTANCE (L.F.)	DESCRIPTION	INSTALLATION
1	1	3.0"	50	(2)#6,(1)#6 GROUND	TRENCH
2	1	4.0"	110	(3)#6,(1)#6 GROUND	BORE
3	1	4.0"	109	(2)#6,(1)#6 GROUND	BORE
4	1	3.0"	53	(2)#6,(1)#6 GROUND	TRENCH
5	1	3.0"	40	(2)#6,(1)#6 GROUND	TRENCH
6	1	3.0"	30	(3)#6,(1)#6 GROUND	TRENCH
7	1	3.0"	138	(3)#6,(1)#6 GROUND	BORE
8	1	3.0"	142*	(3)#6,(1)#6 GROUND	BORE

* DISTANCE CONTINUES ON ADJACENT PLAN SHEET



LIGHTING STANDARD SCHEDULE

NO.	CIRCUIT NO.	STATION	OFFSET	HEIGHT	ARM	LIGHT STANDARD
LST-1	1	603+30.8	31.6' RT.	30'	12'	161 WATT LED, TYPE 4
LST-2	3	1106+10.0	30.4' RT.	30'	12'	161 WATT LED, TYPE 4
LST-3	3	1108+09.9	35.4' LT.	30'	12'	161 WATT LED, TYPE 4
LST-4	1	605+07.3	42.3' RT.	30'	12'	161 WATT LED, TYPE 4
LST-5	3	606+43.9	33.0' RT.	30'	12'	161 WATT LED, TYPE 4

NOTE:

1. PLACE LST-4 MAST ARM AT 26 DEGREES COUNTERCLOCKWISE FROM THE PERPENDICULAR TO THE WESCOATS ROAD CONSTRUCTION BASELINE.

PROJECT LIGHTING NOTES:

1. SERVICE RUNS ARE SHOWN IN APPROXIMATE LOCATIONS. THE CONTRACTOR SHALL LOCATE THE SERVICE RUNS IN A MANNER THAT AVOIDS CONFLICTS WITH ALL EXISTING AND PROPOSED FEATURES AS FIELD CONDITIONS DICTATE AND AS APPROVED BY THE ENGINEER.
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO WORK.
3. THE LIGHTING CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL THE CONTRACTORS INVOLVED ON THIS CONTRACT AND ADJACENT CONTRACTS. THE LIGHTING CONTRACTOR SHALL COORDINATE WITH THE ENGINEER AND THE GENERAL SUPERINTENDENT ON THE LOCATION OF ALL CONDUIT, JUNCTION WELLS AND POLE BASES TO ELIMINATE CONSTRUCTION CONFLICTS.
4. EXISTING UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXACT LOCATIONS PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL PERFORM TEST HOLES PER THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
5. THE CONTRACTOR SHALL CONTACT DELMARVA POWER TO COORDINATE SERVICE DROP LOCATIONS AND TO ENSURE ALL PROPOSED SERVICE FEEDS ARE APPROVED PRIOR TO INSTALLATION OF CABINETS AND ELECTRIC UTLITY SERVICE EQUIPMENT. THE CONTRACTOR SHALL ARRANGE A MEETING WITH DELMARVA POWER, THE ENGINEER AND THE DELDOT TRAFFIC SECTION TO ENSURE THAT POWER IS AVAILABLE WHEN REQUIRED.
6. COLOR CODING SHALL BE PROVIDED THROUGHOUT THE ENTIRE NETWORK FOR SERVICE, FEEDER, BRANCH AND CONTROL CONDUCTORS. EACH PHASE SHALL BE AN INDEPENDENT COLOR. CONDUCTORS SHALL HAVE FACTORY IMPREGNATED COLOR THROUGHOUT THEIR ENTIRE LENGTH.
7. ALL FUSED CONNECTIONS SHALL BE MADE IN THE POLE BASE OR NEAREST ABOVE GRADE JUNCTION BOX FOR UNDERPASS INSTALLATIONS. SPLICES IN INGROUND JUNCTION BOXES OR PULL BOXES SHALL NOT BE FUSED.
8. ALL CONDUITS SHALL BE BONDED IN A CONTINOUS RUN FROM THE SOURCE BY A COPPER GROUNDING CONDUCTOR WITH SIZE AS NOTED ON PLANS. 10 FEET OF ADDITIONAL SLACK SHALL FOR EACH GROUND WIRE IN EACH JUNCTION WELL SHALL BE PROVIDED AND NEATLY COILED.
9. ALL STATION, OFFSET AND DIMENSION INFORMATION SHOWN FOR PROPOSED LIGHTING STANDARDS IS TO THE CENTER OF THE PROPOSED POLE BASE.
10. ALL PROPOSED ROADWAY LIGHTING CONDUITS (SERVICE RUNS) SHALL BE RIGID POLYVINYL CHLORIDE SCHEDULE 80 WHEN INSTALLED BY TRENCHING OR OPEN CUT AND SDR-13.5 HDPE WHEN INSTALLED BY BORING, UNLESS OTHERWISE NOTED ON PLANS. ALL CONDUITS EMBEDDED WITHIN STRUCTURES SHALL BE RIGID POLYVINYL CHLORIDE, SCHEDULE 80, UNLESS OTHERWISE NOTED. CONDUITS MOUNTED TO STRUCTURES SHALL BE 1" DIAMETER RIGID GALVANIZED STEEL CONDUIT, UNLESS OTHERWISE NOTED.
11. ALL PROPOSED LIGHTING STANDARDS ON FOUNDATIONS IN EARTH SHALL BE INSTALLED WITH BREAKAWAY TRANSFORMER BASES WHETHER PROTECTED BY TRAFFIC BARRIER OR UNPROTECTED. PROPOSED LIGHTING STANDARDS MOUNTED TO STRUCTURES SHALL NOT HAVE BREAKAWAY TRANSFORMER BASES.
12. ALL PROPOSED LIGHTING STANDARDS INSTALLED IN GROUND SHALL BE INSTALLED ON TYPE 6 POLE BASES.
13. (1) 3/4" DIAMETER BY 20' LONG GROUND ROD SHALL BE INSTALLED AT EACH LIGHTING STANDARD POLE BASE. (1) 3/4" DIAMETER BY 10' LONG GROUND ROD SHALL BE INSTALLED AT EACH JUNCTION WELL, ELECTRICAL SERVICE PEDESTAL AND WITHIN THE LIGHTING CONTROL CENTER. GROUND RODS SHALL BE SEPARATED BY A MINUMUM OF 6 FEET.
14. IF ANY UTILITY IS DAMAGED THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND THE OWNER OF THE UTILITY IMMEDIATELY. ANY DAMAGE TO THE UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE UNDER THE DIRECTION OF THE UTLITY OWNER. UNDER NO CIRCUMSTANCE SHALL THE CONTRACTOR BACKFILL AN EXCAVATION OF AN IMPACTED UTILITY WITHOUT PERMISSION FROM THE UTILITY OWNER.
15. ALL JUNCTION WELL LIDS AND FRAMES SHALL BE BONDED TO THE GROUND WIRE PRESENT IN EACH JUNCTION WELL.
16. PHOTOELECTRIC CONTROL FOR ALL PROPOSED LUMINAIRES SHALL BE AT THE PROPOSED LIGHTING CONTROL AND DISTRIBUTION ENCLOSURES.
17. THE PROPOSED DELDOT LIGHTING STANDARDS SHALL BE 160W LED WITH TYPE IV HORIZONTAL DISTRIBUTION AND COBRA-HEAD STYLE FIXTURE WITH CUT-OFF OPTICS MOUNTED WITH 0 DEGREE TILT ANGLE. LUMINAIRES SHALL BE LUMEC (FORMERLY PHILIPS) ROADFOCUS 160W48LED3K PER SUSSEX COUNTY SOLE SOURCE ITEMS.

PREPARED BY

WRA Whitman, Requardt and Associates, LLP
Engineers • Architects • Environmental Planners Est. 1915

Sean Dalina 8/22/2024
THIS SEAL APPLIES TO THIS SHEET ONLY. DATE

SEAN MICHAEL DALINA — LICENSE — No. 29000 — DELAWARE PROFESSIONAL ENGINEER
SEAL

CONCURRENCE FOR INSTALLATION

8/23/2024
CHIEF OF TRAFFIC ENGINEERING DATE

ADDENDA / REVISIONS	

SCALE 0 30 60 90 FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	T201609601
COUNTY	SUSSEX
BRIDGE NO.	N/A
DESIGNED BY:	S. DALINA
CHECKED BY:	D. CARSON

LIGHTING PLAN

SECTION	WRA
SHEET NO.	148

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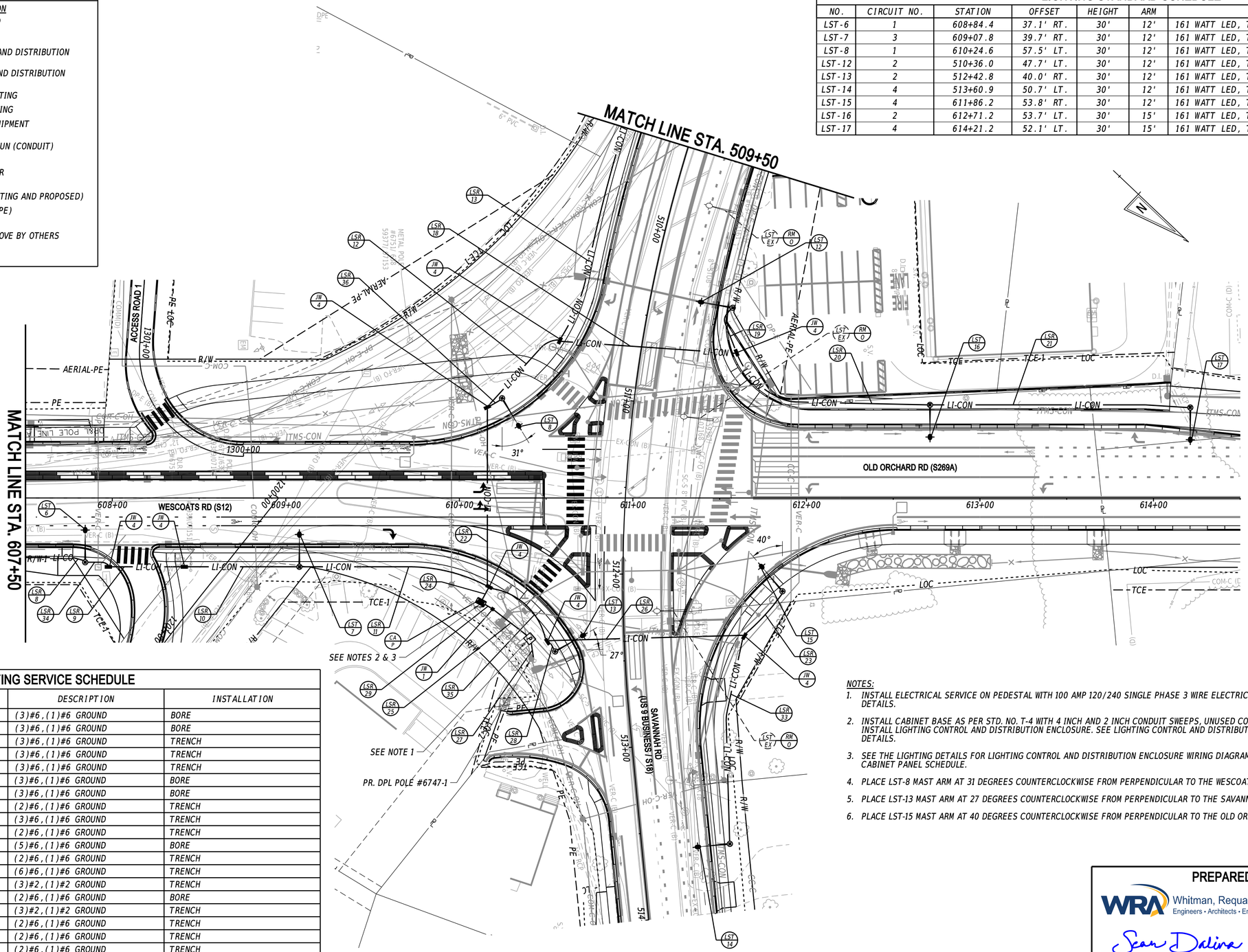
LIGHTING SYMBOL LEGEND

SYMBOL		DESCRIPTION
	–	PROPOSED LIGHTING STANDARD
	–	EXISTING LIGHTING STANDARD
CA Y	–	PROPOSED LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE AND IDENTIFIER
EXIST CA X	–	EXISTING LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE AND IDENTIFIER
	–	PROPOSED JUNCTION WELL LIGHTING
J.W.	–	EXISTING JUNCTION WELL LIGHTING
P P	–	ELECTRIC UTILITY SERVICE EQUIPMENT (EXISTING AND PROPOSED)
— LI-CON —	–	PROPOSED LIGHTING SERVICE RUN (CONDUIT)
— EX-CON —	–	EXISTING SERVICE RUN
LST X · LST X	–	LIGHTING STANDARD IDENTIFIER (EXISTING AND PROPOSED)
LSR X · LSR X	–	SERVICE RUN IDENTIFIER (EXISTING AND PROPOSED)
JW X · JW X	–	JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
RM C · RM D	–	REMOVE BY CONTRACTOR / REMOVE BY OTHERS
AB	–	ABANDON BY CONTRACTOR

LIGHTING STANDARD SCHEDULE

NO.	CIRCUIT NO.	STATION	OFFSET	HEIGHT	ARM	LIGHT STANDARD
LST-6	1	608+84.4	37.1' RT.	30'	12'	161 WATT LED, TYPE 4
LST-7	3	609+07.8	39.7' RT.	30'	12'	161 WATT LED, TYPE 4
LST-8	1	610+24.6	57.5' LT.	30'	12'	161 WATT LED, TYPE 4
LST-12	2	510+36.0	47.7' LT.	30'	12'	161 WATT LED, TYPE 4
LST-13	2	512+42.8	40.0' RT.	30'	12'	161 WATT LED, TYPE 4
LST-14	4	513+60.9	50.7' LT.	30'	12'	161 WATT LED, TYPE 4
LST-15	4	611+86.2	53.8' RT.	30'	12'	161 WATT LED, TYPE 4
LST-16	2	612+71.2	53.7' LT.	30'	15'	161 WATT LED, TYPE 4
LST-17	4	614+21.2	52.1' LT.	30'	15'	161 WATT LED, TYPE 4



LIGHTING SERVICE SCHEDULE

SERVICE RUN	# OF CONDUITS	SIZE	DISTANCE (L.F.)	DESCRIPTION	INSTALLATION
8	1	3.0"	142*	(3)#6,(1)#6 GROUND	BORE
9	1	4.0"	44	(3)#6,(1)#6 GROUND	BORE
10	1	3.0"	67	(3)#6,(1)#6 GROUND	TRENCH
11	1	3.0"	112	(3)#6,(1)#6 GROUND	TRENCH
12	1	3.0"	56	(3)#6,(1)#6 GROUND	TRENCH
13	1	4.0"	214*	(3)#6,(1)#6 GROUND	BORE
18	1	4.0"	102	(3)#6,(1)#6 GROUND	BORE
19	1	3.0"	29	(2)#6,(1)#6 GROUND	TRENCH
20	1	3.0"	125	(3)#6,(1)#6 GROUND	TRENCH
21	1	3.0"	150	(2)#6,(1)#6 GROUND	TRENCH
22	1	4.0"	104	(5)#6,(1)#6 GROUND	BORE
23	1	3.0"	34	(2)#6,(1)#6 GROUND	TRENCH
24	4	4.0"	11	(6)#6,(1)#6 GROUND	TRENCH
25	1	2.0"	28**	(3)#2,(1)#2 GROUND	TRENCH
26	1	4.0"	114	(2)#6,(1)#6 GROUND	BORE
27	1	2.0"	15**	(3)#2,(1)#2 GROUND	TRENCH
28	1	3.0"	8	(2)#6,(1)#6 GROUND	TRENCH
29	1	2.0"	8**	(2)#6,(1)#6 GROUND	TRENCH
33	1	3.0"	121	(2)#6,(1)#6 GROUND	TRENCH
34	1	3.0"	14	(3)#6,(1)#6 GROUND	TRENCH
35	1	3.0"	49	(3)#6,(1)#6 GROUND	TRENCH
36	1	3.0"	10	(2)#6,(1)#6 GROUND	TRENCH

* DISTANCE CONTINUES ON ADJACENT PLAN SHEET
** RIGID GALVANIZED STEEL CONDUIT

NOTES:
1. INSTALL ELECTRICAL SERVICE ON PEDESTAL WITH 100 AMP 120/240 SINGLE PHASE 3 WIRE ELECTRICAL SERVICE PER DETAIL ON THE LIGHTING DETAILS.
2. INSTALL CABINET BASE AS PER STD. NO. T-4 WITH 4 INCH AND 2 INCH CONDUIT SWEEPS, UNUSED CONDUIT SWEEPS SHALL BE CAPPED. INSTALL LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE. SEE LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE DETAILS ON THE LIGHTING DETAILS.
3. SEE THE LIGHTING DETAILS FOR LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE WIRING DIAGRAM. SEE THE LIGHTING DETAILS FOR CABINET PANEL SCHEDULE.
4. PLACE LST-8 MAST ARM AT 31 DEGREES COUNTERCLOCKWISE FROM PERPENDICULAR TO THE WESCOATS ROAD CONSTRUCTION BASELINE.
5. PLACE LST-13 MAST ARM AT 27 DEGREES COUNTERCLOCKWISE FROM PERPENDICULAR TO THE SAVANNAH ROAD CONSTRUCTION BASELINE.
6. PLACE LST-15 MAST ARM AT 40 DEGREES COUNTERCLOCKWISE FROM PERPENDICULAR TO THE OLD ORCHARD ROAD CONSTRUCTION BASELINE.

PREPARED BY

Whitman, Requardt and Associates, LLP
Engineers • Architects • Environmental Planners Est. 1915

Sean Dalina — 8/22/2024
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SEAN MICHAEL DALINA — LICENSE — No. 29000 — DELAWARE — PROFESSIONAL ENGINEER
SEAL

CONCURRENCE FOR INSTALLATION

CHIEF OF TRAFFIC ENGINEERING — 8/23/2024 DATE

ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	LIGHTING PLAN	SECTION WRA
				COUNTY SUSSEX	DESIGNED BY: S. DALINA		SHEET NO. 149
					CHECKED BY: D. CARSON		

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LIGHTING SYMBOL LEGEND

SYMBOL	DESCRIPTION
	– PROPOSED LIGHTING STANDARD
	– EXISTING LIGHTING STANDARD
CA Y	– PROPOSED LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE AND IDENTIFIER
CA X	– EXISTING LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE AND IDENTIFIER
	– PROPOSED JUNCTION WELL LIGHTING
J.W.	– EXISTING JUNCTION WELL LIGHTING
P P	– ELECTRIC UTILITY SERVICE EQUIPMENT (EXISTING AND PROPOSED)
— LI-CON —	– PROPOSED LIGHTING SERVICE RUN (CONDUIT)
— EX-CON —	– EXISTING SERVICE RUN
LST X - LST Y	– LIGHTING STANDARD IDENTIFIER (EXISTING AND PROPOSED)
LSR X - LSR Y	– SERVICE RUN IDENTIFIER (EXISTING AND PROPOSED)
JW X JB #	– JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
RM C RM D	– REMOVE BY CONTRACTOR / REMOVE BY OTHERS
AB	– ABANDON BY CONTRACTOR

LIGHTING STANDARD SCHEDULE

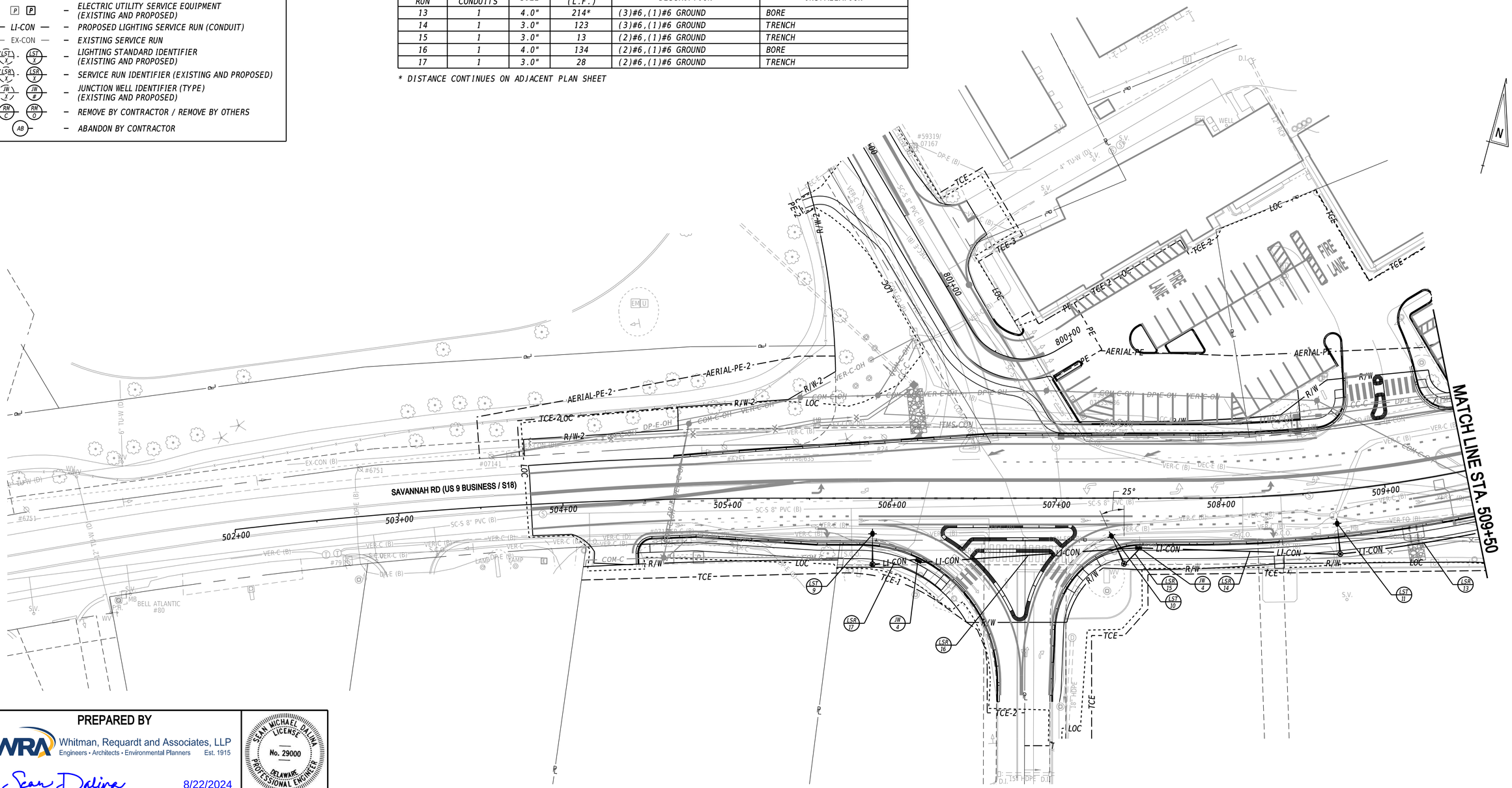
NO.	CIRCUIT NO.	STATION	OFFSET	HEIGHT	ARM	LIGHT STANDARD
LST-9	4	505+88.3	40.2' RT.	30'	15'	161 WATT LED, TYPE 4
LST-10	2	507+41.2	39.9' RT.	30'	12'	161 WATT LED, TYPE 4
LST-11	4	508+68.8	38.7' RT.	30'	12'	161 WATT LED, TYPE 4

LIGHTING SERVICE SCHEDULE

SERVICE RUN	# OF CONDUITS	SIZE	DISTANCE (L.F.)	DESCRIPTION	INSTALLATION
13	1	4.0"	214*	(3)#6,(1)#6 GROUND	BORE
14	1	3.0"	123	(3)#6,(1)#6 GROUND	TRENCH
15	1	3.0"	13	(2)#6,(1)#6 GROUND	TRENCH
16	1	4.0"	134	(2)#6,(1)#6 GROUND	BORE
17	1	3.0"	28	(2)#6,(1)#6 GROUND	TRENCH

* DISTANCE CONTINUES ON ADJACENT PLAN SHEET

NOTE:
1. PLACE LST-10 MAST ARM AT 25 DEGREES COUNTERCLOCKWISE FROM THE PERPENDICULAR TO THE SAVANNAH ROAD CONSTRUCTION BASELINE.



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ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY:	S. DALINA
COUNTY	CHECKED BY:	D. CARSON
SUSSEX		

LIGHTING PLAN

SECTION: WRA
SHEET NO.: 150

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LIGHTING SYMBOL LEGEND

SYMBOL		DESCRIPTION
	–	PROPOSED LIGHTING STANDARD
	–	EXISTING LIGHTING STANDARD
CA Y	–	PROPOSED LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE AND IDENTIFIER
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— EX-CON —	–	EXISTING SERVICE RUN
LST X - LST Y	–	LIGHTING STANDARD IDENTIFIER (EXISTING AND PROPOSED)
LSR X - LSR Y	–	SERVICE RUN IDENTIFIER (EXISTING AND PROPOSED)
JW X - JB #	–	JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)
RM C - RM D	–	REMOVE BY CONTRACTOR / REMOVE BY OTHERS
AB	–	ABANDON BY CONTRACTOR

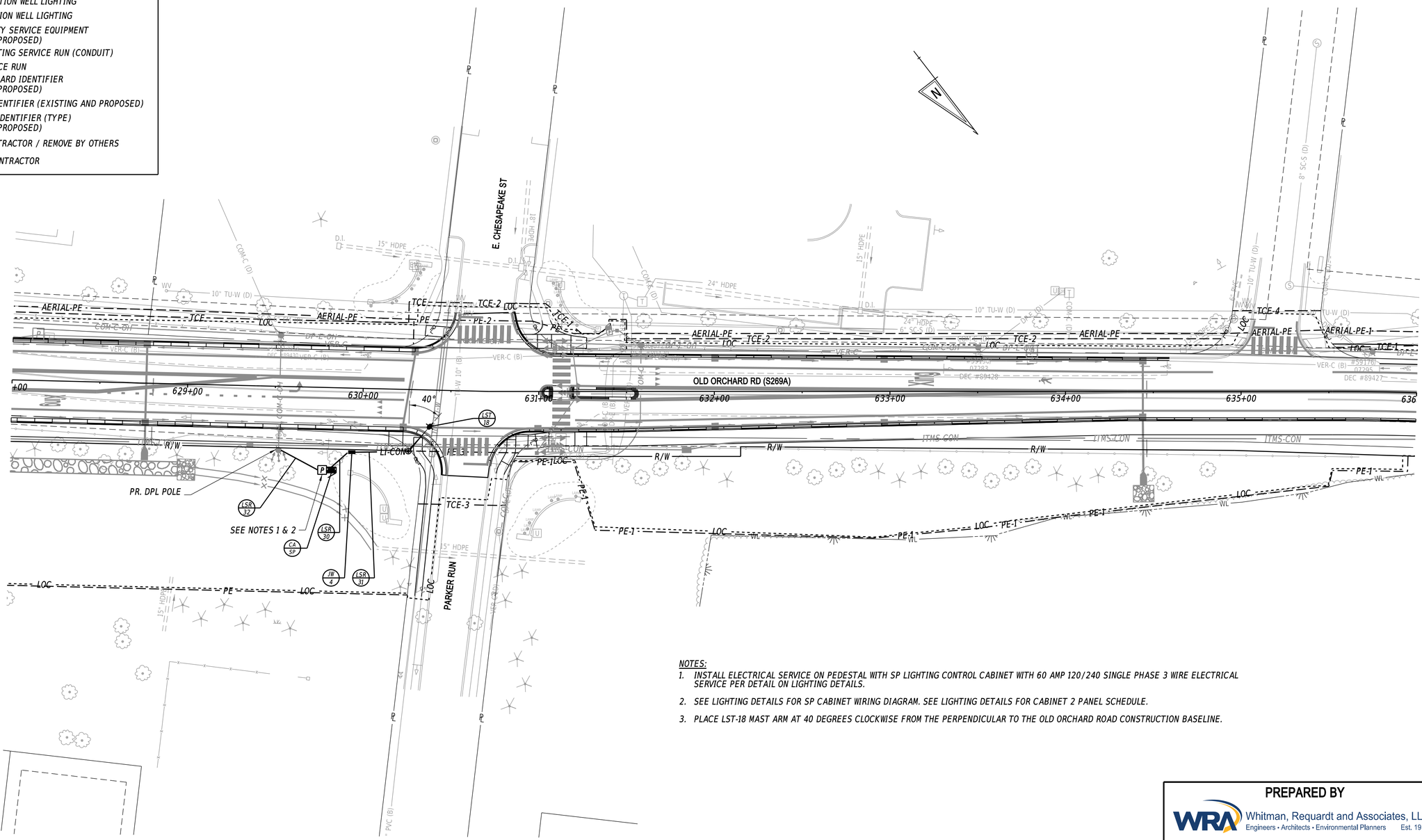
LIGHTING SERVICE SCHEDULE

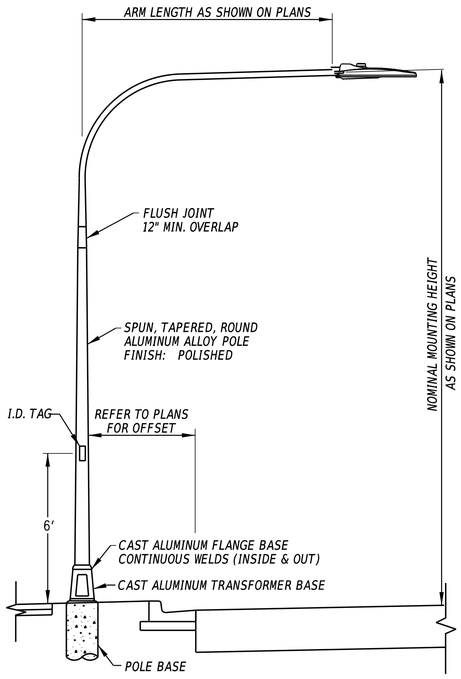
SERVICE RUN	# OF CONDUITS	SIZE	DISTANCE (L.F.)	DESCRIPTION	INSTALLATION
30	2	3.0"**	18	(2)#6,(1)#6 GROUND	TRENCH
31	1	3.0"	33	(2)#6,(1)#6 GROUND	TRENCH
32	1	2.0"**	28	(3)#6,(1)#6 GROUND	TRENCH

** RIGID GALVANIZED STEEL CONDUIT

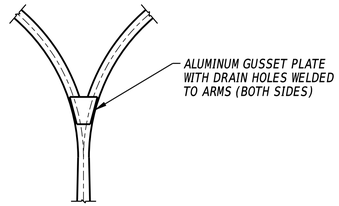
LIGHTING STANDARD SCHEDULE

NO.	CIRCUIT NO.	STATION	OFFSET	HEIGHT	ARM	LIGHT STANDARD
LST-18	1	630+26.5	35.2' RT.	30'	15'	161 WATT LED, TYPE 4

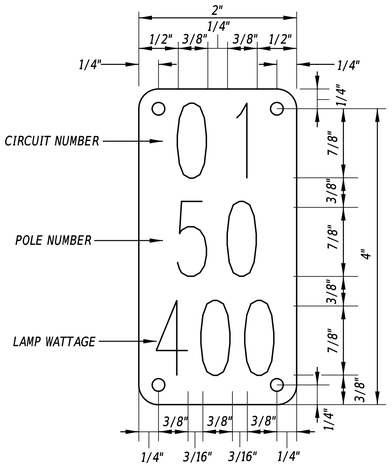




ALUMINUM LIGHTING STANDARD WITH SINGLE DAVIT ARM



DOUBLE DAVIT ARM DETAIL

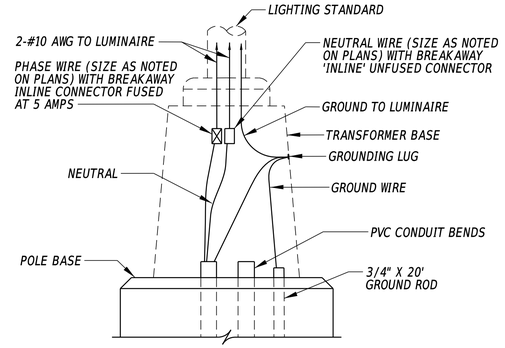


TYPICAL POLE IDENTIFICATION TAG

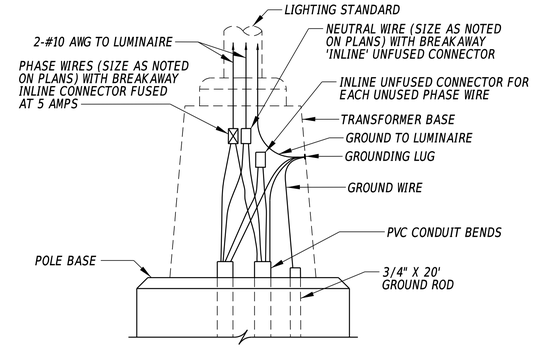
NOTES:

1. *IDENTIFICATION TAG SHALL BE INSTALLED ON THE SIDE OF THE POLE FACING AWAY FROM TRAFFIC.*
2. *POLE ARMS SHALL BE ALIGNED PERPENDICULAR TO THE EDGE OF TRAVELED WAY, UNLESS OTHERWISE DIRECTED.*
3. *THE OUTER SLEEVE MEMBER AT THE LIGHT STANDARD FLUSH JOINT SHALL BE FURNISHED WITH PREDRILLED THROUGH HOLES AT 90 DEGREES APART (MIN. 6" DISTANCE BETWEEN HOLES). THE INNER MEMBER SHALL BE DRILLED IN THE FIELD AFTER THE POLE SHAFT IS INSTALLED AND THE DAVIT ARM IS ALIGNED.*
4. *LAMP TYPE, WATTAGE AND HORIZONTAL DISTRIBUTION TYPE SHALL BE AS SPECIFIED ON THE PLANS. ALL LUMINAIRES SHALL BE MOUNTED AT A ZERO DEGREE TILT ANGLE. PHOTOCELL AS REQUIRED PER PLANS.*
5. *LUMINAIRES SHALL HAVE CUTOFF OPTICS, AND BE LABELLED WITH AN IDENTIFICATION STICKER IN ACCORDANCE WITH NEMA CONVENTIONS.*

LIGHT STANDARDS AND LUMINAIRES

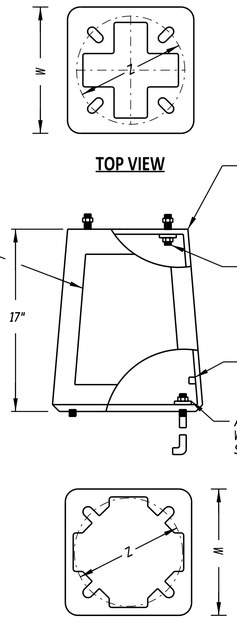


TYPICAL LUMINAIRE CONNECTION
END OF CABLE RUN
240 VOLT



TYPICAL LUMINAIRE CONNECTION
CONTINUOUS CABLE RUN
240 VOLT

WIRING SCHEMATICS IN TRANSFORMER BASE



MOUNTING HEIGHT	ARM LENGTH	MIN WIDTH 'W'	BOLT DIA.	BOLT CIRCLE 'Z'
LESS THAN 40'	LESS THAN 30'	13"	1"	13 ½"
	30'	15"	1 ¼"	15"
40'	LESS THAN OR EQUAL TO 20'	13"	1"	13 ½"

CONSTRUCTION NOTES:

1. *ALUMINUM TRANSFORMER BASE SHALL MEET 1985 AASHTO BREAKAWAY REQUIREMENTS.*
2. *BREAKAWAY TRANSFORMER BASES SHALL BE INSTALLED WITH ALL POLES, UNLESS OTHERWISE NOTED.*
3. *LIGHT STANDARDS MOUNTED TO BRIDGE/RETAINING/BARRIER WALLS DO NOT REQUIRE BREAKAWAY BASES.*
4. *OPENING OF TRANSFORMER BASE ACCESS DOOR SHALL BE INSTALLED ON THE SIDE OF THE POLE FACING AWAY FROM TRAFFIC.*
5. *PROVIDE ACCESSIBLE GROUNDING NUT OR LUG INSIDE TRANSFORMER BASE.*
6. *PROVIDE WASHERS, SHIMS AND BOLTS AS REQUIRED BY TRANSFORMER BASE MANUFACTURER.*
7. *THE CONTACT AREA BETWEEN THE TRANSFORMER BASE AND CONCRETE FOUNDATION SHALL BE SHOP COATED WITH COAL TAR EPOXY MEETING SSPC-PAINT 16 SPECIFICATIONS. THE THICKNESS OF THE COATING SHALL BE BETWEEN 6 AND 8 MILS. THE COATING SHALL BE COMPLETELY DRY BEFORE INSTALLATION. THE TOP OF THE FOUNDATION SHALL NOT BE PAINTED.*
8. *TOP AND BOTTOM OF BASE MAY BE SLOTTED FOR BOLT CIRCLE. SLOT MUST ACCOMMODATE DIMENSION SHOWN.*
9. *TRANSFORMER BASE AND ASSOCIATED COMPONENTS SHALL MEET THE FOLLOWING MATERIAL REQUIREMENTS:*

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

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ADDENDA / REVISIONS		NOT TO SCALE	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT	T201609601	BRIDGE NO.	N/A	LIGHTING DETAILS	SECTION	WRA
				COUNTY	SUSSEX	DESIGNED BY:	S. DALINA		SHEET NO.	152
						CHECKED BY:	D. CARSON			

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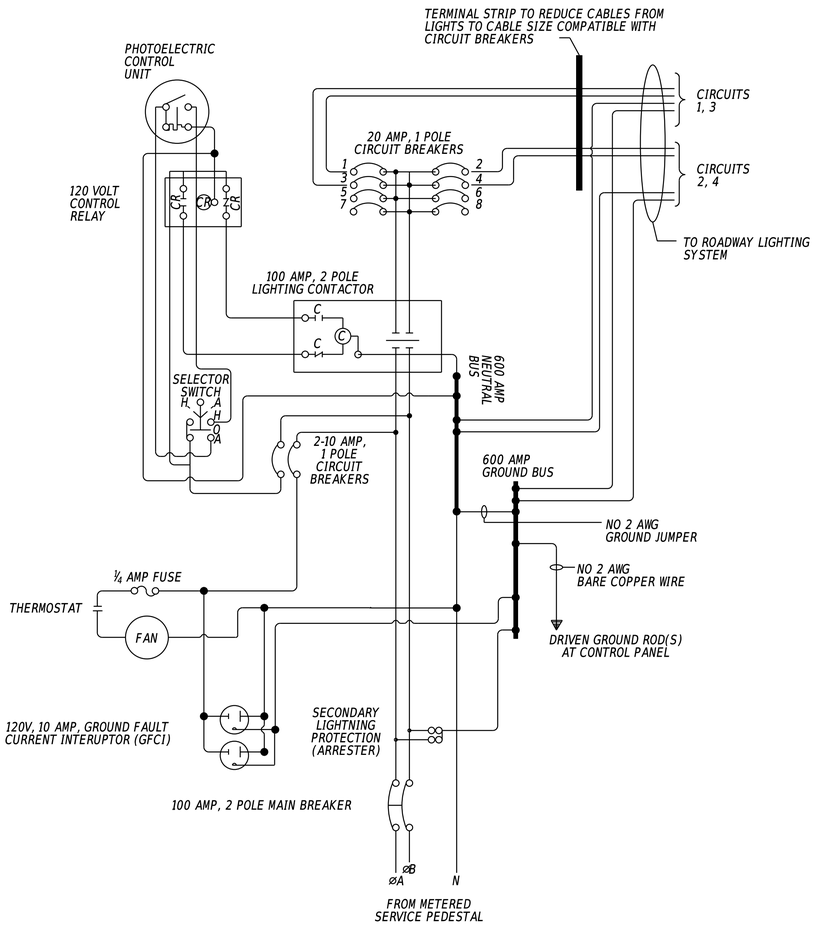
120/240 VOLT LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE WIRING DIAGRAM

SCALE: NONE



NOTES:

1. ALL WIRING FROM SERVICE FEEDS SHALL BE INSTALLED IN FLEXIBLE CONDUIT WITHIN THE LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE.
2. NO CONDUCTORS MAY ENTER OR EXIT THROUGH THE REAR OF ANY PANEL.
3. THE LIGHTING CONTACTOR SHALL BE IN A PROPERLY SIZED ENCLOSURE.
4. A CONTINUOUS GROUNDING CONDUCTOR SHALL BE INSTALLED FROM THE METER SOCKET THROUGH ALL PANELS, THEN TO THE GROUNDING ELECTRODE.
5. ALL CONDUCTORS NOT IN CONDUIT SHALL BE BUNDLED OR WRAPPED AND SECURED IN CABINET AWAY FROM SHARP EDGES.
6. ALL CABLES SHALL MEET AMPACITY REQUIREMENTS OF THE NATIONAL ELECTRIC CODE. THE MINIMUM CABLE SIZE SHALL BE NO. 12 AWG.
7. PHOTOCELL SHALL BE INSTALLED INSIDE OF THE CABINET, BEHIND A PLEXIGLASS SHIELD.
8. LIGHTING PANEL AND LIGHTING CONTACTOR SHALL BE SQUARE D.
9. ULTIMATE CABINET WIRING AND CONFIGURATION TO BE DETERMINED BY SOUTH DISTRICT (302-853-1300).

PANEL SCHEDULE - SAVANNAH ROAD CABINET

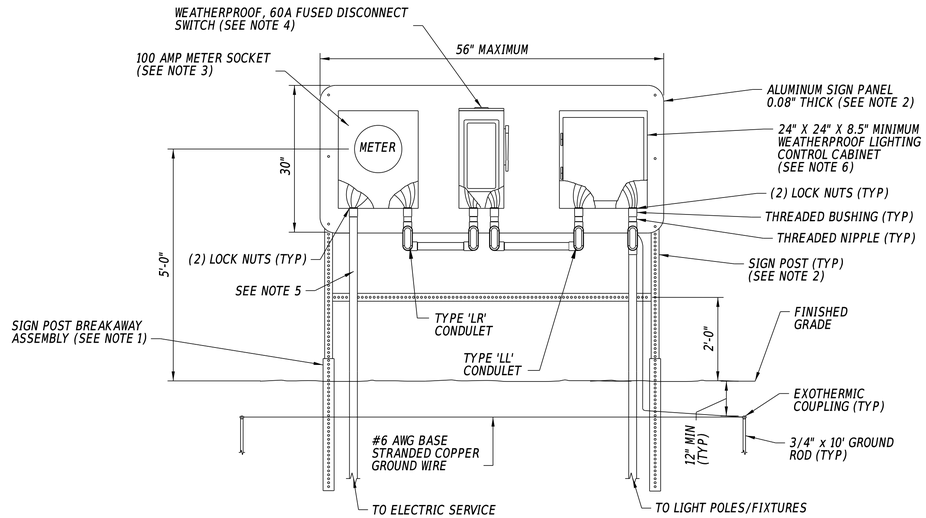
AIC RATING - 22 KAIC
SOLID NEUTRAL
ENCLOSURE: BASE MOUNTED CABINET
600 AMP BUS
120/240 VOLTS
SURFACE MOUNTED
100 AMP MAIN
SINGLE PHASE, 3 WIRE + GROUND
PANEL LOCATION: SEE PLANS

LOAD SERVED	CIRCUIT BREAKER			CKT. NO.	CKT. NO.	CIRCUIT BREAKER			LOAD SERVED
	FRAME	TRIP	POLE			FRAME	TRIP	POLE	
4-161W LED	100	20	1	1	2	100	20	1	4-161W LED
4-161W LED	100	20	1	3	4	100	20	1	5-161W LED
SPARE	100	20	1	5	6	100	20	1	SPARE
SPARE	100	20	1	7	8	100	20	1	SPARE

PANEL SCHEDULE - PARKER RUN CABINET

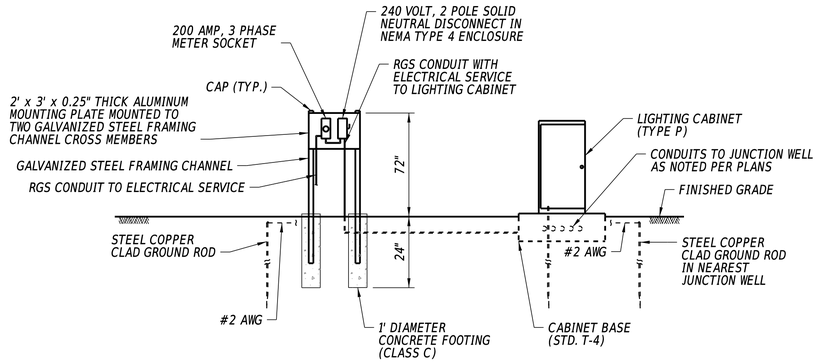
AIC RATING - 22 KAIC
SOLID NEUTRAL
ENCLOSURE: PEDESTAL MOUNTED CABINET
120/240 VOLTS
SURFACE MOUNTED
60 AMP MAIN
SINGLE PHASE, 3 WIRE + GROUND
PANEL LOCATION: SEE PLANS

LOAD SERVED	CIRCUIT BREAKER			CKT. NO.	CKT. NO.	CIRCUIT BREAKER			LOAD SERVED
	FRAME	TRIP	POLE			FRAME	TRIP	POLE	
1-161W LED	100	20	1	1	2	100	20	1	SPARE
SPARE	100	20	1	3	4	100	20	1	SPARE
SPARE	100	20	1	5	6	100	20	1	SPARE
SPARE	100	20	1	7	8	100	20	1	SPARE



ELECTRICAL SERVICE ON PEDESTAL WITH SP LIGHTING CONTROL CABINET

SCALE: NONE



ELECTRICAL SERVICE ON PEDESTAL AND LIGHTING CONTROL AND DISTRIBUTION ENCLOSURE (120/240V)

SCALE: NONE

NOTES:

1. SEE DETAIL T-15, SHEET 1, FOR SIGN POST AND BREAKAWAY ASSEMBLY DETAILS.
2. ATTACH ALUMINUM PANEL TO SIGN POSTS WITH (6) 5/16" x2½" LONG GRADE 5 BOLTS, FLAT WASHERS, AND NYLON LOCK NUTS, 3 ON EACH SIDE.
3. MOUNT METER SOCKET TO ALUMINUM PANEL WIH (4) 5/16" x¾" STAINLESS STEEL BOLTS AND NYLON LOCK NUTS.
4. MOUNT DISCONNECT SWITCH TO ALUMINUM PANEL WITH (4) 5/16" x¾" STAINLESS STEEL BOLTS AND NYLON LOCK NUTS.
5. ALL CONDUIT, CONDULETS AND OTHER ASSOCIATED PIECES SHALL BE 2" GALVANIZED UNLESS SPECIFIED DIFFERENTLY ON THE PLANS OR BY LOCAL UTILITY COMPANY.
6. WEATHERPROOF LIGHTING CONTROL CABINET SHALL CONTAIN LIGHTING CONTACTOR AND APPROPRIATE OVERCURRENT PROTECTION FOR LIGHTING CIRCUIT(S) BEING USED.
7. THE DETAIL SHALL ONLY BE USED WHEN THIS SETUP IS OUTSIDE THE CLEARZONE.
8. USE OF THESE DETAILS ARE MEANT FOR SMALLER INTERSECTION SYSTEMS, OR ROADWAY LIGHTING INSTALLATIONS WITH NO MORE THAN 12 LIGHT FIXTURES. FOR LARGER LIGHTING INSTALLATIONS, SEE DETAIL T-17.
9. PHOTOCELL SHALL BE INSTALLED INSIDE OF THE CABINET, BEHIND A PLEXIGLASS SHIELD.
10. LIGHTING PANEL AND LIGHTING CONTACTOR SHALL BE SQUARE D.
11. ULTIMATE CABINET WIRING AND CONFIGURATION TO BE DETERMINED BY SOUTH DISTRICT (302-853-1300).

PREPARED BY

Whitman, Requardt and Associates, LLP
Engineers • Architects • Environmental Planners Est. 1915

Sean Dalina 8/22/2024
THIS SEAL APPLIES TO THIS SHEET ONLY. DATE

SEAN MICHAEL DALINA LICENSE No. 29000 DELAWARE PROFESSIONAL ENGINEER
SEAL

CONCURRENCE FOR INSTALLATION

CHIEF OF TRAFFIC ENGINEERING 8/23/2024
DATE

ADDENDA / REVISIONS	

NOT TO SCALE

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

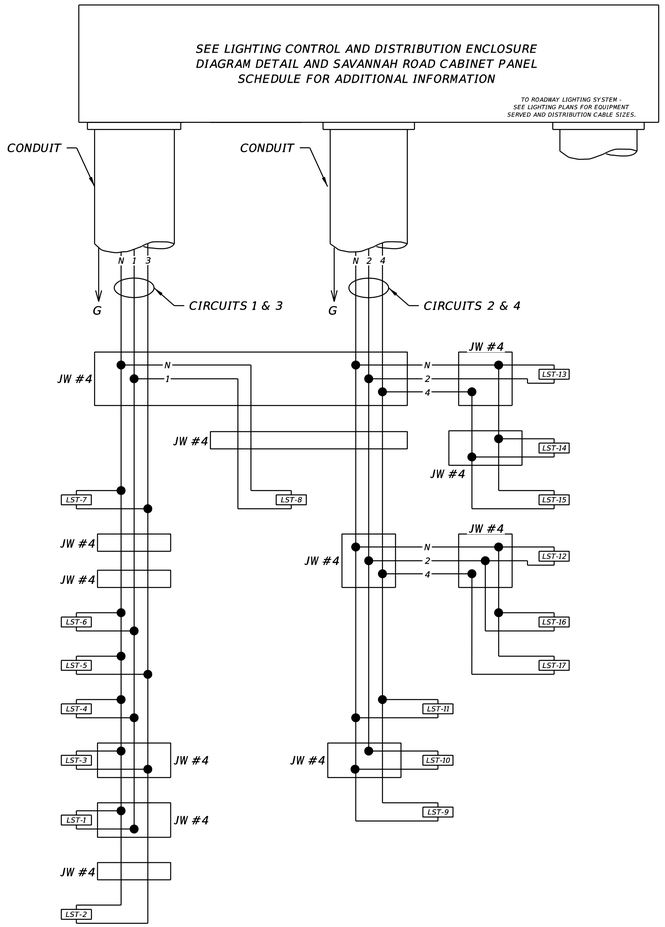
CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY:	S. DALINA
COUNTY	CHECKED BY:	D. CARSON
SUSSEX		

LIGHTING DETAILS

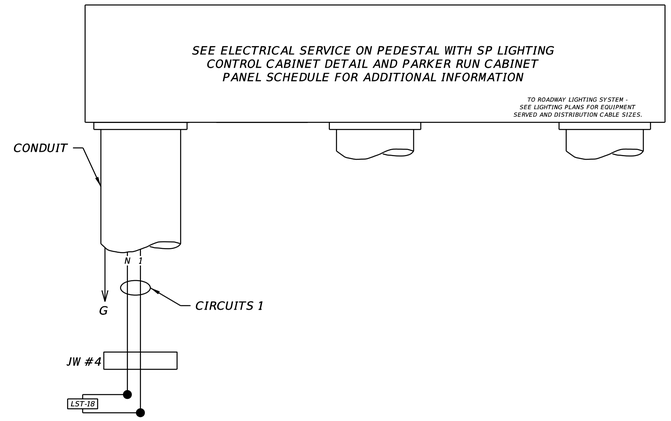
SECTION
WRA
SHEET NO.
153

N:\21149-003\CADD\LIGHTING DTLS.dgn
8/22/2024 9:59:38 AM

SAVANNAH ROAD CABINET
120/240 V
POWER SOURCE: PROPOSED DPL POLE #6747-1



PARKER RUN CABINET
120/240 V
POWER SOURCE: PROPOSED DPL POLE



PREPARED BY

Whitman, Requardt and Associates, LLP
Engineers • Architects • Environmental Planners Est. 1915

Sean Dalina — 8/22/2024
THIS SEAL APPLIES TO THIS SHEET ONLY. DATE

SEAN MICHAEL DALINA — LICENSE — No. 29000 — DELAWARE — PROFESSIONAL ENGINEER
SEAL

CONCURRENCE FOR INSTALLATION

CHIEF OF TRAFFIC ENGINEERING — 8/23/2024 DATE

ADDENDA / REVISIONS		NOT TO SCALE	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	LIGHTING DETAILS	SECTION WRA
				COUNTY SUSSEX	DESIGNED BY: S. DALINA		SHEET NO. 154
					CHECKED BY: D. CARSON		

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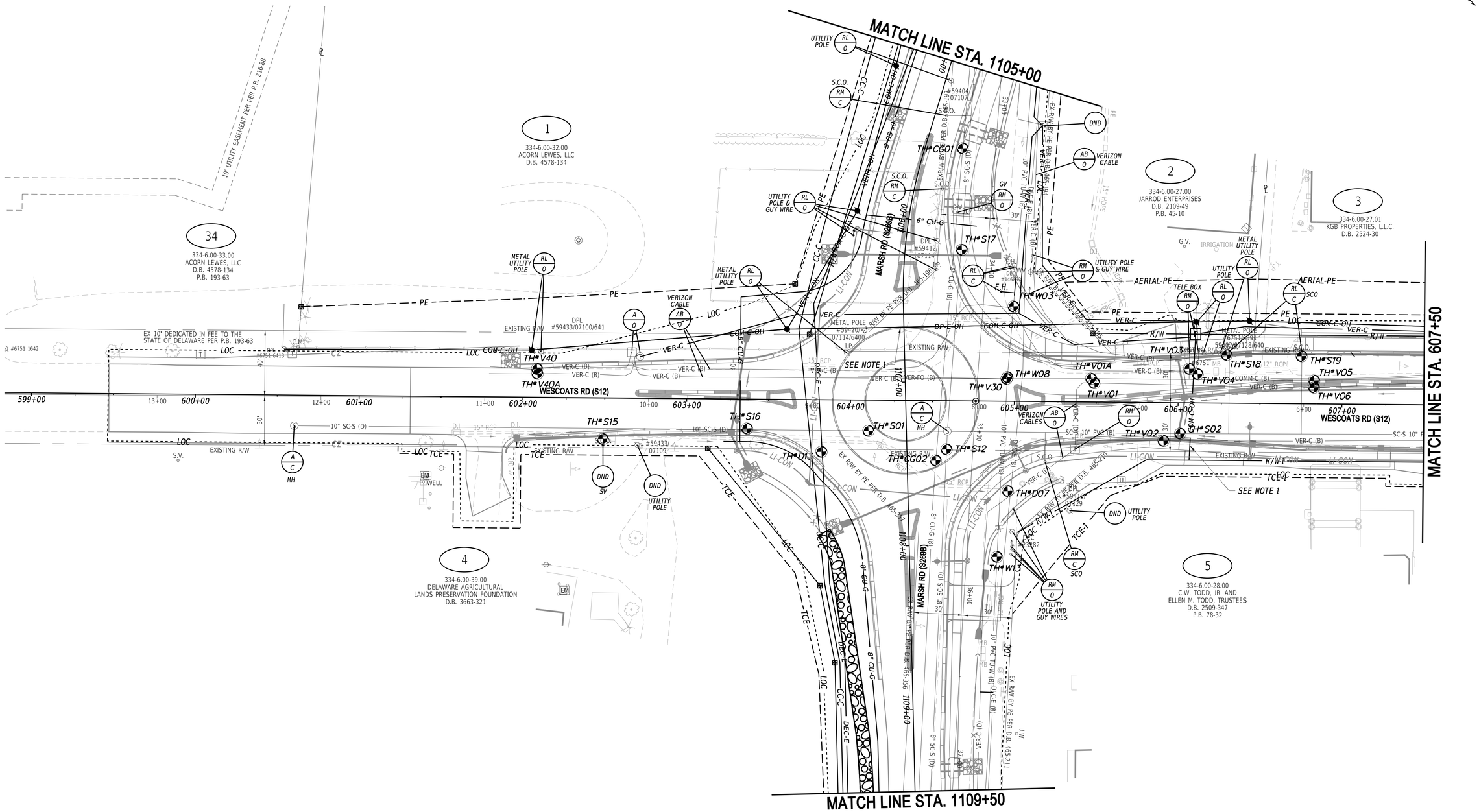
MATCH LINE STA. 1105+00
MATCH LINE STA. 1109+50
MATCH LINE STA. 607+50
1
334-6.00-32.00
ACORN LEWES, LLC
D.B. 4578-134
2
334-6.00-27.00
JARROD ENTERPRISES
D.B. 2109-49
P.B. 45-10
3
334-6.00-27.01
KGB PROPERTIES, L.L.C.
D.B. 2524-30
4
334-6.00-39.00
DELAWARE AGRICULTURAL
LANDS PRESERVATION FOUNDATION
D.B. 3663-321
5
334-6.00-28.00
C.W. TODD, JR. AND
ELLEN M. TODD, TRUSTEES
D.B. 2509-347
P.B. 78-32
34
334-6.00-33.00
ACORN LEWES, LLC
D.B. 4578-134
P.B. 193-63
WESCOATS RD (S12)
MARSH RD (S268B)
TH•V40
TH•V40A
TH•S15
TH•S16
TH•S01
TH•CG01
TH•S17
TH•W03
TH•V30
TH•W08
TH•V01A
TH•V01
TH•V05
TH•S18
TH•S19
TH•V04
TH•V06
TH•V02
TH•S02
TH•CG02
TH•S12
TH•D13
TH•D07
TH•W13
SEE NOTE 1
10' UTILITY EASEMENT PER P.B. 216-88
EX 10' DEDICATED IN FEE TO THE STATE OF DELAWARE PER P.B. 193-63
EX R/W BY PE PER D.B. 465-194
EX R/W BY PE PER D.B. 465-221
EX R/W BY PE PER D.B. 465-336
EX R/W BY PE PER D.B. 465-220
DPL #59433/07100/641
DPL #59412/07114
DPL #59420/07114/640
DPL #59404/07107
DPL #59433/07109
DPL #59404/07129
DPL #59382
DPL #59404/07128/640
DPL #146888
METAL POLE #59420/07114/640
METAL POLE #6751/6418
METAL POLE #6751/6419
METAL POLE #6751/6420
METAL POLE #6751/6421
METAL POLE #6751/6422
METAL POLE #6751/6423
METAL POLE #6751/6424
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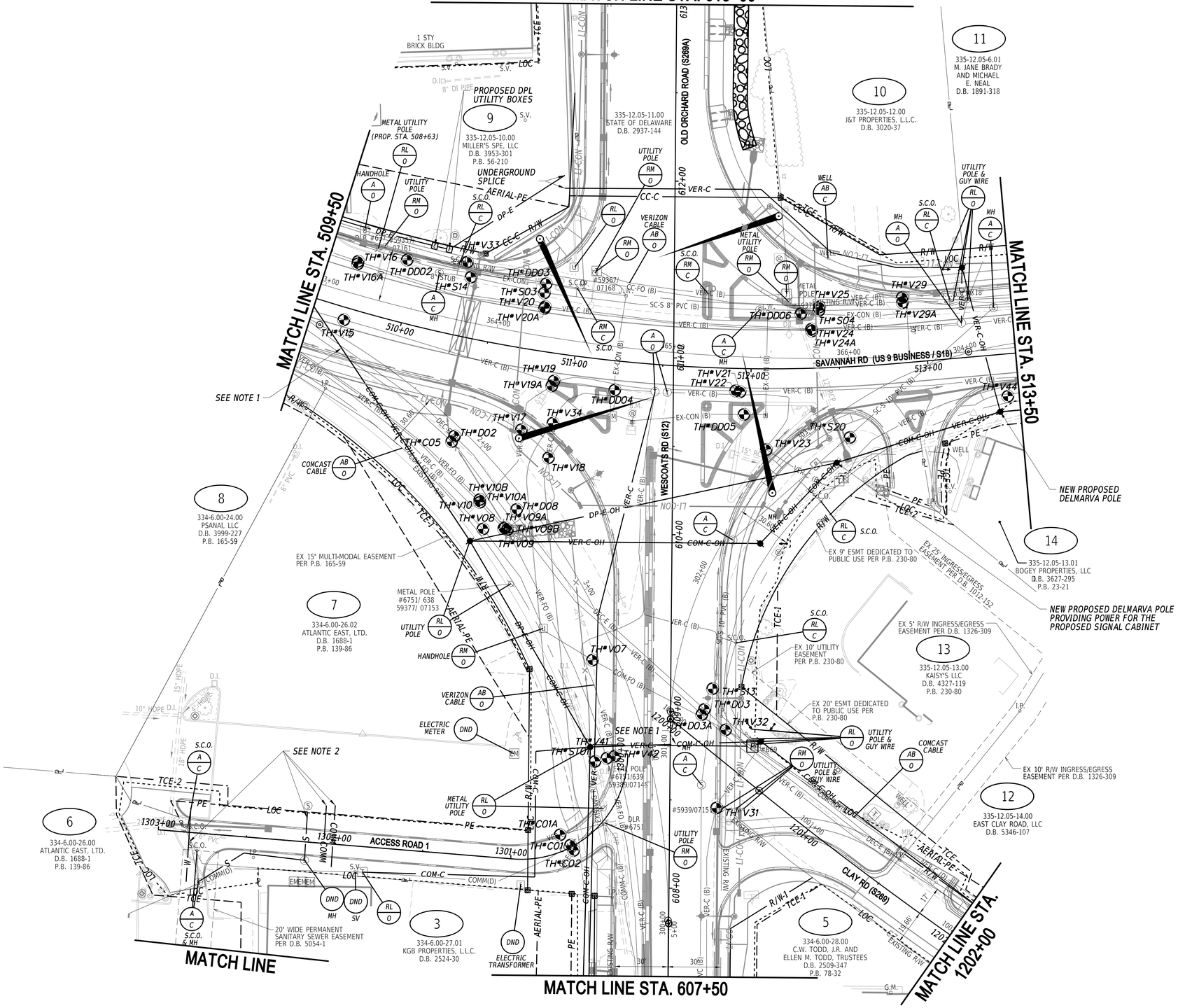
METAL POLE



NOTES:

1. *CONFIRM COMCAST HAS A PLACE ON ALL OF THE PROPOSED POLES (TRANSMISSION/DISTRIBUTION) TO ACHIEVE A MINIMUM OF 18 FEET OVER THE ROADWAY.*
2. *UTILITIES PROPOSED FOR FUTURE DEVELOPMENT. UTILITY DESIGNATION REQUIRED PRIOR TO EXCAVATION.*

ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	UTILITY RELOCATION PLANS	UT-02
				COUNTY SUSSEX	DESIGNED BY: M. WELLBORN		SECTION WRA
					CHECKED BY: V. KOWALSKI		SHEET NO. 156

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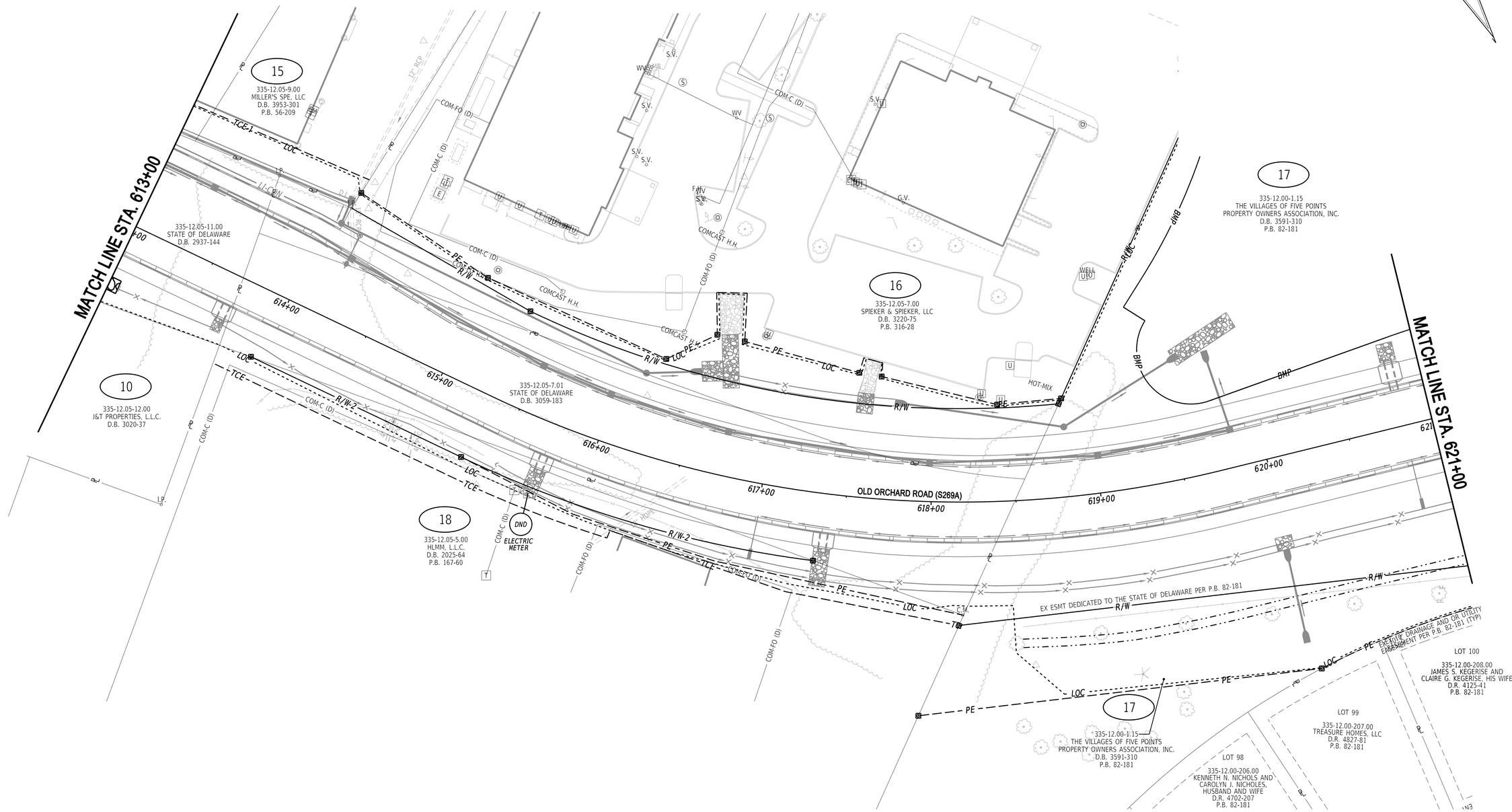

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8/29/2024 3:41:02 PM

ADDENDA / REVISIONS	

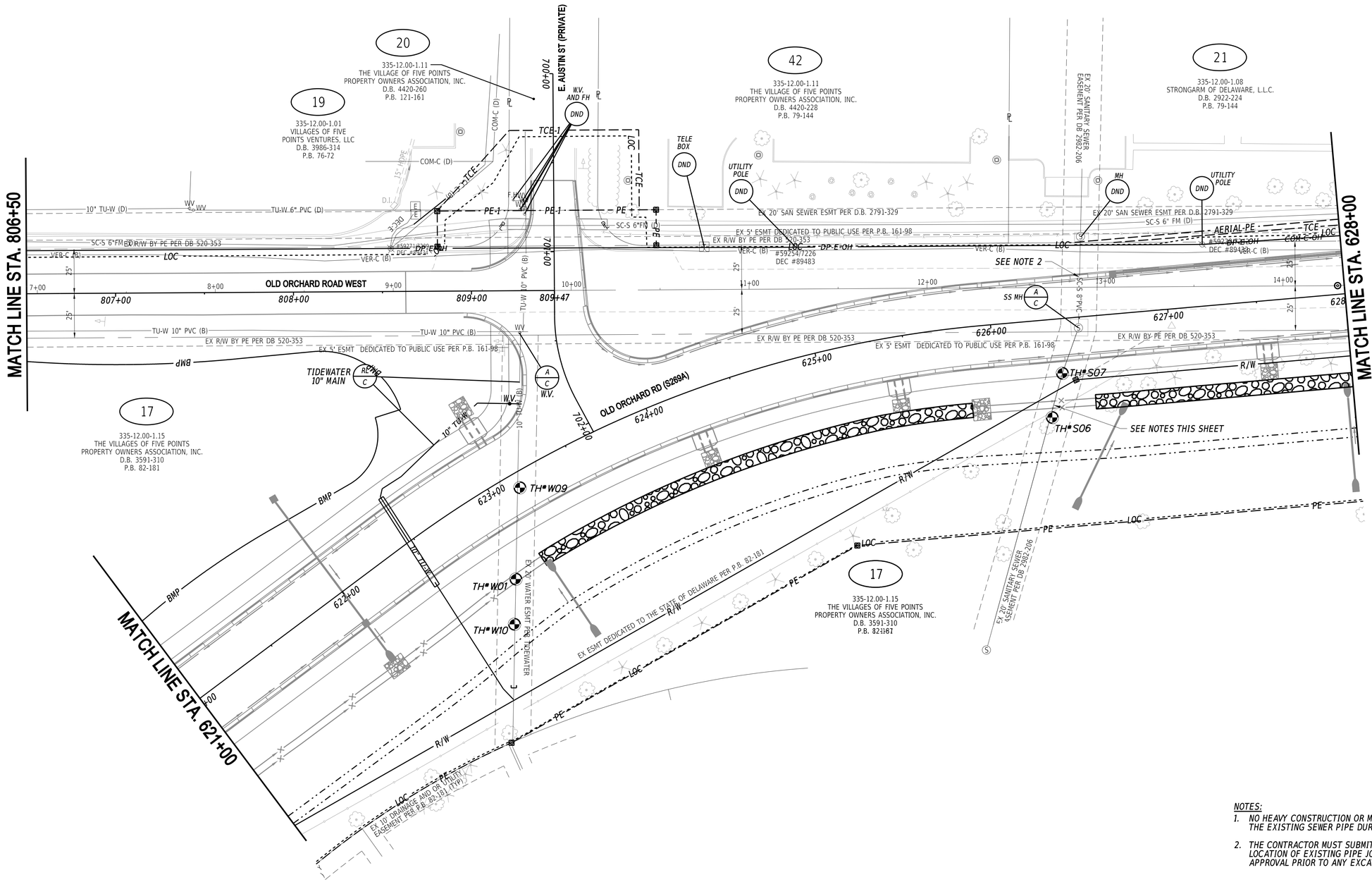
SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY:	M. WELLBORN
COUNTY	CHECKED BY:	V. KOWALSKI
SUSSEX		

UTILITY RELOCATION PLANS

UT-03
SECTION
WRA
SHEET NO.
157

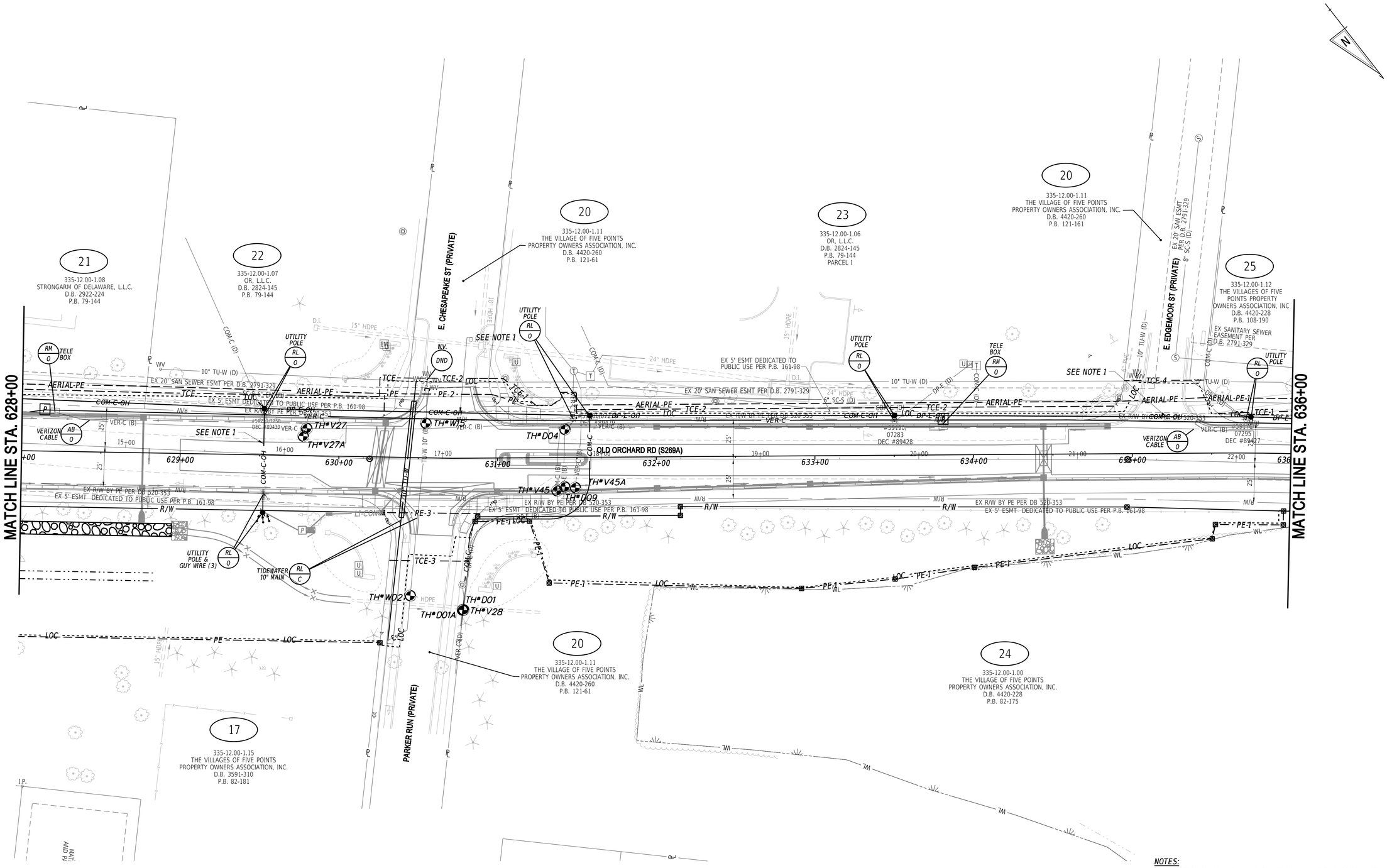


NOTES:

1. *NO HEAVY CONSTRUCTION OR MATERIALS SHALL BE PERMITTED WITHIN 5 FT OF THE EXISTING SEWER PIPE DURING DITCH GRADING OPERATIONS.*
2. *THE CONTRACTOR MUST SUBMIT SUPPORTIVE EXCAVATION DETAILS, INCLUDING LOCATION OF EXISTING PIPE JOINT WITHIN TRENCH LIMITS, TO SUSSEX COUNTY FOR APPROVAL PRIOR TO ANY EXCAVATION BEING PERFORMED.*

N:\2314\403\CAD\UT04 ADR.dgn
8/29/2024 3:41:03 PM

ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	UTILITY RELOCATION PLANS	UT-04
				COUNTY SUSSEX	DESIGNED BY: M. WELLBORN		SECTION WRA
					CHECKED BY: V. KOWALSKI		SHEET NO. 158



NOTES:

1. *CONFIRM COMCAST HAS A PLACE ON ALL OF THE PROPOSED POLES (TRANSMISSION/DISTRIBUTION) TO ACHIEVE A MINIMUM OF 18 FEET OVER THE ROADWAY.*

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY:	M. WELLBORN
COUNTY	CHECKED BY:	V. KOWALSKI
SUSSEX		

UTILITY RELOCATION PLANS

UT-05
SECTION
WRA
SHEET NO.
159

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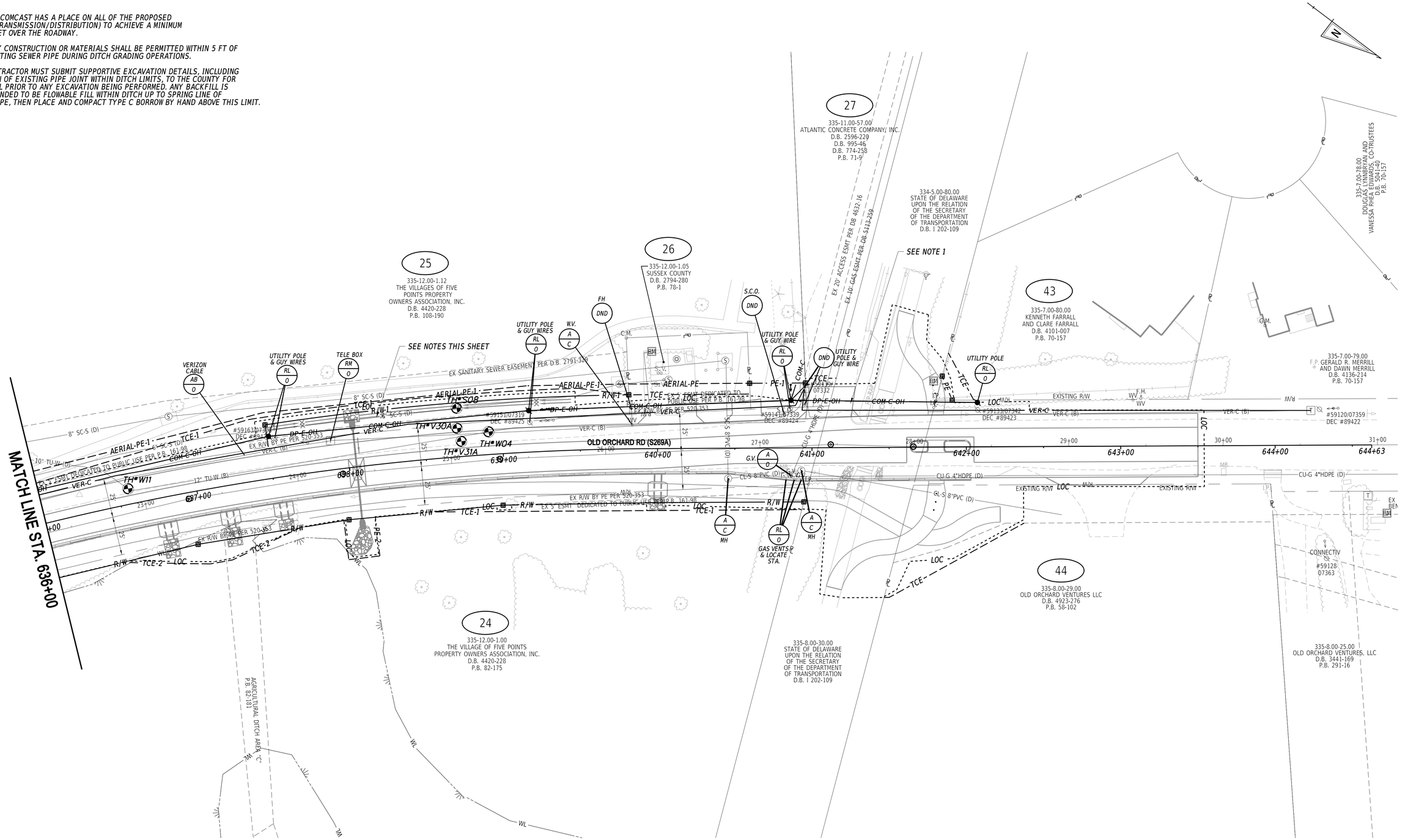
4/4/2025
10:36:41 AM

NOTES:

1. *CONFIRM COMCAST HAS A PLACE ON ALL OF THE PROPOSED POLES (TRANSMISSION/DISTRIBUTION) TO ACHIEVE A MINIMUM OF 18 FEET OVER THE ROADWAY.*
2. *NO HEAVY CONSTRUCTION OR MATERIALS SHALL BE PERMITTED WITHIN 5 FT OF THE EXISTING SEWER PIPE DURING DITCH GRADING OPERATIONS.*
3. *THE CONTRACTOR MUST SUBMIT SUPPORTIVE EXCAVATION DETAILS, INCLUDING LOCATION OF EXISTING PIPE JOINT WITHIN DITCH LIMITS, TO THE COUNTY FOR APPROVAL PRIOR TO ANY EXCAVATION BEING PERFORMED. ANY BACKFILL IS RECOMMENDED TO BE FLOWABLE FILL WITHIN DITCH UP TO SPRING LINE OF SEWER PIPE, THEN PLACE AND COMPACT TYPE C BORROW BY HAND ABOVE THIS LIMIT.*



ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	UTILITY RELOCATION PLANS	UT-06
				COUNTY SUSSEX	DESIGNED BY: M. WELLBORN		SECTION WRA
					CHECKED BY: V. KOWALSKI		SHEET NO. 160

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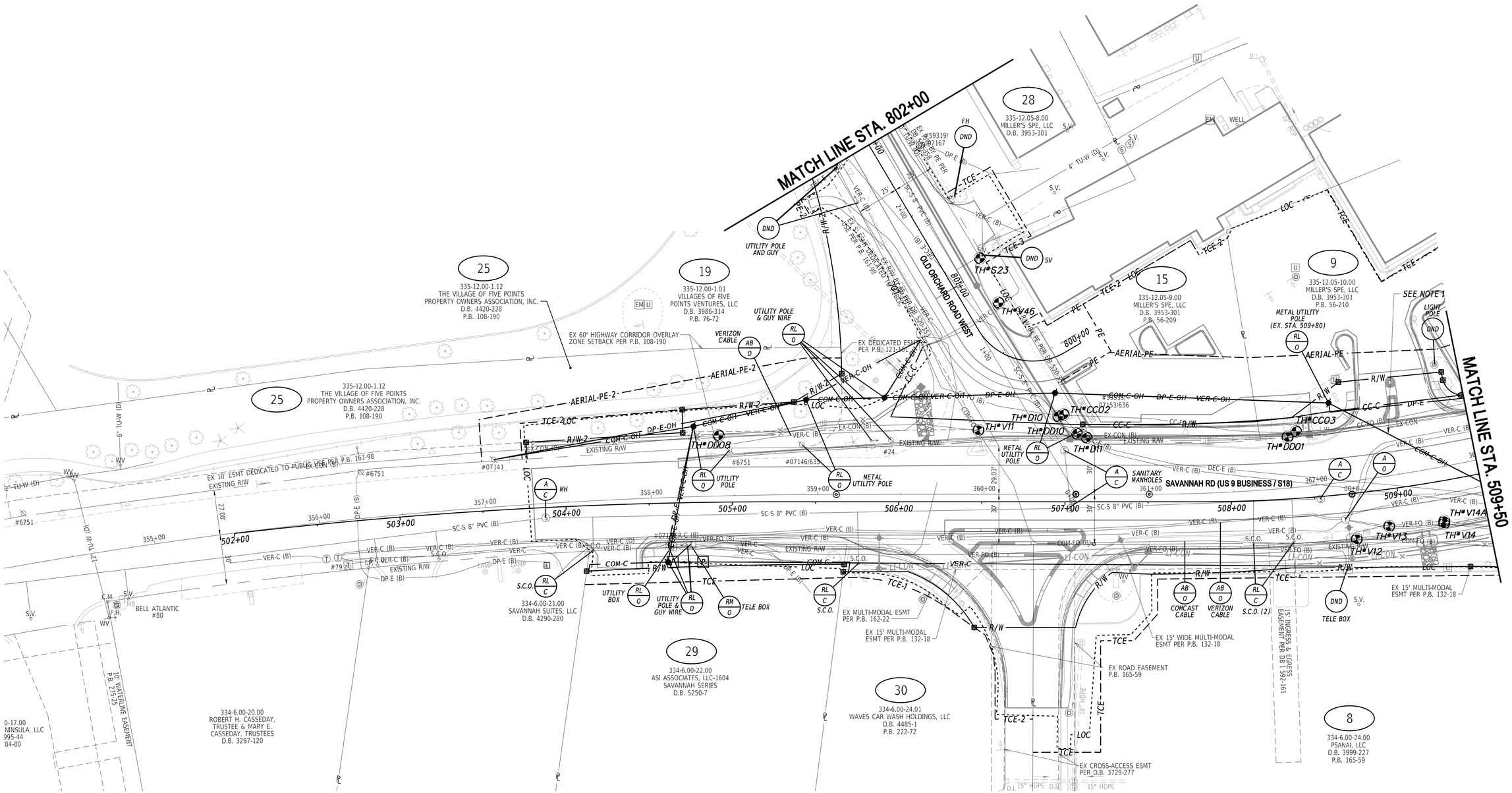
4/4/2025
10:56:59 AM

NOTES:

1. *CONFIRM COMCAST HAS A PLACE ON ALL OF THE PROPOSED POLES (TRANSMISSION/DISTRIBUTION) TO ACHIEVE A MINIMUM OF 18 FEET OVER THE ROADWAY.*



ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	UTILITY RELOCATION PLANS	UT-07
				COUNTY SUSSEX	DESIGNED BY: M. WELLBORN		SECTION WRA
					CHECKED BY: V. KOWALSKI		SHEET NO. 161

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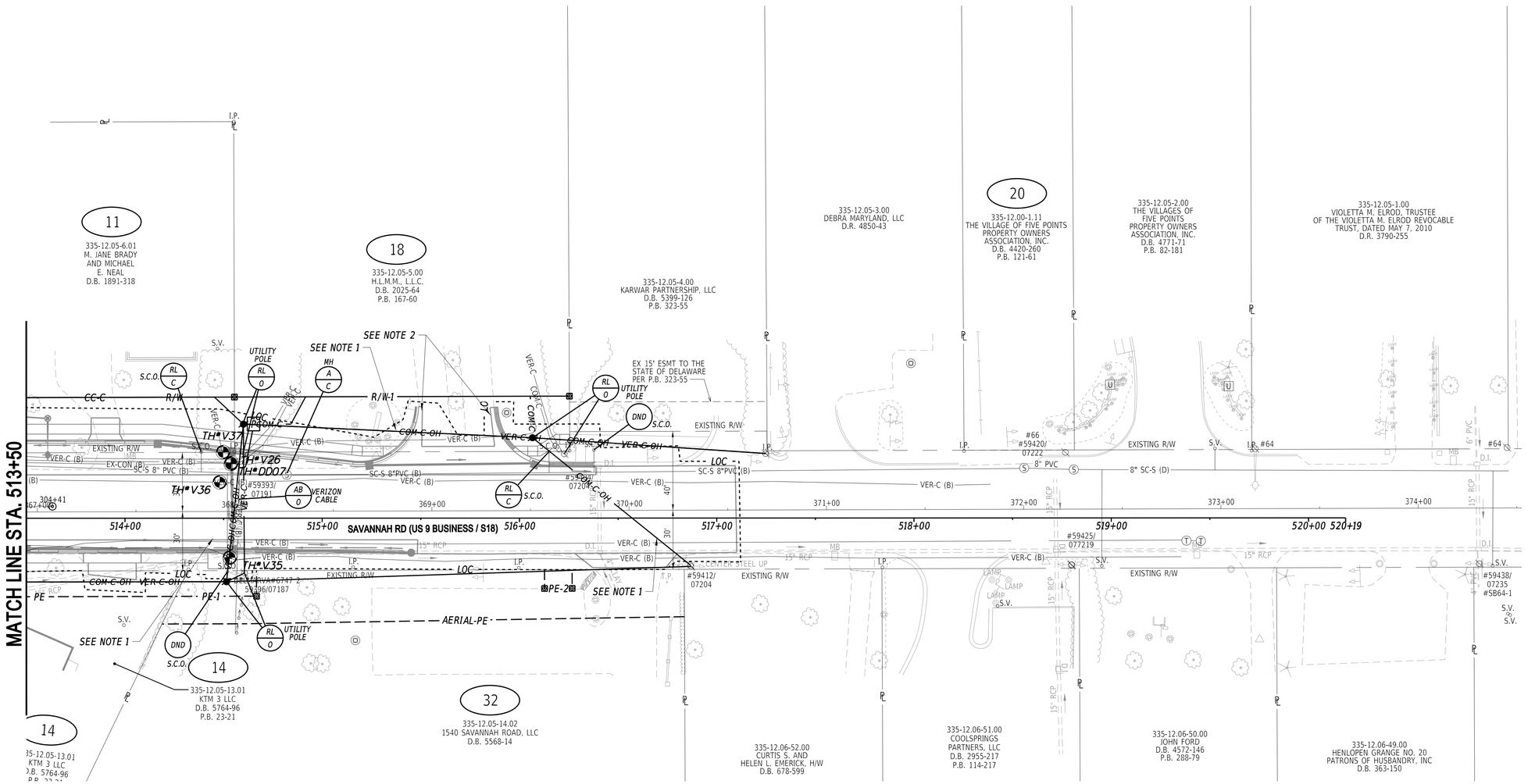


NOTES:

1. *CONFIRM COMCAST HAS A PLACE ON ALL OF THE PROPOSED POLES (TRANSMISSION/DISTRIBUTION) TO ACHIEVE A MINIMUM OF 18 FEET OVER THE ROADWAY.*
2. *UTILITIES HAVE BEEN RELOCATED AROUND BAYVIEW MEDICAL DRIVE DUE TO SIGN RELOCATION. CONTRACTOR SHALL HAND DIG IN PROXIMITY OF PROPOSED CURB TO DETERMINE IF ANY NEW UTILITY CONFLICTS EXIST.*
3. *THE CONTRACTOR SHALL CONFIRM THE DEPTH OF EXISTING SEWER LATERAL PRIOR TO INSTALLATION OF P-604, P-615 AND DI-605. THE CONTRACTOR MUST SUBMIT SUPPORTIVE EXCAVATION DETAILS, INCLUDING LOCATION OF EXISTING PIPE JOINT WITHIN EXCAVATION LIMITS, TO THE COUNTY FOR APPROVAL PRIOR TO ANY EXCAVATION BEING PERFORMED.*

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	T201609601
COUNTY	SUSSEX
BRIDGE NO.	N/A
DESIGNED BY:	M. WELLBORN
CHECKED BY:	V. KOWALSKI

UTILITY RELOCATION PLANS

UT-08
SECTION: WRA
SHEET NO.: 162

N:\22149.00\CADD\UT08.DGN.dgn
8/29/2024 - 3:41:11 PM

MATCH LINE

6
334-6.00-26.00
ATLANTIC EAST, LTD.
D.B. 1688-1
P.B. 139-86

3
334-6.00-27.01
KGB PROPERTIES, L.L.C.
D.B. 2524-30

2
334-6.00-27.00
JARROD ENTERPRISES
D.B. 2109-49
P.B. 45-10

33
334-6.00-26.01
ATLANTIC EAST, LTD.
D.B. 1688-1
P.B. 139-86

34
334-6.00-33.00
ACORN LEWES LLC
D.B. 4578-134
P.B. 193-63

1
334-6.00-32.00
ACORN LEWES, LLC
D.B. 4578-134

20' WIDE PERMANENT SANITARY SEWER EASEMENT PER D.B. 5054-1

20' WIDE PERMANENT SANITARY SEWER EASEMENT PER D.B. 5054-1

EX R/W BY PE PER D.B. 465-198

EX R/W BY PE PER D.B. 465-214 AND DB 465-359

EX 15' MULTI-MODAL EASEMENT PER P.B. 139-86

SEE NOTE 1

EX R/W BY PE PER D.B. 465-194

EX R/W BY PE PER D.B. 465-197

10' UTILITY EASEMENT PER P.B. 216-88

MARSH RD (S269B)

25+00 26+00 27+00 28+00 29+00 30+00 31+00 32+00

1100+00 1101+00 1102+00 1103+00 1104+00 1105+00

MATCH LINE STA. 1105+00

TH#D06 TH#V38 TH#W12 TH#CG03 TH#D14 TH#S24 TH#W16

GV (2) DND MH DND S.C.O. DND UTILITY BOXES UTILITY POLE GAS VALVE SANITARY CLEANOUT SANITARY CLEANOUT UTILITY POLE MH WELL

LOC TCE TCE-1 TCE-2 PE R/W

COM-C-OH COM-C DEC-E DEC-E (B) VER-C VER-C (B) VER-C-OH LOC-W

6" PVC 10" PVC TU-W (B) 15" HD 8" CU-G 2" CU-G (D) 6" SC-S (D) CU-G (B) COM-C (D) TU-W (B)

NOTES:

1. CONFIRM COMCAST HAS A PLACE ON ALL OF THE PROPOSED POLES (TRANSMISSION/DISTRIBUTION) TO ACHIEVE A MINIMUM OF 18 FEET OVER THE ROADWAY.

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	T201609601
COUNTY	SUSSEX
BRIDGE NO.	N/A
DESIGNED BY:	M. WELLBORN
CHECKED BY:	V. KOWALSKI

UTILITY RELOCATION PLANS

	UT-09
SECTION	WRA
SHEET NO.	163

N:\21149-00\3-CADD\UT09_OOR.dgn
8/29/2024 3:41:12 PM

MATCH LINE STA. 1202+00

MATCH LINE STA. 1109+50

N

12
335-12.05-14.00
EAST CLAY ROAD, LLC
D.B. 5346-107

35
335-12.06-36.01
MHC MCNICHOL PLACE, L.L.C.
D.B. 3306-252
P.B. 48-34

36
335-12.06-36.00
SAMIR AND
THANA L GHABRA, H/W
D.B. 2493-305
P.B. 28-262

5
334-6.00-28.00
C.W. TODD, JR. AND
ELLEN M. TODD, TRUSTEES
D.B. 2509-347
P.B. 78-32

37
335-12.06-53.00
LEWES OFFICE, LLC
D.B. 4167-258

38
335-12.06-54.00
JAMES B II
AND MARY E PHILLIPS, H/W
D.B. 1974-264

39
335-12.06-55.00
KATHERINE KAREN PERGOLA AND
DENNIS G. PERGOLA
D.B. 5104-334

4
334-6.00-39.00
DELAWARE AGRICULTURAL
LANDS PRESERVATION FOUNDATION
D.B. 3663-321

41
335-6.00-39.01
CLAY ROAD
HOLDINGS, LLC
D.B. 3242-67

335-12.06-56.00
HEIRS OF MARION C. WARD
D.B. 433-322
W.R. 196-104

SEE NOTE 1

EX 15' PE FOR POTABLE WATER PER DB 2833-59

EXISTING TIDEWATER WATER PIPE (10" AND 12") TO BE RELOCATED AND REMOVED BY THE STATE'S CONTRACTOR

PROPOSED TIDEWATER WATER PIPE (10" AND 12") TO BE INSTALLED BY THE STATE'S CONTRACTOR

PROPOSED 16-INCH STEEL CASING

PROPOSED 18-INCH STEEL CASING

PROVIDE TEMPORARY SUPPORT FOR UT POLE AS NEEDED

PROPOSED DEC POLE

PROPOSED CROWN CASTLE UNDERGROUND LINE

PROPOSED DEC UNDERGROUND LINE

PROPOSED TIDEWATER WATER PIPE (10" AND 12") TO BE INSTALLED BY THE STATE'S CONTRACTOR

MARSH RD (S269B)

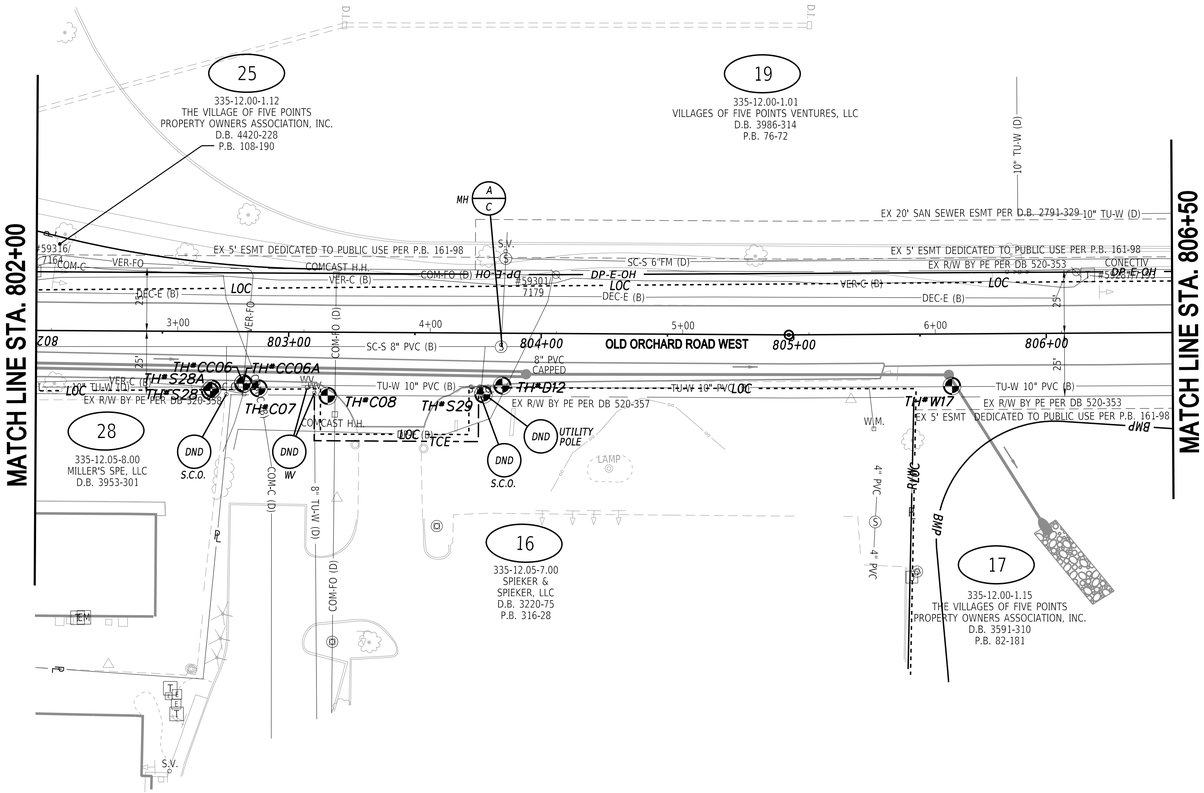
CLAY RD (S269)

NOTES:

1. *CONFIRM COMCAST HAS A PLACE ON ALL OF THE PROPOSED POLES (TRANSMISSION/DISTRIBUTION) TO ACHIEVE A MINIMUM OF 18 FEET OVER THE ROADWAY.*

N:\23148-002\CADD\UT10_GORB.dgn
8/29/2024 3:41:13 PM

ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	UTILITY RELOCATION PLANS	UT-10
				COUNTY SUSSEX	DESIGNED BY: M. WELLBORN		SECTION WRA
					CHECKED BY: V. KOWALSKI		SHEET NO. 164



N

ADDENDA / REVISIONS	

SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY:	M. WELLBORN
COUNTY	CHECKED BY:	V. KOWALSKI
SUSSEX		

UTILITY RELOCATION PLANS

UT-11	
SECTION	WRA
SHEET NO.	165

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8/29/2024
3:41:14 PM

UTILITY TEST HOLE SCHEDULE

NO.	UTILITY	STATION	OFFSET	GROUND EL.	COVER	O.D. & MATERIAL
CC01	CC-C	1206+85.75	2.65' RT.	22.94'	2.19'	2" CONDUIT
CC02	CC-C	506+99.21	52.42' LT.	28.38'	3.42'	2" CONDUIT
CC03	CC-C	508+41.87	40.18' LT.	27.23'	3.47'	2" CONDUIT
CC04	CC-C	1206+86.42	39.73' RT.	22.65'	0.69'	2" CONDUIT
CC05	CC-C	1206+72.63	55.63' LT.	22.93'	1.34'	2" CONDUIT
CC06	VER-C	802+82.12	20.62' RT.	28.03'	3.17'	2" CONDUIT
CC06A	VER-C	802+82.23	20.44' RT.	28.03'	1.90'	1" CABLE
C01	COM-C	608+23.91	55.94' LT.	25.88'	1.85'	1/2" CABLE
C01A	VER-C	608+29.70	61.90' LT.	25.93'	2.85'	1/2" CABLE
C02	DEC-E	608+20.88	54.16' LT.	25.84'	2.50'	4" CONDUIT
C05	VER-C	510+36.09	34.47' RT.	N/A	N/A	NO UTILITY FOUND
C07	COM-C	802+88.18	22.38' RT.	28.07'	1.85'	1.5" CABLE
C08	COM-C	803+15.58	25.22' RT.	28.03'	1.96'	2" CONDUIT
DD01	EX-CON	508+34.61	37.28' LT.	27.20'	2.68'	4" CONDUIT
DD02	EX-CON	509+66.71	36.03' LT.	26.35'	3.94'	4" CONDUIT
DD04	EX-CON	511+24.16	13.79' RT.	26.03'	1.67'	4" & (2)2" CONDUITS
DD05	EX-CON	511+93.97	26.59' RT.	26.23'	2.91'	2 - 2" CONDUITS
DD06	EX-CON	512+28.15	29.70' LT.	24.80'	1.77'	2" CONDUIT
DD07	EX-CON	514+53.72	27.54' LT.	25.25'	1.50'	4" CONDUIT
DD08	EX-CON	504+92.28	40.14' LT.	27.16'	1.84'	4" CONDUIT
DD10	EX-CON	507+07.14	41.01' LT.	28.24'	4.30'	4" CONDUIT
S01	SC-S	604+11.13	18.79' RT.	24.41'	16.91'	10" PVC
S02	SC-S	606+01.47	18.82' RT.	24.34'	16.06'	10" PVC
S03	SC-S	510+77.37	32.84' LT.	25.74'	5.74'	8" PVC
S03A	EX-CON	510+77.55	38.09' LT.	25.81'	1.86'	4" CONDUIT
S04	SC-S	512+39.46	32.54' LT.	24.92'	6.33'	8" PVC
S06	SC-S	626+30.05	54.93' RT.	26.11'	6.76'	8" PVC
S07	SC-S	626+37.89	30.68' RT.	25.48'	6.22'	8" PVC
S08	SC-S	638+72.18	31.30' LT.	20.79'	4.60'	6" PVC FM
S12	SC-S	604+58.89	29.65' RT.	24.61'	16.86'	8" PVC
S13	SC-S	609+13.12	23.72' RT.	24.75'	15.67'	8" PVC
S14	SC-S	510+36.33	33.66' LT.	26.01'	5.70'	8" PVC
S15	SC-S	602+48.91	25.13' RT.	24.31'	3.96'	6" PVC
S16	SC-S	603+36.98	18.00' RT.	N/A	N/A	NO UTILITY FOUND
S17	SC-S	1106+15.77	34.52' LT.	25.74'	9.66'	8" PVC
S18	SC-S	606+29.36	29.56' LT.	25.74'	5.68'	6" PVC
S19	SC-S	606+75.09	29.12' LT.	24.89'	4.88'	6" PVC
S20	SC-S	512+53.90	39.99' RT.	N/A	N/A	NO UTILITY FOUND
S23	SC-S	801+07.37	22.69' RT.	28.04'	4.10'	6" PVC
S24	SC-S	1103+80.02	23.24' RT.	24.90'	3.59'	6" PVC
S25	SC-S	1204+38.91	14.79' LT.	22.94'	3.31'	6" PVC
S26	SC-S	1205+18.22	18.56' LT.	22.74'	11.16'	8" PVC
S27	SC-S	1207+05.16	28.36' RT.	N/A	N/A	NO UTILITY FOUND
S28	SC-S	802+68.96	23.58' RT.	28.17'	4.19'	6" PVC
S28A	VER-C	802+69.84	22.65' RT.	28.04'	3.78'	2" CONDUIT
S29	SC-S	803+77.23	24.27' RT.	28.35'	5.92'	6" PVC
V01	VER-C	605+48.76	11.60' LT.	24.83'	2.36'	1/2" CABLE
V01A	VER-C	605+46.80	14.28' LT.	24.78'	3.16'	2" CABLE
V02	VER-C	605+91.26	23.28' RT.	24.27'	2.15'	1/2" CABLE
V03	VER-C	606+06.64	20.77' LT.	24.93'	3.55'	1" & 2" CABLES
V04	VER-C	606+11.78	17.56' LT.	24.88'	3.31'	1.5" CABLE
V05	VER-C	606+82.96	14.29' LT.	24.72'	2.70'	1.5" & 2" CABLES
V06	VER-C	606+82.89	10.00' LT.	24.83'	2.45'	3" CABLE
V07	VER-FO	609+28.69	44.43' LT.	25.21'	4.40'	2.5" CONDUIT
V08	VER-FO	610+02.31	106.99' LT.	25.08'	2.80'	2.5" CONDUIT
V09	VER-FO	610+02.67	95.25' LT.	24.75'	3.00'	1.5" CABLE
V09A	VER-C	610+03.21	94.51' LT.	24.81'	3.00'	2" CABLE
V09B	VER-C	610+02.03	93.18' LT.	24.85'	2.75'	3" CABLE
V10	VER-FO	610+17.29	109.00' LT.	24.94'	3.60'	4" METAL CASING
V10A	VER-C	610+17.38	108.93' LT.	24.94'	2.93'	1.5" CABLE
V10B	VER-C	610+18.91	109.02' LT.	24.97'	2.90'	2" CABLE
V11	VER-FO	506+48.00	43.04' LT.	27.24'	3.54'	2.5" CONDUIT
V12	VER-FO	508+72.61	27.55' RT.	26.87'	2.80'	2.5" CONDUIT
V13	VER-C	508+92.31	22.15' RT.	26.52'	2.05'	3" CABLE
V14	VER-FO	509+24.32	25.41' RT.	26.28'	3.30'	1.5" CABLE
V14A	VER-FO	509+24.62	24.05' RT.	26.17'	3.25'	2" CABLE
V15	VER-C	509+68.28	7.05' RT.	26.64'	2.88'	16 - 4" CONDUITS
V16	VER-C	509+66.65	26.97' LT.	26.03'	3.54'	1.5" CABLE
V16A	VER-C	509+66.85	25.53' LT.	26.04'	3.54'	1.5" CABLE
V17	VER-C	510+76.64	45.61' RT.	27.11'	2.50'	2.5" CABLE
V18	VER-C	510+93.16	59.05' RT.	26.43'	2.85'	3" CABLE
V19	VER-C	510+90.29	15.58' RT.	26.38'	3.20'	16 - 4" CONDUITS
V19A	VER-C	510+89.45	18.57' RT.	26.54'	2.35'	2.5" CABLE
V20	VER-C	510+79.03	25.19' LT.	25.50'	2.63'	1.5" CABLE
V20A	VER-C	510+78.81	24.14' LT.	25.55'	3.45'	1.5" CABLE

UTILITY TEST HOLE SCHEDULE

NO.	UTILITY	STATION	OFFSET	GROUND EL.	COVER	O.D. & MATERIAL
V21	VER-C	511+94.04	13.19' RT.	25.72'	4.01'	12 - 5" CONDUITS
V22	VER-C	511+94.04	13.19' RT.	25.72'	2.50'	3" CABLE
V23	VER-C	512+08.69	45.67' RT.	25.78'	3.97'	3" CABLE
V24	VER-C	512+34.70	22.11' LT.	25.12'	3.35'	1.5" CABLE
V24A	VER-C	512+35.02	21.03' LT.	25.15'	3.60'	1.5" CABLE
V25	VER-C	512+39.75	34.45' LT.	24.88'	1.89'	3/4" CABLE
V26	VER-FO	514+54.02	28.05' LT.	25.20'	3.10'	2" CONDUIT
V27	VER-C	629+79.49	17.15' LT.	22.64'	2.40'	2" CABLE
V27A	VER-C	629+77.36	12.21' LT.	23.09'	2.50'	3/4" CABLE
V28	VER-C	630+78.00	95.55' RT.	24.26'	3.66'	1.5" CABLE
V29	VER-C	512+88.80	36.89' LT.	24.90'	2.85'	2.5" CONDUIT
V29A	VER-C	512+88.71	34.07' LT.	24.98'	2.30'	3/4" CABLE
V30	VER-C	605+03.36	17.53' LT.	24.93'	2.88'	2" CABLE
V30A	VER-C	638+71.44	18.30' LT.	20.67'	2.85'	2" CABLE
V31	VER-C	608+46.42	26.67' RT.	25.20'	2.68'	1" CABLE
V31A	VER-C	638+73.58	9.62' LT.	21.41'	2.70'	3/4" CABLE
V32	COM-C	608+91.86	26.67' RT.	24.89'	4.74'	2" CONDUIT
V33	CC-C	510+36.43	37.17' LT.	26.19'	3.45'	3" CONDUIT
V34	VER-C	510+94.80	32.96' RT.	26.06'	2.20'	2" CONDUIT
V35	VER-C	514+54.30	12.93' RT.	24.47'	2.47'	3" & 1/2" CABLES
V36	VER-C	514+51.32	19.51' LT.	24.62'	3.35'	2 - 2" CABLES
V37	VER-C	514+49.93	34.21' LT.	25.06'	1.27'	1/4" CABLE
V38	VER-C	1104+19.54	41.89' LT.	24.77'	2.31'	2" CABLE
V40	VER-C	602+08.48	17.29' LT.	24.11'	2.83'	3" CABLE
V40A	VER-C	602+08.74	14.36' LT.	24.29'	2.85'	3" CABLE
V41	VER-C	608+73.29	35.80' LT.	24.91'	2.72'	3" CABLE
V42	VER-C	608+74.45	31.33' LT.	25.07'	2.64'	3" CABLE
V44	VER-C	513+43.46	23.95' RT.	25.50'	3.10'	1/2" CABLE
V45	COM-C	631+37.31	21.00' RT.	23.18'	2.78'	1" CABLE
V45A	VER-C	631+48.91	19.09' RT.	23.02'	2.52'	2 - 4" CONDUITS
V46	VER-C	800+78.70	18.77' RT.	28.53'	3.53'	1" CABLE
V47	VER-C	507+00.34	43.68' LT.	N/A	N/A	DID NOT DIG
V48	VER-C	507+08.26	37.76' LT.	N/A	N/A	DID NOT DIG
W01	TU-W	622+86.04	51.26' RT.	27.28'	4.11'	10" PVC
W02	TU-W	630+46.54	87.05' RT.	24.02'	4.52'	10" PVC
W03	TU-W	604+99.05	57.91' LT.	24.64'	3.91'	16" METAL CASING
W04	TU-W	638+91.48	14.52' LT.	21.28'	3.43'	12" PVC
W05	TU-W	1206+26.24	38.12' LT.	24.23'	5.25'	8" PVC
W06	TU-W	1112+04.83	25.55' LT.	23.39'	3.10'	16" METAL CASING
W06A	VER-C	1112+04.85	25.59' LT.	23.39'	2.20'	1" CABLE
W07	TU-W	1116+15.86	15.09' RT.	20.74'	4.40'	12" PVC
W08	TU-W	604+96.53	10.28' LT.	24.93'	4.23'	10" PVC
W09	TU-W	623+16.28	5.79' RT.	27.46'	4.76'	10" PVC
W10	TU-W	622+71.16	70.91' RT.	27.10'	4.19'	10" PVC
W11	TU-W	637+31.50	23.76' LT.	20.11'	3.76'	10" PVC
W12	TU-W	1104+23.93	35.42' LT.	24.46'	3.60'	10" PVC
W13	TU-W	604+91.62	88.94' RT.	22.29'	2.53'	10" PVC
W14	TU-W	1110+46.89	35.44' LT.	22.35'	3.01'	10" PVC
W15	TU-W	1103+59.59	24.62' RT.	24.40'	5.41'	8" PVC
W16	TU-W	630+53.74	21.92' LT.	23.32'	3.64'	10" PVC
W17	TU-W	805+62.58	20.63' RT.	27.97'	3.26'	8" PVC
D01	DP-E	630+77.58	95.51' RT.	24.26'	3.60'	3 - 1.5" CABLES
D01A	DP-E	630+77.25	95.68' RT.	24.29'	3.68'	2.5" CONDUIT
D02	DEC-E	510+34.83	26.28' RT.	25.40'	11.02'	SIZE UNDETERMINED
D03	DEC-E	609+13.12	7.21' RT.	25.14'	10.26'	SIZE UNDETERMINED
D03A	VER-C	608+98.42	17.73' RT.	N/A	N/A	NO UTILITY FOUND
D04	DP-E	631+45.09	19.40' LT.	22.66'	1.68'	4" CONDUIT
D05	DEC-E	1113+68.37	10.44' RT.	23.27'	3.67'	2 - 2" CONDUITS
D06	DEC-E	1104+26.05	43.21' LT.	25.25'	8.73'	3 - 2" CABLES
D07	DEC-E	604+96.49	54.76' RT.	N/A	N/A	NO UTILITY FOUND
D08	DEC-E	610+13.52	88.06' LT.	N/A	N/A	NO UTILITY FOUND
D09	DEC-E	631+42.28	18.58' RT.	23.20'	3.58'	4" CONDUIT
D10	DEC-E	506+96.00	51.43' LT.	N/A	N/A	NO UTILITY FOUND
D11	DEC-E	507+12.98	38.58' LT.	N/A	N/A	NO UTILITY FOUND
D12	DEC-E	803+84.75	20.73' RT.	28.11'	3.47'	4" CONDUIT
D13	DEC-E	603+82.54	31.78' RT.	24.45'	3.70'	3 - 3" CONDUITS
D14	DEC-E	1103+26.04	12.39' RT.	25.05'	5.95'	3 - 2" CABLES
D15	DEC-E	1113+46.19	0.31' LT.	N/A	N/A	NO UTILITY FOUND
CG01	CU-G	1105+55.82	24.10' LT.	24.50'	3.31'	8" HDPE
CG02	CU-G	1107+45.67	20.19' LT.	24.66'	3.95'	8" HDPE
CG03	CU-G	1103+37.24	0'	25.24'	3.53'	8" HDPE
CG04	CU-G	1110+39.90	35.55' LT.	23.03'	5.11'	2" SERVICE
CG05	CU-G	1112+30.33	22.56' RT.	22.66'	4.24'	8" HDPE
CG06	CU-G	1113+68.37	0.66' LT.	21.92'	3.90'	8" HDPE
CG07	CU-G	1116+15.45	16.69' RT.	21.15'	3.38'	8" HDPE

UTILITY TEST HOLE SCHEDULE

NO.	UTILITY	STATION	OFFSET	GROUND EL.	COVER	O.D. & MATERIAL
CG08	CU-G	1116+81.94	17.98' RT.	21.22'	4.51'	8" HDPE
CG09	CU-G	1113+44.34	1.02' LT.	22.17'	4.24'	8" HDPE
ST01	ST-DELDOT	608+71.35	42.52' LT.	24.67'	0.91'	15" METAL PIPE

ADDENDA / REVISIONS

NOT TO SCALE

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY:	M. WELLBORN
COUNTY	CHECKED BY:	V. KOWALSKI
SUSSEX		

UTILITY TEST HOLE SCHEDULE

SECTION
WRA
SHEET NO.
166

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PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	1,720 LF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, DOUBLE YELLOW 6" SOLID (ITEM 817042)	1,370 LF
(D)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 6' GAP (ITEM 817042)	285 LF
(E)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 817002)	90 SF
(F)	PREFORMED THERMOPLASTIC PAVEMENT MARKING WHITE, BIKE SYMBOL (ITEM 817015)	2 EACH
(H)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 12" DOTTED - 2' LINE & 2' GAP (ITEM 817043)	75 LF
(I)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	1,390 LF
(J)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 10' X 2' (ITEM 817002)	160 SF

MATCH LINE STA. 1105+00 (SS-09)

MATCH LINE STA. 1109+50 (SS-10)

MATCH LINE STA. 607+50 (SS-02)

WESCOATS RD (S 12)

MARSH RD (S289B)

MATCH EXISTING STRIPING

NOTES:

1. *PERMANENT ROADWAY SIGNS (TRAFFIC CONTROL DEVICES) DEPICTED WITHIN THIS PLAN SET ARE BASED PRIMARILY ON A ROADWAY SIGNING INVENTORY THAT PRECEDES THE ACTUAL START OF CONSTRUCTION OF THIS PROJECT. AS A RESULT, THE CONTRACTOR MAY ENCOUNTER ROADWAY SIGNS WITHIN THE LIMIT OF CONSTRUCTION THAT ARE NOT DEPICTED WITHIN THIS PLAN SET. THESE ROADWAY SIGNS SHALL BE TEMPORARILY RELOCATED OR REMOVED AND THEN PERMANENTLY REINSTALLED ONCE CONSTRUCTION ACTIVITIES WITHIN THE IMMEDIATE VICINITY CONCLUDE (SEE ITEMS 819016, 819018, 819019 FOR PAYMENT). ROADWAY SIGNS DEPICTED WITHIN THIS PLAN SET AS "RENEW EXISTING SIGN" AND/OR "REPOSITION EXISTING SIGN" THAT ARE NOT PRESENTLY IN THE FIELD SHALL NOT BE ORDERED, FABRICATED, OR INSTALLED AND SHALL NOT CONSTITUTE PAYMENT. SIMILARILY, ROADWAY SIGNS DEPICTED WITHIN THIS PLAN SET AS "REMOVE EXISTING SIGN" THAT ARE NOT PRESENTLY IN THE FIELD SHALL NOT CONSTITUTE PAYMENT. BEFORE ORDERING PERMANENT ROADWAY SIGNS (TRAFFIC CONTROL DEVICES), THE CONTRACTOR AND THE ENGINEER SHALL FIRST VERIFY THAT THE ACTUAL FIELD CONDITIONS REFLECT THE INTENT OF THE CORRESPONDING SIGNING AND STRIPING PLAN.

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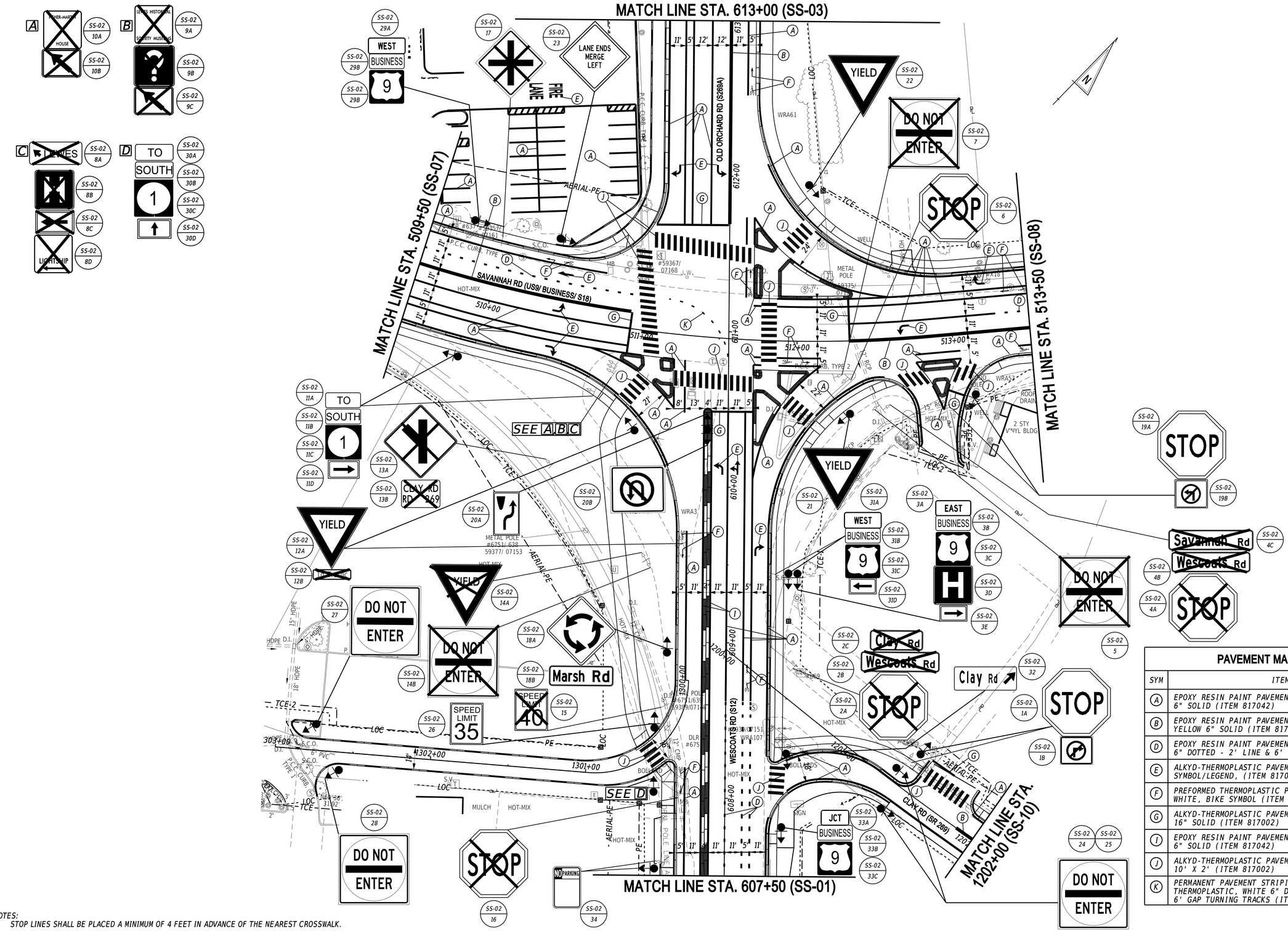
8/29/2024 5:49:10 PM

ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	SIGNING AND STRIPING PLANS	SS-01
				COUNTY SUSSEX	DESIGNED BY: A. PHILLIPPI		SECTION WRA
					CHECKED BY: D. CARSON		SHEET NO. 167



NOTES:
1. STOP LINES SHALL BE PLACED A MINIMUM OF 4 FEET IN ADVANCE OF THE NEAREST CROSSWALK.

PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
A	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	5,130 LF
B	EPOXY RESIN PAINT PAVEMENT STRIPING, DOUBLE YELLOW 6" SOLID (ITEM 817042)	800 LF
D	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 6' GAP (ITEM 817042)	130 LF
E	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 817002)	210 SF
F	PREFORMED THERMOPLASTIC PAVEMENT MARKING WHITE, BIKE SYMBOL (ITEM 817015)	8 EACH
G	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 817002)	225 SF
J	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	600 LF
J	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 10' X 2' (ITEM 817002)	1,880 SF
K	PERMANENT PAVEMENT STRIPING, ALKYD-THERMOPLASTIC, WHITE 6" DOTTED, 2' LINE & 6' GAP TURNING TRACKS (ITEM 817038)	20 LF

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	T201609601	BRIDGE NO.	N/A
COUNTY	SUSSEX	DESIGNED BY:	A. PHILLIPPI
		CHECKED BY:	D. CARSON

SIGNING AND STRIPING PLANS

	SS-02
SECTION	WRA
SHEET NO.	168

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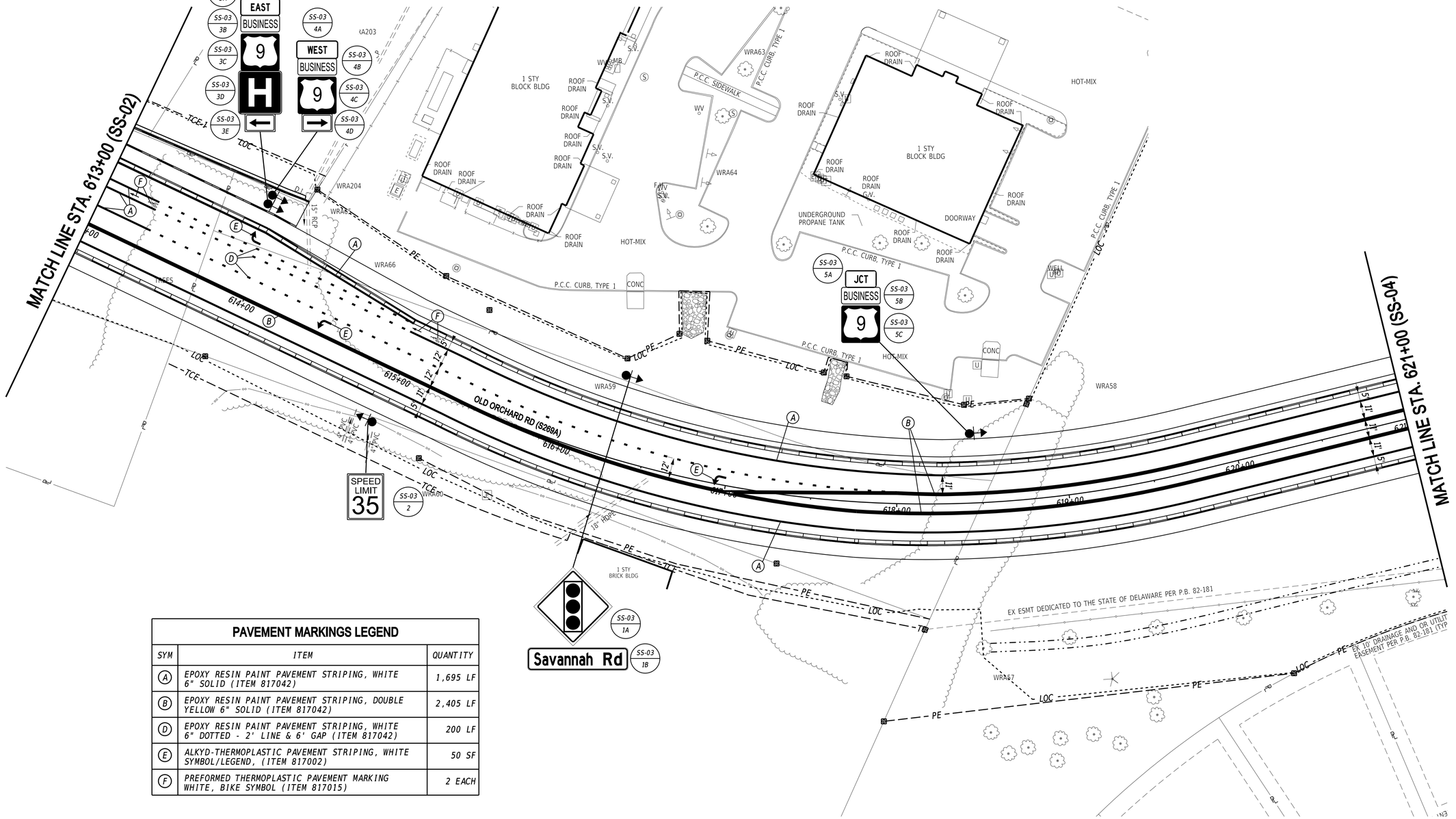

PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	1,695 LF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, DOUBLE YELLOW 6" SOLID (ITEM 817042)	2,405 LF
(D)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 6' GAP (ITEM 817042)	200 LF
(E)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 817002)	50 SF
(F)	PREFORMED THERMOPLASTIC PAVEMENT MARKING WHITE, BIKE SYMBOL (ITEM 817015)	2 EACH

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	T201609601	BRIDGE NO.	N/A
COUNTY	SUSSEX	DESIGNED BY:	A. PHILLIPPI
		CHECKED BY:	D. CARSON

SIGNING AND STRIPING PLANS

SS-03	
SECTION	WRA
SHEET NO.	169

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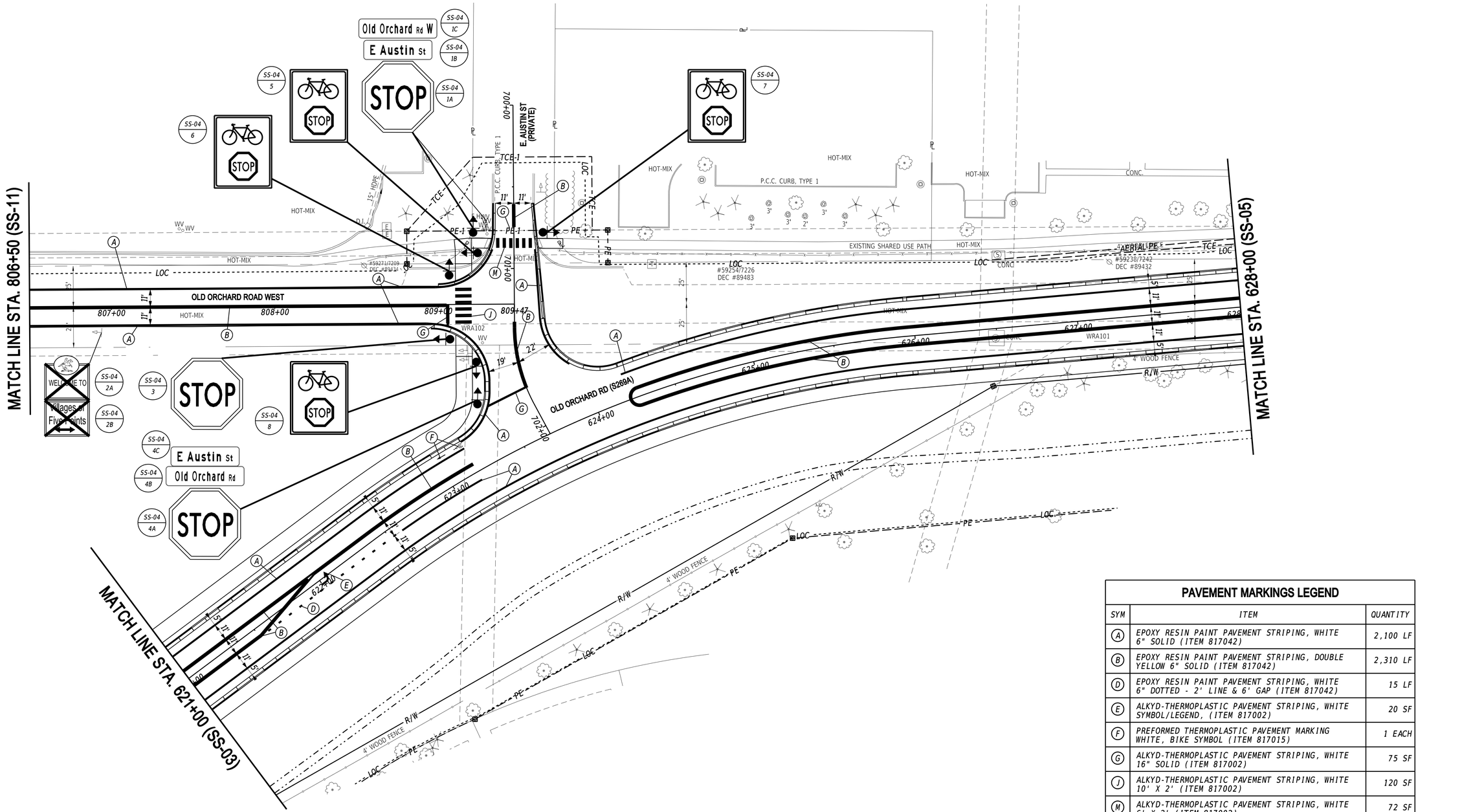

PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	2,100 LF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, DOUBLE YELLOW 6" SOLID (ITEM 817042)	2,310 LF
(D)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 6' GAP (ITEM 817042)	15 LF
(E)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 817002)	20 SF
(F)	PREFORMED THERMOPLASTIC PAVEMENT MARKING WHITE, BIKE SYMBOL (ITEM 817015)	1 EACH
(G)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 817002)	75 SF
(J)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 10' X 2' (ITEM 817002)	120 SF
(M)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 6' X 2' (ITEM 817002)	72 SF

NOTES:
1. STOP LINES SHALL BE PLACED A MINIMUM OF 4 FEET IN ADVANCE OF THE NEAREST CROSSWALK.

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ADDENDA / REVISIONS

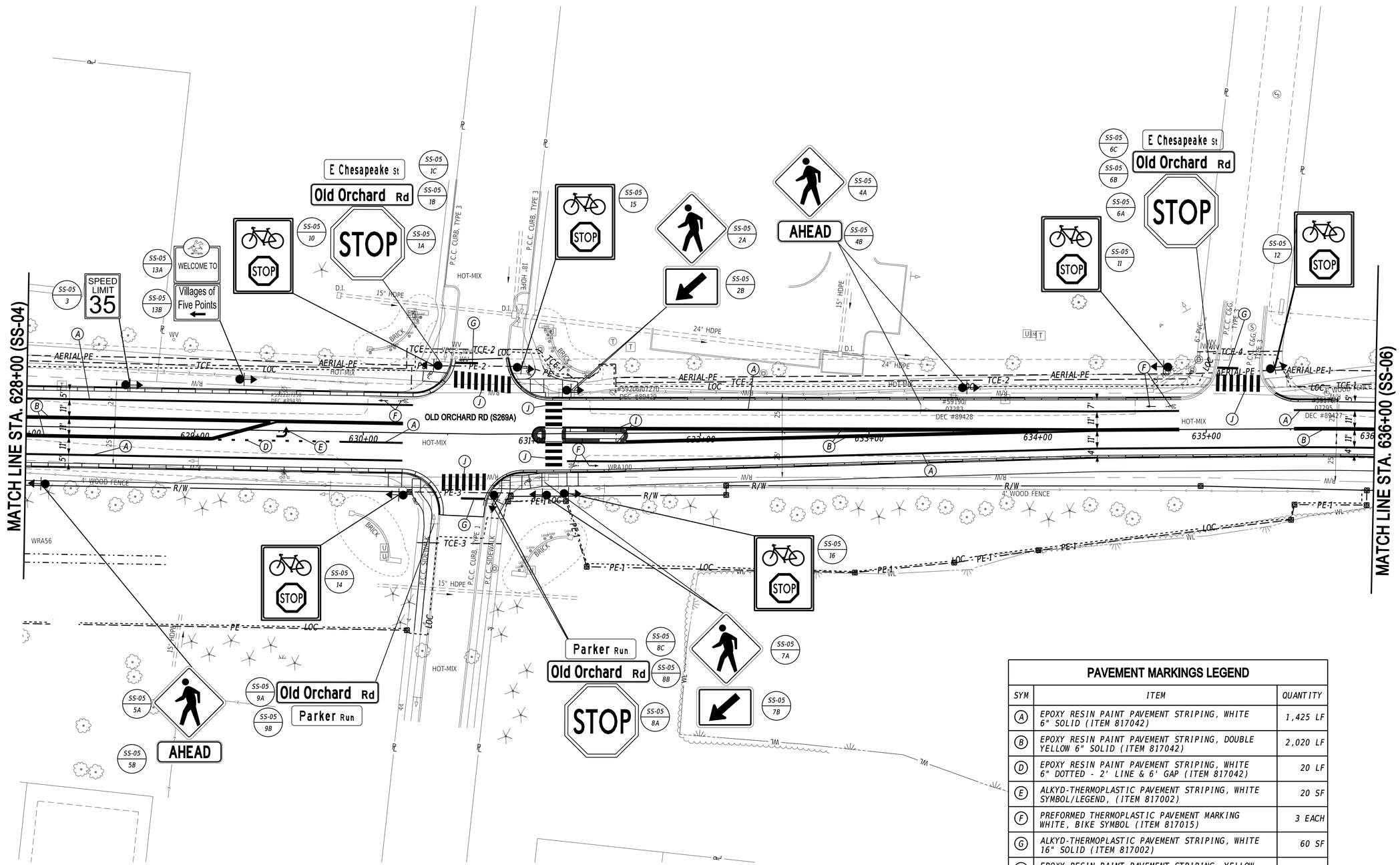
SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	T201609601
COUNTY	SUSSEX
BRIDGE NO.	N/A
DESIGNED BY:	A. PHILLIPPI
CHECKED BY:	D. CARSON

SIGNING AND STRIPING PLANS

SS-04
SECTION
WRA
SHEET NO.
170



PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	1,425 LF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, DOUBLE YELLOW 6" SOLID (ITEM 817042)	2,020 LF
(D)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 6' GAP (ITEM 817042)	20 LF
(E)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 817002)	20 SF
(F)	PREFORMED THERMOPLASTIC PAVEMENT MARKING WHITE, BIKE SYMBOL (ITEM 817015)	3 EACH
(G)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 817002)	60 SF
(I)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	95 LF
(J)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 10' X 2' (ITEM 817002)	620 SF

NOTES:
1. STOP LINES SHALL BE PLACED A MINIMUM OF 4 FEET IN ADVANCE OF THE NEAREST CROSSWALK.

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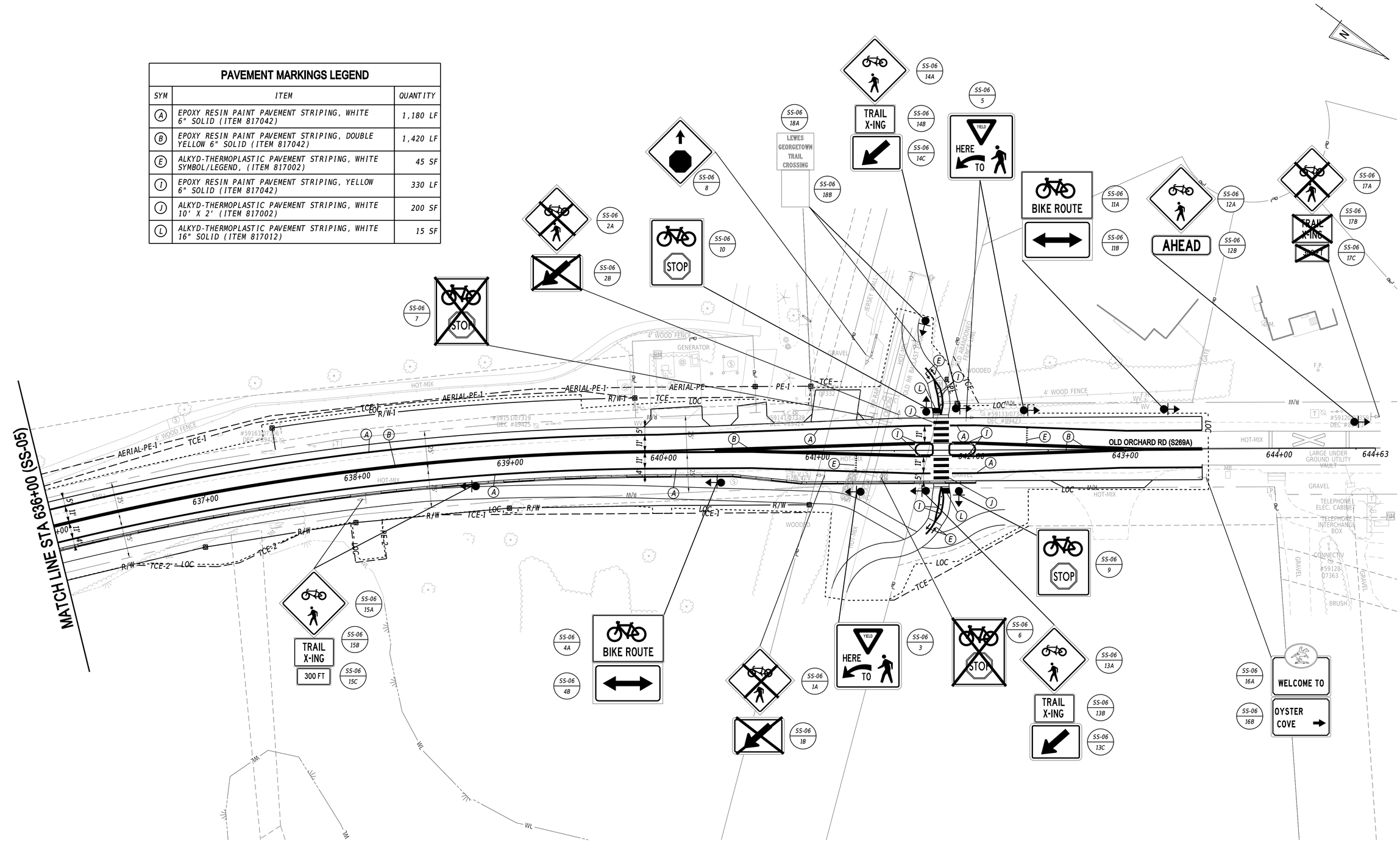
4/4/2025 10:58:39 AM

ADDENDA / REVISIONS	SCALE	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT	T201609601	BRIDGE NO.	N/A	SIGNING AND STRIPING PLANS	SS-05
	0 30 60 90 FEET		COUNTY	SUSSEX	DESIGNED BY:	A. PHILLIPPI		SECTION: WRA
					CHECKED BY:	D. CARSON		SHEET NO.: 171

PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	1,180 LF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, DOUBLE YELLOW 6" SOLID (ITEM 817042)	1,420 LF
(E)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 817002)	45 SF
(I)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	330 LF
(J)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 10' X 2' (ITEM 817002)	200 SF
(L)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 817012)	15 SF



ADDENDA / REVISIONS	SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	SIGNING AND STRIPING PLANS	SS-06
			COUNTY SUSSEX	DESIGNED BY: A. PHILLIPPI		SECTION WRA
				CHECKED BY: D. CARSON		SHEET NO. 172

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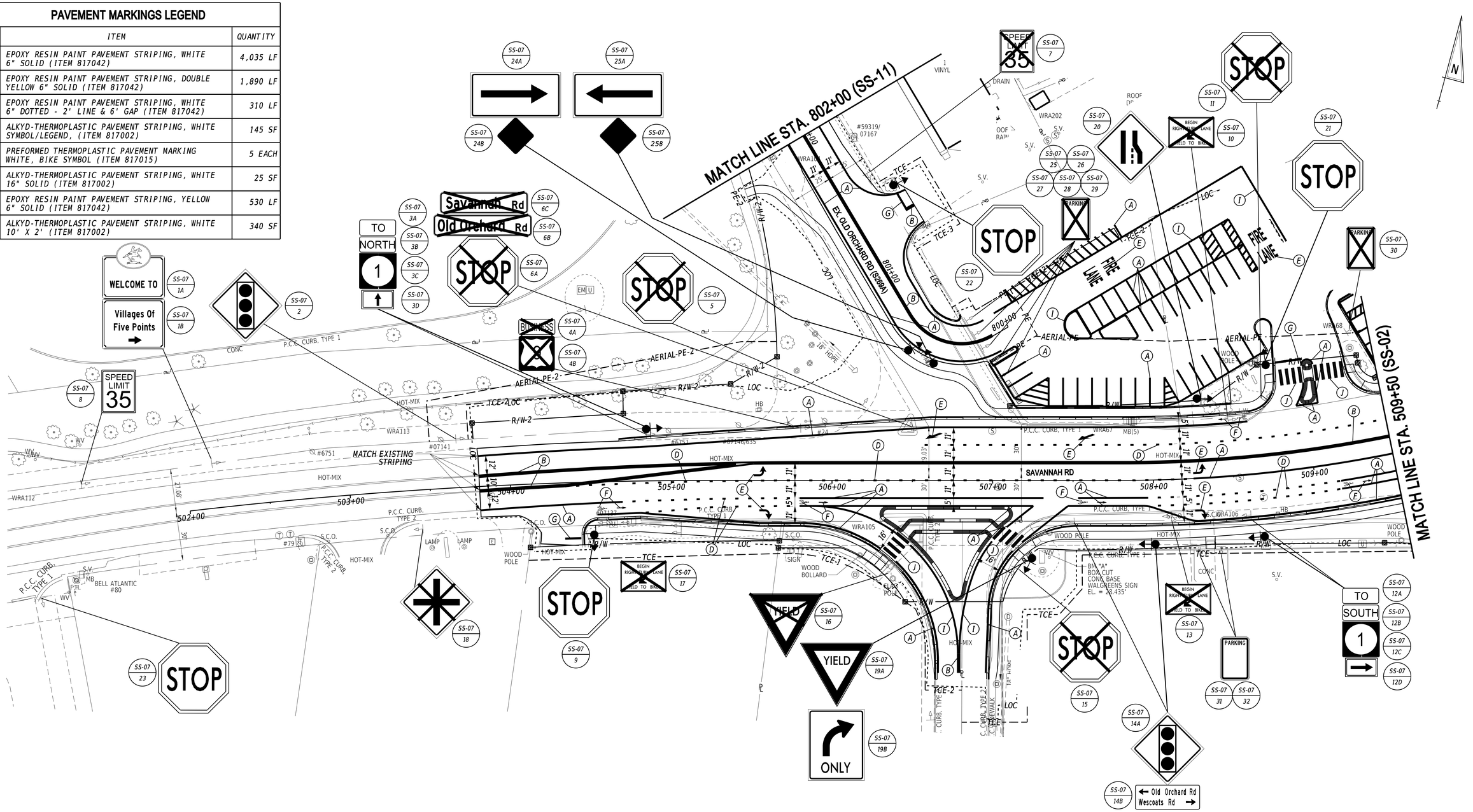
PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	4,035 LF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, DOUBLE YELLOW 6" SOLID (ITEM 817042)	1,890 LF
(D)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 6' GAP (ITEM 817042)	310 LF
(E)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 817002)	145 SF
(F)	PREFORMED THERMOPLASTIC PAVEMENT MARKING WHITE, BIKE SYMBOL (ITEM 817015)	5 EACH
(G)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 817002)	25 SF
(I)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 6" SOLID (ITEM 817042)	530 LF
(J)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 10' X 2' (ITEM 817002)	340 SF



NOTES:

1. *STOP LINES SHALL BE PLACED A MINIMUM OF 4 FEET IN ADVANCE OF THE NEAREST CROSSWALK.*

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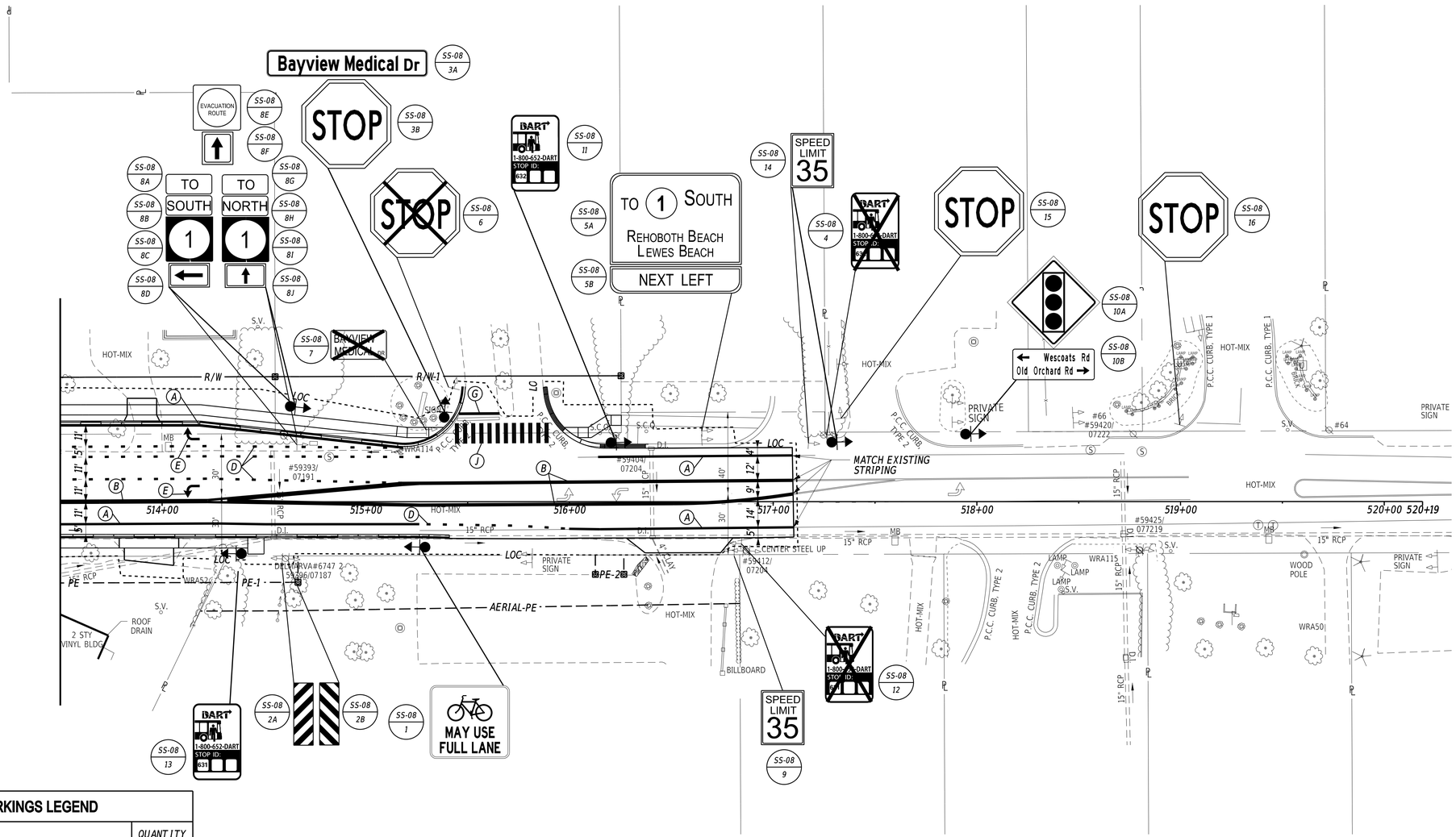
ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	SIGNING AND STRIPING PLANS	SS-07 SECTION WRA SHEET NO. 173
				COUNTY SUSSEX	DESIGNED BY: A. PHILLIPPI		
					CHECKED BY: D. CARSON		



PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	560 LF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, DOUBLE YELLOW 6" SOLID (ITEM 817042)	1,300 LF
(D)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 6' GAP (ITEM 817042)	150 LF
(E)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 817002)	35 SF
(F)	PREFORMED THERMOPLASTIC PAVEMENT MARKING WHITE, BIKE SYMBOL (ITEM 817015)	2 EACH
(G)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 817002)	30 SF
(J)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 10' X 2' (ITEM 817002)	240 SF

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ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

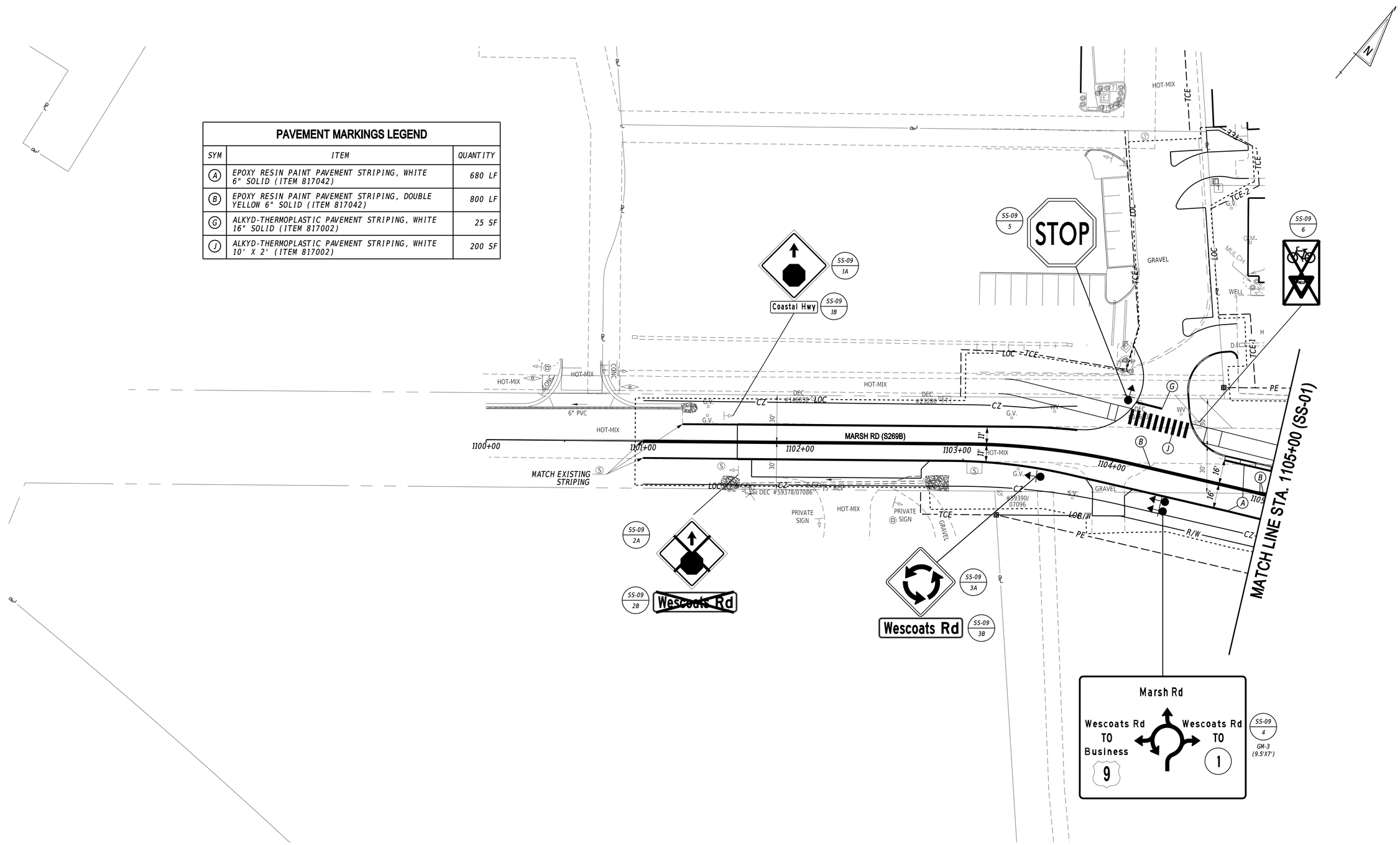
CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY:	A. PHILLIPPI
COUNTY	CHECKED BY:	D. CARSON
SUSSEX		

SIGNING AND STRIPING PLANS

SS-08
SECTION
WRA
SHEET NO.
174

PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	680 LF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, DOUBLE YELLOW 6" SOLID (ITEM 817042)	800 LF
(G)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 817002)	25 SF
(J)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 10' X 2' (ITEM 817002)	200 SF



ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	SIGNING AND STRIPING PLANS	SS-09
				COUNTY SUSSEX	DESIGNED BY: A. PHILLIPPI		SECTION WRA
					CHECKED BY: D. CARSON		SHEET NO. 175

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PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	2,350 LF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, DOUBLE YELLOW 6" SOLID (ITEM 817042)	2,225 LF
(D)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" DOTTED - 2' LINE & 6' GAP (ITEM 817042)	25 LF
(G)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 16" SOLID (ITEM 817002)	65 SF
(J)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 10' X 2' (ITEM 817002)	520 SF

MATCH LINE STA. 1202+00 (SS-02)

MATCH LINE STA. 1109+50 (SS-01)

Wescoats Rd

Clay Rd

McNicol Rd

Marsh Rd

NO OUTLET

STOP

SPEED LIMIT 35

STATE PROPERTY NO TRESSPASSING

CLAY RD (S269)

MARSH RD (S269B)

NOTE:

1. STOP LINES SHALL BE PLACED A MINIMUM OF 4 FEET IN ADVANCE OF THE NEAREST CROSSWALK.

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ADDENDA / REVISIONS

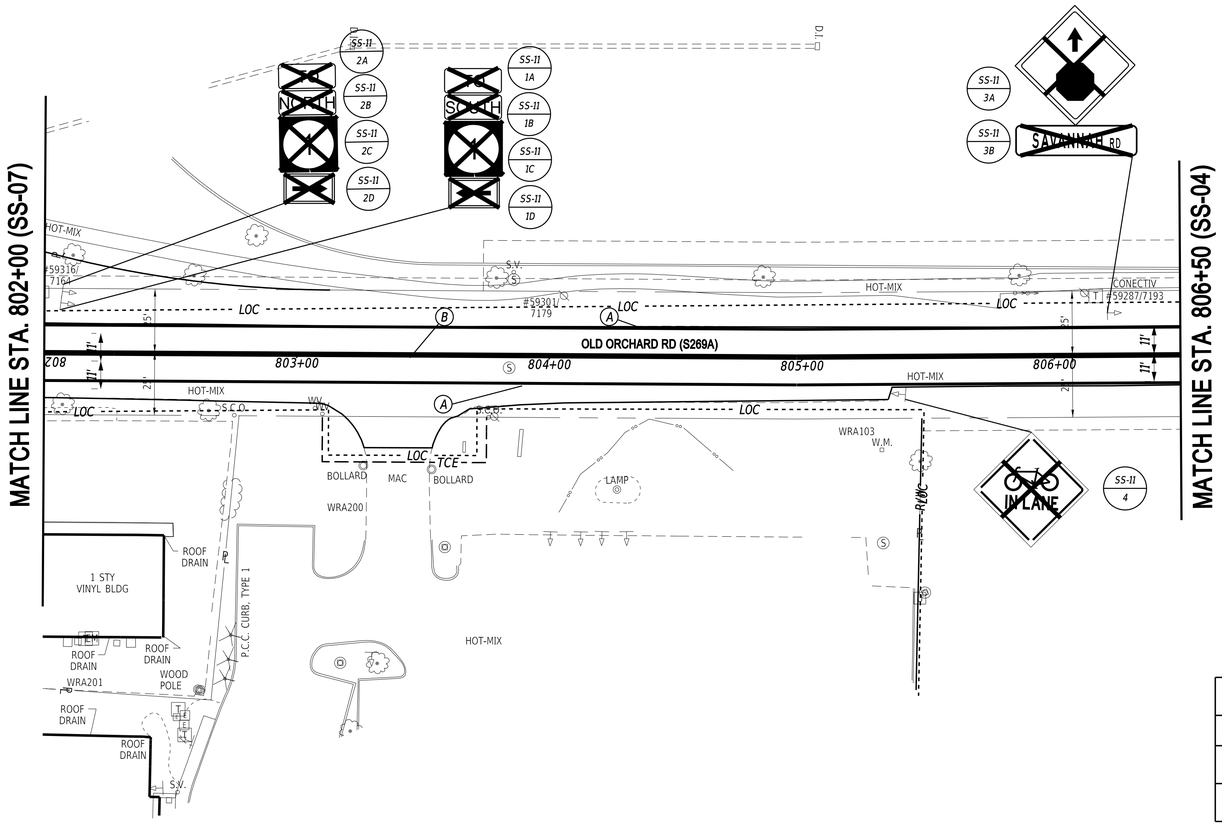
SCALE 0 30 60 90 FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY:	A. PHILLIPPI
COUNTY	CHECKED BY:	D. CARSON
SUSSEX		

SIGNING AND STRIPING PLANS

SS-10	
SECTION	WRA
SHEET NO.	176



PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	900 LF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, DOUBLE YELLOW 6" SOLID (ITEM 817042)	900 LF

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ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	SIGNING AND STRIPING PLANS	SS-11
				COUNTY SUSSEX	DESIGNED BY: A. PHILLIPPI		SECTION WRA
					CHECKED BY: D. CARSON		SHEET NO. 177

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 823001 INSTALLATION OF SIGN ON SPAN WIRE OR MAST ARM (SF) TRAFFIC CONTRACTOR ITEM, EXCEPT FOR PILOT PROJECTS	REMARKS
										SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL											
SS-01	1	R2-1-35(24)	1	SPEED LIMIT (35 MPH - 24x30)	24	30	5.0			RENEW	1	1				SOIL										
SS-01	2A	W2-1(30)	1	CROSS ROAD - 30x30	30	30				REMOVE	1															
SS-01	2B	W16-9P	1	ADVANCE STREET NAME (1 - line plaque)	36	9				REMOVE	1															"Marsh Rd"
SS-01	3A	M4-5(24)	1	TO - 24x12	24	12				REMOVE	1															
SS-01	3B	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24	12				REMOVE	1															
SS-01	3C	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24				REMOVE	1															" 1 "
SS-01	3D	M6-3(21)	1	DIRECTIONAL ARROW (Up) - 21x15	21	15				REMOVE	1															
SS-01	4A	W3-3(30)	1	SIGNAL AHEAD (Symbol) - 30x30	30	30	6.3			RENEW	1	1				SOIL										
SS-01	4B	W16-9P	1	ADVANCE STREET NAME (1 - line plaque)	48	9	3.0			RENEW	1	1														"Savannah Rd" - 4" C-Series
SS-01	5	R1-1(36)	1	STOP	36	36				REMOVE	1															
SS-01	6	SR1-15-DE	1	STATE PROPERTY NO TRESPASSING	24	12				REMAIN																
SS-01	7	SR1-15-DE	1	STATE PROPERTY NO TRESPASSING	24	12				REMAIN																
SS-01	8	SR1-15-DE	1	STATE PROPERTY NO TRESPASSING	24	12				REMAIN																
SS-01	9A	W2-1(48)	1	CROSS ROAD - 48x48	48	48				REMOVE	1															
SS-01	9B	W16-9P	1	ADVANCE STREET NAME (1 - line plaque)	36	9				REMOVE	1															"Marsh Rd"
SS-01	10	SR1-15-DE	1	STATE PROPERTY NO TRESPASSING	24	12				REMAIN																
SS-01	11	SR1-15-DE	1	STATE PROPERTY NO TRESPASSING	24	12				REMOVE	1															
SS-01	12	SR1-15-DE	1	STATE PROPERTY NO TRESPASSING	24	12				REMOVE	1															
SS-01	13A	R1-1(36)	1	STOP	36	36				REMOVE	1															
SS-01	13B	D3-1(12)	1	STREET NAME (1 Line) Posted speed ≤ 40 MPH	36	12				REMOVE	1															"Wescoats Rd"
SS-01	13C	D3-1(12)	1	STREET NAME (1 Line) Posted speed ≤ 40 MPH	36	12				REMOVE	1															"Marsh Rd"
SS-01	14A	W2-9(36)	1	CIRCULAR INTERSECTION - 36x36	36	36	9.0			NEW		1				SOIL	1									
SS-01	14B	W16-9P	1	ADVANCE STREET NAME (1 - line plaque)	36	9	2.3			NEW		1					1									"Marsh Rd" - 4" C-Series
SS-01	15	R1-2(36)	1	YIELD	36	36		3.9		NEW		1				SOIL	1									
SS-01	16	R4-7c	1	NARROW KEEP RIGHT	18	30	3.8			NEW		1				NEW CONCRETE	1									
SS-01	17A	D3-1(12)	1	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12	4.0			NEW		1					1									"Wescoats Rd" - 6" & 4" C-Series
SS-01	17B	M4-5(24)	1	TO - 24x12	24	12	2.0			NEW		1				NEW CONCRETE	1									
SS-01	17C	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24	4.0			NEW		1					1									" 1 "
SS-01	17D	M6-2_R(21)	1	DIRECTIONAL ARROW (Right - upward 45) - 21x15	21	15	2.2			NEW		1				NEW CONCRETE	1									
SS-01	18	R1-2(36)	1	YIELD	36	36		3.9		NEW		1				SOIL	1									
SS-01	19	D1-1d	1	CIRCULAR INTERSECTION DESTINATION (1 Line)	48	18	6.0			NEW		1				NEW CONCRETE	1									"Marsh Rd" - 6" D-Series
SS-01	20	R4-7c	1	NARROW KEEP RIGHT	18	30	3.8			NEW		1				NEW CONCRETE	1									
SS-01	21	R1-2(36)	1	YIELD	36	36		3.9		NEW		1				SOIL	1									
SS-01	22A	W11-2(30)	1	PEDESTRIAN (Symbol) - 30x30	30	30	6.3			NEW		1				SOIL	1									
SS-01	22B	W16-7P_L(24)	1	LEFT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24	12	2.0			NEW		1					1									
SS-01	23	R3-17	1	BIKE LANE (Symbol)	24	18	3.0			NEW		1				SOIL	1									
SS-01	24A	D3-1(12)	1	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12	4.0			NEW		1					1									"Westcoats Rd" - 6" & 4" C-Series
SS-01	24B	M4-5(24)	1	TO - 24x12	24	12	2.0			NEW		1					1									
SS-01	24C	M4-3(24)	1	BUSINESS - 24x12	24	12	2.0			NEW		1				NEW CONCRETE	1									
SS-01	24D	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24	4.0			NEW		1					1									" 9 "
SS-01	24E	M6-2_R(21)	1	DIRECTIONAL ARROW (Right - upward 45) - 21x15	21	15	2.2			NEW		1					1									
SS-01	25	R1-2(36)	1	YIELD	36	36		3.9		NEW		1				SOIL	1									
SS-01	26	R4-7c	1	NARROW KEEP RIGHT	18	30	3.8			NEW		1				NEW CONCRETE	1									
SS-01	27	D1-1d	1	CIRCULAR INTERSECTION DESTINATION (1 Line)	48	18	6.0			NEW		1				NEW CONCRETE	1									"Marsh Rd" - 6" D-Series
SS-01	28A	W11-2(36)	1	PEDESTRIAN (Symbol) - 36x36	36	36	9.0			NEW		1				SOIL	1									
SS-01	28B	W16-7P_L(24)	1	LEFT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24	12	2.0			NEW		1					1									
SS-01	29	R6-4	1	ROUNDABOUT DIRECTIONAL (2 chevrons)	30	24	5.0			NEW		1				SOIL	1									
SS-01	30	R6-4	1	ROUNDABOUT DIRECTIONAL (2 chevrons)	30	24	5.0			NEW		1				SOIL	1									
SS-01	31	R6-4	1	ROUNDABOUT DIRECTIONAL (2 chevrons)	30	24	5.0			NEW		1				SOIL	1									
SS-01	32	R6-4	1	ROUNDABOUT DIRECTIONAL (2 chevrons)	30	24	5.0			NEW		1				SOIL	1									
SS-01	33	D1-3	1	ROUNDABOUT EXIT DESTINATION	114	84	66.5						NEW		66.5	SOIL	2									SEE PLAN
SS-01	34	D1-3	1	ROUNDABOUT EXIT DESTINATION	60	48	20.0						NEW		20.0	SOIL	2									SEE PLAN
SS-01	35	R4-11	1	BICYCLES MAY USE FULL LANE	30	30	6.3			NEW		1				SOIL	1									
SS-01	36A	D1-3	1	ROUNDABOUT EXIT DESTINATION	114	84	66.5						NEW		66.5	SOIL	2									SEE PLAN
SS-01	36B	R4-11	1	BICYCLES MAY USE FULL LANE	30	30	6.3			NEW		1				SOIL	1									
SS-01	37	R4-11	1	BICYCLES MAY USE FULL LANE	30	30	6.3			NEW		1				SOIL	1									
SS-01	38	R7-1	1	NO PARKING ANY TIME	12	18				REPOSITION	1	1				SOIL	1									
SS-01	39 & 40	R7-1	2	NO PARKING ANY TIME	12	18				REPOSITION	2	2				SOIL	1									
SS-02	1A	R1-1(36)	1	STOP	36	36		7.5		RENEW	1	1				SOIL	1									
SS-02	1B	R3-1(24)	1	RIGHT TURN PROHIBITION (Symbol) - 24x24	24	24				NEW		1														
SS-02	2A	R1-1(36)	1	STOP	36	36				REMOVE	1															
SS-02	2B	D3-1(8)	1	STREET NAME (1 Line) Intersection of two subdivision streets	20	8				REMOVE	1															"Clay Rd"
SS-02	2C	D3-1(8)	1	STREET NAME (1 Line) Intersection of two subdivision streets	12	8				REMOVE	1															"Wescoats Rd"
		PAGE TOTALS					289	23	0		24	40		0	153		41	0	0	0		0	0	0	0	

ADDENDA / REVISIONS

NOT TO SCALE

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY:	A. PHILLIPPI
COUNTY	CHECKED BY:	D. CARSON
SUSSEX		

SIGN SCHEDULE

SS-12

SECTION	SHEET NO.
WRA	178

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8/29/2024 3:41:44 PM

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, 0-6" (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 823001 INSTALLATION OF SIGN ON SPAN WIRE OR MAST ARM (SF) TRAFFIC CONTRACTOR ITEM, EXCEPT FOR PILOT PROJECTS	REMARKS
										SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL											
SS-02	3A	M3-2(24)	1	CARDINAL DIRECTION - EAST - 24x12	24	12				NEW		1														
SS-02	3B	M4-3(24)	1	BUSINESS- 24x12	24	12				NEW		1				SOIL		1								
SS-02	3C	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24				NEW		1														"9"
SS-02	3D	D9-2(24)	1	HOSPITAL (Symbol) - 24x24	24	24	4.0			RENEW	1	1														
SS-02	3E	M6-1_R(21)	1	DIRECTIONAL ARROW (Right) - 21x15	21	15	2.2			RENEW	1	1														
SS-02	4A	R1-1(36)	1	STOP	36	36				REMOVE	1															
SS-02	4B	D3-1(8)	1	STREET NAME (1 Line) Intersection of two subdivision streets	12	8				REMOVE	1															"Wescoats Rd"
SS-02	4C	D3-1(8)	1	STREET NAME (1 Line) Intersection of two subdivision streets	12	8				REMOVE	1															"Savannah Rd"
SS-02	5	R5-1(30)	1	DO NOT ENTER - 30x30	30	30				REMOVE	1															
SS-02	6	R1-1(36)	1	STOP	36	36				REMOVE	1															
SS-02	7	R5-1(30)	1	DO NOT ENTER - 30x30	30	30				REMOVE	1															
SS-02	8A	D1-1	1	DESTINATION (1 Line)	30	18				REMOVE	1															"Lewes"
SS-02	8B	D9-2(24)	1	HOSPITAL (Symbol) - 24x24	24	24				REMOVE	1															
SS-02	8C	M6-1_L(21)	1	DIRECTIONAL ARROW (Left) - 21x15	21	15				REMOVE	1															
SS-02	8D	D3-2-DE2	1	DEVELOPMENT NAME	36	18				REMOVE	1															"LIGHTSHIP"
SS-02	9A	CUSTOM	1	"Lewes Historical Society Museums"	36	24				REMOVE	1															"LEWES HISTORICAL SOCIETY MUSEUMS"
SS-02	9B	D9-10(30)	1	TOURIST INFORMATION (Symbol) - 30x30	30	30				REMOVE	1															
SS-02	9C	M6-2_L(21)	1	DIRECTIONAL ARROW (Left - upward 45) - 21x15	21	15				REMOVE	1															
SS-02	10A	CUSTOM	1	"Fisher-Martin House"	36	18				REMOVE	1															"FISHER-MARTIN HOUSE"
SS-02	10B	M6-2_L(21)	1	DIRECTIONAL ARROW (Left - upward 45) - 21x15	21	15				REMOVE	1															
SS-02	11A	M4-5(24)	1	TO - 24x12	24	12	2.0			RENEW	1	1														
SS-02	11B	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24	12	2.0			RENEW	1	1				SOIL		1								
SS-02	11C	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24	4.0			RENEW	1	1														" 1 "
SS-02	11D	M6-1_R(21)	1	DIRECTIONAL ARROW (Right) - 21x15	21	15	2.2			RENEW	1	1														
SS-02	12A	R1-2(36)	1	YIELD	36	36		3.9		RENEW	1	1				SOIL	1									
SS-02	12B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	36	9				REMOVE	1															"To Traffic"
SS-02	13A	W2-3L(36)	1	SIDE ROAD (Oblique - Left) - 36x36	36	36				REMOVE	1															
SS-02	13B	W16-8aP	1	ADVANCE STREET NAME (2 - line plaque)	48	18				REMOVE	1															"CLAY RD RD 269"
SS-02	14A	R1-2(36)	1	YIELD	36	36				REMOVE	1															
SS-02	14B	R5-1(30)	1	DO NOT ENTER - 30x30	30	30				REMOVE	1															
SS-02	15	R2-1-40(24)	1	SPEED LIMIT (40 MPH - 24x30)	24	30				REMOVE	1															
SS-02	16	R1-1(18)	1	STOP	18	18				REMOVE	1															
SS-02	17	W2-1(30)	1	CROSS ROAD - 30x30	30	30				REMOVE	1															
SS-02	18A	W2-6(30)	1	CIRCULAR INTERSECTION - 30x30	30	30	6.3			NEW		1				SOIL	1									
SS-02	18B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	36	9	2.3			NEW		1					1									"Marsh Rd" - 4" C-Series
SS-02	19A	R1-1(36)	2	STOP	36	36		14.9		RENEW	2	2				SOIL	1									
SS-02	19B	R3-2(24)	2	LEFT TURN PROHIBITION (Symbol) - 24x24	24	24	8.0			RENEW	2	2														
SS-02	20A	R4-7c	1	NARROW KEEP RIGHT	18	30	3.8			NEW		1				SOIL	1									
SS-02	20B	R10-16	1	U-TURN YIELD TO RIGHT TURN	30	36	7.5			NEW		1				NEW CONCRETE	1									
SS-02	21	R1-2(36)	1	YIELD	36	36		3.9		NEW		1				SOIL	1									
SS-02	22	R1-2(36)	1	YIELD	36	36		3.9		NEW		1				SOIL	1									
SS-02	23	W9-2_L(36)	1	LANE ENDS MERGE LEFT - 36x36	36	36	9.0			NEW		1				SOIL	1									
SS-02	24 & 25	R5-1(30)	2	DO NOT ENTER - 30x30	30	30		12.5		NEW		2				SOIL	2									
SS-02	26	R2-1-35(24)	1	SPEED LIMIT (35 MPH - 24x30)	24	30	5.0			NEW		1				SOIL	1									
SS-02	27	R5-1(30)	1	DO NOT ENTER - 30x30	30	30				NEW		1				EX. CONCRETE	1		1							
SS-02	28	R5-1(30)	1	DO NOT ENTER - 30x30	30	30				NEW		1				SOIL	1									
SS-02	29A	M3-4(24)	1	CARDINAL DIRECTION - WEST - 24x12	24	12				NEW		1														
SS-02	29B	M4-3(24)	1	BUSINESS- 24x12	24	12				NEW		1				SOIL		1								
SS-02	29C	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24				NEW		1														" 9 "
SS-02	30A	M4-5(24)	1	TO - 24x12	24	12				NEW		1														
SS-02	30B	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24	12				NEW		1				SOIL		1								
SS-02	30C	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24				NEW		1														" 1 "
SS-02	30D	M6-1_R(21)	1	DIRECTIONAL ARROW (Right) - 21x15	21	15				NEW		1														
SS-02	31A	M3-4(24)	1	CARDINAL DIRECTION - WEST - 24x12	24	12				RENEW	1	1														
SS-02	31B	M4-3(24)	1	BUSINESS- 24x12	24	12				RENEW	1	1				SOIL		1								
SS-02	31C	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24				RENEW	1	1														" 9 "
SS-02	31D	M6-1_L(21)	1	DIRECTIONAL ARROW (Left) - 21x15	21	15				RENEW	1	1														
SS-02	32	D1-1d	1	CIRCULAR INTERSECTION DESTINATION (1 Line)	48	18				NEW		1				SOIL	1									"Clay Rd" - 8" & 6" B-Series
SS-02	33A	M2-1(21)	1	JUNCTION - 21x15	21	15				NEW		1				SOIL										
SS-02	33B	M4-3(24)	1	BUSINESS- 24x12	24	12				NEW		1						1								
SS-02	33C	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24				NEW		1														" 9 "
		PAGE TOTALS					58	39	0		38	41		0	0		15	6	1	0		0	0	0	0	

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ADDENDA / REVISIONS		NOT TO SCALE	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	SIGN SCHEDULE	SS-13
				COUNTY SUSSEX	DESIGNED BY: A. PHILLIPPI		SECTION WRA
					CHECKED BY: D. CARSON		SHEET NO. 179

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 SIGNPOST 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 823001 INSTALLATION OF SIGN ON SPAN WIRE OR MAST ARM (SF) TRAFFIC CONTRACTOR ITEM, EXCEPT FOR PILOT PROJECTS	REMARKS
										SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL											
SS-02	34	R7-1	1	NO PARKING ANY TIME	12	18				REPOSITION	1	1				SOIL	1									
SS-03	1A	W8-3(30)	1	SIGNAL AHEAD (Symbol) - 30x30	30	30	6.3			NEW		1				SOIL	1									
SS-03	1B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	48	9	3.0			NEW		1					1									"Savannah Rd" - 6" & 4" C-Series
SS-03	2	R2-1-35(24)	1	SPEED LIMIT (35 MPH - 24x30)	24	30	5.0			NEW		1				SOIL	1									
SS-03	3A	M8-2(24)	1	CARDINAL DIRECTION - EAST - 24x12	24	12				NEW		1														
SS-03	3B	M4-3(24)	1	BUSINESS - 24x12	24	12				NEW		1														
SS-03	3C	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24				NEW		1				SOIL		1								
SS-03	3D	D9-2(24)	1	HOSPITAL (Symbol) - 24x24	24	24				NEW		1														
SS-03	3E	M6-1_L(21)	1	DIRECTIONAL ARROW (Left) - 21x15	21	15				NEW		1														" 9 "
SS-03	4A	M8-4(24)	1	CARDINAL DIRECTION - WEST - 24x12	24	12				NEW		1														
SS-03	4B	M4-3(24)	1	BUSINESS - 24x12	24	12				NEW		1														
SS-03	4C	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24				NEW		1				SOIL	1									
SS-03	4D	M6-1_R(21)	1	DIRECTIONAL ARROW (Right) - 21x15	21	15				NEW		1														
SS-03	5A	M2-1(21)	1	JUNCTION - 21x15	21	15				NEW		1														" 9 "
SS-03	5B	M4-3(24)	1	BUSINESS - 24x12	24	12				NEW		1				SOIL	1									
SS-03	5C	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24				NEW		1														" 9 "
SS-04	1A	R1-1(36)	1	STOP	36	36		7.5		RENEW	1	1														
SS-04	1B	D3-1-DE1	1	PRIVATE STREET NAME	48	6	2.0			RENEW	1	1				SOIL	1									"E Austin St" - 6" & 4" C-Series
SS-04	1C	D3-1(12)	1	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12	4.0			RENEW	1	1														"Old Orchard Rd" - 6" & 4" B-Series
SS-04	2A	D3-2-DE1	1	WELCOME TO	36	32				REMOVE	1															
SS-04	2B	D3-2-DE2	1	DEVELOPMENT NAME	36	18				REMOVE	1															"Village Of Five Points"
SS-04	3	R1-1(36)	1	STOP	36	36		7.5		NEW		1				SOIL	1									
SS-04	4A	R1-1(36)	1	STOP	36	36		7.5		NEW		1														
SS-04	4B	D3-1(12)	1	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12				NEW		1				SOIL	1									"Old Orchard Rd" - 6" & 4" B-Series
SS-04	4C	D3-1-DE1	1	PRIVATE STREET NAME	48	6				NEW		1														"E Austin St" - 6" & 4" C-Series
SS-04	5	SR1-16-DE	1	STOP (shared-use path only)	24	42	7.0			NEW		1				SOIL	1									
SS-04	6	SR1-16-DE	1	STOP (shared-use path only)	24	42	7.0			NEW		1				SOIL	1									
SS-04	7	SR1-16-DE	1	STOP (shared-use path only)	24	42	7.0			NEW		1				SOIL	1									
SS-04	8	SR1-16-DE	1	STOP (shared-use path only)	24	42	7.0			NEW		1				SOIL	1									
SS-05	1A	R1-1(36)	1	STOP	36	36				REMAIN																
SS-05	1B	D3-1(12)	1	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12				REMAIN																"Old Orchard Rd" - 6" & 4" B-Series
SS-05	1C	D3-1-DE1	1	PRIVATE STREET NAME	48	6				REMAIN																"E Chesapeake St" - 6" & 4" B-Series
SS-05	2A	W11-2(30)	1	PEDESTRIAN (Symbol) - 30x30	30	30	6.3			RENEW	1	1				SOIL	1									
SS-05	2B	W16-7P_L(24)	1	LEFT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24	12	2.0			RENEW	1	1														
SS-05	3	R2-1-35(24)	1	SPEED LIMIT (35 MPH - 24x30)	24	30	5.0			NEW		1				SOIL	1									
SS-05	4A	W11-2(36)	1	PEDESTRIAN (Symbol) - 36x36	36	36	9.0			RENEW	1	1				SOIL	1									
SS-05	4B	W16-9P(24)	1	AHEAD (plaque) - 24x12	24	12	2.0			RENEW	1	1														
SS-05	5A	W11-2(30)	1	PEDESTRIAN (Symbol) - 30x30	30	30	6.3			NEW		1				SOIL	1									
SS-05	5B	W16-9P(24)	1	AHEAD (plaque) - 24x12	24	12	2.0			NEW		1														
SS-05	6A	R1-1(36)	1	STOP	36	36				REMAIN																
SS-05	6B	D3-1(12)	1	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12				REMAIN																"Old Orchard Rd" - 6" & 4" B-Series
SS-05	6C	D3-1-DE1	1	PRIVATE STREET NAME	48	6				REMAIN																"E Chesapeake St" - 6" & 4" B-Series
SS-05	7A	W11-2(36)	1	PEDESTRIAN (Symbol) - 36x36	36	36	9.0			RENEW	1	1				SOIL										
SS-05	7B	W16-7P_L(24)	1	LEFT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24	12	2.0			RENEW	1	1														
SS-05	8A	R1-1(36)	1	STOP	36	36		7.5		RENEW	1	1				SOIL										
SS-05	8B	D3-1(12)	1	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12	4.0			RENEW	1	1														"Old Orchard Rd" - 6" & 4" B-Series
SS-05	8C	D3-1-DE1	1	PRIVATE STREET NAME	48	6	2.0			RENEW	1	1														"Parker Run" - 6" & 4" C-Series
SS-05	9A	D3-1(12)	1	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12				REMAIN																"Old Orchard Rd" - 6" & 4" B-Series
SS-05	9B	D3-1-DE1	1	PRIVATE STREET NAME	48	6				REMAIN																"Parker Run" - 6" & 4" C-Series
SS-05	10	SR1-16-DE	1	STOP (shared-use path only)	24	42	7.0			NEW		1				SOIL	1									
SS-05	11	SR1-16-DE	1	STOP (shared-use path only)	24	42	7.0			NEW		1				SOIL	1									
SS-05	12	SR1-16-DE	1	STOP (shared-use path only)	24	42	7.0			NEW		1				SOIL	1									
SS-05	13A	D3-2-DE1	1	WELCOME TO	36	32	8.0			NEW		1				SOIL	1									
SS-05	13B	D3-2-DE2	1	DEVELOPMENT NAME	36	32	8.0			NEW		1														"Villages Of Five Points"
SS-05	14	SR1-16-DE	1	STOP (shared-use path only)	24	42	7.0			NEW		1				SOIL	1									
SS-05	15	SR1-16-DE	1	STOP (shared-use path only)	24	42				NEW		1				SOIL	1									
SS-05	16	SR1-16-DE	1	STOP (shared-use path only)	24	42				NEW		1				SOIL	1									
SS-06	1A	W11-15(30)	1	BIKE - PEDESTRIAN (Symbol) - 30x30	30	30				REMOVE	1															
SS-06	1B	W16-7P_L(24)	1	LEFT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24	12				REMOVE	1															
SS-06	2A	W11-15(30)	1	BIKE - PEDESTRIAN (Symbol) - 30x30	30	30				REMOVE	1															
		PAGE TOTALS					142	30	0		18	47		0	0		24	1	0	0		0	0	0	0	

ADDENDA / REVISIONS

NOT TO SCALE

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	T201609601
COUNTY	SUSSEX
BRIDGE NO.	N/A
DESIGNED BY:	A. PHILLIPPI
CHECKED BY:	D. CARSON

SIGN SCHEDULE

SS-14
SECTION
WRA
SHEET NO.
180

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PERMANENT SIGN SCHEDULE - ROADWAY+B197:AR241

SHEET NO.	PLAN IDENTIFIER	SIGN DESIGNATION	QTY.	DESCRIPTION	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	X13 / ITEM 818001 FLAT SHEET ALUMINUM, TYPE I V, RETROREFLECTIVE SHEETING (SF)	X14 / ITEM 818003 FLAT SHEET ALUMINUM, TYPE IX, 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 823001 INSTALLATION OF SIGN ON SPAN WIRE OR MAST ARM (SF) TRAFFIC CONTRACTOR ITEM, EXCEPT FOR PILOT PROJECTS	REMARKS
										SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL											
SS-06	2B	W16-7P_L(24)	1	LEFT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24	12				REMOVE	1															
SS-06	3	R1-5_L	1	YIELD HERE TO PEDESTRIANS (Left with Pedestrian Symbol)	36	36				REMAIN																
SS-06	4A	D11-1	1	BIKE ROUTE	24	18	3.0			NEW		1				SOIL	1									
SS-06	4B	M6-4(B)	1	DIRECTIONAL ARROW AUXILIARY (Left and Right) - 12x9	12	9	0.8			NEW		1														
SS-06	5	R1-5_L	1	YIELD HERE TO PEDESTRIANS (Left with Pedestrian Symbol)	36	36	9.0			RENEW	1	1				SOIL	1									
SS-06	6	SR1-16-DE	1	STOP (shared-use path only)	24	42				REMOVE	1															
SS-06	7	SR1-16-DE	1	STOP (shared-use path only)	24	42				REMOVE	1															
SS-06	8	W3-1(30)	1	STOP AHEAD (Symbol) - 30x30	30	30				REMAIN																
SS-06	9	SR1-16-DE	1	STOP (shared-use path only)	24	42	7.0			NEW		1				SOIL	1									
SS-06	10	SR1-16-DE	1	STOP (shared-use path only)	24	42	7.0			NEW		1				SOIL	1									
SS-06	11A	D11-1	1	BIKE ROUTE	24	18	3.0			NEW		1				SOIL	1									
SS-06	11B	M6-4(B)	1	DIRECTIONAL ARROW AUXILIARY (Left and Right) - 12x9	12	9	0.8			NEW		1														
SS-06	12A	W11-15(30)	1	BIKE - PEDESTRIAN (Symbol) - 30x60	30	30	6.3			NEW		1				SOIL	1									
SS-06	12B	W16-9P(24)	1	AHEAD (plaque) - 24x12	24	12	2.0			NEW		1														
SS-06	13A	W11-15(30)	1	BIKE - PEDESTRIAN (Symbol) - 30x60	30	30				NEW		1				SOIL	1									
SS-06	13B	W11-15P(24)	1	TRAIL X-ING (plaque) - 24x18	24	18				NEW		1														
SS-06	13C	W16-7P_L(24)	1	LEFT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24	12				NEW		1														
SS-06	14A	W11-15(30)	1	BIKE - PEDESTRIAN (Symbol) - 30x60	30	30				NEW		1				SOIL	1									
SS-06	14B	W11-15P(24)	1	TRAIL X-ING (plaque) - 24x18	24	18				NEW		1														
SS-06	14C	W16-7P_L(24)	1	LEFT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24	12				NEW		1														
SS-06	15A	W11-15(30)	1	BIKE - PEDESTRIAN (Symbol) - 30x60	30	30				RENEW	1	1				SOIL	1									
SS-06	15B	W11-15P(24)	1	TRAIL X-ING (plaque) - 24x18	24	18				RENEW	1	1														
SS-06	15C	W16-2aP(24)	1	XX FT (plaque) - 24x12	24	12				RENEW	1	1														"300 FT"
SS-06	16A	D3-2-DE1	1	WELCOME TO	36	32				REMAIN																
SS-06	16B	D3-2-DE2	1	DEVELOPMENT NAME	36	32				REMAIN																"Oyster Cove"
SS-06	17A	W11-15(30)	1	BIKE - PEDESTRIAN (Symbol) - 30x60	30	30				REMOVE	1															
SS-06	17B	W11-15P(24)	1	TRAIL X-ING (plaque) - 24x18	24	18				REMOVE	1															
SS-06	17C	W16-2aP(24)	1	XX FT (plaque) - 24x12	24	12				REMOVE	1															"300 FT"
SS-06	18A	CUSTOM	1	Trail Crossing	24	24				RENEW	1	1				SOIL	1									"LEWES GEORGETOWN TRAIL CROSSING"
SS-06	18B	CUSTOM	1		18	24				RENEW	1	1														
SS-07	1A	D3-2-DE1	1	WELCOME TO	36	32				REMAIN																
SS-07	1B	D3-2-DE2	1	DEVELOPMENT NAME	36	24				REMAIN																"Villages Of Five Points"
SS-07	2	W3-3(48)	1	SIGNAL AHEAD (Symbol) - 48x48	48	48				REMAIN																
SS-07	3A	M4-5(24)	1	TO - 24x12	24	12	2.0			RENEW	1	1														
SS-07	3B	M8-1(24)	1	CARDINAL DIRECTION - NORTH - 24x12	24	12	2.0			RENEW	1	1				SOIL	1									
SS-07	3C	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24	4.0			RENEW	1	1														"1"
SS-07	3D	M6-3(21)	1	DIRECTIONAL ARROW (Up) - 21x15	21	15	2.2			RENEW	1	1														
SS-07	4A	M8-3(24)	1	BUSINESS - 24x12	24	12				REMOVE	1															
SS-07	4B	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24				REMOVE	1															"9"
SS-07	5	R1-1(36)	1	STOP	36	36				REMOVE	1															
SS-07	6A	R1-1(36)	1	STOP	36	36				REMOVE	1															
SS-07	6B	D3-1(12)	1	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12				REMOVE	1															"Old Orchard Rd"
SS-07	6C	D3-1(12)	1	STREET NAME (1 Line) Posted speed ≤ 40 MPH	42	12				REMOVE	1															"Savannah Rd"
SS-07	7	R2-1-35(24)	1	SPEED LIMIT (35 MPH - 24x30)	24	30				REMOVE	1															
SS-07	8	R2-1-35(24)	1	SPEED LIMIT (35 MPH - 24x30)	24	30				REMAIN																
SS-07	9	R1-1(36)	1	STOP	36	36				NEW		1				SOIL	1									
SS-07	10	R4-4	1	BEGIN RIGHT TURN LANE YIELD TO BIKES	36	30				REMOVE	1															
SS-07	11	R1-1(30)	1	STOP	30	30				REMOVE	1															
SS-07	12A	M4-5(24)	1	TO - 24x12	24	12	2.0			RENEW	1	1														
SS-07	12B	M8-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24	12	2.0			RENEW	1	1				SOIL		1								
SS-07	12C	M1-4(24)	1	US ROUTE (2 - Digit Sign) - 24x24	24	24	4.0			RENEW	1	1														"1"
SS-07	12D	M6-1_R(21)	1	DIRECTIONAL ARROW (Right) - 21x15	21	15	2.2			RENEW	1	1														
SS-07	13	R4-4	1	BEGIN RIGHT TURN LANE YIELD TO BIKES	36	30				REMOVE	1															
SS-07	14A	W3-3(48)	1	SIGNAL AHEAD (Symbol) - 48x48	48	48	16.0			RENEW	1	1				SOIL	1									
SS-07	14B	W16-8aP	1	ADVANCE STREET NAME (2 - line plaque)	48	18	6.0			ADD TO ASSEMBLY		1														"< Old Orchard Rd/Wescoats Rd >" - 4" C-Series
SS-07	15	R1-1(36)	1	STOP	36	36				REMOVE	1															
SS-07	16	R1-2(36)	1	YIELD	36	36				REMOVE	1															
SS-07	17	R4-4	1	BEGIN RIGHT TURN LANE YIELD TO BIKES	36	30				REMOVE	1															
SS-07	18	W2-1(36)	1	CROSS ROAD - 36x36	36	36				REMOVE	1															
SS-07	19A	R1-2(36)	1	YIELD	36	36		3.9		NEW		1				SOIL		1								
SS-07	19B	R3-5_R	1	MANDATORY MOVEMENT LANE CONTROL - Right	30	36				NEW		1														
PAGE TOTALS							81	4	0		35	33		0	0		13	2	0	0		0	0	0	0	

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ADDENDA / REVISIONS

NOT TO SCALE

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	T201609601
COUNTY	SUSSEX
BRIDGE NO.	N/A
DESIGNED BY:	A. PHILLIPPI
CHECKED BY:	D. CARSON

SIGN SCHEDULE

SS-15

SECTION	WRA
SHEET NO.	181

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' SIGN POSTS W/ BASEPOSTS & HARDWARE (EACH)	X17 / ITEM 819023 15' SIGN POSTS 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 SUPPL*)	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 823001 INSTALLATION OF SIGN ON SPAN WIRE OR MAST ARM (SF) TRAFFIC CONTRACTOR ITEM, EXCEPT FOR PILOT PROJECTS	REMARKS
										SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL											
SS-07	20	W4-2_R(36)	1	LANE ENDS (Right) - 36x36	36	36	9.0			NEW		1				SOIL	1									
SS-07	21	R1-1(36)	1	STOP	36	36		7.5		NEW		1				SOIL	1									
SS-07	22	R1-1(36)	1	STOP	36	36				NEW		1				SOIL	1									
SS-07	23	R1-1(36)	1	STOP	36	36				REMAIN																
SS-07	24A	W1-6_R(48)	1	ONE DIRECTIONAL LARGE ARROW (Right) - 48x24	48	24				NEW		1				SOIL	1									
SS-07	24B	OM1-3	1	TYPE 1 OBJECT MARKER	18	18				NEW		1														
SS-07	24A	W1-6_L(48)	1	ONE DIRECTIONAL LARGE ARROW (Left) - 48x24	48	24				NEW		1				SOIL	1									
SS-07	24B	OM1-3	1	TYPE 1 OBJECT MARKER	18	18				NEW		1														
SS-07	25-29	CUSTOM	5	Private Parking Sign	12	18				REMOVE	5															
SS-07	30	CUSTOM	1	Private Parking Sign	12	18				REMOVE	1															
SS-07	31 & 32	CUSTOM	2	Private Parking Sign	12	18				REMAIN																
SS-08	1	R4-11	1	BICYCLES MAY USE FULL LANE	30	30				NEW		1				SOIL	1									
SS-08	2A	OM3-L	1	TYPE 3 OBJECT MARKER	12	36				REMAIN																
SS-08	2B	OM3-R	1	TYPE 3 OBJECT MARKER	12	36				REMAIN																
SS-08	3A	D3-1(12)	1	STREET NAME (1 Line) Posted speed ≤ 40 MPH	48	12	4.0			NEW		1				SOIL	1									
SS-08	3B	R1-1(36)	1	STOP	48	36		7.5		NEW		1														
SS-08	4	D4-3-DE	1	BUS STOP (REQUESTS FOR FABRICATION THRU DART TRANSIT AT 302-576-6132)	12	18				REMOVE	1															"Bayview Medical Dr" - 6" & 4" C-Series
SS-08	5A	D1-3	1	DESTINATION (3 Line)	72	42							REMAIN													"TO SR 1 South / Rehoboth Beach/ Lewes Beach"
SS-08	5B	D1-1	1	DESTINATION (1 Line)	72	18							REMAIN													"Next Left"
SS-08	6	R1-1(36)	1	STOP	36	36				REMOVE	1															
SS-08	7	D3-2(30)	1	ADVANCE STREET NAME (2 Line)	12	30				REMOVE	1															"BAYVIEW MEDICAL DR"
SS-08	8A	M4-5(24)	1	TO - 24x12	24	12	2.0			RENEW	1	1														
SS-08	8B	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24	12	2.0			RENEW	1	1				SOIL		1								
SS-08	8C	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24	4.0			RENEW	1	1														" 1 "
SS-08	8D	M6-1_L(21)	1	DIRECTIONAL ARROW (Left) - 21x15	21	15	2.2			RENEW	1	1														
SS-08	8E	EM-1-DE	1	EVACUATION ROUTE	24	24	4.0			RENEW	1	1														
SS-08	8F	M6-3(B)	1	DIRECTIONAL ARROW (Up) - 12x9	12	9	0.8			RENEW	1	1														
SS-08	8G	M4-5(24)	1	TO - 24x12	24	12	2.0			RENEW	1	1				SOIL		1								
SS-08	8H	M3-1(24)	1	CARDINAL DIRECTION - NORTH - 24x12	24	12	2.0			RENEW	1	1														
SS-08	8I	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24	4.0			RENEW	1	1														" 1 "
SS-08	8J	M6-3(B)	1	DIRECTIONAL ARROW (Up) - 12x9	12	9	0.8			RENEW	1	1														
SS-08	9	R2-1-35(24)	1	SPEED LIMIT (35 MPH - 24x30)	24	30				REMAIN																
SS-08	10A	W3-3(48)	1	SIGNAL AHEAD (Symbol) - 48x48	48	48				NEW		1														
SS-08	10B	W16-8aP	1	ADVANCE STREET NAME (2 - line plaque)	48	18	6.0			NEW		1				SOIL	1									"Wescoats Rd" "Old Orchard Rd" - 6" & 4" C-Series
SS-08	11	D4-3-DE	1	BUS STOP (REQUESTS FOR FABRICATION THRU DART TRANSIT AT 302-576-6132)	12	18				NEW		1				SOIL	1									" 632 ", Two-sided sign-face post
SS-08	12	D4-3-DE	1	BUS STOP (REQUESTS FOR FABRICATION THRU DART TRANSIT AT 302-576-6132)	12	18				REMOVE	1															" 631 ", Two-sided sign-face post
SS-08	13	D4-3-DE	1	BUS STOP (REQUESTS FOR FABRICATION THRU DART TRANSIT AT 302-576-6132)	12	18				NEW		1				SOIL	1									" 631 ", Two-sided sign-face post
SS-08	14	R2-1-35(24)	1	SPEED LIMIT (35 MPH - 24x30)	24	30				RENEW	1	1				SOIL	1									
SS-08	15	R1-1(36)	1	STOP	36	36				REMAIN																
SS-08	16	R1-1(36)	1	STOP	36	36				REMAIN																
SS-09	1A	W3-1(48)	1	STOP AHEAD (Symbol) - 48x48	48	48				REMAIN																
SS-09	1B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	48	9				REMAIN																"Coastal Hwy"
SS-09	2A	W3-1(48)	1	STOP AHEAD (Symbol) - 48x48	48	48				REMOVE	1															
SS-09	2B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	48	9				REMOVE	1															"Wescoats Rd" - 6" & 4" C-Series
SS-09	3A	W2-6(30)	1	CIRCULAR INTERSECTION - 30x30	30	30	6.3			NEW		1				SOIL	1									
SS-09	3B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	48	9	3.0			NEW		1														"Wescoats Rd" - 4" C-Series
SS-09	4	D1-3	1	DESTINATION (3 Line)	114	84	66.5						NEW		66.5	SOIL	2									"To Business 9" "Marsh Rd East" "To 1"
SS-09	5	R1-1(36)	1	STOP	36	36		7.5		NEW		1				SOIL	1									
SS-09	6	SR1-17-DE	1	YIELD (shared-use path only)	24	42				REMOVE	1					SOIL										
SS-10	1	SR1-15-DE	1	STATE PROPERTY NO TRESPASSING	24	12	2.0			RENEW	1	1				SOIL	1									
SS-10	2	SR1-15-DE	1	STATE PROPERTY NO TRESPASSING	24	12	2.0			RENEW	1	1				SOIL	1									
SS-10	3	SR1-15-DE	1	STATE PROPERTY NO TRESPASSING	24	12	2.0			RENEW	1	1				SOIL	1									
SS-10	4	SR1-15-DE	1	STATE PROPERTY NO TRESPASSING	24	12	2.0			RENEW	1	1				SOIL	1									
SS-10	5	SR1-15-DE	1	STATE PROPERTY NO TRESPASSING	24	12	2.0			RENEW	1	1				SOIL	1									
SS-10	6A	R1-1(30)	1	STOP	30	30				REMOVE	1															
SS-10	6B	D3-1(12)	1	STREET NAME (1 Line) Posted speed ≤ 40 MPH	36	12				REMOVE	1															"Clay Rd"
SS-10	6C	D3-1(12)	1	STREET NAME (1 Line) Posted speed ≤ 40 MPH	30	12				REMOVE	1															"Marsh Rd"
SS-10	7	SR1-15-DE	2	STATE PROPERTY NO TRESPASSING	24	12	4.0			RENEW	2	2				SOIL										
SS-10	8	SR1-15-DE	2	STATE PROPERTY NO TRESPASSING	24	12	4.0			RENEW	2	2				SOIL										
SS-10	9A	W1-10_L_FY(48)	1	COMBINATION HORIZONTAL ALIGNMENT/INTERSECTION (Left) - 48x48 (Fluorescent Yellow)	48	48				REMOVE	1															
SS-10	9B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	36	9				REMOVE	1															"Marsh Rd"
SS-10	10A	D3-1(12)	1	STREET NAME (1 Line) Posted speed ≤ 40 MPH	30	12				REMOVE	1															"McNicol Rd"
SS-10	10B	D3-1(12)	1	STREET NAME (1 Line) Posted speed ≤ 40 MPH	42	12				REMOVE	1															"Clay Rd"
		PAGE TOTALS					136	22	0		40	37		0	67		21	2	0	0		0	0	0	0	

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ADDENDA / REVISIONS

NOT TO SCALE

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	T201609601
COUNTY	SUSSEX
BRIDGE NO.	N/A
DESIGNED BY:	A. PHILLIPPI
CHECKED BY:	D. CARSON

SIGN SCHEDULE

	SS-16
SECTION	WRA
SHEET NO.	182

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' SIGN POSTS W/ BASE POSTS & HARDWARE (EACH)	X17 / ITEM 819023 15' SIGN POSTS W/ BASE POSTS & 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 823001 INSTALLATION OF SIGN ON SPAN WIRE OR MAST ARM (SF) TRAFFIC CONTRACTOR ITEM, EXCEPT FOR PILOT PROJECTS	REMARKS
										SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL											
SS-10	11A	W3-1(30)	1	STOP AHEAD (Symbol) - 30x30	30	30				REMOVE	1															
SS-10	11B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	48	9				REMOVE	1															"Wescoats Rd"
SS-10	12	R2-1-35(24)	1	SPEED LIMIT (35 MPH - 24x30)	24	30				REMOVE	1															
SS-10	13A	W1-10a_R_FY(48)	1	COMBINATION HORIZONTAL ALIGNMENT/INTERSECTION (Right) - 48x48 (Fluorescent Yellow)	48	48				REMOVE	1															
SS-10	13B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	36	9				REMOVE	1															"Marsh Rd"
SS-10	13C	W13-1P-30(18)	1	ADVISORY SPEED (30 MPH) 18x18	18	18				REMOVE	1															
SS-10	14	R1-1(30)	1	STOP	30	30				REMOVE	1															
SS-10	15	R1-1(30)	1	STOP	30	30				REMOVE	1															
SS-10	16A	W14-2a_L	1	NO OUTLET (Arrow left)	36	8	2.0			NEW		1														
SS-10	16B	W14-2a_R	1	NO OUTLET (Arrow right)	36	8				NEW		1														
SS-10	16C	D3-1(12)	1	STREET NAME (1 Line) Posted speed ≤ 40 MPH	30	12				NEW		1					SCIL	1								"Clay Rd" - 6" & 4" C-Series
SS-10	16D	D3-1(12)	1	STREET NAME (1 Line) Posted speed ≤ 40 MPH	42	12				NEW		1														"Marsh Rd" - 6" & 4" C-Series
SS-10	16E	R1-1(36)	1	STOP	36	36				NEW		1														
SS-10	17A	W2-6(30)	1	CIRCULAR INTERSECTION - 30x30	30	30	6.3			NEW		1					SCIL	1								
SS-10	17B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	48	9	3.0			NEW		1														"Wescoats Rd" - 4" C-Series
SS-10	18A	W1-10_L_FY(48)	1	COMBINATION HORIZONTAL ALIGNMENT/INTERSECTION (Left) - 48x48 (Fluorescent Yellow)	48	48		16.0		NEW			NEW		16.0		SCIL	2								
SS-10	18B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	36	9	2.3			NEW		1														"Clay Rd" - 4" C-Series
SS-10	19A	W1-10_L_FY(48)	1	COMBINATION HORIZONTAL ALIGNMENT/INTERSECTION (Left) - 48x48 (Fluorescent Yellow)	48	48		16.0		NEW			NEW		16.0		SCIL	2								
SS-10	19B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	30	9	1.9			NEW		1														"Clay Rd" - 4" C-Series
SS-10	20	W14-2(30)	1	NO OUTLET - 30x30	30	30	6.3			NEW		1					SCIL	1								
SS-10	21	R1-1(36)	1	STOP	36	36				REMOVE	1															
SS-10	22A	D3-1(12)	1	STREET NAME (1 Line) Posted speed ≤ 40 MPH	30	12	2.5			NEW		1														"McNicol Rd"
SS-10	22B	D3-1(12)	1	STREET NAME (1 Line) Posted speed ≤ 40 MPH	42	12	3.5			NEW		1					SCIL	1								"Clay Rd"
SS-10	22C	W14-2a_R		NO OUTLET (Arrow right)	36	8				NEW																
SS-10	23A	W3-1(30)	1	STOP AHEAD (Symbol) - 30x30	30	30				REMOVE	1															
SS-10	23B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	48	9				REMOVE	1															"Wescoats Rd"
SS-11	1A	M1-5(24)	1	TO - 24x12	24	12				REMOVE	1															
SS-11	1B	M3-3(24)	1	CARDINAL DIRECTION - SOUTH - 24x12	24	12				REMOVE	1															
SS-11	1C	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24				REMOVE	1															" 1 "
SS-11	1D	M6-1_L(21)	1	DIRECTIONAL ARROW (Left) - 21x15	21	15				REMOVE	1															
SS-11	2A	M1-5(24)	1	TO - 24x12	24	12				REMOVE	1															
SS-11	2B	M3-1(24)	1	CARDINAL DIRECTION - NORTH - 24x12	24	12				REMOVE	1															
SS-11	2C	M1-5(24)	1	STATE ROUTE (2 - Digit Sign) - 24x24	24	24				REMOVE	1															" 1 "
SS-11	2D	M6-1_R(21)	1	DIRECTIONAL ARROW (Right) - 21x15	21	15				REMOVE	1															
SS-11	3A	W3-1(48)	1	STOP AHEAD (Symbol) - 48x48	48	48				REMOVE	1															
SS-11	3B	W16-8P	1	ADVANCE STREET NAME (1 - line plaque)	48	9				REMOVE	1															"SAVANNAH RD"
SS-11	4	W11-1-DE(36)	1	BICYCLE (Symbol) IN LANE - 36x36	36	36				REMOVE	1															
SG-01	S-1	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	78	18																NEW (OVERHEAD)	19.5			19.5	"Wescoats Rd" Attached to Mast Arm - 8" & 6" D-SERIES - TO BE INSTALLED BY TRAFFIC (BACK TO BACK), FREE SWINGING MOUNTS
SG-01	S-2	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	96	18																NEW (OVERHEAD)	24.0			24.0	"Old Orchard Rd" Attached to Mast Arm - 8" & 6" D-SERIES - TO BE INSTALLED BY TRAFFIC (BACK TO BACK), FREE SWINGING MOUNTS
SG-01	S-3	R10-16	1	U-TURN YIELD TO RIGHT TURN (OVERHEAD)	30	36																NEW (OVERHEAD)	7.5			7.5	
SG-01	S-4	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	72	18																NEW (OVERHEAD)	18.0			18.0	"Savannah Rd" Attached to Mast Arm - 8" & 6" D-SERIES - TO BE INSTALLED BY TRAFFIC (BACK TO BACK), FREE SWINGING MOUNTS
SG-01	S-5	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	72	18																NEW (OVERHEAD)	18.0			18.0	"Savannah Rd" Attached to Mast Arm - 8" & 6" D-SERIES - TO BE INSTALLED BY TRAFFIC (BACK TO BACK), FREE SWINGING MOUNTS
SG-02	S-1	W11-2(30)	1	PEDESTRIAN (Symbol) - 30x30	30	30																NEW (POLE)	6.3	6.3			
SG-02	S-2	W16-7P_R(24)	1	RIGHT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24	12																NEW (POLE)	2.0	2.0			
SG-02	S-3	W11-2(30)	1	PEDESTRIAN (Symbol) - 30x30	30	30																NEW (POLE)	6.3	6.3			
SG-02	S-4	W16-7P_L(24)	1	LEFT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24	12																NEW (POLE)	2.0	2.0			
SG-02	S-5	W11-2(30)	1	PEDESTRIAN (Symbol) - 30x30	30	30																NEW (POLE)	6.3	6.3			
SG-02	S-6	W16-7P_R(24)	1	RIGHT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24	12																NEW (POLE)	2.0	2.0			
SG-02	S-7	W11-2(30)	1	PEDESTRIAN (Symbol) - 30x30	30	30																NEW (POLE)	6.3	6.3			
SG-02	S-8	W16-7P_L(24)	1	LEFT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24	12																NEW (POLE)	2.0	2.0			
SG-02	S-9	W11-2(30)	1	PEDESTRIAN (Symbol) - 30x30	30	30																NEW (POLE)	6.3	6.3			
SG-02	S-10	W16-7P_R(24)	1	RIGHT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24	12																NEW (POLE)	2.0	2.0			
SG-02	S-11	W11-2(30)	1	PEDESTRIAN (Symbol) - 30x30	30	30																NEW (POLE)	6.3	6.3			
SG-02	S-12	W16-7P_L(24)	1	LEFT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24	12																NEW (POLE)	2.0	2.0			
SG-03	S-1	W11-2(30)	1	PEDESTRIAN (Symbol) - 30x30	30	30																NEW (POLE)	6.3	6.3			
SG-03	S-2	W16-7P_R(24)	1	RIGHT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24	12																NEW (POLE)	2.0	2.0			
SG-03	S-3	W11-2(30)	1	PEDESTRIAN (Symbol) - 30x30	30	30																NEW (POLE)	6.3	6.3			
SG-03	S-4	W16-7P_L(24)	1	LEFT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24	12																NEW (POLE)	2.0	2.0			
SG-03	S-5	W11-2(30)	1	PEDESTRIAN (Symbol) - 30x30	30	30																NEW (POLE)	6.3	6.3			
SG-03	S-6	W16-7P_R(24)	1	RIGHT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24	12																NEW (POLE)	2.0	2.0			
SG-03	S-7	W11-2(30)	1	PEDESTRIAN (Symbol) - 30x30	30	30																NEW (POLE)	6.3	6.3			
SG-03	S-8	W16-7P_L(24)	1	LEFT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24	12																NEW (POLE)	2.0	2.0			
SG-03	S-9	W11-2(30)	1	PEDESTRIAN (Symbol) - 30x30	30	30																NEW (POLE)	6.3	6.3			
SG-03	S-10	W16-7P_R(24)	1	RIGHT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24	12																NEW (POLE)	2.0	2.0			
SG-03	S-11	W11-2(30)	1	PEDESTRIAN (Symbol) - 30x30	30	30																NEW (POLE)	6.3	6.3			
SG-03	S-12	W16-7P_L(24)	1	LEFT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24	12																NEW (POLE)	2.0	2.0			
				PAGE TOTALS			29	32	0		22	12		0	32		8	0	0	0			186	99	0	87	
				JOB TOTALS			734	150	0		177	210		0	252		122	11	1	0			186	99	0	87	

ADDENDA / REVISIONS

NOT TO SCALE

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY:	A. PHILLIPPI
COUNTY	CHECKED BY:	D. CARSON
SUSSEX		

SIGN SCHEDULE

SS-17

SECTION	SHEET NO.
WRA	183

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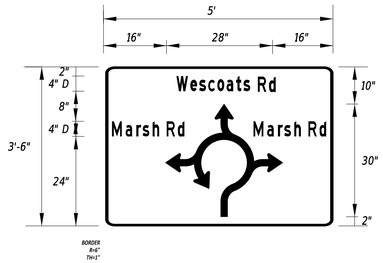
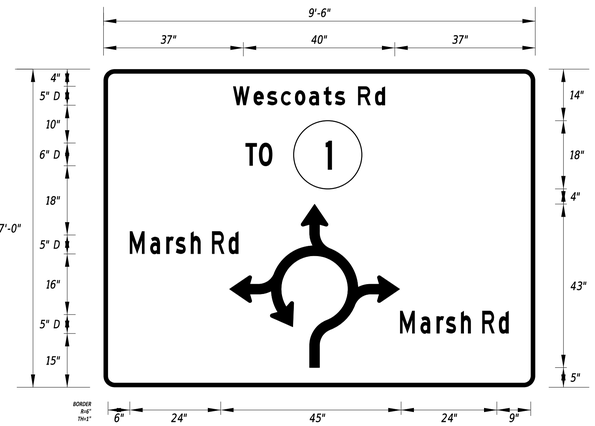
PANEL DESIGNATION	DWG NO.	QUANTITY	LEGEND	SIZE			COLOR		BORDER		ARROW	SHIELD	REMARKS
				AREA	WIDTH	HEIGHT	LEGEND	BACKGROUND	THICKNESS	RADIUS			
SS-01-34	SS-01	1		15	5'	3'	W	G	1"	6"	CIRCULAR INTERSECTION DIAGRAMMATIC	-	EXTRUDED ALUMINUM
GM-1	SS-01	1		66.5	9'-6"	7'-0"	W	G	1"	6"	CIRCULAR INTERSECTION DIAGRAMMATIC	M1-5 (18"X18")	EXTRUDED ALUMINUM

COLORS: BLK=BLACK, BLU=BLUE, BRO=BROWN, G=GREEN, R=RED, W=WHITE, Y=YELLOW, FY=FLUORESCENT YELLOW, FYG=FLUORESCENT YELLOW GREEN, PUR=PRUPLE

ADDENDA / REVISIONS

NOT TO SCALE

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY:	A. PHILLIPPI
COUNTY	CHECKED BY:	D. CARSON
SUSSEX		

GUIDE SIGN DIMENSIONS & DETAILS

SS-18

SECTION	SHEET NO.
WRA	184

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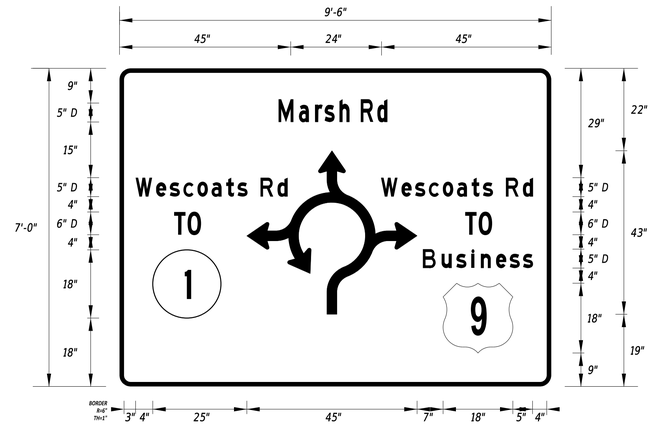
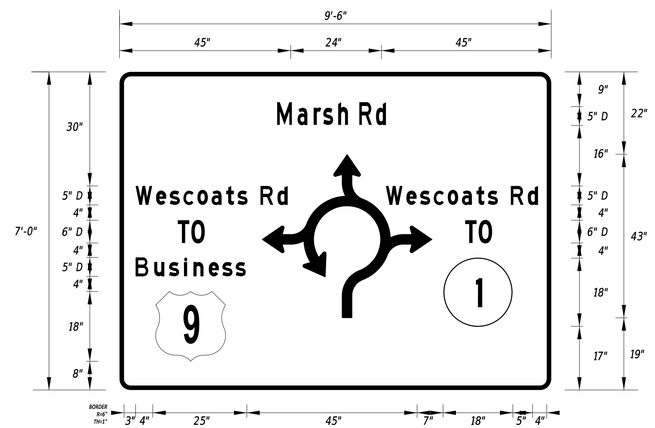
PANEL DESIGNATION	DWG NO.	QUANTITY	LEGEND	SIZE			COLOR		BORDER		ARROW	SHIELD	REMARKS
				AREA	WIDTH	HEIGHT	LEGEND	BACKGROUND	THICKNESS	RADIUS			
GM-2	SS-01	1		66.5	9'-6"	7'-0"	W	G	1"	6"	CIRCULAR INTERSECTION DIAGRAMMATIC	M1-5 (18"X18"), M1-4 (18"X18")	EXTRUDED ALUMINUM
GM-3	SS-9	1		66.5	9'-6"	7'-0"	W	G	1"	6"	CIRCULAR INTERSECTION DIAGRAMMATIC	M1-5 (18"X18"), M1-4 (18"X18")	EXTRUDED ALUMINUM

COLORS: BLK=BLACK, BLU=BLUE, BRO=BROWN, G=GREEN, R=RED, W=WHITE, Y=YELLOW, FY=FLUORESCENT YELLOW, FYG=FLUORESCENT YELLOW GREEN, PUR=PRUPLE

ADDENDA / REVISIONS

NOT TO SCALE

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY:	A. PHILLIPPI
COUNTY	CHECKED BY:	D. CARSON
SUSSEX		

GUIDE SIGN DIMENSIONS & DETAILS

SS-19

SECTION	SHEET NO.
WRA	185

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GUIDE SIGN STEEL SUPPORT CHART

SIGN NO.	SIGN SIZE (WXH)	SHEET NO.	POST SIZE	SUPPORT L-1	SUPPORT L-2	SUPPORT L-3	LATERAL CLEARANCE		SUPPPORT SPACING FROM LEFT EDGE OF SIGN
							OFFSET	OBJECT***	
GM-1	11.5' x 12'	SS-01	W8x21	20.4'	19.8'	-	10.0'	ES	2.0' - 9.5'
GM-2	10' x 9.5'	SS-05	W6x15	19.4'	21.1'	-	6.0'	ES	2.0' - 8.0'
GM-3	14' x 15'	SS-06	W10x22	20.5'	23.0'	-	3.0'	ES	2.8' - 11.2'
GM-4	14' x 15'	SS-16	W10x22	23.3'	21.0'	-	10.0'	ES (MEDIAN)	2.8' - 11.2'
GM-5	10' x 9'	SS-16	W6x15	17.6'	15.9'	-	10.0'	ES (MEDIAN)	2.0' - 8.0'
GM-6	10' x 10.5'	SS-17	W6x15	16.9'	18.3'	-	6.0'	ES	2.0' - 8.0'
GM-7	10.5' x 8.5'	SS-17	W6x12	16.7'	16.7'	-	8.0'	ES (MEDIAN)	2.1' - 8.4'
GM-8	14' x 15'	SS-17	W12x26	23.0'	24.2'	-	7.5'	ES	2.8' - 11.2'

NOTES:

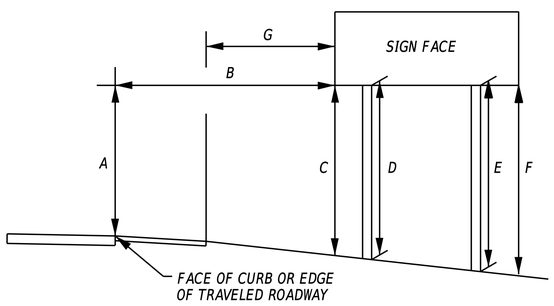
1. WHEN SPACING BETWEEN STEEL BEAM SUPPORTS IS GREATER THAN 8'-0" INSTALL DOUBLE ALUMINUM ANGLES (2"x.3"x.") FROM TOP TO BOTTOM OF SIGN WITH POST CLIPS INSTALLED AT EACH EXTRUDED ALUMINUM PANEL. COST TO FURNISH AND INSTALL ALUMINUM ANGLES SHALL BE INCIDENTAL TO THE INSTALLATION OF SIGNS ON GROUND MOUNT POSTS ITEM.
2. A MINIMUM 7'-0" FROM INSIDE OF FLANGE TO INSIDE OF FLANGE SHALL BE MAINTAINED BETWEEN ALL STEEL BEAM SIGN SUPPORTS LARGER THAN W8X18.
3. ALL STEEL BEAM SIGN SUPPORTS SHALL BE MOUNTED ON BREAKAWAY BASES REGARDLESS OF WHETHER PROTECTED BY TRAFFIC BARRIER OR UNPROTECTED. BREAKAWAY BASE SUPPORT SYSTEMS SHALL BE TRANSPO INDUSTRIES OR APPROVED EQUAL.
4. STEEL SUPPORTS DESIGNED FOR 90 MPH WIND SPEED AND 25 YEAR DESIGN LIFE USING ASTM A709, GRADE 36 STEEL BEAM SUPPORTS IN ACCORDANCE WITH AASHTO LTS-6 (2013) PER TRANSPO INDUSTRIES BREAK-SAFE SIGN POST SELECTION PROGRAM.

FOUNDATION SELECTION MATRIX

POST SIZE	FOUNDATION DIAMETER	ROADWAY CUT / FILL SLOPE										
		>2:1	3:1	4:1	5:1	6:1	7:1	8:1	9:1	10:1	12:1	<13:1
W6x9	30"	*	C	C	C	C	B	B	B	A	A	A
W6x12 or TS 5"X5"X 1/4,"	30"	*	C	C	C	C	B	B	B	A	A	A
W6x15, W6x16 or TS 6"X6"X 1/4 "	30"	*	C	C	C	C	B	B	B	A	A	A
W8x18	30"	*	C	C	C	C	B	B	B	A	A	A
W8x21 or TS 7"X7"X 1/4"	30"	*	C	C	C	C	B	B	B	A	A	A
W10x22 or TS 8"X8"X 5/16"	36"	*	*	C	C	C	C	B	B	B	A	A
W10x26	36"	*	*	C	C	C	C	B	B	B	A	A
W12x26	36"	*	*	C	C	C	C	B	B	B	A	A
W14x30	36"	*	*	C	C	C	C	B	B	B	A	A
W16x31	36"	*	*	C	C	C	C	B	B	B	A	A
W18x35 or W18x40	36"	*	*	C	C	C	C	B	B	B	A	A
W21x44	42"	*	*	C	C	C	C	C	B	B	B	A

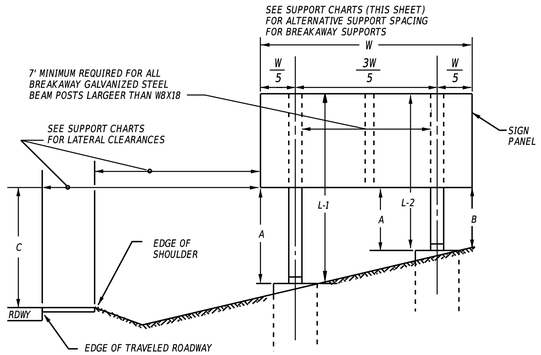
*IF A FOUNDATION EXCEEDS THE 4" AASHTO CRITERIA, THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR APPROPRIATE GUIDANCE.

SIGN STAKEOUT DIMENSIONS



NOTE: CONTRACTOR SHALL COMPLETE SIGN STAKEOUT AND DETERMINE EXACT STEEL SIGN SUPPORT LENGTHS. STAKEOUT DIMENSIONS AND STEEL SIGN SUPPORT LENGTHS SHALL BE SUBMITTED TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION OF STEEL SIGN SUPPORTS.

SIGN CLEARANCE



VERTICAL CLEARANCE OF SIGNS

A. 7'-6" MINIMUM FOR BREAKAWAY SUPPORTS OR 7'-0" FOR NON-BREAKAWAY SUPPORTS.
B. 2'-6" MINIMUM
C. 7'-6" MINIMUM & PREFERABLE. THIS DIMENSION IS TO BE INCREASED ONLY WHEN REQUIRED TO MEET A = 7'-6" FOR BREAKAWAY OR A (MIN.) = 7'-0" FOR NON-BREAKAWAY AND B (MIN) 2'-0"

ALL DIMENSIONS ARE TO BOTTOM OF SIGN

**TOTAL WEIGHT BELOW THE HINGES SHOULD BE LESS THAN 600 POUNDS

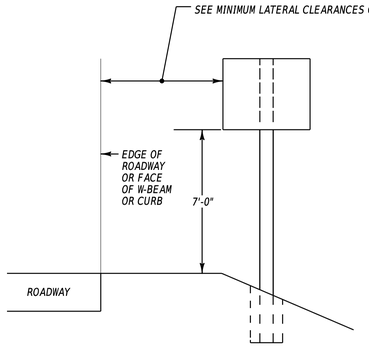
LATERAL CLEARANCE

SEE SUPPORT CHARTS

*** 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 (LEFT OBJECT/ RIGHT OBJECT)
CG = CENTERED IN GORE (LEFT OBJECT/ RIGHT OBJECT)
B = FACE OF CONCRETE TRAFFIC BARRIER

STANDARD SIGN VERTICAL AND LATERAL CLEARANCE DETAIL

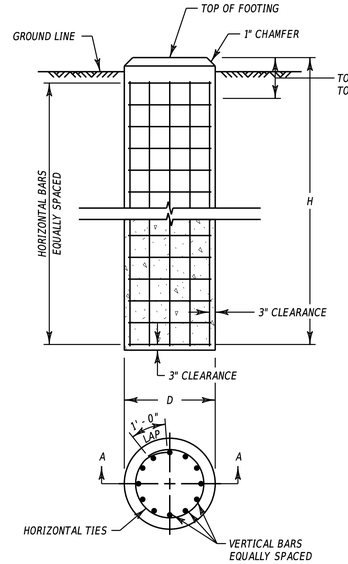


MINIMUM LATERAL CLEARANCE OF SIGNS:

1 = EDGE OF SIGN 6' FROM FACE OF W-BEAM TRAFFIC BARRIER
2 = EDGE OF SIGN 6' FROM EDGE OF SHOULDER
3 = EDGE OF SIGN 6' PREFERABLE MIN. (2' ABSOLUTE MIN.) FROM EACH EDGE OF SHOULDER IN MEDIAN OR CURB

NOTE: ALL SUPPORTS WITHIN THE CLEAR ZONE SHALL BE BREAKAWAY UNLESS PROTECTED BY TRAFFIC BARRIER, EXCEPT AS NOTED ABOVE FOR STEEL SUPPORTS.

GALVANIZED STEEL BEAM TYPE A SIGN POST FOUNDATION DETAIL



SECTION A-A

PLAN VIEW

FOUNDATION DATA TABLE

POST SIZE	D	H	VERTICAL REINFORCEMENT	HORIZONTAL REINFORCEMENT	CONCRETE REQUIRED (CY)
W6x9	30"	6'-0"	EIGHT (8)-NO. 7	SEVEN (7)-NO. 4	1.1
W6x12 OR TS-5x5x1/4	30"	6'-0"	EIGHT (8)-NO. 7	SEVEN (7)-NO. 4	1.1
W6x15, W6x16 OR TS-6x6x1/4	30"	6'-6"	EIGHT (8)-NO. 7	SEVEN (7)-NO. 4	1.2
W8x18	30"	7'-6"	EIGHT (8)-NO. 9	EIGHT (8)-NO. 4	1.4
W8x21 OR TS-7x7x1/4	30"	8'-0"	EIGHT (8)-NO. 9	NINE (9)-NO. 4	1.5
W10x22 OR TS-8x8x5/16	36"	8'-6"	EIGHT (8)-NO. 10	NINE (9)-NO. 4	2.3
W10x26	36"	9'-0"	EIGHT (8)-NO. 10	TEN (10)-NO. 4	2.4
W12x26	36"	10'-0"	EIGHT (8)-NO. 10	ELEVEN (11)-NO. 4	2.7
W14x30	36"	11'-0"	EIGHT (8)-NO. 10	TWELVE (12)-NO. 4	2.9
W16x31	36"	12'-0"	EIGHT (8)-NO. 10	THIRTEEN (13)-NO. 4	3.2
W18x35 OR W18x40	36"	13'-0"	EIGHT (8)-NO. 10	FOURTEEN (14)-NO. 4	3.5
W21x44	42"	12'-0"	TWELVE (12)-NO. 10	THIRTEEN (13)-NO. 4	4.3

STEEL POST BREAKAWAY SYSTEM SELECTION CHART

SYSTEM TYPE	ASSOCIATED POST SIZE
AI6	W6X9
B525	W6X12, W6X15, W6x16,W8X18, W8X21, 5"x5" & 6"x6" SQUARE
B650	7"x7" AND 8"X8" SQUARE AND ALL I-BEAMS LARGER THAN W8X21

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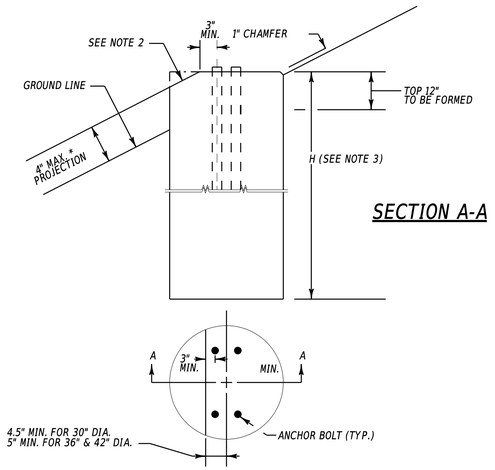
ADDENDA / REVISIONS		NOT TO SCALE	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT	BRIDGE NO. N/A	GUIDE SIGN DIMENSIONS & DETAILS	SS-20
				T201609601			SECTION
				COUNTY	DESIGNED BY: A. PHILLIPPI		WRA
				SUSSEX	CHECKED BY: K. CLEVENGER		SHEET NO.
							186

GALVANIZED STEEL BEAM TYPE B SIGN POST FOUNDATION DETAIL



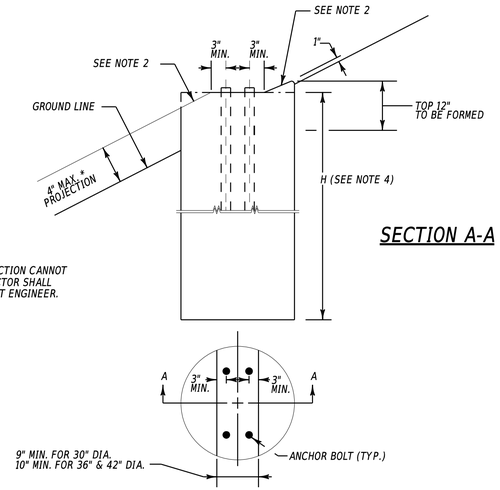
SECTION A-A

PLAN VIEW

NOTES:

1. THIS FOUNDATION SHALL BE USED ONLY IN LOCATIONS MEETING SLOPE CRITERIA IN ACCORDANCE WITH THE STEEL BREAKAWAY SUPPORT FOUNDATION SELECTION MATRIX ON SIGNING CONSTRUCTION DETAILS SHEET.
2. SLOPED PORTIONS OF THE FOUNDATION SHALL MATCH THE FINISHED GROUND SLOPE.
3. REFER TO GALVANIZED STEEL BEAM TYPE A SIGN POST FOUNDATION DETAIL FOR FOUNDATION DIMENSIONS AND REINFORCING STEEL DETAILS.

GALVANIZED STEEL BEAM TYPE C SIGN POST FOUNDATION DETAIL



SECTION A-A

*IF 4" MAX. PROJECTION CANNOT BE MET, CONTRACTOR SHALL CONTACT PROJECT ENGINEER.

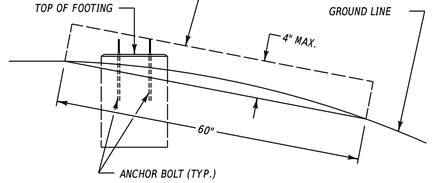
PLAN VIEW

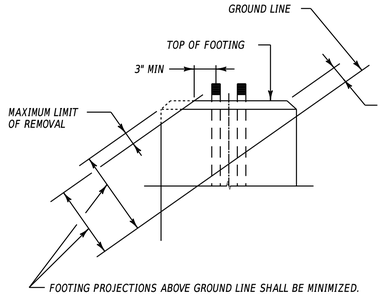
NOTES:

1. THIS FOUNDATION SHALL BE USED ONLY IN LOCATIONS MEETING SLOPE CRITERIA IN ACCORDANCE WITH THE STEEL BREAKAWAY SUPPORT FOUNDATION SELECTION MATRIX ON THE SIGNING CONSTRUCTION DETAILS SHEET.
2. SLOPED PORTIONS OF THE FOUNDATION SHALL MATCH THE FINISHED GROUND SLOPE.
3. ON FILL SLOPES GREATER THAN 6:1 BUT NO STEEPER THAN 3:1, FOUNDATIONS DESIRABLY SHOULD BE INSTALLED A MINIMUM OF 14 FT BEYOND THE HINGE POINT. THE HINGE POINT IS THE POINT OF SLOPE TRANSITION FROM THE SHOULDER SLOPE, OR A RELATIVELY FLAT RECOVERY AREA ADJACENT TO THE ROADWAY, TO A STEEPER FORESLOPE, (ALSO KNOWN AS THE FORESLOPE BREAK).
4. REFER TO GALVANIZED STEEL BEAM TYPE A SIGN POST FOUNDATION DETAIL FOR FOUNDATION DIMENSIONS AND REINFORCING STEEL DETAILS.

BREAKAWAY POLES ADJUSTMENT FOR GROUND SLOPES DETAIL

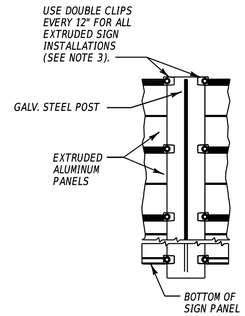
TO AVOID UNDERCARRIAGE SNAGGING ON CONVEX GROUND PROFILES, THE TOP OF THE FOOTING SHALL NOT PROJECT MORE THAN 4" ABOVE ANY 60" CHORD ALIGNED PERPENDICULARLY TO THE EDGE OF THE ROADWAY BETWEEN A POINT ON THE GROUND SURFACE ON ONE SIDE OF THE SUPPORT TO A POINT ON THE GROUND SURFACE ON THE OTHER SIDE OF THE SUPPORT.





FOOTING PROJECTIONS ABOVE GROUND LINE SHALL BE MINIMIZED. THE MAXIMUM PERMISSIBLE FOOTING PROJECTION SHALL BE 4" ON THE LOWER SLOPE SIDE. WHERE NECESSARY, THE DASHED AREA OF THE FOOTING SHALL BE REMOVED AND REINFORCEMENT SHALL BE BENT TO FIT.

VERTICAL SUPPORT ATTACHMENT FOR GROUND MOUNTED SIGNS



NOTES:

1. ALL STEEL SHALL BE HOT DIPPED GALVANIZED.
2. ALL STEEL SUPPORTS SHALL CONFORM TO A 709, GRADE 36.
3. POST CLIPS SHALL BE INSTALLED ON EACH SIDE OF SIGN SUPPORT SPACED EVERY 12" FOR ENTIRE HEIGHT OF SIGN, AS SHOWN. POST CLIPS SHALL MEET AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS.

GROUND-MOUNT BREAKAWAY I-BEAM SIGN STRUCTURE QUANTITIES

ITEM NUMBER	ITEM TITLE	UNIT	TOTAL QUANTITY	GM-2 QUANTITY	GM-3 QUANTITY	GM-4 QUANTITY
818006	SUPPLY OF EXTRUDED ALUMINUM SIGN PANEL, TYPE XI, RETROREFLECTIVE SHEETING	SF	200.00	66.5	66.5	66.5
820002	REINFORCED CONCRETE MASONRY SIGN FOUNDATION, W-8	EA	6	2	2	2
820009	SUPPLY OF BREAKAWAY I-BEAM SIGN POST, W-8	LF	90	29.1	29.9	30.7
820014	SUPPLY & INSTALLATION OF BOLT KIT FOR BREAKAWAY COUPLING	EA	6	2	2	2
820015	SUPPLY & INSTALLATION OF HINGE PLATE FOR BREAKAWAY COUPLING	EA	6	2	2	2
820016	SUPPLY & INSTALLATION OF BREAKAWAY COUPLING SYSTEM	EA	6	2	2	2
820017	INSTALLATION OF BREAKAWAY I-BEAM SIGN POSTS	EA	6	2	2	2
820019	INSTALL SIGN PANEL ON BREAKAWAY I-BEAM SIGN SUPPORT	SF	200.00	66.5	66.5	66.5

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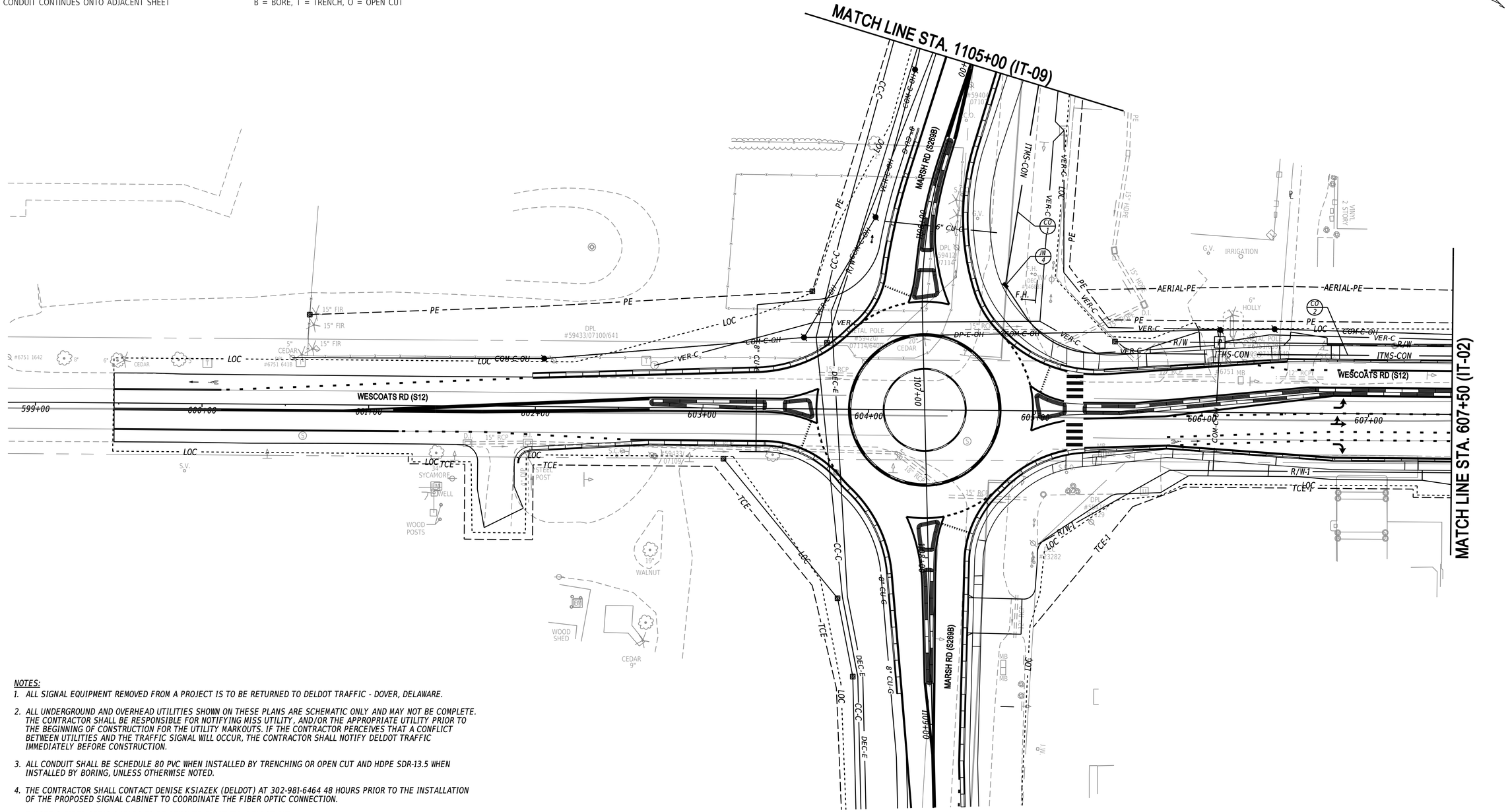
ADDENDA / REVISIONS		NOT TO SCALE	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT	BRIDGE NO. N/A	GUIDE SIGN DIMENSIONS & DETAILS	SS-21
				T201609601			SECTION
				COUNTY	DESIGNED BY: A. PHILLIPPI		WRA
				SUSSEX	CHECKED BY: K. CLEVENGER		SHEET NO.
							187

CONDUIT RUN SCHEDULE					
CR NO.	NO. OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
1	1	4.0 IN	452 FT**	T	EMPTY
2	1	4.0 IN	493 FT**	T	EMPTY

* * CONDUIT CONTINUES ONTO ADJACENT SHEET

B = BORE, T = TRENCH, O = OPEN CUT

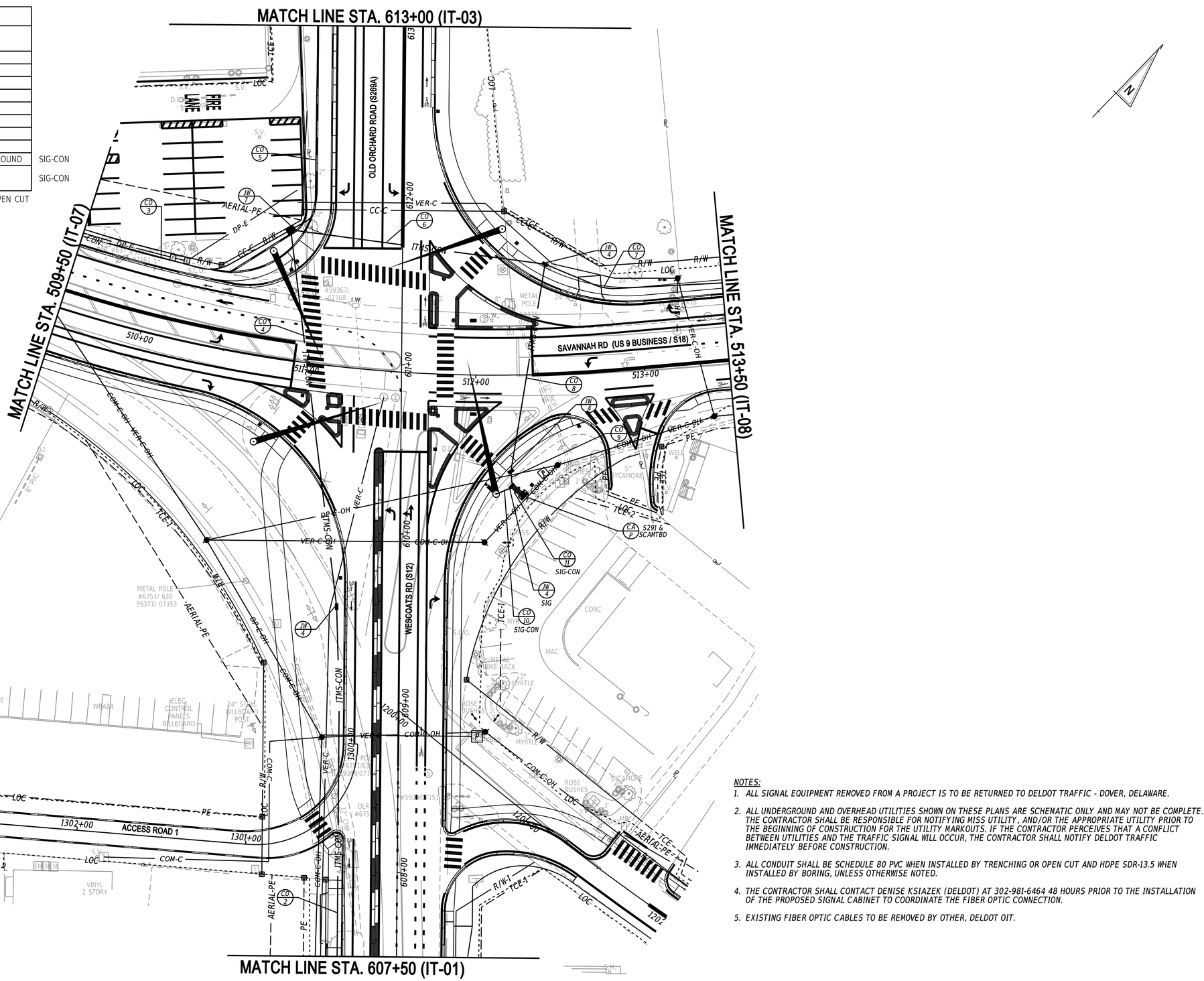


CONDUIT RUN SCHEDULE

CR NO.	NO. OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
2	1	4.0 IN	493 FT**	T	EMPTY
3	1	4.0 IN	209 FT**	T	EMPTY
4	1	4.0 IN	222 FT	B	EMPTY
5	1	4.0 IN	543 FT**	T	EMPTY
6	1	4.0 IN	147 FT	T	EMPTY
7	1	4.0 IN	291 FT**	T	EMPTY
8	1	4.0 IN	123 FT	B	EMPTY
9	1	4.0 IN	8 FT	T	EMPTY
10	1	3.0 IN	9 FT	T	(1) 9/#14, (1) 4/#18, CCTV CABLES, (1) #6 GROUND
11	4	4.0 IN	8 FT	T	(4) 9/#14, (8) 5/#14, (4) 4/#18, (14) 2/#14, CCTV CABLES, (3) #6 GROUND

* * CONDUIT CONTINUES ONTO ADJACENT SHEET

B = BORE, T = TRENCH, O = OPEN CUT



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.*
3. *ALL CONDUIT SHALL BE SCHEDULE 80 PVC WHEN INSTALLED BY TRENCHING OR OPEN CUT AND HDPE SDR-13.5 WHEN INSTALLED BY BORING, UNLESS OTHERWISE NOTED.*
4. *THE CONTRACTOR SHALL CONTACT DENISE KSIAZEK (DELDOT) AT 302-981-6464 48 HOURS PRIOR TO THE INSTALLATION OF THE PROPOSED SIGNAL CABINET TO COORDINATE THE FIBER OPTIC CONNECTION.*
5. *EXISTING FIBER OPTIC CABLES TO BE REMOVED BY OTHER, DELDOT OIT.*

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ADDENDA / REVISIONS	SCALE	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT	BRIDGE NO.	N/A	ITMS CONDUIT PLANS	IT-02
	0 30 60 90 FEET		T201609601	DESIGNED BY:	D. CARSON		SECTION: WRA
			COUNTY: SUSSEX	CHECKED BY:	M. BUCKLEY		SHEET NO.: 189

CONDUIT RUN SCHEDULE					
CR NO.	NO. OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
5	1	4.0 IN	543 FT**	T	EMPTY
12	1	4.0 IN	75 FT	T	EMPTY
13	1	4.0 IN	596 FT**	T	EMPTY

* * CONDUIT CONTINUES ONTO ADJACENT SHEET

B = BORE, T = TRENCH, O = OPEN CUT

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.*
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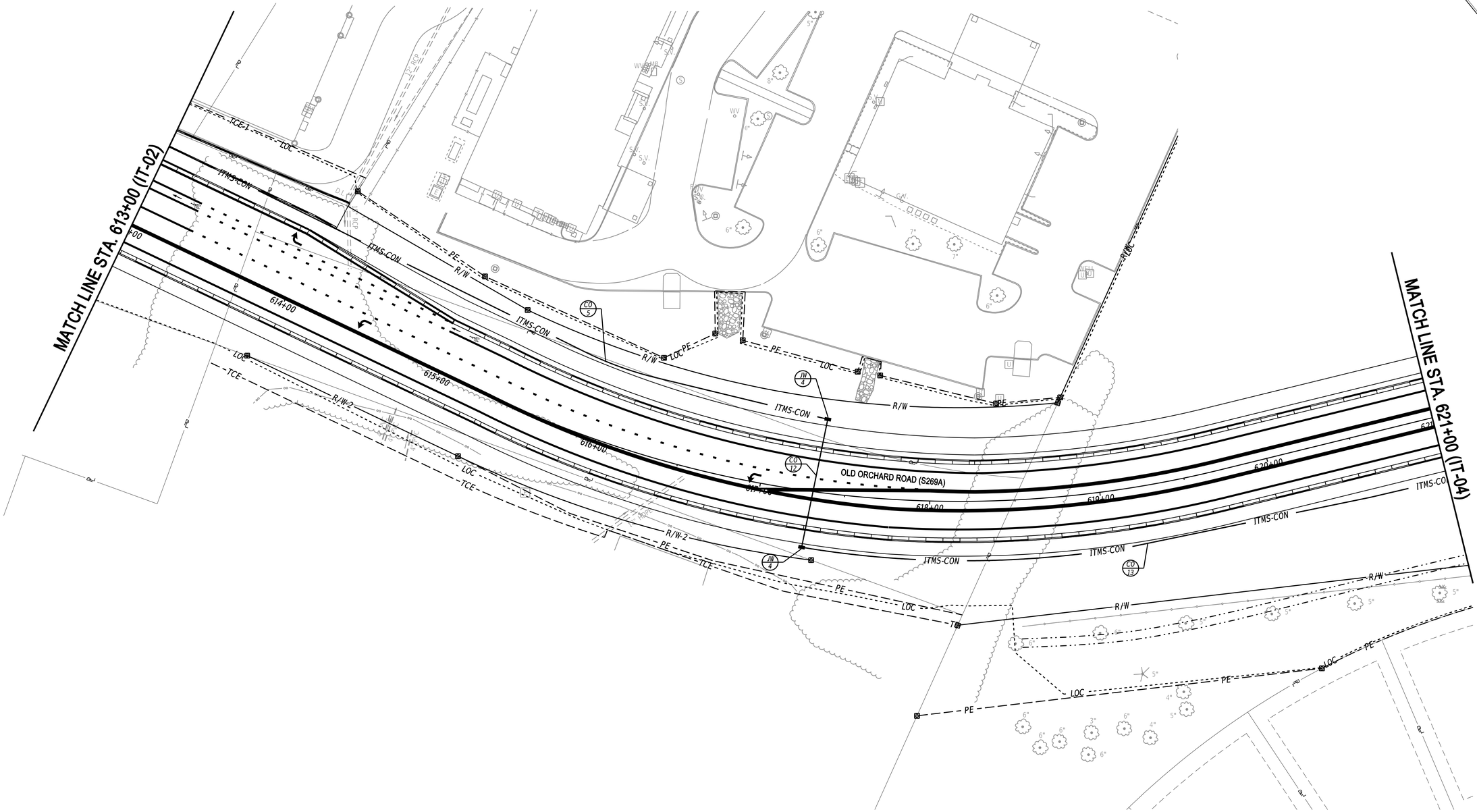
5. *EXISTING FIBER OPTIC CABLES TO BE REMOVED BY OTHER, DELDOT OIT.*



ADDENDA / REVISIONS			

SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY:	D. CARSON
COUNTY	CHECKED BY:	M. BUCKLEY
SUSSEX		

ITMS CONDUIT PLANS

IT-03
SECTION: WRA
SHEET NO.: 190

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CONDUIT RUN SCHEDULE					
CR NO.	NO. OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
13	1	4.0 IN	596 FT**	T	EMPTY
14	1	4.0 IN	598 FT**	T	EMPTY

* * CONDUIT CONTINUES ONTO ADJACENT SHEET

B = BORE, T = TRENCH, O = OPEN CUT

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.*
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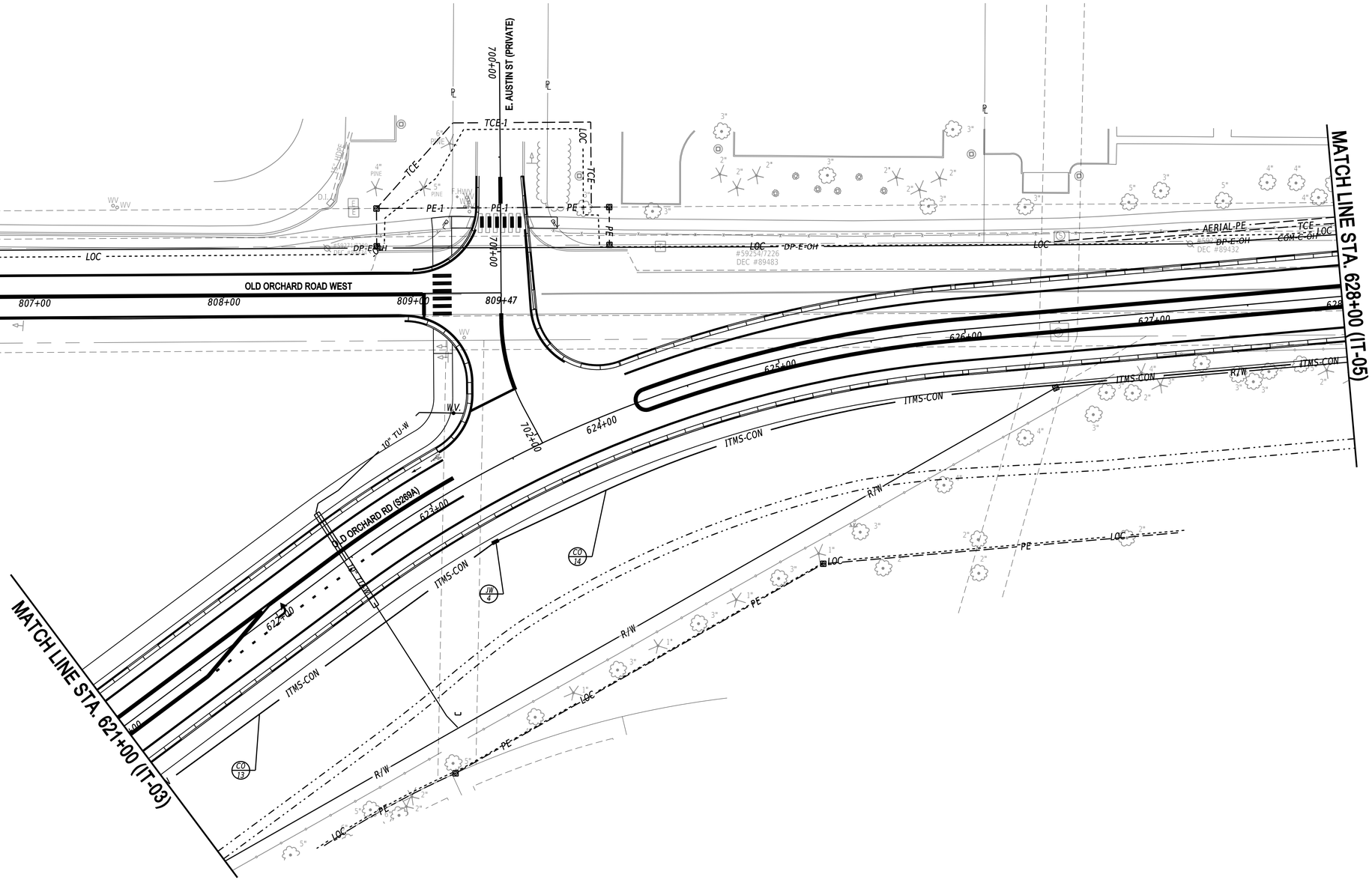
5. *EXISTING FIBER OPTIC CABLES TO BE REMOVED BY OTHER, DELDOT OIT.*



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ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	ITMS CONDUIT PLANS	IT-04
				COUNTY SUSSEX	DESIGNED BY: D. CARSON		SECTION WRA
					CHECKED BY: M. BUCKLEY		SHEET NO. 191

CONDUIT RUN SCHEDULE

CR NO.	NO. OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
14	1	4.0 IN	598 FT**	T	EMPTY
15	1	4.0 IN	244 FT	B	EMPTY
16	1	4.0 IN	600 FT**	T	EMPTY

* * CONDUIT CONTINUES ONTO ADJACENT SHEET

B = BORE, T = TRENCH, O = OPEN CUT

NOTES:

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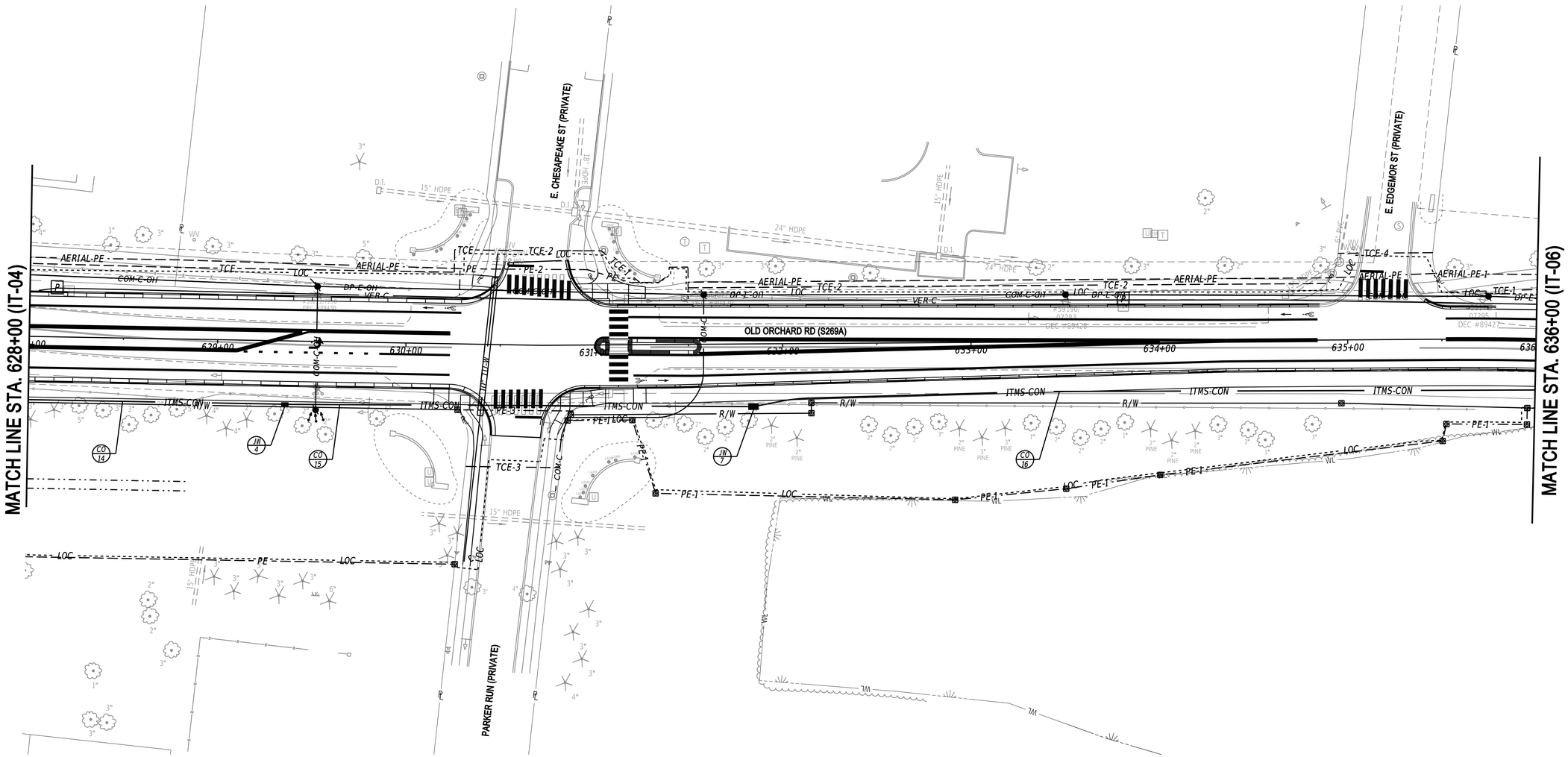

ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	ITMS CONDUIT PLANS	IT-05
				COUNTY SUSSEX	DESIGNED BY: D. CARSON		SECTION WRA
					CHECKED BY: M. BUCKLEY		SHEET NO. 192

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CONDUIT RUN SCHEDULE

CR NO.	NO. OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
16	1	4.0 IN	600 FT**	T	EMPTY
17	1	4.0 IN	361 FT	B	EMPTY

* * CONDUIT CONTINUES ONTO ADJACENT SHEET

B = BORE, T = TRENCH, O = OPEN CUT

NOTES:

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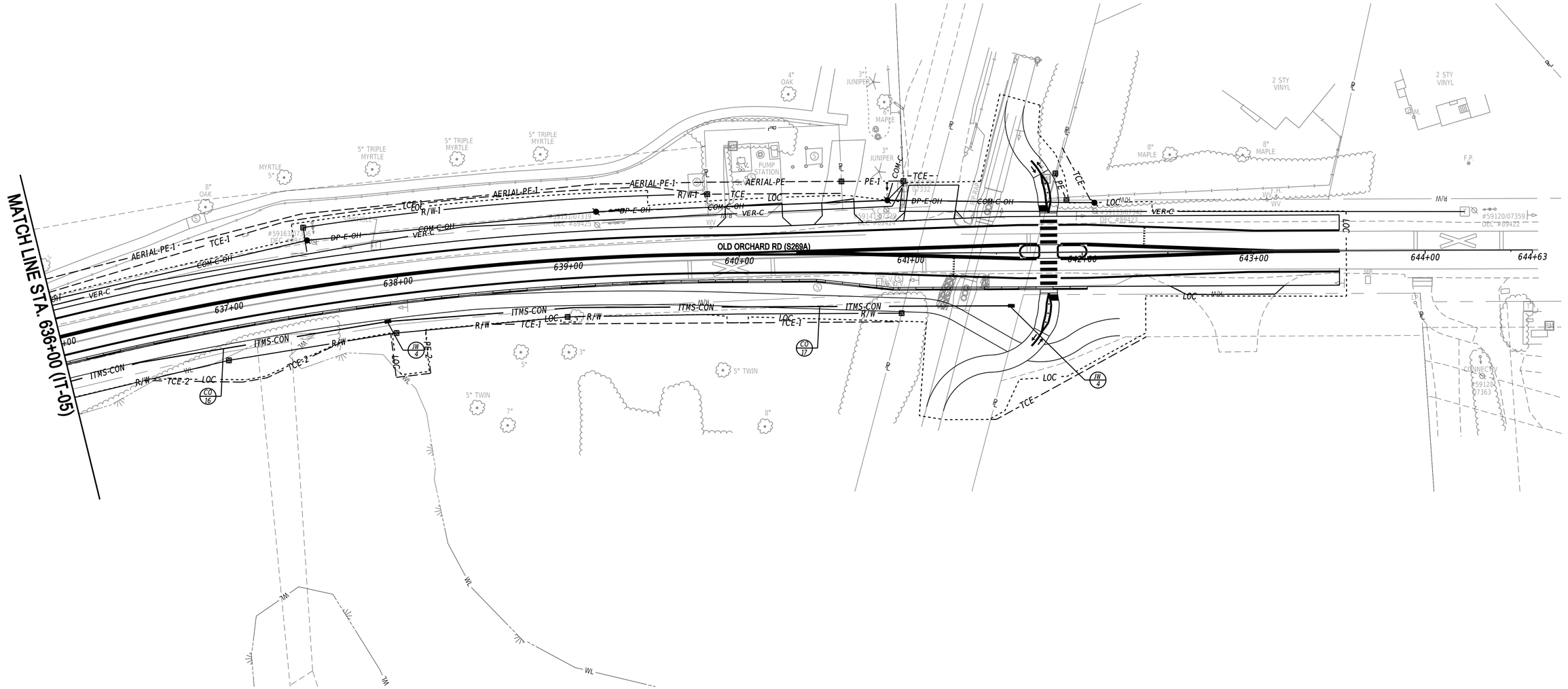

ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	ITMS CONDUIT PLANS	IT-06
				COUNTY SUSSEX	DESIGNED BY: D. CARSON		SECTION WRA
					CHECKED BY: M. BUCKLEY		SHEET NO. 193

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CONDUIT RUN SCHEDULE

CR NO.	NO. OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
3	1	4.0 IN	209 FT**	T	EMPTY
18	1	4.0 IN	304 FT	T	EMPTY
19*	1	4.0 IN	514 FT**	-	<REMOVE EX. 24 CT. SINGLE-MODE FIBER OPTIC CABLE>

SEE NOTE 5

* DENOTES EXISTING CONDUIT

B = BORE, T = TRENCH, O = OPEN CUT

* * CONDUIT CONTINUES ONTO ADJACENT SHEET

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.*
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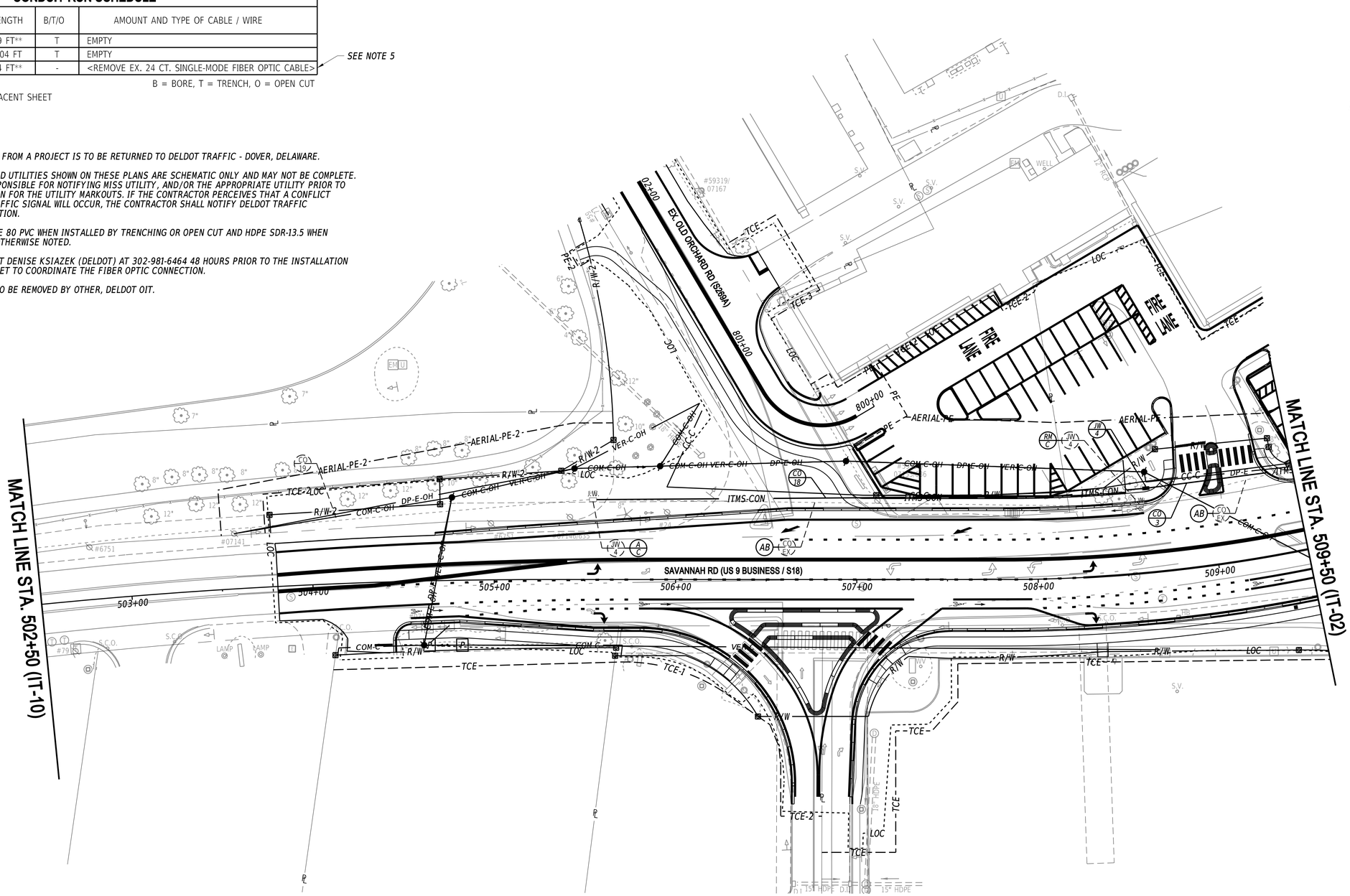

ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	ITMS CONDUIT PLANS	IT-07
				COUNTY SUSSEX	DESIGNED BY: D. CARSON		SECTION WRA
					CHECKED BY: M. BUCKLEY		SHEET NO. 194

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CONDUIT RUN SCHEDULE					
CR NO.	NO. OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
7	1	4.0 IN	291 FT**	T	EMPTY

* * CONDUIT CONTINUES ONTO ADJACENT SHEET

B = BORE, T = TRENCH, O = OPEN CUT

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.*
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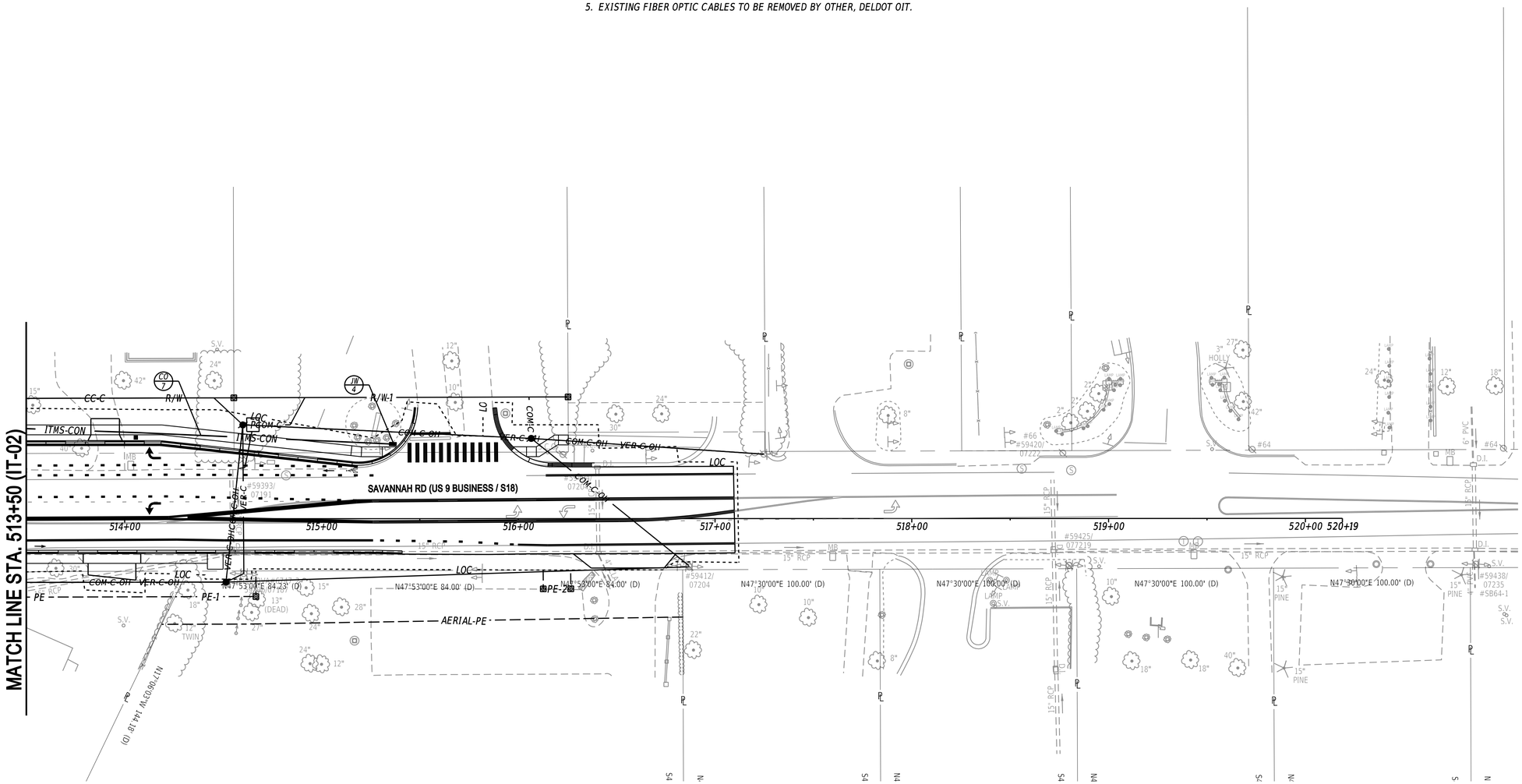

ADDENDA / REVISIONS			

SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY:	D. CARSON
COUNTY	CHECKED BY:	M. BUCKLEY
SUSSEX		

ITMS CONDUIT PLANS

IT-08	
SECTION	WRA
SHEET NO.	195

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CONDUIT RUN SCHEDULE

CR NO.	NO. OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
1	1	4.0 IN	452 FT**	T	EMPTY

* * CONDUIT CONTINUES ONTO ADJACENT SHEET

B = BORE, T = TRENCH, O = OPEN CUT

NOTES:

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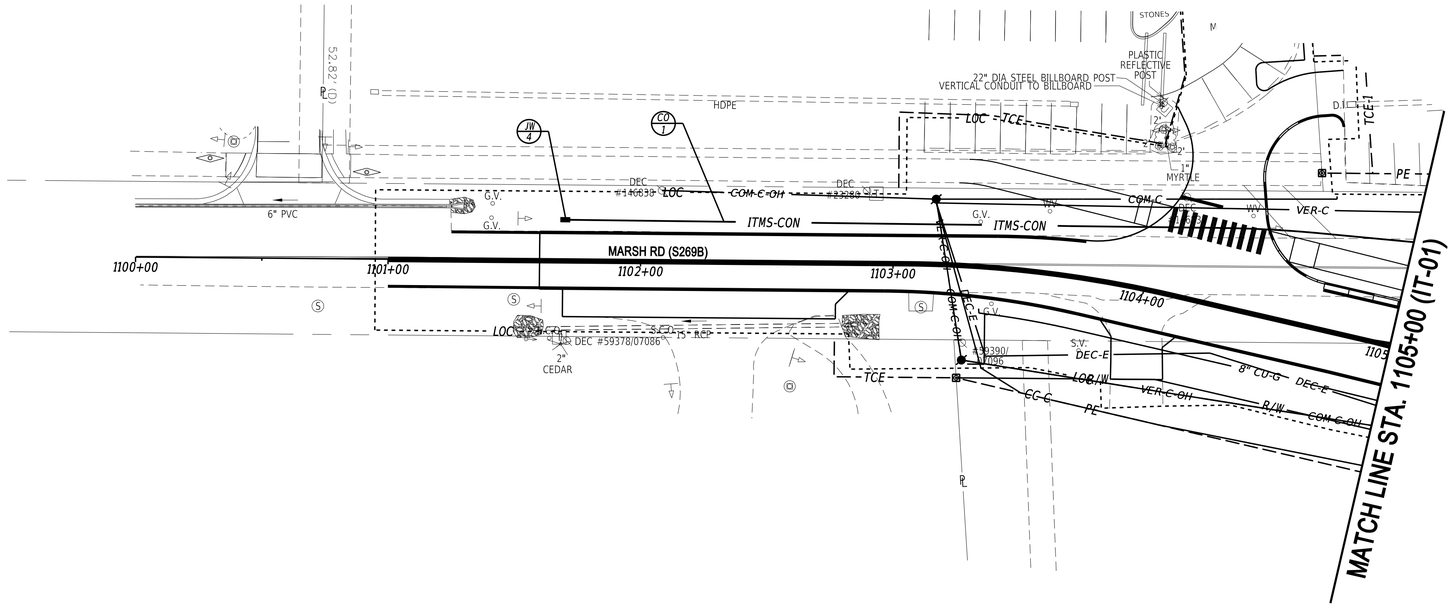

ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	ITMS CONDUIT PLANS	IT-09
				COUNTY SUSSEX	DESIGNED BY: D. CARSON		SECTION WRA
					CHECKED BY: M. BUCKLEY		SHEET NO. 196

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CONDUIT RUN SCHEDULE					
CR NO.	NO. OF CONDUITS	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE / WIRE
19*	1	4.0 IN	514 FT**	-	<REMOVE EX. 24 CT. SINGLE-MODE FIBER OPTIC CABLE>
20*	1	4.0 IN	219 FT	-	<REMOVE EX. 24 CT. SINGLE-MODE FIBER OPTIC CABLE>
21*	1	4.0 IN	124 FT	-	<REMOVE EX. 24 CT. SINGLE-MODE FIBER OPTIC CABLE>
22*	1	4.0 IN	190 FT	-	EX. 24 CT. SINGLE-MODE FIBER OPTIC CABLE

SEE NOTE 5

* DENOTES EXISTING CONDUIT

* * CONDUIT CONTINUES ONTO ADJACENT SHEET

NOTES:

1. *ALL SIGNAL EQUIPMENT REMOVED FROM A PROJECT IS TO BE RETURNED TO DELDOT TRAFFIC - DOVER, DELAWARE.*
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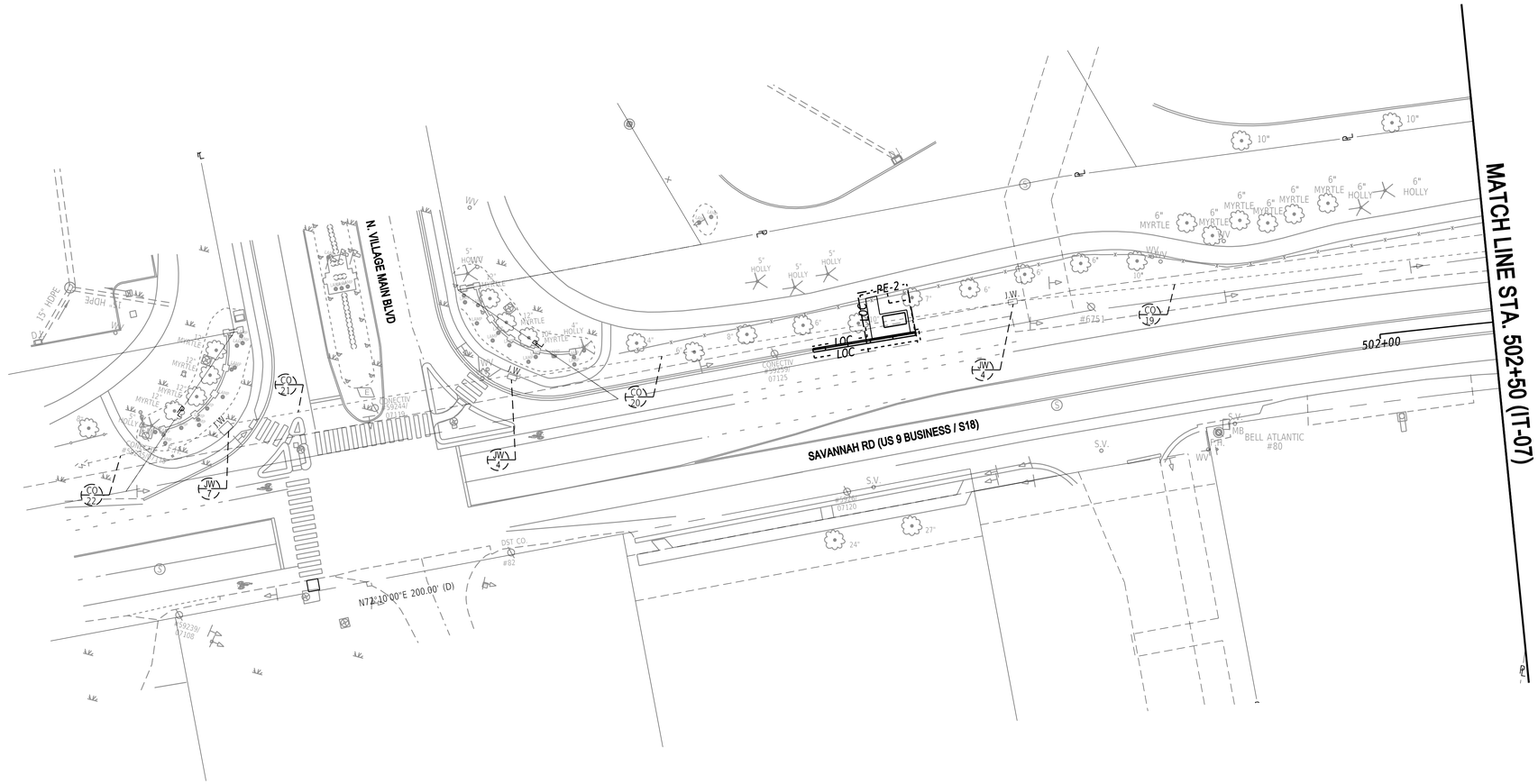
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MATCH LINE STA. 502+50 (IT-07)
502+00
N. VILLAGE MAIN BLVD
SAVANNAH RD (US 9 BUSINESS / S18)
PE-2
LOC
LOC
CO 19
CO 20
CO 21
CO 22
JW 4
JW 4
JW 7
#675
BELL ATLANTIC #80
DST CO. #82
N72°10'00"E 200.00' (D)
CORRECTIV 59244/07119
CORRECTIV 59244/07125
59239/07120
59239/07108
S.V.
W
W
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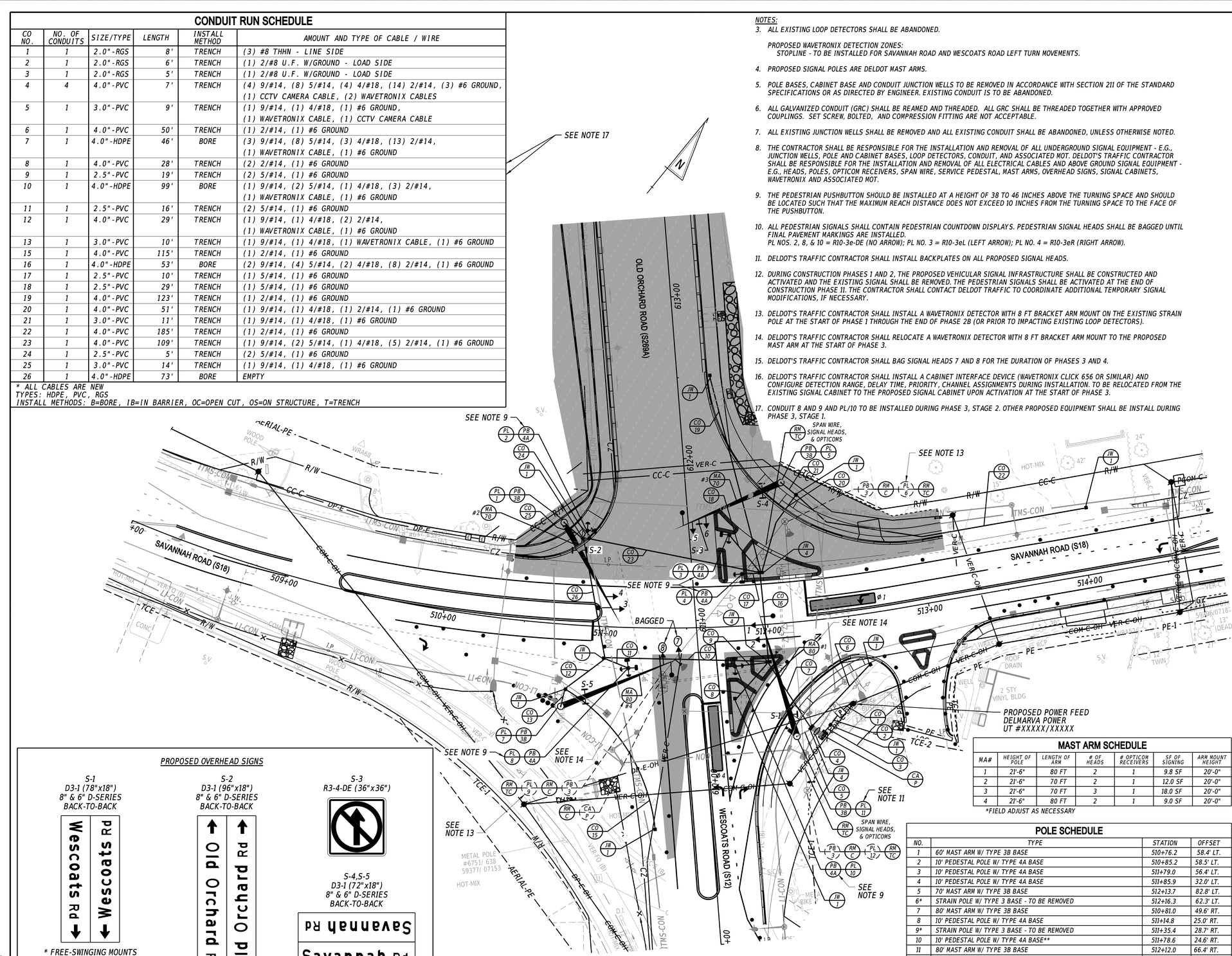
CONDUIT RUN SCHEDULE

CO NO.	NO. OF CONDUITS	SIZE/TYPE	LENGTH	INSTALL METHOD	AMOUNT AND TYPE OF CABLE / WIRE
1	1	2.0"-RGS	8'	TRENCH	(3) #8 THHN - LINE SIDE
2	1	2.0"-RGS	6'	TRENCH	(1) 2/#8 U.F. W/GROUND - LOAD SIDE
3	1	2.0"-RGS	5'	TRENCH	(1) 2/#8 U.F. W/GROUND - LOAD SIDE
4	4	4.0"-PVC	7'	TRENCH	(4) 9/#14, (8) 5/#14, (4) 4/#18, (14) 2/#14, (3) #6 GROUND, (1) CCTV CAMERA CABLE, (2) WAVETRONIX CABLES
5	1	3.0"-PVC	9'	TRENCH	(1) 9/#14, (1) 4/#18, (1) #6 GROUND, (1) WAVETRONIX CABLE, (1) CCTV CAMERA CABLE
6	1	4.0"-PVC	50'	TRENCH	(1) 2/#14, (1) #6 GROUND
7	1	4.0"-HDPE	46'	BORE	(3) 9/#14, (8) 5/#14, (3) 4/#18, (13) 2/#14, (1) WAVETRONIX CABLE, (1) #6 GROUND
8	1	4.0"-PVC	28'	TRENCH	(2) 2/#14, (1) #6 GROUND
9	1	2.5"-PVC	19'	TRENCH	(2) 5/#14, (1) #6 GROUND
10	1	4.0"-HDPE	99'	BORE	(1) 9/#14, (2) 5/#14, (1) 4/#18, (3) 2/#14, (1) WAVETRONIX CABLE, (1) #6 GROUND
11	1	2.5"-PVC	16'	TRENCH	(2) 5/#14, (1) #6 GROUND
12	1	4.0"-PVC	29'	TRENCH	(1) 9/#14, (1) 4/#18, (2) 2/#14, (1) WAVETRONIX CABLE, (1) #6 GROUND
13	1	3.0"-PVC	10'	TRENCH	(1) 9/#14, (1) 4/#18, (1) WAVETRONIX CABLE, (1) #6 GROUND
15	1	4.0"-PVC	115'	TRENCH	(1) 2/#14, (1) #6 GROUND
16	1	4.0"-HDPE	53'	BORE	(2) 9/#14, (4) 5/#14, (2) 4/#18, (8) 2/#14, (1) #6 GROUND
17	1	2.5"-PVC	10'	TRENCH	(1) 5/#14, (1) #6 GROUND
18	1	2.5"-PVC	29'	TRENCH	(1) 5/#14, (1) #6 GROUND
19	1	4.0"-PVC	123'	TRENCH	(1) 2/#14, (1) #6 GROUND
20	1	4.0"-PVC	51'	TRENCH	(1) 9/#14, (1) 4/#18, (1) 2/#14, (1) #6 GROUND
21	1	3.0"-PVC	11'	TRENCH	(1) 9/#14, (1) 4/#18, (1) #6 GROUND
22	1	4.0"-PVC	185'	TRENCH	(1) 2/#14, (1) #6 GROUND
23	1	4.0"-PVC	109'	TRENCH	(1) 9/#14, (2) 5/#14, (1) 4/#18, (5) 2/#14, (1) #6 GROUND
24	1	2.5"-PVC	5'	TRENCH	(2) 5/#14, (1) #6 GROUND
25	1	3.0"-PVC	14'	TRENCH	(1) 9/#14, (1) 4/#18, (1) #6 GROUND
26	1	4.0"-HDPE	73'	BORE	EMPTY

* ALL CABLES ARE NEW
TYPES: HDPE, PVC, RGS
INSTALL METHODS: B=BORE, IB=IN BARRIER, OC=OPEN CUT, OS=ON STRUCTURE, T=TRENCH

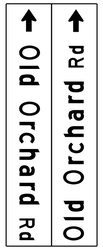


PROPOSED OVERHEAD SIGNS

S-1
D3-1 (78"x18")
8" & 6" D-SERIES
BACK-TO-BACK

* FREE-SWINGING MOUNTS

S-2
D3-1 (96"x18")
8" & 6" D-SERIES
BACK-TO-BACK



* FREE-SWINGING MOUNTS

S-3
R3-4-DE (36"x36")

S-4,S-5
D3-1 (72"x18")
8" & 6" D-SERIES
BACK-TO-BACK

* FREE-SWINGING MOUNTS

NOTES:

3. *ALL EXISTING LOOP DETECTORS SHALL BE ABANDONED.*

   PROPOSED WAVETRONIX DETECTION ZONES:
   STOPLINE - TO BE INSTALLED FOR SAVANNAH ROAD AND WESCOATS ROAD LEFT TURN MOVEMENTS.

4. *PROPOSED SIGNAL POLES ARE DELDOT MAST ARMS.*
5. *POLE BASES, CABINET BASE AND CONDUIT JUNCTION WELLS TO BE REMOVED IN ACCORDANCE WITH SECTION 211 OF THE STANDARD SPECIFICATIONS OR AS DIRECTED BY ENGINEER. EXISTING CONDUIT IS TO BE ABANDONED.*
6. *ALL GALVANIZED CONDUIT (GRC) SHALL BE REAMED AND THREADED. ALL GRC SHALL BE THREADED TOGETHER WITH APPROVED COUPLINGS. SET SCREW, BOLTED, AND COMPRESSION FITTING ARE NOT ACCEPTABLE.*
7. *ALL EXISTING JUNCTION WELLS SHALL BE REMOVED AND ALL EXISTING CONDUIT SHALL BE ABANDONED, UNLESS OTHERWISE NOTED.*
8. *THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND REMOVAL OF ALL UNDERGROUND SIGNAL EQUIPMENT - E.G., JUNCTION WELLS, POLE AND CABINET BASES, LOOP DETECTORS, CONDUIT, AND ASSOCIATED MOT. DELDOT'S TRAFFIC CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND REMOVAL OF ALL ELECTRICAL CABLES AND ABOVE GROUND SIGNAL EQUIPMENT - E.G., HEADS, POLES, OPTICOM RECEIVERS, SPAN WIRE, SERVICE PEDESTAL, MAST ARMS, OVERHEAD SIGNS, SIGNAL CABINETS, WAVETRONIX AND ASSOCIATED MOT.*
9. *THE PEDESTRIAN PUSHBUTTON SHOULD BE INSTALLED AT A HEIGHT OF 38 TO 46 INCHES ABOVE THE TURNING SPACE AND SHOULD BE LOCATED SUCH THAT THE MAXIMUM REACH DISTANCE DOES NOT EXCEED 10 INCHES FROM THE TURNING SPACE TO THE FACE OF THE PUSHBUTTON.*
10. *ALL PEDESTRIAN SIGNALS SHALL CONTAIN PEDESTRIAN COUNTDOWN DISPLAYS. PEDESTRIAN SIGNAL HEADS SHALL BE BAGGED UNTIL FINAL PAVEMENT MARKINGS ARE INSTALLED.*
    PL NOS. 2, 8, & 10 = R10-3e-DE (NO ARROW); PL NO. 3 = R10-3eL (LEFT ARROW); PL NO. 4 = R10-3eR (RIGHT ARROW).
11. *DELDOT'S TRAFFIC CONTRACTOR SHALL INSTALL BACKPLATES ON ALL PROPOSED SIGNAL HEADS.*
12. *DURING CONSTRUCTION PHASES 1 AND 2, THE PROPOSED VEHICULAR SIGNAL INFRASTRUCTURE SHALL BE CONSTRUCTED AND ACTIVATED AND THE EXISTING SIGNAL SHALL BE REMOVED. THE PEDESTRIAN SIGNALS SHALL BE ACTIVATED AT THE END OF CONSTRUCTION PHASE 11. THE CONTRACTOR SHALL CONTACT DELDOT TRAFFIC TO COORDINATE ADDITIONAL TEMPORARY SIGNAL MODIFICATIONS, IF NECESSARY.*
13. *DELDOT'S TRAFFIC CONTRACTOR SHALL INSTALL A WAVETRONIX DETECTOR WITH 8 FT BRACKET ARM MOUNT ON THE EXISTING STRAIN POLE AT THE START OF PHASE 1 THROUGH THE END OF PHASE 2B (OR PRIOR TO IMPACTING EXISTING LOOP DETECTORS).*
14. *DELDOT'S TRAFFIC CONTRACTOR SHALL RELOCATE A WAVETRONIX DETECTOR WITH 8 FT BRACKET ARM MOUNT TO THE PROPOSED MAST ARM AT THE START OF PHASE 3.*
15. *DELDOT'S TRAFFIC CONTRACTOR SHALL BAG SIGNAL HEADS 7 AND 8 FOR THE DURATION OF PHASES 3 AND 4.*
16. *DELDOT'S TRAFFIC CONTRACTOR SHALL INSTALL A CABINET INTERFACE DEVICE (WAVETRONIX CLICK 656 OR SIMILAR) AND CONFIGURE DETECTION RANGE, DELAY TIME, PRIORITY, CHANNEL ASSIGNMENTS DURING INSTALLATION. TO BE RELOCATED FROM THE EXISTING SIGNAL CABINET TO THE PROPOSED SIGNAL CABINET UPON ACTIVATION AT THE START OF PHASE 3.*
17. *CONDUIT 8 AND 9 AND PL/10 TO BE INSTALLED DURING PHASE 3, STAGE 2. OTHER PROPOSED EQUIPMENT SHALL BE INSTALL DURING PHASE 3, STAGE 1.*

MAST ARM SCHEDULE

MA#	HEIGHT OF POLE	LENGTH OF ARM	# OF HEADS	# OPTICOM RECEIVERS	SF OF SIGNING	ARM MOUNT HEIGHT
1	21'-6"	80 FT	2	1	9.8 SF	20'-0"
2	21'-6"	70 FT	2	1	12.0 SF	20'-0"
3	21'-6"	70 FT	3	1	18.0 SF	20'-0"
4	21'-6"	80 FT	2	1	9.0 SF	20'-0"

**FIELD ADJUST AS NECESSARY*

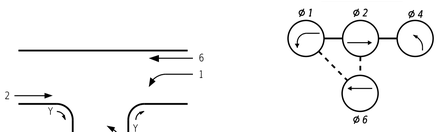
POLE SCHEDULE

NO.	TYPE	STATION	OFFSET
1	60' MAST ARM W/ TYPE 3B BASE	510+76.2	58.4' LT.
2	10' PEDESTAL POLE W/ TYPE 4A BASE	510+85.2	58.5' LT.
3	10' PEDESTAL POLE W/ TYPE 4A BASE	511+79.0	56.4' LT.
4	10' PEDESTAL POLE W/ TYPE 4A BASE	511+85.9	32.0' LT.
5	70' MAST ARM W/ TYPE 3B BASE	512+13.7	82.8' LT.
6*	STRAIN POLE W/ TYPE 3 BASE - TO BE REMOVED	512+16.3	62.3' LT.
7	80' MAST ARM W/ TYPE 3B BASE	510+81.0	49.6' RT.
8	10' PEDESTAL POLE W/ TYPE 4A BASE	511+14.8	25.0' RT.
9*	STRAIN POLE W/ TYPE 3 BASE - TO BE REMOVED	511+35.4	28.7' RT.
10	10' PEDESTAL POLE W/ TYPE 4A BASE**	511+78.6	24.6' RT.
11	80' MAST ARM W/ TYPE 3B BASE	512+12.0	66.4' RT.
12*	STRAIN POLE W/ TYPE 3 BASE - TO BE REMOVED	512+15.0	103.9' RT.

**EXISTING*
*** SEE NOTE 17*

TEMPORARY SIGNAL PHASING - PHASES 3-4

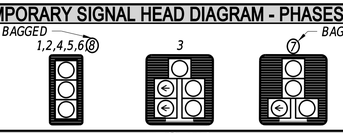
NEMA PHASING



PHASING NOTES

1. *PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.*
2. *PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.*

TEMPORARY SIGNAL HEAD DIAGRAM - PHASES 3-4



**SEE NOTE 15*

LEGEND

AB	*ABANDON*	OH 1	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 1	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 1	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		
WAVETRONIX DETECTION		
OPTICOM RECEIVER		
OVERHEAD SIGNING		
PEDESTRIAN POLE/BASE		
PEDESTRIAN PUSHBUTTON		
PEDESTRIAN SIGNAL HEAD		
RIGHT-OF-WAY		R/W
SERVICE PEDESTAL	P	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

Whitman, Requardt and Associates, LLP
Engineers • Architects • Environmental Planners Est. 1915

THIS SEAL APPLIES TO THIS SHEET ONLY

8/22/2024
DATE

KYLE O. CLEVENGER LICENSE No. 18723 DELAWARE PROFESSIONAL ENGINEER
SEAL

CONCURRENCE FOR INSTALLATION

CHIEF OF TRAFFIC ENGINEERING

8/23/2024
DATE

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	T201609601	PERMIT NO.	S291 & SCAM228
COUNTY	SUSSEX	DESIGNED BY:	A. DOELP
		CHECKED BY:	M. BUCKLEY

TEMPORARY SIGNAL PLAN - PHASE 3 US 9 BUS. (SAVANNAH ROAD) @ WESCOATS ROAD / OLD ORCHARD ROAD

SECTION	WRA
SHEET NO.	198

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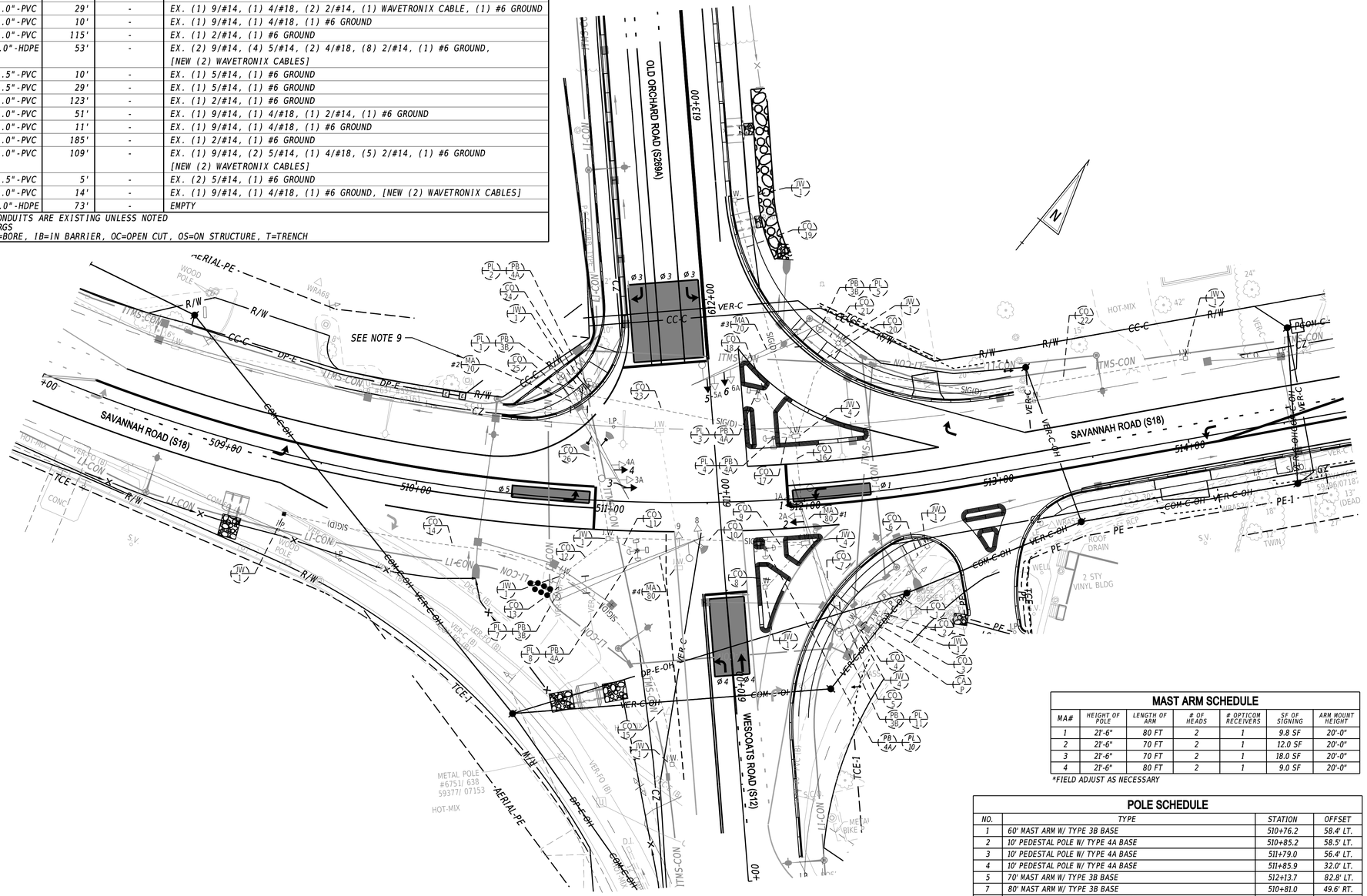
CONDUIT RUN SCHEDULE

CO NO.	NO. OF CONDUITS	SIZE/TYPE	LENGTH	INSTALL METHOD	AMOUNT AND TYPE OF CABLE / WIRE
1	1	2.0"-RGS	8'	-	EX. (3) #8 THHN - LINE SIDE
2	1	2.0"-RGS	6'	-	EX. (1) 2/#8 U.F. W/GROUND - LOAD SIDE
3	1	2.0"-RGS	5'	-	EX. (1) 2/#8 U.F. W/GROUND - LOAD SIDE
4	4	4.0"-PVC	7'	-	EX. (4) 9/#14, (8) 5/#14, (4) 4/#18, (14) 2/#14, (3) #6 GROUND, (1) CCTV CAMERA CABLE, (2) WAVETRONIX CABLES, [NEW (2) WAVETRONIX CABLES]
5	1	3.0"-PVC	9'	-	EX.(1) 9/#14, (1) 4/#18, (1) #6 GROUND, (1) WAVETRONIX CABLE, (1) CCTV CAMERA CABLE
6	1	4.0"-PVC	50'	-	EX.(1) 2/#14, (1) #6 GROUND
7	1	4.0"-HDPE	46'	-	EX. (3) 9/#14, (8) 5/#14, (3) 4/#18, (13) 2/#14, (1) #6 GROUND, (1) WAVETRONIX CABLE, [NEW (2) WAVETRONIX CABLES]
8	1	4.0"-PVC	28'	-	EX. (2) 2/#14, (1) #6 GROUND
9	1	2.5"-PVC	19'	-	EX. (2) 5/#14, (1) #6 GROUND
10	1	4.0"-HDPE	99'	-	EX. (1) 9/#14, (2) 5/#14, (1) 4/#18, (3) 2/#14, (1) WAVETRONIX CABLE, (1) #6 GROUND
11	1	2.5"-PVC	16'	-	EX. (2) 5/#14, (1) #6 GROUND
12	1	4.0"-PVC	29'	-	EX. (1) 9/#14, (1) 4/#18, (2) 2/#14, (1) WAVETRONIX CABLE, (1) #6 GROUND
13	1	3.0"-PVC	10'	-	EX. (1) 9/#14, (1) 4/#18, (1) #6 GROUND
15	1	4.0"-PVC	115'	-	EX. (1) 2/#14, (1) #6 GROUND
16	1	4.0"-HDPE	53'	-	EX. (2) 9/#14, (4) 5/#14, (2) 4/#18, (8) 2/#14, (1) #6 GROUND, [NEW (2) WAVETRONIX CABLES]
17	1	2.5"-PVC	10'	-	EX. (1) 5/#14, (1) #6 GROUND
18	1	2.5"-PVC	29'	-	EX. (1) 5/#14, (1) #6 GROUND
19	1	4.0"-PVC	123'	-	EX. (1) 2/#14, (1) #6 GROUND
20	1	4.0"-PVC	51'	-	EX. (1) 9/#14, (1) 4/#18, (1) 2/#14, (1) #6 GROUND
21	1	3.0"-PVC	11'	-	EX. (1) 9/#14, (1) 4/#18, (1) #6 GROUND
22	1	4.0"-PVC	185'	-	EX. (1) 2/#14, (1) #6 GROUND
23	1	4.0"-PVC	109'	-	EX. (1) 9/#14, (2) 5/#14, (1) 4/#18, (5) 2/#14, (1) #6 GROUND [NEW (2) WAVETRONIX CABLES]
24	1	2.5"-PVC	5'	-	EX. (2) 5/#14, (1) #6 GROUND
25	1	3.0"-PVC	14'	-	EX. (1) 9/#14, (1) 4/#18, (1) #6 GROUND, [NEW (2) WAVETRONIX CABLES]
26	1	4.0"-HDPE	73'	-	EMPTY

* ALL CABLES AND CONDUITS ARE EXISTING UNLESS NOTED
TYPES: HDPE, PVC, RGS
INSTALL METHODS: B=BORE, IB=IN BARRIER, OC=OPEN CUT, OS=ON STRUCTURE, T=TRENCH

NOTES:

3. *PROPOSED WAVETRONIX DETECTION ZONES (TO BE INSTALLED AT THE START OF PHASE 5): STOPLINE - TO BE INSTALLED FOR SAVANNAH ROAD LEFT TURN MOVEMENTS, WESCOATS ROAD THROUGH AND LEFT TURN MOVEMENTS AND FOR ALL OLD ORCHARD ROAD MOVEMENTS.*
4. *DELDOT'S TRAFFIC CONTRACTOR SHALL SLIDE EXISTING SIGNAL HEADS 2A, 3A, 4A AND 6A TO PROPOSED PHASE 5 SIGNAL HEAD LOCATIONS 2, 3, 4 AND 6 AS SHOWN.*
5. *DELDOT'S TRAFFIC CONTRACTOR SHALL REMOVE SIGNAL HEADS 1A AND 5A AND INSTALL SIGNAL HEADS 1 AND 5, AS SHOWN, AT THE START OF PHASE 5.*
6. *DELDOT'S TRAFFIC CONTRACTOR SHALL UNBAG EXISTING SIGNAL HEADS 7 AND 8 AT THE START OF PHASE 5.*
7. *ALL PEDESTRIAN SIGNAL HEADS SHALL BE BAGGED UNTIL FINAL PAVEMENT MARKINGS ARE INSTALLED.*
8. *DELDOT TRAFFIC / TMC SHALL MODIFY THE SIGNAL PHASING AS SHOWN UPON OPENING OLD ORCHARD ROAD TO TRAFFIC.*
9. *DELDOT'S TRAFFIC CONTRACTOR SHALL INSTALL 2 WAVETRONIX DETECTORS TO THE EXISTING MAST ARM, AS SHOWN.*



MAST ARM SCHEDULE

MA#	HEIGHT OF POLE	LENGTH OF ARM	# OF HEADS	# OPTICOM RECEIVERS	SF OF SIGNING	ARM MOUNT HEIGHT
1	21'-6"	80 FT	2	1	9.8 SF	20'-0"
2	21'-6"	70 FT	2	1	12.0 SF	20'-0"
3	21'-6"	70 FT	2	1	18.0 SF	20'-0"
4	21'-6"	80 FT	2	1	9.0 SF	20'-0"

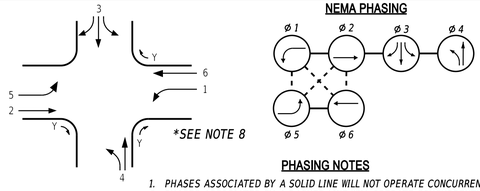
*FIELD ADJUST AS NECESSARY

POLE SCHEDULE

NO.	TYPE	STATION	OFFSET
1	60' MAST ARM W/ TYPE 3B BASE	510+76.2	58.4' LT.
2	10' PEDESTAL POLE W/ TYPE 4A BASE	510+85.2	58.5' LT.
3	10' PEDESTAL POLE W/ TYPE 4A BASE	511+79.0	56.4' LT.
4	10' PEDESTAL POLE W/ TYPE 4A BASE	511+85.9	32.0' LT.
5	70' MAST ARM W/ TYPE 3B BASE	512+13.7	82.8' LT.
7	80' MAST ARM W/ TYPE 3B BASE	510+81.0	49.6' RT.
8	10' PEDESTAL POLE W/ TYPE 4A BASE	511+14.8	25.0' RT.
10	10' PEDESTAL POLE W/ TYPE 4A BASE	511+78.6	24.6' RT.
11	80' MAST ARM W/ TYPE 3B BASE	512+12.0	66.4' RT.

*ALL POLES ARE EXISTING

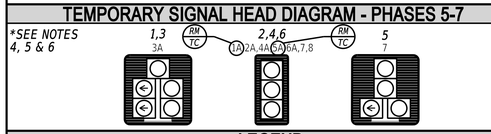
TEMPORARY SIGNAL PHASING - PHASES 5-7



PHASING NOTES

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.

TEMPORARY SIGNAL HEAD DIAGRAM - PHASES 5-7



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		
WAVETRONIX DETECTION		
OPTICOM RECEIVER		
OVERHEAD SIGNING		
PEDESTRIAN POLE/BASE		
PEDESTRIAN PUSHBUTTON		
PEDESTRIAN SIGNAL HEAD		
RIGHT-OF-WAY	R/W	R/W
SERVICE PEDESTAL	P	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

Whitman, Requardt and Associates, LLP
Engineers • Architects • Environmental Planners Est. 1915

THIS SEAL APPLIES TO THIS SHEET ONLY — DATE: 8/22/2024

KYLE O. CLEVENGER — LICENSE No. 18723 — DELAWARE PROFESSIONAL ENGINEER — SEAL

CONCURRENCE FOR INSTALLATION

CHIEF OF TRAFFIC ENGINEERING — DATE: 8/23/2024

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	T201609601	PERMIT NO.	S291 & SCAM228
COUNTY	SUSSEX	DESIGNED BY:	A. DOELP
		CHECKED BY:	M. BUCKLEY

TEMPORARY SIGNAL PLAN - PHASE 5 US 9 BUS. (SAVANNAH ROAD) @ WESCOATS ROAD / OLD ORCHARD ROAD

SECTION: WRA
SHEET NO.: 199

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CONDUIT RUN SCHEDULE

CO NO.	NO. OF CONDUITS	SIZE/TYPE	LENGTH	INSTALL METHOD	AMOUNT AND TYPE OF CABLE / WIRE
1	1	2.0"-RGS	8'	-	EX. (3) #8 THHN - LINE SIDE
2	1	2.0"-RGS	6'	-	EX. (1) 2/#8 U.F. W/GROUND - LOAD SIDE
3	1	2.0"-RGS	5'	-	EX. (1) 2/#8 U.F. W/GROUND - LOAD SIDE
4	4	4.0"-PVC	7'	-	EX. (4) 9/#14, (8) 5/#14, (4) 4/#18, (14) 2/#14, (3) #6 GROUND, (1) CCTV CAMERA CABLE, (4) WAVETRONIX CABLES
5	1	3.0"-PVC	9'	-	EX.(1) 9/#14, (1) 4/#18, (1) #6 GROUND, (1) WAVETRONIX CABLE, (1) CCTV CAMERA CABLE
6	1	4.0"-PVC	50'	-	EX.(1) 2/#14, (1) #6 GROUND
7	1	4.0"-HDPE	46'	-	EX. (3) 9/#14, (8) 5/#14, (3) 4/#18, (13) 2/#14, (1) WAVETRONIX CABLE, (1) #6 GROUND,
8	1	4.0"-PVC	28'	-	EX. (2) 2/#14, (1) #6 GROUND
9	1	2.5"-PVC	19'	-	EX. (2) 5/#14, (1) #6 GROUND
10	1	4.0"-HDPE	99'	-	EX. (1) 9/#14, (2) 5/#14, (1) 4/#18, (3) 2/#14, (1) WAVETRONIX CABLE, (1) #6 GROUND
11	1	2.5"-PVC	16'	-	EX. (2) 5/#14, (1) #6 GROUND
12	1	4.0"-PVC	29'	-	EX. (1) 9/#14, (1) 4/#18, (2) 2/#14, (1) WAVETRONIX CABLE, (1) #6 GROUND
13	1	3.0"-PVC	10'	-	EX. (1) 9/#14, (1) 4/#18, (1) #6 GROUND
15	1	4.0"-PVC	115'	-	EX. (1) 2/#14, (1) #6 GROUND
16	1	4.0"-HDPE	53'	-	EX. (2) 9/#14, (4) 5/#14, (2) 4/#18, (8) 2/#14, (2) WAVETRONIX CABLES, (1) #6 GROUND
17	1	2.5"-PVC	10'	-	EX. (1) 5/#14, (1) #6 GROUND
18	1	2.5"-PVC	29'	-	EX. (1) 5/#14, (1) #6 GROUND
19	1	4.0"-PVC	123'	-	EX. (1) 2/#14, (1) #6 GROUND
20	1	4.0"-PVC	51'	-	EX. (1) 9/#14, (1) 4/#18, (1) 2/#14, (1) #6 GROUND
21	1	3.0"-PVC	11'	-	EX. (1) 9/#14, (1) 4/#18, (1) #6 GROUND
22	1	4.0"-PVC	185'	-	EX. (1) 2/#14, (1) #6 GROUND
23	1	4.0"-PVC	109'	-	EX. (1) 9/#14, (2) 5/#14, (1) 4/#18, (5) 2/#14, (2) WAVETRONIX CABLES, (1) #6 GROUND
24	1	2.5"-PVC	5'	-	EX. (2) 5/#14, (1) #6 GROUND
25	1	3.0"-PVC	14'	-	EX. (1) 9/#14, (1) 4/#18, (2) WAVETRONIX CABLES, (1) #6 GROUND
26	1	4.0"-HDPE	73'	-	EMPTY

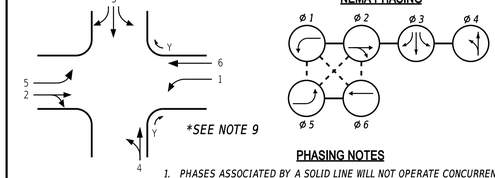
* ALL CABLES AND CONDUITS ARE EXISTING
TYPES: HDPE, PVC, RGS
INSTALL METHODS: B=BORE, IB=IN BARRIER, OC=OPEN CUT, OS=ON STRUCTURE, T=TRENCH

NOTES:

3. *PROPOSED WAVETRONIX DETECTION ZONES (TO BE INSTALLED AT THE START OF PHASE 8): STOPLINE - TO BE INSTALLED FOR SAVANNAH ROAD LEFT TURN MOVEMENTS, WESCOATS ROAD THROUGH AND LEFT TURN MOVEMENTS AND FOR ALL OLD ORCHARD ROAD MOVEMENTS.*
4. *DELDOT'S TRAFFIC CONTRACTOR SHALL SLIDE EXISTING SIGNAL HEADS 1A, 2A, 3A AND 4A TO PROPOSED PHASE 8 SIGNAL HEAD LOCATIONS 1, 2, 3 AND 4 AS SHOWN.*
5. *DELDOT'S TRAFFIC CONTRACTOR SHALL MODIFY THE WAVETRONIX DETECTION ZONES AT THE START OF PHASE 8.*
6. *DELDOT'S TRAFFIC CONTRACTOR SHALL BAG EXISTING SIGNAL HEADS 5 AND 6 FOR THE DURATION OF PHASE 10. AT THE CONCLUSION OF PHASE 10, DELDOT'S TRAFFIC CONTRACTOR SHALL UNBAG SIGNAL HEADS 5 AND 6 AND DELDOT TRAFFIC/TMC SHALL MODIFY THE SIGNAL PHASING TO PHASE 11 CONFIGURATION.*
7. *DELDOT'S TRAFFIC CONTRACTOR SHALL REMOVE THE TEMPORARY WAVETRONIX DETECTORS FROM MAST ARM NOS. 1, 2, AND 4 AT THE CONCLUSION OF PHASE 11 ONCE THE IN GROUND LOOP DETECTION IS OPERATIONAL AND RETURN TO DELDOT.*
8. *DELDOT'S TRAFFIC CONTRACTOR SHALL UNBAG THE PEDESTRIAN SIGNAL HEADS AND ACTIVATE PEDESTRIAN MOVEMENTS ONCE FINAL PAVEMENT MARKINGS ARE INSTALLED.*
9. *DELDOT TRAFFIC / TMC SHALL MODIFY THE SIGNAL PHASING AS SHOWN TO REMOVE NEMA PHASE 4 AT THE START OF PHASE 10 AND ADD IT BACK AT THE START OF PHASE 11.*

TEMPORARY SIGNAL PHASING - PHASES 8-9, 11

NEMA PHASING

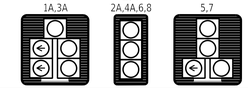


PHASING NOTES

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.

TEMPORARY SIGNAL HEAD DIAGRAM - PHASES 8-9, 11

*SEE NOTE 4



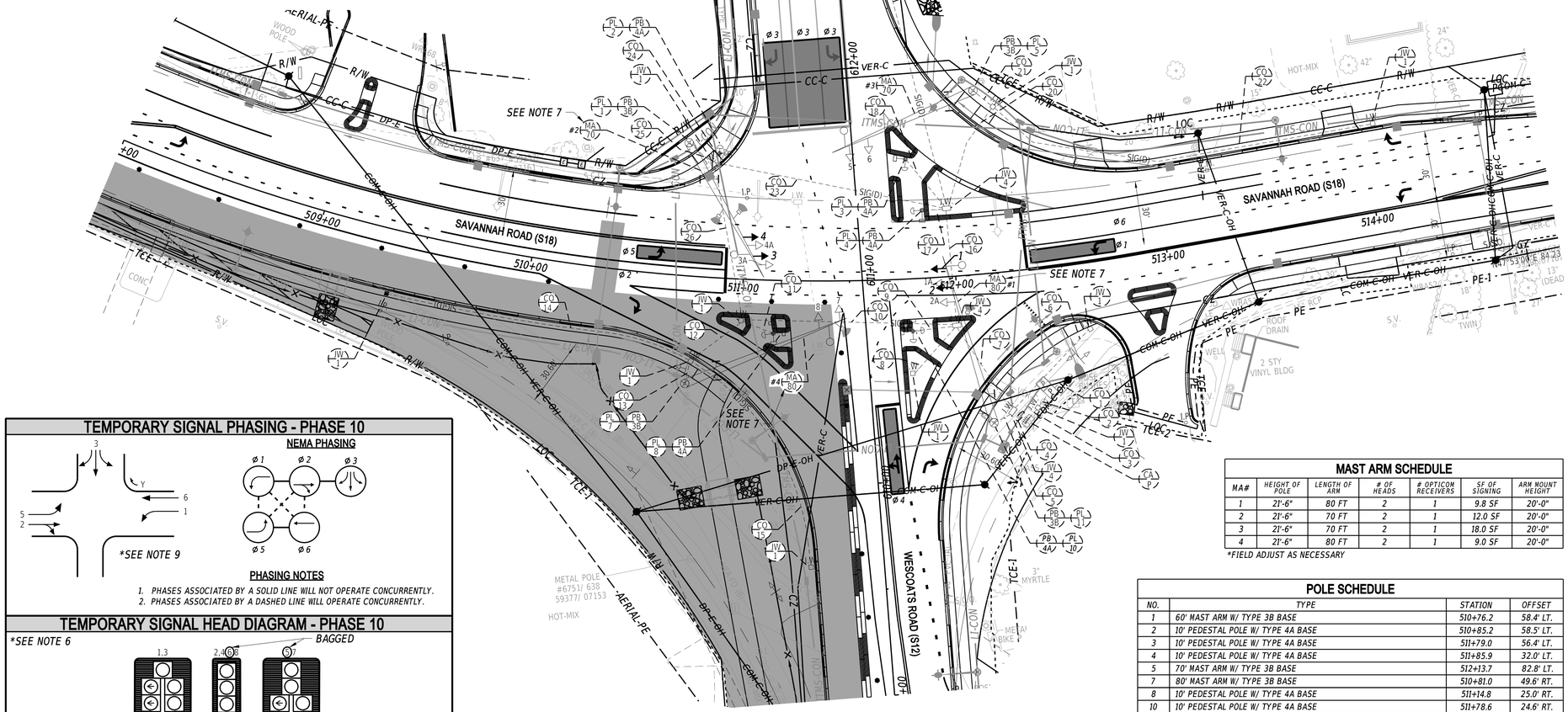
LEGEND

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	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.



TEMPORARY SIGNAL PHASING - PHASE 10

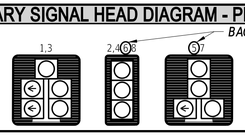
NEMA PHASING

PHASING NOTES

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.

TEMPORARY SIGNAL HEAD DIAGRAM - PHASE 10

*SEE NOTE 6



MAST ARM SCHEDULE

MA#	HEIGHT OF POLE	LENGTH OF ARM	# OF HEADS	# OPTICOM RECEIVERS	SF OF SIGNING	ARM MOUNT HEIGHT
1	21'-6"	80 FT	2	1	9.8 SF	20'-0"
2	21'-6"	70 FT	2	1	12.0 SF	20'-0"
3	21'-6"	70 FT	2	1	18.0 SF	20'-0"
4	21'-6"	80 FT	2	1	9.0 SF	20'-0"

*FIELD ADJUST AS NECESSARY

POLE SCHEDULE

NO.	TYPE	STATION	OFFSET
1	60' MAST ARM W/ TYPE 3B BASE	510+76.2	58.4' LT.
2	10' PEDESTAL POLE W/ TYPE 4A BASE	510+85.2	58.5' LT.
3	10' PEDESTAL POLE W/ TYPE 4A BASE	511+79.0	56.4' LT.
4	10' PEDESTAL POLE W/ TYPE 4A BASE	511+85.9	32.0' LT.
5	70' MAST ARM W/ TYPE 3B BASE	512+13.7	82.8' LT.
7	80' MAST ARM W/ TYPE 3B BASE	510+81.0	49.6' RT.
8	10' PEDESTAL POLE W/ TYPE 4A BASE	511+14.8	25.0' RT.
10	10' PEDESTAL POLE W/ TYPE 4A BASE	511+78.6	24.6' RT.
11	80' MAST ARM W/ TYPE 3B BASE	512+12.0	66.4' RT.

*ALL POLES ARE EXISTING

PREPARED BY

Whitman, Requardt and Associates, LLP
Engineers • Architects • Environmental Planners Est. 1915

THIS SEAL APPLIES TO THIS SHEET ONLY

8/22/2024
DATE

KYLE O. CLEVENGER LICENSE No. 18723 DELAWARE PROFESSIONAL ENGINEER
SEAL

CONCURRENCE FOR INSTALLATION

CHIEF OF TRAFFIC ENGINEERING

8/23/2024
DATE

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	T201609601	PERMIT NO.	S291 & SCAM228
COUNTY	SUSSEX	DESIGNED BY:	A. DOELP
		CHECKED BY:	M. BUCKLEY

TEMPORARY SIGNAL PLAN - PHASE 8
US 9 BUS. (SAVANNAH ROAD)
@ WESCOATS ROAD /
OLD ORCHARD ROAD

SECTION	WRA
SHEET NO.	200

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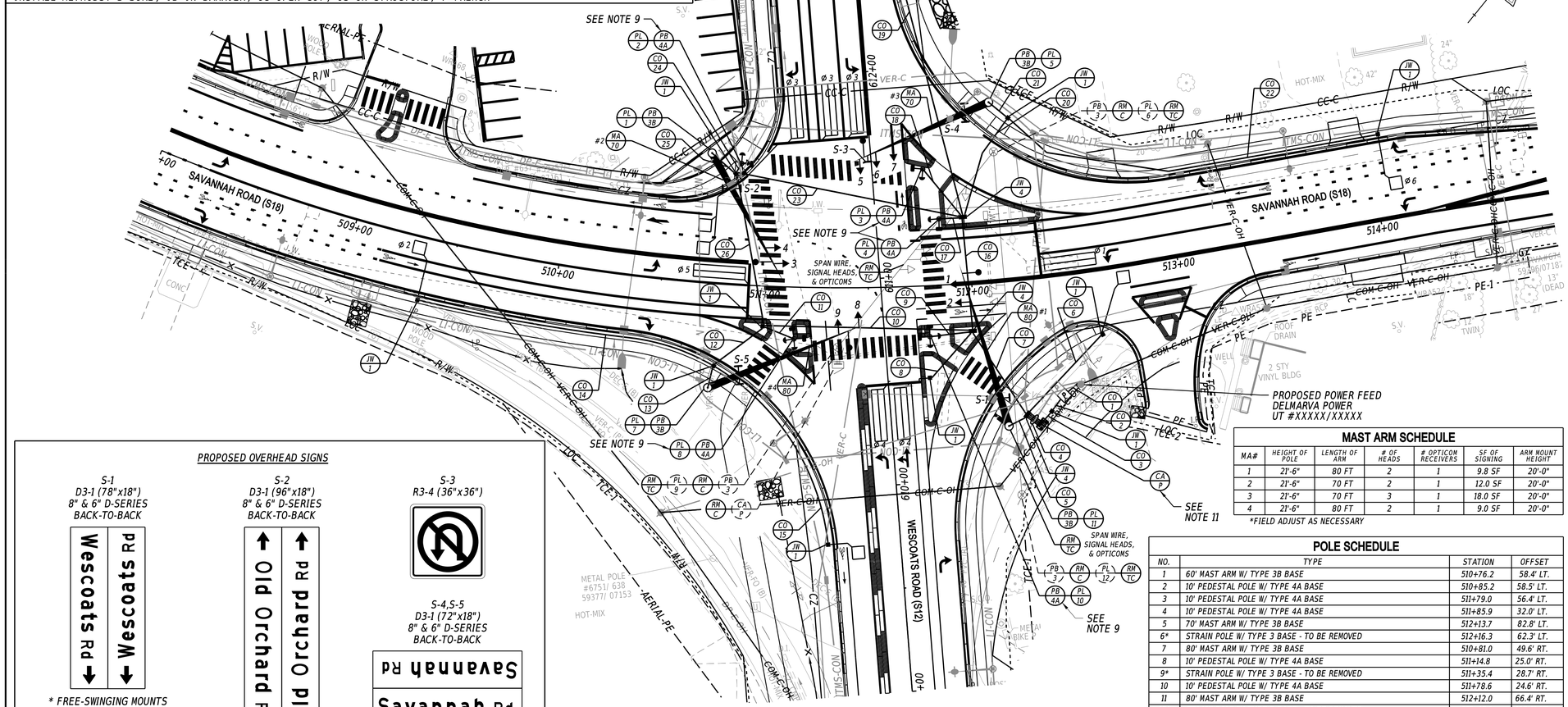
CONDUIT RUN SCHEDULE

CO NO.	NO. OF CONDUITS	SIZE/TYPE	LENGTH	INSTALL METHOD	AMOUNT AND TYPE OF CABLE / WIRE
1	1	2.0"-RGS	8'	TRENCH	(3) #8 THHN - LINE SIDE
2	1	2.0"-RGS	6'	TRENCH	(1) 2/#8 U.F. W/GROUND - LOAD SIDE
3	1	2.0"-RGS	5'	TRENCH	(1) 2/#8 U.F. W/GROUND - LOAD SIDE
4	4	4.0"-PVC	7'	TRENCH	(4) 9/#14, (8) 5/#14, (4) 4/#18, (14) 2/#14, (3) #6 GROUND, (1) CCTV CAMERA CABLE
5	1	3.0"-PVC	9'	TRENCH	(1) 9/#14, (1) 4/#18, (1) #6 GROUND, (1) CCTV CAMERA CABLE
6	1	4.0"-PVC	50'	TRENCH	(1) 2/#14, (1) #6 GROUND
7	1	4.0"-HDPE	46'	BORE	(3) 9/#14, (8) 5/#14, (3) 4/#18, (13) 2/#14, (1) #6 GROUND
8	1	4.0"-PVC	28'	TRENCH	(2) 2/#14, (1) #6 GROUND
9	1	2.5"-PVC	19'	TRENCH	(2) 5/#14, (1) #6 GROUND
10	1	4.0"-HDPE	99'	BORE	(1) 9/#14, (2) 5/#14, (1) 4/#18, (3) 2/#14, (1) #6 GROUND
11	1	2.5"-PVC	16'	TRENCH	(2) 5/#14, (1) #6 GROUND
12	1	4.0"-PVC	29'	TRENCH	(1) 9/#14, (1) 4/#18, (2) 2/#14, (1) #6 GROUND
13	1	3.0"-PVC	10'	TRENCH	(1) 9/#14, (1) 4/#18, (1) #6 GROUND
14	1	4.0"-PVC	145'	TRENCH	(1) 2/#14, (1) #6 GROUND
15	1	4.0"-PVC	115'	TRENCH	(1) 2/#14, (1) #6 GROUND
16	1	4.0"-HDPE	53'	BORE	(2) 9/#14, (4) 5/#14, (2) 4/#18, (8) 2/#14, (1) #6 GROUND
17	1	2.5"-PVC	10'	TRENCH	(1) 5/#14, (1) #6 GROUND
18	1	2.5"-PVC	29'	TRENCH	(1) 5/#14, (1) #6 GROUND
19	1	4.0"-PVC	123'	TRENCH	(1) 2/#14, (1) #6 GROUND
20	1	4.0"-PVC	51'	TRENCH	(1) 9/#14, (1) 4/#18, (1) 2/#14, (1) #6 GROUND
21	1	3.0"-PVC	11'	TRENCH	(1) 9/#14, (1) 4/#18, (1) #6 GROUND
22	1	4.0"-PVC	185'	TRENCH	(1) 2/#14, (1) #6 GROUND
23	1	4.0"-PVC	109'	TRENCH	(1) 9/#14, (2) 5/#14, (1) 4/#18, (5) 2/#14, (1) #6 GROUND
24	1	2.5"-PVC	5'	TRENCH	(2) 5/#14, (1) #6 GROUND
25	1	3.0"-PVC	14'	TRENCH	(1) 9/#14, (1) 4/#18, (1) #6 GROUND
26	1	4.0"-HDPE	73'	BORE	EMPTY

* ALL CABLES ARE NEW
TYPES: HDPE, PVC, RGS
INSTALL METHODS: B=BORE, IB=IN BARRIER, OC=OPEN CUT, OS=ON STRUCTURE, T=TRENCH

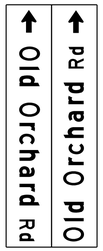


PROPOSED OVERHEAD SIGNS

S-1
D3-1 (78"x18")
8" & 6" D-SERIES
BACK-TO-BACK

* FREE-SWINGING MOUNTS

S-2
D3-1 (96"x18")
8" & 6" D-SERIES
BACK-TO-BACK



* FREE-SWINGING MOUNTS

S-3
R3-4 (36"x36")

S-4,S-5
D3-1 (72"x18")
8" & 6" D-SERIES
BACK-TO-BACK

* FREE-SWINGING MOUNTS

NOTES:

3. *ALL EXISTING LOOP DETECTORS SHALL BE ABANDONED.*

   PROPOSED LOOP DETECTORS:
   TYPE #1 - 6' x 6' - TO BE INSTALLED ON SAVANNAH ROAD THROUGH MOVEMENTS.
   TYPE #2 - 6' x 25' - TO BE INSTALLED ON SAVANNAH ROAD LEFT TURN MOVEMENTS, OLD ORCHARD ROAD ALL MOVEMENTS, AND WESCOATS ROAD THROUGH AND LEFT TURN MOVEMENTS.
   SYSTEM - 6' x 6' - TO BE INSTALLED IN SAVANNAH ROAD, OLD ORCHARD ROAD, AND WESCOATS ROAD RECEIVING LANES, AS SHOWN.

4. *PROPOSED SIGNAL POLES ARE DELDOT MAST ARMS.*

5. *POLE BASES, CABINET BASE AND CONDUIT JUNCTION WELLS TO BE REMOVED IN ACCORDANCE WITH SECTION 211 OF THE STANDARD SPECIFICATIONS OR AS DIRECTED BY ENGINEER. EXISTING CONDUIT IS TO BE ABANDONED.*

6. *ALL GALVANIZED CONDUIT (GRC) SHALL BE REAMED AND THREADED. ALL GRC SHALL BE THREADED TOGETHER WITH APPROVED COUPLINGS. SET SCREW, BOLTED, AND COMPRESSION FITTING ARE NOT ACCEPTABLE.*

7. *ALL EXISTING JUNCTION WELLS SHALL BE REMOVED AND ALL EXISTING CONDUIT SHALL BE ABANDONED, UNLESS OTHERWISE NOTED.*

8. *THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND REMOVAL OF ALL UNDERGROUND SIGNAL EQUIPMENT - E.G., JUNCTION WELLS, POLE AND CABINET BASES, LOOP DETECTORS, CONDUIT, AND ASSOCIATED MOT. DELDOT'S TRAFFIC CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND REMOVAL OF ALL ELECTRICAL CABLES AND ABOVE GROUND SIGNAL EQUIPMENT - E.G., HEADS, POLES, OPTICOM RECEIVERS, SPAN WIRE, SERVICE PEDESTAL, MAST ARMS, OVERHEAD SIGNS, SIGNAL CABINETS, FISHEYE AND ASSOCIATED MOT.*

9. *THE PEDESTRIAN PUSHBUTTON SHOULD BE INSTALLED AT A HEIGHT OF 38 TO 46 INCHES ABOVE THE TURNING SPACE AND SHOULD BE LOCATED SUCH THAT THE MAXIMUM REACH DISTANCE DOES NOT EXCEED 10 INCHES FROM THE TURNING SPACE TO THE FACE OF THE PUSHBUTTON.*

10. *ALL PEDESTRIAN SIGNALS SHALL CONTAIN PEDESTRIAN COUNTDOWN DISPLAYS. PL NOS. 2, 8, & 10 = R10-3e-DE (NO ARROW); PL NO. 3 = R10-3eL (LEFT ARROW); PL NO. 4 = R10-3eR (RIGHT ARROW).*

11. *DELDOT'S TRAFFIC CONTRACTOR SHALL INSTALL BACKPLATES ON ALL PROPOSED SIGNAL HEADS.*

12. *DELDOT TRAFFIC/OIT SHALL COORDINATE THE FIBER OPTIC CONNECTION INTO THE PROPOSED SIGNAL CABINET.*

13. *DELDOT'S TRAFFIC CONTRACTOR SHALL INSTALL A JOINT USE SIGNAL/CCTV CABINET.*

14. *SEE ITMS CONDUIT PLANS FOR FIBER OPTIC CABLE INSTALLATION.*

15. *DELDOT TRAFFIC / TMC SHALL MODIFY THE SIGNAL PHASING, AS SHOWN.*

MAST ARM SCHEDULE

MA#	HEIGHT OF POLE	LENGTH OF ARM	# OF HEADS	# OPTICOM RECEIVERS	SF OF SIGNING	ARM MOUNT HEIGHT
1	21'-6"	80 FT	2	1	9.8 SF	20'-0"
2	21'-6"	70 FT	2	1	12.0 SF	20'-0"
3	21'-6"	70 FT	3	1	18.0 SF	20'-0"
4	21'-6"	80 FT	2	1	9.0 SF	20'-0"

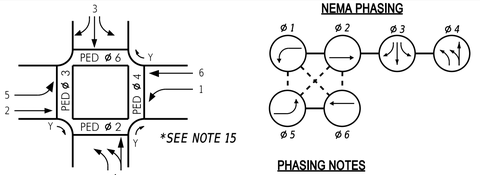
*FIELD ADJUST AS NECESSARY

POLE SCHEDULE

NO.	TYPE	STATION	OFFSET
1	60' MAST ARM W/ TYPE 3B BASE	510+76.2	58.4' LT.
2	10' PEDESTAL POLE W/ TYPE 4A BASE	510+85.2	58.5' LT.
3	10' PEDESTAL POLE W/ TYPE 4A BASE	511+79.0	56.4' LT.
4	10' PEDESTAL POLE W/ TYPE 4A BASE	511+85.9	32.0' LT.
5	70' MAST ARM W/ TYPE 3B BASE	512+13.7	82.8' LT.
6*	STRAIN POLE W/ TYPE 3 BASE - TO BE REMOVED	512+16.3	62.3' LT.
7	80' MAST ARM W/ TYPE 3B BASE	510+81.0	49.6' RT.
8	10' PEDESTAL POLE W/ TYPE 4A BASE	511+14.8	25.0' RT.
9*	STRAIN POLE W/ TYPE 3 BASE - TO BE REMOVED	511+35.4	28.7' RT.
10	10' PEDESTAL POLE W/ TYPE 4A BASE	511+78.6	24.6' RT.
11	80' MAST ARM W/ TYPE 3B BASE	512+12.0	66.4' RT.
12*	STRAIN POLE W/ TYPE 3 BASE - TO BE REMOVED	512+15.0	103.9' RT.

*EXISTING

ULTIMATE SIGNAL PHASING



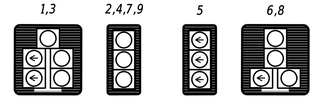
PHASING NOTES

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.

ULTIMATE SIGNAL HEAD DIAGRAM

*ALL EXISTING SIGNAL HEADS SHALL BE REMOVED

*SEE NOTE 10



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	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

Whitman, Requardt and Associates, LLP
Engineers • Architects • Environmental Planners Est. 1915

8/22/2024
DATE

THIS SEAL APPLIES TO THIS SHEET ONLY.

KYLE O. CLEVENGER LICENSE No. 18723 DELAWARE PROFESSIONAL ENGINEER
SEAL

CONCURRENCE FOR INSTALLATION

CHIEF OF TRAFFIC ENGINEERING

8/23/2024
DATE

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	PERMIT NO.	S291 & SCAM228
T201609601	DESIGNED BY:	A. DOELP
COUNTY	CHECKED BY:	M. BUCKLEY
SUSSEX		

ULTIMATE SIGNAL PLAN US 9 BUS. (SAVANNAH ROAD) @ WESCOATS ROAD / OLD ORCHARD ROAD

SECTION	WRA
SHEET NO.	201

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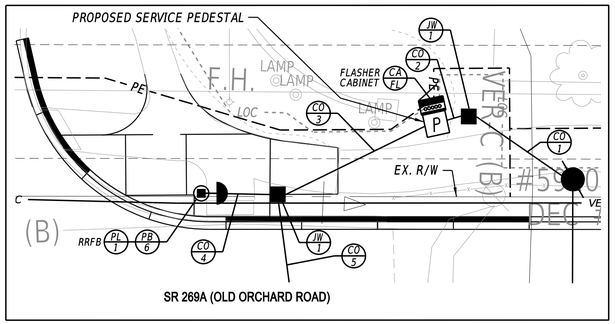
CONDUIT RUN SCHEDULE

CO NO.	NO. OF CONDUITS	SIZE/TYPE	LENGTH	INSTALL METHOD	AMOUNT AND TYPE OF CABLE / WIRE
1	1	2.0"-RGS	15'	TRENCH	(3) #8 THHN - LINE SIDE
2	1	2.0"-RGS	2'	TRENCH	(3) #8 THHN - LINE SIDE
3	1	2.0"-RGS	21'	TRENCH	(3) 9/#14, (1) #6 GROUND
4	1	3.0"-PVC	9'	TRENCH	(1) 9/#14, (1) #6 GROUND
5	1	4.0"-HDPE	23'	BORE	(2) 9/#14, (1) #6 GROUND
6	1	3.0"-PVC	4'	TRENCH	(1) 9/#14, (1) #6 GROUND
7	1	4.0"-HDPE	40'	BORE	(1) 9/#14, (1) #6 GROUND
8	1	3.0"-PVC	9'	TRENCH	(1) 9/#14, (1) #6 GROUND

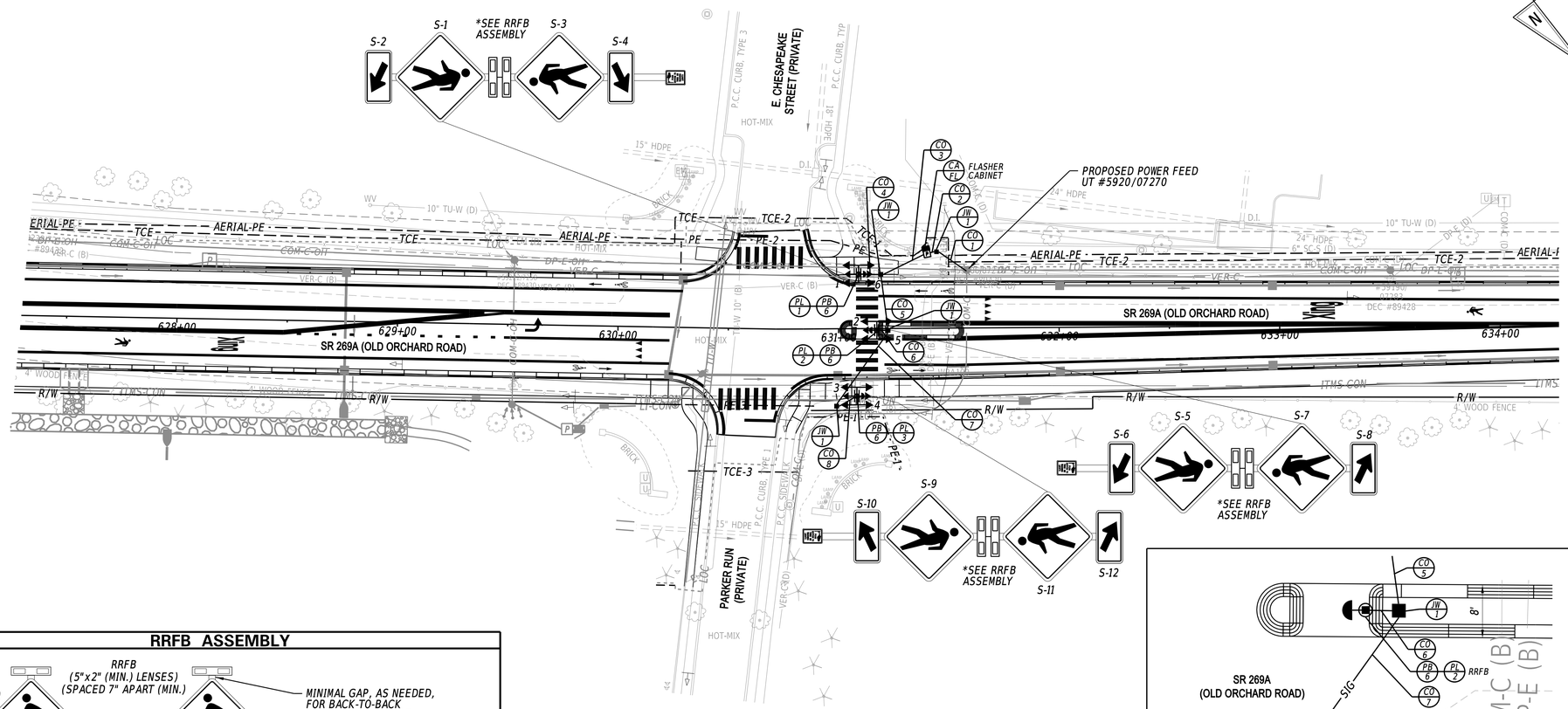
* ALL CABLES ARE NEW
TYPES: HDPE, PVC, RGS
INSTALL METHODS: B=BORE, IB=IN BARRIER, OC=OPEN CUT, OS=ON STRUCTURE, T=TRENCH

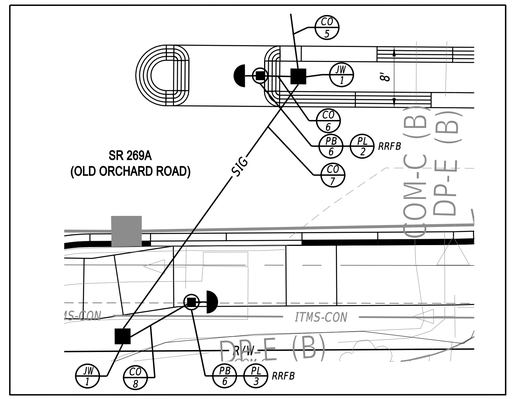
NOTES:

3. ALL GALVANIZED CONDUIT (GRC) SHALL BE REAMED AND THREADED. ALL GRC SHALL BE THREADED TOGETHER WITH APPROVED COUPLINGS. SET SCREW, BOLTED, AND COMPRESSION FITTING ARE NOT ACCEPTABLE.
4. THE PEDESTRIAN PUSHBUTTON SHOULD BE INSTALLED AT A HEIGHT OF 38 TO 46 INCHES ABOVE THE TURNING SPACE AND SHOULD BE LOCATED SUCH THAT THE MAXIMUM REACH DISTANCE DOES NOT EXCEED 10 INCHES FROM THE TURNING SPACE TO THE FACE OF THE PUSHBUTTON.
5. THE PROPOSED RRFB FLASHER CABINET SHALL BE INSTALLED ON THE PROPOSED SERVICE PEDESTAL.
6. SEE SIGNING AND STRIPING PLANS FOR PAVEMENT MARKING CALLOUTS AND QUANTITIES ALONG WITH ADDITIONAL PEDESTRIAN SIGNAGE.



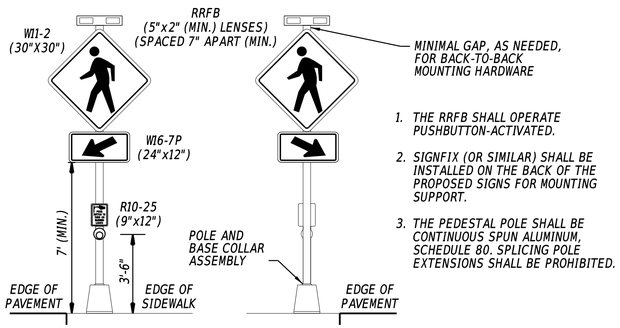
DETAIL 1 - WEST LEG CROSSING
SCALE: 1" = 10'





DETAIL 2 - EAST LEG CROSSING
SCALE: 1" = 10'

RRFB ASSEMBLY



1. THE RRFB SHALL OPERATE PUSHBUTTON-ACTIVATED.
2. SIGNFIX (OR SIMILAR) SHALL BE INSTALLED ON THE BACK OF THE PROPOSED SIGNS FOR MOUNTING SUPPORT.
3. THE PEDESTAL POLE SHALL BE CONTINUOUS SPUN ALUMINUM, SCHEDULE 80. SPLICING POLE EXTENSIONS SHALL BE PROHIBITED.

RRFB TIMESHEET PARAMETERS

48-FOOT PEDESTRIAN CLEARANCE

21-SECOND WARNING/FLASH TIME

SIGNAL HEAD DIAGRAM

1 - 6

ALTERNATELY FLASHING
(WW+S PATTERN)
YELLOW RRFB BEACONS

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	P
SIGNAL CABINET	▯	▮
SIGNAL HEAD	▷	→
SIGNAL POLE/BASE	⊗	⊙
CCTV CAMERA	·	·
SPAN WIRE	XX	⟷
UTILITY POLE	⊘	⊘
VIDEO DETECTION	◀	◀

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PREPARED BY

WRA Whitman, Requardt and Associates, LLP
Engineers • Architects • Environmental Planners Est. 1915

THIS SEAL APPLIES TO THIS SHEET ONLY. 8/22/2024 DATE

KYLE O. CLEVENGER LICENSE No. 18723 DELAWARE PROFESSIONAL ENGINEER
SEAL

CONCURRENCE FOR INSTALLATION

CHIEF OF TRAFFIC ENGINEERING 8/23/2024 DATE

ADDENDA / REVISIONS

SCALE 0 30 60 90 FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	T201609601	PERMIT NO.	S483
COUNTY	SUSSEX	DESIGNED BY: A. DOELP	
		CHECKED BY: M. BUCKLEY	

RRFB SIGNAL PLAN
OLD ORCHARD ROAD (S269A)
@ PARKER RUN/
E CHESAPEAKE STREET

SECTION WRA
SHEET NO. 202

LAST REVISED: 9/11/2018
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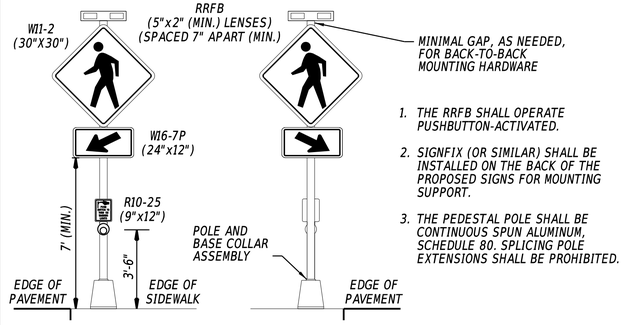
RRFB ASSEMBLY



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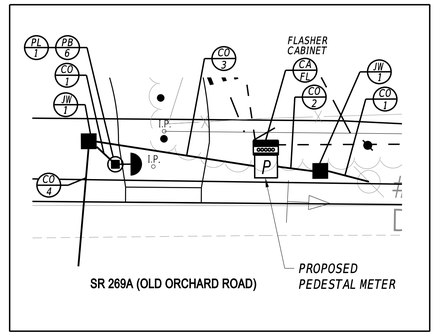
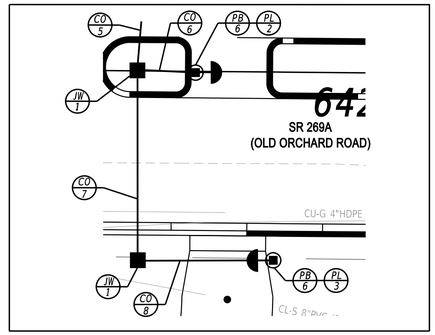
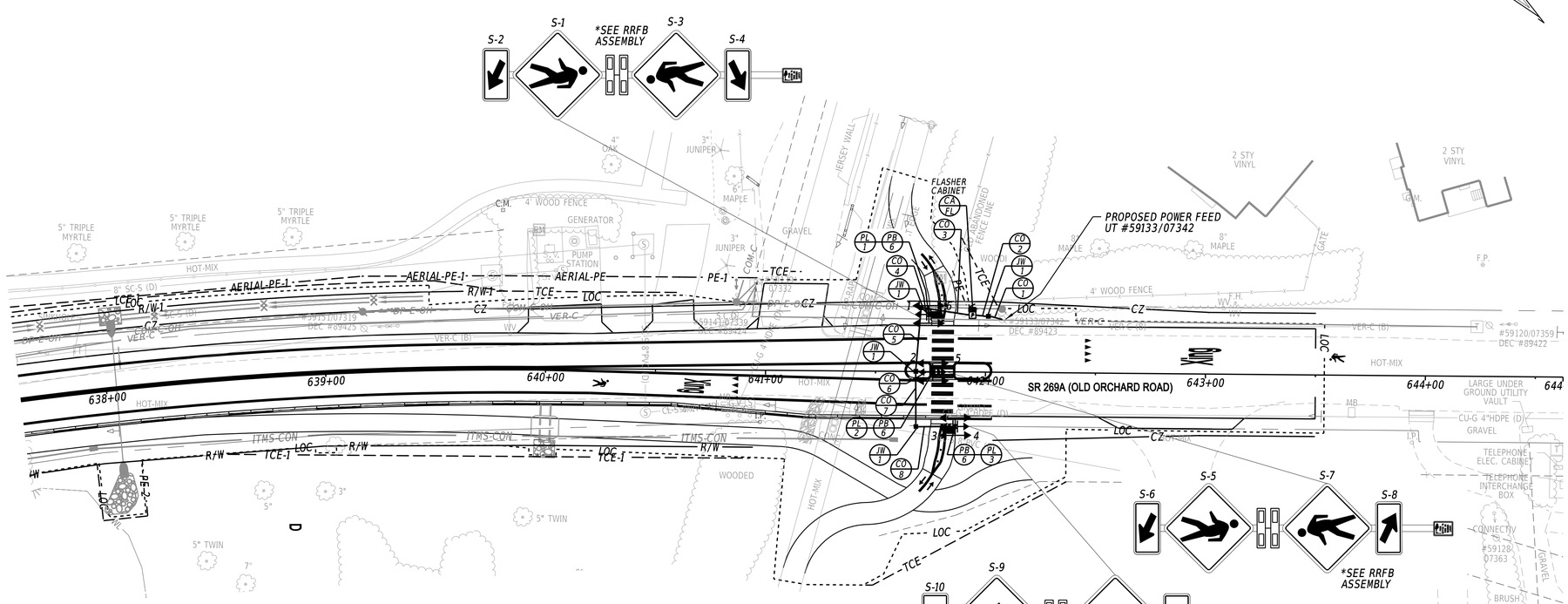


DETAIL 1 - WEST CROSSING
SCALE: 1" = 10'



DETAIL 2 - EAST CROSSING
SCALE: 1" = 10'



CONDUIT RUN SCHEDULE

CO NO.	NO. OF CONDUITS	SIZE/TYPE	LENGTH	INSTALL METHOD	AMOUNT AND TYPE OF CABLE / WIRE
1	1	2.0"-RGS	5'	TRENCH	(3) #8 THHN - LINE SIDE
2	1	2.0"-RGS	5'	TRENCH	(3) #8 THHN - LINE SIDE
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6	1	3.0"-PVC	7'	TRENCH	(1) 9/#14, (1) #6 GROUND
7	1	4.0"-HDPE	23'	BORE	(1) 9/#14, (1) #6 GROUND
8	1	3.0"-PVC	17'	TRENCH	(1) 9/#14, (1) #6 GROUND

* ALL CABLES ARE NEW
TYPES: HDPE, PVC, RGS
INSTALL METHODS: B=BORE, IB=IN BARRIER, OC=OPEN CUT, OS=ON STRUCTURE, T=TRENCH

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48-FOOT PEDESTRIAN CLEARANCE

21-SECOND WARNING/FLASH TIME

SIGNAL HEAD DIAGRAM

1 - 6

ALTERNATELY FLASHING
(WW+S PATTERN)
YELLOW RRFB BEACONS

LEGEND

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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	P
SIGNAL CABINET		
SIGNAL HEAD		
SIGNAL POLE/BASE		
CCTV CAMERA		
SPAN WIRE	XX	
UTILITY POLE		
VIDEO DETECTION		

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PREPARED BY

Whitman, Requardt and Associates, LLP
Engineers • Architects • Environmental Planners Est. 1915

THIS SEAL APPLIES TO THIS SHEET ONLY.

8/22/2024
DATE

KYLE O. CLEVENGER
LICENSE
No. 18723
DELAWARE
PROFESSIONAL ENGINEER
SEAL

CONCURRENCE FOR INSTALLATION

CHIEF OF TRAFFIC ENGINEERING

8/23/2024
DATE

ADDENDA / REVISIONS

SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	T201609601
COUNTY	SUSSEX
PERMIT NO.	S484
DESIGNED BY: A. DOELP	
CHECKED BY: M. BUCKLEY	

RRFB SIGNAL PLAN
OLD ORCHARD ROAD (S269A)
@ GEORGETOWN - LEWES
TRAIL CROSSING

SECTION	WRA
SHEET NO.	203

LAST REVISED: 9/11/2018
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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 REQUIREMENTS 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.

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.

INDEX OF SHEETS

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CEN	NOTES	TW-01	204
CEN	ITEM SCHEDULE	TW-02	205
CEN	INDEX OF SHEETS	TW-03	206
CEN	WATER RELOCATION PLAN	TW-04	207
CEN	WATER RELOCATION PLAN	TW-05	208
CEN	WATER RELOCATION PLAN	TW-06	209
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CEN	WATER RELOCATION PLAN	TW-08	211
CEN	DETAILS	TW-09	212
CEN	DETAILS	TW-10	213
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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 Conley

TIDEWATER UTILITIES INC. — 08-28-24 DATE

PREPARED BY
CENTURY ENGINEERING
A Kleinfelder Company
550 BAY ROAD
DOVER, DE 19901
(302) 734-9188

ANDREW JAKUBOWSKI — NO. 13906 — DELAWARE — PROFESSIONAL ENGINEER — SEAL

RECOMMENDED — 08-28-24 DATE

REVISIONS	

NOT TO SCALE

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY: CP	
COUNTY	CHECKED BY: AJ	
SUSSEX		

TIDEWATER WATER RELOCATION NOTES

TW-01
SECTION
CEN
SHEET NO.
204

28-AUG-2024
18:41
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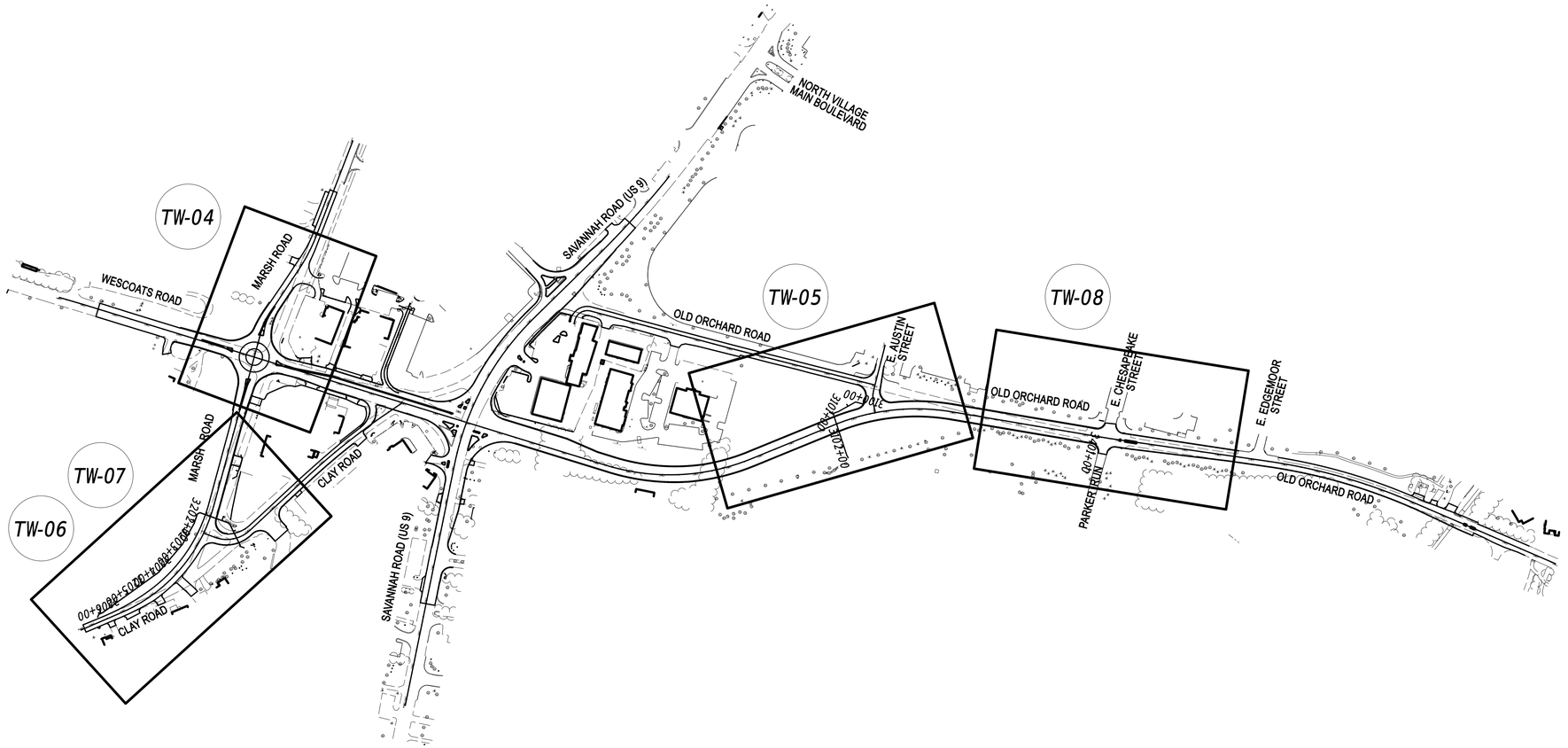
LUMP SUM BREAKDOWN FOR ITEM 710601;
INSTALLATION OF WATER MAIN AND ACCESSORIES;
REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER;
DELDOT CONTRACT T201609601

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
TU-1 STATION 3000+00 TO 3000+14 (ALL BENDS AND FITTINGS SHALL BE INCIDENTAL TO THE LINEAR FEET OF PIPE BEING INSTALLED)	710601	10" PVC C909 CL235	20 LF	N/A	4' BELOW PR GRADE	4' BELOW PR GRADE	2 EA, CONNECT TO EXISTING 10" MAIN 1 EA, RELOCATE EXISTING HYDRANT 1 EA, 2" TEMPORARY BLOW-OFF
TU-2 STATION 3100+00 TO 3102+37 (ALL BENDS AND FITTINGS SHALL BE INCIDENTAL TO THE LINEAR FEET OF PIPE BEING INSTALLED)	710601	10" PVC C909 CL235	237 LF	20" STEEL @ 59 FT*	4' BELOW PR GRADE	4' BELOW PR GRADE	1 EA, 10" WET TAP 1 EA, CONNECT TO EXISTING 10" MAIN 1 EA, GATE VALVE 10" 1 EA, 2" TEMPORARY BLOW-OFF
TU-3 STATION 3200+00 TO 3206+16 (ALL BENDS AND FITTINGS SHALL BE INCIDENTAL TO THE LINEAR FEET OF PIPE BEING INSTALLED)	710601	10" PVC C909 CL235 12" PVC C909 CL235	102 LF 514 LF	20" STEEL @ 54 FT* 24" STEEL @ 46 FT*	4' BELOW PR GRADE	4' BELOW PR GRADE	1 EA, 10" WET TAP 1 EA, CONNECT TO EXISTING 10" MAIN 1 EA, CONNECT TO EXISTING 12" MAIN 1 EA, GATE VALVE 10" 2 EA, GATE VALVE 12" 1 EA, FIRE HYDRANT ASSEMBLY 2 EA, REMOVE EXISTING FIRE HYDRANT 1 EA, 2" TEMPORARY BLOW-OFF 3 EA, REMOVE EXISTING WATER VALVE
TU-4 STATION 3300+00 TO 3300+80 (ALL BENDS AND FITTINGS SHALL BE INCIDENTAL TO THE LINEAR FEET OF PIPE BEING INSTALLED)	710601	10" PVC C909 CL235	80 LF	N/A	4' BELOW PR GRADE	4' BELOW PR GRADE	2 EA, CONNECT TO EXISTING 10" MAIN 1 EA, 2" TEMPORARY BLOW-OFF
TU-5 STATION 3400+00 TO 3401+64 (ALL BENDS AND FITTINGS SHALL BE INCIDENTAL TO THE LINEAR FEET OF PIPE BEING INSTALLED)	710601	10" PVC C909 CL235	164 LF	20" STEEL @ 74 FT*	4' BELOW PR GRADE	4' BELOW PR GRADE	1 EA, 10" WET TAP 1 EA, CONNECT TO EXISTING 10" MAIN 1 EA, 2" TEMPORARY BLOW-OFF



ADDENDA / REVISIONS

SCALE
0 200 400 600
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	T201609601	BRIDGE NO.	N/A
COUNTY	SUSSEX	DESIGNED BY:	CP
		CHECKED BY:	AJ

TIDEWATER WATER RELOCATION INDEX OF SHEETS

SECTION	TW-03
SHEET NO.	CEN
	206

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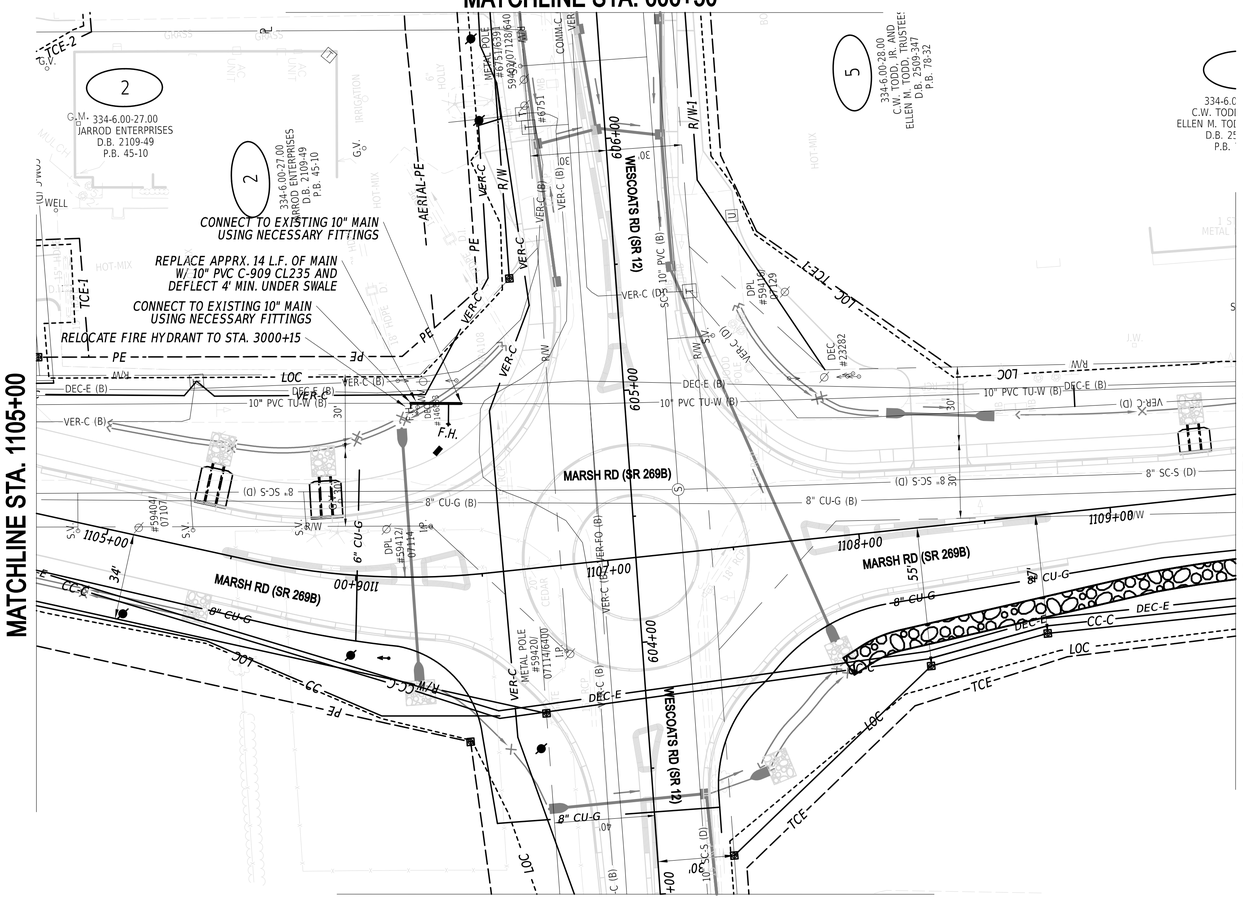
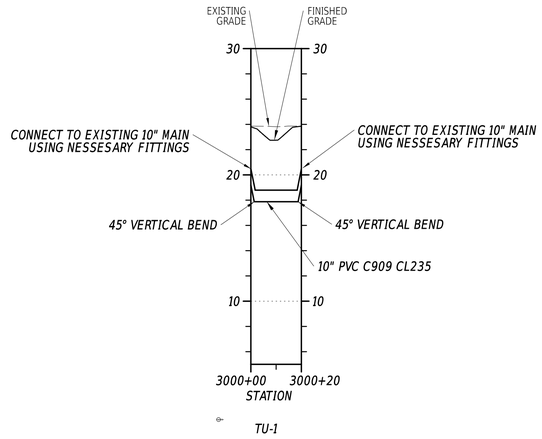
MATCHLINE STA. 1105+00

MATCHLINE STA. 1109+50

MATCHLINE STA. 603+00





TU-1

RECOMMENDED BY:

Gregory L Covey

TIDEWATER UTILITIES INC.

08-28-24

DATE

PREPARED BY

CENTURY ENGINEERING

A Kleinfelder Company

550 BAY ROAD
DOVER, DE 19901
(302) 734-9188

ANDREW JAKUBOWSKI — NO. 13906 — STATE OF DELAWARE — PROFESSIONAL ENGINEER

SEAL

RECOMMENDED

08-28-24

DATE

VERTICAL SCALE FEET 0 6 12 18

TW-04

SECTION

CEN

SHEET NO.

207

REVISIONS		SCALE	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT	BRIDGE NO.	N/A	TIDEWATER WATER RELOCATION PLAN
		0 30 60 90 FEET		T201609601			
				COUNTY	DESIGNED BY: CP		
				SUSSEX	CHECKED BY: AJ		

28-AUG-2024
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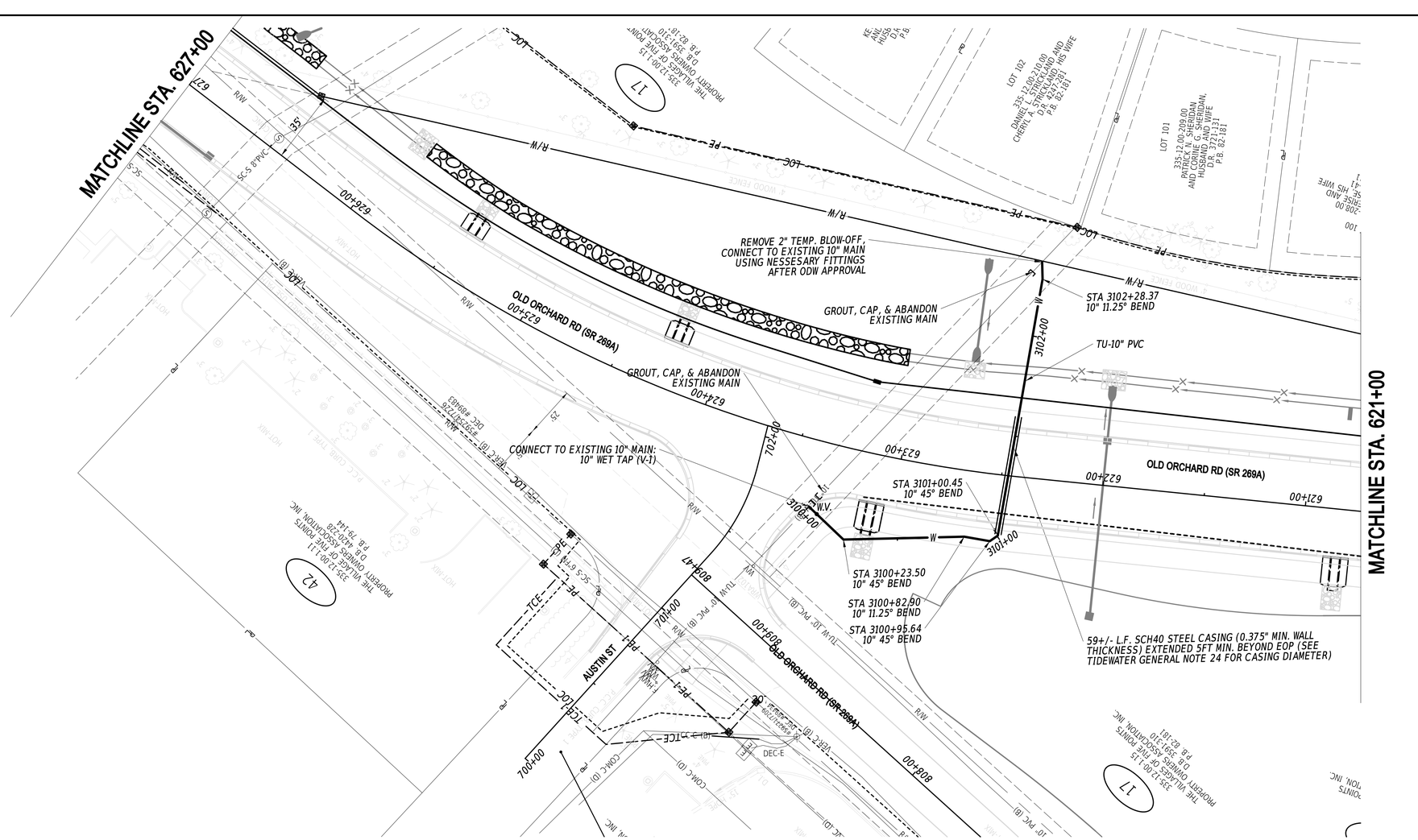

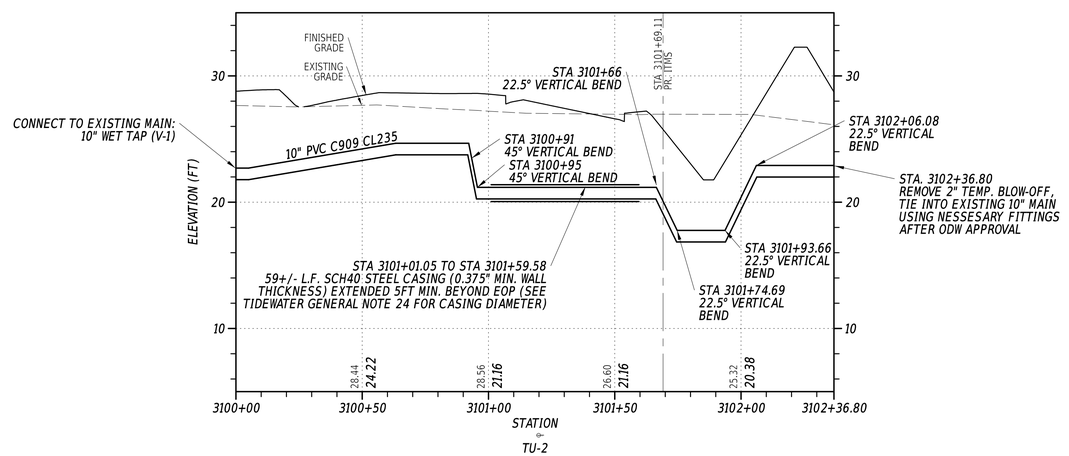

RECOMMENDED BY:

Gregory L Conley — 08-28-24

TIDEWATER UTILITIES INC. — DATE

PREPARED BY

CENTURY ENGINEERING
A Kleinfelder Company
550 BAY ROAD
DOVER, DE 19901
(302) 734-9188

ARMOR JAKUBOWSKI — NO. 13906 — SEAL

08-28-24

RECOMMENDED — DATE

VERTICAL SCALE FEET: 18, 12, 6, 0

TW-05

REVISIONS		SCALE	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT	BRIDGE NO. N/A	TIDEWATER WATER RELOCATION PLAN	SECTION
		0 30 60 90 FEET		T201609601	DESIGNED BY: CP		CEN
				COUNTY	CHECKED BY: AJ		SHEET NO.
				SUSSEX			208

28-AUG-2024
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MATCHLINE STA. 1203+50

MATCHLINE STA. 1109+50

12
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EAST CLAY ROAD, LLC
D.B. 5346-107

36
335-12.06-36.00
SAMIR AND THANA L GHABRA, H/W
D.B. 2493-305
P.B. 28-262

37
335-12.06-53.00
LEWES OFFICE, LLC
D.B. 4167-258

38
335-12.06-54.00
JAMES B II AND MARY E PHILLIPS, H/W
D.B. 1974-264

39
335-12.06-55.00
KATHERINE KAREN PERGOLA AND DENNIS G. PERGOLA
D.B. 5104-334

5
334-6.00-28.00
C.W. TODD, JR. AND ELLEN M. TODD, TRUSTEES
D.B. 2509-347
P.B. 78-32

4
334-6.00-39.00
DELAWARE AGRICULTURAL LANDS PRESERVATION FOUNDATION
D.B. 3663-321

41
335-6.00-39.01
CLAY ROAD HOLDINGS, LLC
D.B. 3242-67

335-12.06-56.00
HEIRS OF MARION C. WARD
D.B. 433-322
W.R. 196-104

CLAY RD (SR 269)

MARSH RD (SR 269B)

BEGIN: STA. 3200+00
CONNECT TO EXISTING 10" MAIN:
10" WET TAP (V-2)

STA 3200+03.00
10" 45° BEND

54+/- L.F. SCH40 STEEL CASING (0.375" MIN. WALL THICKNESS) EXTENDED 5FT MIN. BEYOND EOP (SEE TIDEWATER GENERAL NOTE 24 FOR CASING DIAMETER)

TU-10"-PVC

GROUT, CAP, ABANDON EXISTING MAIN

REMOVE FIRE HYDRANT ASSEMBLY

REMOVE WATER VALVES

STA 3200+76.59
10" 45° BEND

STA 3201+00

STA 3201+02.00
12" X 10" REDUCER

STA 3201+07.35
12" X 10" TEE,
10" VALVE (V-3)

STA 3201+04.35
FIRE HYDRANT ASSEMBLY (H-1)

12"VALVE (V-4)

STA. 3300+80
REMOVE BLOW-OFF, CONNECT TO EXISTING 10" MAIN USING NESSESARY FITTINGS

STA 3300+72.00
10" 90° BEND

TU-10"-PVC
(DEFLECT TO AVOID SWM FEATURES)

REMOVE FIRE HYDRANT ASSEMBLY

STA 3300+8.00
10" 90° BEND

STA 3202+08.26
12" 11.25° BEND

STA 3201+78.26
12" 45° BEND

STA 3201+69.50
12" 45° BEND

STA 3202+79.05
12" 11.25° BEND

TU-12"-PVC

STA 3203+87.72
12" 11.25° BEND

STA 3205+94.50
12" 11.25° BEND

STA 3206+10.00
12" 90° BEND

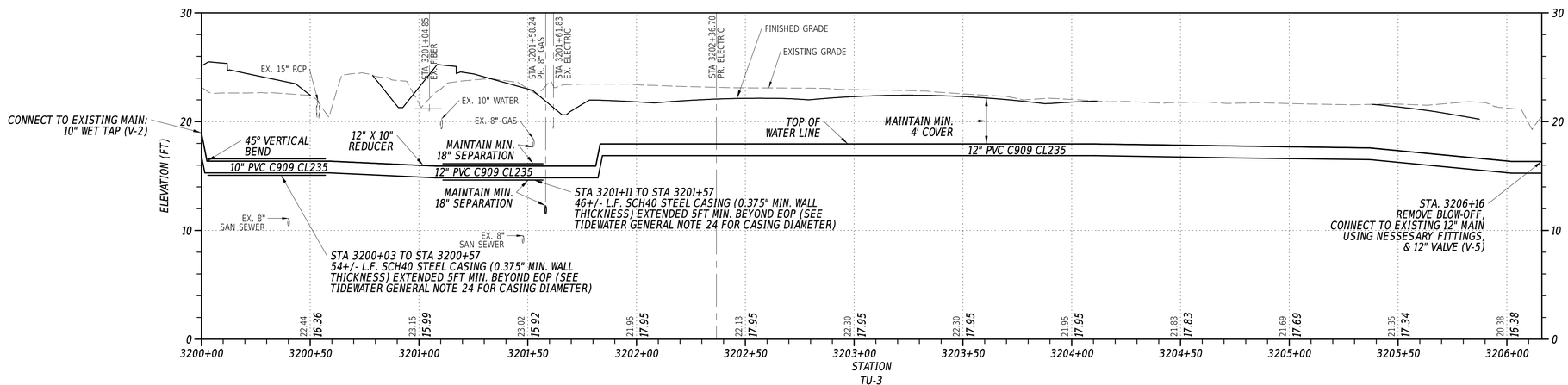
TU-12"-PVC

GROUT, CAP, ABANDON EXISTING MAIN

46+/- L.F. SCH40 STEEL CASING (0.375" MIN. WALL THICKNESS) EXTENDED 5FT MIN. BEYOND EOP (SEE TIDEWATER GENERAL NOTE 24 FOR CASING DIAMETER)

CONNECT TO EXISTING 10" MAIN USING NESSESARY FITTINGS

REMOVE BLOW-OFF CONNECT TO EXISTING 12" MAIN USING NECESSARY FITTINGS, & 12" VALVE (V-5)



RECOMMENDED BY:

Gregory L Covey
TIDEWATER UTILITIES INC.
08-28-24
DATE

PREPARED BY
CENTURY ENGINEERING
A Kleinfelder Company
550 BAY ROAD
DOVER, DE 19901
(302) 734-6158

ANDREW C. JAKUBOWSKI
NO. 13906
PROFESSIONAL ENGINEER
SEAL

RECOMMENDED
08-28-24
DATE

VERTICAL SCALE FEET
18 12 6 0

TW-06

REVISIONS			

SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	T201609601	BRIDGE NO.	N/A
COUNTY	SUSSEX	DESIGNED BY: CP	
		CHECKED BY: AJ	

TIDEWATER WATER RELOCATION PLAN

SECTION	CEN
SHEET NO.	209

30-AUG-2024
13:55
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MATCHLINE STA. 1203+50

MATCHLINE STA. 1109+50

12
335-12.05-14.00
EAST CLAY ROAD, LLC
D.B. 5346-107

36
335-12.06-36.00
SAMIR AND THANA L GHABRA, H/W
D.B. 2493-305
P.B. 28-262

37
335-12.06-53.00
LEWES OFFICE, LLC
D.B. 4167-258

38
335-12.06-54.00
JAMES B II AND MARY E PHILLIPS, H/W
D.B. 1974-264

39
335-12.06-55.00
KATHERINE KAREN PERGOLA AND DENNIS G. PERGOLA
D.B. 5104-334

5
334-6.00-28.00
C.W. TODD, JR. AND ELLEN M. TODD, TRUSTEES
D.B. 2509-347
P.B. 78-32

4
334-6.00-39.00
DELAWARE AGRICULTURAL LANDS PRESERVATION FOUNDATION
D.B. 3663-321

41
335-6.00-39.01
CLAY ROAD HOLDINGS, LLC
D.B. 3242-61

335-12.06-56.00
HEIRS OF MARION C. WARD
D.B. 433-322
W.R. 196-104

CLAY RD (SR 269)

MARSH RD (SR 269B)

BEGIN: STA. 3200+00
CONNECT TO EXISTING 10" MAIN:
10" WET TAP (V-2)

STA 3200+03.00
10" 45° BEND

54+/- L.F. SCH40 STEEL CASING (0.375" MIN. WALL THICKNESS) EXTENDED 5FT MIN. BEYOND EOP (SEE TIDEWATER GENERAL NOTE 24 FOR CASING DIAMETER)

TU-10"-PVC

GROUT, CAP, ABANDON EXISTING MAIN

STA 3200+76.59
10" 45° BEND

ABANDON FIRE HYDRANT ASSEMBLY

STA 3201+00

STA 3201+02.00
12" X 10" REDUCER

STA 3201+07.35
12" X 10" TEE,
10" VALVE (V-3)

STA 3201+04.35
FIRE HYDRANT ASSEMBLY (H-1)

12" VALVE (V-4)

STA. 3300+80
REMOVE BLOW-OFF,
CONNECT TO EXISTING 10" MAIN
USING NESSESARY FITTINGS

ABANDON FIRE HYDRANT ASSEMBLY

STA 3300+72.00
10" 90° BEND

TU-10"-PVC
(DEFLECT TO AVOID SWM FEATURES)

STA 3300+8.00
10" 90° BEND

STA 3202+08.26
12" 11.25° BEND

STA 3201+78.26
12" 45° BEND

STA 3201+69.50
12" 45° BEND

STA 3202+79.05
12" 11.25° BEND

TU-12"-PVC

GROUT, CAP, ABANDON EXISTING MAIN

STA 3203+87.72
12" 11.25° BEND

TU-12"-PVC

GROUT, CAP, ABANDON EXISTING MAIN

STA 3205+94.50
12" 11.25° BEND

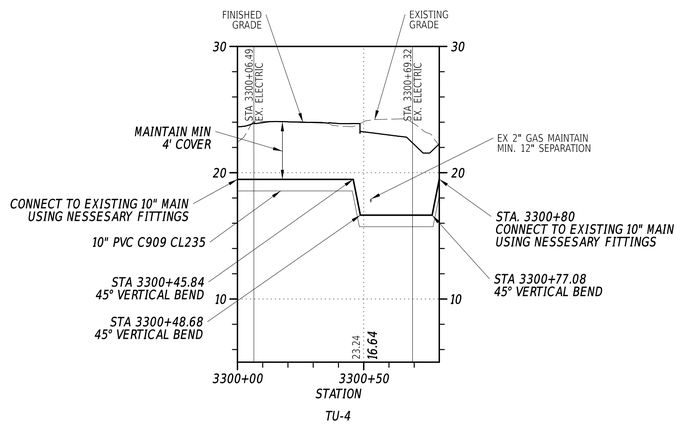
STA 3206+10.00
12" 90° BEND

REMOVE BLOW-OFF
CONNECT TO EXISTING 12" MAIN
USING NECESSARY FITTINGS,
& 12" VALVE (V-5)

46+/- L.F. SCH40 STEEL CASING (0.375" MIN. WALL THICKNESS) EXTENDED 5FT MIN. BEYOND EOP (SEE TIDEWATER GENERAL NOTE 24 FOR CASING DIAMETER)

CONNECT TO EXISTING 10" MAIN
USING NESSESARY FITTINGS

GROUT, CAP, ABANDON EXISTING MAIN



TU-4

RECOMMENDED BY:

Gregory L Covey

08-28-24

TIDEWATER UTILITIES INC.

DATE

PREPARED BY
CENTURY ENGINEERING
A Kleinfelder Company
550 BAY ROAD
DOVER, DE 19901
(302) 734-8158

ANDREW JAKUBOWSKI
No. 13906
PROFESSIONAL ENGINEER
DELAWARE

SEAL

08-28-24

RECOMMENDED

DATE

VERTICAL SCALE FEET 18 12 6 0

TW-07

REVISIONS			

SCALE
0 30 60 90
FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	T201609601	BRIDGE NO.	N/A
COUNTY	SUSSEX	DESIGNED BY: CP	
		CHECKED BY: AJ	

TIDEWATER WATER RELOCATION PLAN

SECTION	CEN
SHEET NO.	210

28-AUG-2024
18:47
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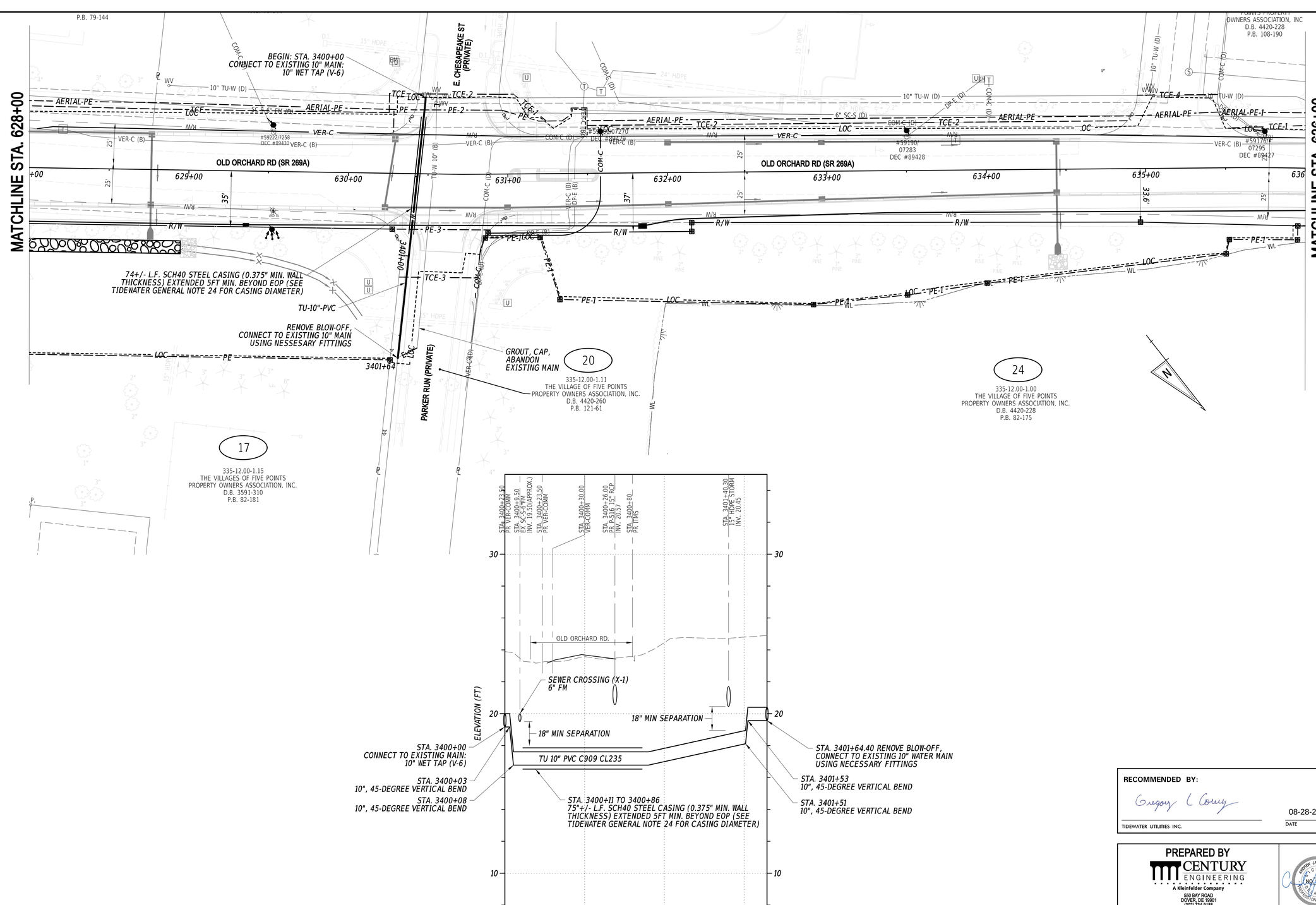

RECOMMENDED BY:

Gregory L Conley

TIDEWATER UTILITIES INC.

08-28-24

DATE

PREPARED BY

CENTURY ENGINEERING

A Kleinfelder Company

550 BAY ROAD
DOVER, DE 19901
(302) 734-8158

ANDREW JAKUBOWSKI
NO. 13906
PROFESSIONAL ENGINEER
DELAWARE

SEAL

08-28-24

RECOMMENDED

DATE

VERTICAL SCALE FEET 18 12 6 0

TW-08

REVISIONS		

SCALE 0 30 60 90 FEET

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	N/A
T201609601	DESIGNED BY: CP	
COUNTY		
SUSSEX	CHECKED BY: AJ	

TIDEWATER WATER RELOCATION PLAN

SECTION	SHEET NO.
CEN	211

28-AUG-2024
18:22
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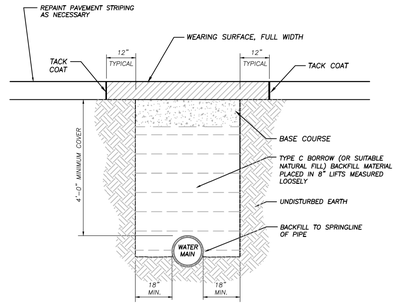


NOTE:
IN UNPAVED AREAS PROVIDE 6" OF TOPSOIL AND MULCH

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 2" COLD LAID, BITUMINOUS CONCRETE
LANDSCAPED/UNPAVED AREAS	COMPACTED SUBGRADE	SEEDING AND MULCHING OR STRAW AS REQUIRED

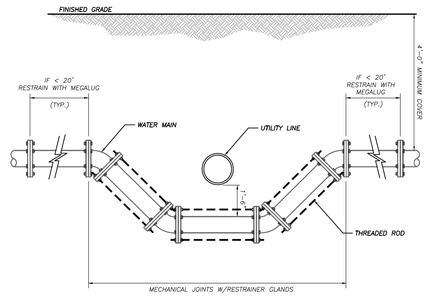
*IF A GREATER CROSS SECTION EXISTS, MATCH EXISTING.

TIDEWATER UTILITIES INC.
A Middlesex Water Company Affiliate
1100 South Little Creek Road
Dover, Delaware 19901

TYPICAL DESIGN DETAILS
TEMPORARY PAVEMENT, DRIVEWAY AND TRENCH DETAIL
TUI-22

REV.	DATE	DESCRIPTION	BY	CHK

DATE: 3/1/2024 | DRAWN BY: SAH | 22 / 25
SCALE: N.T.S.

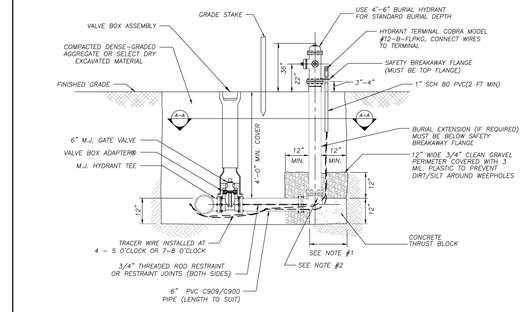


TIDEWATER UTILITIES INC.
A Middlesex Water Company Affiliate
1100 South Little Creek Road
Dover, Delaware 19901

TYPICAL DESIGN DETAILS
WATER MAIN CROSSING UTILITY DETAIL
TUI-10

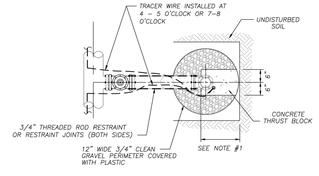
REV.	DATE	DESCRIPTION	BY	CHK

DATE: 3/1/2024 | DRAWN BY: SAH | 10 / 25
SCALE: N.T.S.



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.
4. AFFIX TRACER WIRE EVERY 5 FEET ALONG HYDRANT LATERAL



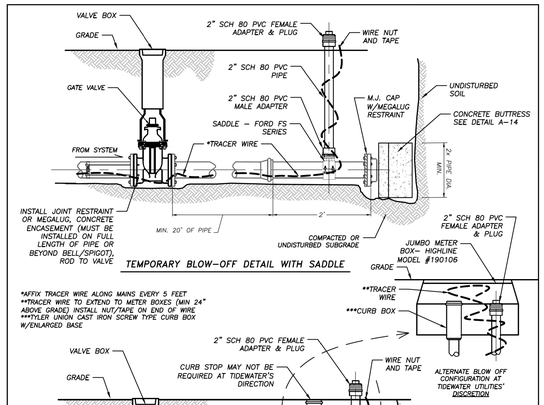
SECTION A–A

TIDEWATER UTILITIES INC.
A Middlesex Water Company Affiliate
1100 South Little Creek Road
Dover, Delaware 19901

TYPICAL DESIGN DETAILS
FIRE HYDRANT ASSEMBLY DETAIL
TUI-16

REV.	DATE	DESCRIPTION	BY	CHK
1	7.31.24	ADDED TRACER WIRE & HYDRANT TERMINAL	SAH	GLC

DATE: 3/1/2024 | DRAWN BY: SAH | 16 / 25
SCALE: N.T.S.

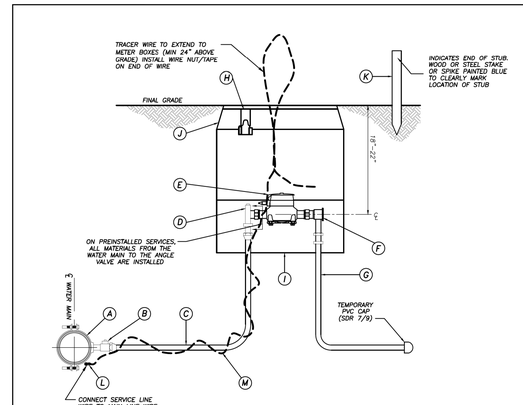


TIDEWATER UTILITIES INC.
A Middlesex Water Company Affiliate
1100 South Little Creek Road
Dover, Delaware 19901

TYPICAL DESIGN DETAILS
TEMPORARY BLOW-OFF DETAIL
TUI-18

REV.	DATE	DESCRIPTION	BY	CHK
1	7.31.24	CHANGED TRACER WIRE	SAH	GLC

DATE: 3/1/2024 | DRAWN BY: SAH | 18 / 25
SCALE: N.T.S.



DESIGNATION	DESCRIPTION	MANUFACTURER	SERVICE TYPE	MODEL NUMBER	CONNECTION
A	SERVICE SADDLE	FORD	SINGLE/DOUBLE	FC202–XXX–CC4	C900 PVC X CC
B	CORPORATION STOP	FORD	SINGLE/DOUBLE	F–1000–4–Q–NL	CC X QJCTS
C	PE TUBING, SDR–9		SINGLE/DOUBLE		1" CTS
D1	ANGLE METER KEY VALVE, 5/8" MN	FORD	SINGLE	KV43–341W–NL	1" QJCTS X 5/8" MN
D2	KEY VALVE BRANCH ASSEMBLY, 5/8" MN	FORD	DOUBLE	LN43–41W–NL	1" QJCTS X (2) 5/8" MN
D3	ANGLE METER KEY VALVE, 1" MN	FORD	SINGLE	KV43–444W–NL	01"JCTS X 1" MN
E	METER, 1"	NEPTUNE	SINGLE/DOUBLE	T–10	5/8" METER, MN
E	METER, 5/8"	NEPTUNE	SINGLE/DOUBLE	T–10	1"
F1	ANGLE CASCADING DUAL CHECK VALVE 1" MN	FORD	SINGLE	HH434–344–NL	1" MN X 3/4" FIP
F2	ANGLE CASCADING DUAL CHECK VALVE 5/8" MN	FORD	SINGLE	HH431–313–NL	5/8" MN X 3/4" FIP
G	STUB PIPING, 1" WITH MIP ADAPTER		SINGLE/DOUBLE	PVC SCHED. 40	MIP X SLIP
H	TRANSMITTER W/BRACKET	ITRON	SINGLE/DOUBLE	100W	
I	JUMBO METER BOX	HIGHLINE	SINGLE/DOUBLE	190106	
J	JUMBO METER BOX EXTENSION	HIGHLINE	SINGLE/DOUBLE	190110	
K	GROUND MARKER				
L	MAINLINE TO SERVICE CONNECTOR	COPPERHEAD	SINGLE/DOUBLE	#3MB–01	TRACER WIRE
M*	TRACER WIRE, 12AWG SUPERFLEX CCS	COPPERHEAD	SINGLE/DOUBLE	12308–SF–XX	

*AFFIX TRACER WIRE TO SERVICE LINES EVERY 5 FEET

TIDEWATER UTILITIES INC.
A Middlesex Water Company Affiliate
1100 South Little Creek Road
Dover, Delaware 19901

TYPICAL DESIGN DETAILS
METER PIT DETAIL PROFILE
TUI-3

REV.	DATE	DESCRIPTION	BY	CHK
1	7.31.24	CHANGED L & ADDED M	SAH	GLC

DATE: 3/1/2024 | DRAWN BY: SAH | 3 / 25
SCALE: N.T.S.

REVISIONS			

NOT TO SCALE

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	T201609601
COUNTY	SUSSEX
BRIDGE NO.	X
DESIGNED BY:	CP
CHECKED BY:	AJ

TIDEWATER WATER RELOCATION DETAILS

	TW-09
SECTION	CEN
SHEET NO.	212

28-AUG-2024
18:48
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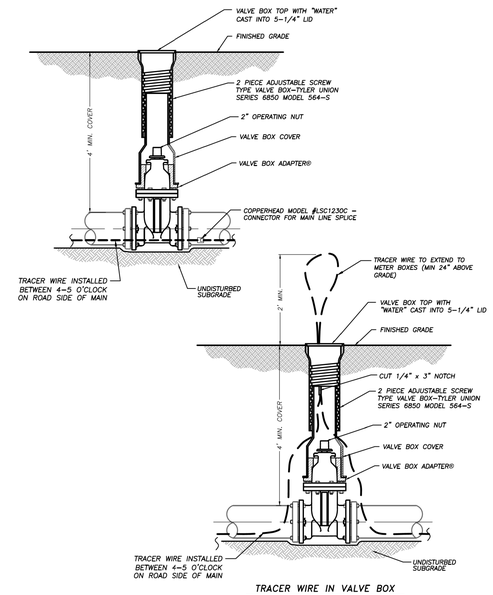


TRACER WIRE IN VALVE BOX

TIDEWATER UTILITIES INC.
A Middlesex Water Company Affiliate
1100 South Little Creek Road
Dover, Delaware 19901

TYPICAL DESIGN DETAILS
VALVE BOX DETAIL
TUI-15

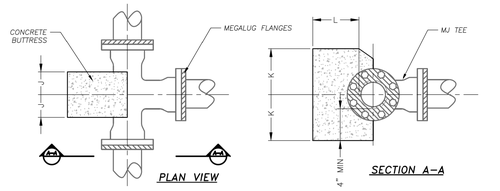
REV.	DATE	DESCRIPTION	BY	CHK
1	7.31.2024	CHANGED TRACER WIRE REQUIREMENTS	GLC	SAH

DATED: 3/1/2024 DRAWN BY: SAH
SCALE: N.T.S.
15 / 25

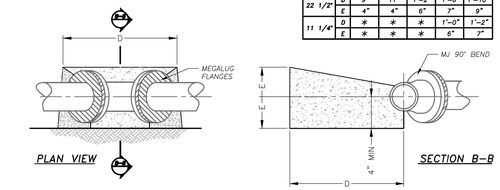
NOTES

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"	6"	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 Middlesex Water Company Affiliate
1100 South Little Creek Road
Dover, Delaware 19901

TYPICAL DESIGN DETAILS
THRUST BLOCK DETAIL
TUI-23

REV.	DATE	DESCRIPTION	BY	CHK

DATED: 3/1/2024 DRAWN BY: SAH
SCALE: N.T.S.
23 / 25

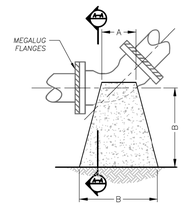
NOTES

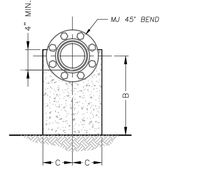
1. PORTLAND CEMENT CONCRETE FOR BUTRESSES SHALL BE 3000 P.S.I. MINIMUM.
2. BUTTRESS DIMENSIONS SHOWN ARE MINIMUM DIMENSIONS BASED UPON A SOIL BEARING CAPACITY OF 3000 P.S.F. AND STATIC WATER PRESSURE OF 150 P.S.I.
3. MODIFICATIONS TO BUTTRESS DIMENSIONS IS TO BE AT THE SOLE DISCRETION OF TIDEWATER UTILITIES, 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.

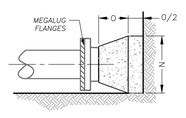
FITTINGS TO BE WRAPPED IN53 MIL. PLASTIC WHERE CONCRETE IS PRESENT.

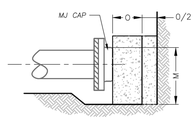
VERTICLE BENDS

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

NOTE: CARRY CONCRETE TO SOLID GROUND

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"

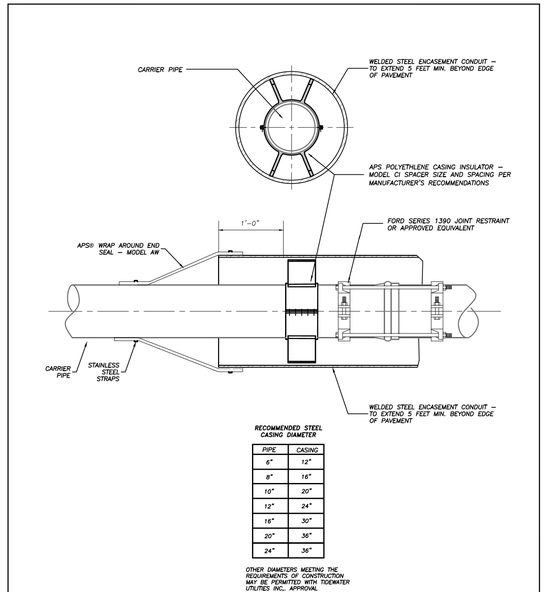
CONCRETE BUTTRESSES FOR VERTICAL BENDS AND PLUGS
NTS

TIDEWATER UTILITIES INC.
A Middlesex Water Company Affiliate
1100 South Little Creek Road
Dover, Delaware 19901

TYPICAL DESIGN DETAILS
THRUST BLOCK DETAIL
TUI-24

REV.	DATE	DESCRIPTION	BY	CHK

DATED: 3/1/2024 DRAWN BY: SAH
SCALE: N.T.S.
24 / 25



RECOMMENDED STEEL CASING DIAMETER

PIPE	CASING
6"	12"
8"	16"
10"	20"
12"	24"
16"	30"
20"	36"
24"	36"

OTHER DIAMETERS MEETING THE REQUIREMENTS OF CONSTRUCTION MAY BE PERMITTED WITH TIDEWATER UTILITIES INC. APPROVAL

TIDEWATER UTILITIES INC.
A Middlesex Water Company Affiliate
1100 South Little Creek Road
Dover, Delaware 19901

TYPICAL DESIGN DETAILS
ROAD BORING DETAIL
TUI-12

REV.	DATE	DESCRIPTION	BY	CHK
2	5.15.2024	CHANGED SIZE OF CASING	SAH	GLC

DATED: 3/1/2024 DRAWN BY: SAH
SCALE: N.T.S.
12 / 25

REVISIONS			

NOT TO SCALE

REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER

CONTRACT	BRIDGE NO.	X
T201609601		
COUNTY	DESIGNED BY: CP	
SUSSEX	CHECKED BY: AJ	

TIDEWATER WATER RELOCATION DETAILS

TW-10
SECTION
CEN
SHEET NO.
213

28-AUG-2024
18:49
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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: MARSH RD - PIPE 3000

1. COORDINATE EXISTING WATER MAIN SHUTDOWN WITH TIDEWATER UTILITIES.
2. INSTALL WATER MAIN FROM STA. 3000+00 TO 3000+14, FIRE HYDRANT ASSEMBLY, AND TEMPORARY BLOW-OFF.
3. PRESSURE TEST, CONNECT TO EXISTING MAIN AFTER ODW APPROVAL.
4. GROUT, CAP, ABANDON EXISTING MAIN.

WATER SECTION 2: OLD ORCHARD RD - PIPE 3100

1. INSTALL WET TAP AT STA. 3100+00.
2. INSTALL WATER MAIN FROM STA. 3100+00 TO 3102+37, CASING ACROSS OLD ORCHARD RD., AND TEMPORARY BLOW-OFF.
3. PRESSURE TEST, CONNECT TO EXISTING MAIN AFTER ODW APPROVAL.
4. GROUT, CAP, ABANDON EXISTING MAIN.

WATER SECTION 3: CLAY RD / MARSH RD - PIPE 3200

1. INSTALL WET TAP AT STA. 3200+00.
2. INSTALL WATER MAIN FROM STA. 3200+00 TO 3206+16, CASING ACROSS CLAY AND MARSH ROADS, FIRE HYDRANT ASSEMBLY, AND TEMPORARY BLOW-OFF.
3. INSTALL WATER MAIN FROM STA. 3200+57 TO 3201+04.35 AND FIRE HYDRANT ASSEMBLY.
4. PRESSURE TEST, CONNECT TO EXISTING MAIN AFTER ODW APPROVAL.
5. GROUT, CAP, ABANDON EXISTING MAIN.

WATER SECTION 4: MARSH RD - PIPE 3300

1. COORDINATE EXISTING WATER MAIN SHUTDOWN WITH TIDEWATER UTILITIES.
2. INSTALL WATER MAIN FROM STA. 3300+00 TO 3300+80, AND TEMPORARY BLOW-OFF.
3. PRESSURE TEST, CONNECT TO EXISTING MAIN AFTER ODW APPROVAL.
4. GROUT, CAP, ABANDON EXISTING MAIN.

WATER SECTION 5: PARKER RUN - PIPE 3400

1. INSTALL WET TAP AT STA. 3400+00.
2. INSTALL WATER MAIN FROM STA. 3400+00 TO 3401+64, CASING ACROSS OLD ORCHARD RD., AND TEMPORARY BLOW-OFF.
3. PRESSURE TEST, CONNECT TO EXISTING MAIN AFTER ODW APPROVAL.
4. GROUT, CAP, ABANDON EXISTING MAIN.

TW-11

REVISIONS	NOT TO SCALE	REALIGNMENT OF OLD ORCHARD ROAD AT WESCOATS CORNER	CONTRACT T201609601	BRIDGE NO. N/A	TIDEWATER WATER RELOCATION SEQUENCE OF CONSTRUCTION	SECTION CEN
			COUNTY SUSSEX	DESIGNED BY: CP		SHEET NO. 214
				CHECKED BY: AJ		

28-AUG-2024
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