

TITLE	1
INDEX OF SHEETS	2
ADDENDA AND REVISIONS	3
LEGEND	4
NOTES	5
TYPICAL SECTIONS	6
HORIZONTAL AND VERTICAL CONTROL	7-10
CONSTRUCTION PLANS (CP)	11-12
PROFILES	13-14
GRADES AND GEOMETRICS (GG)	15-16
CONSTRUCTION DETAILS	17-18
ENVIRONMENTAL COMPLIANCE PLANS (EC)	19
CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLANS	20-22
LANDSCAPING PLANS	23-24
LIGHTING PLANS	25-28
SIGNING, STRIPING AND CONDUIT PLANS (SS)	29-31
RIGHT-OF-WAY PLANS	32

18-OCT-2024 10:53 C:\Users\Anthony.Reass\Roosi Transportation Group, Inc\Projects - Documents\Project Files\18_105 De\DOT Laurel Design\CADD\Sheets\501.dgn

ADDENDA / REVISIONS		NOT TO SCALE	LAUREL RAMBLE PHASE II	CONTRACT	BRIDGE NO.	N/A	INDEX OF SHEETS	SECTION
				T202120006	DESIGNED BY: A. REASS			ROSSI
				COUNTY	CHECKED BY: S. MCEVILLY	SHEET NO.		
				SUSSEX		2		

ADDENDUM PREPARED BY
 ROSSI TRANSPORTATION GROUP
 XXXXXXXXXXXXXXXXXXXX

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

REVISION PREPARED BY
 ROSSI TRANSPORTATION GROUP
 XXXXXXXXXXXXXXXXXXXX

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

ADDENDA / REVISIONS

NOT TO SCALE

LAUREL RAMBLE PHASE II

CONTRACT
T202120006
COUNTY
SUSSEX

BRIDGE NO.	N/A
DESIGNED BY:	A. REASS
CHECKED BY:	S. MCEVILLY

ADDENDA AND REVISIONS

SECTION
ROSSI
SHEET NO.
3

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

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

UTILITY FEATURES		
FEATURE DESCRIPTION	EXISTING	PROPOSED
COMMUNICATIONS DISTRIBUTION BOX	CD 	TV
COMMUNICATIONS MANHOLE	C 	T
COMMUNICATIONS TEST POINT	CT 	T
COMMUNICATIONS - UNDERGROUND	COMM(A)	COMM
ELECTRIC - UNDERGROUND	E(A)	E
ELECTRIC MANHOLE	E 	
ELECTRIC METER	EM 	
ELECTRIC TRANSFORMER	E 	
GAS - UNDERGROUND	G(A)	G
GAS MANHOLE	G 	
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	S(A)	S
SANITARY SEWER MANHOLE	S 	
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		
UTILITY POLE GUY WIRE ANCHOR		
UTILITY POLE		
UTILITY TEST HOLE LOCATION		
WATER - UNDERGROUND	W(A)	W
WATER - FIRE HYDRANT	F.H. 	F.H.
WATER METER	W.M. 	
WATER VALVE	W.V. 	W.V.
WELL HEAD	WELL 	

PAVEMENT SECTION(S)	
OVERLAY PAVEMENT - SEE TYPICAL SECTIONS FOR MATERIALS AND DEPTHS	
RECONSTRUCTED PAVEMENT - SEE TYPICAL SECTIONS FOR MATERIALS AND DEPTHS	
DRIVEWAY AND ENTRANCE PAVEMENT - SEE NOTES FOR MATERIALS AND DEPTHS	

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

RIGHT-OF-WAY FEATURES		
FEATURE DESCRIPTION	EXISTING	PROPOSED
DENIAL OF ACCESS	DA 	DA
EASEMENT - OTHERS	EASEMENT TYPE 	
PERMANENT EASEMENT	PE 	PE
PROPERTY LINE		
PROPERTY MARKER - CONCRETE	C.M. 	
PROPERTY MARKER - IRON PIPE	I.P. 	
RIGHT-OF-WAY BASELINE	100+00 	100+00
RIGHT-OF-WAY LINE	R/W 	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

SURVEY CONTROL & MONUMENTATION	
FEATURE DESCRIPTION	EXISTING
POINT OF CURVATURE OR TANGENCY	
POINT OF INTERSECTING TANGENTS	
SURVEY BENCHMARK LOCATION	B.M.
SURVEY NGS POINT LOCATION	
SURVEY TIE POINT LOCATION	T.P.
SURVEY TRAVERSE POINT	

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

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	CMB XXX
DO NOT DISTURB	DND XXX
ENERGY DISSIPATOR	ED XXX
FILL WITH FLOWABLE FILL	FF C
LANDSCAPE PLANTINGS	LS XXX
PEDESTRIAN CONNECTION / TYPE	PC XX
PEDESTRIAN CONNECTION / TYPE WITHOUT DETECTABLE WARNING SYSTEM	PC-A 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	R XXX

ADDENDA / REVISIONS

NOT TO SCALE

LAUREL RAMBLE PHASE II

CONTRACT	BRIDGE NO.	N/A
T202120006	DESIGNED BY:	A. REASS
COUNTY	CHECKED BY:	S. MCEVILLY
SUSSEX		

ROW / LEGEND PLAN

SECTION
ROSSI
SHEET NO.
4

GENERAL NOTES

1. THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE DELAWARE DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", 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:

(X)	NONE
()	ASCII DATA FILES WITH COORDINATES AND ELEVATIONS FOR PROPOSED POINTS AS SELECTED BY THE ENGINEER.
()	ALL PLAN SHEETS, IN PDF FORMAT
()	EXISTING DIGITAL TERRAIN MODEL, IN .DTM FILE FORMAT, COMPATIBLE WITH SOFTWARE CURRENTLY USED BY DELDOT.
()	PROPOSED DIGITAL TERRAIN MODEL, IN .DTM FILE FORMAT, COMPATIBLE WITH SOFTWARE CURRENTLY USED BY DELDOT.
()	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 (WILL BE MADE AVAILABLE TO THE AWARDED CONTRACTOR)

PROJECT NOTES

SECTION 100

- 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.
- THE CONTRACTOR WILL CONTACT THE DELAWARE TMC AT 302-659-4600 PRIOR TO ANY UNMANNED AIRCRAFT VEHICLE (UAV) FLIGHTS. THE CONTRACTOR WILL BE REQUIRED TO PROVIDE THE FOLLOWING INFORMATION: THE REGISTRATION NUMBER OF THE UAV, THE FLIGHT TIME, LOCATION OF THE FLIGHT, THE PILOT'S NAME AND THE PILOT'S CONTACT NUMBER DURING THE FLIGHT.
- NIGHT WORK IS NOT PERMITTED ON THIS PROJECT UNLESS THE CONTRACTOR OBTAINS: APPROVAL FROM THE ENGINEER, ACCEPTABLE RESPONSES ON NIGHT WORK SURVEYS, AND ACCEPTANCE FROM THE MUNICIPALITY. METHOD AND FORMAT OF NIGHT WORK SURVEYS WILL BE PROVIDED BY THE ENGINEER UPON REQUEST. NIGHT WORK, SURVEYS, AND COORDINATION WITH MUNICIPALITIES IS NOT COMPENSABLE AND THE TIME TO COMPLETE THE SURVEYS IS NOT EXCUSABLE."

SECTION 200

- ITEMS TO BE REMOVED UNDER ITEM 211000 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
 - PARK BENCHES
 - BOLLARDS
 - TRASH CANS
 - IRRIGATION LINES IN CONFLICT
 - EXISTING BRICK SIDEWALK
 - PHASE 1 SAFETY CLEAN-UP
- PER STANDARD SPEC. 202.5, PAYMENT FOR EXCAVATING AND STOCKPILING TOPSOIL WILL BE MADE ONLY ONCE, AT THE TIME OF ITS INITIAL EXCAVATION. ANY REHANDLING, DISPOSAL, TRANSPORTING, OR OTHER RELATED COSTS WILL BE PAID IN ACCORDANCE WITH SECTION 908. IF TOPSOIL IS STOCKPILED FOR SECTIONING, THE PILES MUST BE KEPT SEPARATE FROM THOSE PILES GENERATED FOR CUT AREAS. FAILURE TO PROPERLY SEPARATE THESE PILES WILL VOID PAYMENT FOR TOPSOIL REMOVED IN FILL AREAS.
- THE CONTRACTOR SHALL REMOVE AND RESET ALL RESIDENTIAL 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, COMPLYING WITH AASHTO ROADSIDE DESIGN GUIDE AND THE AMERICAN DISABILITY ACT. 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 BE SET BACK 8 INCHES FROM THE EDGE OF THE PAVED SHOULDER. THE BOTTOM OF THE MAILBOX SHALL BE SET 42 TO 48 INCHES ABOVE THE ROADWAY SURFACE. 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 PLACED IN AN APPROPRIATE SIZE PVC SLEEVE. COST FOR ALL WORK AND MATERIALS SHALL BE PAID UNDER ITEM 201000 - CLEARING AND GRUBBING.
- ONLY EXISTING FEATURES WITHIN THE LOC IDENTIFIED WITH REMOVE BY CONTRACTOR OR BY OTHER METHODS ARE TO BE REMOVED OR DISTURBED.

PROJECT NOTES (CONT'D)

SECTION 600

- 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

- 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.
- WHERE PROPOSED CONCRETE SIDEWALK IS CONSTRUCTED TO MEET EXISTING SIDEWALK, THE EXISTING SIDEWALK SHALL BE SAWCUT AT THE TIE-IN POINT OR MEET THE NEAREST EXISTING SIDEWALK JOINT. ALL SAW CUTTING SHALL BE FULL DEPTH, UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE ENGINEER AND SHALL BE PAID FOR UNDER ITEM 762001 - SAWCUTTING, CONCRETE, FULL DEPTH.
- 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 800

- MATERIALS REQUIRED TO FINALIZE THE CONNECTION INTO POWER SOURCES SHALL BE INCLUSIVE TO ITEM 832029 - PROVIDE AND INSTALL #8/2 WIRE UF W/GROUND.

SECTION 900

- 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.

MISCELLANEOUS

- 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.
- THE TOWN OF LAUREL/LAUREL REDEVELOPMENT CORPORATION HAS MADE IT KNOWN THAT SPRINKLER SYSTEMS EXIST WITHIN THE PROJECT AREA. LOCATIONS OF SPRINKLER HEADS SHOWN ON THE PLAN ARE APPROXIMATE. THE CONTRACTOR SHALL MAKE NOTE OF THE EXACT LOCATION OF ANY DAMAGED SPRINKLER HEADS/PIPES BY CUTTING, CAPPING, AND FLAGGING ENDS (INCIDENTAL TO 211000) AND INFORM THE TOWN OF LAUREL/LAUREL REDEVELOPMENT CORPRATION AT THE COMPLETION OF EACH CONSTRUCTION PHASE.

~~LAUREL REDEVELOPMENT CORPORATION CONTACT:~~
BRIAN SHANNON (302-875-0601)
315 NORTH CENTRAL AVENUE
LAUREL, DELAWARE 19956

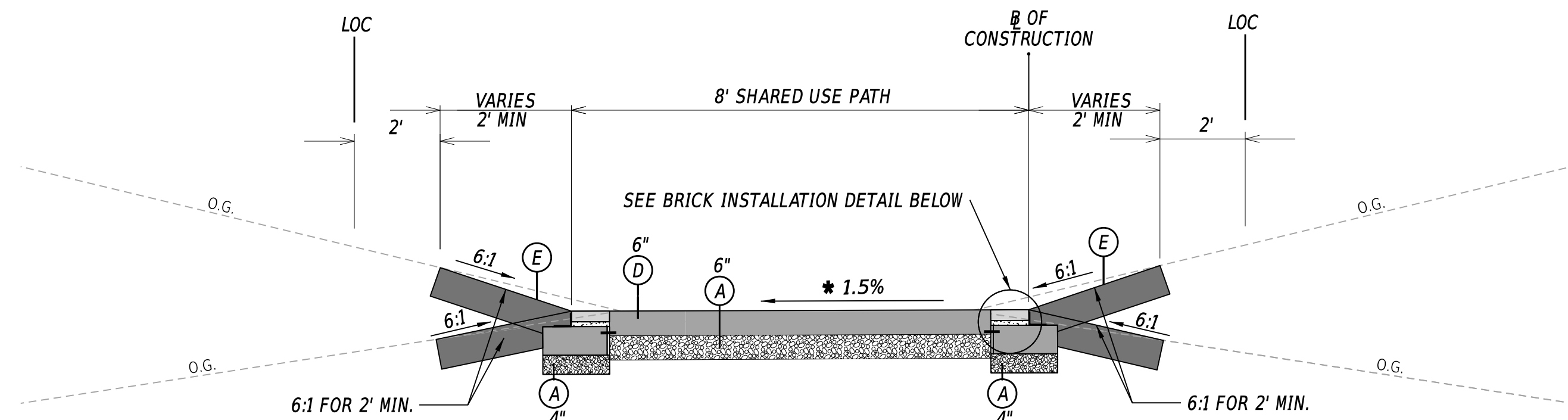
~~THE TOWN OF LAUREL CONTACT:~~
JAMIE SMITH (302-875-2277)
201 MECHANIC STREET
LAUREL, DELAWARE 19956

- 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:

- APPROVE THE USE OF THE PROPOSED STAGING AND STOCKPILE AREA(S);
- REJECT THE REQUEST; OR
- 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.
- ALL TREES, BUSHES, AND SHRUBS WITHIN THE LOC ARE TO REMAIN UNLESS OTHERWISE NOTED TO BE REMOVED BY CONTRACTOR. IN AREAS WHERE TREES, BUSHES, OR SHRUBS WILL BE OVERHANGING THE PROPOSED SHARED-USE PATH, PRUNING MAY BE NECESSARY TO ACHIEVE A VERTICAL CLEARANCE OF 10'-0" AND 2'-0" HORIZONTAL CLEARANCE OVER THE WIDTH OF THE SHARED-USE PATH. THE CONTRACTOR SHALL PRUNE ALL TREES, BUSHES, AND SHRUBS WHICH OVERHANG THE SHARED-USE PATH IN ACCORDANCE WITH ANSI A300 STANDARDS. THE CONTRACTORS SHALL NOTIFY DELDOT'S ROADSIDE ENVIRONMENTALIST ADMINISTRATOR AND/OR THEIR DESIGNEE AT LEAST FIVE (5) DAYS PRIOR TO THE PRUNING OPERATION. ALL COSTS ASSOCIATED WITH THE ABOVE WORK TO BE PAID UNDER ITEM 201000 - CLEARING AND GRUBBING.

ADDENDA / REVISIONS		NOT TO SCALE	LAUREL RAMBLE PHASE II	CONTRACT	BRIDGE NO.	N/A	NOTES	SECTION
				T202120006	DESIGNED BY:	A. REASS		ROSSI
				COUNTY	CHECKED BY:	S. MCEVILLY		SHEET NO.
				SUSSEX				5



LAUREL SHARED USE PATH
JANOSIK PARK ALIGNMENT
STATION 200+06.97 TO STATION 205+19.17

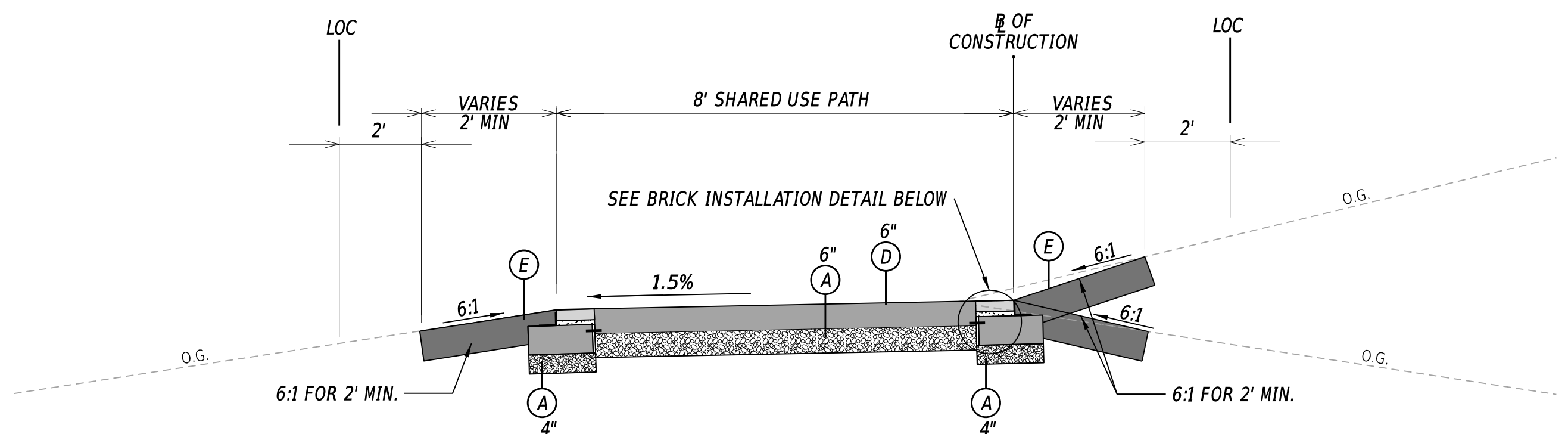
*REVERSE SLOPE, 1.5% FROM:
 - STA. 204+20.13 TO STA. 205+19.17
 CROSS-SLOPE BECOMES 0.5% FROM:
 - STA. 202+95.00 TO STA. 204+25.00

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

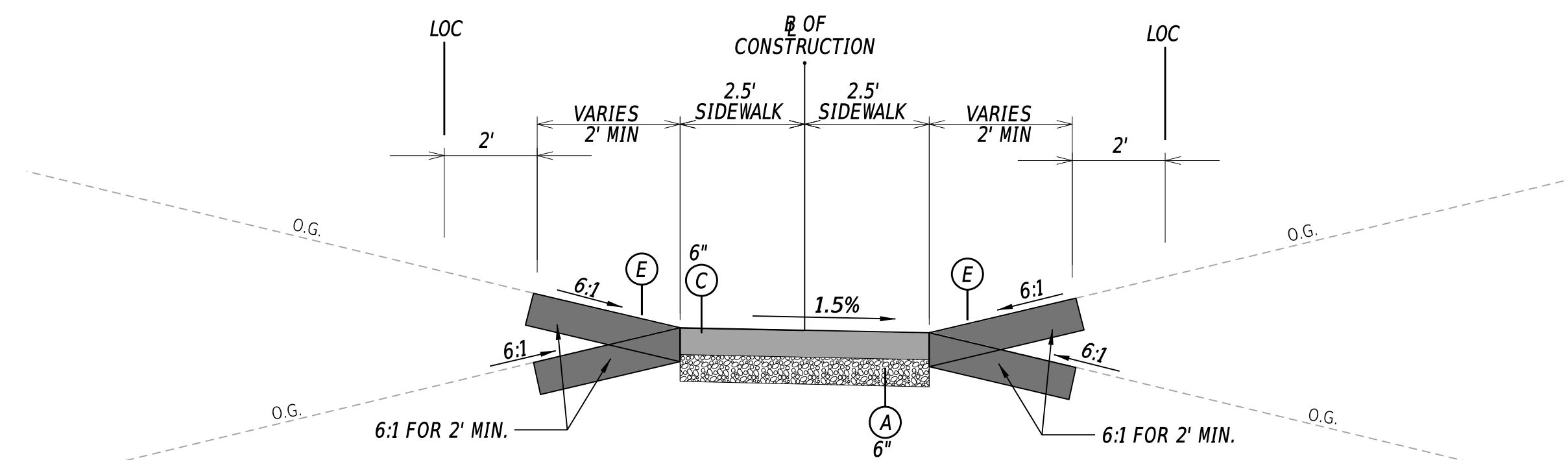
NOTES:

1. ENSURE DISTURBED SLOPES WITHIN THE LOC HAVE ADEQUATE SLOPE STABILIZATION.
2. PAVEMENT PATCHING SHALL BE 2.0' MAXIMUM WIDTH, UNLESS NOTED OTHERWISE IN PLAN SHEETS.
3. PAVEMENT PATCHING SLOPE SHALL MATCH EXISTING PAVEMENT SLOPE.
4. CROSS-SLOPE TRANSITION SEGMENTS SHALL NOT EXCEED A SLOPE TRANSITION RATE OF 3.0% PER LINEAR FOOT OF PATH/SIDEWALK.

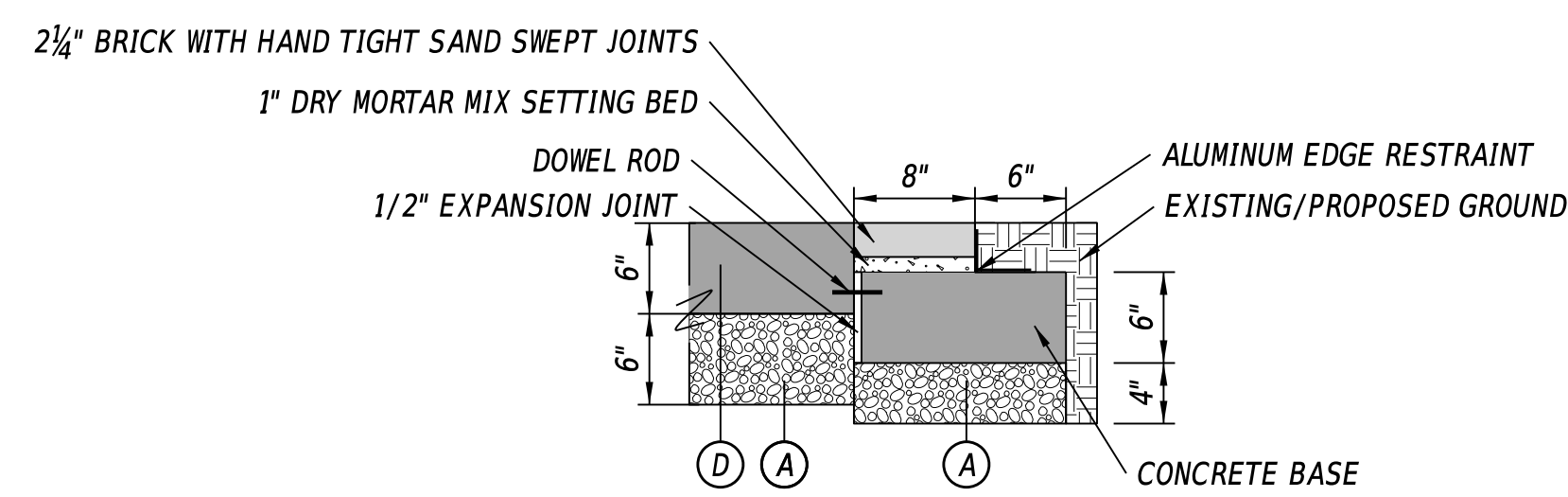
LEGEND	
(A)	ITEM 301003 - GABC
(B)	ITEM 701011 - PCC CURB, TYPE 1-4
(C)	ITEM 705002 - PCC SIDEWALK, 6"
(D)	ITEM 705501 - BRICK EDGED 6" CONCRETE SIDEWALK
(E)	ITEM 908004 - TOPSOIL, 6" DEPTH ITEM 908014 - PERMANENT GRASS SEEDING, DRY GROUND TIEM 908020 - EROSION CONTROL BLANKET MULCH
(F)	ITEM 401029 - SUPERPAVE TYPE C, PG 64-22, PATCHING
(G)	ITEM 401030 - SUPERPAVE, TYPE B, PG 64-22, PATCHING
(H)	ITEM 301002 - GABC, PATCHING
(I)	ITEM 701023 - 1 PCC CURB & GUTTER, TYPE 3-8



LAUREL SHARED USE PATH
VENABLES PARK ALIGNMENT
STATION 100+00.00 TO STATION 102+66.07

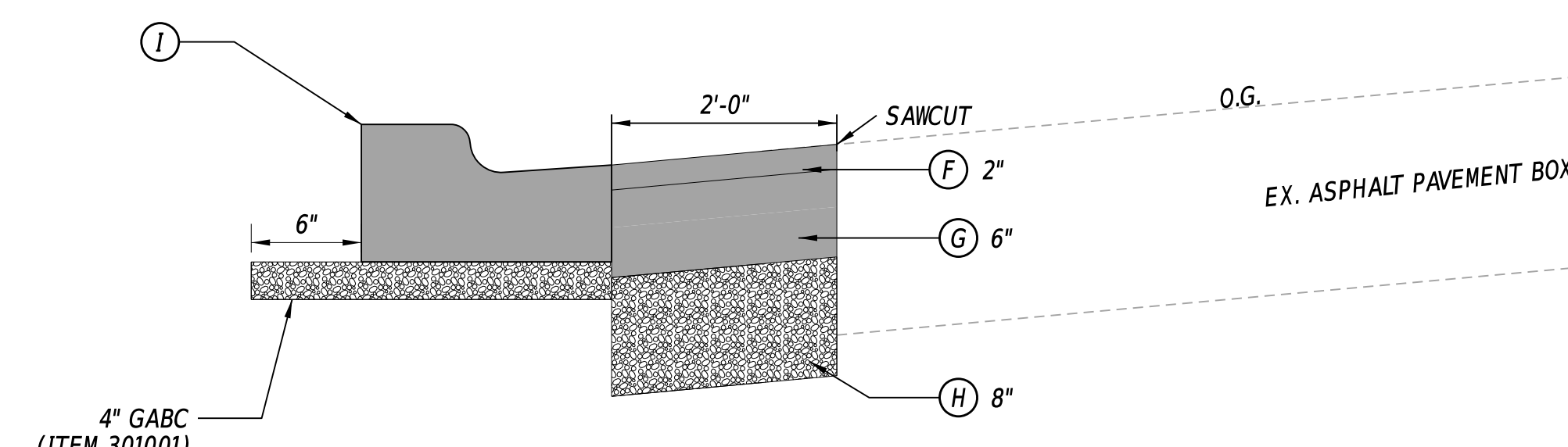


LAUREL SHARED USE PATH
JANOSIK PARK BRANCH ALIGNMENT
STATION 300+00.00 TO STATION 300+40.99
STATION 400+00.00 TO STATION 401+13.30



BRICK INSTALLATION DETAIL
NOT TO SCALE

NOTE: ALL ITEMS SHOWN IN BRICK INSTALLATION DETAIL ARE INCIDENTAL TO ITEM 705501 BRICK EDGED 6" CONCRETE SIDEWALK



P.C.C. CURB PAVEMENT PATCHING DETAIL
NOT TO SCALE

ADDENDA / REVISIONS

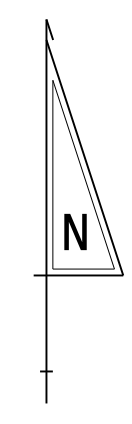
NOT TO SCALE

LAUREL RAMBLE PHASE II

CONTRACT	BRIDGE NO.	N/A
T202120006	DESIGNED BY:	A. REASS
COUNTY	CHECKED BY:	S. MCEVILLY
SUSSEX		

TYPICAL SECTIONS

SECTION
ROSSI
SHEET NO.
6

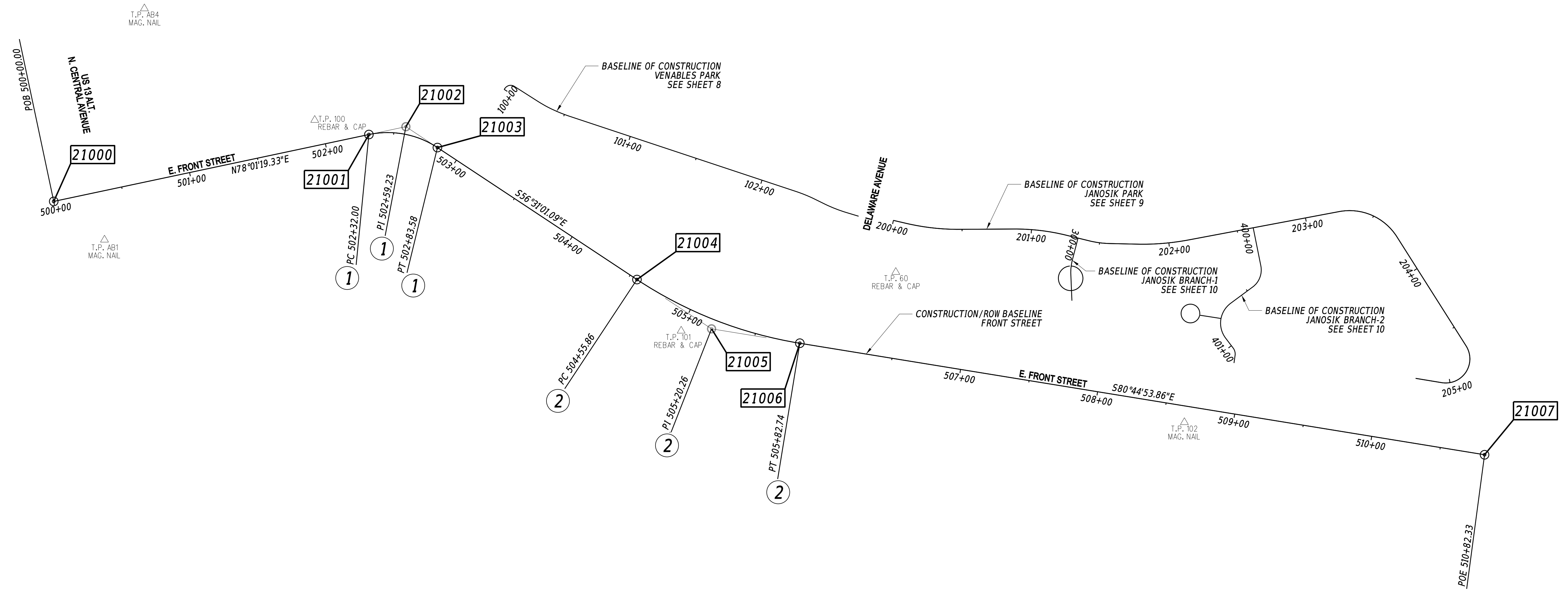


HORIZONTAL / VERTICAL CONTROL DATA					
POINT NO.	STATION	OFFSET	NORTHING	EASTING	ELEV.
TP-AB1	500+30.02	34.64' RT	203268.2320	611845.2060	15.88'
TP-AB4	500+92.69	122.29' LT	203434.7549	611873.9420	10.56'
TP-100	501+95.98	18.28' LT	203354.4423	611996.5698	6.60'
TP-101	505+00.57	16.89' RT	203202.6468	612260.4838	3.80'
TP-60	506+42.72	61.65' LT	203244.9405	612415.0330	4.47'
TP-102	508+65.24	11.70' RT	203136.7724	612622.8719	3.38'

CONSTRUCTION ALIGNMENT CONTROL				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
21000	500+00.00	0.00'	203295.8914	611808.6510
21007	510+82.33	0.00'	203113.4169	612839.0204

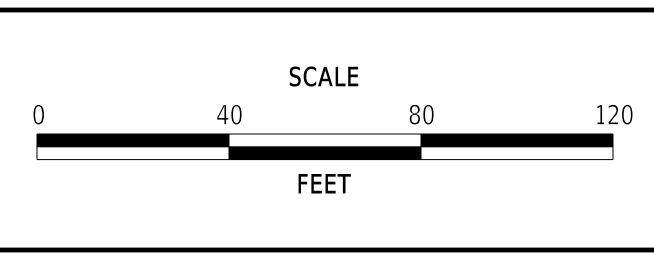
CIRCULAR CURVE NO. ①			
ELEMENT: CIRCULAR			
	STATION	NORTHING	EASTING
PC(21001)	502+32.00	203344.0402	612035.6027
PI(21002)	502+59.23	203349.6916	612062.2406
CC()		203280.4555	612049.0925
PT(21003)	502+83.58	203334.6686	612084.9524
RADIUS:	65.000		
DELTA:	45°27'39.58" RIGHT		
DEGREE OF CURVE(ARC):	88°08'50.59"		
LENGTH:	51.574		
TANGENT:	27.231		
CHORD:	50.232		
MIDDLE ORDINATE:	5.048		
EXTERNAL:	5.473		
TANGENT DIRECTION:	N78°01'19.33"E		
RADIAL DIRECTION:	S11°58'40.67"E		
CHORD DIRECTION:	S79°14'50.88"E		
RADIAL DIRECTION:	S33°28'58.91"W		
TANGENT DIRECTION:	S56°31'01.09"E		

CIRCULAR CURVE NO. ②			
ELEMENT: CIRCULAR			
	STATION	NORTHING	EASTING
PC(21004)	504+55.86	203239.6209	612228.6463
PI(21005)	505+20.26	203204.0920	612282.3592
CC()		203489.8357	612394.1532
PT(21005)	505+82.74	203193.7382	612345.9217
RADIUS:	300.000		
DELTA:	24°13'52.76" LEFT		
DEGREE OF CURVE(ARC):	19°05'54.94"		
LENGTH:	126.875		
TANGENT:	64.400		
CHORD:	125.931		
MIDDLE ORDINATE:	6.682		
EXTERNAL:	6.834		
TANGENT DIRECTION:	S56°31'01.09"E		
RADIAL DIRECTION:	S33°28'58.91"W		
CHORD DIRECTION:	S68°37'57.47"E		
RADIAL DIRECTION:	S09°15'06.14"W		
TANGENT DIRECTION:	S80°44'53.86"E		



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	

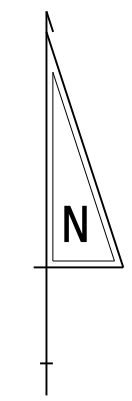


LAUREL RAMBLE PHASE II

CONTRACT	BRIDGE NO.	N/A
T202120006	DESIGNED BY:	A. REASS
COUNTY	CHECKED BY:	S. MCEVILLY
SUSSEX		

HORIZONTAL AND VERTICAL CONTROL	
SECTION	ROSSI
SHEET NO.	7

18-OCT-2024 10:53 C:\Users\Anthony.Reass\Documents\Projects - Documents\Project Files\18_105 DelDOT Laurel Design\CADD\Sheets\HV01.dgn



CIRCULAR CURVE NO. ③				
ELEMENT: CIRCULAR				
	STATION	NORTHING	EASTING	
PC(31001)	100+00.75	203377.1523	612133.4612	
PI(31002)	100+05.77	203381.4005	612136.1393	
CC()		203374.4859	612137.6908	
PT(31003)	100+08.63	203378.7039	612140.3757	
RADIUS:	5.000			
DELTA:	90°14'59.40" RIGHT			
DEGREE OF CURVE(ARC):	65°54'56.12"			
LENGTH:	7.876			
TANGENT:	5.022			
CHORD:	7.086			
MIDDLE ORDINATE:	1.472			
EXTERNAL:	2.087			
TANGENT DIRECTION:	N32°13'40.92"E			
RADIAL DIRECTION:	S57°46'19.08"E			
CHORD DIRECTION:	N77°21'10.62"E			
RADIAL DIRECTION:	S32°28'40.32"W			
TANGENT DIRECTION:	S57°31'19.68"E			

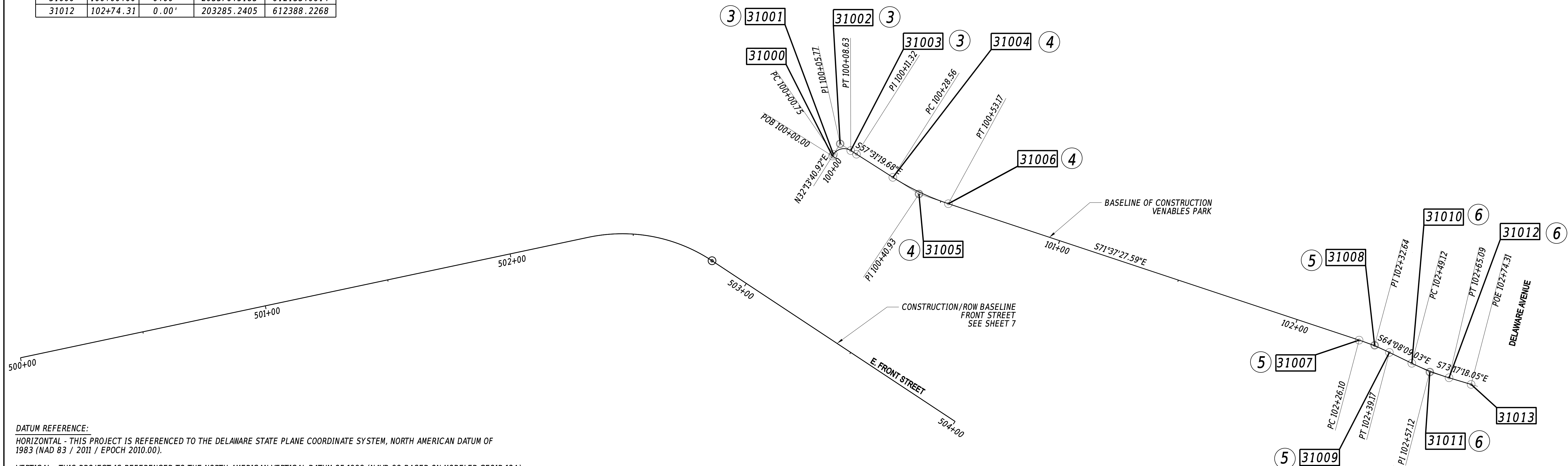
CIRCULAR CURVE NO. ④				
ELEMENT: CIRCULAR				
	STATION	NORTHING	EASTING	
PC(31004)	100+28.56	203367.9997	612157.1922	
PI(31005)	100+40.93	203361.3579	612167.6266	
CC()		203452.3596	612210.8895	
PT(31006)	100+53.17	203357.4586	612179.3649	
RADIUS:	100.000			
DELTA:	14°06'07.90" LEFT			
DEGREE OF CURVE(ARC):	57°17'44.81"			
LENGTH:	24.613			
TANGENT:	12.369			
CHORD:	24.551			
MIDDLE ORDINATE:	0.756			
EXTERNAL:	0.762			
TANGENT DIRECTION:	S57°31'19.68"E			
RADIAL DIRECTION:	S32°28'40.32"W			
CHORD DIRECTION:	S64°34'23.68"E			
RADIAL DIRECTION:	S18°22'32.41"W			
TANGENT DIRECTION:	S71°37'27.59"E			

CIRCULAR CURVE NO. ⑤				
ELEMENT: CIRCULAR				
	STATION	NORTHING	EASTING	
PC(31007)	102+26.10	203302.9446	612343.4728	
PI(31008)	102+32.64	203300.8815	612349.6834	
CC()		203208.0436	612311.9482	
PT(31009)	102+39.17	203298.0267	612355.5721	
RADIUS:	100.000			
DELTA:	07°29'18.55" RIGHT			
DEGREE OF CURVE(ARC):	57°17'44.81"			
LENGTH:	13.070			
TANGENT:	6.544			
CHORD:	13.061			
MIDDLE ORDINATE:	0.213			
EXTERNAL:	0.214			
TANGENT DIRECTION:	S71°37'27.59"E			
RADIAL DIRECTION:	S18°22'32.41"W			
CHORD DIRECTION:	S67°52'48.31"E			
RADIAL DIRECTION:	S25°51'50.97"W			
TANGENT DIRECTION:	S64°08'09.03"E			

CIRCULAR CURVE NO. ⑥				
ELEMENT: CIRCULAR				
	STATION	NORTHING	EASTING	
PC(31010)	102+49.12	203293.6852	612364.5272	
PI(31011)	102+57.12	203290.1935	612371.7296	
CC()		203383.6683	612408.1511	
PT(31012)	102+65.09	203287.8919	612379.3956	
RADIUS:	100.000			
DELTA:	09°09'09.01" LEFT			
DEGREE OF CURVE(ARC):	57°17'44.81"			
LENGTH:	15.974			
TANGENT:	8.004			
CHORD:	15.957			
MIDDLE ORDINATE:	0.319			
EXTERNAL:	0.320			
TANGENT DIRECTION:	S64°08'09.03"E			
RADIAL DIRECTION:	S25°51'50.96"W			
CHORD DIRECTION:	S68°42'43.54"E			
RADIAL DIRECTION:	S16°42'41.95"W			
TANGENT DIRECTION:	S73°17'18.05"E			

HORIZONTAL / VERTICAL CONTROL DATA					
POINT NO.	STATION	OFFSET	NORTHING	EASTING	ELEV.
TP-AB1	500+30.02	34.64' RT	203268.2320	611845.2060	15.88'
TP-AB4	500+92.69	122.29' LT	203434.7549	611873.9420	10.56'
TP-100	501+95.98	18.28' LT	203354.4423	611996.5698	6.60'
TP-101	505+00.57	16.89' RT	203202.6468	612260.4838	3.80'
TP-60	506+42.72	61.65' LT	203244.9405	612415.0330	4.47'
TP-102	508+65.24	11.70' RT	203136.7724	612622.8719	3.38'

CONSTRUCTION ALIGNMENT CONTROL					
POINT NO.	STATION	OFFSET	NORTHING	EASTING	
31000	100+00.00	0.00'	203376.5183	612133.0614	
31012	102+74.31	0.00'	203285.2405	612388.2268	

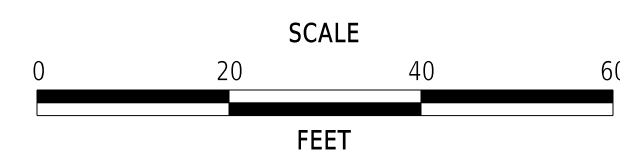


DATUM REFERENCE:

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



LAUREL RAMBLE PHASE II

CONTRACT	T202120006	BRIDGE NO.	N/A
COUNTY	SUSSEX	DESIGNED BY:	A. REASS
		CHECKED BY:	S. MCEVILLY

HORIZONTAL AND VERTICAL CONTROL

SECTION	ROSSI
SHEET NO.	8

HORIZONTAL / VERTICAL CONTROL DATA					
POINT NO.	STATION	OFFSET	NORTHING	EASTING	ELEV.
TP-AB1	500+30.02	34.64' RT	203268.2320	611845.2060	15.88'
TP-AB4	500+92.69	122.29' LT	203434.7549	611873.9420	10.56'
TP-100	501+95.98	18.28' LT	203354.4423	611996.5698	6.60'
TP-101	505+00.57	16.89' RT	203202.6468	612260.4838	3.80'
TP-60	506+42.72	61.65' LT	203244.9405	612415.0330	4.47'
TP-102	508+65.24	11.70' RT	203136.7724	612622.8719	3.38'

CONSTRUCTION ALIGNMENT CONTROL				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
41000	200+00.00	0.00'	203282.1953	612413.3294
41021	205+25.00	0.00'	203168.4768	612789.3467

CIRCULAR CURVE NO. 10				
ELEMENT: CIRCULAR				
	STATION	NORTHING	EASTING	
PC(40011)	201+76.82	203265.0866	612588.5587	
HPI(40012)	201+95.58	203264.6417	612607.3154	
CC()		203443.0967	612592.7813	
PT(40013)	202+14.20	203268.1159	612625.7529	
RADIUS:	178.060			
DELTA:	12°01'47.99" LEFT			
DEGREE OF CURVE(ARC):	32°10'40.00"			
LENGTH:	37.386			
TANGENT:	18.762			
CHORD:	37.317			
MIDDLE ORDINATE:	0.980			
EXTERNAL:	0.986			
TANGENT DIRECTION:	S88°38'28.01"E			
RADIAL DIRECTION:	S01°21'31.99"W			
CHORD DIRECTION:	S85°20'37.99"E			
RADIAL DIRECTION:	S10°40'16.01"E			
TANGENT DIRECTION:	N79°19'43.99"E			

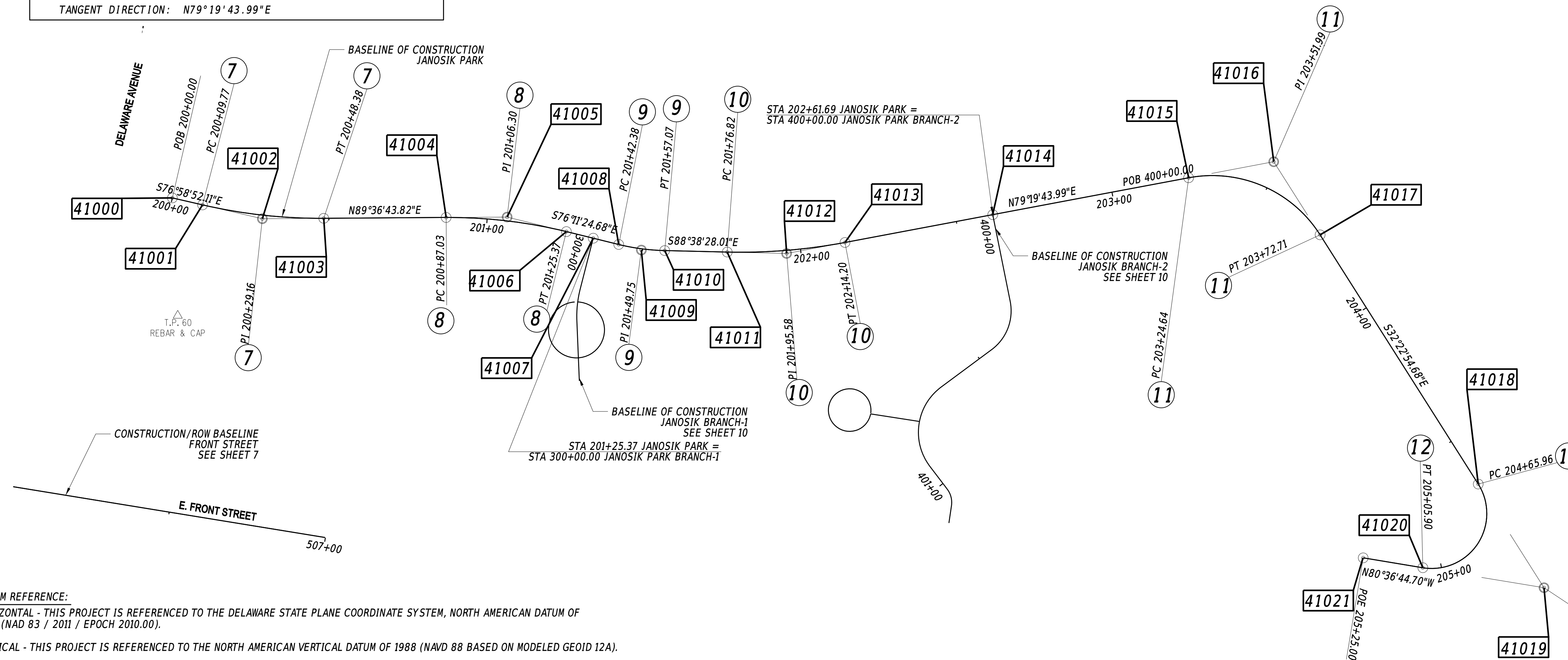
CIRCULAR CURVE NO. 7				
ELEMENT: CIRCULAR				
	STATION	NORTHING	EASTING	
PC(40001)	200+09.77	203279.9949	612422.8460	
HPI(40002)	200+29.16	203275.6263	612441.7401	
CC()		203440.7516	612460.0154	
PT(40003)	200+48.38	203275.7576	612461.1322	
RADIUS:	164.9978			
DELTA:	13°24'24.08" LEFT			
DEGREE OF CURVE(ARC):	34°43'30.67"			
LENGTH:	38.608			
TANGENT:	19.393			
CHORD:	38.519			
MIDDLE ORDINATE:	1.128			
EXTERNAL:	1.136			
TANGENT DIRECTION:	S76°58'52.11"E			
RADIAL DIRECTION:	S13°01'07.89"W			
CHORD DIRECTION:	S83°41'04.15"E			
RADIAL DIRECTION:	S00°23'16.18"E			
TANGENT DIRECTION:	N89°36'43.82"E			

CIRCULAR CURVE NO. 8				
ELEMENT: CIRCULAR				
	STATION	NORTHING	EASTING	
PC(40004)	200+87.03	203276.0192	612499.7847	
HPI(40005)	201+06.30	203276.1496	612519.0548	
CC()		203121.2839	612500.8321	
PT(40006)	201+25.37	203271.5498	612537.7682	
RADIUS:	154.739			
DELTA:	14°11'51.50" RIGHT			
DEGREE OF CURVE(ARC):	37°01'38.63"			
LENGTH:	38.344			
TANGENT:	19.271			
CHORD:	38.246			
MIDDLE ORDINATE:	1.186			
EXTERNAL:	1.195			
TANGENT DIRECTION:	N89°36'43.82"E			
RADIAL DIRECTION:	S00°23'16.18"E			
CHORD DIRECTION:	S83°17'20.43"E			
RADIAL DIRECTION:	S13°48'35.32"W			
TANGENT DIRECTION:	S76°11'24.68"E			

CIRCULAR CURVE NO. 9				
ELEMENT: CIRCULAR				
	STATION	NORTHING	EASTING	
PC(40008)	201+42.38	203267.4895	612544.2865	
HPI(40009)	201+49.75	203265.7298	612561.4454	
CC()		203333.1163	612570.4179	
PT(40010)	201+57.07	203265.5550	612568.8153	
RADIUS:	67.580			
DELTA:	12°27'03.33" LEFT			
DEGREE OF CURVE(ARC):	84°46'54.24"			
LENGTH:	14.686			
TANGENT:	7.372			
CHORD:	14.657			
MIDDLE ORDINATE:	0.399			
EXTERNAL:	0.401			
TANGENT DIRECTION:	S76°11'24.68"E			
RADIAL DIRECTION:	S13°48'35.32"W			
CHORD DIRECTION:	S82°24'56.35"E			
RADIAL DIRECTION:	S01°21'31.99"W			
TANGENT DIRECTION:	N88°38'28.01"E			

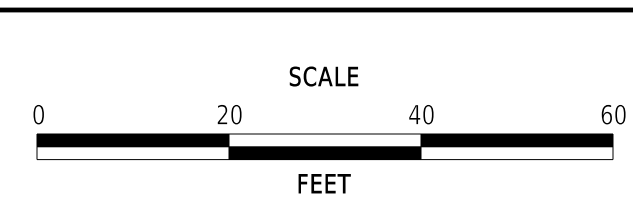
CIRCULAR CURVE NO. 11				
ELEMENT: CIRCULAR				
	STATION	NORTHING	EASTING	
PC(40015)	203+24.64	203288.5660	612734.2817	
HPI(40016)	203+51.99	203293.6306	612761.1598	
CC()		203248.9337	612741.7496	
PT(40017)	203+72.71	203270.5327	612775.8079	
RADIUS:	40.330			
DELTA:	68°17'21.33" RIGHT			
DEGREE OF CURVE(ARC):	142°04'06.63"			
LENGTH:	48.068			
TANGENT:	27.351			
CHORD:	45.273			
MIDDLE ORDINATE:	6.952			
EXTERNAL:	8.400			
TANGENT DIRECTION:	N79°19'43.99"E			
RADIAL DIRECTION:	S10°40'16.01"E			
CHORD DIRECTION:	S66°31'35.34"E			
RADIAL DIRECTION:	S57°37'05.32"W			
TANGENT DIRECTION:	S32°22'54.68"E			

CIRCULAR CURVE NO. 12				
ELEMENT: CIRCULAR				
	STATION	NORTHING	EASTING	
PC(40018)	204+65.96	203191.7838	612825.7485	
HPI(40019)	205+04.75	203159.0239	612846.5240	
CC()		203182.4838	612811.0838	
PT(40020)	205+05.90	203165.3514	612808.2514	
RADIUS:	17.365			
DELTA:	131°46'09.98" RIGHT			
DEGREE OF CURVE(ARC):	329°57'00.02"			
LENGTH:	39.936			
TANGENT:	38.792			
CHORD:	31.699			
MIDDLE ORDINATE:	10.270			
EXTERNAL:	25.136			
TANGENT DIRECTION:	S32°22'54.68"E			
RADIAL DIRECTION:	S57°37'05.32"W			
CHORD DIRECTION:	S33°30'10.31"W			
RADIAL DIRECTION:	N09°23'15.30"E			
TANGENT DIRECTION:	N80°36'44.70"W			



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



LAUREL RAMBLE PHASE II

CONTRACT	BRIDGE NO.	N/A
T202120006	DESIGNED BY:	A. REASS
COUNTY	CHECKED BY:	S. MCEVILLY
SUSSEX		

HORIZONTAL AND VERTICAL CONTROL

SECTION
ROSSI
SHEET NO.
9

HORIZONTAL / VERTICAL CONTROL DATA					
POINT NO.	STATION	OFFSET	NORTHING	EASTING	ELEV.
TP-AB1	500+30.02	34.64' RT	203268.2320	611845.2060	15.88'
TP-AB4	500+92.69	122.29' LT	203434.7549	611873.9420	10.56'
TP-100	501+95.98	18.28' LT	203354.4423	611996.5698	6.60'
TP-101	505+00.57	16.89' RT	203202.6468	612260.4838	3.80'
TP-60	506+42.72	61.65' LT	203244.9405	612415.0330	4.47'
TP-102	508+65.24	11.70' RT	203136.7724	612622.8719	3.38'

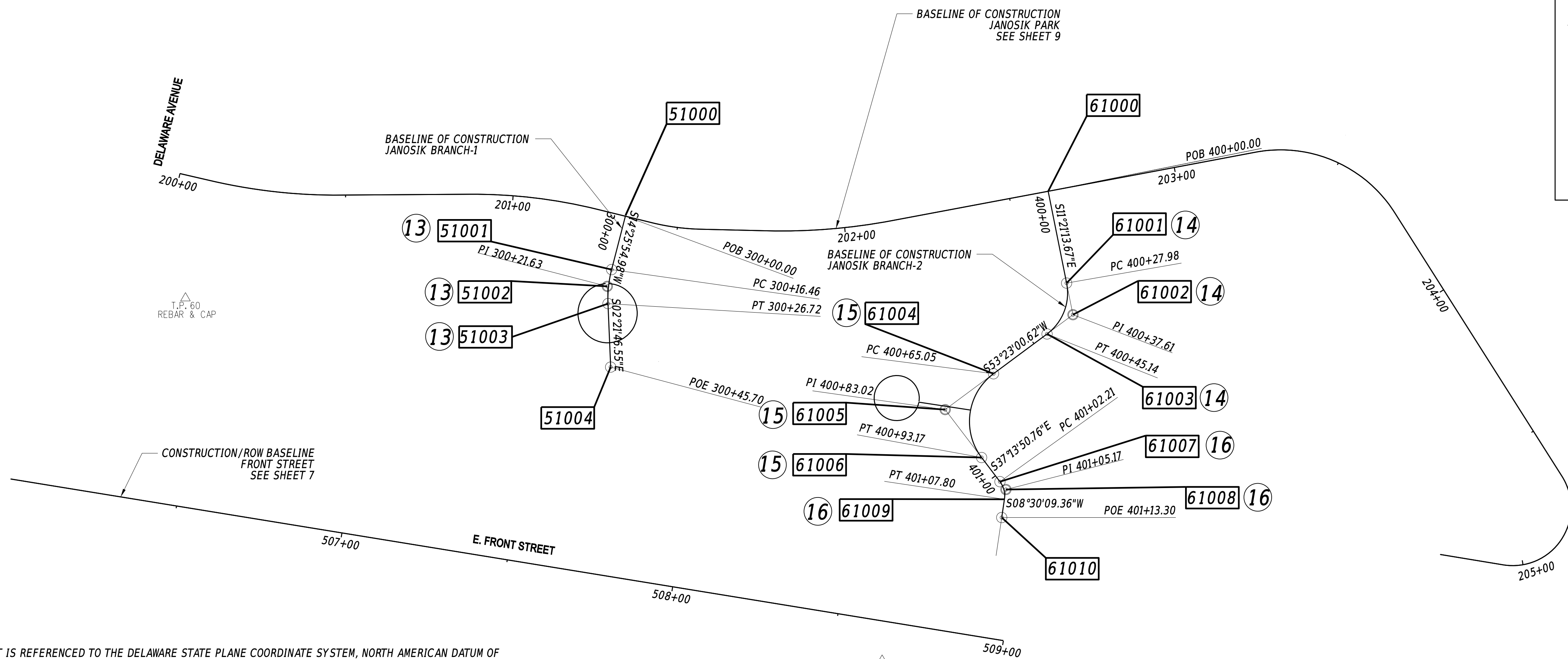
CONSTRUCTION ALIGNMENT CONTROL					
POINT NO.	STATION	OFFSET	NORTHING	EASTING	
51000	300+00.00	0.00'	203269.6995	612546.3098	
51004	300+45.94	0.00'	203224.3983	612541.8542	
61000	400+00.00	0.00'	203276.9086	612672.4161	
61010	401+13.30	0.00'	203179.4805	612658.5657	

CIRCULAR CURVE NO. 13				
ELEMENT: CIRCULAR				
	STATION	NORTHING	EASTING	
PC(51001)	300+16.46	203253.5226	612542.1466	
HPI(51002)	300+21.63	203248.5189	612540.8589	
CC()		203244.7996	612576.0422	
PT(51003)	300+26.72	203243.3566	612541.0719	
RADIUS:	35.000			
DELTA:	16°47'41.53" LEFT			
DEGREE OF CURVE(ARC):	163°42'08.02"			
LENGTH:	10.259			
TANGENT:	5.167			
CHORD:	10.223			
MIDDLE ORDINATE:	0.375			
EXTERNAL:	0.379			
TANGENT DIRECTION:	S14°25'54.98"W			
RADIAL DIRECTION:	N75°34'05.02"W			
CHORD DIRECTION:	S06°02'04.21"W			
RADIAL DIRECTION:	S87°38'13.45"W			
TANGENT DIRECTION:	S02°21'46.55"E			

CIRCULAR CURVE NO. 14				
ELEMENT: CIRCULAR				
	STATION	NORTHING	EASTING	
PC(61001)	400+27.98	203249.4795	612677.9238	
HPI(61002)	400+37.61	203240.0385	612679.8195	
CC()		203246.4887	612663.0291	
PT(61003)	400+45.14	203234.2949	612672.0905	
RADIUS:	15.192			
DELTA:	64°44'14.30" RIGHT			
DEGREE OF CURVE(ARC):	17°08'39.56"			
LENGTH:	17.165			
TANGENT:	9.629			
CHORD:	16.267			
MIDDLE ORDINATE:	2.361			
EXTERNAL:	2.795			
TANGENT DIRECTION:	S11°21'13.67"E			
RADIAL DIRECTION:	S78°38'46.33"W			
CHORD DIRECTION:	S21°00'53.47"W			
RADIAL DIRECTION:	N36°36'59.38"W			
TANGENT DIRECTION:	S53°23'00.62"W			

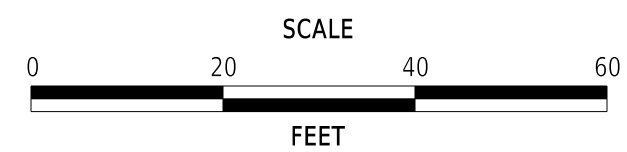
CIRCULAR CURVE NO. 15				
ELEMENT: CIRCULAR				
	STATION	NORTHING	EASTING	
PC(61004)	400+65.05	203222.4183	612656.1082	
HPI(61005)	400+83.02	203211.7006	612641.6856	
CC()		203208.1494	612666.7116	
PT(61006)	400+93.17	203197.3937	612652.5572	
RADIUS:	17.777			
DELTA:	90°36'51.38" LEFT			
DEGREE OF CURVE(ARC):	322°17'51.61"			
LENGTH:	28.115			
TANGENT:	17.969			
CHORD:	25.275			
MIDDLE ORDINATE:	5.274			
EXTERNAL:	7.499			
TANGENT DIRECTION:	S53°23'00.62"W			
RADIAL DIRECTION:	N36°36'59.38"W			
CHORD DIRECTION:	S08°04'34.93"W			
RADIAL DIRECTION:	S52°46'09.24"W			
TANGENT DIRECTION:	S37°13'50.76"E			

CIRCULAR CURVE NO. 16				
ELEMENT: CIRCULAR				
	STATION	NORTHING	EASTING	
PC(61007)	401+02.21	203190.1922	612658.0295	
HPI(61008)	401+05.17	203187.8418	612659.8156	
CC()		203185.9571	612652.4561	
PT(61009)	401+07.80	203184.9221	612659.3792	
RADIUS:	7.000			
DELTA:	45°44'00.12" RIGHT			
DEGREE OF CURVE(ARC):	98°30'40.09"			
LENGTH:	5.587			
TANGENT:	2.952			
CHORD:	5.440			
MIDDLE ORDINATE:	0.550			
EXTERNAL:	0.597			
TANGENT DIRECTION:	S37°13'50.76"E			
RADIAL DIRECTION:	S52°46'09.24"W			
CHORD DIRECTION:	S14°21'50.70"E			
RADIAL DIRECTION:	N81°29'50.64"W			
TANGENT DIRECTION:	S08°30'09.36"W			



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



LAUREL RAMBLE PHASE II

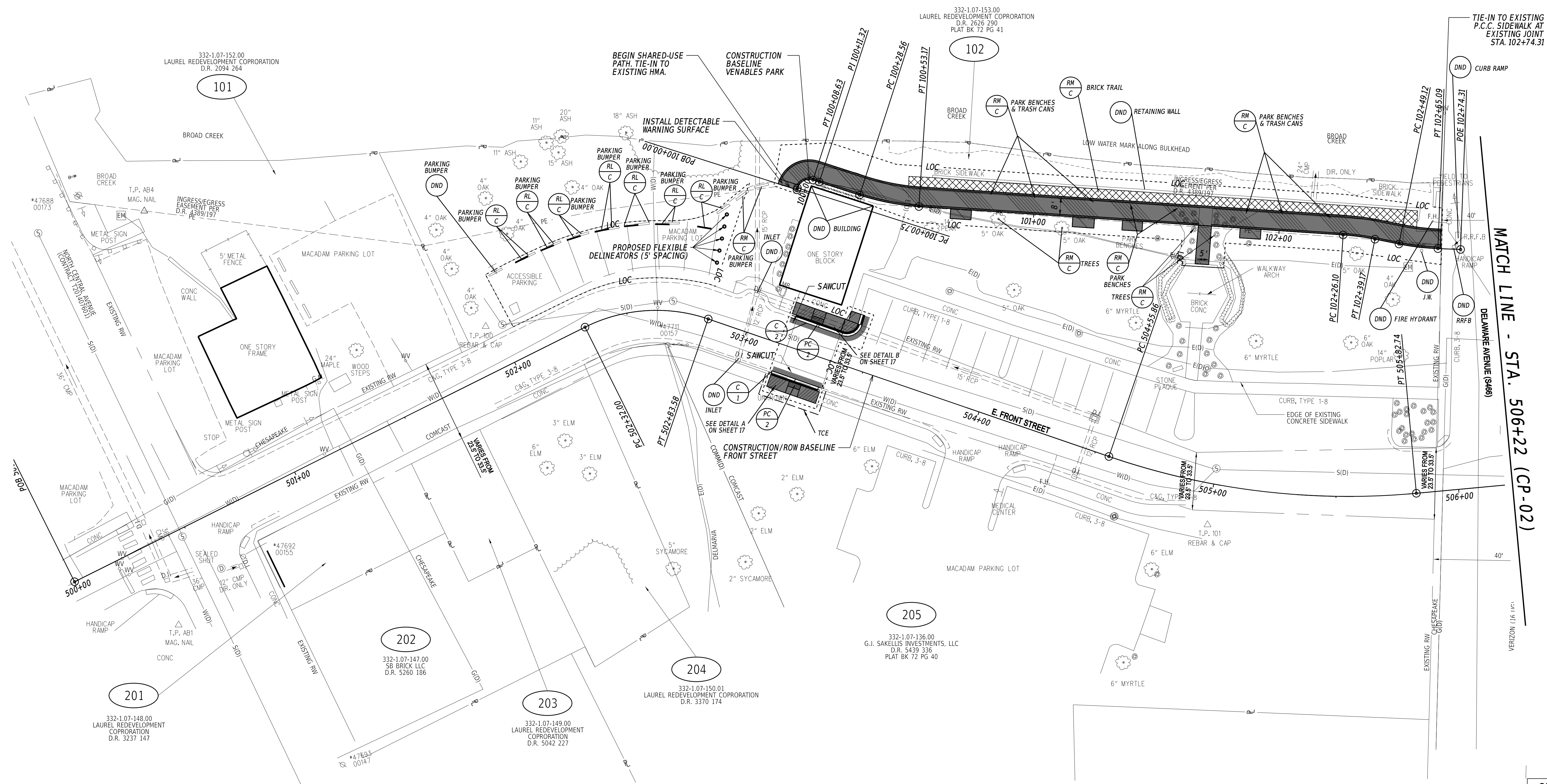
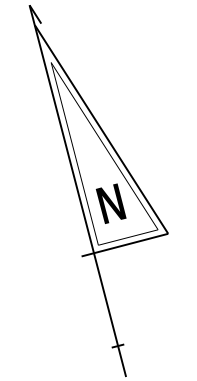
CONTRACT	BRIDGE NO.	N/A
T202120006	DESIGNED BY:	A. REASS
COUNTY	CHECKED BY:	S. MCEVILLY
SUSSEX		

HORIZONTAL AND VERTICAL CONTROL

SECTION
ROSSI
SHEET NO.
10

- NOTES:**
- RIGHT-OF-WAY IS SHOWN FOR INFORMATIONAL PURPOSES ONLY.
 - THE LIMIT OF CONSTRUCTION (LOC) AS DESIGNATED ON THE PLANS, INDICATES LOCATIONS WHERE THE DEPARTMENT HAS THE RIGHT TO ENTER TO PERFORM THE WORK AS INDICATED. THE TOWN OF LAUREL AND LAUREL REDEVELOPMENT CORPORATION WILL OWN AND MAINTAIN THOSE AREAS. THIS HAS BEEN FORMALIZED IN THE CONSTRUCTION AGREEMENT BETWEEN THE TOWN OF LAUREL AND LAUREL REDEVELOPMENT CORPORATION WITH THE DEPARTMENT.
 - DO NOT DISTURB ANY EXISTING UTILITIES OR UTILITY POLES UNLESS NOTED OTHERWISE IN THESE PLANS.
 - SEE CONSTRUCTION PLAN DETAILS FOR INFORMATION ON PARK BENCH PADS, SIDEWALK BRANCHES, EXISTING PEDESTRIAN CONNECTION, AND PROPOSED PEDESTRIAN CONNECTIONS

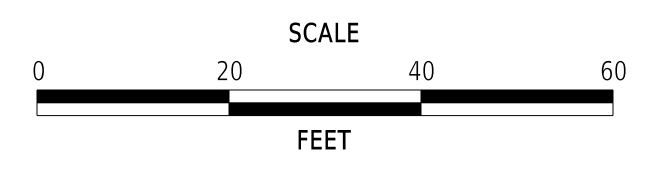
CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
1	PCC CURB AND GUTTER, TYPE 3-8	21'
2	PCC CURB AND GUTTER, TYPE 3-8	30'



MATCH LINE - STA. 506+22 (CP-02)

TIE-IN TO EXISTING P.C.C. SIDEWALK AT EXISTING JOINT STA. 102+74.31

ADDENDA / REVISIONS



LAUREL RAMBLE PHASE II

CONTRACT	BRIDGE NO.	N/A
T202120006	DESIGNED BY:	A. REASS
COUNTY	CHECKED BY:	S. MCEVILLY
SUSSEX		

CONSTRUCTION PLAN

CP-01
SECTION
ROSSI
SHEET NO.
11

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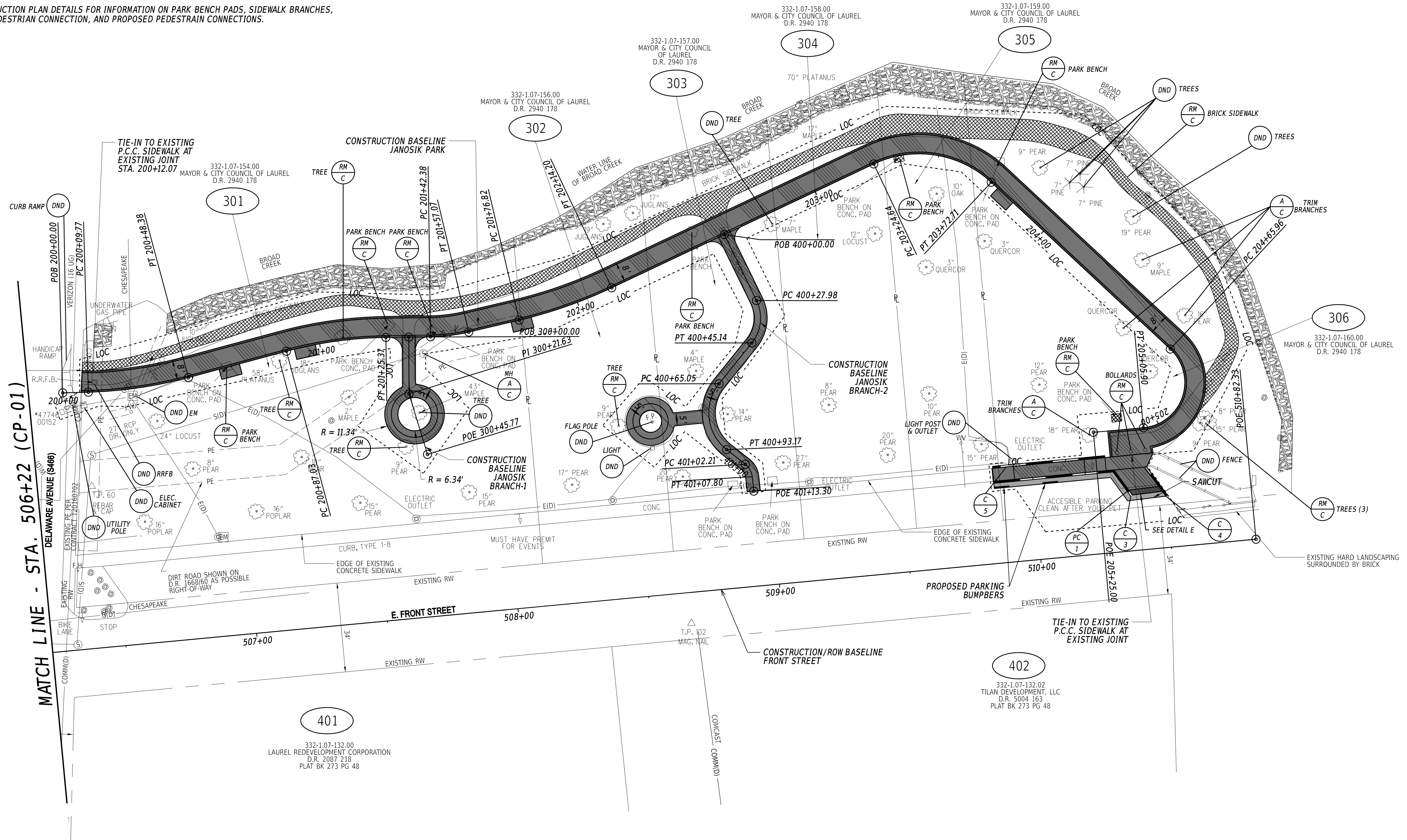
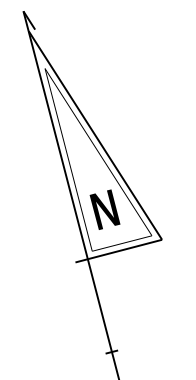
NOTES:
 1. RIGHT-OF-WAY IS SHOWN FOR INFORMATIONAL PURPOSES ONLY.

2. THE LIMIT OF CONSTRUCTION (LOC) AS DESIGNATED ON THE PLANS, INDICATES LOCATIONS WHERE THE DEPARTMENT HAS THE RIGHT TO ENTER TO PERFORM THE WORK AS INDICATED. THE TOWN OF LAUREL AND LAUREL REDEVELOPMENT CORPORATION WILL OWN AND MAINTAIN THOSE AREAS. THIS HAS BEEN FORMALIZED IN THE CONSTRUCTION AGREEMENT BETWEEN THE TOWN OF LAUREL AND LAUREL REDEVELOPMENT CORPORATION WITH THE DEPARTMENT.

3. DO NOT DISTURB ANY EXISTING UTILITIES OR UTILITY POLES UNLESS NOTED OTHERWISE IN THESE PLANS.

4. SEE CONSTRUCTION PLAN DETAILS FOR INFORMATION ON PARK BENCH PADS, SIDEWALK BRANCHES, EXISTING PEDESTRIAN CONNECTION, AND PROPOSED PEDESTRIAN CONNECTIONS.

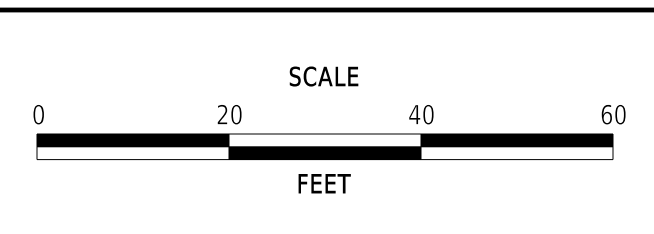
CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
3	PCC CURB, TYPE 1-8	57'
4	PCC CURB, TYPE 1-8	14'
5	PCC CURB, TYPE 1-8	43'



MATCH LINE - STA. 506+22 (CP-01)

DELAWARE AVENUE (S466)

ADDENDA / REVISIONS



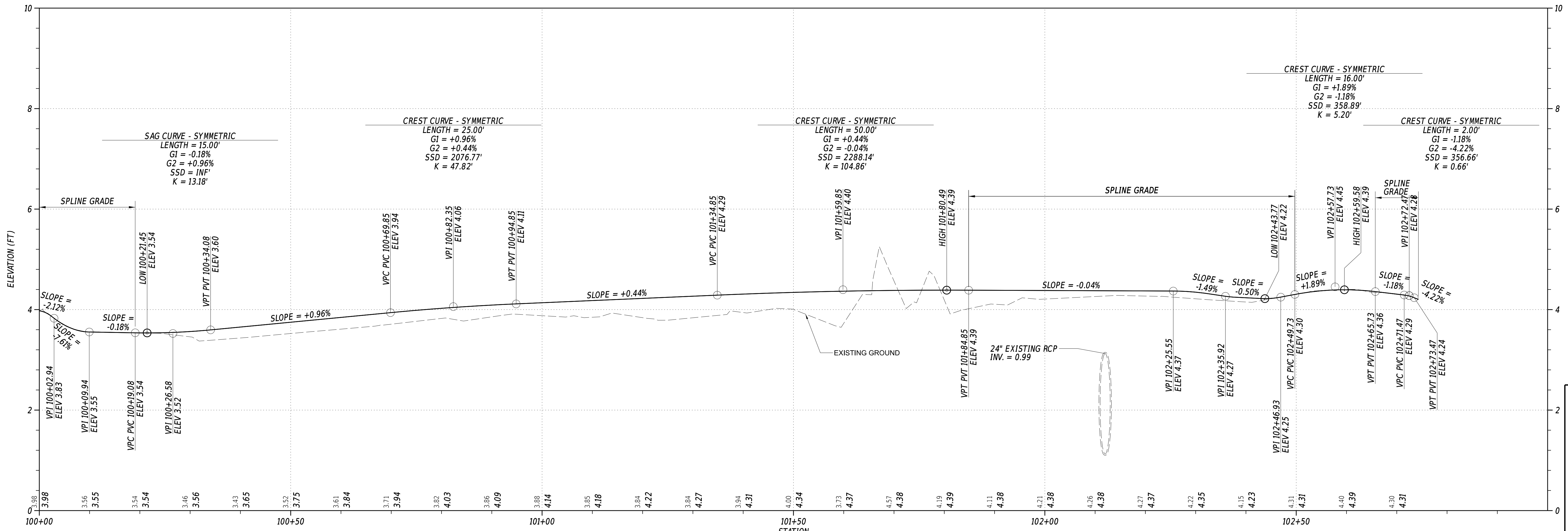
LAUREL RAMBLE PHASE II

CONTRACT	T202120006
COUNTY	SUSSEX
BRIDGE NO.	N/A
DESIGNED BY:	A. REASS
CHECKED BY:	S. MCEVILLY

CONSTRUCTION PLAN

CP-02
SECTION
ROSSI
SHEET NO.
12

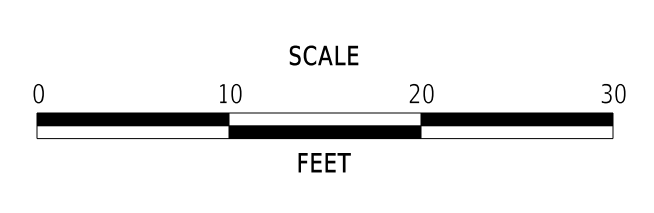
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NOTE: THE BORING DATA PROVIDED ON THE PROFILE SHEETS INDICATES THE SOIL CONDITION ONLY AT THE SPECIFIC LOCATION EACH BORING WAS PERFORMED AND ONLY TO THE DEPTH PENETRATED.

VENABLES PARK SHARED-USE PATH

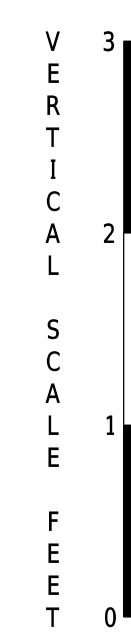
ADDENDA / REVISIONS	



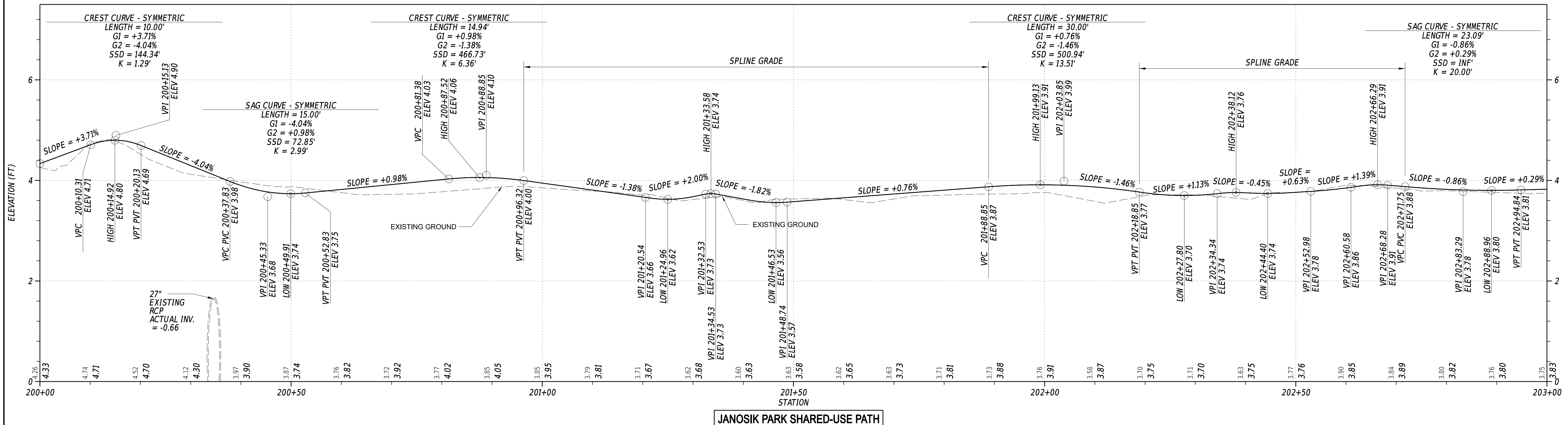
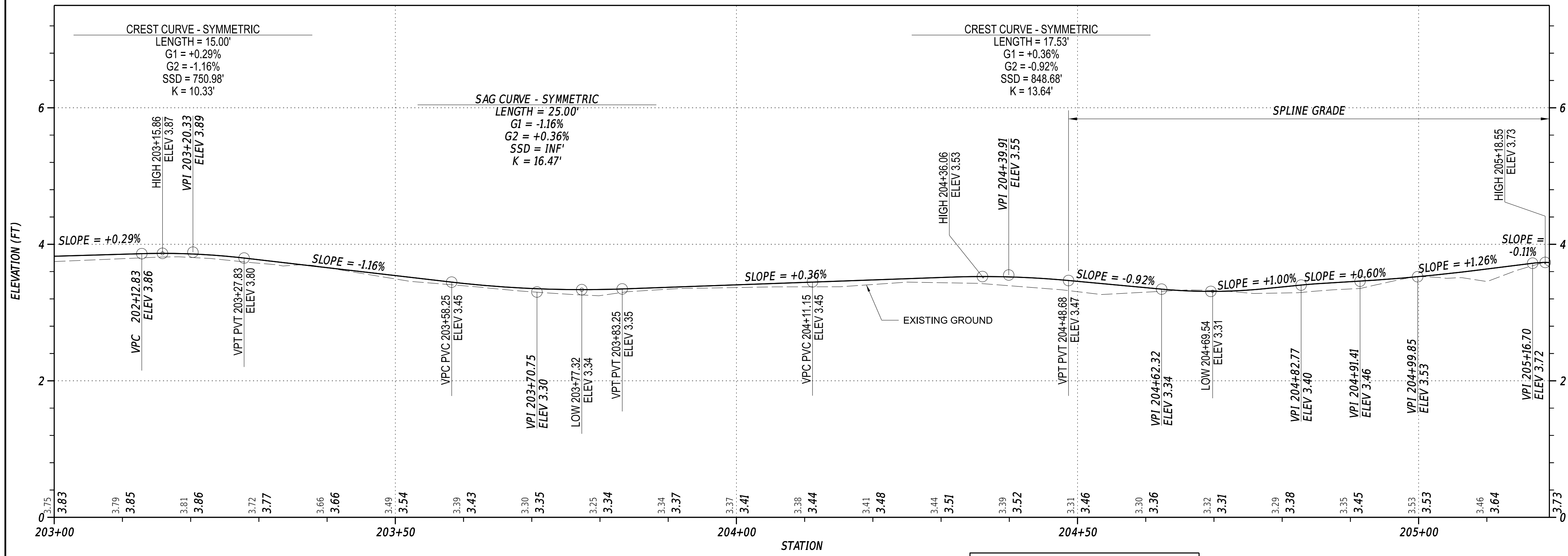
LAUREL RAMBLE PHASE II

CONTRACT	BRIDGE NO.	N/A
T202120006	DESIGNED BY:	A. REASS
COUNTY	CHECKED BY:	S. MCEVILLY
SUSSEX		

PROFILES	
SECTION	ROSSI
SHEET NO.	13

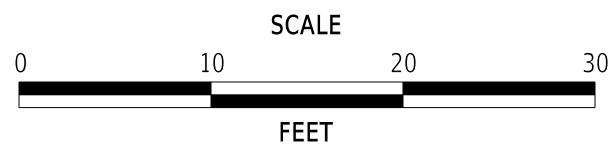


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NOTE: THE BORING DATA PROVIDED ON THE PROFILE SHEETS INDICATES THE SOIL CONDITION ONLY AT THE SPECIFIC LOCATION EACH BORING WAS PERFORMED AND ONLY TO THE DEPTH PENETRATED.

ADDENDA / REVISIONS

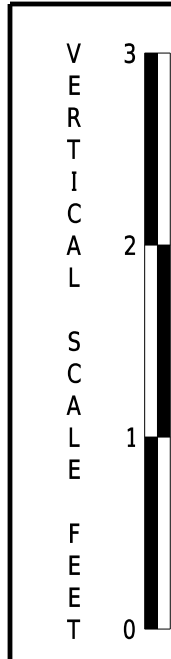


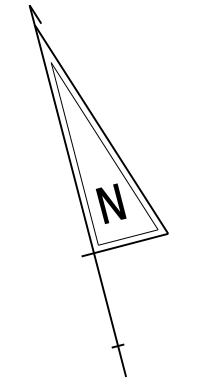
LAUREL RAMBLE PHASE II

CONTRACT	T202120006	BRIDGE NO.	N/A
COUNTY	SUSSEX	DESIGNED BY:	A. REASS
		CHECKED BY:	S. MCEVILLY

PROFILES

SECTION	ROSSI
SHEET NO.	14

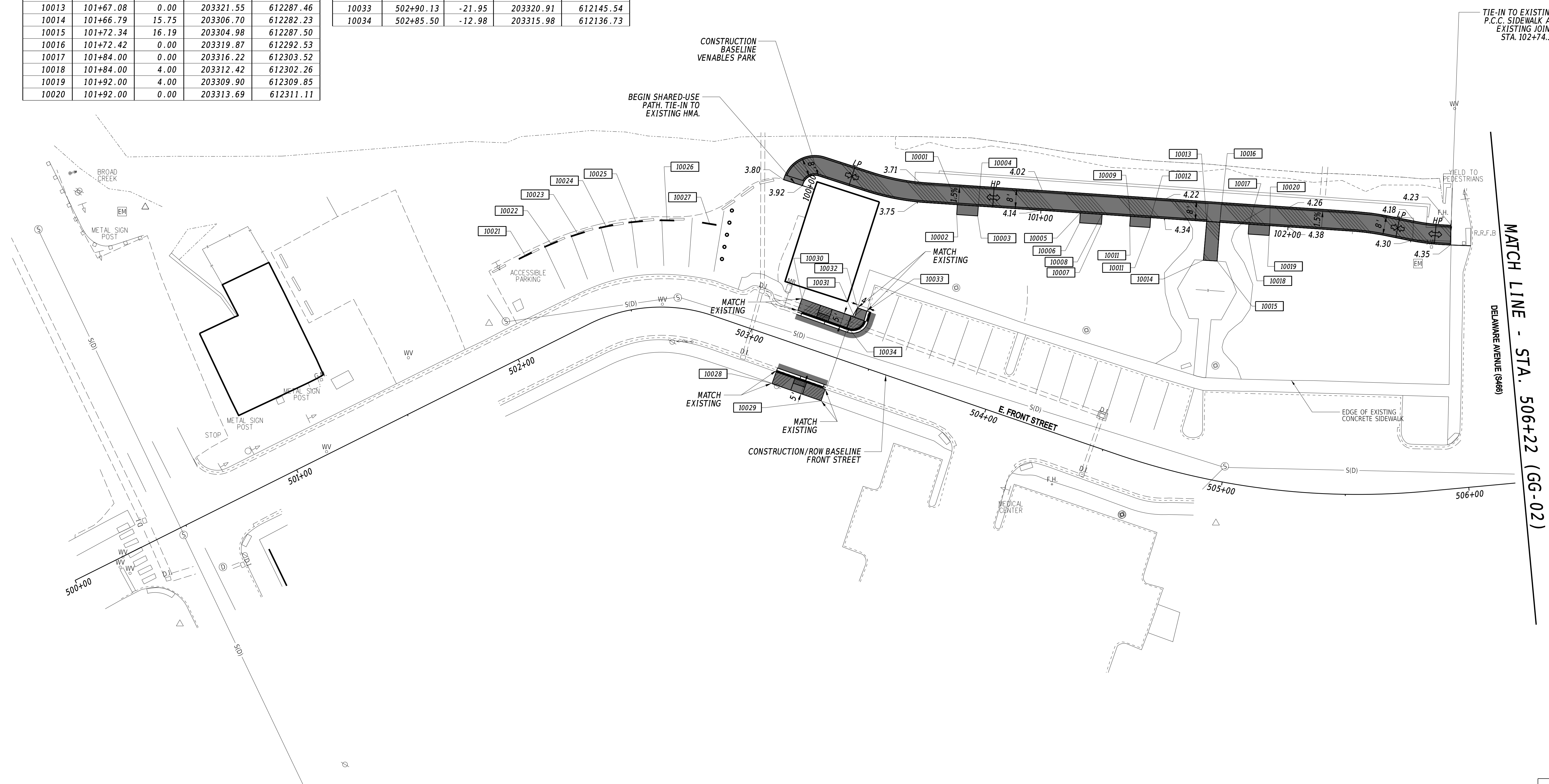




COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
10001	100+70.00	0.00	203352.15	612195.33
10002	100+70.00	4.00	203348.36	612194.07
10003	100+78.00	4.00	203345.84	612201.67
10004	100+78.00	0.00	203348.38	612202.51
10005	101+20.00	0.00	203336.39	612242.79
10006	101+20.00	4.00	203332.60	612241.52
10007	101+28.00	4.00	203330.07	612249.12
10008	101+28.00	0.00	203333.87	612250.38
10009	101+36.00	0.00	203331.35	612257.97
10010	101+36.00	4.00	203327.55	612256.71
10011	101+44.00	4.00	203325.03	612264.30
10012	101+44.00	0.00	203328.83	612265.56
10013	101+67.08	0.00	203321.55	612287.46
10014	101+66.79	15.75	203306.70	612282.23
10015	101+72.34	16.19	203304.98	612287.50
10016	101+72.42	0.00	203319.87	612292.53
10017	101+84.00	0.00	203316.22	612303.52
10018	101+84.00	4.00	203312.42	612302.26
10019	101+92.00	4.00	203309.90	612309.85
10020	101+92.00	0.00	203313.69	612311.11

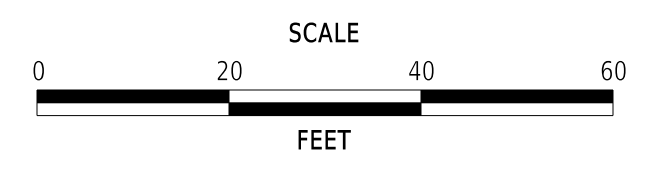
COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
10021	502+21.24	-36.51	203377.52	612017.49
10022	502+32.00	-36.08	203379.46	612028.75
10023	502+32.00	-36.92	203380.66	612040.24
10024	502+32.00	-40.30	203380.81	612052.09
10025	502+32.00	-45.69	203379.65	612064.23
10026	502+32.00	-52.64	203377.02	612076.63
10027	502+32.00	-63.48	203371.38	612092.89
10028	502+63.39	18.21	203302.16	612101.09
10029	502+84.39	18.34	203290.47	612118.53
10030	502+63.67	-18.16	203332.34	612121.38
10031	502+86.18	-17.98	203319.77	612140.05
10032	502+86.09	-21.98	203323.16	612142.19
10033	502+90.13	-21.95	203320.91	612145.54
10034	502+85.50	-12.98	203315.98	612136.73

NOTES:
 1. COORDINATE POINTS PROVIDED AT BENCH PAD LOCATIONS DEFINE MAXIMUM IMPACTS. SEE SHEET 17.



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ADDENDA / REVISIONS



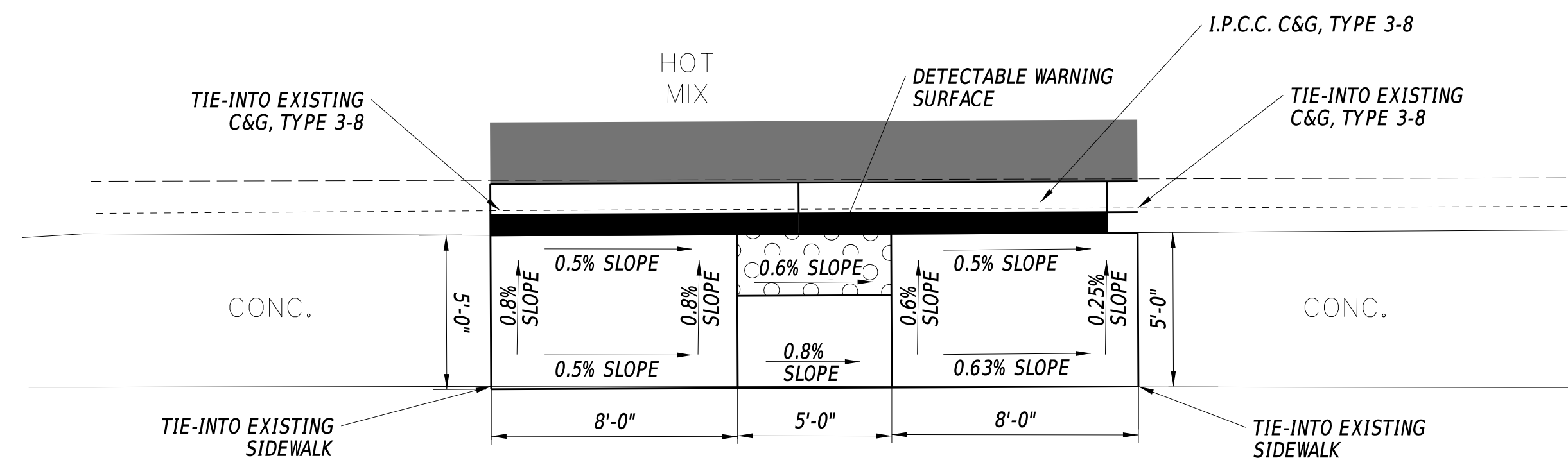
LAUREL RAMBLE PHASE II

CONTRACT	T202120006	BRIDGE NO.	N/A
COUNTY	SUSSEX	DESIGNED BY:	A. REASS
		CHECKED BY:	S. MCEVILLY

GRADES AND GEOMETRICS

GG-01
SECTION
ROSSI
SHEET NO.
15

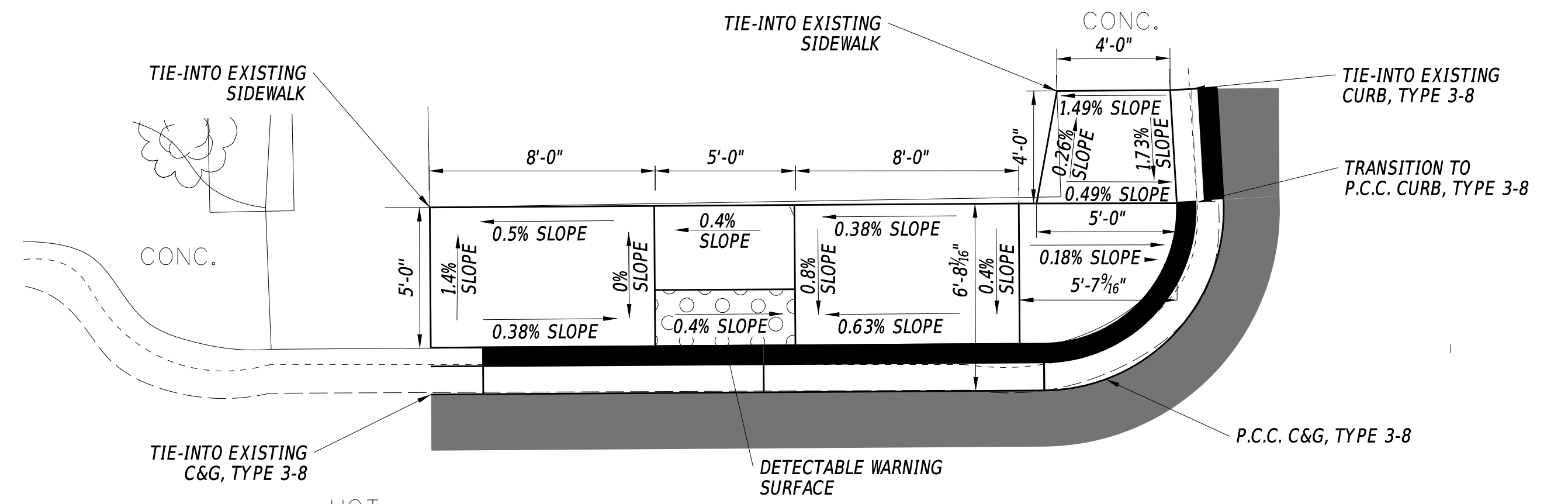
EAST FRONT STREET



EAST FRONT STREET CURB RAMP

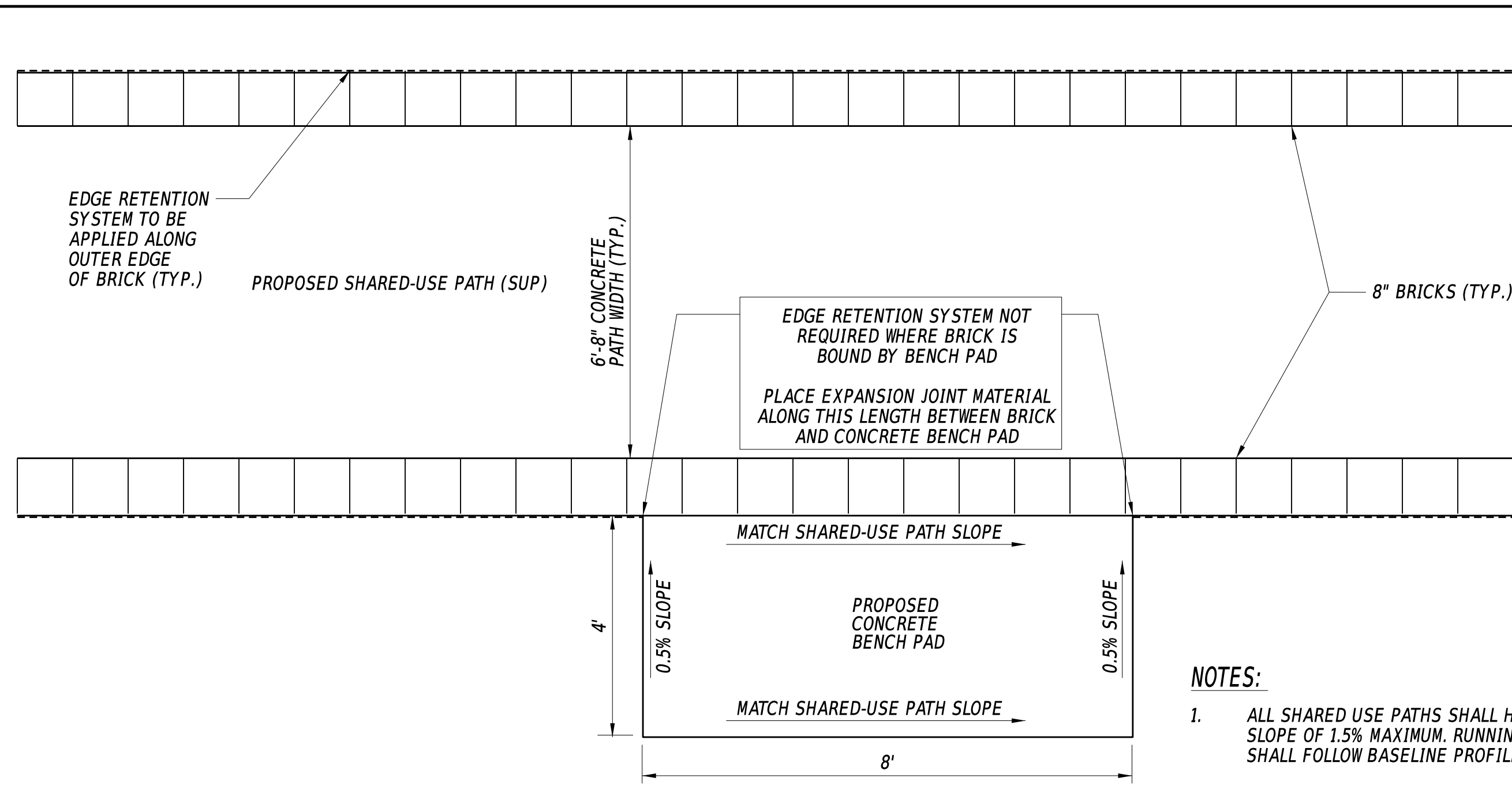
PLAN VIEW - NTS
DETAIL A

EAST FRONT STREET



EAST FRONT STREET CURB RAMP

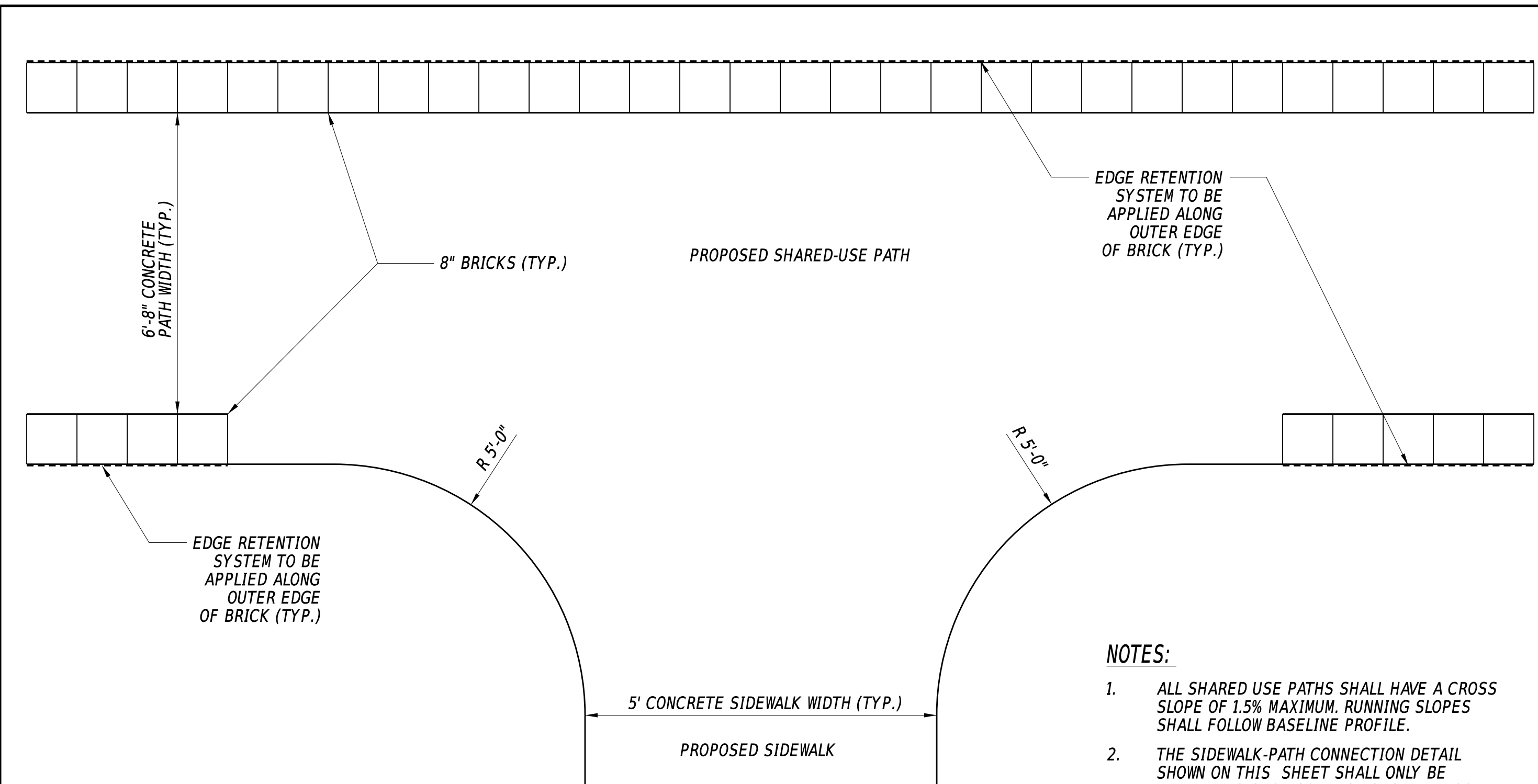
PLAN VIEW - NTS
DETAIL B



CONCRETE BENCH PAD (TYP.)

PLAN VIEW - NTS
DETAIL C

- NOTES:**
1. ALL SHARED USE PATHS SHALL HAVE A CROSS SLOPE OF 1.5% MAXIMUM. RUNNING SLOPES SHALL FOLLOW BASELINE PROFILE.
 2. PROPOSED CONCRETE BEND PADS ARE 6" PORTLAND CEMENT CONCRETE OVER 6" GABC.



SIDEWALK-PATH CONNECTION (TYP.)

PLAN VIEW - NTS
DETAIL D

- NOTES:**
1. ALL SHARED USE PATHS SHALL HAVE A CROSS SLOPE OF 1.5% MAXIMUM. RUNNING SLOPES SHALL FOLLOW BASELINE PROFILE.
 2. THE SIDEWALK-PATH CONNECTION DETAIL SHOWN ON THIS SHEET SHALL ONLY BE APPLIED TO SUCH CONNECTIONS IN JANOSIK PARK.

ADDENDA / REVISIONS

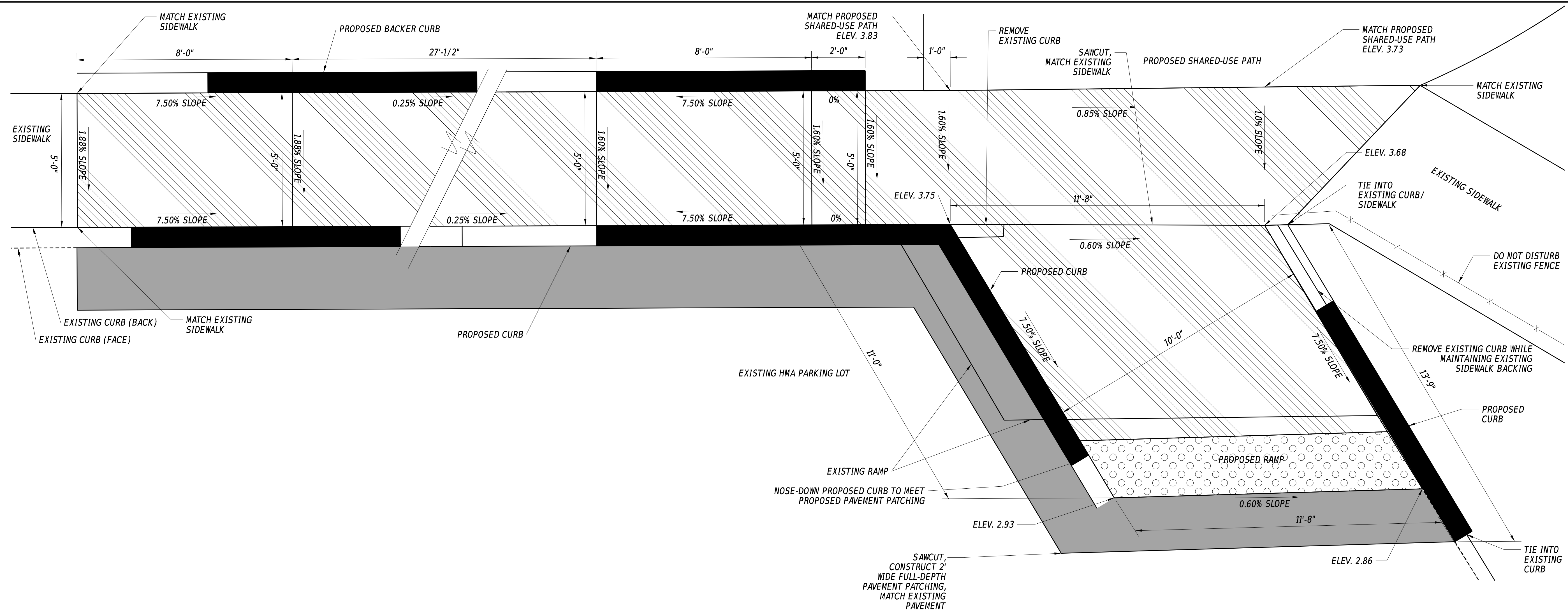
NOT TO SCALE

LAUREL RAMBLE PHASE II

CONTRACT	BRIDGE NO.	N/A
T202120006	DESIGNED BY:	A. REASS
COUNTY	CHECKED BY:	S. MCEVILLY
SUSSEX		

CONSTRUCTION DETAILS

SECTION
ROSSI
SHEET NO.
17



JANOSIK PARK - PARKING LOT RAMP DETAIL

PLAN VIEW - NTS
DETAIL E

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ADDENDA / REVISIONS		NOT TO SCALE	LAUREL RAMBLE PHASE II	CONTRACT	BRIDGE NO.	N/A	CONSTRUCTION DETAILS	SECTION
				T202120006	DESIGNED BY:	A. REASS		ROSSI
				COUNTY	CHECKED BY:	S. MCEVILLY		SHEET NO.
				SUSSEX				18

ENVIRONMENTAL COMPLIANCE NOTES

1. GENERAL NOTES:

- A. THE PURPOSE OF THIS SHEET IS TO IDENTIFY THOSE ITEMS ASSOCIATED WITH ENVIRONMENTAL COMPLIANCE. IMPACT CALCULATIONS ARE FOR THE AGENCY PERMIT REPORTING PURPOSES ONLY AND ARE NOT TO BE USED FOR BIDDING PURPOSES.
- B. IF A DEPARTURE FROM THE APPROVED PLANS (WHICH WOULD AFFECT ANY NATURAL AND/OR CULTURAL RESOURCES) IS NECESSARY, CONTACT THE ENVIRONMENTAL STUDIES SECTION AT (302-760-2264 OR DOT_ENVIRONMENTALSTUDIES@DELAWARE.GOV) TO ALLOW FOR COORDINATION WITH THE APPROPRIATE RESOURCE AGENCIES AND APPROVAL.
- C. USE OF THIS SHEET DOES NOT ALLEVIATE THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH ALL CONDITIONS SET FORTH IN THE ENVIRONMENTAL STATEMENT AND PERMITS.

2. CULTURAL RESOURCE ISSUES:

- A. JANOSIK PARK IS WITHIN THE NATIONAL REGISTER OF HISTORIC PLACES LAUREL HISTORIC DISTRICT AND A 4(f) PROPERTY. CONTRACTOR ACCESS BEYOND THE LOC (AS IDENTIFIED ON THE CONSTRUCTION PLANS) IS PROHIBITED. CONSTRUCTION SAFETY FENCE MUST BE INSTALLED ALONG THE LOC PRIOR TO CONSTRUCTION. SHOULD IT BE NECESSARY TO ADD ADDITIONAL ACCESS LOCATIONS OR STAGING/STOCKPILING AREAS, OR OTHERWISE MODIFY THE PROJECT SCOPE, METHODS, OR LOC, DELDOT ENVIRONMENTAL STUDIES STAFF (DOT_ENVIRONMENTALSTUDIES@DELAWARE.GOV AND JOHN.W.MARTIN@DELAWARE.GOV, (302) 760-2189) MUST BE CONTACTED.

3. PLANTING GUIDANCE, WORK DONE BY DELDOT:

PLANTING SHALL FOLLOW THE SPECIES AND LOCATIONS AS SHOWN ON THE CONTRACT DOCUMENTS. TREES REMOVED BY THE CONTRACTOR SHALL BE REPLACED BY THE TOWN OF LAUREL/LAUREL REDEVELOPMENT CORPORATION. UPON ACCEPTANCE OF THE CONTRACT, MAINTENANCE OF ALL LANDSCAPING SHALL BE THE RESPONSIBILITY OF THE TOWN OF LAUREL/LAUREL REDEVELOPMENT CORPORATION.

4. NO WETLANDS EXIST WITHIN THE PROJECT LIMITS.

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ADDENDA / REVISIONS		LAUREL RAMBLE PHASE II	CONTRACT	BRIDGE NO.	N/A	SECTION
			T202120006	DESIGNED BY:	A. REASS	ROSSI
			COUNTY	CHECKED BY:	S. MCEVILLY	SHEET NO.
			SUSSEX			19
ENVIRONMENTAL COMPLIANCE NOTES						

GENERAL MOT NOTES

1. MAINTENANCE OF TRAFFIC DURING PATH CONSTRUCTION AND PAVEMENT MARKING APPLICATION SHALL CONFORM TO TA-3, TA-10, TA-28 AND TA-29 OF THE DEMUTCD.
2. AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED TRAFFIC CONTROL SUPERVISOR REQUIREMENT FOR THIS PROJECT.

(X)	THE CONTRACTOR SHALL NOT BE REQUIRED TO HAVE AN ATSSA SUPERVISOR ASSIGNED TO THIS PROJECT.
()	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.

3. 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, POT HOLE 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 UNRAVELLING:

- A. DRIVEWAYS
- B. ENTRANCES
- C. LOW VOLUME ACCESS RAMPS (IDENTIFIED IN THE CONTRACT DOCUMENTS)
- D. EDGE DROP-OFFS ADJACENT TO LIVE ROADWAY (LANES AND SHOULDER) AND THE PROPOSED ROAD CONSTRUCTION
- E. EDGE OF ROADWAY DROP-OFF

GRADING AND MAINTAINING BASE COURSE THAT IS BEING USED FOR ROADWAY WEDGE/FILLET BETWEEN TRAVEL LANES AND PAVEMENT BOX, EDGE OF TRAVELWAY, DRIVEWAY OR ENTRANCE ACCESS SHALL BE INCIDENTAL TO ITEM NO. 801000 - MAINTENANCE OF TRAFFIC. THE BASE COURSE MATERIAL SHALL BE PLACED AT NO GREATER THAN THE SLOPE SPECIFIED IN TABLE 6G-1 AND SHALL BE COMPACTED. EXCESS BASE COURSE MATERIAL SHALL BE PUSHED AHEAD AND USED IN THE NEXT SEGMENT AND SHALL BE INCIDENTAL TO THE PARTICULAR BASE COURSE PAY ITEM. NO SEPARATE PAYMENT SHALL BE MADE FOR MILLINGS OR GABC TEMPORARY ROADWAY MATERIAL (TRM) USED TO PROTECT EDGE DROP-OFFS, UNLESS THE MATERIAL IS EVENTUALLY UTILIZED AS PART OF A PERMANENT ROADWAY AT WHICH TIME THE MATERIAL WOULD BE PAID FOR UNDER THE RESPECTIVE CONTRACT MATERIAL ITEM.

VERTICAL DIFFERENCES SHALL BE CORRECTED IN ACCORDANCE WITH TABLE 6G-1 OF THE DELAWARE MUTCD.

4. MAINTAIN ACCESS TO RESIDENCES AND BUSINESSES AT ALL TIMES AND COORDINATE CONSTRUCTION WITH PROPERTY OWNERS AND DELDOT CONSTRUCTION. CONTRACTOR SHALL NOTIFY RESIDENTS TWO DAYS IN ADVANCE WHEN PARKING OR ACCESS IN FRONT OF THEIR PROPERTY WILL BE RESTRICTED.
5. THE CONTRACTOR SHALL COORDINATE PLACEMENT OF WARNING SIGNS WITH THE ENGINEER TO ENSURE THAT SIGNS ARE PLACED IN THE APPROPRIATE LOCATION. TEMPORARY TRAFFIC CONTROL DEVICES, INCLUDING SIGNS, SHALL NOT OBSTRUCT THE SIDEWALK/PATH UNLESS SPECIFIED ON THE CONSTRUCTION PHASING OR DETOUR PLANS.
6. 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.
7. THE CONTRACTOR IS PERMITTED TO PERFORM WORK FOR BOTH PHASE 1 AND PHASE 2 SIMULTANEOUSLY.
8. SHOULD PHASE 1 NOT BE COMPLETED BEFORE JULY 4, 2025, THE CONTRACTOR, AT THE DIRECTION OF THE ENGINEER SHALL PERFORM CLEANUP AND PREPARATIONS OF THE PHASE 1 WORK ZONE TO BE SAFE FOR PUBLIC USAGE FROM JULY 3 THROUGH JULY 6, 2025. COST FOR THIS WORK SHALL BE INCIDENTAL TO ITEM 211000 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS.
9. ALLOWABLE LANE CLOSURE SCHEDULE:

ALLOWABLE LANE CLOSURE HOURS: DELAWARE AVENUE AND E. FRONT STREET

	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																								

LANE CLOSED LANE OPEN

GENERAL EROSION AND SEDIMENT CONTROL NOTES:

1. THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) HAS BEEN APPROVED BY DELDOT'S STORMWATER ENGINEER UNDER DELDOT'S DELEGATED AUTHORITY. PLAN APPROVAL IS VALID FOR A 1 YEAR PERIOD BEGINNING ON THE DATE OF THE STORMWATER ENGINEER'S SIGNATURE (FOR A STANDARD PLAN). ANY DEVIATIONS TO THE SWPPP NEED APPROVAL FROM THE ENGINEER.

<i>Steven Sisson</i>	10/22/2024
DELDOT STORMWATER ENGINEER	DATE
I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE THESE PLANS MEET THE REQUIREMENTS OF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS.	

AMOUNT OF DISTURBED AREA FOR THE PROJECT	0.55 AC
ADDED IMPERVIOUS FOR THE PROJECT	1,307 SF
HUC-10 WATERSHED	BROAD CREEK (0208010902)

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. 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.
5. 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.
6. 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.
7. 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 EGS PRACTICES OR OTHER METHODS AS APPROVED BY THE ENGINEER.
8. 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.
9. 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.

PEDESTRIAN M.O.T. NOTES

1. PEDESTRIAN ACCESS SHALL BE MAINTAINED FOLLOWING PEDESTRIAN DETOUR SHOWN ON THE PEDESTRIAN DETOUR PLANS FOR EACH STAGE OF CONSTRUCTION PRIOR TO CLOSURE OF ANY SIDEWALK, PEDESTRIAN M.O.T. MUST BE APPROVED BY THE ENGINEER.

CONSTRUCTION PHASING & M.O.T	
	BARRICADE, TYPE 3
	CONSTRUCTION WARNING SIGN LOCATION
	CONSTRUCTION WARNING SIGN
	DRUM - TRAFFIC CONTROL
	FLAGGER LOCATION
	PHASING TRAFFIC FLOW ARROW
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TRUCK WITH MOUNTED ATTENUATOR
	WORK AREA - ACTIVE PHASE

EROSION & SEDIMENT CONTROL	
	INLET SEDIMENT CONTROL
	SILT FENCE
	TEMPORARY CONSTRUCTION FENCE

WARNING SIGN LEGEND

W20-1
48" X 48"
①

G20-2A
48" X 24"
②

PCMS - PRIOR TO CONSTRUCTION
(10 DAYS PRIOR TO START OF CONSTRUCTION)

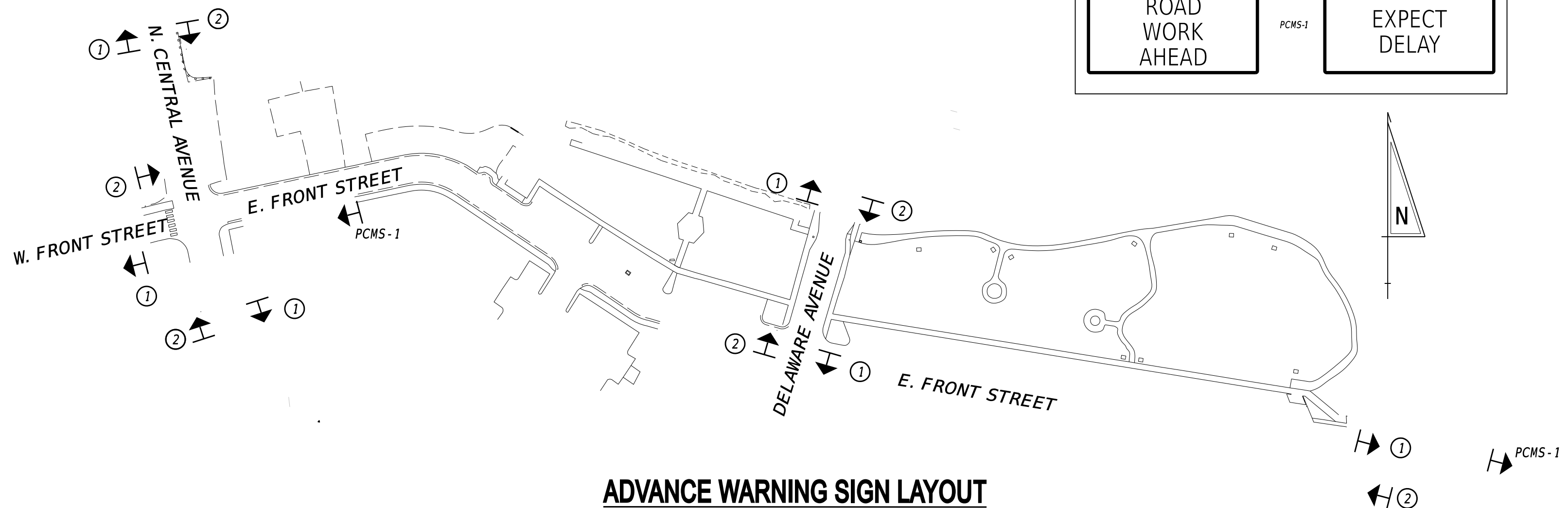
ROAD WORK STARTING

XX/XX/XX
EXPECT DELAYS

PCMS - AFTER THE START OF CONSTRUCTION
(5 DAYS AFTER CONSTRUCTION BEGINS)

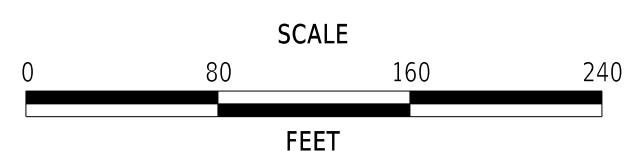
ROAD WORK AHEAD

EXPECT DELAY



ADVANCE WARNING SIGN LAYOUT

ADDENDA / REVISIONS



LAUREL RAMBLE PHASE II

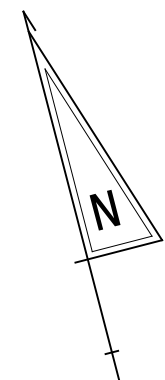
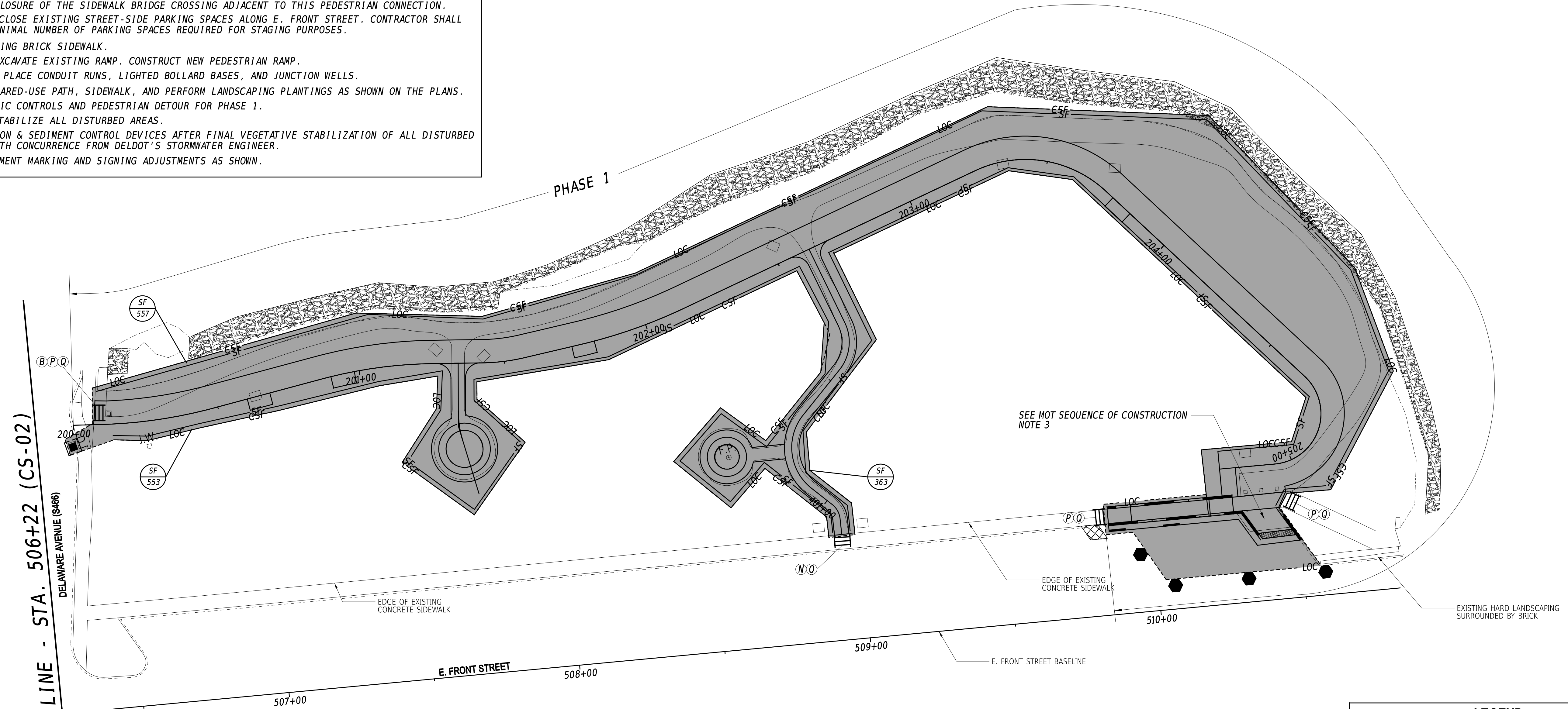
CONTRACT	BRIDGE NO.	N/A
T202120006	DESIGNED BY:	A. REASS
COUNTY	CHECKED BY:	S. MCEVILLY
SUSSEX		

**CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL NOTES**

SECTION
ROSSI
SHEET NO.
20

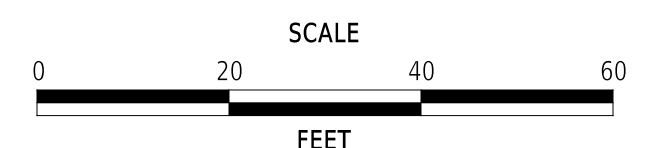
SEQUENCE OF CONSTRUCTION - PHASE 1

1. INSTALL TRAFFIC CONTROL AND EROSION & SEDIMENT CONTROL DEVICES.
2. INSTALL PEDESTRIAN DETOUR FOR PHASE 1 AS SEEN IN TA-29 ALONG THE EXISTING SIDEWALK. INSTALL TYPE-111 BARRICADES WITH "TRAIL CLOSED" SIGNS AT EACH PATH TERMINUS.
3. INSTALL PEDESTRIAN DETOUR FOR PHASE 1 AS SEEN IN TA-29 FOR EXISTING RAMP RECONSTRUCTION. INSTALL TYPE-111 BARRICADES WITH "SIDEWALK CLOSED" SIGN. CONSTRUCT NEW PEDESTRIAN CONNECTION AS SOON AS POSSIBLE TO ALLOW PEDESTRIAN MOVEMENT TO TEMPORARY PEDESTRIAN CONNECTION AND LIMIT FULL CLOSURE OF THE SIDEWALK BRIDGE CROSSING ADJACENT TO THIS PEDESTRIAN CONNECTION.
4. USE TA-3 TO CLOSE EXISTING STREET-SIDE PARKING SPACES ALONG E. FRONT STREET. CONTRACTOR SHALL CLOSE THE MINIMAL NUMBER OF PARKING SPACES REQUIRED FOR STAGING PURPOSES.
5. REMOVE EXISTING BRICK SIDEWALK.
6. SAWCUT AND EXCAVATE EXISTING RAMP. CONSTRUCT NEW PEDESTRIAN RAMP.
7. EXCAVATE AND PLACE CONDUIT RUNS, LIGHTED BOLLARD BASES, AND JUNCTION WELLS.
8. CONSTRUCT SHARED-USE PATH, SIDEWALK, AND PERFORM LANDSCAPING PLANTINGS AS SHOWN ON THE PLANS.
9. REMOVE TRAFFIC CONTROLS AND PEDESTRIAN DETOUR FOR PHASE 1.
10. ADEQUATELY STABILIZE ALL DISTURBED AREAS.
11. REMOVE EROSION & SEDIMENT CONTROL DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH CONCURRENCE FROM DELDOT'S STORMWATER ENGINEER.
12. PERFORM PAVEMENT MARKING AND SIGNING ADJUSTMENTS AS SHOWN.



LEGEND	
	DRUM - TRAFFIC CONTROL
	FLAGGER LOCATION
	TEMPORARY PEDESTRIAN CONNECTION
	WORK AREA - ACTIVE PHASE
	C
	B
	N
	P
	Q

ADDENDA / REVISIONS



LAUREL RAMBLE PHASE II

CONTRACT	T202120006	BRIDGE NO.	N/A
COUNTY	SUSSEX	DESIGNED BY:	A. REASS
		CHECKED BY:	S. MCEVILLY

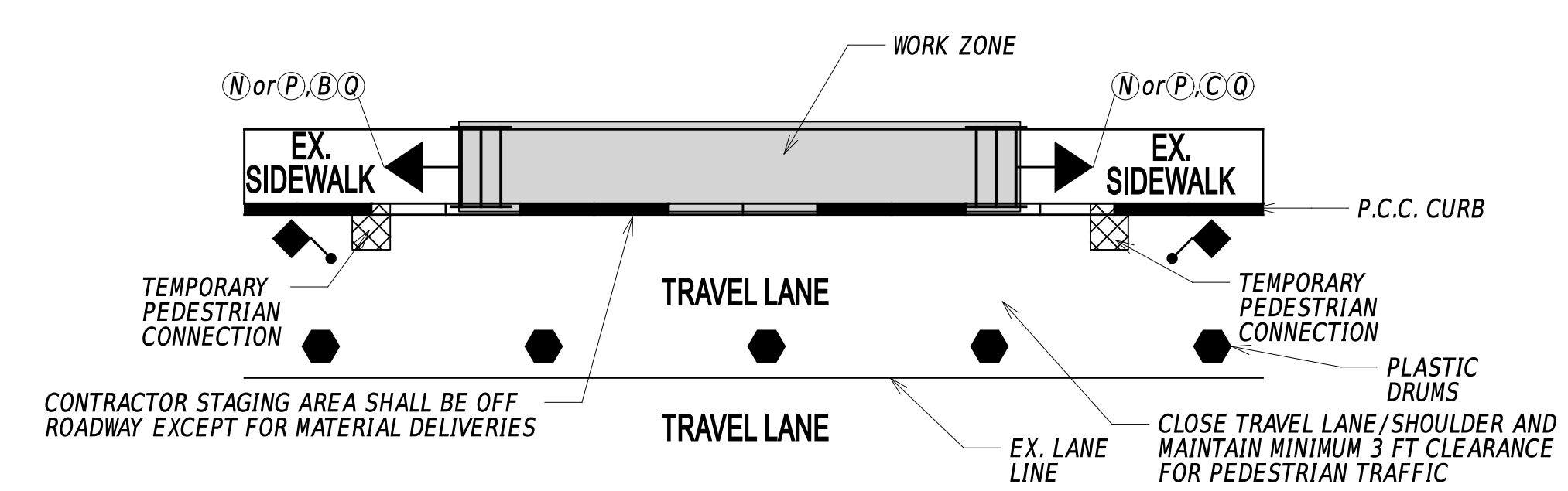
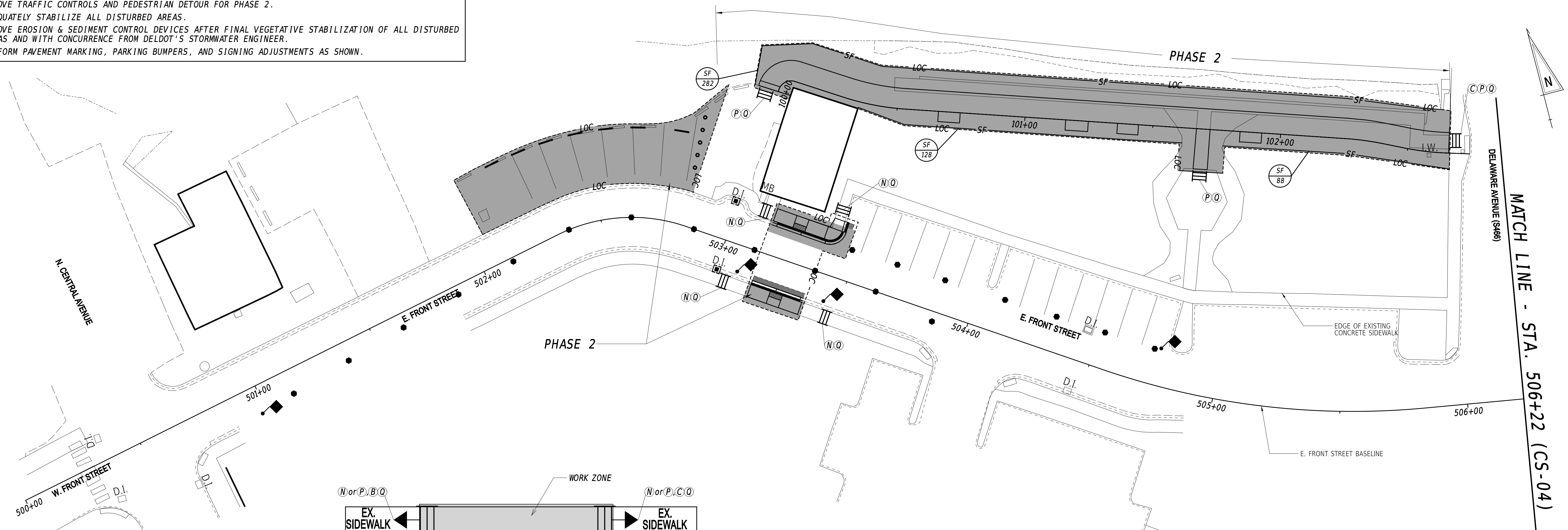
CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL NOTES

SECTION	ROSSI
SHEET NO.	21

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SEQUENCE OF CONSTRUCTION - PHASE 2

1. INSTALL TRAFFIC CONTROL AND EROSION & SEDIMENT CONTROL DEVICES.
2. INSTALL PEDESTRIAN DETOUR FOR PHASE 2 PER TA-29 ALONG EXISTING SIDEWALK AND PROPOSED PATH. INSTALL TYPE-III BARRICADES WITH "TRAIL CLOSED" SIGNS AT EACH PATH TERMINUS.
3. USE TA-3 TO CLOSE EXISTING STREET-SIDE PARKING SPACES ALONG E. FRONT STREET. CONTRACTOR SHALL CLOSE THE MINIMUM NUMBER OF PARKING SPACES REQUIRED FOR STAGING PURPOSES.
4. REMOVE EXISTING BRICK SIDEWALK.
5. EXCAVATE AND PLACE CONDUIT RUNS, LIGHTED BOLLARD BASES, AND JUNCTION WELLS.
6. USE TA-10 TO CONSTRUCT BOTH PEDESTRIAN CONNECTIONS ALONG E. FRONT STREET. ONE PEDESTRIAN CONNECTION SHALL BE CONSTRUCTED AT A TIME. PEDESTRIANS SHALL ADHERE TO TA-29 AND SUBSEQUENT PEDESTRIAN DETOUR DETAIL, SHOWN BELOW.
7. SAWCUT AND EXCAVATE EXISTING SIDEWALK. CONSTRUCT NEW PEDESTRIAN CONNECTIONS AS SHOWN.
8. CONSTRUCT SHARED-USE PATH AND PERFORM LANDSCAPING PLANTINGS AS SHOWN ON THE PLANS.
9. REMOVE TRAFFIC CONTROLS AND PEDESTRIAN DETOUR FOR PHASE 2.
10. ADEQUATELY STABILIZE ALL DISTURBED AREAS.
11. REMOVE EROSION & SEDIMENT CONTROL DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH CONCURRENCE FROM DELDOT'S STORMWATER ENGINEER.
12. PERFORM PAVEMENT MARKING, PARKING BUMPERS, AND SIGNING ADJUSTMENTS AS SHOWN.

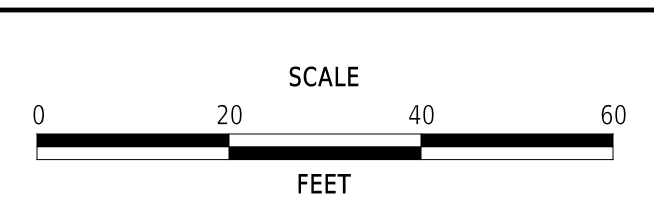


TYPICAL PEDESTRIAN DETOUR DETAIL
NOT TO SCALE

1. DURING SIDEWALK CLOSURES THE CONTRACTOR SHALL PROVIDE FLAGGERS EXCLUSIVELY FOR PEDESTRIAN MOT DURING CONSTRUCTION. SIDEWALK CLOSURES ONLY INCLUDE DURATIONS OF ACTIVE SIDEWALK RECONSTRUCTION. NO SIDEWALKS SHALL REMAIN CLOSED OVERNIGHT OR OUTSIDE OF WORKING/FLAGGING HOURS.
2. A 1' SHY DISTANCE SHALL EXIST BETWEEN THE EDGE OF TRAVEL LANE AND EDGE OF TRAFFIC DRUM, AS SEEN ABOVE.
3. THE CONTRACTOR SHALL PROVIDE A TEMPORARY PEDESTRIAN CONNECTIONS AT EACH END OF THE WORK ZONE. EACH PEDESTRIAN CONNECTION SHALL BE PLACED TO AVOID CONFLICT WITH EXISTING DRIVEWAYS AND INLETS. THE PEDESTRIAN CONNECTION WIDTH SHALL BE A MINIMUM OF 4' WIDE AND BE MADE OF AN ACCEPTABLE MATERIAL FOR TEMPORARY PEDESTRIAN PATHS. TEMPORARY PEDESTRIAN CONNECTIONS SHALL BE PAID FOR UNDER ITEM 705528.

LEGEND	
	DRUM - TRAFFIC CONTROL
	FLAGGER LOCATION
	TEMPORARY PEDESTRIAN CONNECTION
	WORK AREA - ACTIVE PHASE
	C
	B
	N
	P
	Q

ADDENDA / REVISIONS



LAUREL RAMBLE PHASE II

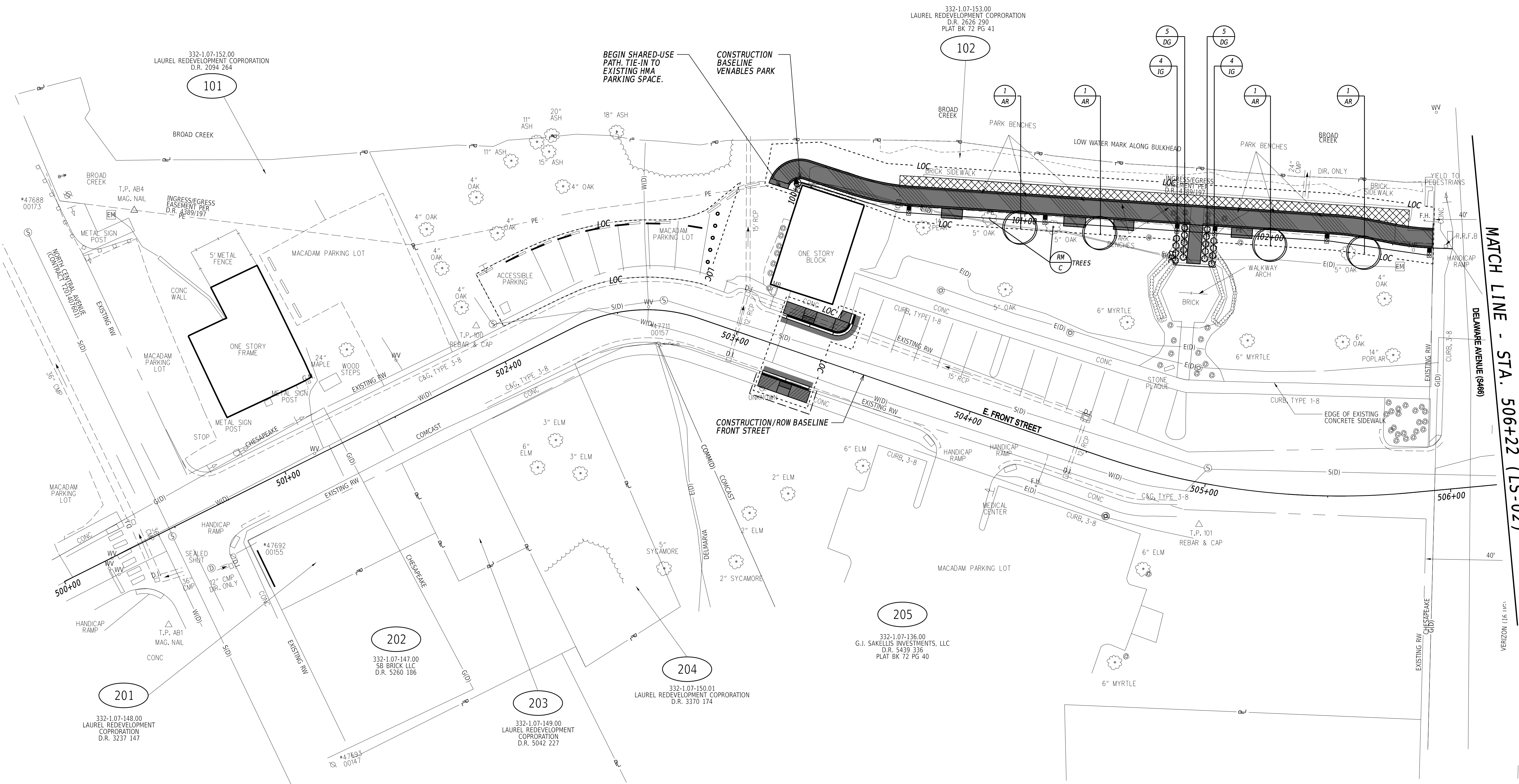
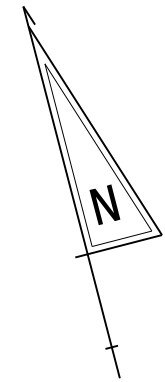
CONTRACT	T202120006	BRIDGE NO.	N/A
COUNTY	SUSSEX	DESIGNED BY:	A. REASS
		CHECKED BY:	S. MCEVILLY

**CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL NOTES**

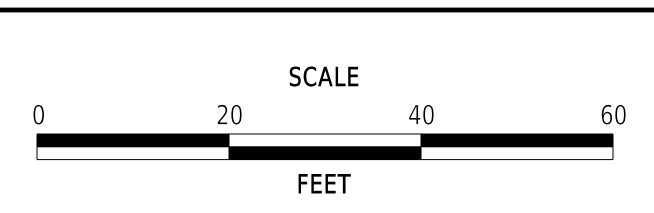
SECTION	ROSSI
SHEET NO.	22

LANDSCAPE PLANTING SCHEDULE						
ID	QTY	BOTANICAL NAME	COMMON NAME	SIZE	METHOD	COMMENTS
AR	4	ACER X FREEMANII 'ARMSTRONG'	ARMSTRONG FREEMAN MAPLE	2" CALIPER	B&B	AS SHOWN
DG	10	DEUTZIA GRACILIS 'NIKKO'	NIKKO SLENDER DEUTZIA	1.5' SPREAD	CONT.	3' O.C.
IG	8	ILEX GLABRA 'NIGRA'	NIGRA INKBERRY HOLLY	2' HEIGHT	CONT.	3' O.C.

LANDSCAPE LEGEND	
	PROPOSED DECIDUOUS TREE
	PROPOSED SHRUB



ADDENDA / REVISIONS



LAUREL RAMBLE PHASE II

CONTRACT	BRIDGE NO.	N/A
T202120006	DESIGNED BY:	A. REASS
COUNTY	CHECKED BY:	S. MCEVILLY
SUSSEX		

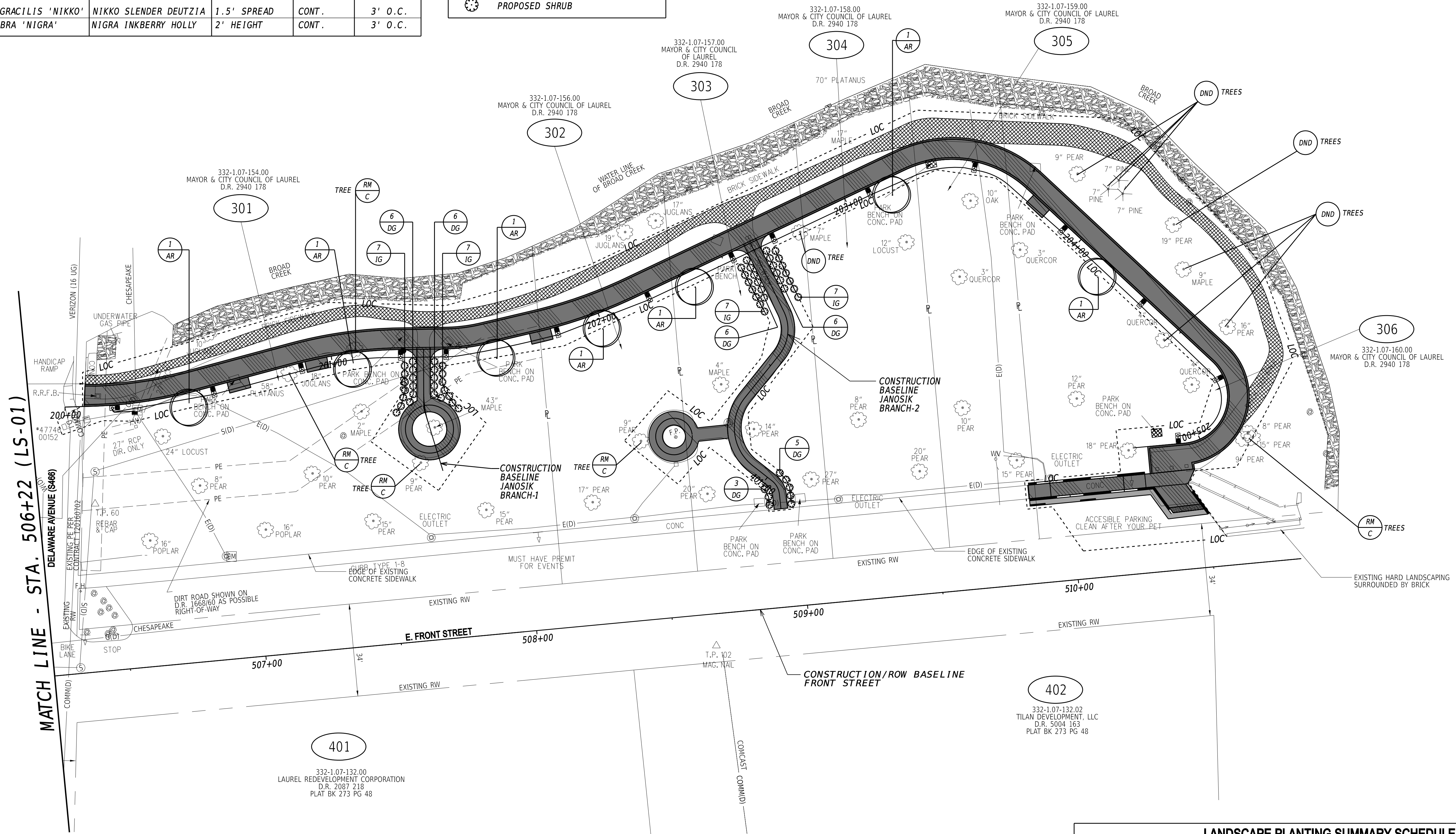
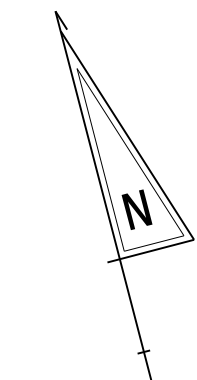
LANDSCAPING PLAN

SECTION
ROSSI
SHEET NO.
23

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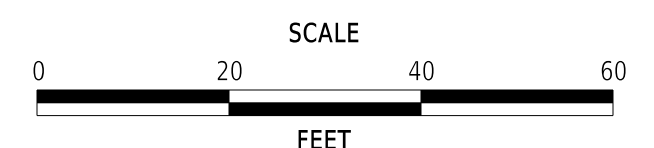
LANDSCAPE PLANTING SCHEDULE						
ID	QTY	BOTANICAL NAME	COMMON NAME	SIZE	METHOD	COMMENTS
AR	7	ACER X FREEMANII 'ARMSTRONG'	ARMSTRONG FREEMAN MAPLE	2" CALIPER	B&B	AS SHOWN
DG	32	DEUTZIA GRACILIS 'NIKKO'	NIKKO SLENDER DEUTZIA	1.5' SPREAD	CONT.	3' O.C.
IG	28	ILEX GLABRA 'NIGRA'	NIGRA INKBERRY HOLLY	2' HEIGHT	CONT.	3' O.C.

LANDSCAPE LEGEND	
	PROPOSED DECIDUOUS TREE
	PROPOSED SHRUB



LANDSCAPE PLANTING SUMMARY SCHEDULE						
ID	QTY	BOTANICAL NAME	COMMON NAME	SIZE	METHOD	COMMENTS
AR	11	ACER X FREEMANII 'ARMSTRONG'	ARMSTRONG FREEMAN MAPLE	2" CALIPER	B&B	AS SHOWN
DG	42	DEUTZIA GRACILIS 'NIKKO'	NIKKO SLENDER DEUTZIA	1.5' SPREAD	CONT.	3' O.C.
IG	36	ILEX GLABRA 'NIGRA'	NIGRA INKBERRY HOLLY	2' HEIGHT	CONT.	3' O.C.

ADDENDA / REVISIONS



LAUREL RAMBLE PHASE II

CONTRACT	T202120006	BRIDGE NO.	N/A
COUNTY	SUSSEX	DESIGNED BY:	A. REASS
		CHECKED BY:	S. MCEVILLY

LANDSCAPING PLAN

SECTION	ROSSI
SHEET NO.	24

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NOTES:

- CONTRACTOR SHALL POUR THE PROPOSED LIGHT POLE BASES SO THAT THE TOP OF THE BASE IS LEVEL.
- 120/240 V ELECTRIC SERVICE TO BE OBTAINED FROM: SERVICE LOCATION 1 AT STATION 100+12.
- THE CONTRACTOR SHALL INSTALL LIGHTING CONDUIT AND LIGHT POLE BASES, INCLUDING ANCHOR BOLTS. THE CONTRACTOR SHALL RUN ALL WIRING AND INSTALL LIGHT BOLLARDS.
- THE CONTRACTOR SHALL INSTALL (1) 15-AMP BREAKER IN THE EXISTING BREAKER CABINET (SERVICE LOCATION 1). ALL COSTS TO PROVIDE AND INSTALL THE BREAKER IS INCIDENTAL TO THE WIRE BEING INSTALLED, PAID UNDER ITEM 832029.
- THE CONTRACTOR SHALL RUN THE CONDUIT TO THE ELECTRICAL HANDHOLES FROM BREAKER CABINET, SL1 AND SL2.
- CONDUIT SHALL BE INSTALLED AT A MINIMUM DEPTH OF 24" AND BE FIELD ADJUSTED TO AVOID IMPACTS TO EXISTING UTILITIES. ALL COSTS INCIDENTAL TO THE ITEMS BEING INSTALLED.
- THE TOWN OF LAUREL AND LAUREL REDEVELOPMENT CORPORATION (LRC) HAVE DESIGNATED A SPECIFIC MAKE AND MODEL OF LIGHT POLE BELOW TO BE USED FOR THIS PROJECT. AN ACCEPTABLE SUBSTITUTE MAY BE USED AS APPROVED BY THE TOWN OF LAUREL AND LRC.

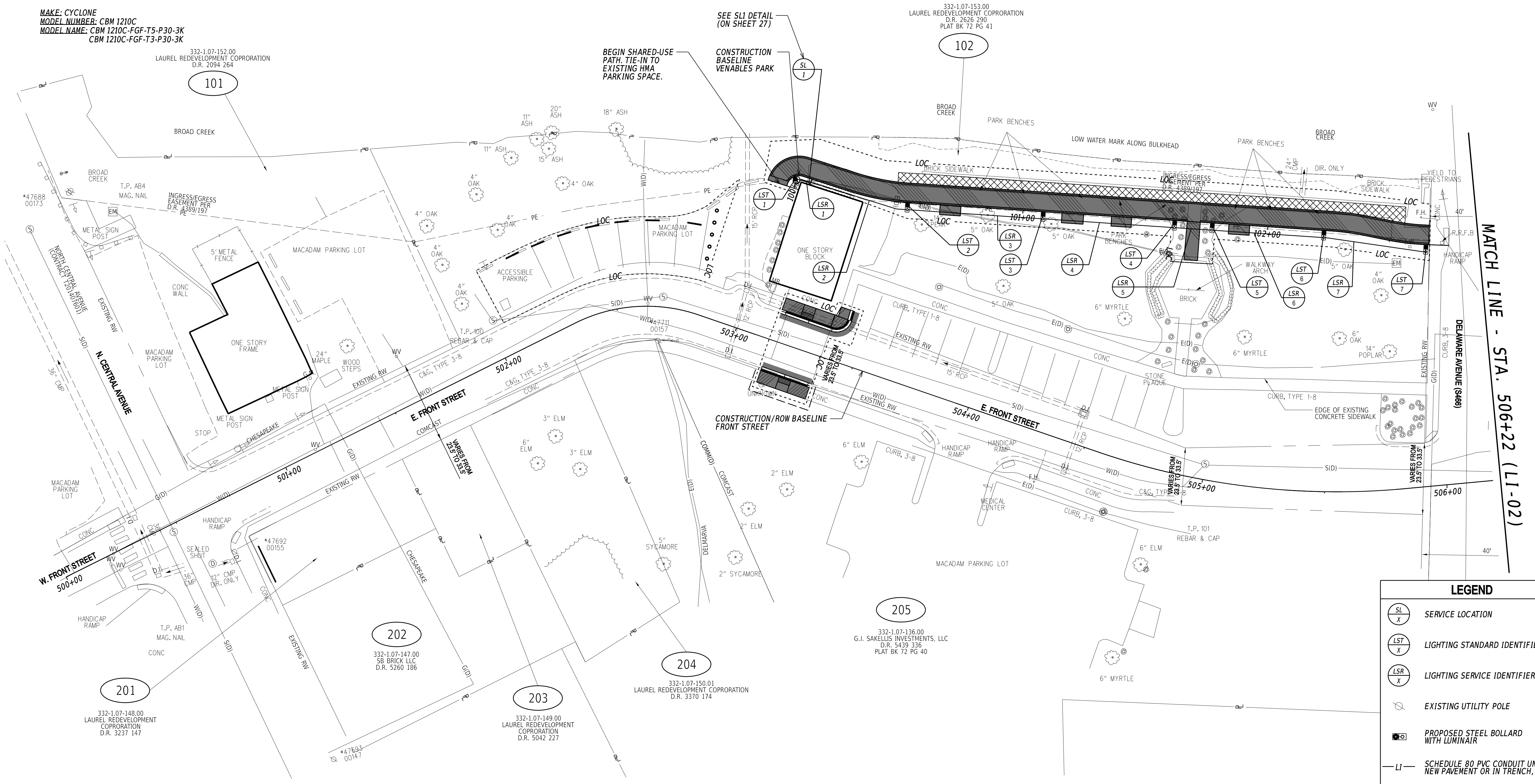
MAKE: CYCLONE
MODEL NUMBER: CBM 1210C
MODEL NAME: CBM 1210C-FGF-T5-P30-3K
CBM 1210C-FGF-T3-P30-3K

LIGHTING SERVICE SCHEDULE			
SERVICE RUN	LENGTH	INSTALL METHOD	DESCRIPTION
1	8'	T	RGS, 2"
2	50'	T	SCHEDULE PVC 80, 2"
3	52'	T	SCHEDULE PVC 80, 2"
4	53'	T	SCHEDULE PVC 80, 2"
5	16'	T	SCHEDULE PVC 80, 2"
6	45'	T	SCHEDULE PVC 80, 2"
7	42'	T	SCHEDULE PVC 80, 2"

* DENOTES EXISTING SERVICE RUN.
 INSTALL METHODS: B=BORE, 1B=1N BARRIER, OC=OPEN CUT, OS=ON STRUCTURE, T=TRENCH

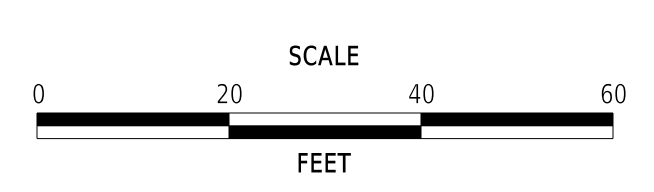
LIGHTING STANDARD SCHEDULE			
NO.	STATION	OFFSET	* BOLLARD LIGHT DISTRIBUTION TYPE
1	100+05.26	1.11'	T3
2	100+52.87	1.06'	T3
3	101+08.31	1.10'	T3
4	101+62.03	1.08'	T5
5	101+77.41	1.08'	T5
6	102+23.02	1.06'	T3
7	102+64.99	1.08'	T3

* BOLLARD LIGHT DISTRIBUTION TYPE IS INDICATED IN THE BOLLARD MODEL NAME. BOLLARD INSTALLATION ORIENTATION IS INDICATED ON THE BOLLARD.



LEGEND	
(SL) X	SERVICE LOCATION
(LST) X	LIGHTING STANDARD IDENTIFIER
(LSR) X	LIGHTING SERVICE IDENTIFIER
(Symbol)	EXISTING UTILITY POLE
(Symbol)	PROPOSED STEEL BOLLARD WITH LUMINAIR
(LI)	SCHEDULE 80 PVC CONDUIT UNDER NEW PAVEMENT OR IN TRENCH, 2"

ADDENDA / REVISIONS



LAUREL RAMBLE PHASE II

CONTRACT	BRIDGE NO.	N/A
T202120006	DESIGNED BY:	A. REASS
COUNTY	CHECKED BY:	S. MCEVILLY
SUSSEX		

LIGHTING PLAN

SECTION	ROSSI
SHEET NO.	25

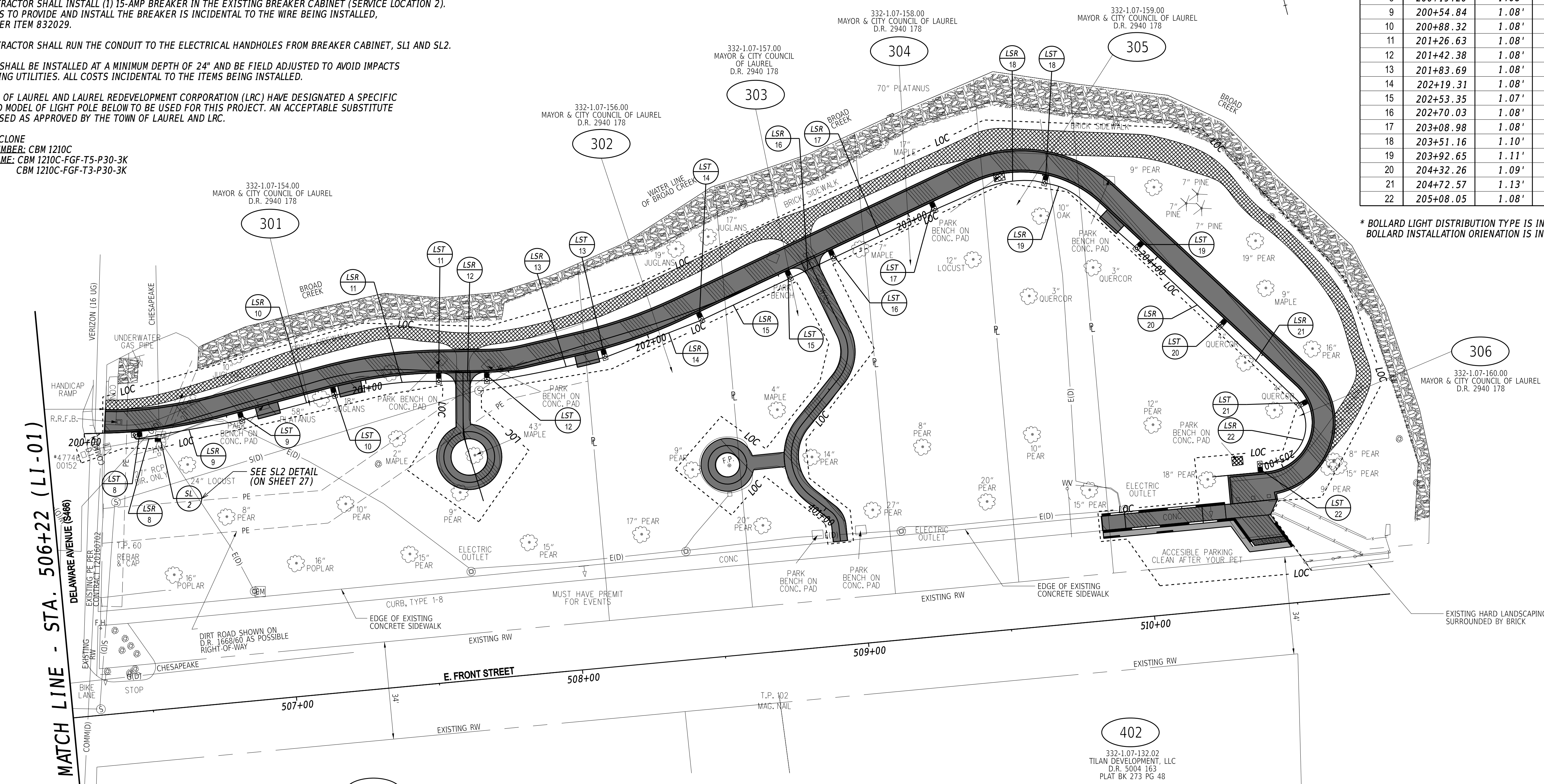
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NOTES:

- CONTRACTOR SHALL POUR THE PROPOSED LIGHT POLE BASES SO THAT THE TOP OF THE BASE IS LEVEL
- 120/240 V ELECTRIC SERVICE TO BE OBTAINED FROM: SERVICE LOCATION 2 AT STATION 200+15.
- THE CONTRACTOR SHALL INSTALL LIGHTING CONDUIT AND LIGHT POLE BASES, INCLUDING ANCHOR BOLTS. THE CONTRACTOR SHALL RUN ALL WIRING AND INSTALL LIGHT BOLLARDS.
- THE CONTRACTOR SHALL INSTALL (1) 15-AMP BREAKER IN THE EXISTING BREAKER CABINET (SERVICE LOCATION 2). ALL COSTS TO PROVIDE AND INSTALL THE BREAKER IS INCIDENTAL TO THE WIRE BEING INSTALLED, PAID UNDER ITEM 832029.
- THE CONTRACTOR SHALL RUN THE CONDUIT TO THE ELECTRICAL HANDHOLES FROM BREAKER CABINET, SL1 AND SL2.
- CONDUIT SHALL BE INSTALLED AT A MINIMUM DEPTH OF 24" AND BE FIELD ADJUSTED TO AVOID IMPACTS TO EXISTING UTILITIES. ALL COSTS INCIDENTAL TO THE ITEMS BEING INSTALLED.
- THE TOWN OF LAUREL AND LAUREL REDEVELOPMENT CORPORATION (LRC) HAVE DESIGNATED A SPECIFIC MAKE AND MODEL OF LIGHT POLE BELOW TO BE USED FOR THIS PROJECT. AN ACCEPTABLE SUBSTITUTE MAY BE USED AS APPROVED BY THE TOWN OF LAUREL AND LRC.
 MAKE: CYCLONE
 MODEL NUMBER: CBM 1210C
 MODEL NAME: CBM 1210C-FGF-T5-P30-3K
 CBM 1210C-FGF-T3-P30-3K
- LIGHTING STANDARD STATIONS AND OFFSETS ARE TO THE CENTER OF THE POLE BASE.
- CONDUIT SWEEPS SHALL BE 6' MINIMUM MANUFACTURER SWEEPS. CONDUIT SHALL NOT BE FIELD BENT.

LIGHTING STANDARD SCHEDULE			
NO.	STATION	OFFSET	* BOLLARD LIGHT DISTRIBUTION TYPE
8	200+19.20	1.08'	T3
9	200+54.84	1.08'	T3
10	200+88.32	1.08'	T3
11	201+26.63	1.08'	T5
12	201+42.38	1.08'	T5
13	201+83.69	1.08'	T3
14	202+19.31	1.08'	T3
15	202+53.35	1.07'	T5
16	202+70.03	1.08'	T5
17	203+08.98	1.08'	T3
18	203+51.16	1.10'	T3
19	203+92.65	1.11'	T3
20	204+32.26	1.09'	T3
21	204+72.57	1.13'	T3
22	205+08.05	1.08'	T3

* BOLLARD LIGHT DISTRIBUTION TYPE IS INDICATED IN THE BOLLARD MODEL NAME. BOLLARD INSTALLATION ORIENTATION IS INDICATED ON THE BOLLARD.



MATCH LINE - STA. 506+22 (LI-01)

401
332-1.07-132.00
LAUREL REDEVELOPMENT CORPORATION
D.R. 2087 218
PLAT BK 273 PG 48

402
332-1.07-132.02
TILAN DEVELOPMENT, LLC
D.R. 5004 163
PLAT BK 273 PG 48

LIGHTING SERVICE SCHEDULE			
SERVICE RUN	LENGTH	INSTALL METHOD	DESCRIPTION
8	10'	T	RGS, 2"
9	37'	T	SCHEDULE 80 PVC, 2"
10	35'	T	SCHEDULE 80 PVC, 2"
11	37'	T	SCHEDULE 80 PVC, 2"
12	18'	T	SCHEDULE 80 PVC, 2"
13	44'	T	SCHEDULE 80 PVC, 2"
14	38'	T	SCHEDULE 80 PVC, 2"
15	36'	T	SCHEDULE 80 PVC, 2"
16	16'	T	SCHEDULE 80 PVC, 2"
17	40'	T	SCHEDULE 80 PVC, 2"
18	40'	T	SCHEDULE 80 PVC, 2"

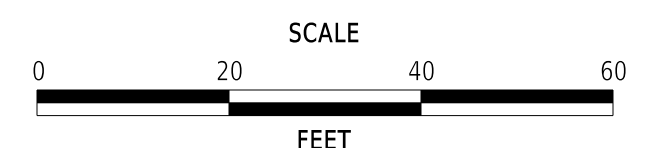
* DENOTES EXISTING SERVICE RUN.
INSTALL METHODS: B=BORE, IB=IN BARRIER, OC=OPEN CUT, OS=ON STRUCTURE, T=TRENCH

LIGHTING SERVICE SCHEDULE			
SERVICE RUN	LENGTH	INSTALL METHOD	DESCRIPTION
19	38'	T	SCHEDULE 80 PVC, 2"
20	39'	T	SCHEDULE 80 PVC, 2"
21	39'	T	SCHEDULE 80 PVC, 2"
22	32'	T	SCHEDULE 80 PVC, 2"

* DENOTES EXISTING SERVICE RUN.
INSTALL METHODS: B=BORE, IB=IN BARRIER, OC=OPEN CUT, OS=ON STRUCTURE, T=TRENCH

LEGEND	
	SERVICE LOCATION
	LIGHTING STANDARD IDENTIFIER
	LIGHTING SERVICE IDENTIFIER
	EXISTING UTILITY POLE
	PROPOSED STEEL BOLLARD WITH LUMINAIR
	SCHEDULE 80 PVC CONDUIT UNDER NEW PAVEMENT OR IN TRENCH, 2"

ADDENDA / REVISIONS



LAUREL RAMBLE PHASE II

CONTRACT	BRIDGE NO.	N/A
T202120006	DESIGNED BY:	A. REASS
COUNTY	CHECKED BY:	S. MCEVILLY
SUSSEX		

LIGHTING PLAN

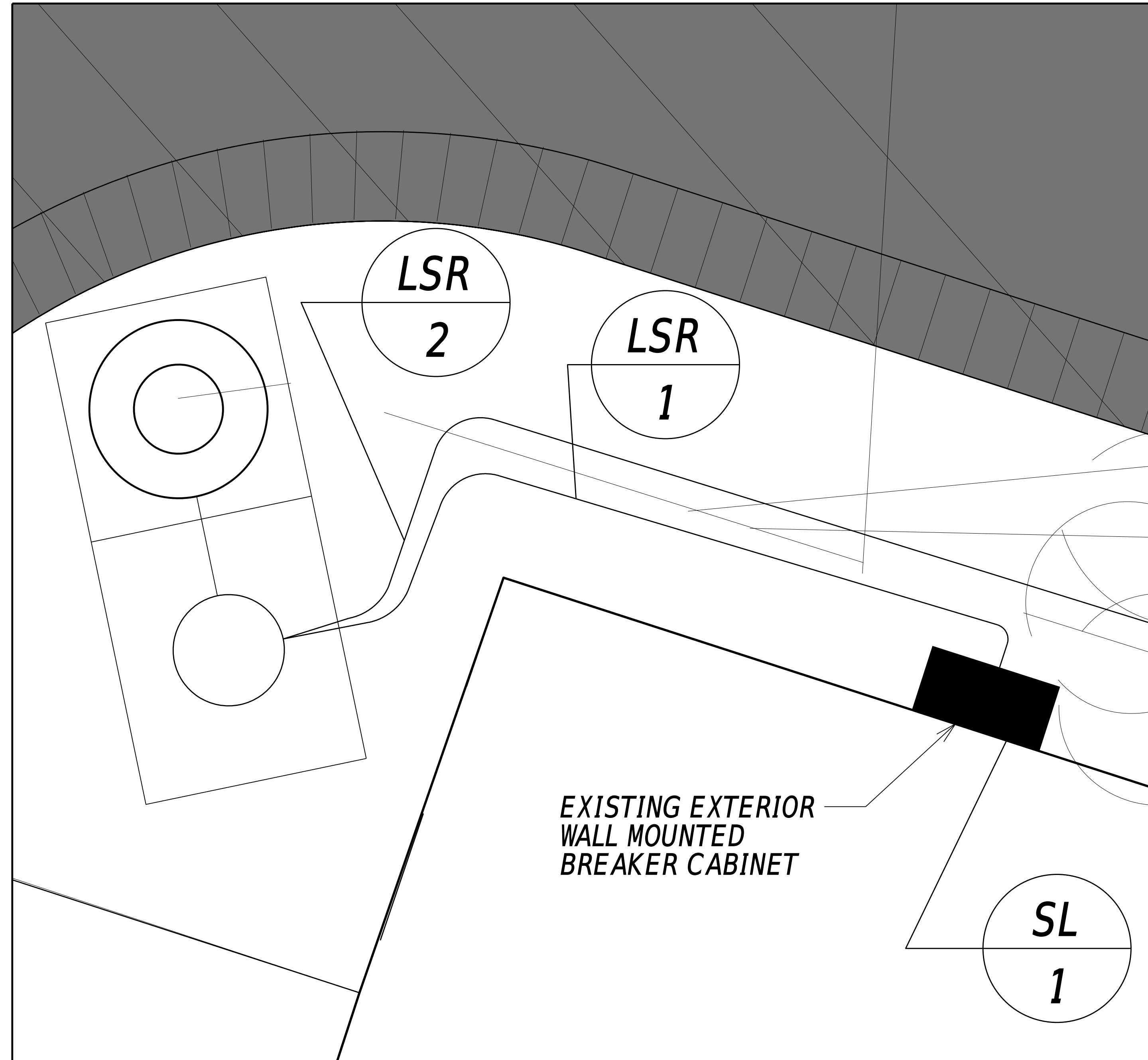
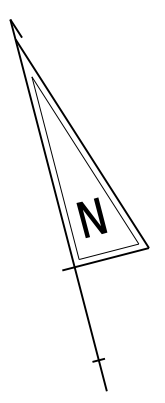
SECTION
ROSSI
SHEET NO.
26

NOTES:

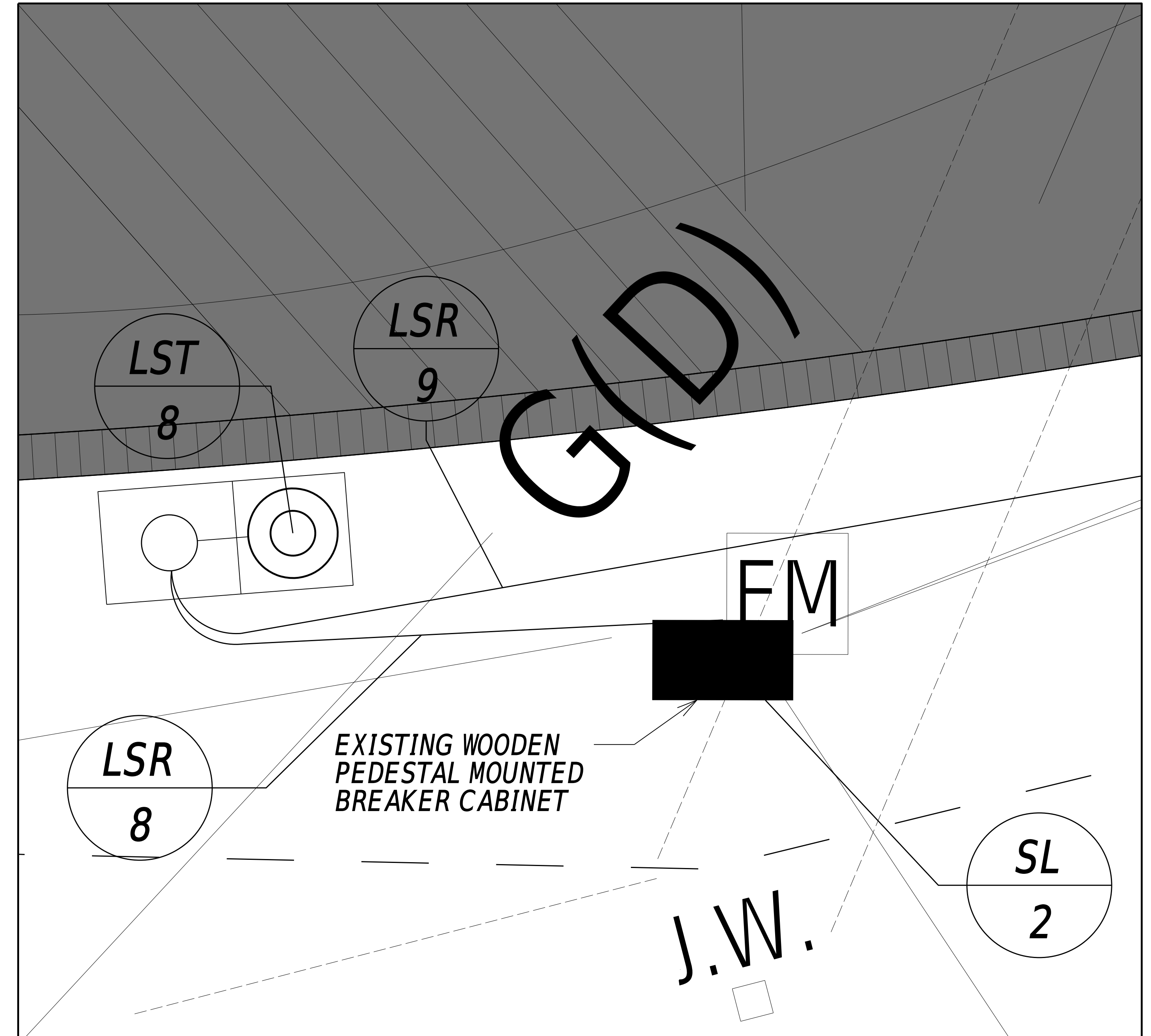
1. CONTRACTOR SHALL POUR THE PROPOSED LIGHT POLE BASES SO THAT THE TOP OF THE BASE IS LEVEL.
2. 120/240V ELECTRIC SERVICE TO BE OBTAINED FROM: SERVICE LOCATIONS 1 AND 2.
3. THE CONTRACTOR SHALL INSTALL LIGHTING CONDUIT AND LIGHT POLE BASES, INCLUDING ANCHOR BOLTS. THE CONTRACTOR SHALL RUN ALL WIRING AND INSTALL LIGHT BOLLARDS.
4. THE CONTRACTOR SHALL RUN THE CONDUIT TO THE BASES OF THE PROPOSED SERVICE LOCATIONS.
5. CONDUIT SHALL BE INSTALLED AT A MINIMUM DEPTH OF 24" AND BE FIELD ADJUSTED TO AVOID IMPACTS TO EXISTING UTILITIES. ALL COSTS INCIDENTAL TO THE ITEMS BEING INSTALLED.
6. THE TOWN OF LAUREL AND LAUREL REDEVELOPMENT CORPORATION (LRC) HAVE DESIGNATED A SPECIFIC MAKE AND MODEL OF LIGHT POLE BELOW TO BE USED FOR THIS PROJECT. AN ACCEPTABLE SUBSTITUTE MAY BE USED AS APPROVED BY THE TOWN OF LAUREL AND LRC.

MAKE: CYCLONE
MODEL NUMBER: CBM 1210C
MODEL NAME: CBM 1210C-FGF-T5-P30-3K
CBM 1210C-FGF-T3-P30-3K
7. SERVICE LOCATION DETAIL SHEET IS FOR INFORMATIONAL PURPOSES ONLY. EXACT CONDUIT INSTALLATION LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR. ANY MAJOR DEVIATIONS SHALL BE APPROVED BY THE ENGINEER.
8. LIGHTING STANDARD STATIONS AND OFFSETS ARE TO THE CENTER OF THE POLE BASE.

LEGEND	
	SERVICE LOCATION
	LIGHTING STANDARD IDENTIFIER
	LIGHTING SERVICE IDENTIFIER
	EXISTING UTILITY POLE
	PROPOSED STEEL BOLLARD WITH LUMINAIR
	SCHEDULE 40 PVC CONDUIT UNDER NEW PAVEMENT OR IN SODDED TRENCH, 2"



SL1 DETAIL



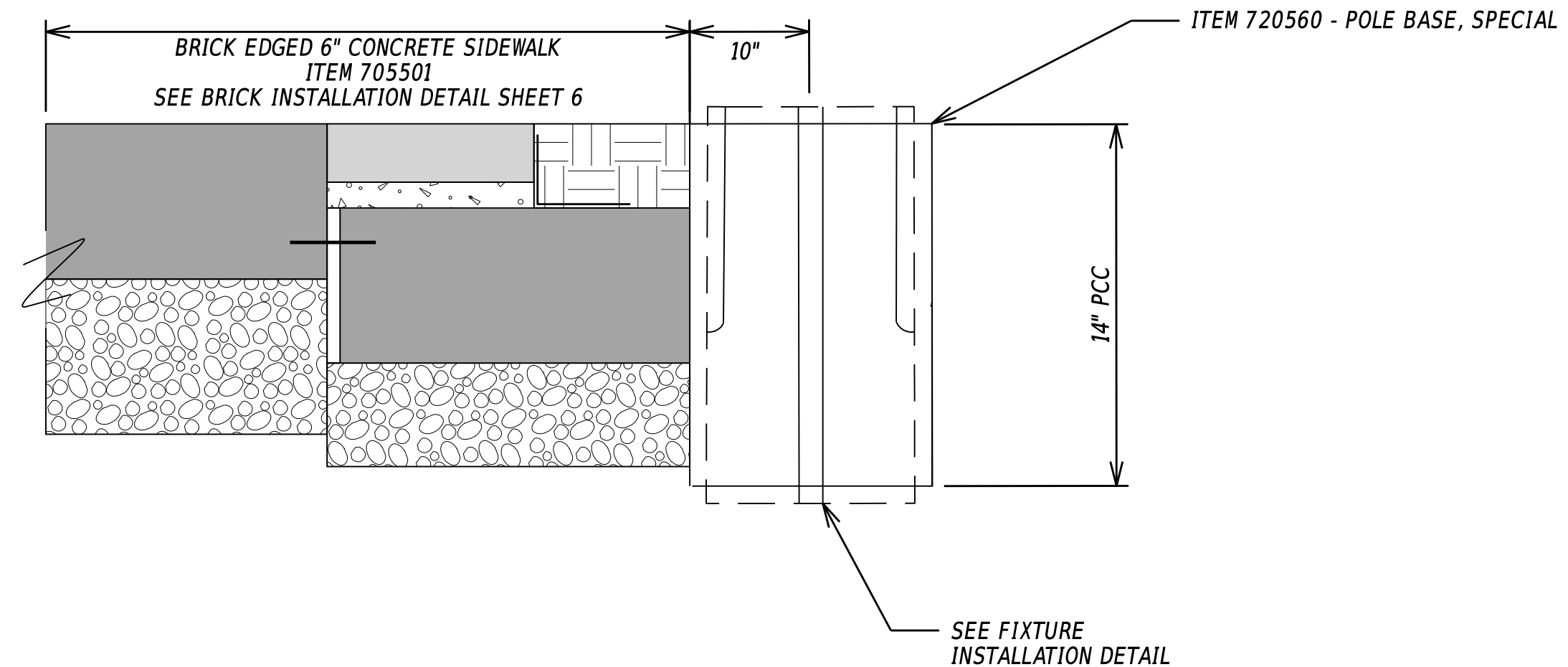
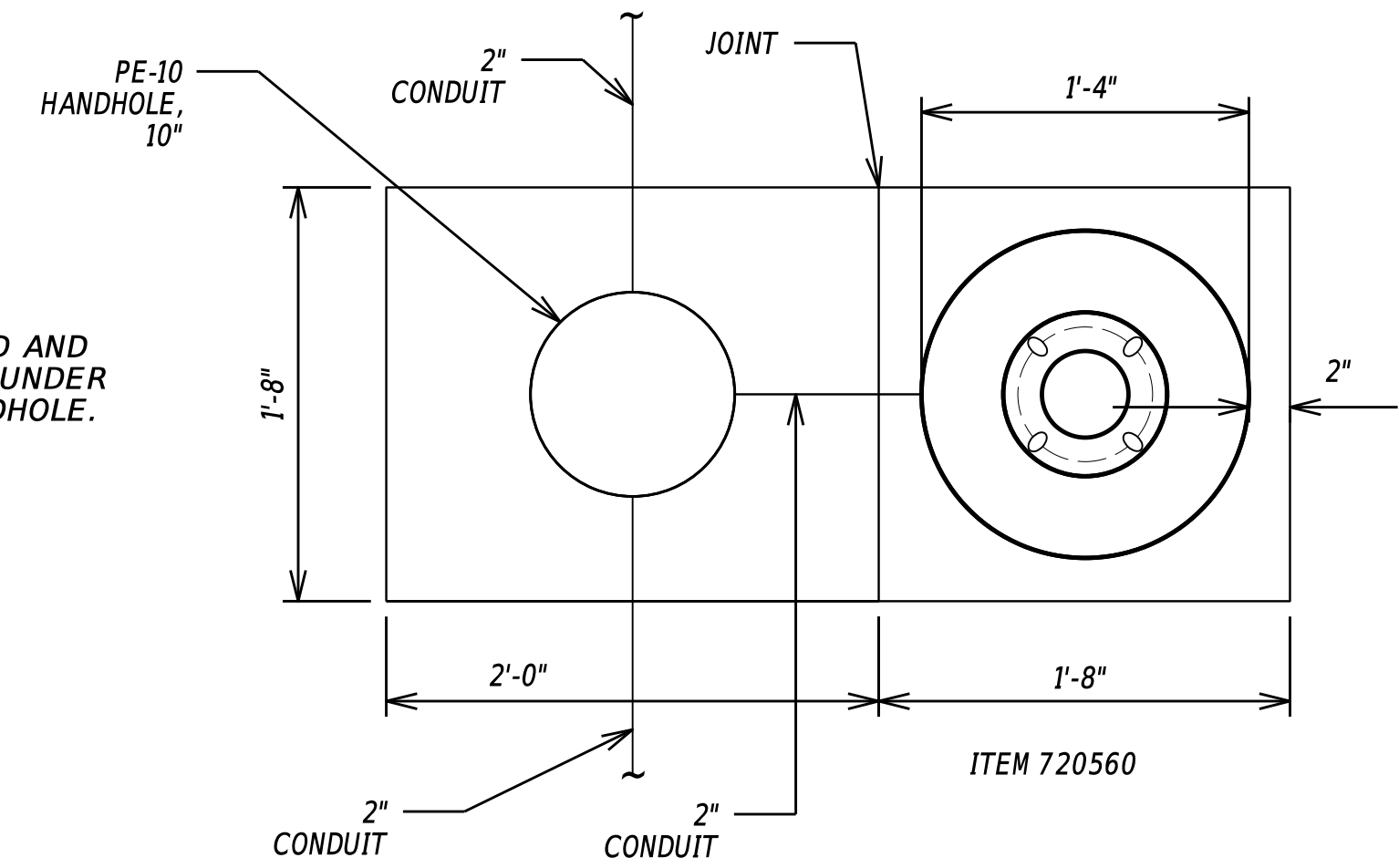
SL2 DETAIL

18-OCT-2024 10:53 C:\Users\Anthony.Reass\OneDrive\Documents\Projects - Documents\Project Files\18_105_DeDOT_Laurel_Design\CADD\Sheets\U03.dgn

ADDENDA / REVISIONS		NOT TO SCALE	LAUREL RAMBLE PHASE II	CONTRACT	BRIDGE NO.	N/A	SERVICE LOCATION DETAILS	SECTION
				T202120006	DESIGNED BY:	A. REASS		ROSSI
		COUNTY	CHECKED BY:	S. MCEVILLY		SHEET NO.		27
		SUSSEX						

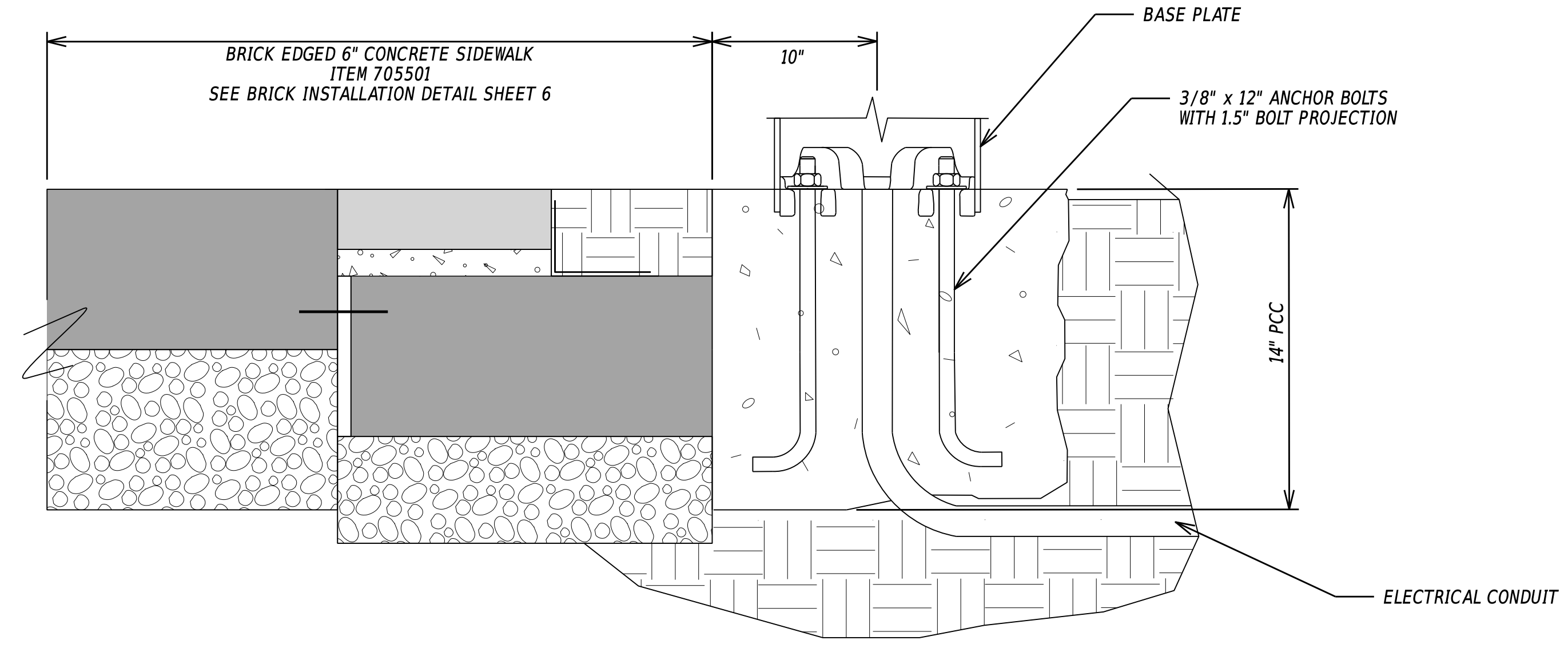
18-OCT-2024 10:53 C:\Users\Anthony_Reass\Documents\Projects - Documents\Project Files\18.105 DelDOT Laurel Design\CADD\Sheets\L04.dgn

PE 10 HANDHOLE TO BE SUPPLIED AND INSTALLED BY THE CONTRACTOR UNDER ITEM 846500 - ELECTRICAL HANDHOLE.



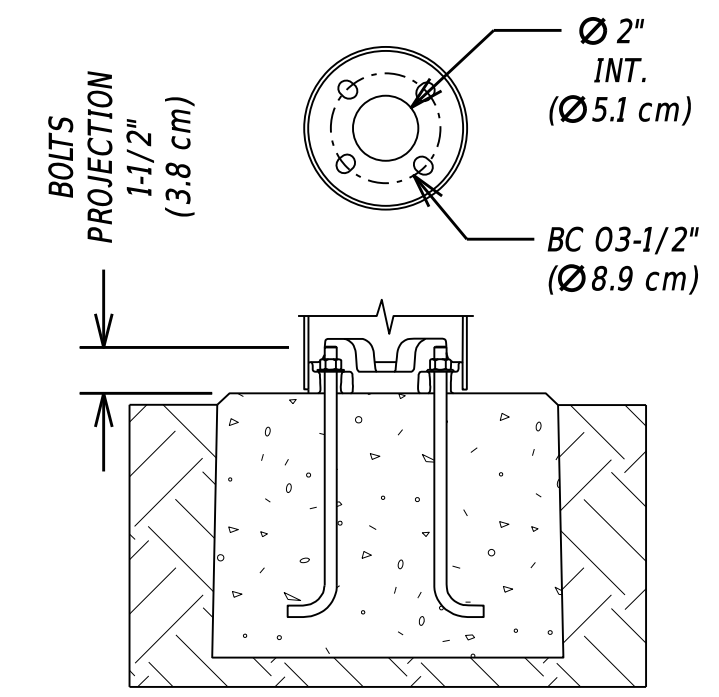
LIGHTING BASE DETAIL

- NOTES:
- 1-5" FOOT OF 2" CONDUIT WILL BE INSTALLED BETWEEN EACH PE-10 HANDHOLE AND LIGHT BASE. 31'-2" (22 LIGHTS AT 1'-5" LENGTH) IS NOT INCLUDED IN THE CONDUIT SCHEDULE BUT IT IS INCLUDED IN ITEM 831513.



FIXTURE INSTALLATION DETAIL

ANCHOR PLATE DETAIL

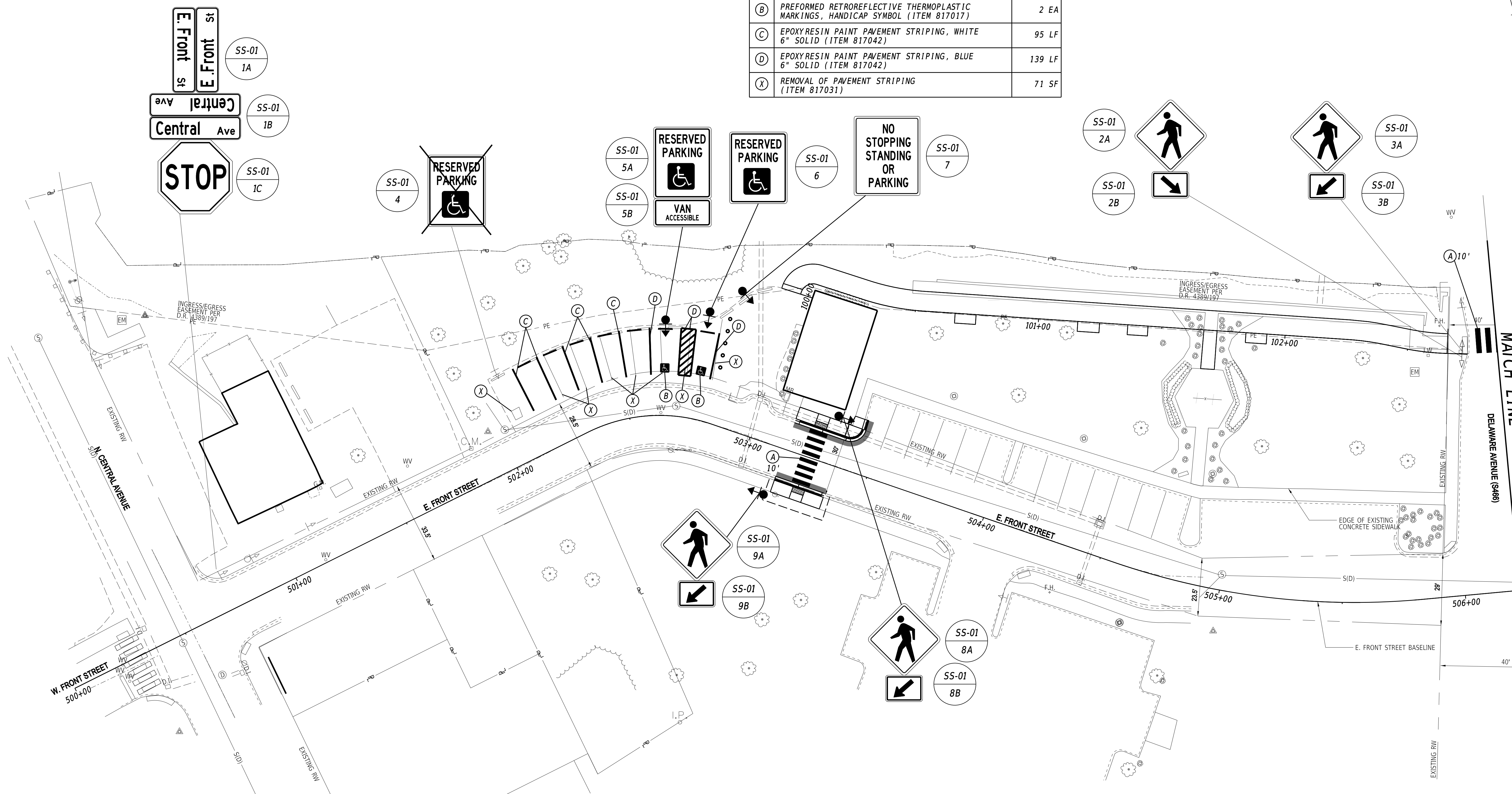
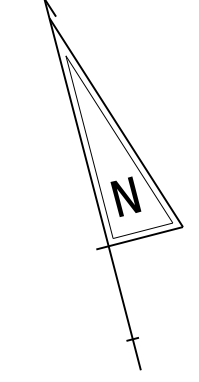


- NOTES:
1. CONTRACTOR SHALL INSTALL LIGHT BASE INCLUDING ANCHOR BOLTS, NUTS AND WASHERS AND LIGHTING CONDUIT. WORK FOR BASE TO BE PAID UNDER ITEM 720560 - POLE BASE, SPECIAL. CONDUIT TO BE PAID UNDER ITEM 831513 - PROVIDE AND INSTALL 2" SCHEDULE 80 PVC CONDUIT AND APPROPRIATE INSTALLATION ITEMS.
 2. TOWN OF LAUREL SHALL SUPPLY AND INSTALL ALL LIGHTS AND WIRING, INCLUDING SERVICE CONNECTIONS.
 3. CONTRACTOR SHALL INSTALL CONDUIT TO THE BASE OF THE SERVICE LOCATIONS, WHERE SERVICE WILL BE PROVIDED. TOWN OF LAUREL SHALL MAKE FINAL TIE-IN.
 4. CONDUIT TO BE PLACED A MINIMUM OF 24" BELOW GRADE, OR AS DIRECTED BY THE ENGINEER IN FIELD.

- TOWN OF LAUREL EQUIPMENT INSTALLATION NOTES:
1. THERE ARE METERS AND BREAKER CABINET AT SL1 AND SL2. NO NEED FOR ADDITIONAL PEDESTALS OR TRANSFORMERS.
 2. TOWN OF LAUREL SHALL INSTALL NEW BREAKERS TO ACCOMMODATE NEW LIGHT CIRCUITS AT EXISTING PEDESTALS.
 3. TOWN OF LAUREL SHALL MAKE TIE-IN UTILIZING 240V AT BREAKER CABINET, SL1.
 4. TOWN OF LAUREL SHALL MAKE TIE-IN UTILIZING 240V AT BREAKER CABINET, SL2.

ADDENDA / REVISIONS		NOT TO SCALE	LAUREL RAMBLE PHASE II	CONTRACT	BRIDGE NO.	N/A	SECTION
				T202120006	DESIGNED BY:	A. REASS	
			COUNTY	SUSSEX	CHECKED BY:	S. MCEVILLY	SHEET NO.
							28

PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(A)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 24" SOLID (ITEM 817002)	200 SF
(B)	PREFORMED RETROREFLECTIVE THERMOPLASTIC MARKINGS, HANDICAP SYMBOL (ITEM 817017)	2 EA
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	95 LF
(D)	EPOXY RESIN PAINT PAVEMENT STRIPING, BLUE 6" SOLID (ITEM 817042)	139 LF
(X)	REMOVAL OF PAVEMENT STRIPING (ITEM 817031)	71 SF

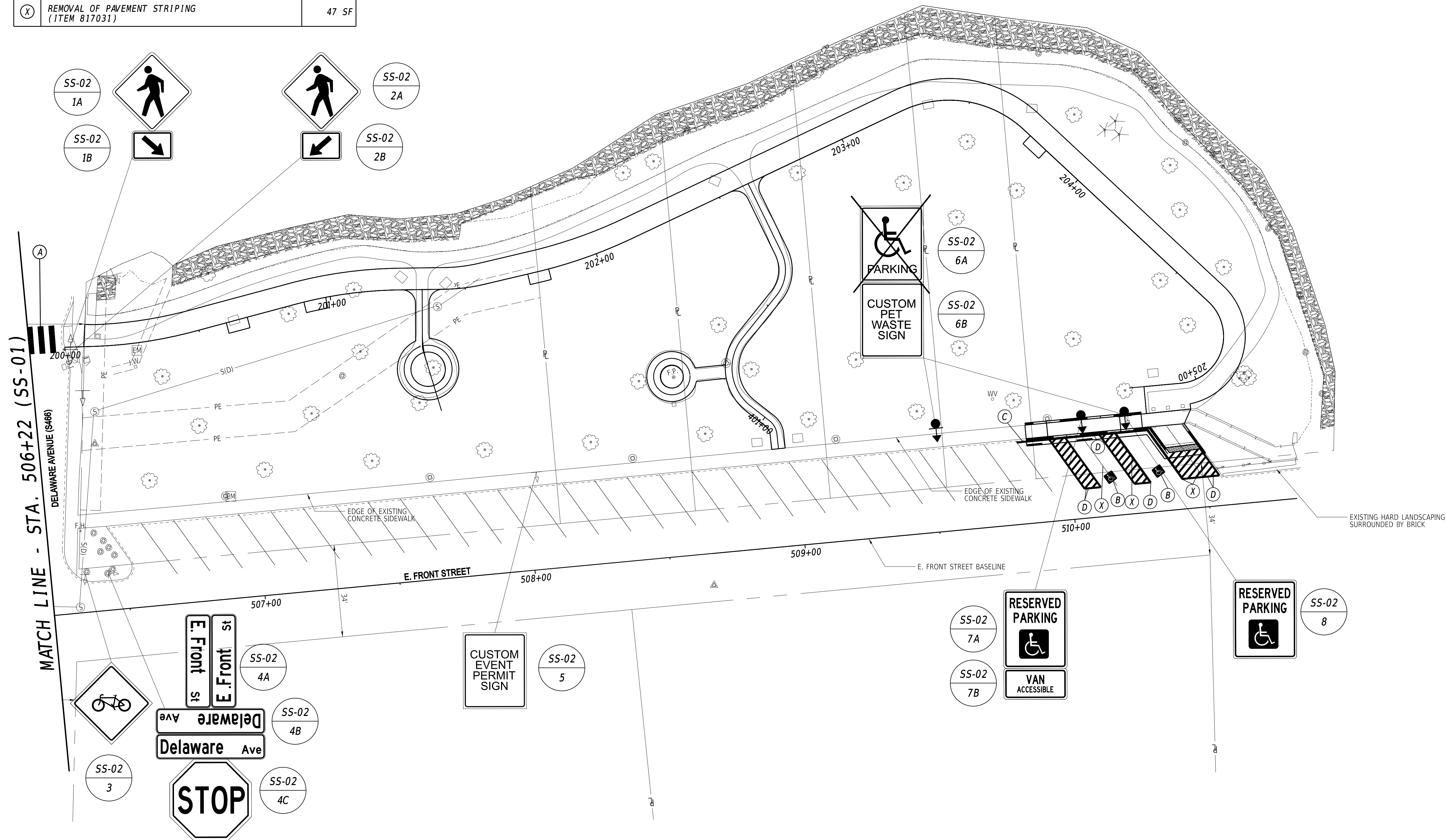
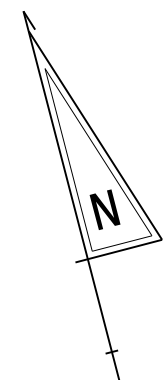


MATCH LINE - STA. 506+22 (SS-02)
DELAWARE AVENUE (S468)

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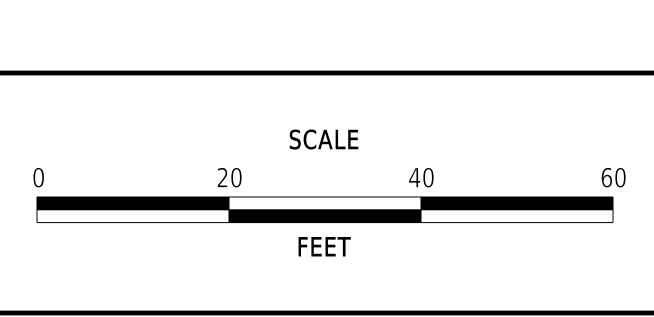
ADDENDA / REVISIONS		SCALE 0 20 40 60 FEET	LAUREL RAMBLE PHASE II	CONTRACT T202120006	BRIDGE NO. N/A	SIGNING, STRIPING AND CONDUIT PLAN	SS-01
				COUNTY SUSSEX	DESIGNED BY: A. REASS		CHECKED BY: S. MCEVILLY
							SHEET NO. 29

PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(A)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 24" SOLID (ITEM 817002)	60 SF
(B)	PREFORMED RETROREFLECTIVE THERMOPLASTIC MARKINGS, HANDICAP SYMBOL (ITEM 817017)	2 EA
(C)	EPOXYRESIN PAINT PAVEMENT STRIPING, WHITE 6" SOLID (ITEM 817042)	12 LF
(D)	EPOXYRESIN PAINT PAVEMENT STRIPING, BLUE 6" SOLID (ITEM 817042)	496 LF
(X)	REMOVAL OF PAVEMENT STRIPING (ITEM 817031)	47 SF



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ADDENDA / REVISIONS	



LAUREL RAMBLE PHASE II

CONTRACT	T202120006	BRIDGE NO.	N/A
COUNTY	SUSSEX	DESIGNED BY:	A. REASS
		CHECKED BY:	S. MCEVILLY

SIGNING, STRIPING AND CONDUIT PLAN

SS-02
SECTION
ROSSI
SHEET NO.
30

PERMANENT SIGN SCHEDULE - ROADWAY

SHEET NO.	PLAN IDENTIFIER	SIGN DESIGNATION	QTY.	DESCRIPTION	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	X13 / ITEM 818001 SUPPLY OF FLAT SHEET ALUMINUM, TYPE IV, RETROREFLECTIVE SHEETING (SF)	X14 / ITEM 818003 SUPPLY OF FLAT SHEET ALUMINUM, TYPE XI, RETROREFLECTIVE SHEETING (SF)	X15 / ITEM 819512 SIGN POST REFLECTIVE PANEL (EA)	ITEM 819018 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE POST (EACH)			ITEM 819019 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS (SF)			POST INSTALLATION TYPE	X16 / ITEM 819011 12' SIGNPOSTS W/ BASEPOSTS & HARDWARE (EACH)	X17 / ITEM 819023 15' SIGNPOSTS W/ BASEPOSTS & HARDWARE (EACH)	ITEM 819016 4" HOLE, 0-6" (EACH)	ITEM 819017 4" HOLE, >6" (EACH)	SIGN DISPOSITION	X14A FLAT SHEET ALUMINUM SIGN PANELS (TYPE XI SHEETING) - SIGNS ON POLES, SPAN WIRES, MAST ARMS (TRAFFIC SUPPLY)	ITEM 822500 INSTALL OVERHEAD SIGN (SF) ON SIGNAL POLES TRAFFIC CONTRACTOR ITEM, EXCEPT FOR PILOT PROJECTS	ITEM 823003 REMOVAL OF SIGN ON SPAN WIRE OR MAST ARM (EA) TRAFFIC CONTRACTOR ITEM, EXCEPT FOR PILOT PROJECTS	ITEM 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	1A	D3-1(12)	1	STREET NAME (1 Line) Posted speed ≤ 40 MPH	24	12	2.0				RENEW	1	1													"FRONT ST"	
SS-01	1B	D3-1(12)	1	STREET NAME (1 Line) Posted speed ≤ 40 MPH	24	12	2.0				RENEW	1	1													"CENTRAL AVE"	
SS-01	1C	R1-1(30)	1	STOP	30	30					REMAIN																
SS-01	2A	W11-2(24)	1	PEDESTRIAN (Symbol) - 24x24	24	24					REMAIN																
SS-01	2B	W16-7P R(24)	1	RIGHT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24	12					REMAIN																
SS-01	3A	W11-2(24)	1	PEDESTRIAN (Symbol) - 24x24	24	24					REMAIN																
SS-01	3B	W16-7P L(24)	1	LEFT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24	12					REMAIN																
SS-01	4	R7-8	1	RESERVED PARKING (Disabilities - symbols)	12	18					REMOVE	1															
SS-01	5A	R7-8	1	RESERVED PARKING (Disabilities - symbols)	12	18	1.5				NEW		1		SOIL	1											
SS-01	5B	R7-8P	1	VAN ACCESSIBLE (plaque)	18	9	1.1				ADD TO ASSEMBLY		1		SOIL	1											
SS-01	6	R7-8	1	RESERVED PARKING (Disabilities - symbols)	12	18	1.5				NEW		1		SOIL	1											
SS-01	7	R7-4-DE(12)	1	NO STOPPING, STANDING, OR PARKING - 12x18	12	18	1.5				NEW		1		SOIL	1											
SS-01	8A	W11-2(24)	1	PEDESTRIAN (Symbol) - 24x24	24	24	4.0				NEW		1		BITUMINOUS	1			1								
SS-01	8B	W16-7P L(24)	1	LEFT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24	12	2.0				ADD TO ASSEMBLY		1		BITUMINOUS	1			1								
SS-01	9A	W11-2(24)	1	PEDESTRIAN (Symbol) - 24x24	24	24	4.0				NEW		1		SOIL	1											
SS-01	9B	W16-7P L(24)	1	LEFT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24	12	2.0				ADD TO ASSEMBLY		1		SOIL	1											
SS-02	1A	W11-2(24)	1	PEDESTRIAN (Symbol) - 24x24	24	24					REMAIN																
SS-02	1B	W16-7P R(24)	1	RIGHT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24	12					REMAIN																
SS-02	2A	W11-2(24)	1	PEDESTRIAN (Symbol) - 24x24	24	24					REMAIN																
SS-02	2B	W16-7P L(24)	1	LEFT DOWNWARD DIAGONAL ARROW (plaque) - 24x12	24	12					REMAIN																
SS-02	3	W11-1(24)	1	BICYCLE (Symbol) - 24x24	24	24					REMAIN																
SS-02	4A	D3-1(12)	1	STREET NAME (1 Line) Posted speed ≤ 40 MPH	24	12	2.0				RENEW	1	1													"FRONT ST"	
SS-02	4B	D3-1(12)	1	STREET NAME (1 Line) Posted speed ≤ 40 MPH	24	12	2.0				RENEW	1	1													"DELAWARE AVE"	
SS-02	4C	R1-1(30)	1	STOP	30	30					REMAIN																
SS-02	5		1	CUSTOM EVENT PERMIT SIGN							REMAIN																
SS-02	6A	R7-8	1	RESERVED PARKING (Disabilities - symbols)	12	18					REMOVE	1															
SS-02	6B		1	CUSTOM PET WASTE SIGN							REPOSITION	1	1														
SS-02	7A	R7-8	1	RESERVED PARKING (Disabilities - symbols)	12	18	1.5				NEW		1		SOIL	1											
SS-02	7B	R7-8P	1	VAN ACCESSIBLE (plaque)	18	9	1.1				ADD TO ASSEMBLY		1		SOIL	1											
SS-02	8	R7-8	1	RESERVED PARKING (Disabilities - symbols)	12	18	1.5				NEW		1		SOIL	1											
PAGE TOTALS							30	0	0			7	16			7	0	0	2		0	0	0	0			
JOB TOTALS							30	0	0			7	16			7	0	0	2		0	0	0	0			

ADDENDA / REVISIONS

NOT TO SCALE

LAUREL RAMBLE PHASE II

CONTRACT

T202120006

COUNTY

SUSSEX

BRIDGE NO.

DESIGNED BY:

CHECKED BY:

N/A

A. REASS

S. MCEVILLY

SIGN SCHEDULE

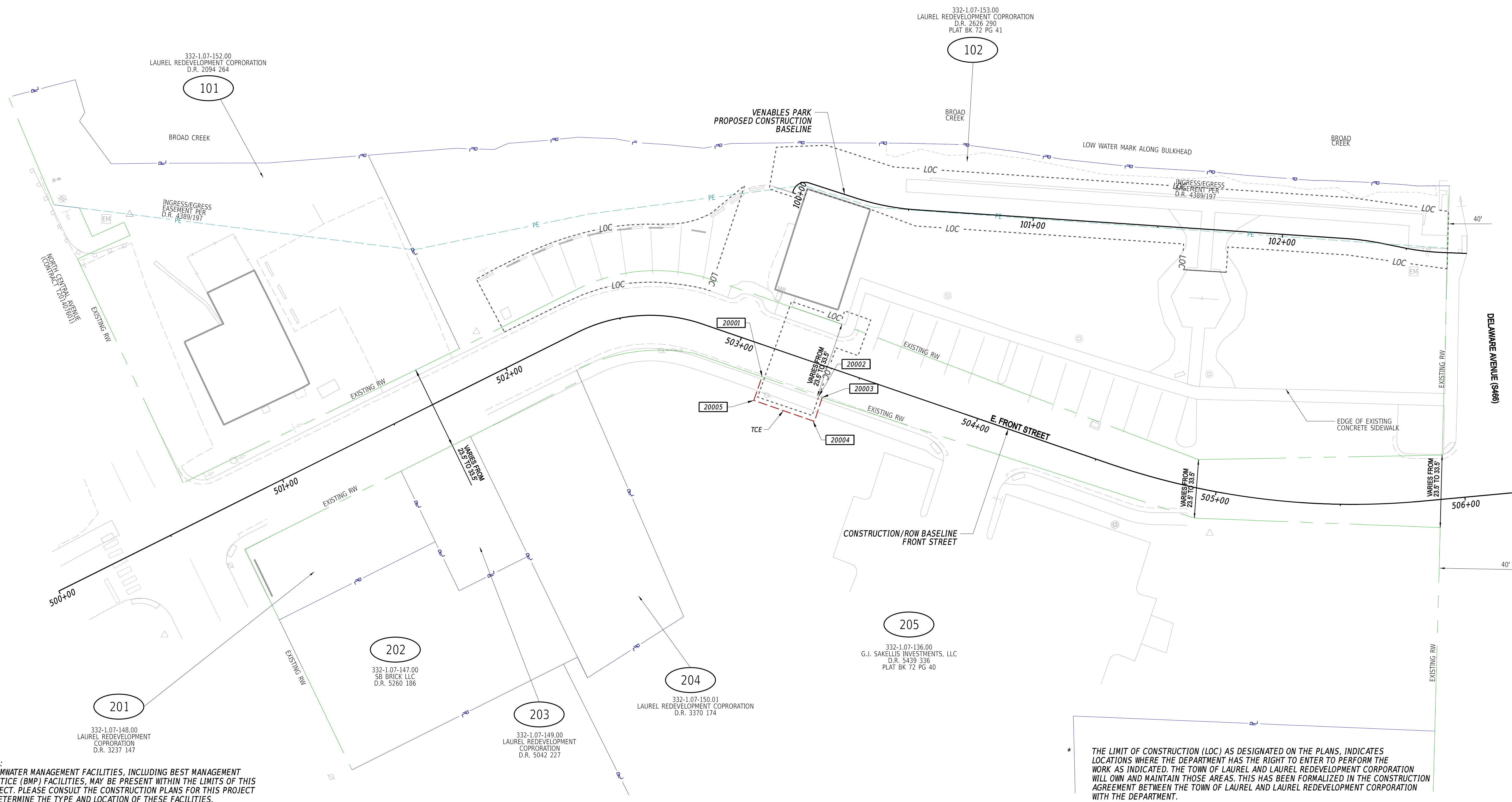
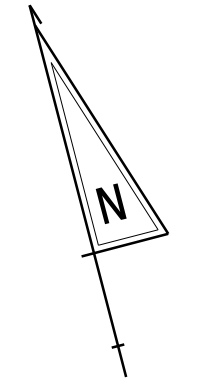
SECTION

ROSSI

SHEET NO.

31

ASSESSMENT NUMBER		OWNERSHIP OF RECORD					TYPE OF ACQUISITION		TITLE SOURCE		PARCEL AREA (ACRES)	
332-1.07-136.00		(205) G.J. SAKELLIS INVESTMENT, LLC					TCE		D.R. 5439 336		1.14	
PT. NO.	ALIGN. NO.	STATION	OFFSET *	NORTH	EAST	BEARING	DISTANCE	CHORD BEARING	CHORD LENGTH	ARC LENGTH	RADIUS **	
20001	E FRONT ST	503+12.91	12.232'	203308.2822	612102.6724	S 56° 19' 18" E	24.000'					
20002	E FRONT ST	503+36.91	12.311'	203294.9759	612122.6460	S 57° 29' 07" E	1.500'					
20003	E FRONT ST	503+38.41	12.284'	203294.1702	612123.9112	S 32° 30' 53" W	10.033'					
20004	E FRONT ST	503+38.58	22.316'	203285.7097	612118.5182	N 56° 19' 18" W	25.703'					
20005	E FRONT ST	503+12.88	22.229'	203299.9629	612097.1287	N 33° 40' 42" E	9.997'					
FIGURE AREA = 256.01 SQ. FT. (0.0059 ACRES)												
DEED RECORD OF ACQUISITION:												

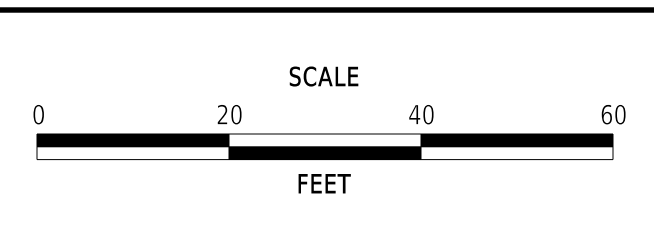


NOTE:
STORMWATER MANAGEMENT FACILITIES, INCLUDING BEST MANAGEMENT PRACTICE (BMP) FACILITIES, MAY BE PRESENT WITHIN THE LIMITS OF THIS PROJECT. PLEASE CONSULT THE CONSTRUCTION PLANS FOR THIS PROJECT TO DETERMINE THE TYPE AND LOCATION OF THESE FACILITIES.

* THE LIMIT OF CONSTRUCTION (LOC) AS DESIGNATED ON THE PLANS, INDICATES LOCATIONS WHERE THE DEPARTMENT HAS THE RIGHT TO ENTER TO PERFORM THE WORK AS INDICATED. THE TOWN OF LAUREL AND LAUREL REDEVELOPMENT CORPORATION WILL OWN AND MAINTAIN THOSE AREAS. THIS HAS BEEN FORMALIZED IN THE CONSTRUCTION AGREEMENT BETWEEN THE TOWN OF LAUREL AND LAUREL REDEVELOPMENT CORPORATION WITH THE DEPARTMENT.

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ADDENDA / REVISIONS



LAUREL RAMBLE PHASE II

CONTRACT	BRIDGE NO.	N/A
T202120006	DESIGNED BY:	A. REASS
COUNTY	CHECKED BY:	S. MCEVILLY
SUSSEX		

RIGHT-OF-WAY PLAN

SECTION
ROSSI
SHEET NO.
32