

THE STATE OF DELAWARE DEPARTMENT OF TRANSPORTATION



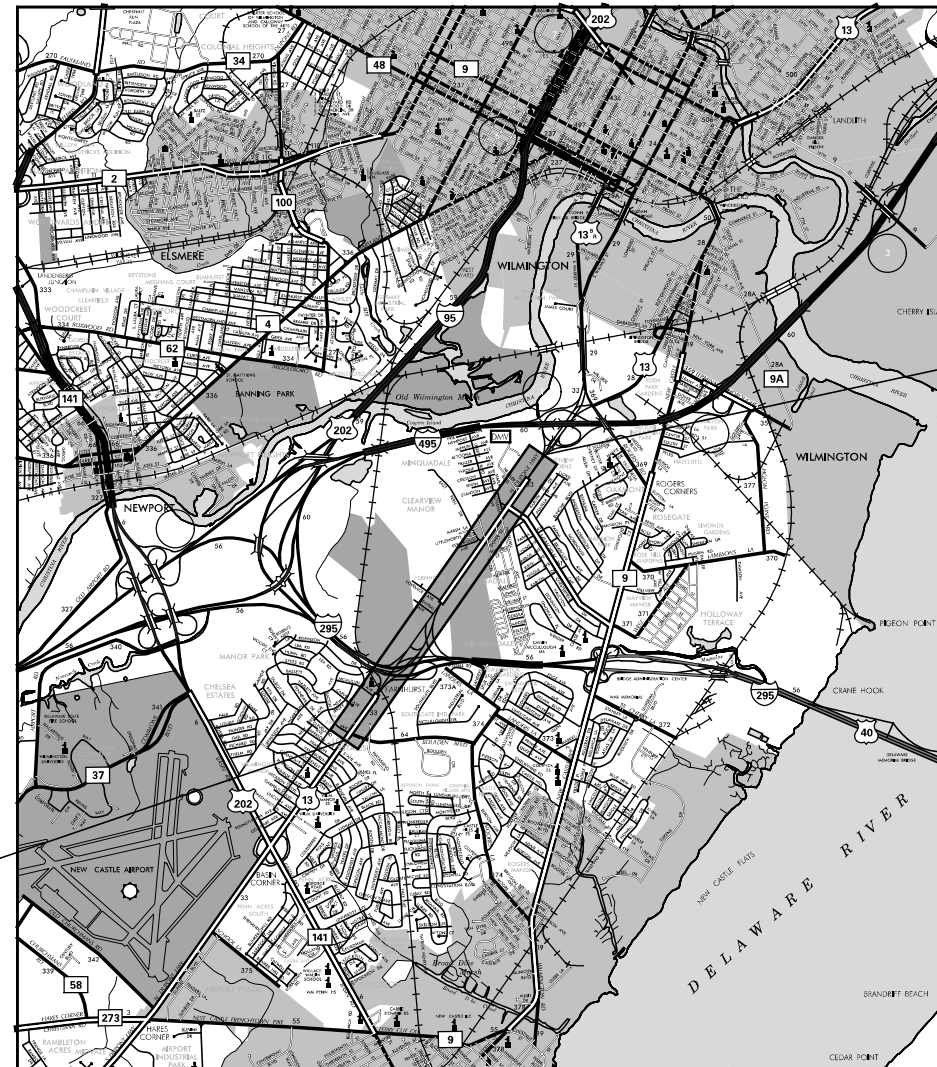
CONSTRUCTION & RIGHT-OF-WAY PLANS FOR:

US 13 SOUTHBOUND BBRT LANE

CONTRACT NUMBER: **T202201102**
 FEDERAL AID PROJECT NUMBER: **5307-2022(08)**

COUNTY: NEW CASTLE M.R. #: N033

U.S. CUSTOMARY
UNITS



LOCATION MAP
NOT TO SCALE

BEGIN CONTRACT
STATION 591+32

END CONTRACT
STATION 1054+35

PREPARED BY
PENNONI ASSOCIATES INC.

1/22/2025 DATE

SEAL

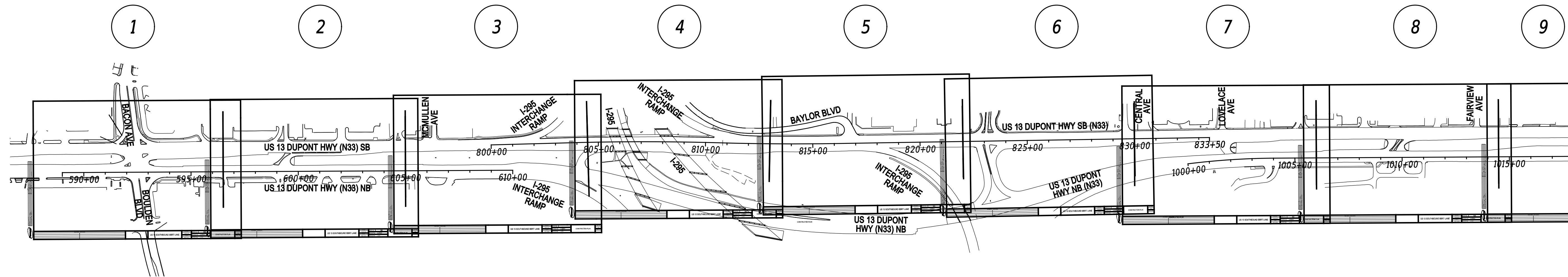
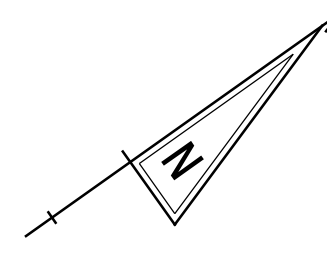
THIS SEAL APPLIES TO ALL SHEETS BEARING THE "PAI" SECTION DESIGNATION.

DESIGN DESIGNATION			
MRD #: N033	ROAD NAME: US 13 (SOUTH OF I-295)		
FUNCTIONAL CLASS: OTHER PRINCIPAL ARTERIAL	D.H.V. PROJECTED: 5,068	YEAR: 2040	
TYPE OF CONSTRUCTION: RECONSTRUCTION		DESIGN SPEED: 45 MPH	
A.A.D.T. CURRENT: 45,190	YEAR: 2021	TRUCKS: 7.70%	
A.A.D.T. PROJECTED: 49,682	YEAR: 2040	DIRECTION OF DISTRIBUTION: 57.40%	
DESIGN DESIGNATION			
MRD #: N033	ROAD NAME: US 13 (AT I-295)		
FUNCTIONAL CLASS: OTHER PRINCIPAL ARTERIAL	D.H.V. PROJECTED: 4,463	YEAR: 2040	
TYPE OF CONSTRUCTION: RECONSTRUCTION		DESIGN SPEED: 45 MPH	
A.A.D.T. CURRENT: 39,796	YEAR: 2021	TRUCKS: 7.70%	
A.A.D.T. PROJECTED: 43,752	YEAR: 2040	DIRECTION OF DISTRIBUTION: 57.40%	
DESIGN DESIGNATION			
MRD #: N033	ROAD NAME: US 13 (FROM FERNWOOD AVE. TO OF I-295)		
FUNCTIONAL CLASS: OTHER PRINCIPAL ARTERIAL	D.H.V. PROJECTED: 3,858	YEAR: 2040	
TYPE OF CONSTRUCTION: RECONSTRUCTION		DESIGN SPEED: 45 MPH	
A.A.D.T. CURRENT: 34,402	YEAR: 2021	TRUCKS: 7.70%	
A.A.D.T. PROJECTED: 37,822	YEAR: 2040	DIRECTION OF DISTRIBUTION: 57.40%	
DESIGN DESIGNATION			
MRD #: N033	ROAD NAME: US 13 (FROM I-495 TO FERNWOOD AVE.)		
FUNCTIONAL CLASS: OTHER PRINCIPAL ARTERIAL	D.H.V. PROJECTED: 3,318	YEAR: 2040	
TYPE OF CONSTRUCTION: RECONSTRUCTION		DESIGN SPEED: 45 MPH	
A.A.D.T. CURRENT: 29,580	YEAR: 2021	TRUCKS: 7.70%	
A.A.D.T. PROJECTED: 32,521	YEAR: 2040	DIRECTION OF DISTRIBUTION: 57.40%	
APPROVED DESIGN EXCEPTIONS			
DESIGN PARAMETER	REQUIRED	PROVIDED	DATE
ADDENDA / REVISIONS			
ASSOCIATED CONTRACTS			
CONTRACT NO.	CONTRACT NAME		
RM8	US 13 COLEMAN DUPONT ROAD, ST. GEORGES TO WILMINGTON		
26	US 13, HARES CORNER TO WILMINGTON CITY LIMITS		
82	US 13 WIDENING, STATE ROAD TO WILMINGTON		
209A	US 13 FARNHURST TO ROGERS CORNER PROPOSED NB ROADWAY		
218	HARES CORNER TO FARNHURST		
300	HARES CORNER TO FARNHURST		
1177	US 13 CROSSOVERS AT LEEDOM ESTATES, BACON AVE., MCMULLIN AVE.		
1260	US 13, BASIN CORNER TO MINQUADALE		
1288	US 13, MINQUADALE TO ROGERS CORNER		
1317	MEMORIAL DR - US 13 TO SR 9		
65-01-004	I495, US 13 INTERCHANGE CONSTRUCTION		
65-11-003	SWANWYCK CONNECTION, US 13 TO MOORES LANE		
85-061-09	US 13, N. OF I-295 TO S. MARKET ST. BRIDGE BR.686, S. WILMINGTON CAUSEWAY		
85-061-19	US 13, N. OF HARES CORNER TO I-295 INTERCHANGE 4R		
89-041-01	US 13, MINQUADALE INTERSECTION IMPROVEMENTS		
94-593-01	WILMINGTON AREA FACILITY - HESSLER BLVD		
T200800708	HSIP US 13 BOULDEN BLVD TO MCMULLEN AVE		
T201107401	BR 1-665N AND 1-665S CARRYING US 13 OVER BAYLOR BOULEVARD		
T201606121	P&R NORTH XXI, FY 2016 US 13 (DUPONT PARKWAY)		
T201901103	US 13 MEDIAN LIGHTING - LLANGOLLEN BLVD TO I-495		
T201904105	US 13 AND SR273 BUS BIKE RIGHT TURN		
T201901102	US 13 PAVING AND PEDESTRIAN IMPROVEMENTS		
T201901104	US 13 MEDIAN TREATMENTS, US 40 TO I-495		
T202000401	2018 HEP SITE S-2		
T202204001	FY 22, INTERSECTION IMPROVEMENTS PROGRAM		
DMB-13-01	I-295 SOUTHBOUND RECONSTRUCTION PROJECT FROM I-95 TO LANDERS LANE		
SNR6215	WAWA, US 13 MEMORIAL DRIVE		

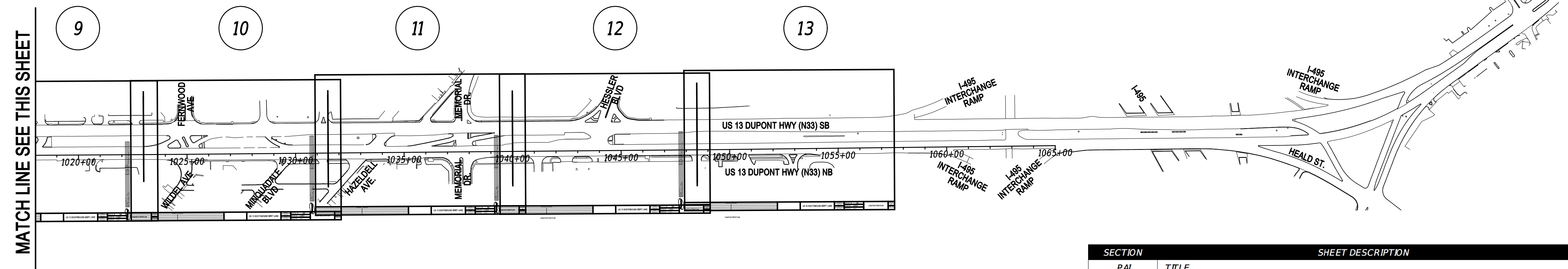
APPROVED FOR ADVERTISEMENT

DIRECTOR OF TRANSPORTATION SOLUTIONS

02/11/2025 DATE



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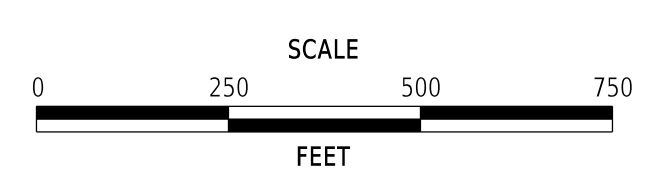
MATCH LINE SEE THIS SHEET

SECTION	SHEET DESCRIPTION	SHEET NO(S)
PAI	TITLE	1
PAI	INDEX OF SHEETS	2
PAI	ADDENDA AND REVISIONS	3
PAI	LEGEND	4
PAI	NOTES	5
PAI	TYPICAL SECTIONS	6
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PENNONI ASSOCIATES, INC. SHEET NO. 2
 REV. TABLE SUPERVISOR
 DATE PLOTTED: 24 JUN 2024 @ 14:34
 USER NAME: SUSERS OFFICE LOCATION: SOFFICE/AMNES



ADDENDA / REVISIONS



US 13 SOUTHBOUND BBR T LANE

CONTRACT	BRIDGE NO.	N/A
T202201102	DESIGNED BY:	A. MORJANA
COUNTY	CHECKED BY:	J. GRAY
NEW CASTLE		

INDEX OF SHEETS

SECTION	PAI
SHEET NO.	2

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			
CURB & GUTTER, TYPE 3	C&G, TYPE "X"		
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			
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			RM XXX
DRAINAGE PIPE AND FLOW ARROW	SIZE/TYPE LABEL 		P XXX
FLARED END SECTION			FE 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	ID
COMMUNICATIONS DISTRIBUTION BOX	CD 	IV 	
COMMUNICATIONS MANHOLE	C 	T 	C
COMMUNICATIONS TEST POINT	CT 	T 	
COMMUNICATIONS - UNDERGROUND	COMM(A) 	COMM 	
ELECTRIC - UNDERGROUND	E(A) 	E 	
ELECTRIC MANHOLE	E 	E 	E
ELECTRIC METER	EM 		
ELECTRIC TRANSFORMER	E 		
GAS - UNDERGROUND	G(A) 	G 	
GAS MANHOLE	G 	G 	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 	S 	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	U 		
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	WV 	WV 	
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
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	BSP X
CONCRETE SAFETY BARRIER	B XXX
CONVERT TO JUNCTION BOX	CJB XXX
CONVERT TO DRAINAGE MANHOLE	CD XXX
DO NOT DISTURB	DND
ENERGY DISSIPATOR	ED XXX
FILL WITH FLOWABLE FILL	FF C
LANDSCAPE PLANTINGS	LS XXX
PEDESTRIAN CONNECTION / TYPE	PC X
PEDESTRIAN CONNECTION / TYPE WITHOUT DETECTABLE WARNING SYSTEM	PC-W 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

US 13 SOUTHBOUND BBRT LANE

CONTRACT	BRIDGE NO.	N/A
T202201102	DESIGNED BY:	A. MORJANA
COUNTY	CHECKED BY:	J. GRAY
NEW CASTLE		

LEGEND

SECTION	PAI
SHEET NO.	4

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, INCLUDING ALL REVISIONS UP TO THE DATE OF ADVERTISEMENT.

2. ELECTRONIC DESIGN DATA FILES THAT WILL BE MADE AVAILABLE TO THE BIDDERS INCLUDE:

()	NONE
(X)	ASCII DATA FILES WITH COORDINATES AND ELEVATIONS FOR PROPOSED POINTS AS SELECTED BY THE ENGINEER.
()	DESIGN FILE, IN .DGN FILE FORMAT, THAT CONTAINS 3D TRIANGLES REPRESENTING THE EXISTING SURFACE.
()	DESIGN FILE, IN .DGN FILE FORMAT, THAT CONTAINS 3D FEATURE LINES FOR THE PROPOSED DESIGN. 3D FEATURE LINES ARE FOR THE PROPOSED TOP SURFACE ELEVATION ONLY.

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

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

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

()	CROSS SECTIONS
(X)	RIGHT-OF-WAY PLANS (INCLUDED IN CONSTRUCTION PLAN SET)

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 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.

SECTION 200

- ITEMS TO BE REMOVED UNDER ITEM 211000 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
 - EXISTING PEDESTRIAN SIGNAL POLE BASES
- ITEMS TO BE REMOVED UNDER ITEM 211001 - REMOVAL OF PORTLAND CEMENT CONCRETE PAVEMENT SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
 - MEDIAN
 - CURB AND CURB AND GUTTER
 - SIDEWALK
 - PEDESTRIAN CONNECTIONS
 - TRIANGULAR CHANNELIZING ISLANDS
- ONLY EXISTING FEATURES WITHIN THE LOC IDENTIFIED WITH REMOVE BY CONTRACTOR OR BY OTHER METHODS ARE TO BE REMOVED OR DISTURBED.

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 - SAW CUTTING, 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

- EXISTING PAVEMENT MARKINGS SHOWN ARE BASED ON PLANS FROM CONTRACT T201606121. CONTRACTOR SHALL FIELD VERIFY EXISTING PAVEMENT MARKING LOCATION AND REPLACE EXISTING EDGE LINE STRIPING WITH PROPOSED BBRT LANE STRIPING.

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.
- WHERE A PEDESTRIAN CONNECTION IS PROPOSED AND NO CURB TYPE IS IDENTIFIED, THE CONTRACTOR SHALL MATCH EXISTING CURB TYPE.

PROJECT NOTES (CONT.)

MISCELLANEOUS

12. EXISTING RIGHT OF WAY SHOWN IS BASED ON INFORMATION FROM CONTRACT T201606121 - PAVEMENT & REHABILITATION NORTH XXI, FY-2016 US 13 (DUPONT PARKWAY).

13. 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.

14. 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.

PENNONI ASSOCIATES, INC. SHEETS: 01-GENERAL NOTES
 PROJECT NO: 2024-01-01 DATE PLOTTED: 12-FEB-2024 @ 11:00
 USER: J. GRAY OFFICE LOCATION: SUFFERCAMER



ADDENDA / REVISIONS

NOT TO SCALE

US 13 SOUTHBOUND BBRT LANE

CONTRACT
T202201102
COUNTY
NEW CASTLE

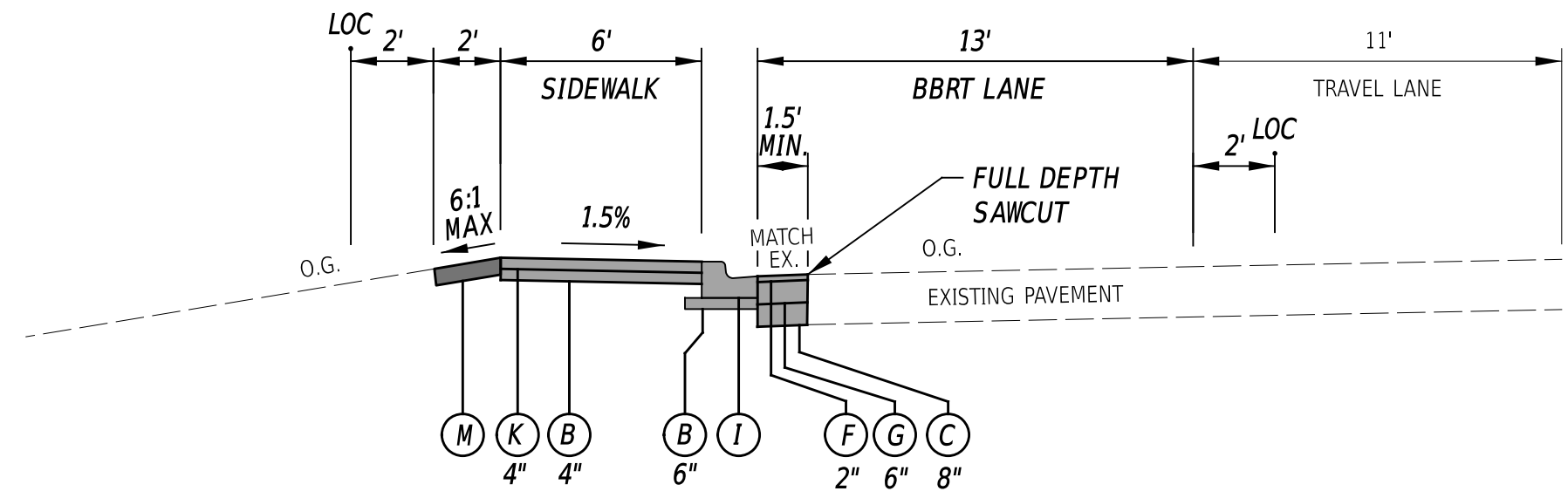
BRIDGE NO.
DESIGNED BY:
CHECKED BY:

N/A
A. MORJANA
J. GRAY

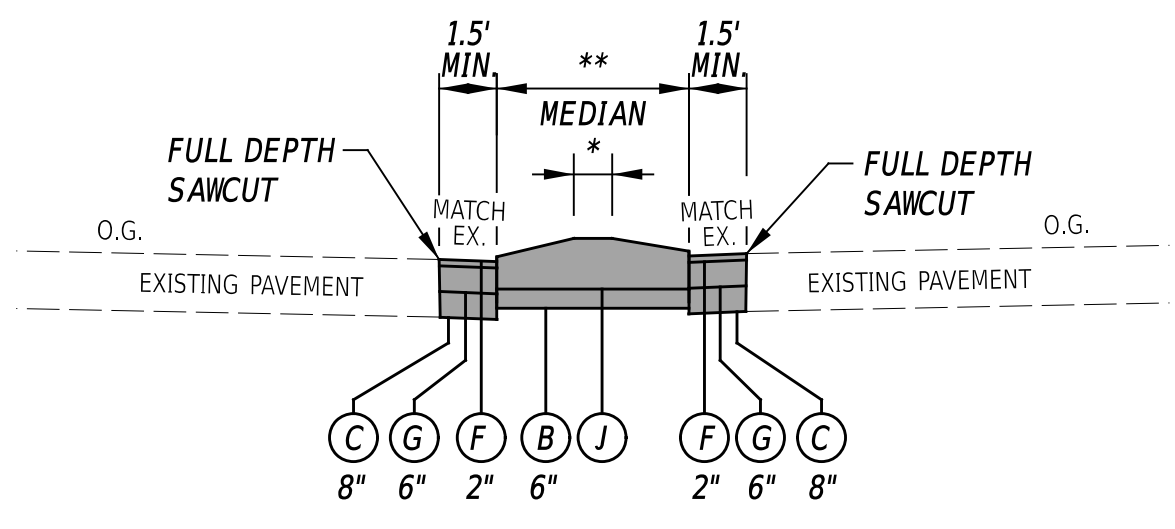
NOTES

SECTION
PAI
SHEET NO.
5

REV. TABLE: SUPERBASS
 PENNONI ASSOCIATES, INC. RELEASE: SUPERBASS
 MICROSTATION VERSION: 22.1 JAN 2025 @ 12:35 DATE PLOTTED:
 MICROSTATION WORKSPACE: WORKSPACES USER NAME: SUSERS OFFICE LOCATION: SOFFICE/NAME



**US 13 DUPONT PARKWAY SB (N033) AT MEMORIAL DRIVE
 STATION 1037+07 TO STATION 1037+40**

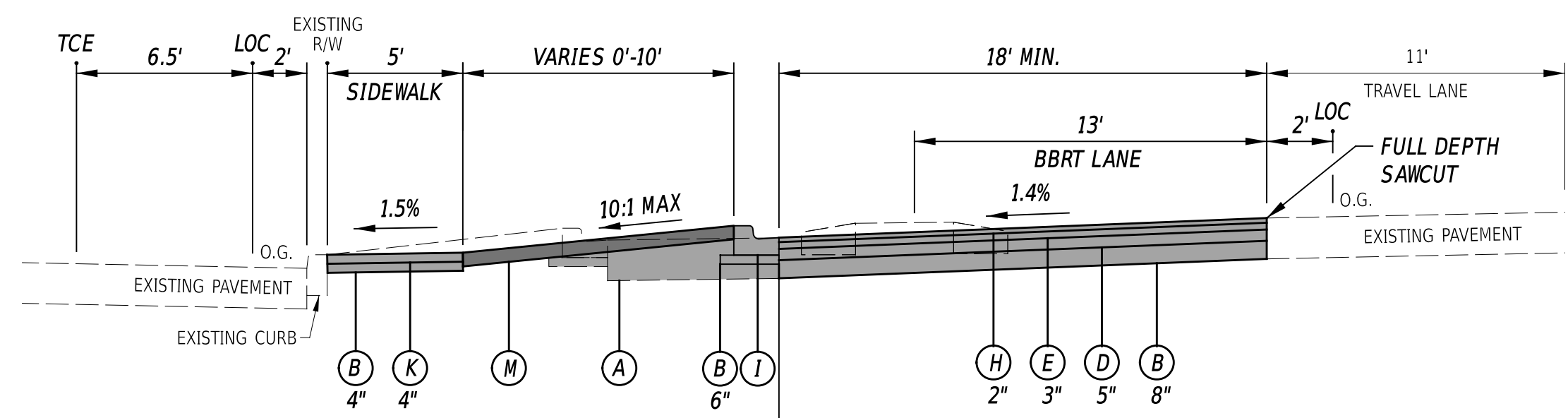


**CONC. MEDIAN PAVEMENT PATCH DETAIL AT
 BACON AVE, MEMORIAL DR., AND HESSLER BLVD.**

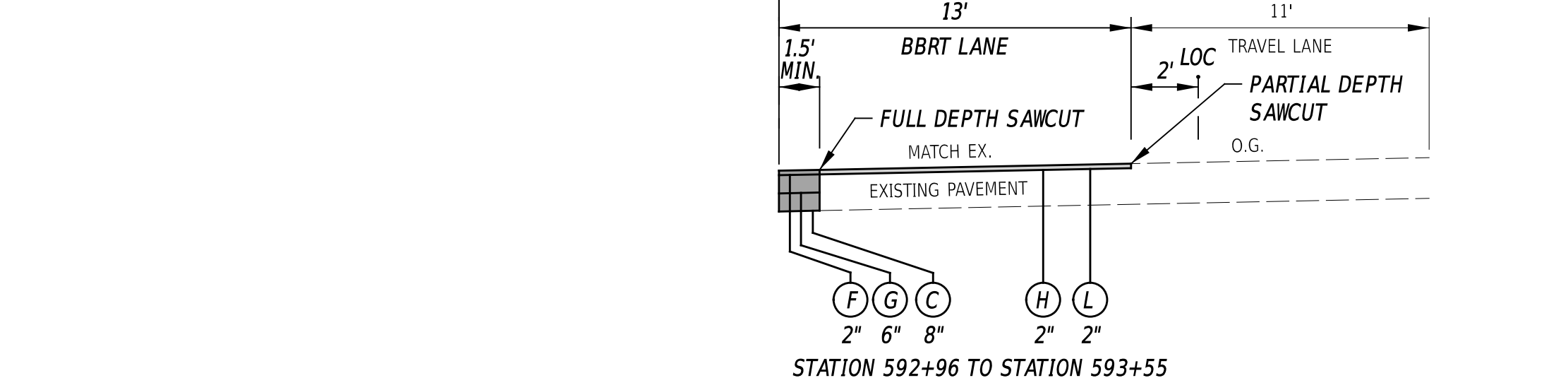
LEGEND

- (A) ITEM 209006 - BORROW, TYPE F
- (B) ITEM 301001 - GABC
- (C) ITEM 301002 - GABC, PATCHING
- (D) ITEM 401014 - SUPERPAVE TYPE B, PG 64-22
- (E) ITEM 401016 - SUPERPAVE TYPE B, PG 76-22
- (F) ITEM 401029 - SUPERPAVE TYPE C, PG 64-22 PATCHING
- (G) ITEM 401030 - SUPERPAVE TYPE B, PG 64-22 PATCHING
- (H) ITEM 401046 - SUPERPAVE TYPE C, PG 76-22 (NON-CARBONATE STONE)
- (I) ITEM 701022 - I.P.C.C. CURB & GUTTER, TYPE 3-6
- (J) ITEM 701026 - P.C.C. MONOLITHIC MEDIAN
- (K) ITEM 705001 - P.C.C. SIDEWALK, 4"
- (L) ITEM 760010 - PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT
- (M) ITEM 908004 - TOPSOIL, 6" DEPTH
 ITEM 908014 - PERMANENT GRASS SEEDING, DRY GROUND

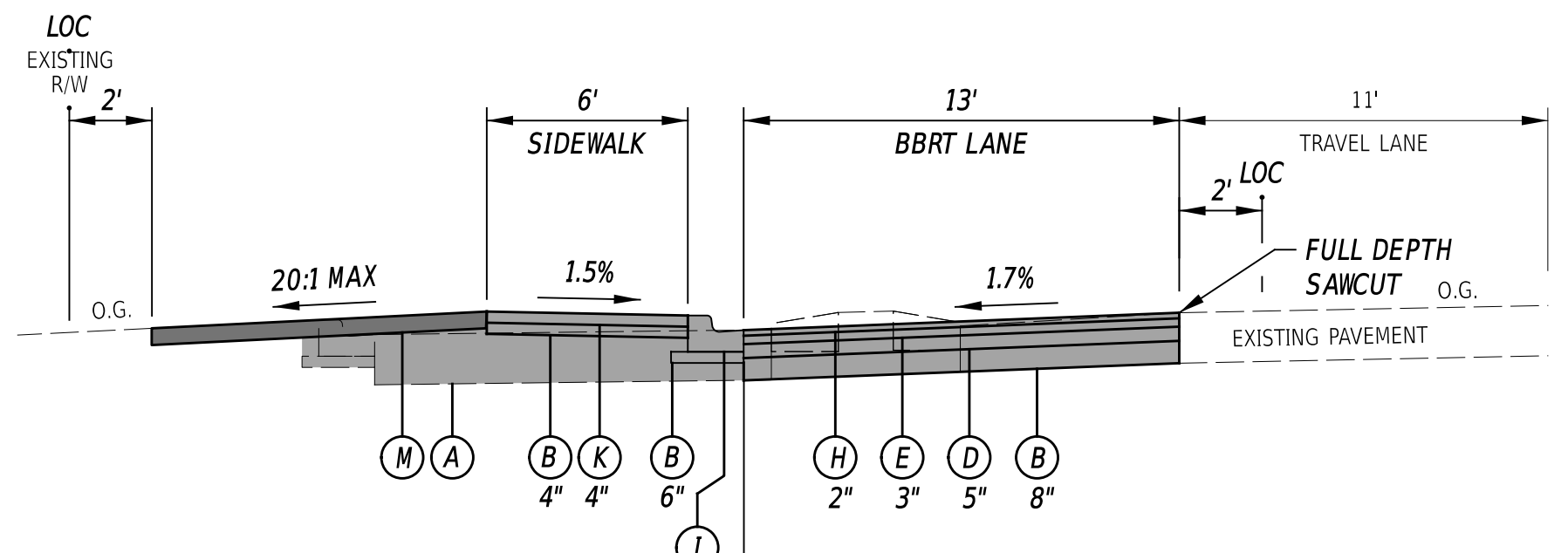
MATERIAL TYPE	BINDER GRADE	LIFT THICKNESS	
		MINIMUM	MAXIMUM
TYPE C (4.75 MM MIX)	ALL	0.5	1.0
TYPE C (9.5 MM MIX)	ALL	1.25	2.0
TYPE C (12.5 MM MIX)	ALL	1.5	2.0
TYPE B (19 MM MIX)	76-22, 70-22	2.25	4.0
TYPE B (19 MM MIX)	64-22	2.25	6.0
TYPE BCBC (25 MM MIX)	64-22	3.0	6.0
GABC	-	4.0	8.0



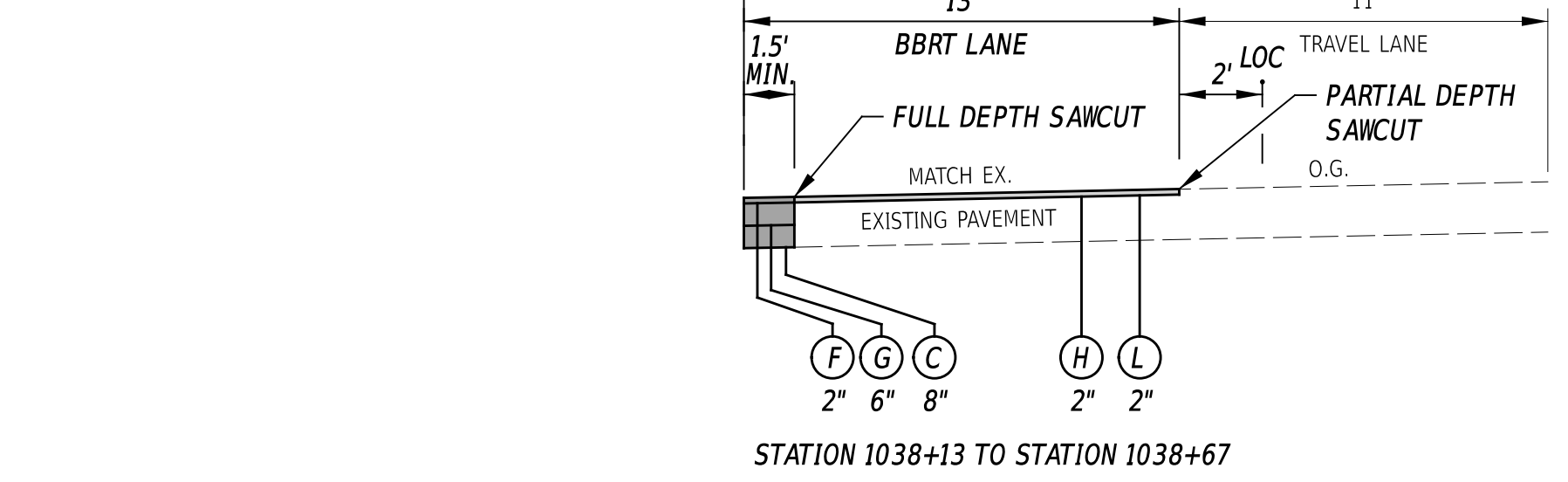
STATION 592+65 TO STATION 592+96



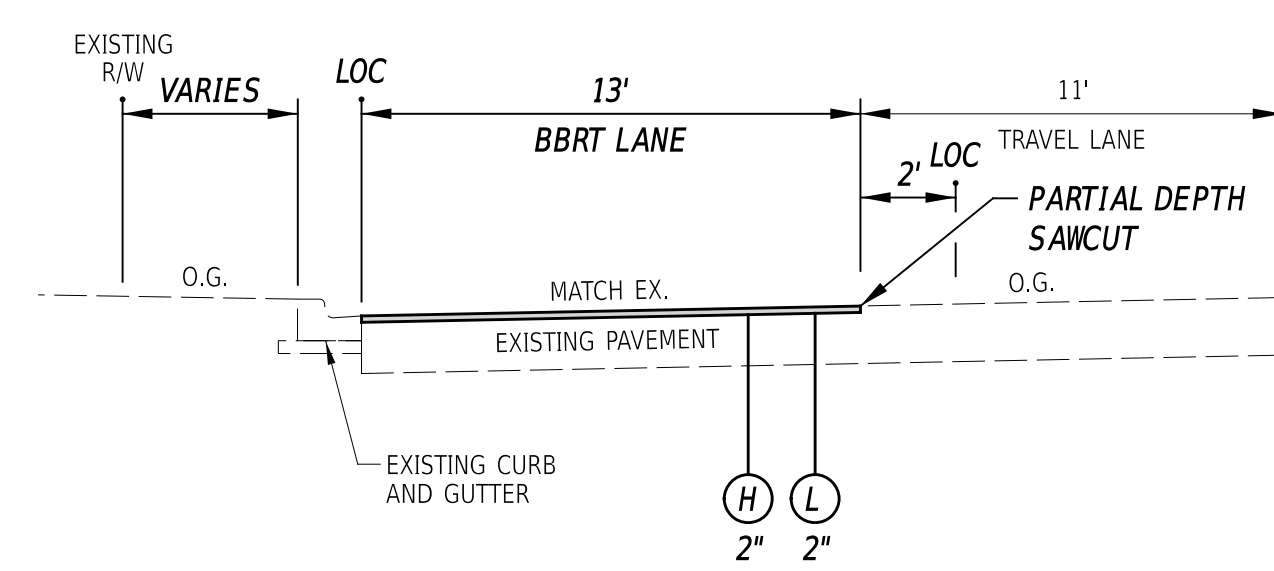
STATION 592+96 TO STATION 593+55



STATION 1037+96 TO STATION 1038+13

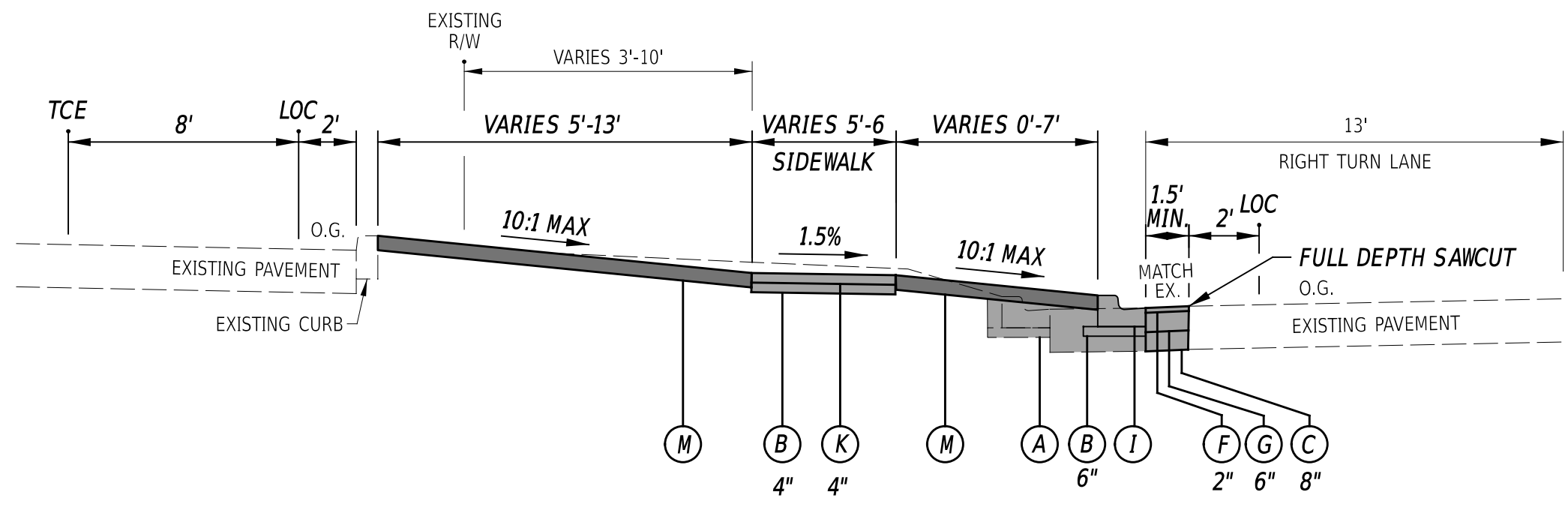


STATION 1038+13 TO STATION 1038+67

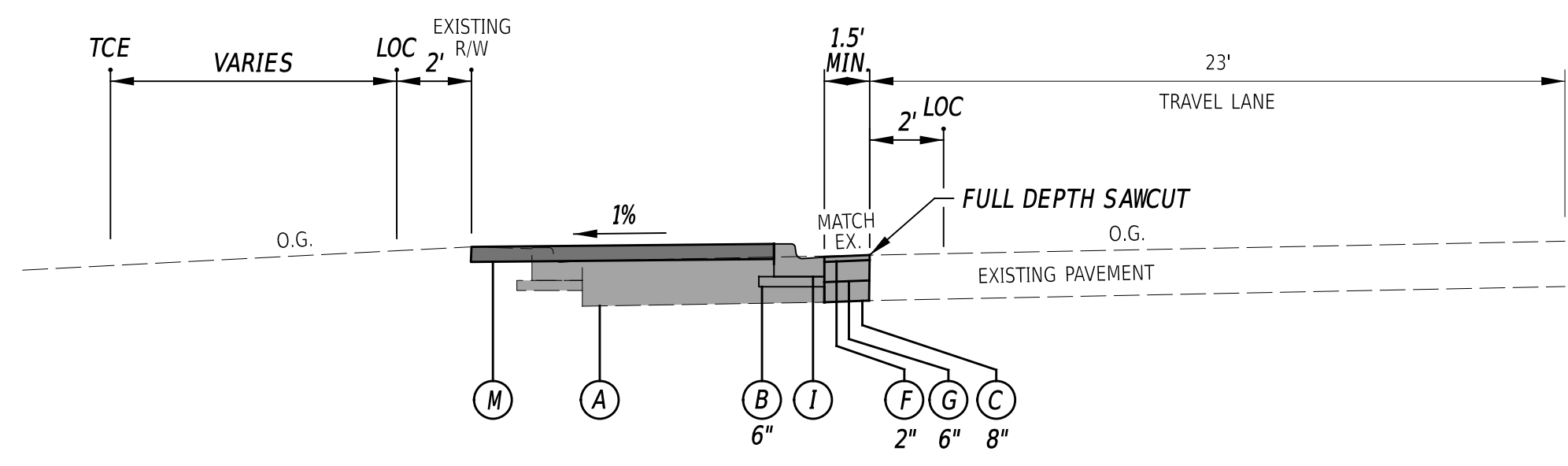


**US 13 DUPONT PARKWAY SB (N033) AT BACON AVENUE
 STATION 592+65 TO STATION 593+55**

**US 13 DUPONT PARKWAY SB (N033) AT MEMORIAL DRIVE
 STATION 1037+96 TO STATION 1038+67**



**BACON AVENUE WB
 STATION 592+50 TO STATION 592+65**

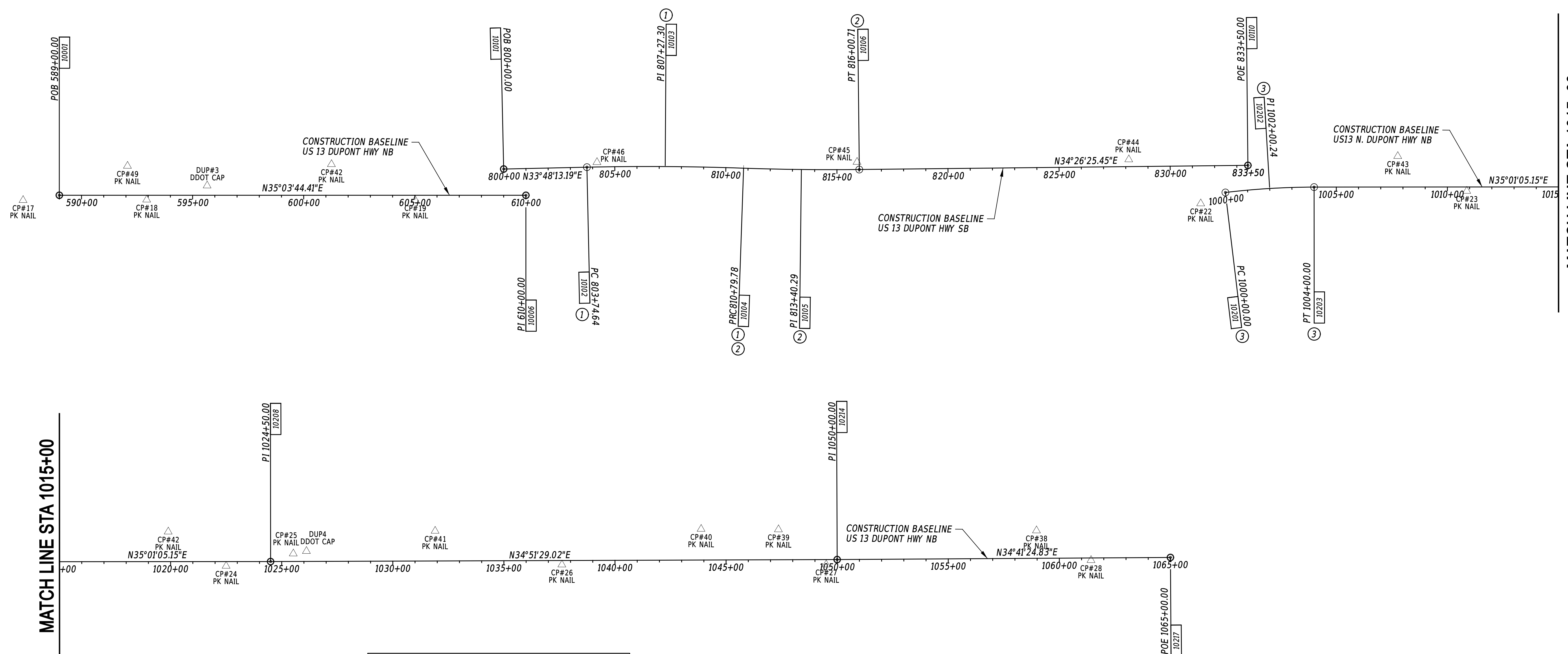
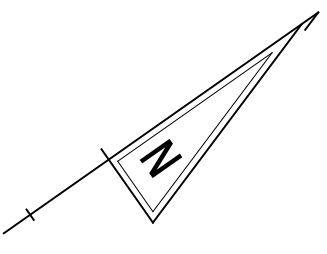


**MEMORIAL DRIVE WB
 STATION 1037+91 TO STATION 1037+96**

- US 13 DUPONT PARKWAY SB (N033)**
- STATION 593+55 TO STATION 594+84
 - STATION 596+74 TO STATION 597+98
 - STATION 599+77 TO STATION 600+89
 - STATION 603+03 TO STATION 604+19
 - STATION 606+61 TO STATION 607+55
 - STATION 825+22 TO STATION 826+47
 - STATION 1000+30 TO STATION 1001+42
 - STATION 1029+03 TO STATION 1030+46
 - STATION 1038+67 TO STATION 1042+80
 - STATION 1045+83 TO STATION 1049+38

- NOTES:**
- EXISTING US 13 (DUPONT PARKWAY) SHOULDER PAVEMENT SECTION (PER ARCHIVED CONTRACT T200800708):
 - 2" HOT-MIX
 - 9" BITUMINOUS CONCRETE BASE COURSE
 - EXISTING US 13 (DUPONT PARKWAY) PAVEMENT SECTION (PER ARCHIVED CONTRACT T200800708):
 - VARIABLE DEPTH ASPHALT (AVERAGE DEPTH 8")
 - 8" PCC PAVEMENT

ADDENDA / REVISIONS	NOT TO SCALE	US 13 SOUTHBOUND BBRt LANE	CONTRACT T202201102	BRIDGE NO. N/A	SECTION PAI
			COUNTY NEW CASTLE	DESIGNED BY: A. MORJANA	TYPICAL SECTIONS
				CHECKED BY: J. GRAY	SHEET NO. 6



MATCH LINE STA 1015+00

MATCH LINE STA 1015+00

CIRCULAR CURVE NO. ①			
Element: Circular	STATION	NORTHING	EASTING
PC (10102)	803+74.64	617322.1133	610876.8716
PI (10103)	807+27.30	617615.1607	611073.0769
CC (10111)		610367.7541	621263.7329
PRC (10104)	810+79.78	617896.6797	611285.4926
Radius:		12500.00'	
Delta:		3°13'55.73" Right	
Degree of Curvature (Arc):		0°27'30.12"	
Length:		705.15'	
Tangent:		352.67'	
Chord:		705.05'	
Middle Ordinate:		4.97'	
External:		4.97'	
Tangent Direction:		N 33°48'13.19" E	
Radial Direction:		S 56°11'46.81" E	
Chord Direction:		N 35°25'11.05" E	
Radial Direction:		S 52°57'51.09" E	
Tangent Direction:		N 37°02'08.91" E	

CIRCULAR CURVE NO. ②			
Element: Circular	STATION	NORTHING	EASTING
PRC (10104)	810+79.78	617896.6797	611285.4926
PI (10105)	813+40.29	618104.6343	611442.4015
CC (10112)		624823.2912	602105.5114
PT (10106)	816+00.71	618319.4809	611589.7326
Radius:		11500.00'	
Delta:		2°35'43.46" Left	
Degree of Curvature (Arc):		0°29'53.61"	
Length:		520.93'	
Tangent:		260.51'	
Chord:		520.89'	
Middle Ordinate:		2.95'	
External:		2.95'	
Tangent Direction:		N 37°02'08.91" E	
Radial Direction:		S 52°57'51.09" E	
Chord Direction:		N 35°44'17.18" E	
Radial Direction:		S 55°33'34.55" E	
Tangent Direction:		N 34°26'25.45" E	

CIRCULAR CURVE NO. ③			
Element: Circular	STATION	NORTHING	EASTING
PC (10201)	1000+00.00	619609.0816	612620.8033
PI (10202)	1002+00.24	619785.5624	612715.4042
CC (10218)		618022.6121	615580.4111
PT (10203)	1004+00.00	619949.5505	612830.3071
Radius:		3358.00'	
Delta:		6°49'29.96" Right	
Degree of Curvature (Arc):		1°42'22.49"	
Length:		400.00'	
Tangent:		200.24'	
Chord:		399.76'	
Middle Ordinate:		5.95'	
External:		5.96'	
Tangent Direction:		N 28°11'35.19" E	
Radial Direction:		S 61°48'24.81" E	
Chord Direction:		N 31°36'20.17" E	
Radial Direction:		S 54°58'54.85" E	
Tangent Direction:		N 35°01'05.15" E	

HORIZONTAL / VERTICAL CONTROL DATA					
POINT NO.	STATION	OFFSET	NORTHING	EASTING	ELEV.
CP17	N/A	N/A	615158.7649	609541.7708	67.70
CP49	592+06.71	-130.89	615631.9944	609685.4606	65.13
CP18	592+93.26	21.28	615615.4205	609859.7279	64.72
DUP3	595+65.16	-42.49	615874.6110	609963.7279	62.74
CP47	601+24.79	-138.50	616387.8443	610206.6328	67.37
CP19	605+01.49	23.21	616603.2789	610555.4024	68.75
CP46	804+20.22	-20.31	617371.3069	610885.4677	61.85
CP45	815+90.79	-32.90	618329.9319	611557.0004	67.78
CP44	828+14.10	-31.05	619337.7399	612250.3501	57.17
CP22	831+35.58	170.68	619488.7770	612598.5378	67.07
CP43	1007+76.67	-137.95	620337.1944	612933.4736	76.09
CP23	1010+87.17	19.11	620501.3532	613240.2804	70.39
CP42	1019+89.31	-134.60	621328.3903	613632.0729	68.74
CP24	1022+49.83	19.93	621453.0687	613908.1294	70.77
CP25	1025+52.25	-35.18	621732.4482	614036.2417	71.84
DUP4	1026+11.54	-46.21	621787.4061	614061.0779	71.46
CP41	1031+90.90	-134.98	622313.5437	614319.3687	50.37
CP26	1037+61.03	18.67	622693.5679	614771.3006	44.68
CP40	1043+88.09	-139.39	623298.4506	614999.9925	40.05
CP39	1047+36.27	-136.39	623582.4445	615201.4578	33.40
CP27	1049+50.34	22.31	623667.3971	615454.0300	26.32
CP38	1058+97.92	-124.87	624530.2725	615872.4783	6.05
CP28	1061+42.49	10.47	624654.3414	616122.9520	6.18

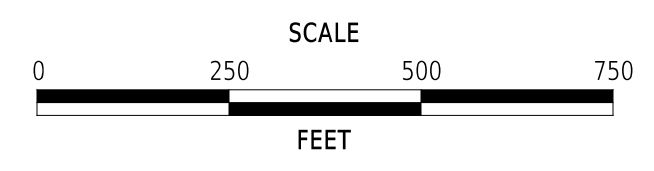
CONSTRUCTION ALIGNMENT CONTROL				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
10001	589+00.00	0.00	615305.7527	609616.3992
10002	590+00.00	0.00	615387.6055	609673.8459
10003	595+00.00	0.00	615796.8692	609961.0796
10004	600+00.00	0.00	616206.1330	610248.3132
10005	605+00.00	0.00	616615.3968	610535.5469
10006	610+00.00	0.00	617024.6567	610822.7779
10101	800+00.00	0.00	617010.8089	610668.4426
10107	820+00.00	0.00	618648.7785	611815.5487
10108	825+00.00	0.00	619061.1359	612098.3230
10109	830+00.00	0.00	619473.4934	612381.0974
10110	833+50.00	0.00	619762.1436	612579.0395
10204	1005+00.00	0.00	620031.4476	612887.6906
10205	1010+00.00	0.00	620440.9330	613174.6082
10206	1015+00.00	0.00	620850.4184	613461.5258
10207	1020+00.00	0.00	621259.9038	613748.4434
10208	1024+50.00	0.00	621628.4407	614006.6692
10209	1025+00.00	0.00	621669.4692	614035.2464
10210	1030+00.00	0.00	622079.7545	614321.0191
10211	1035+00.00	0.00	622490.0397	614606.7918
10212	1040+00.00	0.00	622900.3249	614892.5645
10213	1045+00.00	0.00	623310.6102	615178.3372
10214	1050+00.00	0.00	623720.8954	615464.1099
10215	1055+00.00	0.00	624132.0159	615748.6796
10216	1060+00.00	0.00	624543.1365	616033.2492
10217	1065+00.00	0.00	624954.2570	616317.8189

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).

REVISED: 10/20/20
 DATE PLOTTED: 10/20/20
 USER NAME: SUSERS
 OFFICE LOCATION: SOFFICE/NAME



ADDENDA / REVISIONS



US 13 SOUTHBOUND BBRT LANE

CONTRACT	BRIDGE NO.	N/A
T202201102	DESIGNED BY:	A. MORJANA
COUNTY	CHECKED BY:	J. GRAY
NEW CASTLE		

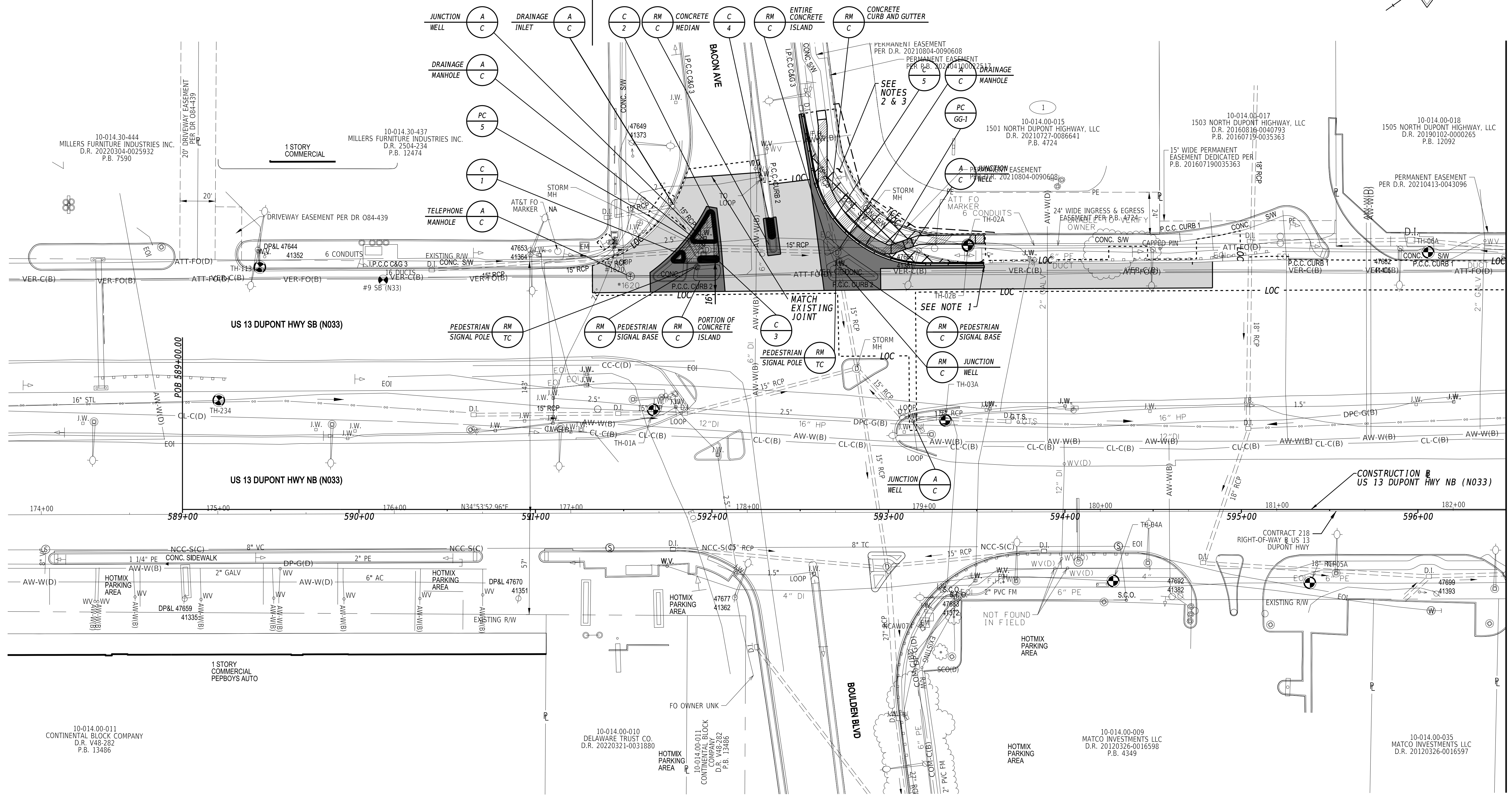
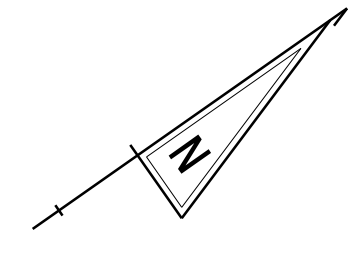
HORIZONTAL AND VERTICAL CONTROL

SECTION	PAI
SHEET NO.	7

PENNONI ASSOCIATES, INC.
 REV. TABLE: SHEETWORK
 PROJECT NO.: 20220326-0016598
 DATE PLOTTED: 3/6/2024 09:22
 USER NAME: SUSPERS OFFICE LOCATION: SUFFOLK COUNTY
 MICROSTATION VERSION: 2024
 MICROSTATION WORKSPACE: SWORKSPACES



CONTRACT T201901102
 CONTRACT T202201102



MATCH LINE STA 596+50

ROADWAY CORE SCHEDULE			
NO.	STATION	OFFSET	DESCRIPTION
#9 SB (N33)	590+13.69	130.04' LT	7.75" HMA OVER 3+" BIG STONE

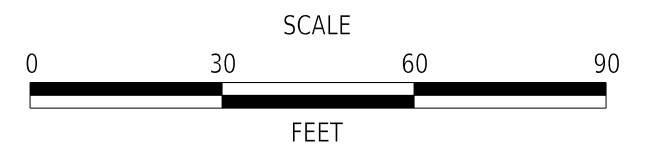
CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
1*	PCC CURB, TYPE 2	25.00'
2*	PCC CURB, TYPE 2	57.50'
3*	PCC CURB, TYPE 2	29.50'
4	PCC MONOLITHIC MEDIAN	12.00'
5**	1. PCC CURB AND GUTTER, 3-6	133.00'

* THE COST FOR CONSTRUCTING THIS CURB IS INCIDENTAL TO ITEM 702000 - TRIANGULAR CHANNELIZING ISLANDS
 ** CURB RUN LENGTH SHOWN IN THE SCHEDULE EXCLUDES CURB PAID INCIDENTAL TO PEDESTRIAN CONNECTION ITEMS.

UTILITY TEST HOLE SCHEDULE						
NO.	UTILITY	NORTHING	EASTING	ELEVATION	COVER	O.D. & MATERIAL
TH-113	DP-G	615420.49	609529.19	67.13	2.91	1.5" WRAPPED STEEL
TH-234	DPC-G	615358.12	609577.58	65.64	4.88	18" WRAPPED STEEL
TH-01A	DPC-G	615556.48	609723.46	65.15	11.60	STEEL CASING
TH-02A	UNK-FO	615756.09	609749.44	64.63	3.75	1" POLYETHYLENE
TH-02B	DP-G	615755.84	609749.81	64.67	2.98	7" POLYETHYLENE
TH-03A	DPC-G	615688.61	609823.43	64.42	10.04	STEEL CASING
TH-04A	AW-W	615714.13	609952.52	64.95	5.04	5" DUCTILE IRON
TH-05A	DP-G	615804.72	610017.36	63.57	4.03	7" POLYETHYLENE
TH-06A	DP-G	615967.22	609902.52	62.69	4.02	7" POLYETHYLENE

- NOTES:**
- TRANSITION CURB HEIGHT TO FLUSH WITH THE ASPHALT PAVEMENT SURFACE AT THE END OF THE PROPOSED CURB AND GUTTER RUN ON US 13 SB.
 - THERE IS CURRENTLY ACTIVE COORDINATION BETWEEN DELDOT CONTRACT T202201102 AND NEW CASTLE COUNTY SUBDIVISION LAND DEVELOPMENT PROJECT NO. 19.162.00 (APPLICATION NO. 2021-0488) AT THE FOLLOWING PROPERTY ADDRESS: 1501 N. DUPONT HIGHWAY NEW CASTLE, DE 19720.
 - CONTRACTOR IS RESTRICTED FROM ENCRANCHING UPON DRIVE THROUGH DURING BUSINESS OPERATIONAL HOURS FOR PARCEL 10-014.00-015.

ADDENDA / REVISIONS

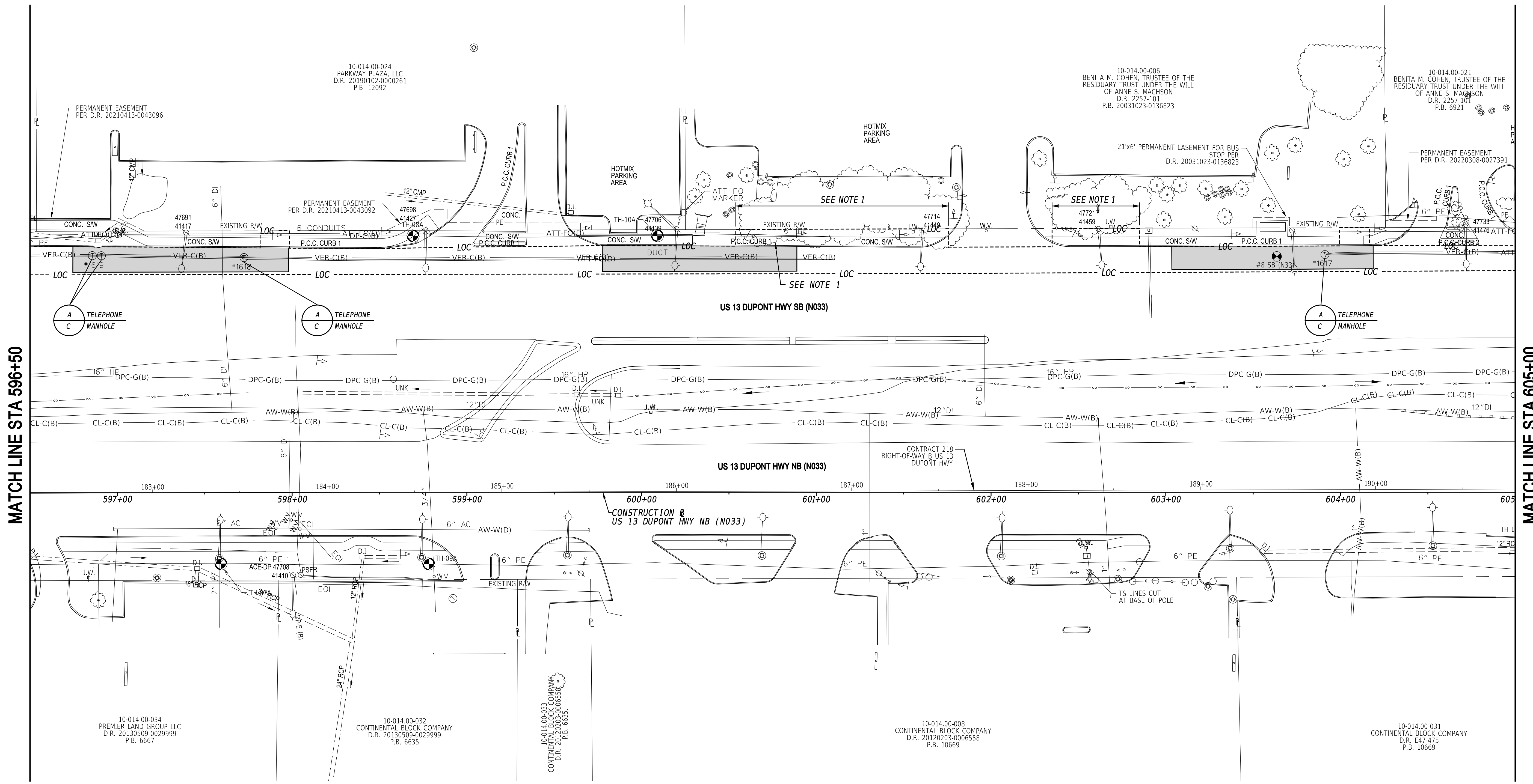
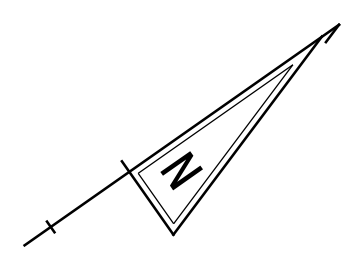


US 13 SOUTHBOUND BBRT LANE

CONTRACT	T202201102	BRIDGE NO.	N/A
COUNTY	NEW CASTLE	DESIGNED BY:	A. MORJANA
		CHECKED BY:	J. GRAY

CONSTRUCTION PLAN

CP-01
SECTION
PAI
SHEET NO.
8



MATCH LINE STA 596+50

MATCH LINE STA 605+00

ROADWAY CORE SCHEDULE			
NO.	STATION	OFFSET	DESCRIPTION
#8 SB (N33)	603+63.52	135.06' LT	4" HMA OVER 8.75" PCC AND 8+" SELECT

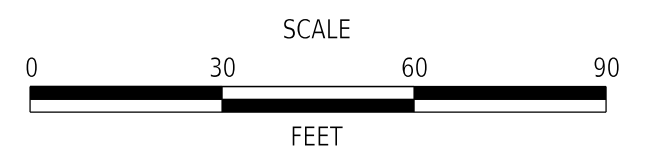
UTILITY TEST HOLE SCHEDULE						
NO.	UTILITY	NORTHING	EASTING	ELEVATION	COVER	O. D. & MATERIAL
TH-07A	DP-G	615985.57	610143.52	63.28	3.57	2.5" POLYETHYLENE
TH-08A	DP-G	616183.40	610053.02	65.11	4.62	7" POLYETHYLENE
TH-09A	DP-G	616082.88	610211.93	64.26	3.84	7" POLYETHYLENE
TH-10A	DP-G	616297.91	610133.20	67.88	4.20	7" POLYETHYLENE

NOTE:
 1. TRIM EXISTING TREE BRANCHES OVERHANGING PROPOSED US 13 SOUTHBOUND BBRT LANE AND THE EXISTING PEDESTRIAN PATH TO ACHIEVE THE REQUIRED VERTICAL CLEARANCE IN ACCORDANCE WITH SECTION 201 OF THE DELDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, DATED JANUARY 2024.

PENNONI ASSOCIATES, INC. SHEETS: SUPERBAYS
 REV. TABLE: 24 JUN 2024 @ 14:34
 DATE PLOTTED: 24 JUN 2024 @ 14:34
 USER NAME: SUSERS OFFICE LOCATION: SOFFICE/AMRES
 MICROSTATION VERSION: SUPERBAYS
 MICROSTATION WORKSPACE: SWORKSPACES



ADDENDA / REVISIONS

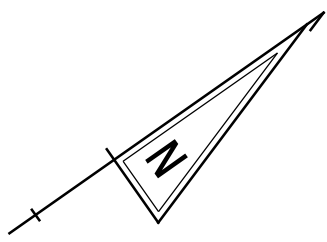


US 13 SOUTHBOUND BBRT LANE

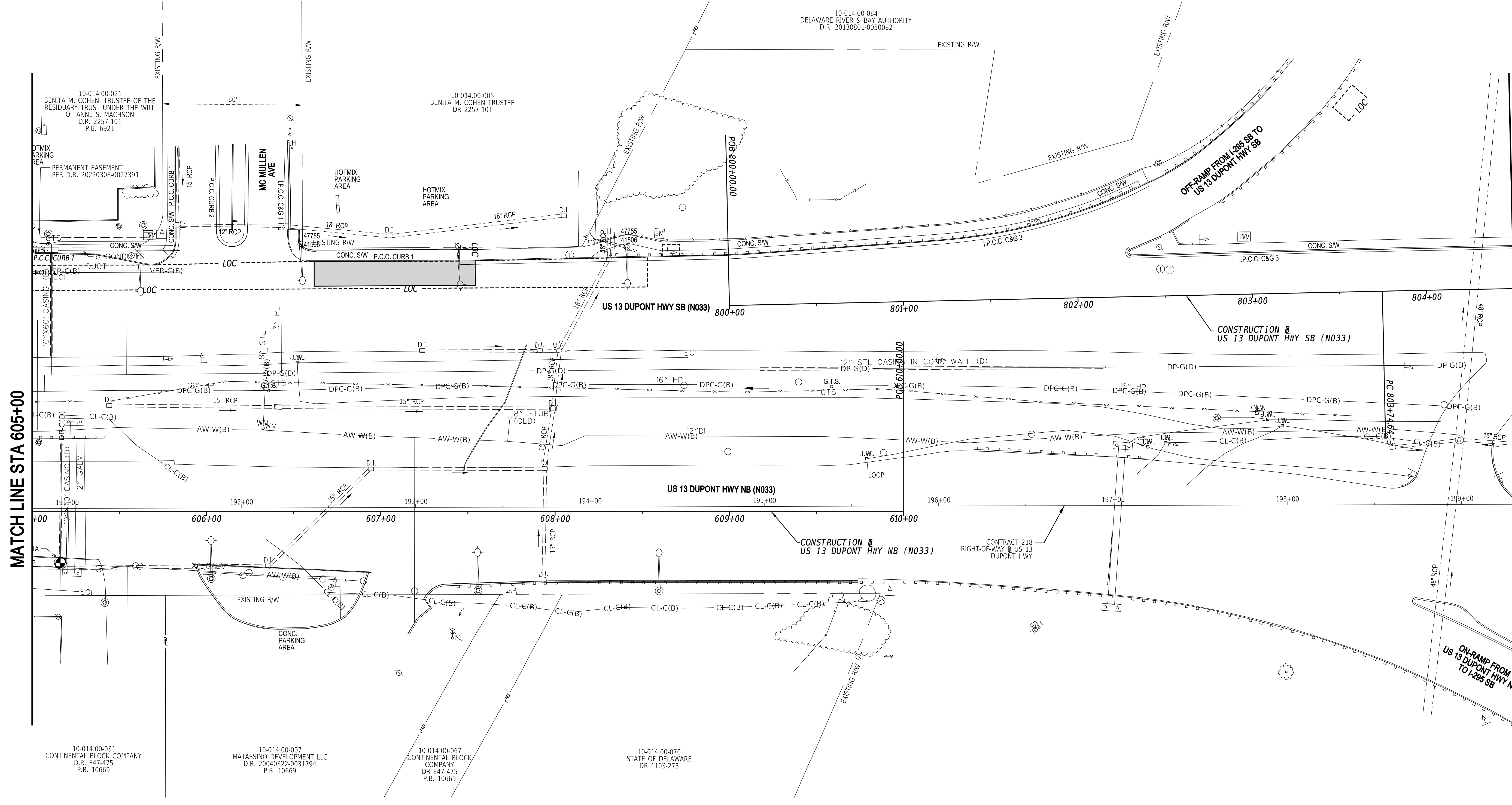
CONTRACT	BRIDGE NO.	N/A
T202201102	DESIGNED BY:	A. MORJANA
COUNTY	CHECKED BY:	J. GRAY
NEW CASTLE		

CONSTRUCTION PLAN

SECTION	CP-02
PAI	
SHEET NO.	9



10-014.00-084
DELAWARE RIVER & BAY AUTHORITY
D.R. 20130801-0050082

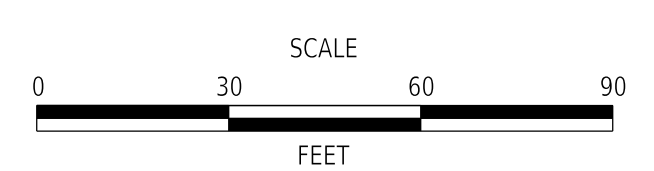


UTILITY TEST HOLE SCHEDULE						
NO.	UTILITY	NORTHING	EASTING	ELEVATION	COVER	O.D. & MATERIAL
TH-11A	DP-G	616611.83	610568.87	69.29	4.74	10" UNKNOWN

REV. TABLE: SHEETS
 DATE PLOTTED: 24 JUN 2024 @ 14:34
 USER NAME: SUSERS OFFICE LOCATION: SOFFICE/AMERS



ADDENDA / REVISIONS

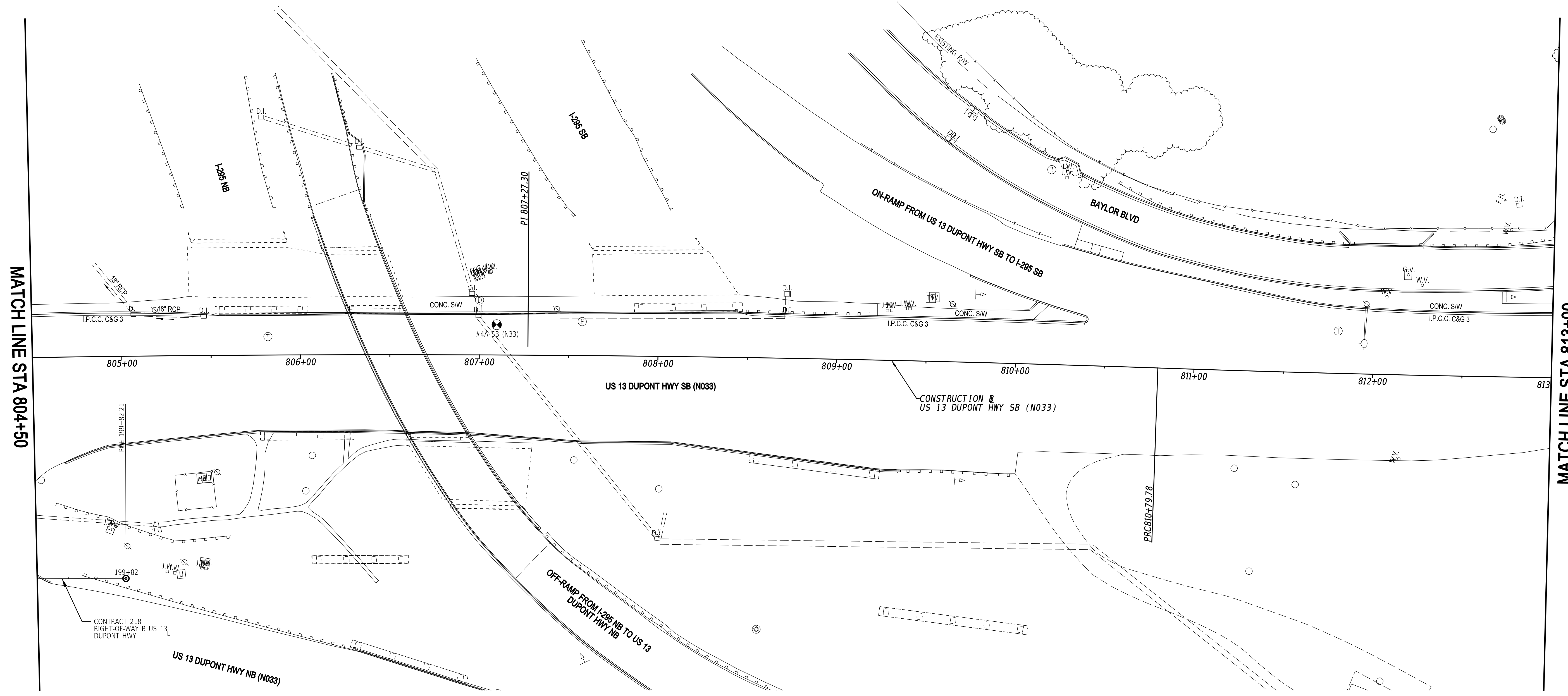
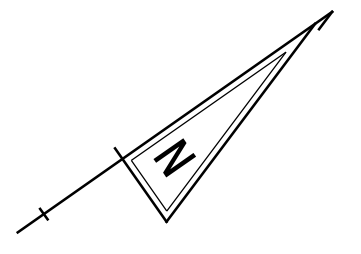


US 13 SOUTHBOUND BBRT LANE

CONTRACT	BRIDGE NO.	1-665
T202201102	DESIGNED BY:	A. MORJANA
COUNTY	CHECKED BY:	J. GRAY
NEW CASTLE		

CONSTRUCTION PLAN

CP-03
SECTION
PAI
SHEET NO.
10

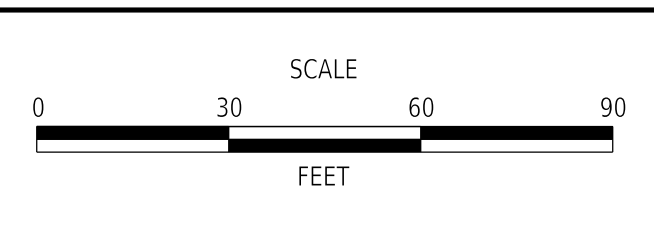


ROADWAY CORE SCHEDULE			
NO.	STATION	OFFSET	DESCRIPTION
#4A SB (N33)	807+09.68	16.96' LT	15.5" HMA OVER 3+\" CRUSHED CONCRETE

PENNONI ASSOCIATES, INC.
 REV. TABLE: SUPERBAYS
 PENNONI ASSOCIATES, INC.
 DATE PLOTTED: 24 JUN 2024 @ 14:34
 MICROSTATION VERSION: SUPERBAYS
 USER NAME: SUSERS OFFICE LOCATION: SOFFICEAMNES
 MICROSTATION WORKSPACE: SWORKSPACES



ADDENDA / REVISIONS	



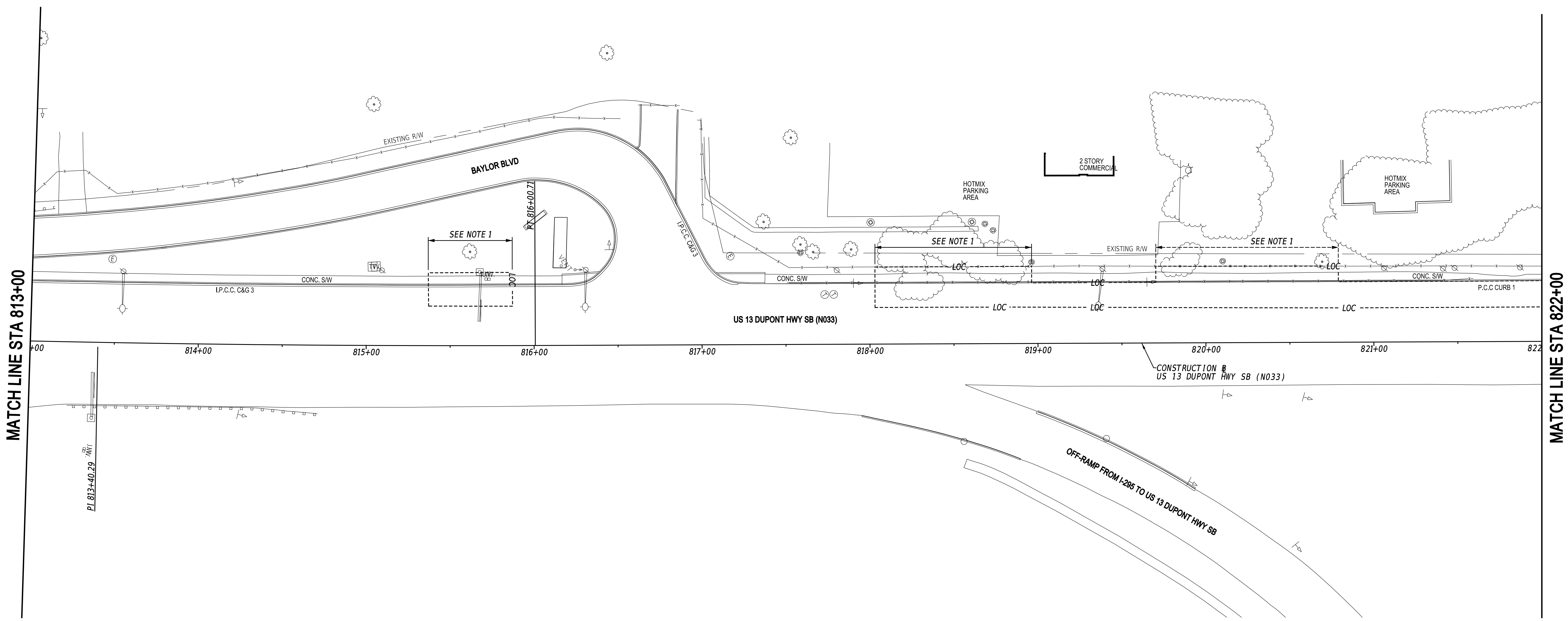
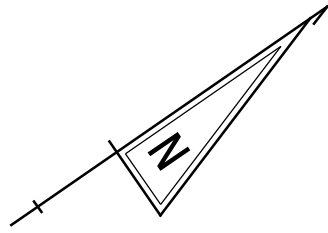
US 13 SOUTHBOUND BBR T LANE

CONTRACT	BRIDGE NO.	N/A
T202201102	DESIGNED BY:	A. MORJANA
COUNTY	CHECKED BY:	J. GRAY
NEW CASTLE		

CONSTRUCTION PLAN		SECTION
		PAI
SHEET NO.		11

CP-04

PENNONI ASSOCIATES, INC.
 REV. TABLE: SUPERBUSES
 PROJECT NO.: T202201102
 MICROSTATION VERSION: 241/UN/2024@ 1434
 DATE PLOTTED: 24 JUN 2024 @ 14:34
 USER NAME: SUSERS OFFICE LOCATION: SOFFICE@PENNONI.COM
 MICROSTATION WORKSPACE: SWORKSPACES

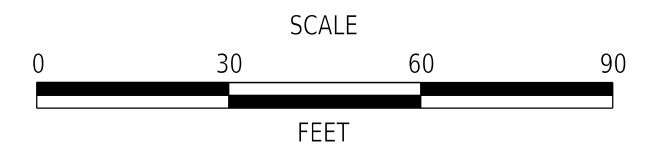


MATCH LINE STA 813+00

MATCH LINE STA 822+00

NOTE:
 1. TRIM EXISTING TREE BRANCHES OVERHANGING PROPOSED US 13 SOUTHBOUND BBR T LANE, EXISTING SHOULDER, AND THE EXISTING PEDESTRIAN PATH TO ACHIEVE THE REQUIRED VERTICAL CLEARANCE IN ACCORDANCE WITH SECTION 201 OF THE DELDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, DATED JANUARY 2024.

ADDENDA / REVISIONS

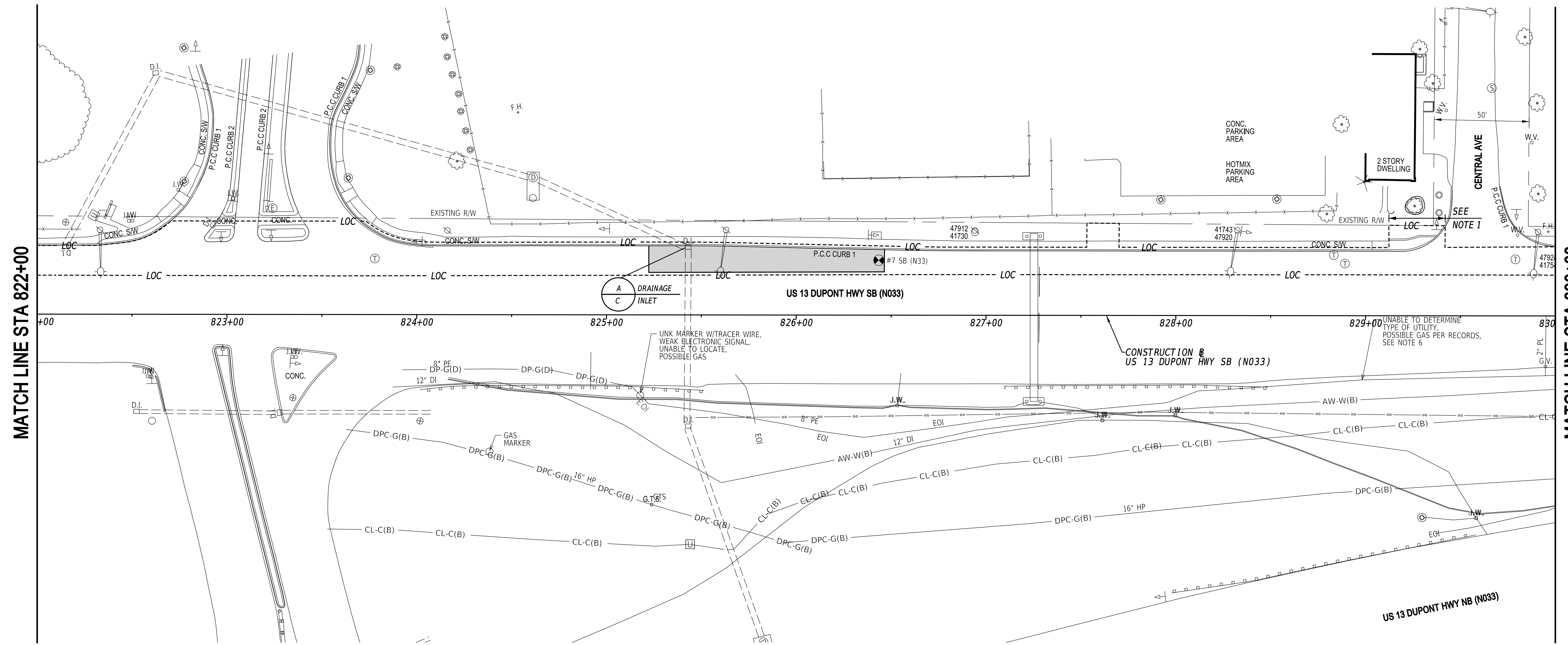
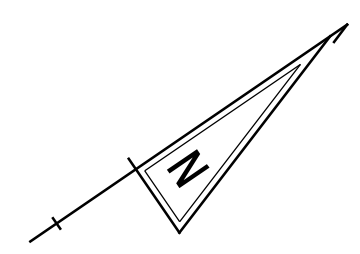


US 13 SOUTHBOUND BBR T LANE

CONTRACT	BRIDGE NO.	N/A
T202201102	DESIGNED BY:	A. MORJANA
COUNTY	CHECKED BY:	J. GRAY
NEW CASTLE		

CONSTRUCTION PLAN

CP-05
SECTION
PAI
SHEET NO.
12



MATCH LINE STA 822+00

MATCH LINE STA 830+00

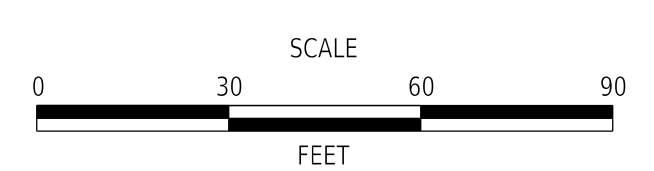
ROADWAY CORE SCHEDULE			
NO.	STATION	OFFSET	DESCRIPTION
#7 SB (N33)	826+43.45	28.92' RT	24" HMA OVER 3+" CLAY

NOTE:
 1. TRIM EXISTING TREE BRANCHES OVERHANGING PROPOSED US 13 SOUTHBOUND BBRT LANE AND THE EXISTING PEDESTRIAN PATH TO ACHIEVE THE REQUIRED VERTICAL CLEARANCE IN ACCORDANCE WITH SECTION 201 OF THE DELDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, DATED JANUARY 2024.

PENNONI ASSOCIATES, INC.
 REV. TABLE: SUPERBAYS
 PENNONI ASSOCIATES, INC.
 DATE PLOTTED: 24 JUN 2024 @ 14:34
 MICROSTATION VERSION: SUPERBAYS
 USER NAME: SUSERS OFFICE LOCATION: SOFFICE/AMRES
 MICROSTATION WORKSPACE: SWORKSPACES



ADDENDA / REVISIONS



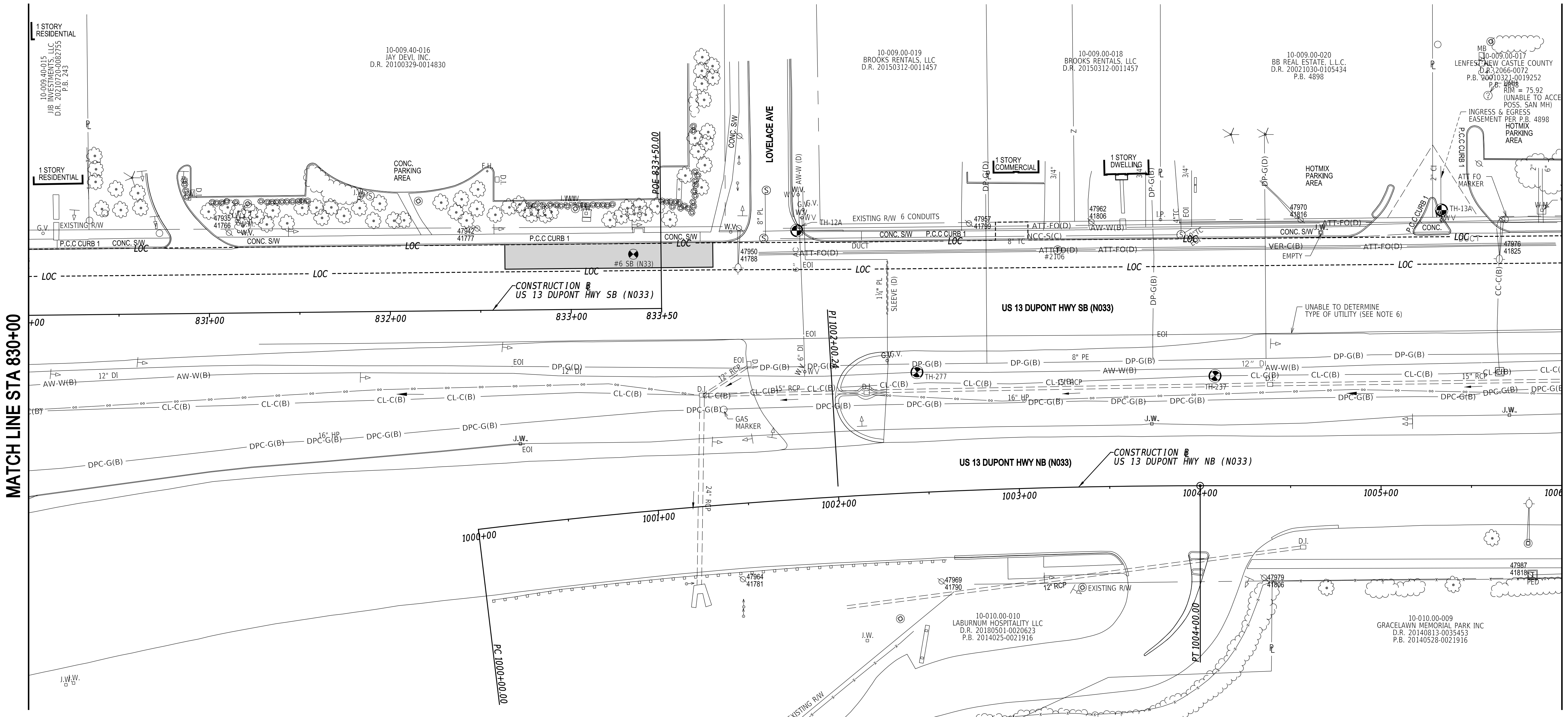
US 13 SOUTHBOUND BBRT LANE

CONTRACT	BRIDGE NO.	N/A
T202201102	DESIGNED BY:	A. MORJANA
COUNTY	CHECKED BY:	J. GRAY
NEW CASTLE		

CONSTRUCTION PLAN

CP-06
SECTION
PAI
SHEET NO.
13

PENNONI ASSOCIATES, INC.
 REV. TABLE: SHEETS/ISSUES
 DATE PLOTTED: 24 JUN 2024 @ 14:34
 USER NAME: SUSERS OFFICE LOCATION: SOFFICE/AMER
 MICROSTATION VERSION: SUPERVISION
 MICROSTATION WORKSPACE: WORKSPACES



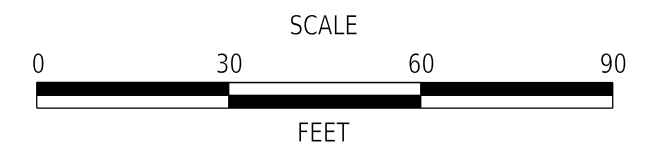
ROADWAY CORE SCHEDULE

NO.	STATION	OFFSET	DESCRIPTION
#6 SB (N33)	833+34.66	30.17' LT	22.5" HMA OVER 2+" SELECT

UTILITY TEST HOLE SCHEDULE

NO.	UTILITY	NORTHING	EASTING	ELEVATION	COVER	O.D. & MATERIAL
TH-12A	AW-W	619848.05	612586.68	69.90	2.51	7" CAST IRON
TH-13A	AW-W	620146.08	612781.99	75.70	3.47	2.5" CAST IRON
TH-237	CL-C	619991.16	612785.30	72.45	3.58	(10) 1.5" PE
TH-277	AW-W	619857.42	612688.98	70.74	3.85	13" DUCTILE IRON

ADDENDA / REVISIONS

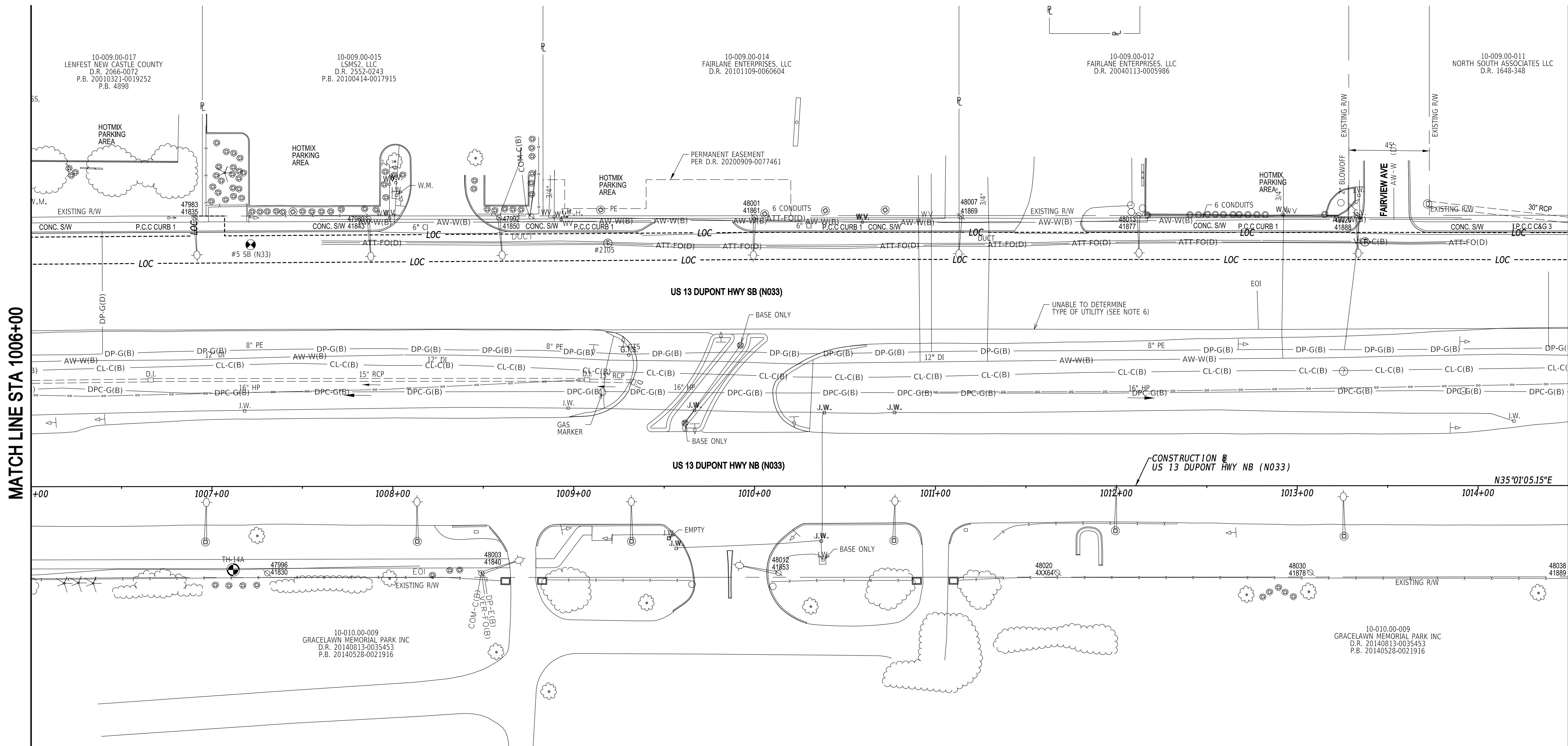
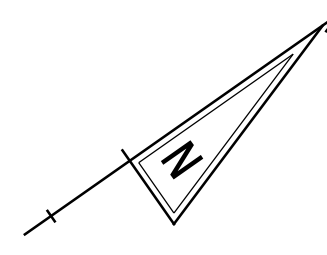


US 13 SOUTHBOUND BBRT LANE

CONTRACT	T202201102	BRIDGE NO.	N/A
COUNTY	NEW CASTLE	DESIGNED BY:	A. MORJANA
		CHECKED BY:	J. GRAY

CONSTRUCTION PLAN

CP-07
SECTION
PAI
SHEET NO.
14



MATCH LINE STA 1006+00

MATCH LINE STA 1014+50

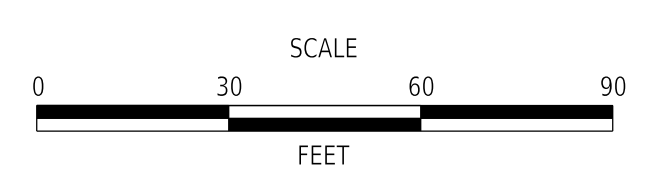
ROADWAY CORE SCHEDULE			
NO.	STATION	OFFSET	DESCRIPTION
#5 SB (N33)	1007+21.47	133.76' LT	20.75+" HMA

UTILITY TEST HOLE SCHEDULE						
NO.	UTILITY	NORTHING	EASTING	ELEVATION	COVER	O.D. & MATERIAL
TH-14A	VER-C	620178.41	613046.88	78.40	2.25	1" DBC

PENNONI ASSOCIATES, INC.
 REV. TABLE: SHEETS
 REV. NO.: 01
 DATE PLOTTED: 24 JUN 2024 @ 14:34
 USER NAME: SUSERS OFFICE LOCATION: SOFFICEAMRES
 MICROSTATION VERSION: SURFSOFT
 MICROSTATION WORKSPACE: SWORKSPACES



ADDENDA / REVISIONS

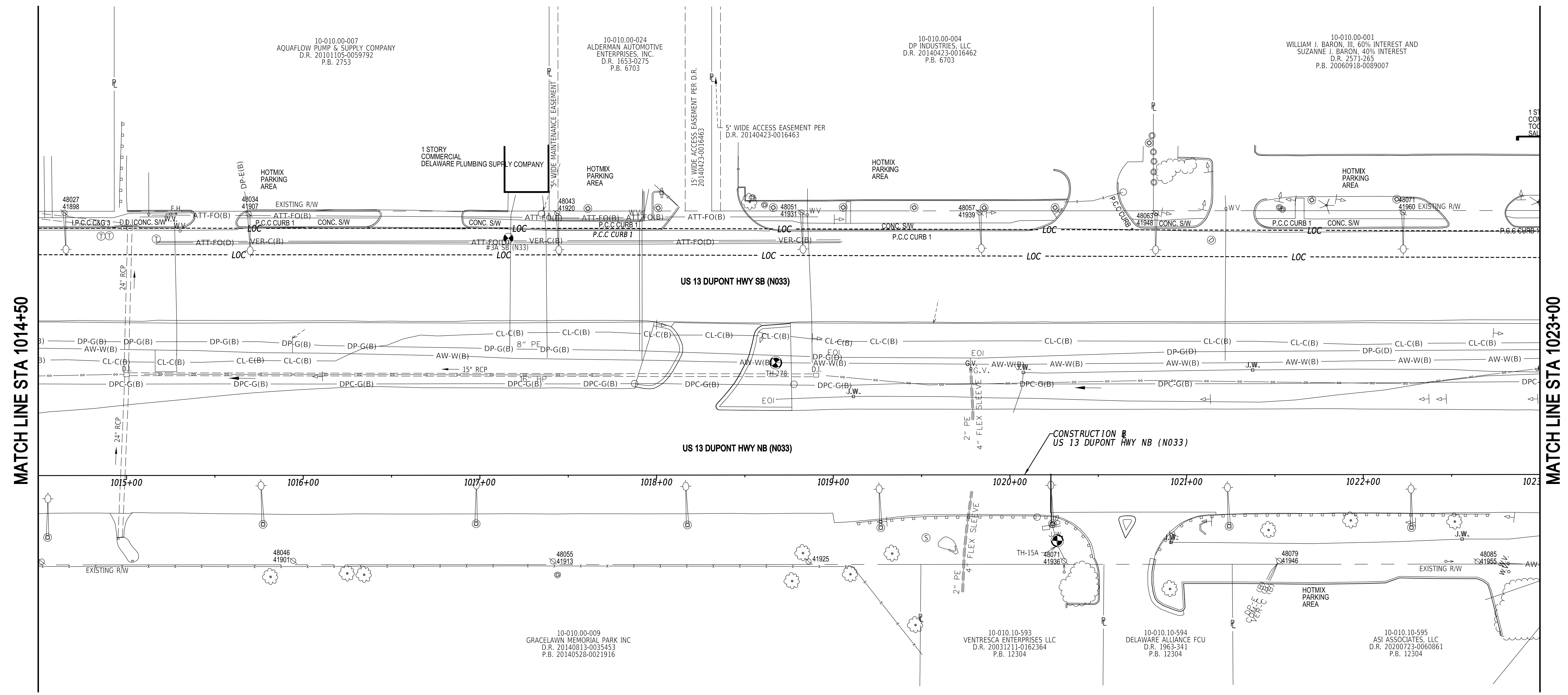
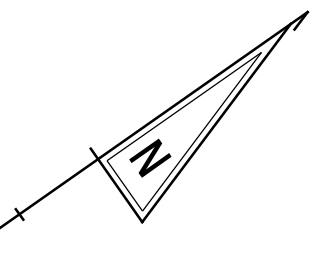


US 13 SOUTHBOUND BBRT LANE

CONTRACT	BRIDGE NO.	N/A
T202201102	DESIGNED BY:	A. MORJANA
COUNTY	CHECKED BY:	J. GRAY
NEW CASTLE		

CONSTRUCTION PLAN

CP-08
SECTION
PAI
SHEET NO.
15



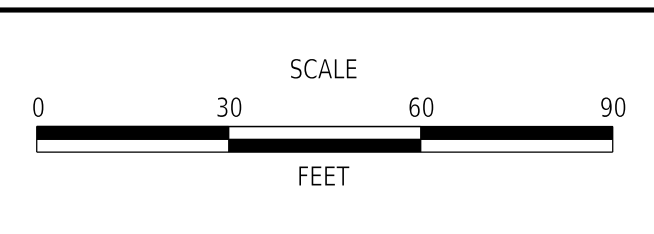
PENNONI ASSOCIATES, INC.
 REV. TABLE: SUPERVISOR
 PROJECT NO.: 20200723-0060861
 DATE PLOTTED: 24 JUN 2024 @ 14:34
 USER NAME: SUSERS OFFICE LOCATION: SOFFICEAMNES
 MICROSTATION VERSION: SUPERVISOR
 MICROSTATION WORKSPACE: WORKSPACES

ROADWAY CORE SCHEDULE			
NO.	STATION	OFFSET	DESCRIPTION
#3A SB (N33)	1017+16.20	134.05' LT	16.25" HMA OVER 5+" SELECT

UTILITY TEST HOLE SCHEDULE						
NO.	UTILITY	NORTHING	EASTING	ELEVATION	COVER	O.D. & MATERIAL
TH-15A	JB (DELDOT)	621260.43	613794.32	69.88	1.23	24"X24" CAST IRON
TH-278	AW-W	621187.86	613620.39	67.42	4.25	13" DUCTILE IRON



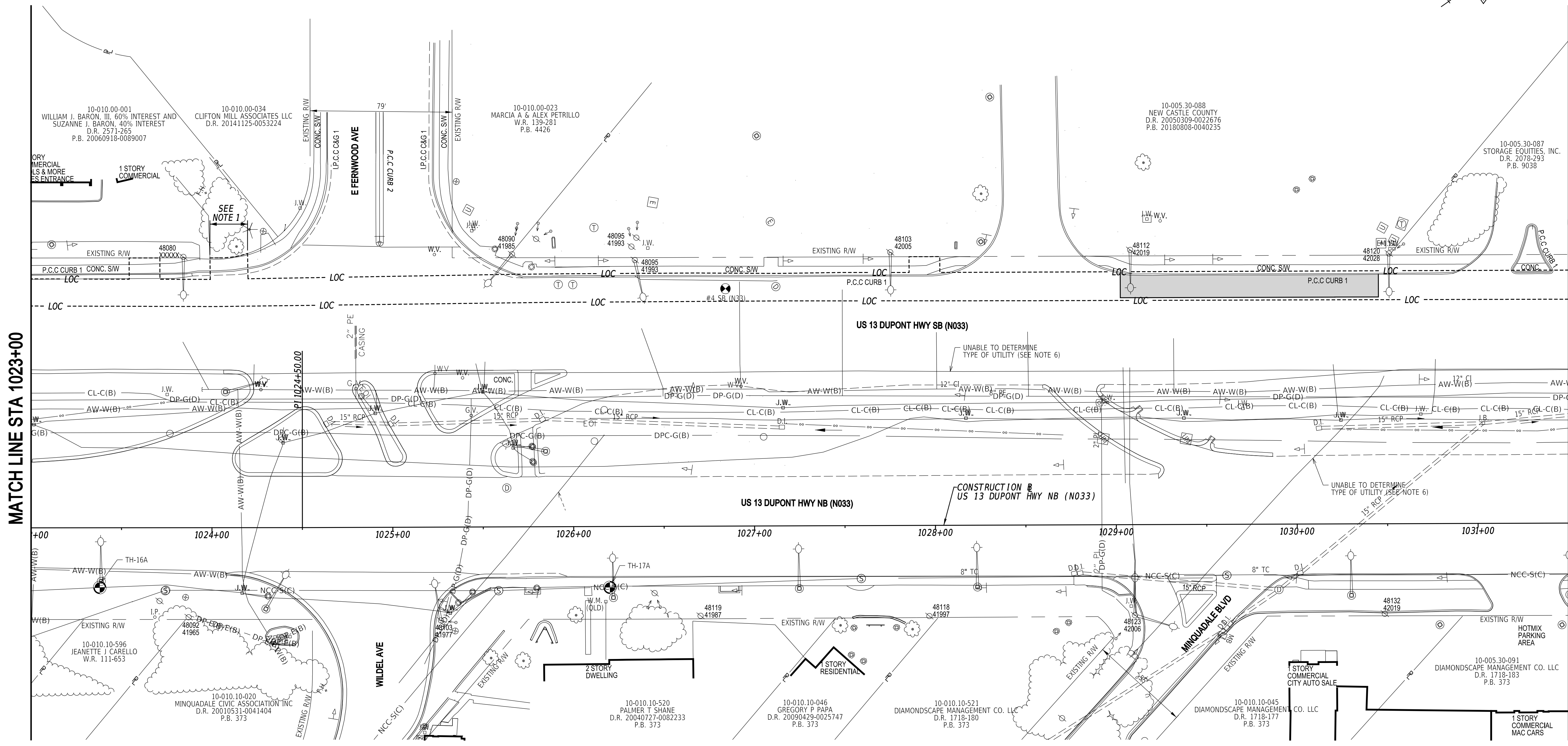
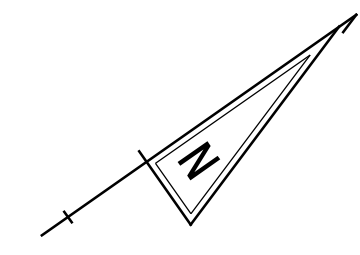
ADDENDA / REVISIONS	



US 13 SOUTHBOUND BBRT LANE

CONTRACT	BRIDGE NO.	N/A
T202201102	DESIGNED BY:	A. MORJANA
COUNTY	CHECKED BY:	J. GRAY
NEW CASTLE		

CONSTRUCTION PLAN	
SECTION	CP-09
PAI	
SHEET NO.	16



MATCH LINE STA 1023+00

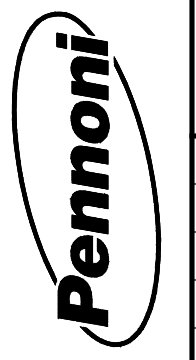
MATCH LINE STA 1031+50

PENNONI ASSOCIATES, INC. SHEETS: 1434
 DATE PLOTTED: 24 JUN 2024 @ 14:34
 USER NAME: SUSERS OFFICE LOCATION: SOFFICEAMRES
 MICROSTATION WORKSPACE: SWORKSPACES
 PENNONI ASSOCIATES, INC. SHEETS: 1434
 DATE PLOTTED: 24 JUN 2024 @ 14:34
 USER NAME: SUSERS OFFICE LOCATION: SOFFICEAMRES
 MICROSTATION WORKSPACE: SWORKSPACES

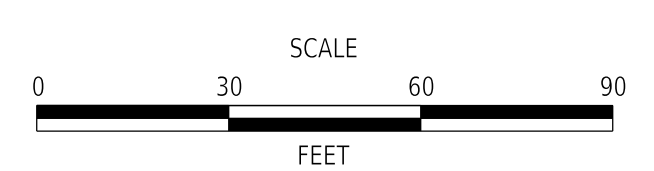
ROADWAY CORE SCHEDULE			
NO.	STATION	OFFSET	DESCRIPTION
#4 SB (N33)	1026+84.33	131.34' LT	3" HMA OVER 8.25" PCC AND 6+" SELECT

UTILITY TEST HOLE SCHEDULE						
NO.	UTILITY	NORTHING	EASTING	ELEVATION	COVER	O.D. & MATERIAL
TH-16A	EX-SIG	621521.51	613972.50	71.27	1.65	3.5" STEEL
TH-17A	N/A	621748.58	614131.41	71.58	N/A	N/A

NOTE:
 1. TRIM EXISTING TREE BRANCHES OVERHANGING PROPOSED US 13 SOUTHBOUND BBRT LANE AND THE EXISTING PEDESTRIAN PATH TO ACHIEVE THE REQUIRED VERTICAL CLEARANCE IN ACCORDANCE WITH SECTION 201 OF THE DELDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, DATED JANUARY 2024.



ADDENDA / REVISIONS

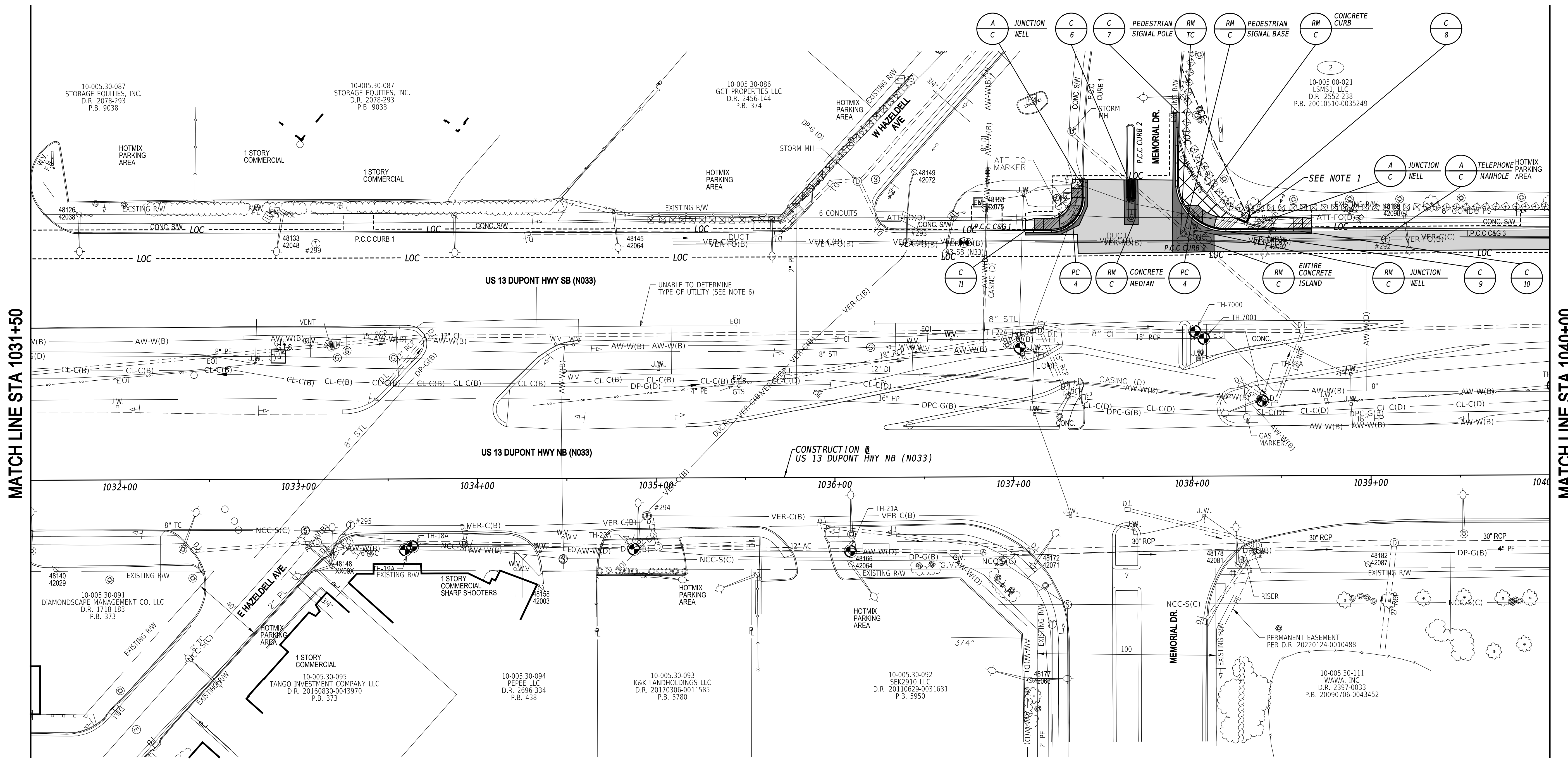
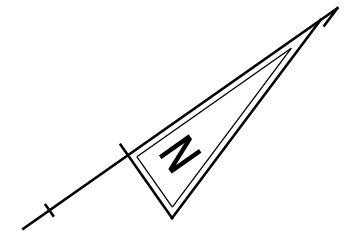


US 13 SOUTHBOUND BBRT LANE

CONTRACT	BRIDGE NO.	N/A
T202201102	DESIGNED BY:	A. MORJANA
COUNTY	CHECKED BY:	J. GRAY
NEW CASTLE		

CONSTRUCTION PLAN

CP-10
SECTION
PAI
SHEET NO.
17



MATCH LINE STA 1031+50

MATCH LINE STA 1040+00

PENNONI ASSOCIATES, INC. SHEETS: 1434
 REV. TABLE: 24 JUN 2024
 DATE PLOTTED: 24 JUN 2024 @ 14:34
 MICROSTATION VERSION: 14.34
 USER NAME: SUSERS OFFICE LOCATION: SOFFICEAMER
 MICROSTATION WORKSPACE: SWORKSPACES

ROADWAY CORE SCHEDULE			
NO.	STATION	OFFSET	DESCRIPTION
#3 SB (N33)	1036+72.61	131.12' LT	20.25" HMA OVER 3+" CLAY

CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
6	PCC MONOLITHIC MEDIAN	13.00'
7**	I.PCC CURB AND GUTTER, TYPE 3-6	52.00'
8	PCC CURB, SPECIAL	9.00'
9**	I.PCC CURB AND GUTTER, TYPE 3-4	21.50'
10	I.PCC CURB AND GUTTER, TYPE 3-6	34.00'
11**	I.PCC CURB AND GUTTER, TYPE 3-6	20.00'

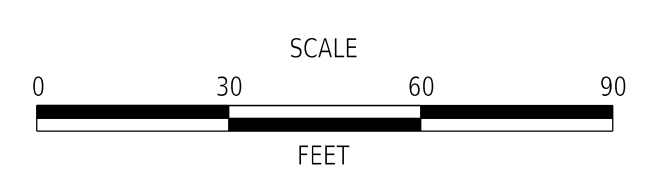
** CURB RUN LENGTH SHOWN IN THE SCHEDULE EXCLUDES CURB PAID INCIDENTAL TO PEDESTRIAN CONNECTION ITEMS.

UTILITY TEST HOLE SCHEDULE						
NO.	UTILITY	NORTHING	EASTING	ELEVATION	COVER	O.D. & MATERIAL
TH-18A	DP-G	622356.29	614559.76	48.19	3.51	4.5" POLYETHYLENE
TH-19A	AW-W	622351.99	614559.00	48.31	3.39	7" CAST IRON
TH-20A	DP-G	622456.96	614632.13	47.37	4.93	4.5" POLYETHYLENE
TH-20A	UNK	622456.96	614632.13	47.37	4.01	9"X5.5" CONC DUCT
TH-21A	N/A	622555.45	614702.77	46.12	N/A	N/A
TH-22A	EX-CON	622698.47	614663.93	44.54	1.69	(2) 2.5" POLYETHYL.
TH-23A	DP-G	622792.53	614766.18	43.71	6.23	9" WRAPPED STEEL
TH-7000	DP-G	622783.87	614712.76	44.62	5.15	9" WRAPPED STEEL
TH-7001	AW-W	622785.69	614718.89	44.59	4.84	9" CAST IRON

NOTE:
 1. TO MEET DELDOT'S MINIMUM 4 FEET ACCESSIBILITY STANDARD WIDTH, CURB NO. 8 (PCC CURB, SPECIAL) SHALL BE CONSTRUCTED TO FLUSH WITH THE PROPOSED SIDEWALK AND EXISTING SIGNAL FOUNDATION. PROVIDE A SMOOTH VERTICAL TRANSITION WHERE THE TOP OF CURB NO. 8 MEETS THE EXISTING SIGNAL FOUNDATION SURFACE WITH NO BUMPS, DROP OFFS, ETC. TO ALLOW RUNOFF TO FLOW FROM THE SIDEWALK TO THE CURB FLOW LINE ON US 13 SOUTHBOUND, CURB NO. 9 (I.PCC CURB AND GUTTER, TYPE 3-4) SHALL BE CONSTRUCTED.



ADDENDA / REVISIONS

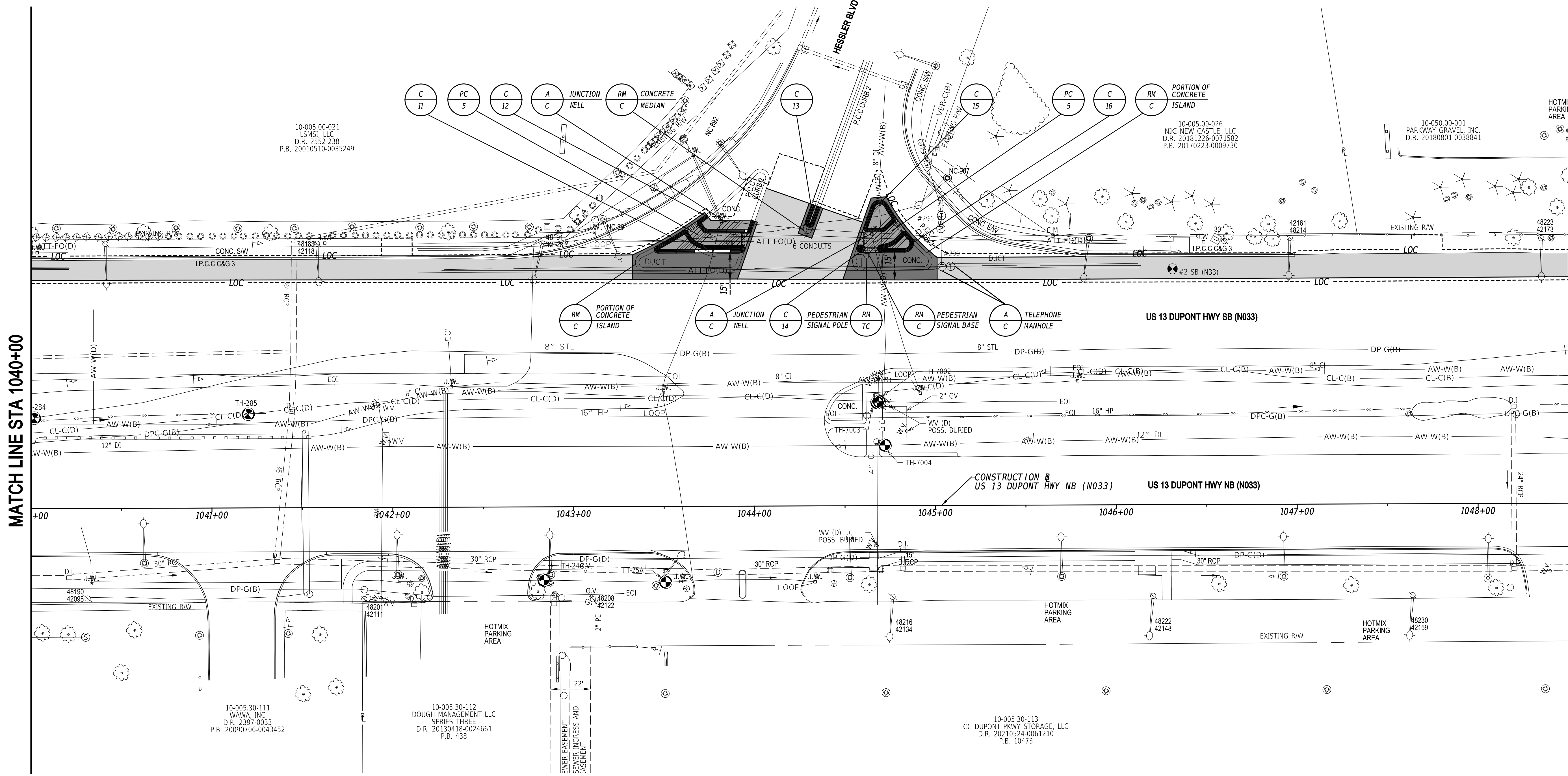
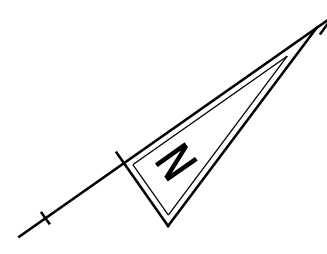


US 13 SOUTHBOUND BBRT LANE

CONTRACT	BRIDGE NO.	N/A
T202201102	DESIGNED BY:	A. MORJANA
COUNTY	CHECKED BY:	J. GRAY
NEW CASTLE		

CONSTRUCTION PLAN

CP-11
SECTION
PAI
SHEET NO.
18



PENNONI ASSOCIATES, INC. SHEETS: 1434
 DATE PLOTTED: 24 JUN 2024 @ 14:34
 USER: SUSSERS OFFICE LOCATION: SOFFICE/AMERS
 MICROSTATION VERSION: SUPERVISION
 MICROSTATION WORKSPACE: SWORKSPACES

MATCH LINE STA 1040+00

MATCH LINE STA 1048+50

NO.	STATION	OFFSET	DESCRIPTION
#2 SB (N33)	1046+31.50	130.33' LT	3.75" HMA OVER 8.25" PCC AND 6+" DIRTY FILL

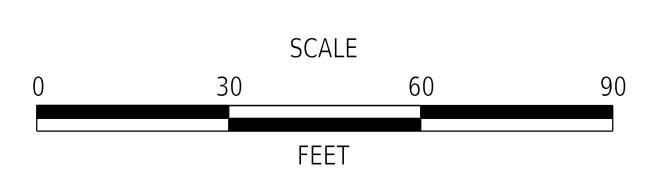
NO.	ITEM DESCRIPTION / TYPE	LENGTH
11*	TYPE 2 CURB	112.50'
12*	TYPE 2 CURB	46.00'
13	PCC MONOLITHIC MEDIAN	13.00'
14*	TYPE 2 CURB	14.00'
15*	TYPE 2 CURB	56.00'
16*	TYPE 2 CURB	51.00'

NO.	UTILITY	NORTHING	EASTING	ELEVATION	COVER	O.D. & MATERIAL
TH-24A	EX-SIG	623109.75	615087.81	41.85	3.12	3.5" STEEL
TH-25A	EX-SIG	623164.15	615127.35	41.33	2.62	3.5" STEEL
TH-284	DP-G	622930.58	614852.65	42.18	3.41	9" WRAPPED STEEL
TH-285	CL-C	623028.64	614918.79	40.89	6.79	PVC
TH-7002	EX-SIG	623318.21	615113.39	39.51	3.83	4.5" POLYETHYLENE
TH-7003	N/A	623316.82	615113.20	39.52	N/A	N/A
TH-7004	AW-W	623306.93	615135.07	39.42	4.27	13.5" DUCTILE IRON

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



ADDENDA / REVISIONS

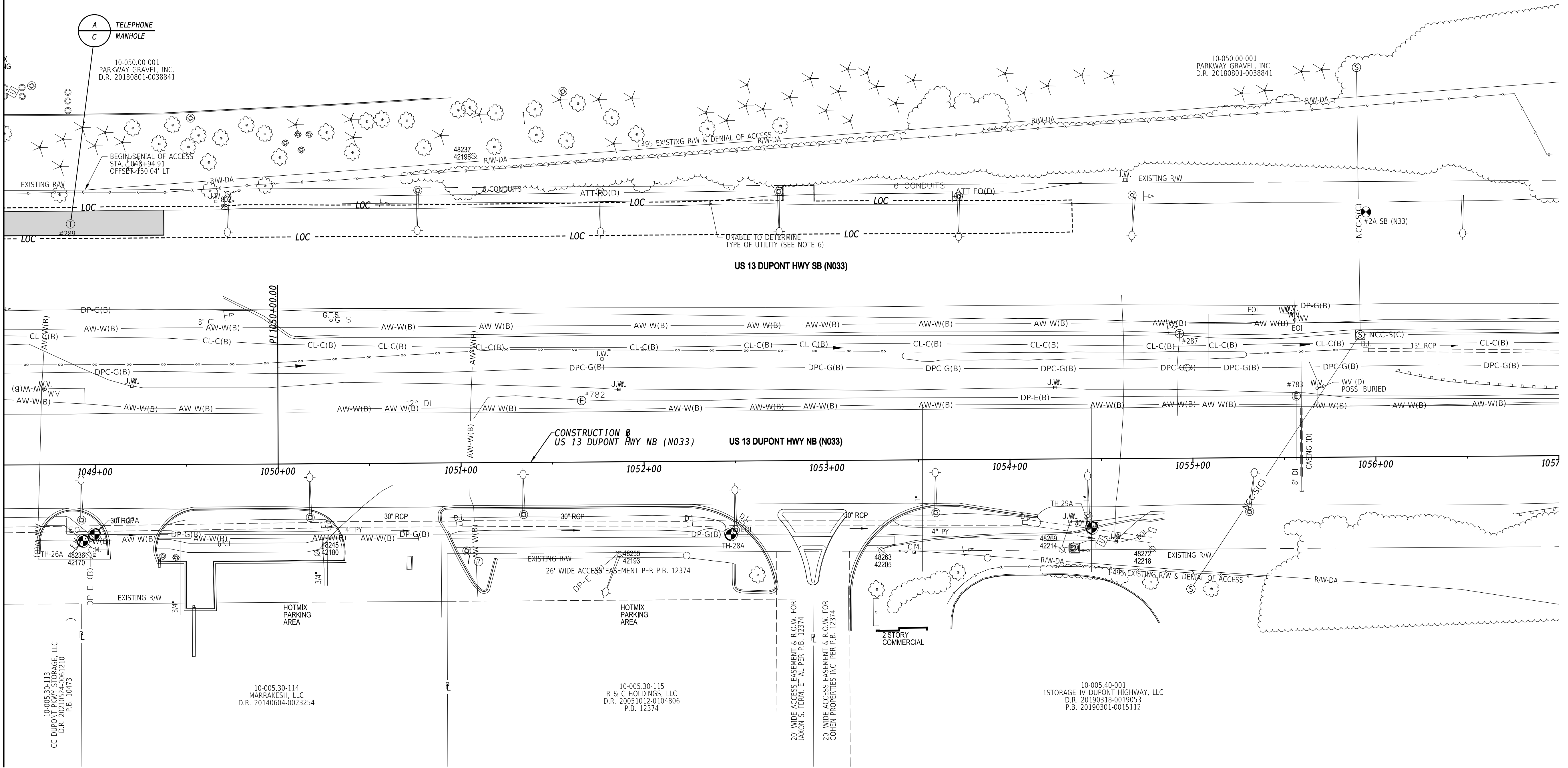
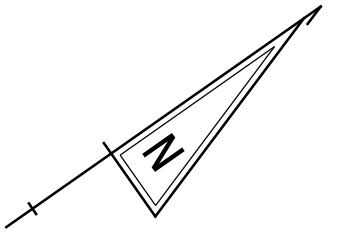


US 13 SOUTHBOUND BBRT LANE

CONTRACT	BRIDGE NO.	N/A
T202201102	DESIGNED BY:	A. MORJANA
COUNTY	CHECKED BY:	J. GRAY
NEW CASTLE		

CONSTRUCTION PLAN

CP-12
SECTION
PAI
SHEET NO.
19



MATCH LINE STA 1048+50

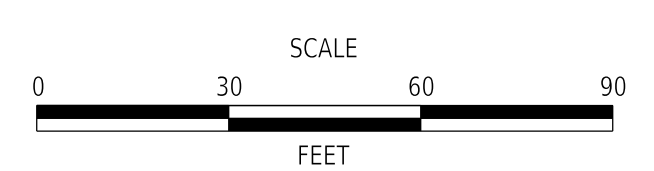
ROADWAY CORE SCHEDULE			
NO.	STATION	OFFSET	DESCRIPTION
#2A SB (N33)	1055+95.39	133.83' LT	5.25" HMA OVER 4+\" CRUSHER RUN

UTILITY TEST HOLE SCHEDULE						
NO.	UTILITY	NORTHING	EASTING	ELEVATION	COVER	O.D. & MATERIAL
TH-26A	AW-W	623609.42	615437.30	29.26	3.68	7" CAST IRON
TH-27A	DP-G	623616.63	615437.91	29.01	3.12	4.5" POLYETHYLENE
TH-28A	DP-G	623901.40	615637.73	16.17	4.34	4.5" POLYETHYLENE
TH-29A	VER-C	624064.94	615748.02	9.98	4.71	(2) 4.5" WHITE PVC

PENNONI ASSOCIATES, INC. SHEETS: 24 SUPERVISOR: DATE PLOTTED: 24 JUN 2024 @ 14:34 OFFICE LOCATION: SOFFICE/NAME: USER NAME: SUSERS: MICROSTATION WORKSPACE: WORKSPACES: MICROSTATION VERSION: ETELEA MICROSTATION WORKSPACE: WORKSPACES: MICROSTATION WORKSPACE: WORKSPACES:



ADDENDA / REVISIONS



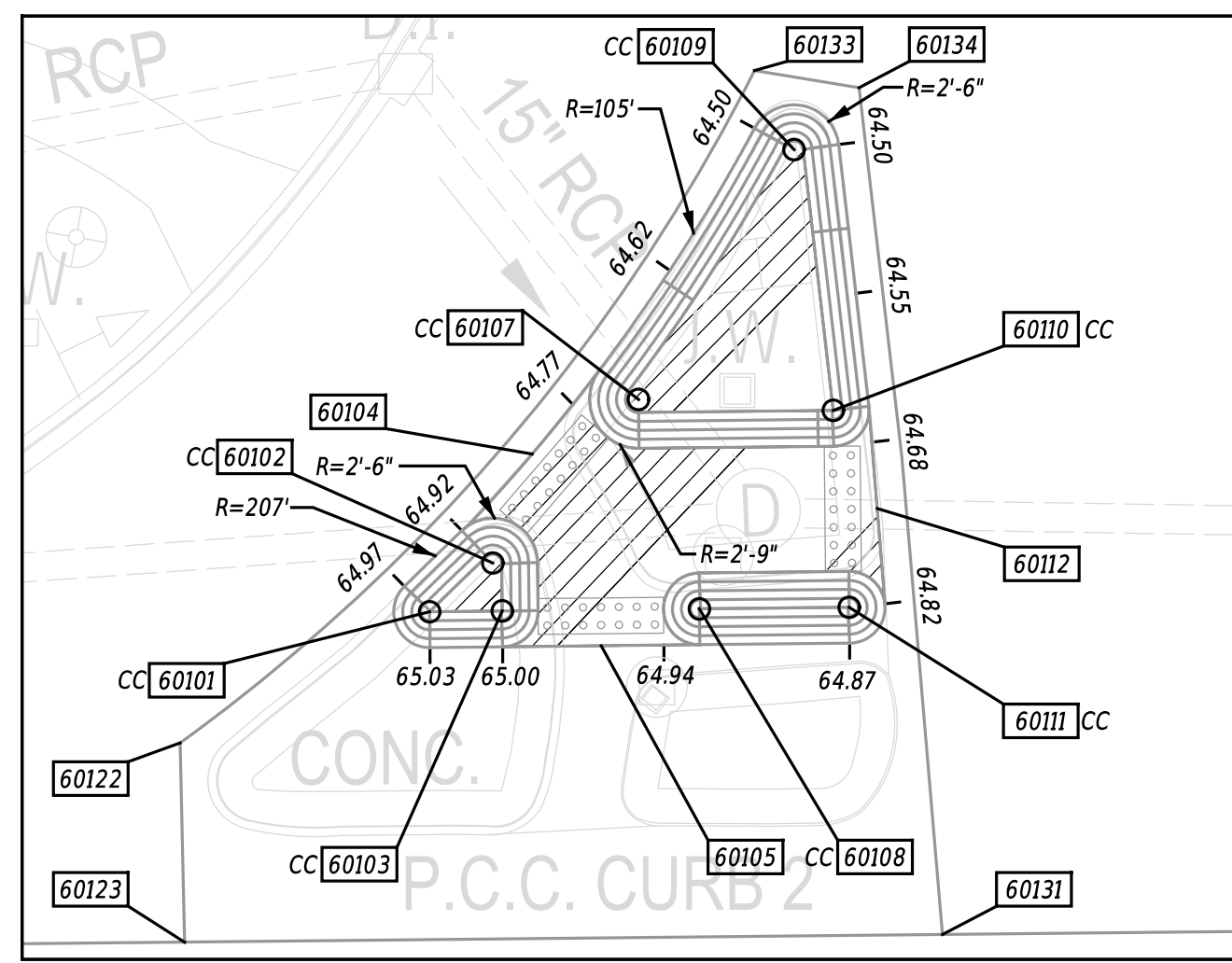
US 13 SOUTHBOUND BBRT LANE

CONTRACT	T202201102	BRIDGE NO.	N/A
COUNTY	NEW CASTLE	DESIGNED BY:	A. MORJANA
		CHECKED BY:	J. GRAY

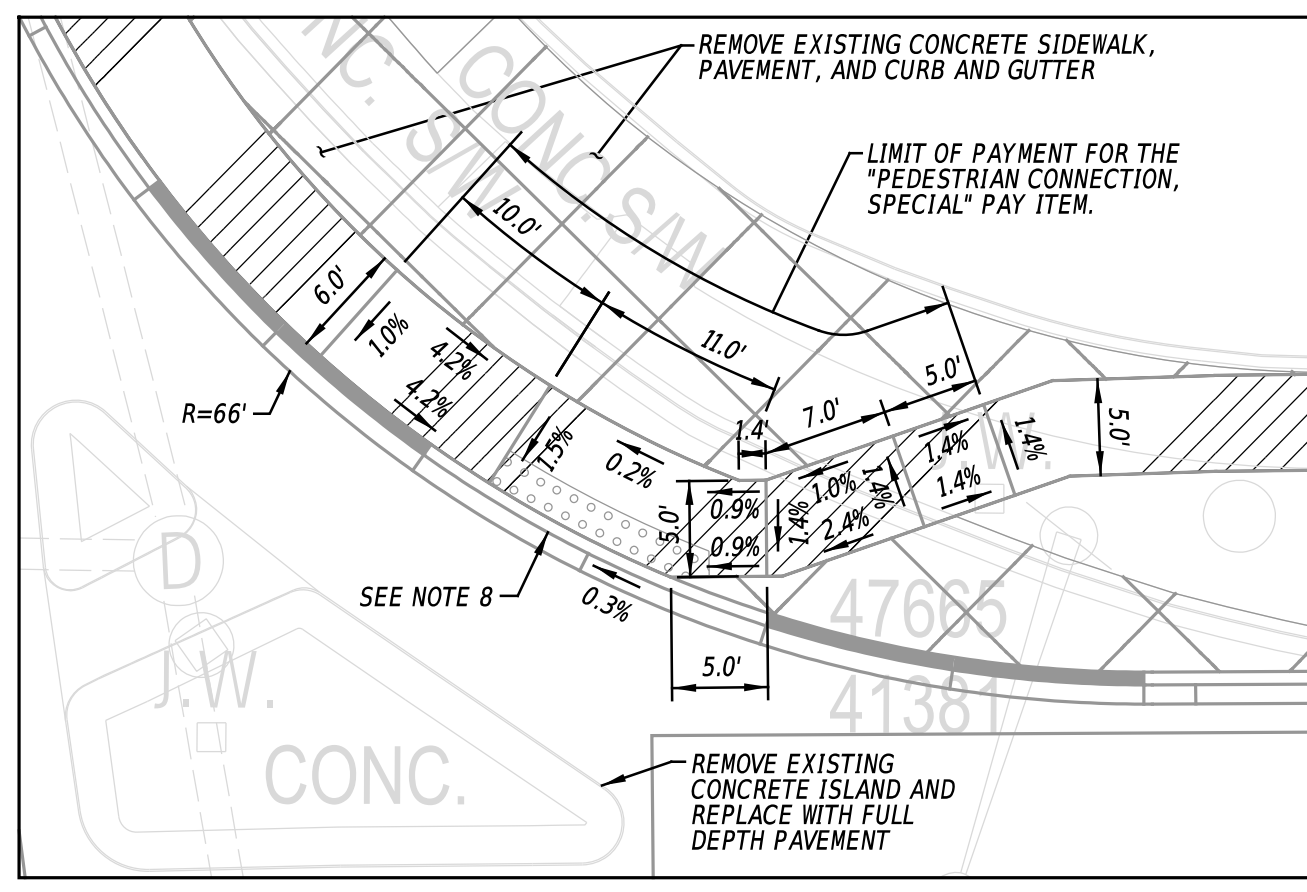
CONSTRUCTION PLAN

CP-13
SECTION
PAI
SHEET NO.
20

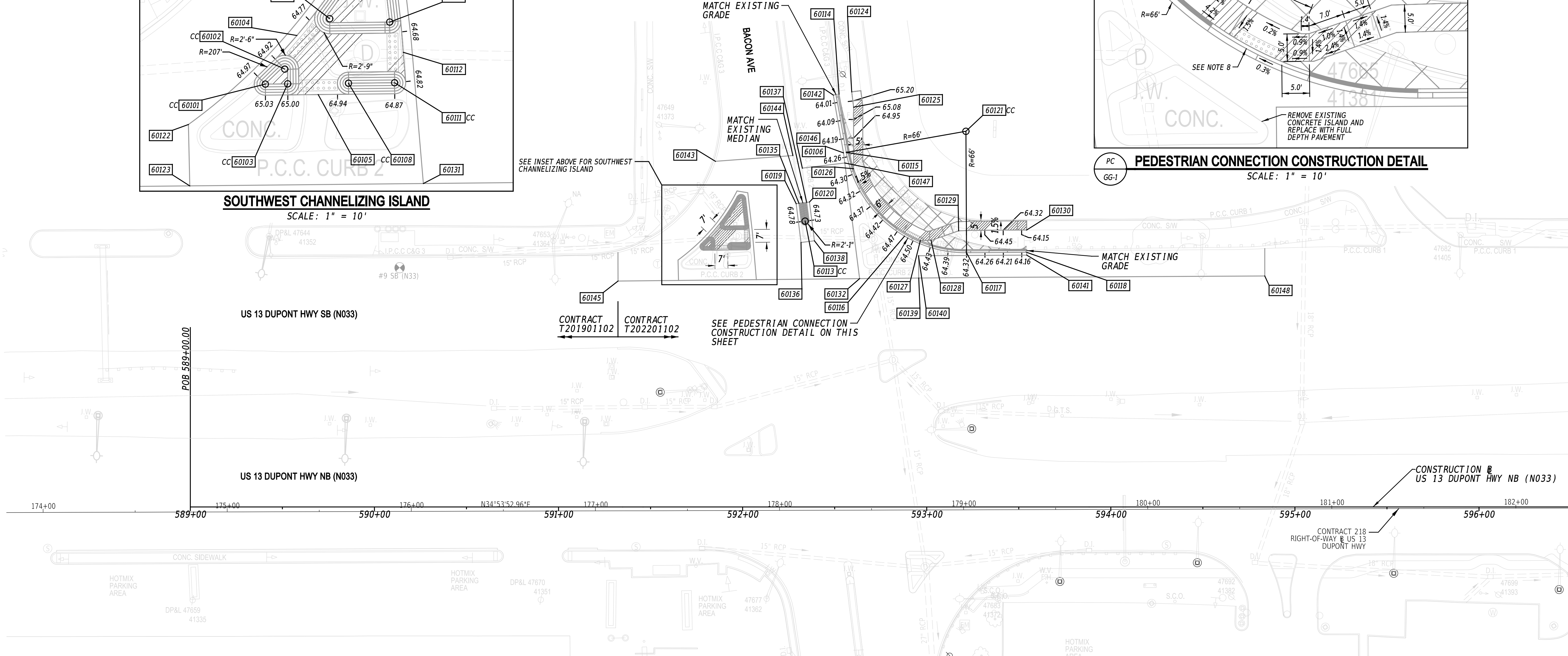
PENNONI ASSOCIATES, INC. SHEETS: 14-35
 PROJECT NO.: 24100-2020-1435
 DATE PLOTTED: 24 JUN 2024 @ 14:35
 USER NAME: SUSERS OFFICE LOCATION: SUFFOLK COUNTY
 MICROSTATION WORKSPACE: SWORKSPACES



SOUTHWEST CHANNELIZING ISLAND
SCALE: 1" = 10'



PEDESTRIAN CONNECTION CONSTRUCTION DETAIL
SCALE: 1" = 10'



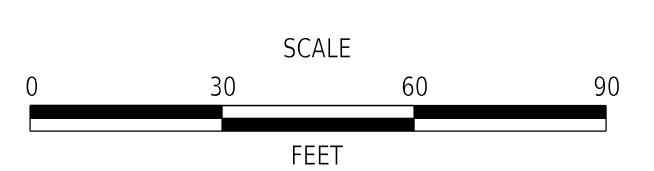
POINT NO.	STATION	OFFSET	NORTHING	EASTING
60101	591+78.83	-141.55	615615.2945	609660.7149
60102	591+82.35	-144.27	615619.7435	609660.5122
60103	591+82.88	-141.59	615618.6377	609663.0082
60104	591+84.55	-150.35	615625.0326	609656.7947
60105	591+88.40	-139.65	615622.0419	609667.7686
60106	592+54.79	-192.47	615706.7286	609662.6738
60107	591+90.48	-153.40	615631.6460	609657.7101
60108	591+93.88	-141.71	615627.7087	609669.2305
60109	591+99.17	-167.34	615646.7599	609651.2861
60110	592+01.35	-152.79	615640.1929	609664.4548
60111	592+02.24	-141.80	615634.6053	609673.9612
60112	592+03.80	-147.32	615639.0522	609670.3420
60113	592+33.94	-155.37	615668.3434	609681.0635
60114	592+50.73	-224.13	615721.5923	609634.4217
60115	592+56.27	-192.73	615708.0874	609663.3091
60116	592+87.96	-147.22	615707.8821	609718.7687
60117	593+21.61	-138.20	615730.2465	609745.4823
60118	593+54.32	-138.35	615757.1090	609764.1367
60119	592+29.07	-164.84	615669.8040	609670.5104
60120	592+36.29	-165.75	615676.2309	609673.9169
60121	593+21.27	-204.20	615767.8763	609691.2606

POINT NO.	STATION	OFFSET	NORTHING	EASTING
60122	591+64.91	-134.23	615599.6966	609658.7113
60123	591+65.16	-123.11	615593.5172	609667.9552
60124	592+59.25	-225.63	615729.4245	609638.0933
60125	592+60.28	-217.29	615725.4796	609645.5087
60126	592+60.24	-183.83	615706.2269	609672.8728
60127	592+96.54	-144.81	615713.5167	609725.6649
60128	593+02.35	-144.87	615718.3118	609728.9546
60129	593+17.32	-150.07	615733.5540	609733.2972
60130	593+54.28	-150.54	615764.0708	609754.1483
60131	592+07.45	-123.54	615628.3774	609691.8985
60132	592+63.55	-124.11	615674.6247	609723.6630
60133	591+96.96	-171.76	615647.4924	609646.4015
60134	592+02.79	-170.80	615651.7128	609650.5416
60135	592+30.58	-165.03	615671.1431	609671.2220
60136	592+31.69	-143.76	615659.8341	609689.2731
60137	592+34.80	-165.56	615674.9008	609673.2164
60138	592+38.99	-144.66	615666.3273	609692.7234
60139	592+95.66	-124.43	615701.0949	609741.8438
60140	592+95.55	-136.56	615707.9716	609731.8494
60141	593+54.32	-136.87	615756.2567	609765.3592
60142	592+49.25	-223.87	615720.2335	609633.7865

POINT NO.	STATION	OFFSET	NORTHING	EASTING
60143	591+85.19	-187.86	615647.1079	609626.4611
60144	592+27.29	-191.00	615683.3707	609648.0784
60145	591+32.31	-122.78	615566.4410	609649.3582
60146	592+32.45	-184.14	615683.6535	609656.6598
60147	592+55.50	-186.97	615704.1469	609667.5868
60148	594+83.63	-125.53	615855.5791	609848.9275

- NOTES:**
- OFFSETS SHOWN IN THE COORDINATE LIST WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.
 - UNLESS OTHERWISE NOTED, POINT GEOMETRY ADJACENT CURB AND GUTTER IS GIVEN AT THE EDGE OF PAVEMENT.
 - UNLESS OTHERWISE NOTED, EDGE OF PAVEMENT ELEVATIONS AT CURB RETURNS ARE GIVEN AT 10 FOOT INTERVALS.
 - RADIi ARE GIVEN TO THE EDGE OF PAVEMENT.
 - PROPOSED PAVEMENT OR CURBS THAT TIE INTO EXISTING PAVEMENT OR EXISTING CURBS SHALL MATCH THE EXISTING PAVEMENT OR EXISTING CURB ELEVATION.
 - ALL WORK REQUIRED FOR CALCULATING AND STAKING OF GRADES SHALL BE PAID FOR UNDER ITEM 763501 - CONSTRUCTION ENGINEERING.
 - PROPOSED CURB RADII ARE 2 FEET, UNLESS OTHERWISE NOTED.
 - THE PEDESTRIAN CONNECTION WILL BE PAID UNDER PAY ITEM "PEDESTRIAN CONNECTION, SPECIAL". THE DEPARTMENT WILL PAY FOR THE PAY ITEM "PEDESTRIAN CONNECTION, SPECIAL" IN ACCORDANCE WITH SECTIONS 705.4.4 AND 705.5.4 OF THE DELDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, DATED JANUARY 2024.

ADDENDA / REVISIONS



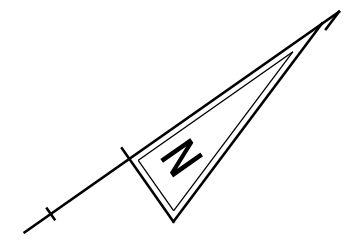
US 13 SOUTHBOUND BBRT LANE

CONTRACT	BRIDGE NO.	N/A
T202201102	DESIGNED BY:	A. MORJANA
COUNTY	CHECKED BY:	J. GRAY
NEW CASTLE		

GRADES AND GEOMETRICS

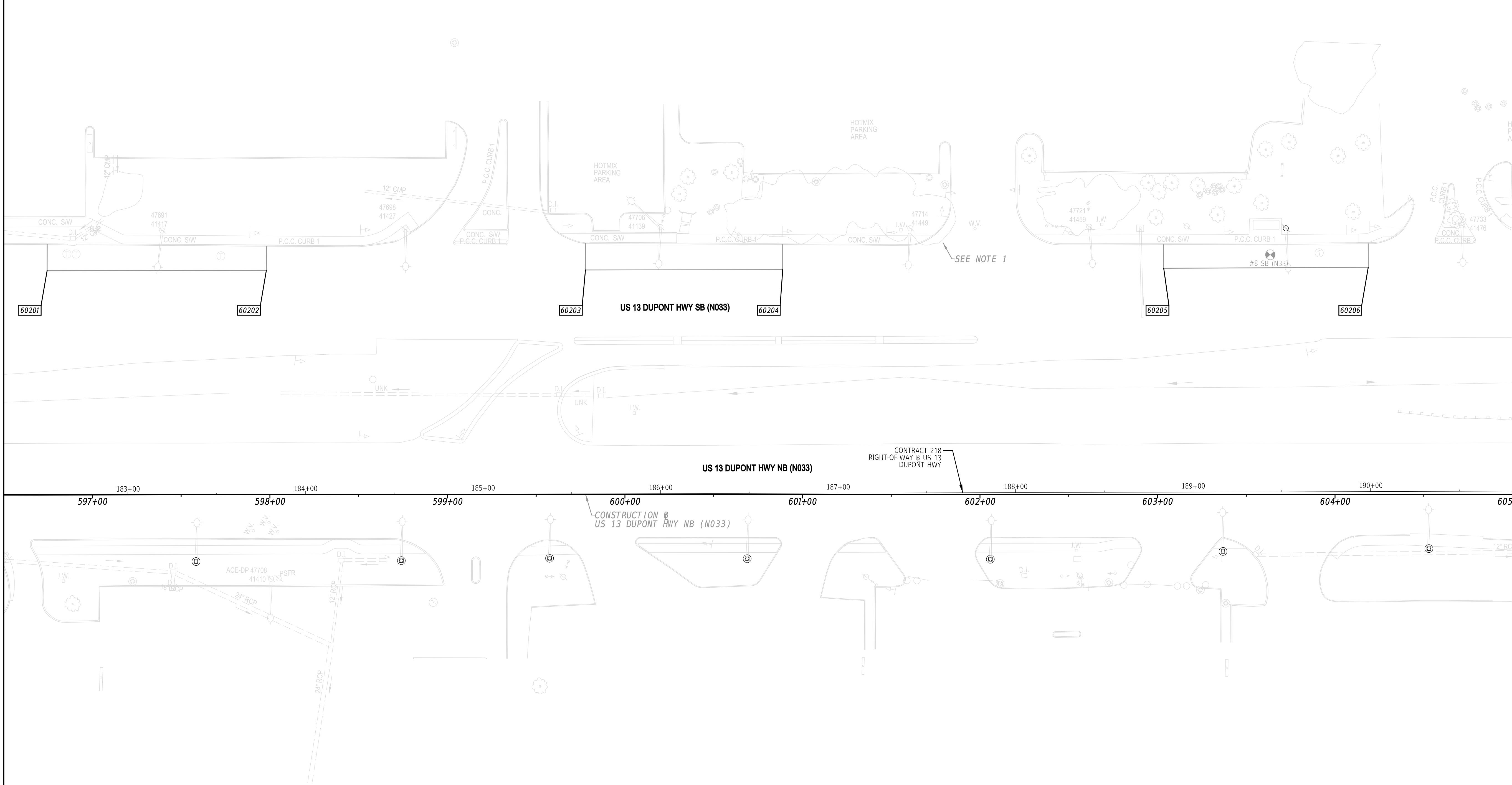
SECTION	GG-01
PAY ITEM	PAI
SHEET NO.	21

MATCH LINE STA 596+50



MATCH LINE STA 596+50

MATCH LINE STA 605+00



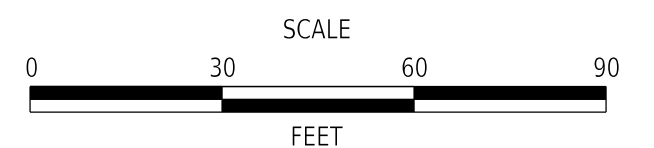
COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
60201	596+74.52	-126.02	616012.1110	609958.1793
60202	597+97.99	-126.21	616113.2811	610028.9605
60203	599+77.73	-126.47	616260.5622	610132.0022
60204	600+88.88	-126.64	616351.6335	610195.7181
60205	603+03.48	-127.43	616527.7448	610318.3481
60206	604+18.71	-127.97	616622.3744	610384.1045

- NOTES:**
- OFFSETS SHOWN IN THE COORDINATE LIST WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.
 - UNLESS OTHERWISE NOTED, POINT GEOMETRY ADJACENT CURB AND GUTTER IS GIVEN AT THE EDGE OF PAVEMENT.
 - UNLESS OTHERWISE NOTED, EDGE OF PAVEMENT ELEVATIONS AT CURB RETURNS ARE GIVEN AT 10 FOOT INTERVALS.
 - RADII ARE GIVEN TO THE EDGE OF PAVEMENT.
 - PROPOSED PAVEMENT OR CURBS THAT TIE INTO EXISTING PAVEMENT OR EXISTING CURBS SHALL MATCH THE EXISTING PAVEMENT OR EXISTING CURB ELEVATION.
 - ALL WORK REQUIRED FOR CALCULATING AND STAKING OF GRADES SHALL BE PAID FOR UNDER ITEM 763501 - CONSTRUCTION ENGINEERING.
 - PROPOSED CURB RADII ARE 2 FEET, UNLESS OTHERWISE NOTED.

PENNONI ASSOCIATES, INC. SHEETS: SUPERBAYS
 REV. TABLE: 0
 DATE PLOTTED: 24 JUN 2020 @ 14:35
 USER NAME: SUSERS OFFICE LOCATION: SOFFICE@PENNONI.COM
 MICROSTATION VERSION: SUPERBAYS
 MICROSTATION WORKSPACE: SWORKSPACES



ADDENDA / REVISIONS

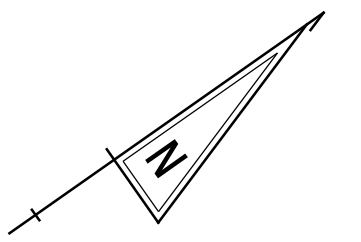


US 13 SOUTHBOUND BBRT LANE

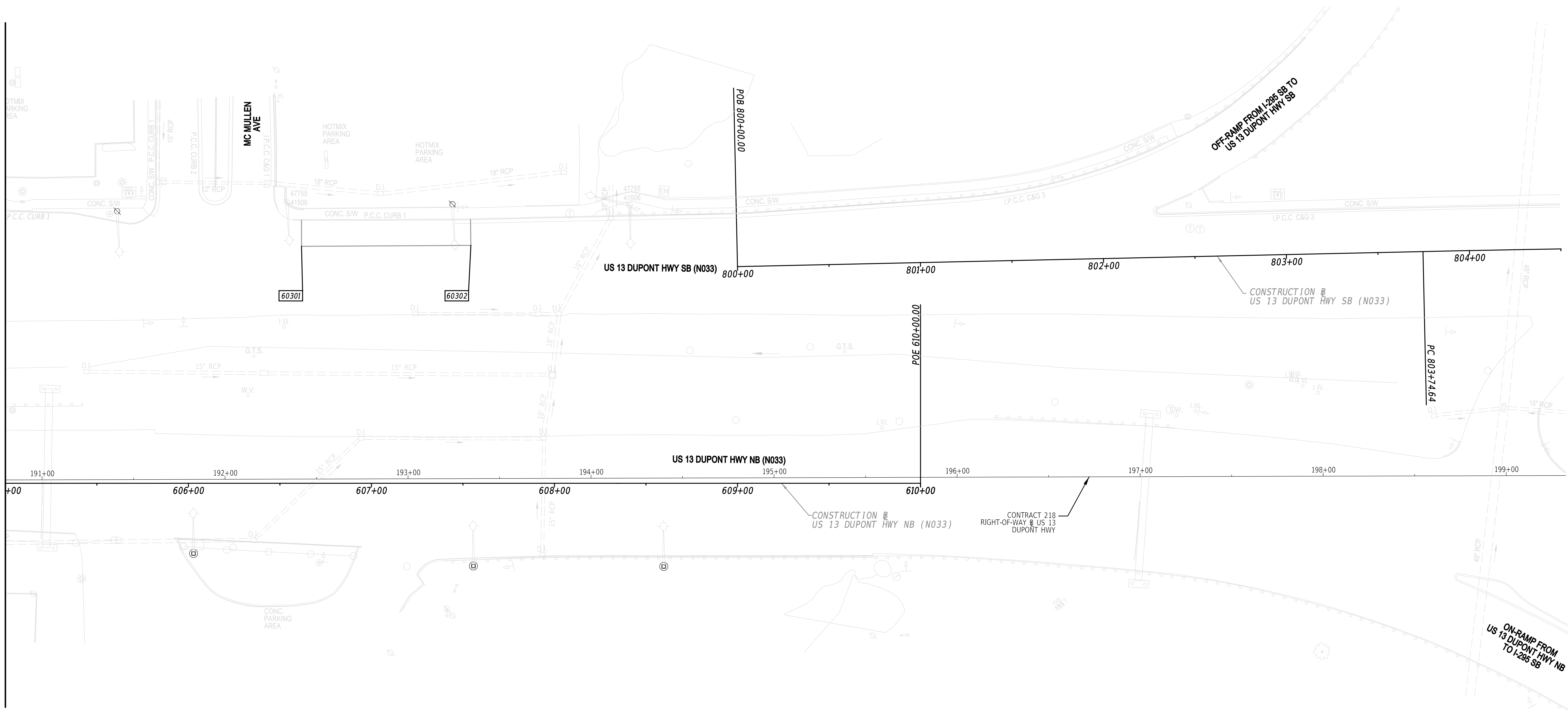
CONTRACT	BRIDGE NO.	N/A
T202201102	DESIGNED BY:	A. MORJANA
COUNTY	CHECKED BY:	J. GRAY
NEW CASTLE		

GRADES AND GEOMETRICS

GG-02
SECTION
PAI
SHEET NO.
22



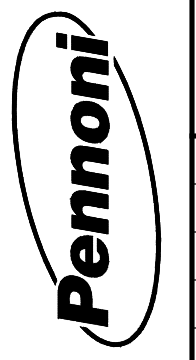
MATCH LINE STA 605+00



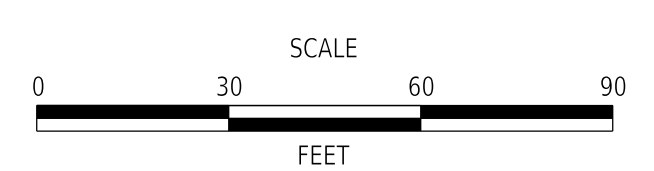
PENNONI ASSOCIATES, INC. SHEETS: 1-665
 PROJECT NO.: T202201102 DATE PLOTTED: 24 JUN 2024 @ 14:35
 MICROSTATION VERSION: SUPERDIMS USER NAME: SUISERS OFFICE LOCATION: SOFFICE/AMNES
 MICROSTATION WORKSPACE: SWORKSPACES

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
60301	606+61.81	-129.46	616822.2065	610522.5362
60302	607+54.34	-129.95	616898.2363	610575.2878

- NOTES:**
1. OFFSETS SHOWN IN THE COORDINATE LIST WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.
 2. UNLESS OTHERWISE NOTED, POINT GEOMETRY ADJACENT CURB AND GUTTER IS GIVEN AT THE EDGE OF PAVEMENT.
 3. UNLESS OTHERWISE NOTED, EDGE OF PAVEMENT ELEVATIONS AT CURB RETURNS 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 ELEVATION.
 6. ALL WORK REQUIRED FOR CALCULATING AND STAKING OF GRADES SHALL BE PAID FOR UNDER ITEM 763501 - CONSTRUCTION ENGINEERING.
 7. PROPOSED CURB RADII ARE 2 FEET, UNLESS OTHERWISE NOTED.



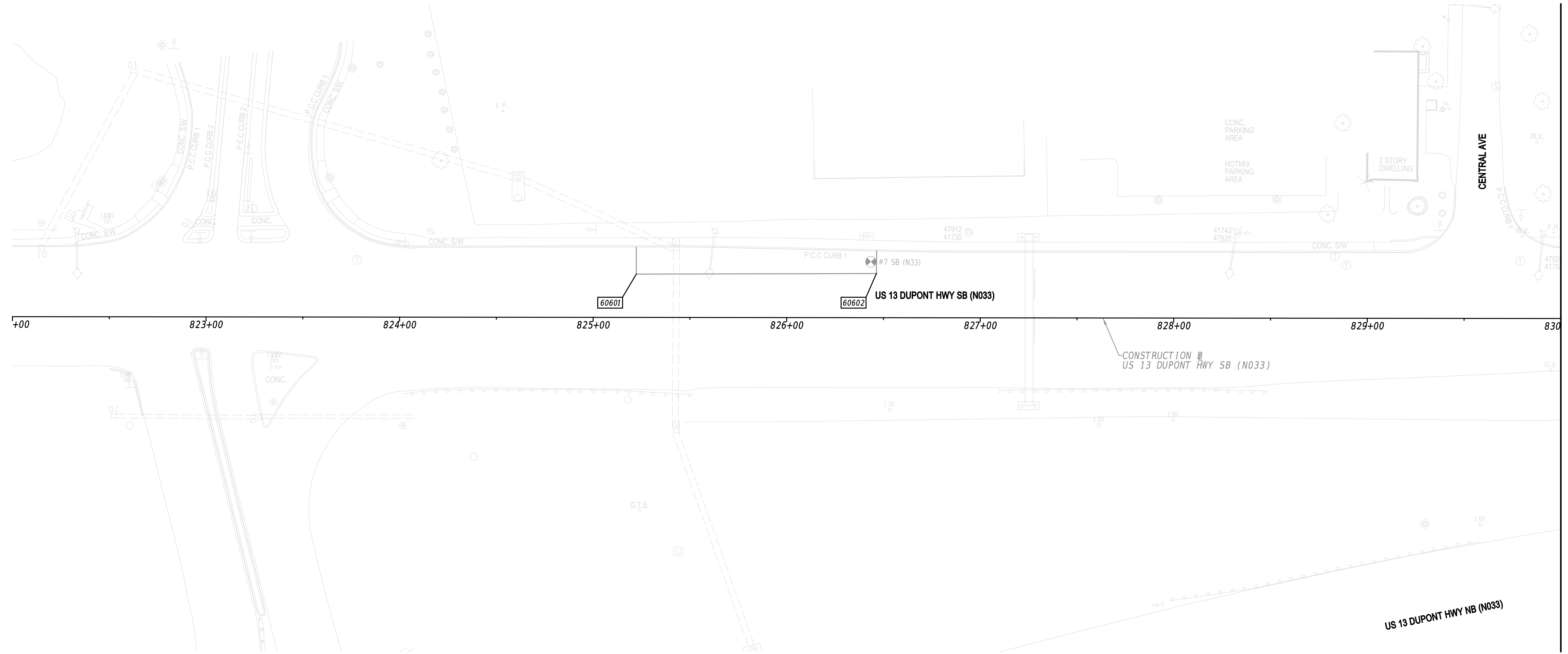
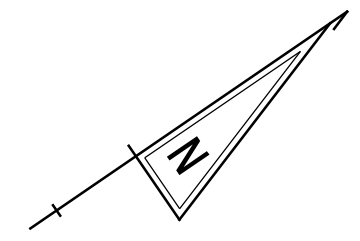
ADDENDA / REVISIONS



US 13 SOUTHBOUND BBRT LANE

CONTRACT	BRIDGE NO.	1-665
T202201102	DESIGNED BY:	A. MORJANA
COUNTY	CHECKED BY:	J. GRAY
NEW CASTLE		

GRADES AND GEOMETRICS	SECTION	GG-03
	PAI	
	SHEET NO.	23



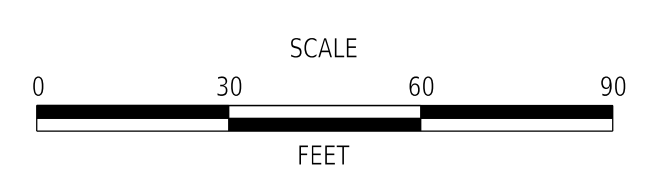
COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
60601	825+22.28	-22.39	619092.1715	612092.4625
60602	826+46.34	-22.82	619194.7255	612162.2672

- NOTES:**
1. OFFSETS SHOWN IN THE COORDINATE LIST WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.
 2. UNLESS OTHERWISE NOTED, POINT GEOMETRY ADJACENT CURB AND GUTTER IS GIVEN AT THE EDGE OF PAVEMENT.
 3. UNLESS OTHERWISE NOTED, EDGE OF PAVEMENT ELEVATIONS AT CURB RETURNS 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 ELEVATION.
 6. ALL WORK REQUIRED FOR CALCULATING AND STAKING OF GRADES SHALL BE PAID FOR UNDER ITEM 763501 - CONSTRUCTION ENGINEERING.
 7. PROPOSED CURB RADII ARE 2 FEET, UNLESS OTHERWISE NOTED.

PENNONI ASSOCIATES, INC. SHEETS: 1435
 PROJECT NO.: T202201102 DATE PLOTTED: 24 JUN 2024 @ 14:35
 MICROSTATION VERSION: SUPERVISOR USER NAME: SLUSERS OFFICE LOCATION: SOFFICE/AMNES
 MICROSTATION WORKSPACE: WORKSPACES



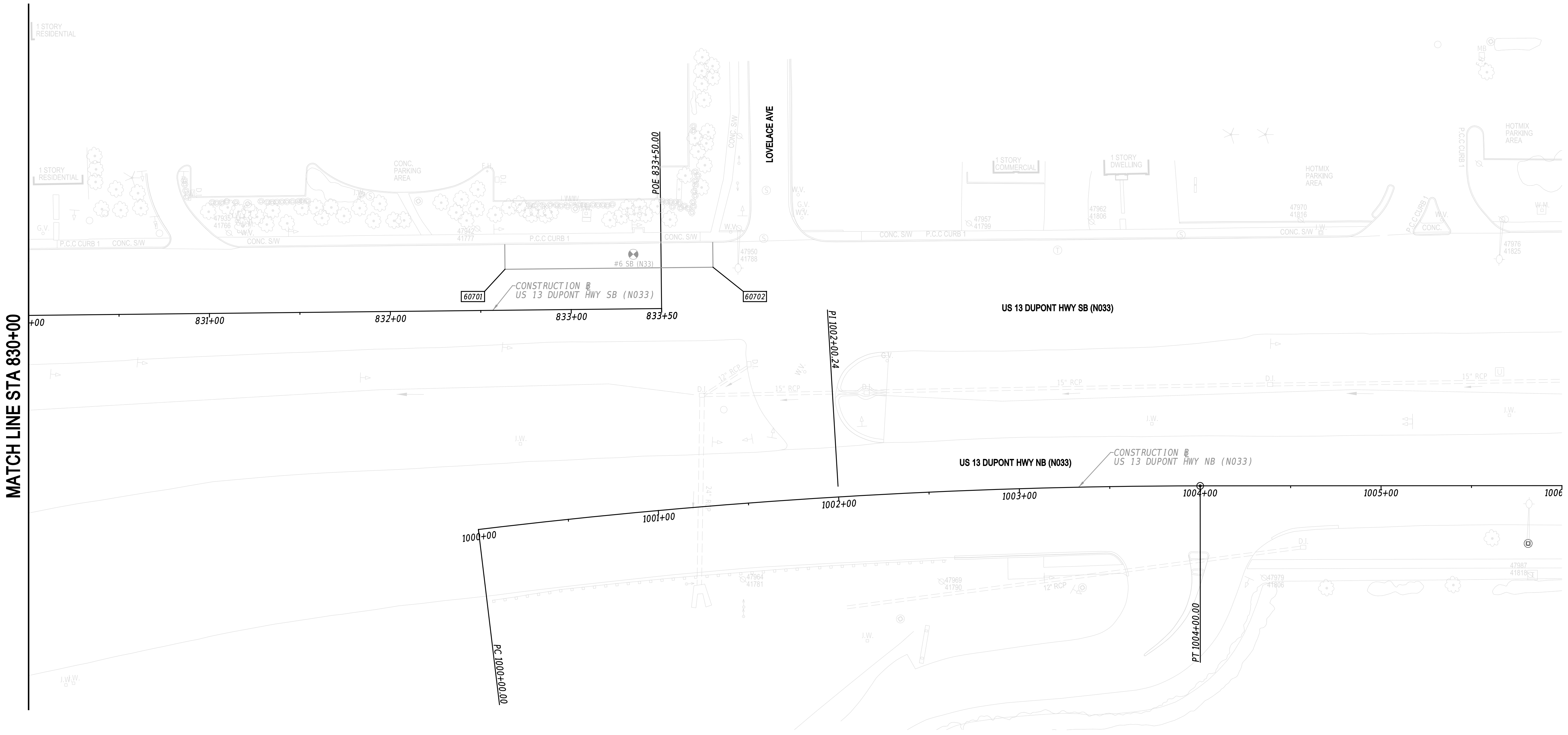
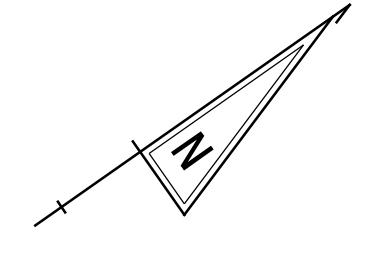
ADDENDA / REVISIONS



US 13 SOUTHBOUND BBRT LANE

CONTRACT	BRIDGE NO.	N/A
T202201102	DESIGNED BY:	A. MORJANA
COUNTY	CHECKED BY:	J. GRAY
NEW CASTLE		

GRADES AND GEOMETRICS	SECTION	GG-06
	PAI	
	SHEET NO.	24



MATCH LINE STA 830+00

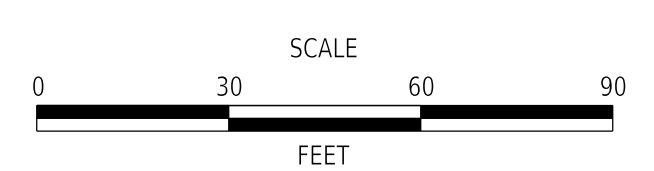
COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
60701	832+63.66	-22.67	619703.7564	612511.5100
60702	1001+40.61	-131.46	619798.4915	612576.6452

- NOTES:**
1. OFFSETS SHOWN IN THE COORDINATE LIST WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.
 2. UNLESS OTHERWISE NOTED, POINT GEOMETRY ADJACENT CURB AND GUTTER IS GIVEN AT THE EDGE OF PAVEMENT.
 3. UNLESS OTHERWISE NOTED, EDGE OF PAVEMENT ELEVATIONS AT CURB RETURNS 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 ELEVATION.
 6. ALL WORK REQUIRED FOR CALCULATING AND STAKING OF GRADES SHALL BE PAID FOR UNDER ITEM 763501 - CONSTRUCTION ENGINEERING.
 7. PROPOSED CURB RADII ARE 2 FEET, UNLESS OTHERWISE NOTED.

PENNONI ASSOCIATES, INC. SHEET NO. 25
 REV. TABLE SUPERVISOR DATE PLOTTED: 24 JUN 2024 @ 14:35
 USER NAME: SUSERS OFFICE LOCATION: SOFFICEAMER



ADDENDA / REVISIONS

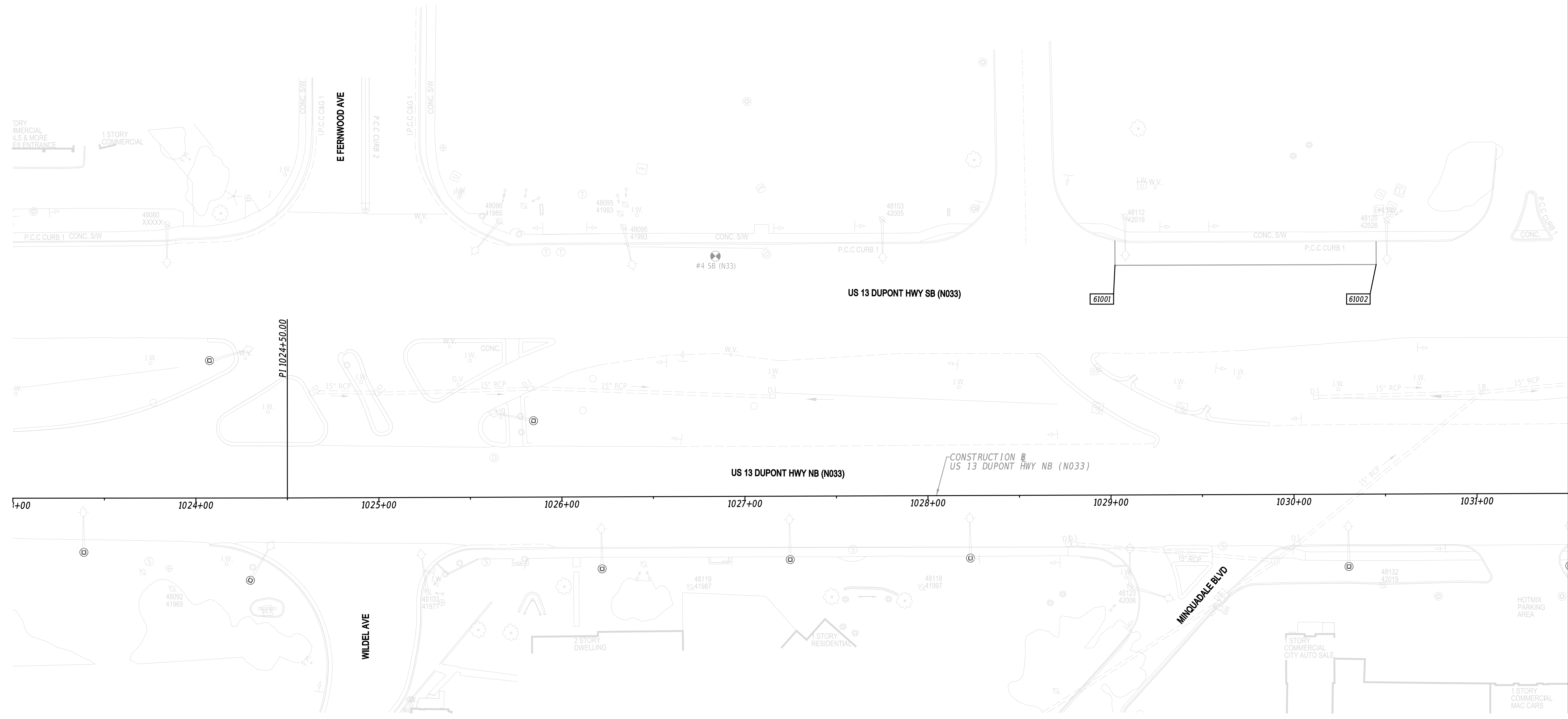
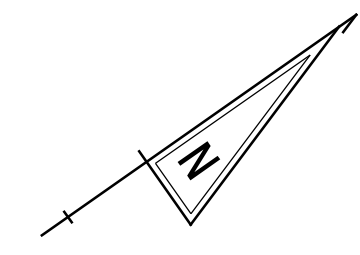


US 13 SOUTHBOUND BBRT LANE

CONTRACT	BRIDGE NO.	N/A
T202201102	DESIGNED BY:	A. MORJANA
COUNTY	CHECKED BY:	J. GRAY
NEW CASTLE		

GRADES AND GEOMETRICS

GG-07
SECTION
PAI
SHEET NO.
25



MATCH LINE STA 1031+50

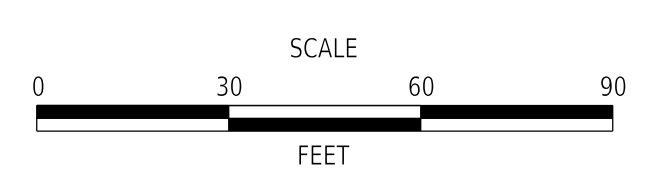
PENNONI ASSOCIATES, INC. SHEETS: 14-35
 PROJECT NO.: T202201102 DATE PLOTTED: 24 JUN 2024 @ 14:35
 CLIENT: NEW CASTLE COUNTY USER NAME: SUZERS OFFICE LOCATION: SUFFOLK COUNTY
 MICROSTATION VERSION: SUPERSONIC MICROSTATION WORKSPACE: SWORKSPACES

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
61001	1029+02.59	-125.55	622071.5845	614162.3236
61002	1030+45.31	-125.48	622188.6531	614243.9512

- NOTES:**
- OFFSETS SHOWN IN THE COORDINATE LIST WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.
 - UNLESS OTHERWISE NOTED, POINT GEOMETRY ADJACENT CURB AND GUTTER IS GIVEN AT THE EDGE OF PAVEMENT.
 - UNLESS OTHERWISE NOTED, EDGE OF PAVEMENT ELEVATIONS AT CURB RETURNS ARE GIVEN AT 10 FOOT INTERVALS.
 - RADII ARE GIVEN TO THE EDGE OF PAVEMENT.
 - PROPOSED PAVEMENT OR CURBS THAT TIE INTO EXISTING PAVEMENT OR EXISTING CURBS SHALL MATCH THE EXISTING PAVEMENT OR EXISTING CURB ELEVATION.
 - ALL WORK REQUIRED FOR CALCULATING AND STAKING OF GRADES SHALL BE PAID FOR UNDER ITEM 763501 - CONSTRUCTION ENGINEERING.
 - PROPOSED CURB RADII ARE 2 FEET, UNLESS OTHERWISE NOTED.



ADDENDA / REVISIONS

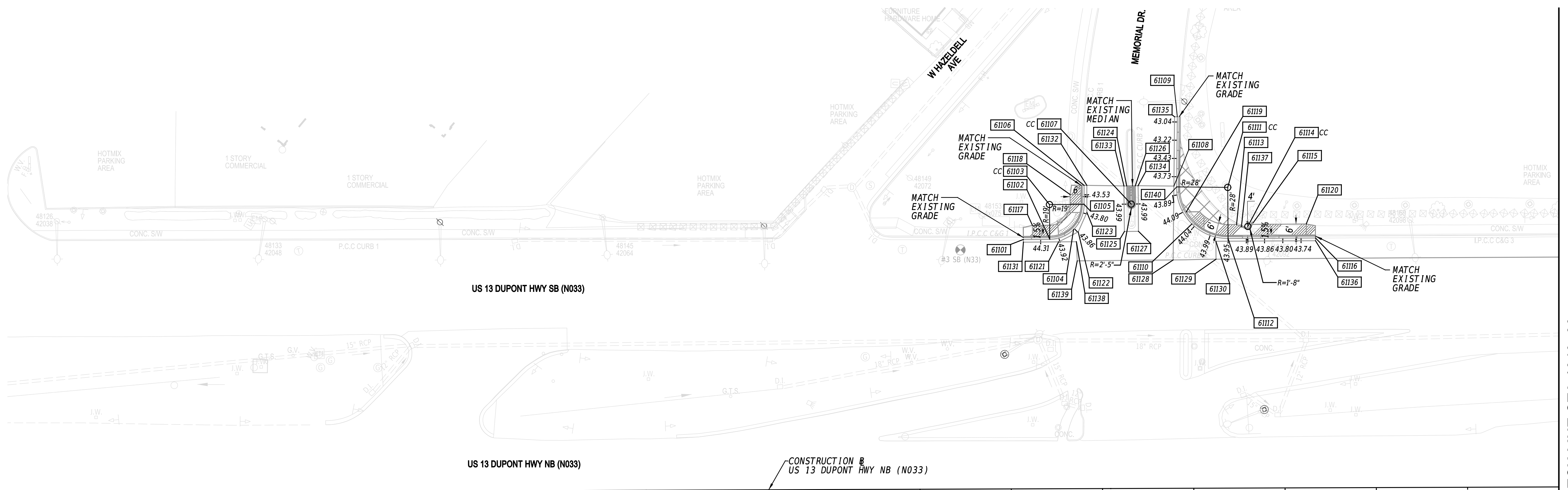
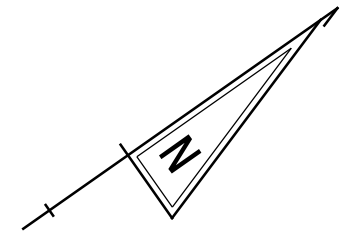


US 13 SOUTHBOUND BBRT LANE

CONTRACT	BRIDGE NO.	N/A
T202201102	DESIGNED BY:	A. MORJANA
COUNTY	CHECKED BY:	J. GRAY
NEW CASTLE		

GRADES AND GEOMETRICS

GG-10
SECTION
PAI
SHEET NO.
26



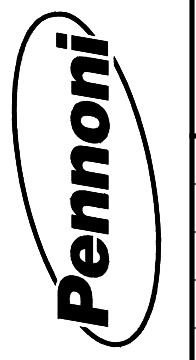
MATCH LINE STA 1040+00

PENNONI ASSOCIATES, INC. SHEET NO. 1435
 PROJECT NO. T202201102 DATE PLOTTED: 24 JUN 2024 @ 14:35
 USER NAME: SUSERS OFFICE LOCATION: SOFFICEAMEN
 MICROSTATION WORKSPACE: SWORKSPACES

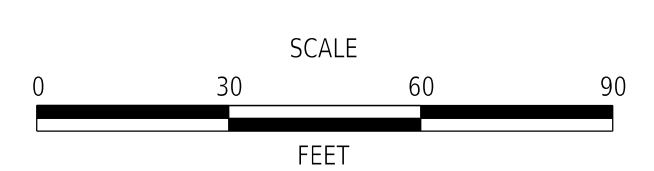
COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
61101	1037+07.11	-136.73	622738.1390	614612.9690
61102	1037+21.56	-136.80	622750.0380	614621.1685
61103	1037+21.47	-155.80	622760.8190	614605.5234
61104	1037+34.65	-142.12	622763.8181	614624.2852
61105	1037+40.47	-155.82	622776.4170	614616.3725
61106	1037+40.46	-166.29	622782.3974	614607.7742
61107	1037+66.27	-155.90	622797.6340	614631.0536
61108	1037+89.67	-165.68	622822.4268	614636.3959
61109	1037+91.68	-203.68	622845.7959	614606.3717
61110	1037+99.50	-144.92	622818.6264	614659.0558
61111	1038+19.16	-164.85	622846.1534	614653.9310
61112	1038+19.23	-136.85	622830.2053	614676.9453
61113	1038+23.95	-144.53	622838.4714	614673.3459
61114	1038+30.12	-143.45	622842.9117	614677.7608
61115	1038+33.17	-145.56	622846.6196	614677.7708
61116	1038+67.14	-136.97	622869.5903	614704.2378
61117	1037+12.11	-144.42	622746.6374	614609.5146
61118	1037+32.80	-161.28	622773.2485	614607.5013
61119	1037+96.43	-151.56	622819.9022	614651.8536
61120	1038+62.12	-144.62	622869.8473	614695.0884

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
61121	1037+26.38	-135.33	622753.1503	614625.1349
61122	1037+37.19	-140.77	622765.1252	614626.8484
61123	1037+41.97	-151.42	622775.1402	614620.8351
61124	1037+63.78	-165.88	622801.2981	614621.4427
61125	1037+62.45	-140.87	622785.9182	614641.1995
61126	1037+68.54	-165.93	622805.2301	614624.1186
61127	1037+70.18	-140.96	622792.3089	614645.5486
61128	1037+89.12	-125.20	622798.8364	614669.3034
61129	1038+12.60	-125.52	622818.2925	614682.4570
61130	1038+12.58	-135.34	622823.8832	614674.3893
61131	1037+07.12	-135.23	622737.2879	614614.2042
61132	1037+41.96	-166.29	622783.6288	614608.6307
61133	1037+62.28	-165.86	622800.0605	614620.5951
61134	1037+70.04	-165.95	622806.4726	614624.9588
61135	1037+90.18	-203.70	622844.5767	614605.4977
61136	1038+67.15	-135.47	622868.7359	614705.4707
61137	1038+26.59	-143.21	622839.8770	614675.9413
61138	1037+36.15	-135.36	622761.1790	614630.6897
61139	1037+36.56	-124.89	622755.5332	614639.5191
61140	1037+91.16	-165.23	622823.3967	614637.6174

- NOTES:**
- OFFSETS SHOWN IN THE COORDINATE LIST WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.
 - UNLESS OTHERWISE NOTED, POINT GEOMETRY ADJACENT CURB AND GUTTER IS GIVEN AT THE EDGE OF PAVEMENT.
 - UNLESS OTHERWISE NOTED, EDGE OF PAVEMENT ELEVATIONS AT CURB RETURNS ARE GIVEN AT 10 FOOT INTERVALS.
 - RADII ARE GIVEN TO THE EDGE OF PAVEMENT.
 - PROPOSED PAVEMENT OR CURBS THAT TIE INTO EXISTING PAVEMENT OR EXISTING CURBS SHALL MATCH THE EXISTING PAVEMENT OR EXISTING CURB ELEVATION.
 - ALL WORK REQUIRED FOR CALCULATING AND STAKING OF GRADES SHALL BE PAID FOR UNDER ITEM 763501 - CONSTRUCTION ENGINEERING.
 - PROPOSED CURB RADII ARE 2 FEET, UNLESS OTHERWISE NOTED.



ADDENDA / REVISIONS



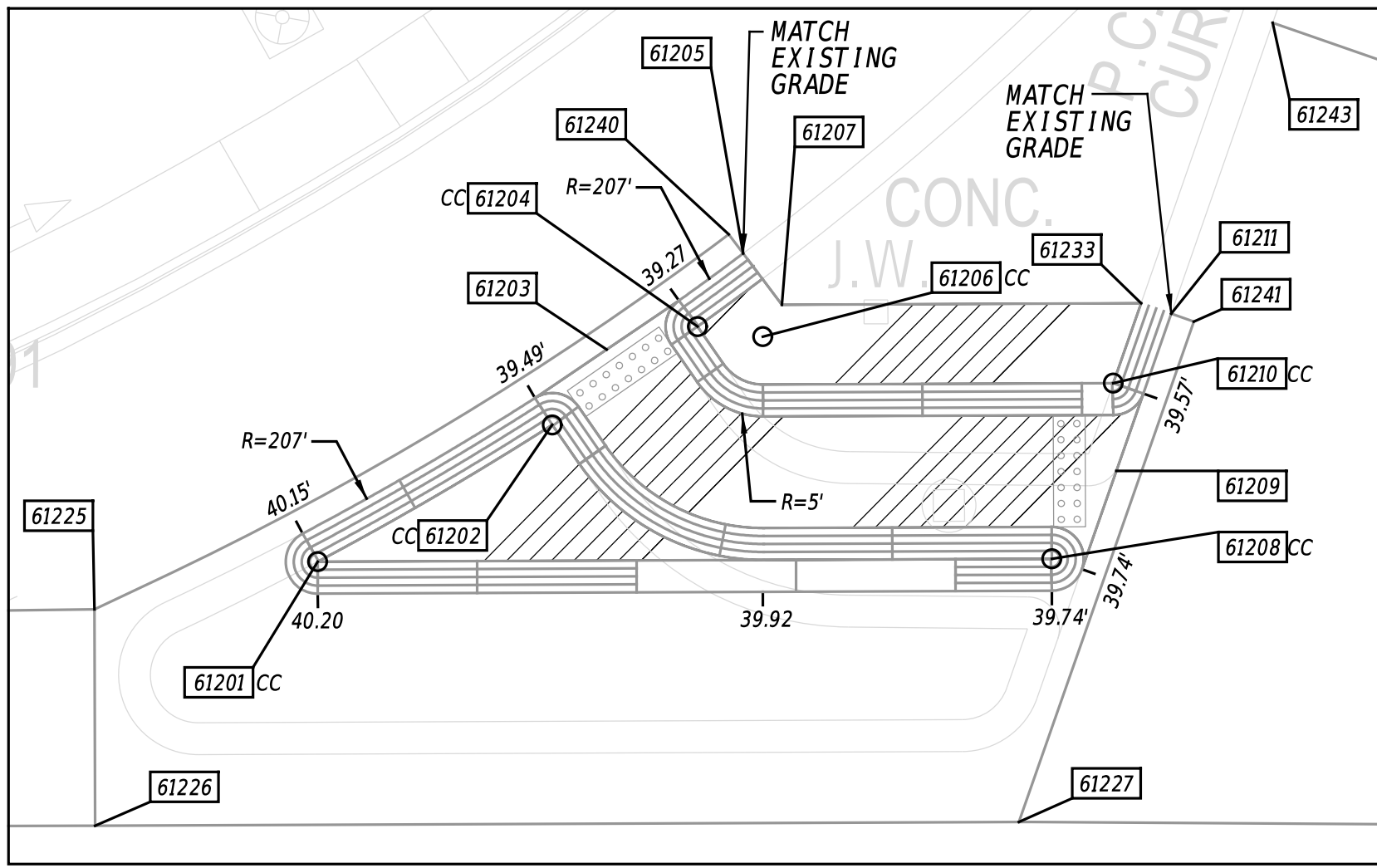
US 13 SOUTHBOUND BBRT LANE

CONTRACT	BRIDGE NO.	N/A
T202201102	DESIGNED BY:	A. MORJANA
COUNTY	CHECKED BY:	J. GRAY
NEW CASTLE		

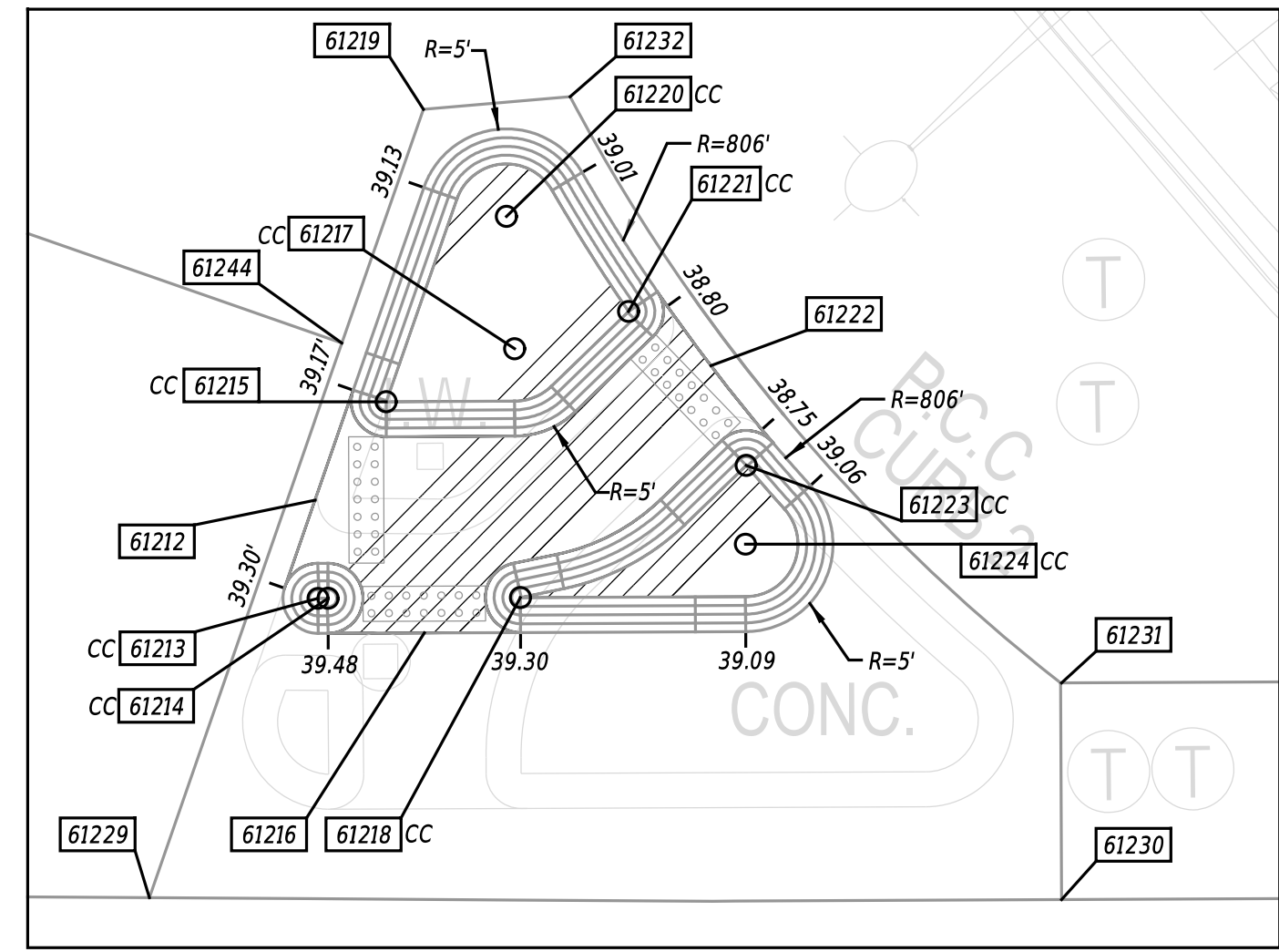
GRADES AND GEOMETRICS

GG-11
SECTION
PAI
SHEET NO.
27

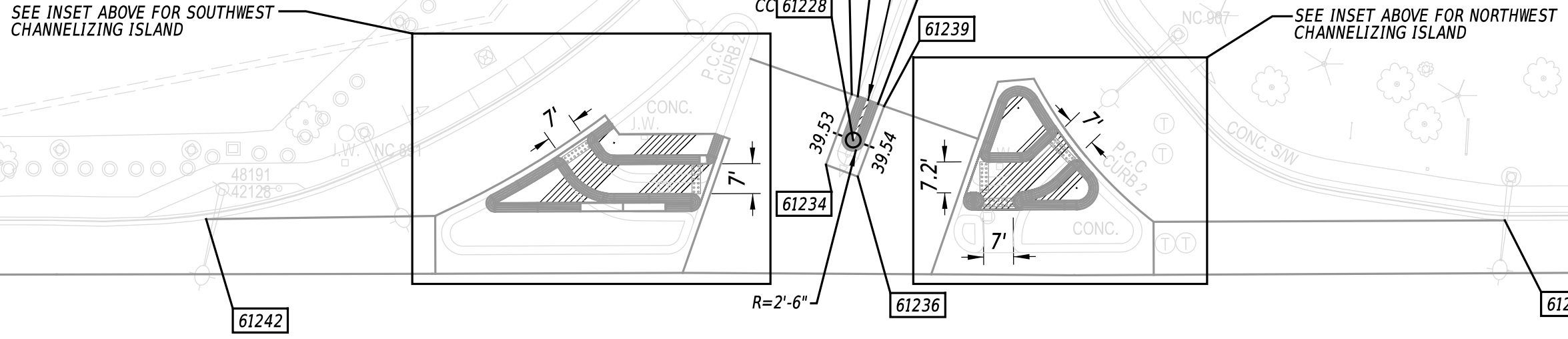
PENNONI ASSOCIATES, INC. SHEETS: 61201-61245
 PROJECT NO.: 24100-020-1435
 DATE PLOTTED: 24 JUN 2024 @ 14:35
 USER NAME: SUSERS OFFICE LOCATION: SOFFICE\MANES
 MICROSTATION VERSION: SUPERVISION: SWORKSPACES



SOUTHWEST CHANNELIZING ISLAND
SCALE: 1" = 10'



NORTHWEST CHANNELIZING ISLAND
SCALE: 1" = 10'

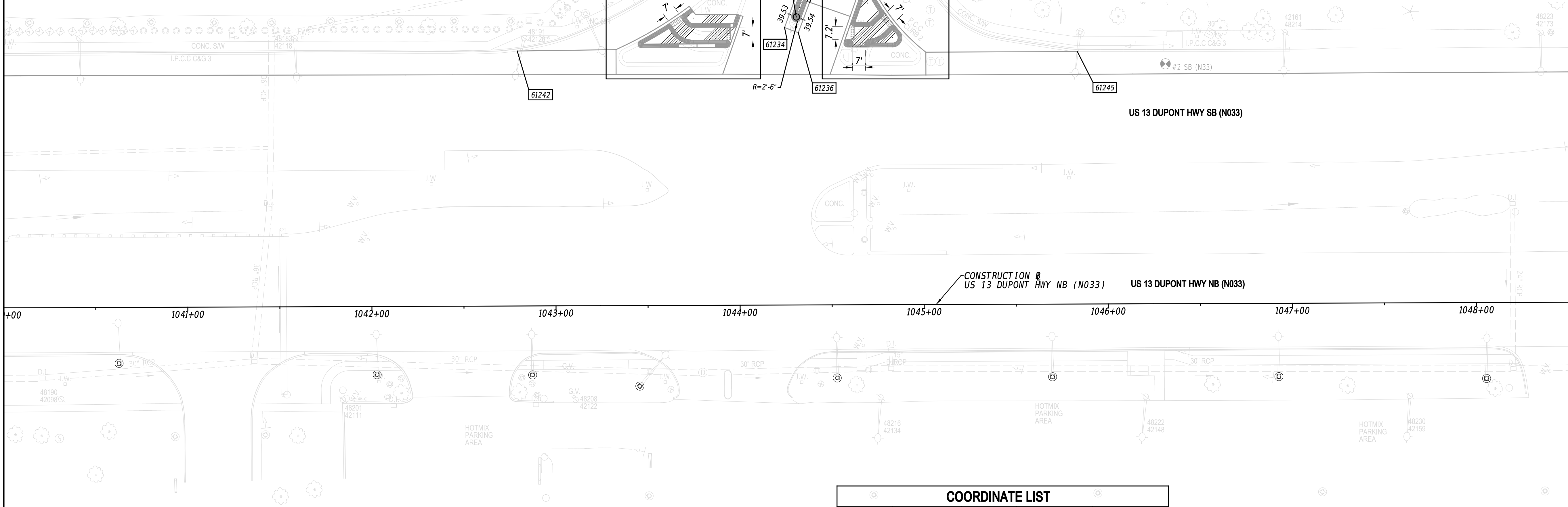


SEE INSET ABOVE FOR SOUTHWEST CHANNELIZING ISLAND

SEE INSET ABOVE FOR NORTHWEST CHANNELIZING ISLAND

MATCH LINE STA 1040+00

MATCH LINE STA 1048+50



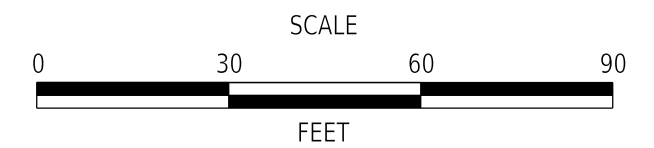
COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
61201	1043+47.09	-142.05	623266.3237	614974.3759
61202	1043+61.83	-150.58	623283.2928	614975.8049
61203	1043+65.27	-155.30	623288.8108	614973.8988
61204	1043+70.96	-156.71	623294.2920	614975.9912
61205	1043+73.84	-161.29	623299.2724	614973.8840
61206	1043+75.05	-156.06	623297.2777	614978.8604
61207	1043+76.25	-158.07	623299.4074	614977.9058
61208	1043+93.13	-142.07	623304.1134	615000.6736
61209	1043+97.20	-147.57	623310.5969	614998.4848
61210	1043+97.02	-153.07	623313.5954	614993.8708
61211	1044+00.67	-157.41	623319.0704	614992.3993
61212	1044+58.76	-147.71	623361.1979	615033.5601
61213	1044+58.92	-142.10	623358.1143	615038.2527
61214	1044+59.49	-142.10	623358.5844	615038.5798

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
61215	1044+62.86	-153.33	623367.7655	615031.2920
61216	1044+64.99	-140.10	623361.9564	615043.3630
61217	1044+70.21	-156.33	623375.5156	615033.0304
61218	1044+70.49	-142.10	623367.6132	615044.8629
61219	1044+65.04	-170.03	623379.1056	615018.8331
61220	1044+69.77	-163.90	623379.4800	615026.5682
61221	1044+76.73	-158.43	623382.0706	615035.0327
61222	1044+81.43	-155.32	623384.1445	615040.2734
61223	1044+83.43	-149.61	623382.5228	615046.0976
61224	1044+83.37	-145.11	623379.9008	615049.7589
61225	1043+33.07	-139.12	623253.1478	614968.7727
61226	1043+33.08	-125.55	623245.3948	614979.9136
61227	1043+91.00	-125.57	623292.9347	615012.9964
61228	1044+31.06	-156.52	623343.4984	615010.5037

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
61229	1044+49.22	-125.02	623340.3934	615046.7284
61230	1045+01.37	-124.73	623383.0183	615076.7713
61231	1045+01.36	-137.12	623390.0962	615066.6003
61232	1044+73.44	-170.72	623386.3886	615023.0648
61233	1043+98.78	-158.07	623317.9019	614990.7761
61234	1044+24.68	-150.78	623334.9785	615011.5606
61235	1044+32.18	-166.76	623350.2716	615002.7430
61236	1044+32.13	-147.98	623339.4915	615018.1213
61237	1044+36.92	-164.98	623353.1418	615006.9046
61238	1044+30.78	-167.28	623349.4147	615001.5119
61239	1044+38.33	-164.45	623353.9959	615008.1440
61240	1043+72.94	-162.49	623299.2221	614972.3848
61241	1044+02.08	-156.91	623319.9457	614993.6174
61242	1042+79.42	-138.55	623208.7963	614938.5712
61243	1044+07.10	-175.63	623334.7630	614981.1226
61244	1044+60.33	-156.69	623367.6121	615027.0923
61245	1045+83.65	-137.15	623457.6370	615113.6017

- NOTES:**
- OFFSETS SHOWN IN THE COORDINATE LIST WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.
 - UNLESS OTHERWISE NOTED, POINT GEOMETRY ADJACENT CURB AND GUTTER IS GIVEN AT THE EDGE OF PAVEMENT.
 - UNLESS OTHERWISE NOTED, EDGE OF PAVEMENT ELEVATIONS AT CURB RETURNS ARE GIVEN AT 10 FOOT INTERVALS.
 - RADII ARE GIVEN TO THE EDGE OF PAVEMENT.
 - PROPOSED PAVEMENT OR CURBS THAT TIE INTO EXISTING PAVEMENT OR EXISTING CURBS SHALL MATCH THE EXISTING PAVEMENT OR EXISTING CURB ELEVATION.
 - ALL WORK REQUIRED FOR CALCULATING AND STAKING OF GRADES SHALL BE PAID FOR UNDER ITEM 763501 - CONSTRUCTION ENGINEERING.
 - PROPOSED CURB RADII ARE 2 FEET, UNLESS OTHERWISE NOTED.

ADDENDA / REVISIONS

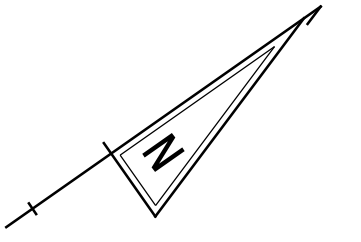


US 13 SOUTHBOUND BBR T LANE

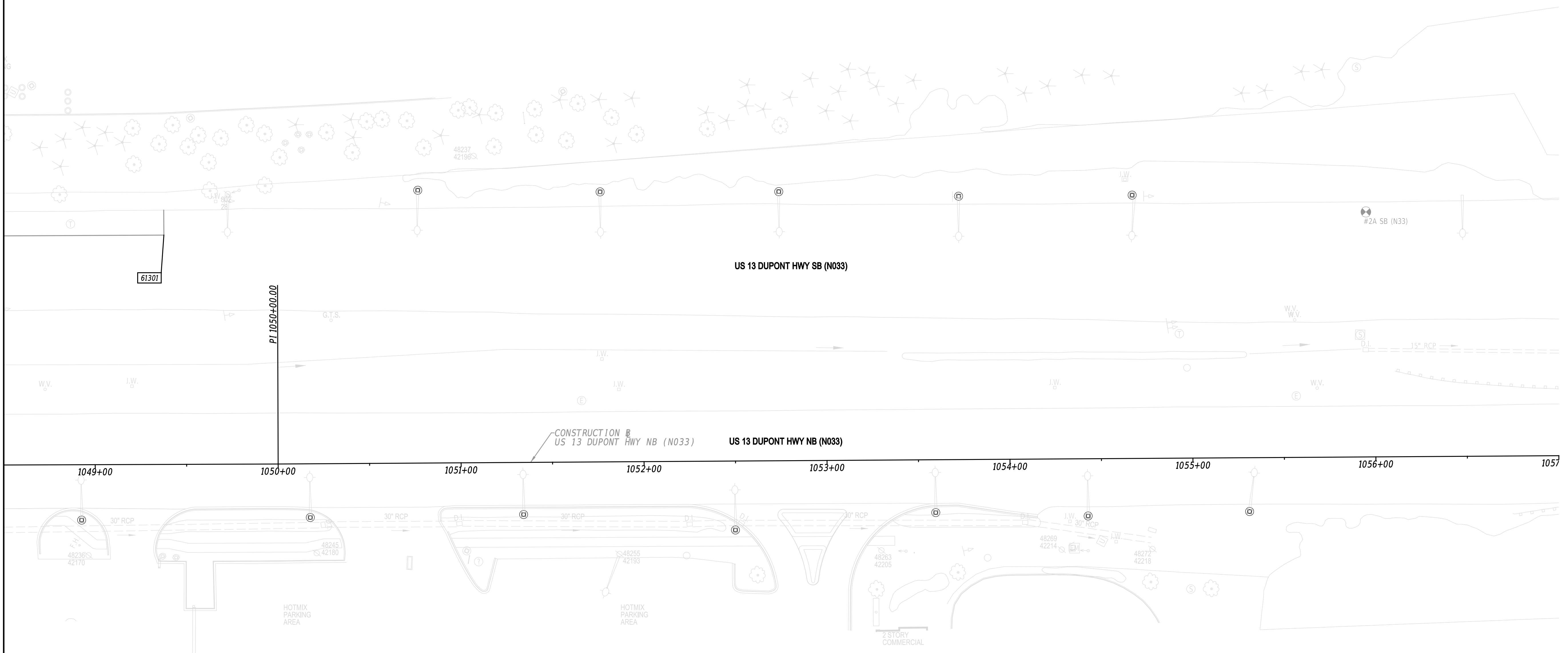
CONTRACT	BRIDGE NO.	N/A
T202201102	DESIGNED BY:	A. MORJANA
COUNTY	CHECKED BY:	J. GRAY
NEW CASTLE		

GRADES AND GEOMETRICS

GG-12
SECTION
PAI
SHEET NO.
28



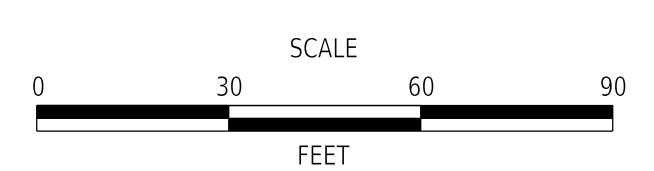
MATCH LINE STA 1048+50



PENNONI ASSOCIATES, INC. SHEET NO. 1435
 PROJECT NO. T202201102 DATE PLOTTED: 24 JUN 2024 @ 14:35
 MICROSTATION VERSION: SUPERDIMS USER NAME: SUISERS OFFICE LOCATION: SOFFICE/AMNES
 MICROSTATION WORKSPACE: SWORKSPACES

- NOTES:**
- OFFSETS SHOWN IN THE COORDINATE LIST WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.
 - UNLESS OTHERWISE NOTED, POINT GEOMETRY ADJACENT CURB AND GUTTER IS GIVEN AT THE EDGE OF PAVEMENT.
 - UNLESS OTHERWISE NOTED, EDGE OF PAVEMENT ELEVATIONS AT CURB RETURNS ARE GIVEN AT 10 FOOT INTERVALS.
 - RADII ARE GIVEN TO THE EDGE OF PAVEMENT.
 - PROPOSED PAVEMENT OR CURBS THAT TIE INTO EXISTING PAVEMENT OR EXISTING CURBS SHALL MATCH THE EXISTING PAVEMENT OR EXISTING CURB ELEVATION.
 - ALL WORK REQUIRED FOR CALCULATING AND STAKING OF GRADES SHALL BE PAID FOR UNDER ITEM 763501 - CONSTRUCTION ENGINEERING.
 - PROPOSED CURB RADII ARE 2 FEET, UNLESS OTHERWISE NOTED.

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
61301	1049+37.97	-125.27	623741.5947	615325.8630

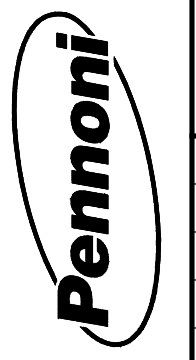


US 13 SOUTHBOUND BBRT LANE

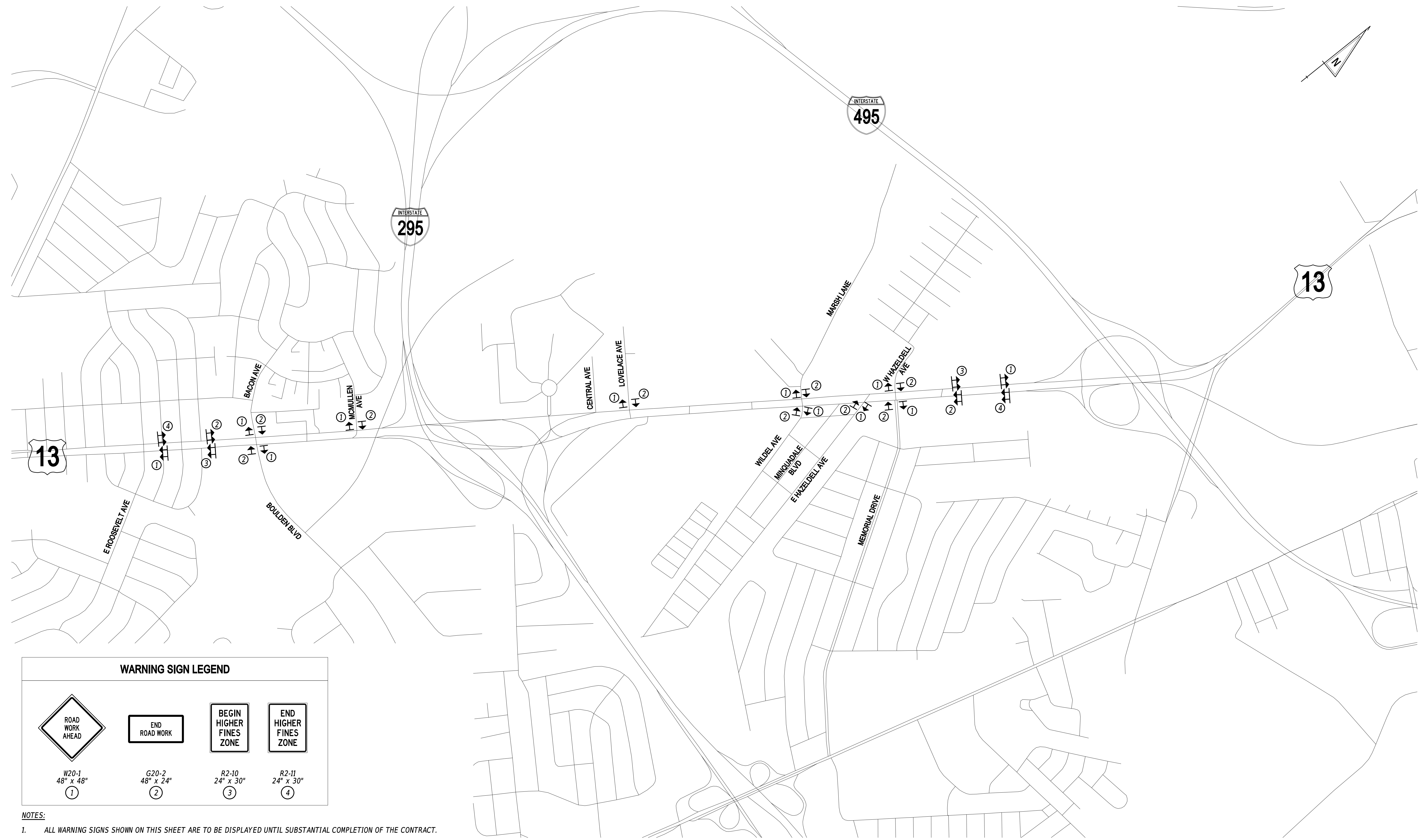
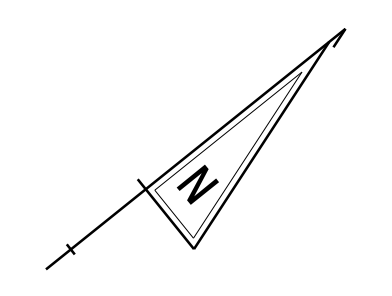
CONTRACT	BRIDGE NO.	N/A
T202201102	DESIGNED BY:	A. MORJANA
COUNTY	CHECKED BY:	J. GRAY
NEW CASTLE		

GRADES AND GEOMETRICS

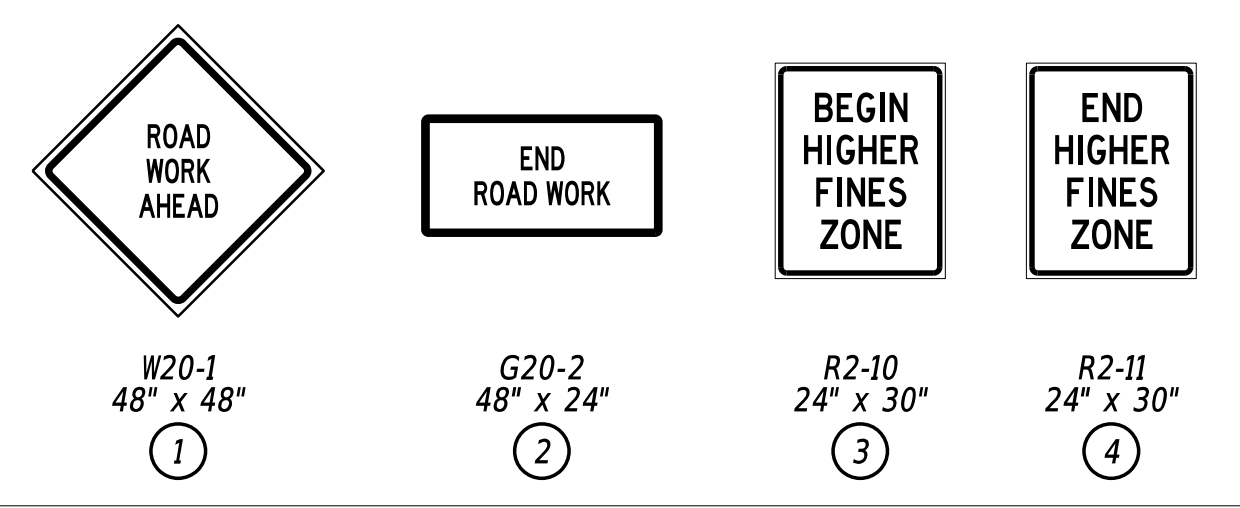
GG-13
SECTION
PAI
SHEET NO.
29



ADDENDA / REVISIONS



WARNING SIGN LEGEND



- NOTES:**
- ALL WARNING SIGNS SHOWN ON THIS SHEET ARE TO BE DISPLAYED UNTIL SUBSTANTIAL COMPLETION OF THE CONTRACT.
 - ANY EXISTING SIGNS THAT CONFLICT WITH CONSTRUCTION WARNING SIGNS SHALL BE COVERED AS NEEDED, AS DIRECTED BY THE ENGINEER.

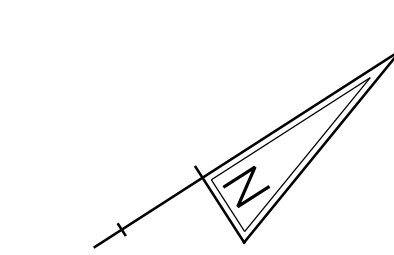
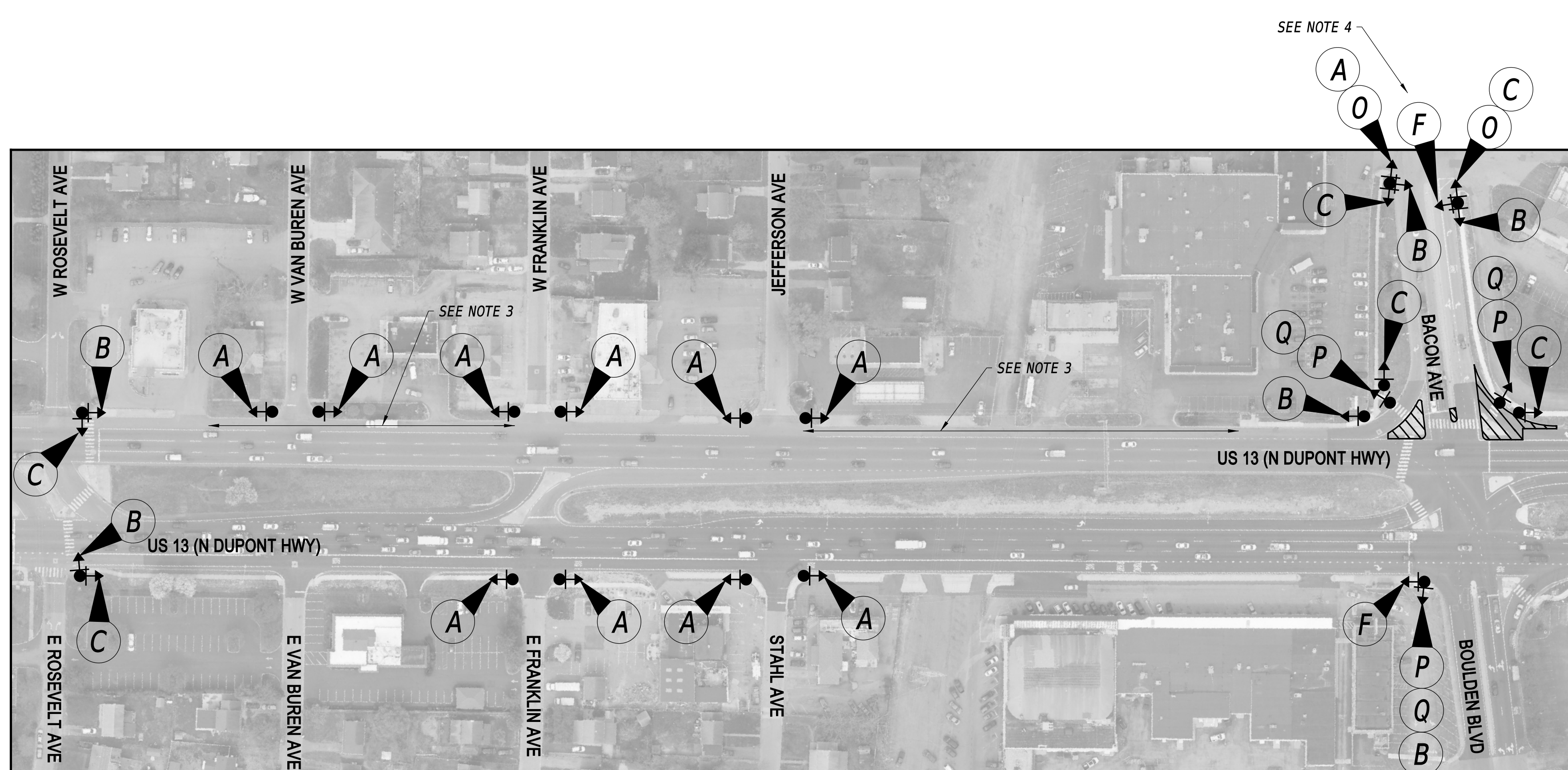
PENNONI ASSOCIATES, INC. SHEET NO. 31
 PROJECT NO. T202201102 DATE PLOTTED: 12-FEB-2023 @ 10:38
 MICROSTATION VERSION: SUPERDINA USER NAME: SUSERS OFFICE LOCATION: SUFFOLK/MAINES
 MICROSTATION WORKSPACE: SWORKSPACES



ADDENDA / REVISIONS	NOT TO SCALE	US 13 SOUTHBOUND BBR T LANE	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: small;">CONTRACT</td> <td style="font-size: small;">BRIDGE NO.</td> <td style="text-align: center;">N/A</td> </tr> <tr> <td style="font-size: small;">T202201102</td> <td style="font-size: small;">DESIGNED BY:</td> <td style="font-size: small;">T. LORD</td> </tr> <tr> <td style="font-size: small;">COUNTY</td> <td style="font-size: small;">CHECKED BY:</td> <td style="font-size: small;">Z. BRANDER</td> </tr> <tr> <td style="font-size: small;">NEW CASTLE</td> <td></td> <td></td> </tr> </table>	CONTRACT	BRIDGE NO.	N/A	T202201102	DESIGNED BY:	T. LORD	COUNTY	CHECKED BY:	Z. BRANDER	NEW CASTLE			PERMANENT WARNING SIGN SHEET	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: x-small;">SECTION</td> <td style="text-align: center;">PAI</td> </tr> <tr> <td style="font-size: x-small;">SHEET NO.</td> <td style="text-align: center;">31</td> </tr> </table>	SECTION	PAI	SHEET NO.	31
CONTRACT	BRIDGE NO.	N/A																			
T202201102	DESIGNED BY:	T. LORD																			
COUNTY	CHECKED BY:	Z. BRANDER																			
NEW CASTLE																					
SECTION	PAI																				
SHEET NO.	31																				

SPECIAL SIGNS

SPECIAL NOTES



LEGEND

 M4-9b-DE	 M4-9b-DE	 M4-9b-DE
 M4-9b-DE	 M4-9b-DE	 M4-9b-DE1
 R9-8	 R9-10	
 R9-11(L)	 R9-11(R)	
 R9-11a(L)	 R9-11a(R)	 R9-9(MOD)
 R9-9	 R9-9(MOD)	 R9-9(MOD)
		 R9-9(MOD)

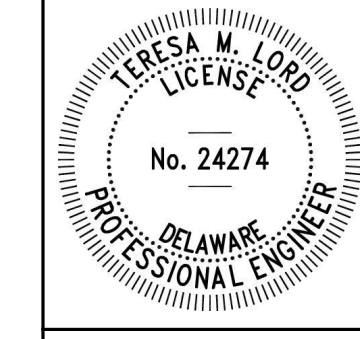
GENERAL NOTES

- 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.
- BARRICADES SHALL BE A MINIMUM OF 4 FEET WIDE UNLESS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL INSTALL PEDESTRIAN CHANNELIZING BARRICADE SYSTEMS (ITEM 813002) IN THE EXISTING SHOULDER ALONG US 13 IN LOCATIONS WHERE SIDEWALKS ARE NOT PRESENT. THE CONTRACTOR SHALL ALSO INSTALL TEMPORARY PEDESTRIAN CONNECTIONS (ITEM 705528) FOR ACCESS TO THE PEDESTRIAN CHANNELIZING BARRICADE SYSTEM. ACCESS SHALL BE MAINTAINED TO ALL SIDE STREETS AT ALL TIMES.
- PEDESTRIAN FLAGGERS SHALL BE PRESENT DURING WORK HOURS AT THE BACON AVENUE AND COMMERCIAL ACCESS INTERSECTION TO DIRECT PEDESTRIANS ACROSS BACON AVENUE. WHEN FLAGGERS ARE NOT PRESENT, THE PEDESTRIAN CROSSING OF BACON AVENUE SHALL BE ACCESSIBLE TO PEDESTRIANS.

CONCURRENCE FOR IMPLEMENTATION

James Wynn _____ DATE: 6/21/2024

PREPARED BY
PENNONI ASSOCIATES INC.
Teresa Lord 5/29/2024
DATE



QA/QC *Josh B...* 5/29/2024
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.

DETOUR PLAN LEGEND

- SIGN / BARRICADE LOC
- WORK AREA

ADDENDA / REVISIONS

NOT TO SCALE

US 13 SOUTHBOUND BBR T LANE

CONTRACT	PERMIT NO.	N/A
T202201102	DESIGNED BY:	C. COURTNEY
COUNTY	CHECKED BY:	T. LORD
NEW CASTLE		

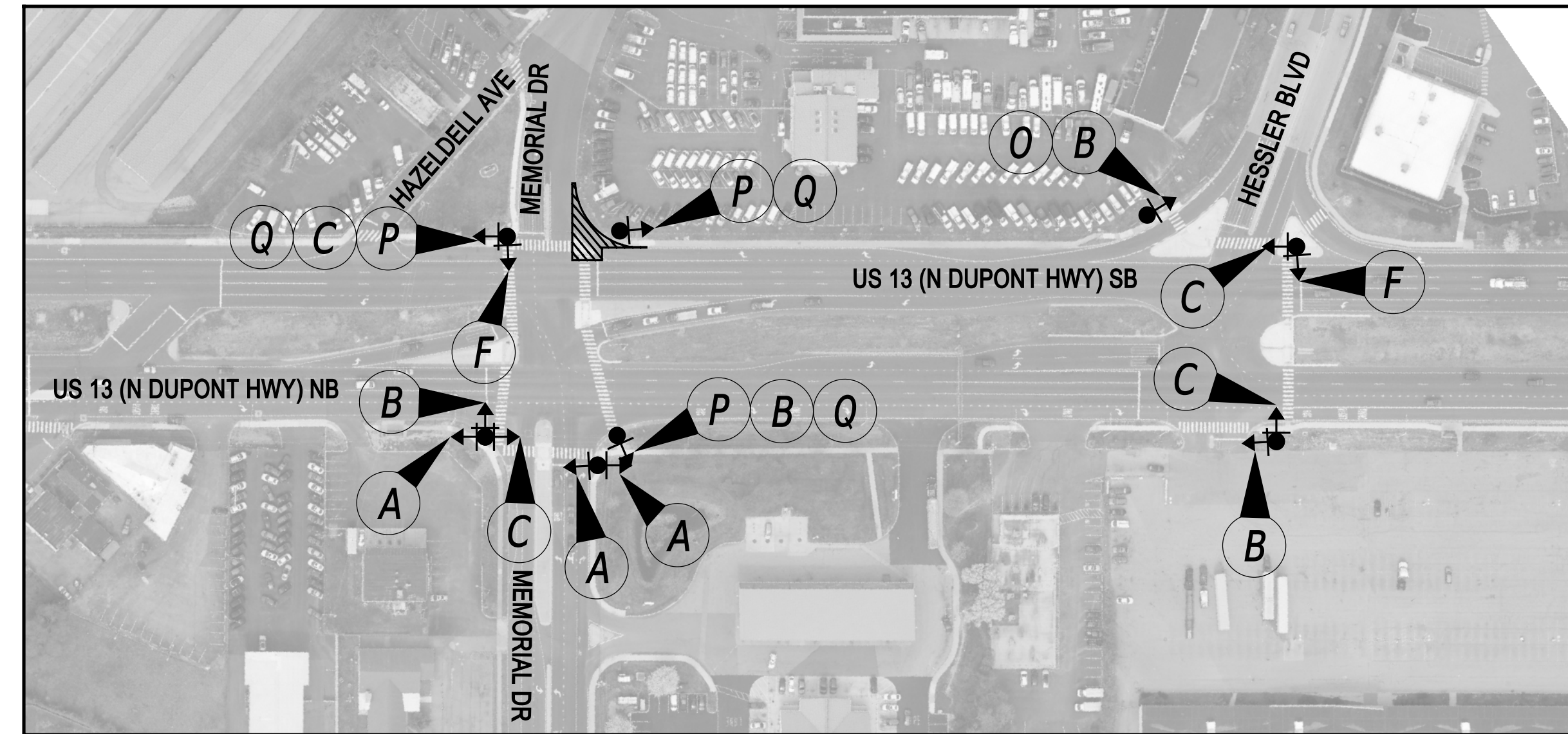
**DETOUR PLAN
PEDESTRIAN
US 13 @ BACON AVE**

SECTION	PAI
SHEET NO.	32

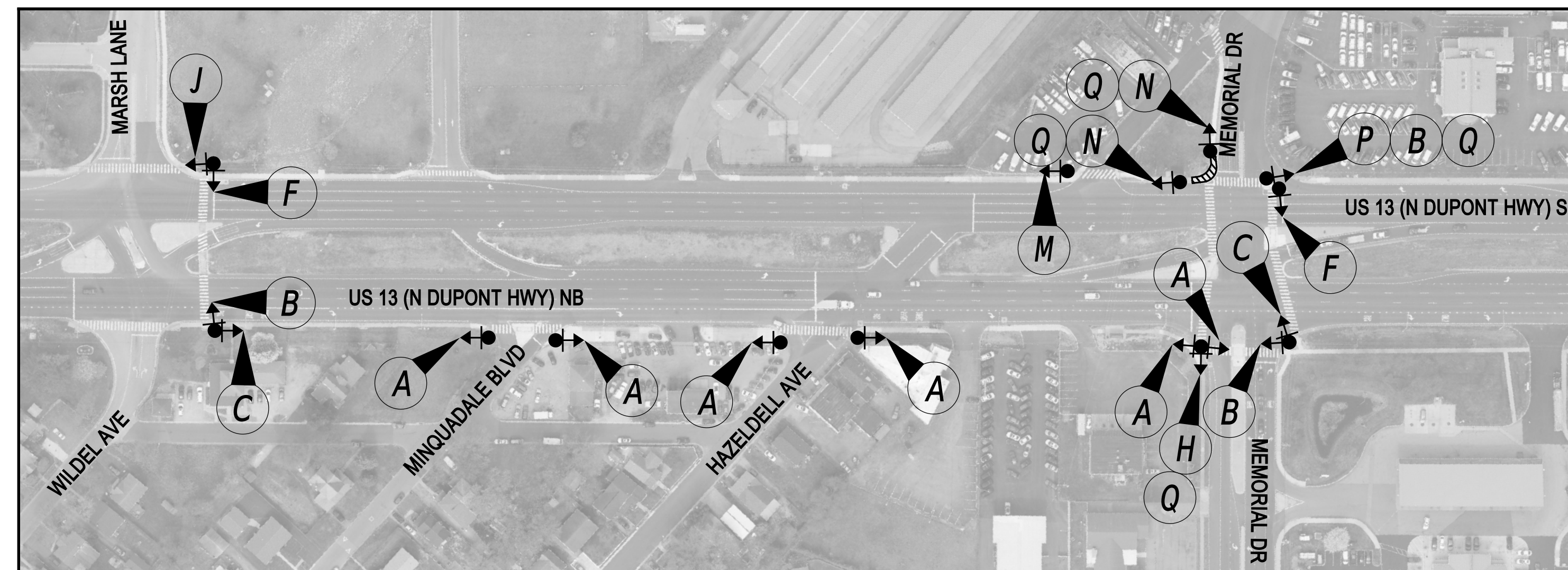
LAST REVISED: 9/11/2018
 29-MAY-2024
 11.21
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SPECIAL SIGNS

PHASE 2A



PHASE 2B



LEGEND

GENERAL NOTES

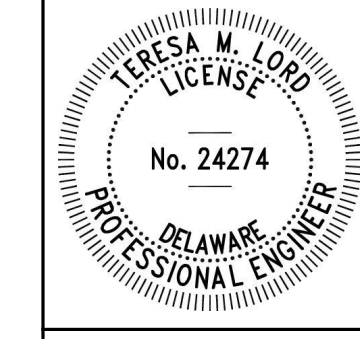
- ALL TEMPORARY TRAFFIC CONTROL DEVICES ARE TO BE SUPPLIED AND MAINTAINED BY THE GENERAL CONTRACTOR AND SHALL BE IN COMPLIANCE WITH THIS PLAN AND THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (DE MUTCD) LATEST EDITION.
- BARRICADES SHALL BE A MINIMUM OF 4 FEET WIDE UNLESS DIRECTED BY THE ENGINEER.

CONCURRENCE FOR IMPLEMENTATION

James Wayne 6/21/2024

SPECIAL NOTES

PREPARED BY
PENNONI ASSOCIATES INC.
Teressa Lord
5/29/2024



QA/QC
Josh Bink
5/29/2024

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.

DETOUR PLAN LEGEND

- SIGN / BARRICADE LOC
- WORK AREA

ADDENDA / REVISIONS

NOT TO SCALE

US 13 SOUTHBOUND BBRT LANE

CONTRACT	PERMIT NO.	N/A
T202201102	DESIGNED BY:	C. COURTNEY
COUNTY	CHECKED BY:	T. LORD
NEW CASTLE		

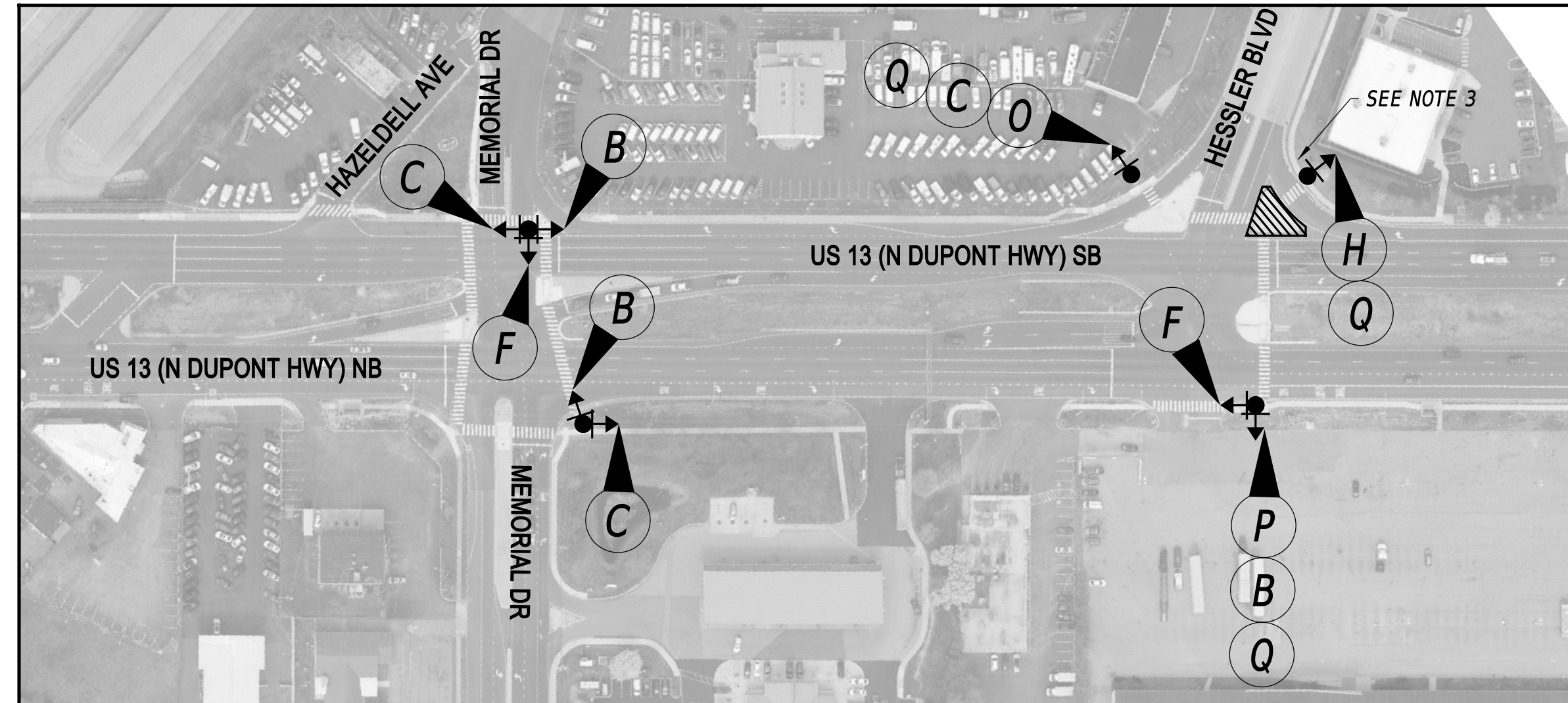
DETOUR PLAN
PEDESTRIAN
US 13 @ MEMORIAL DR

SECTION	PAI
SHEET NO.	33

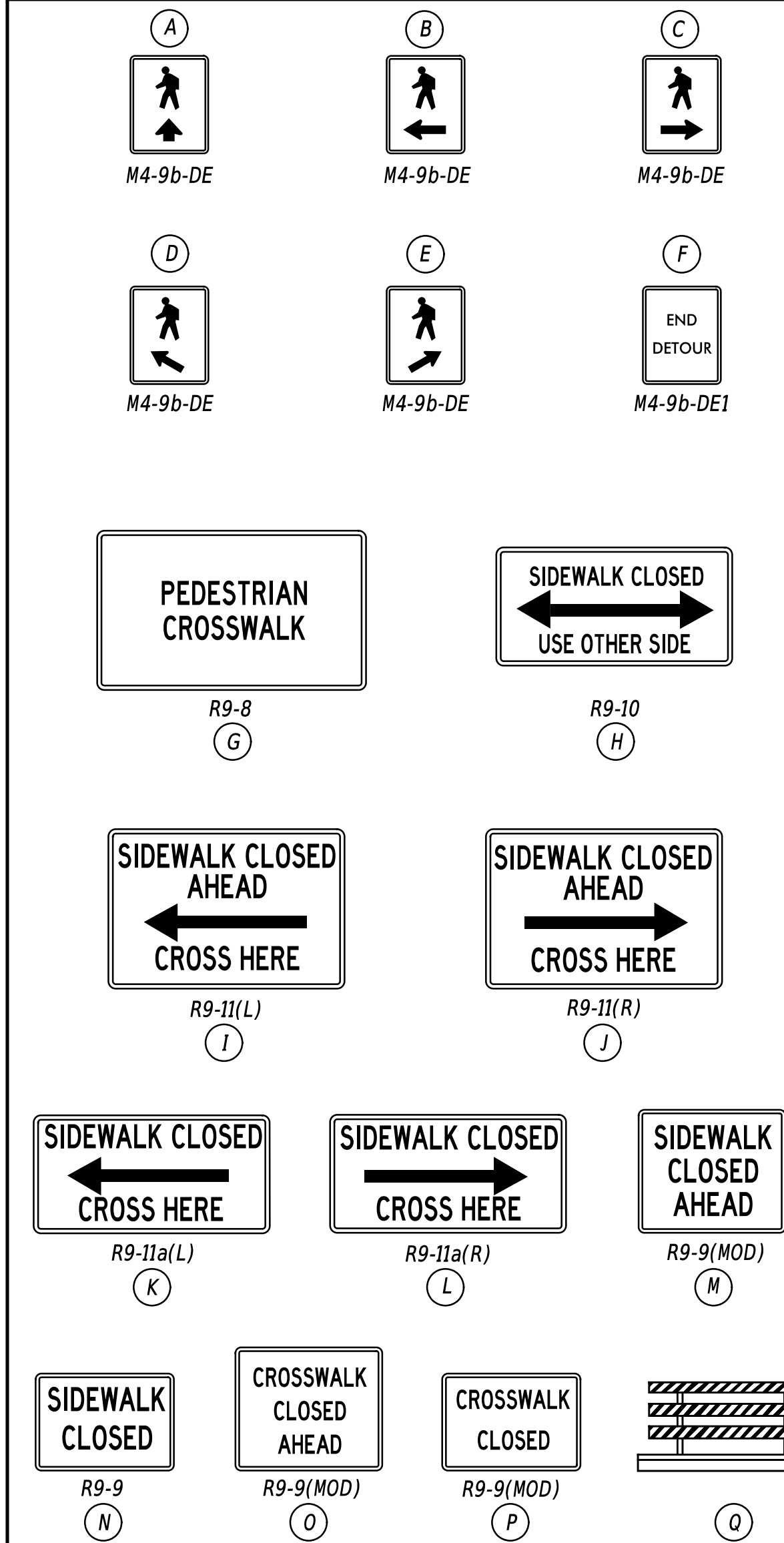
LAST REVISED: 9/11/2018
 29-MAY-2024
 11.21
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SPECIAL SIGNS

PHASE 3A

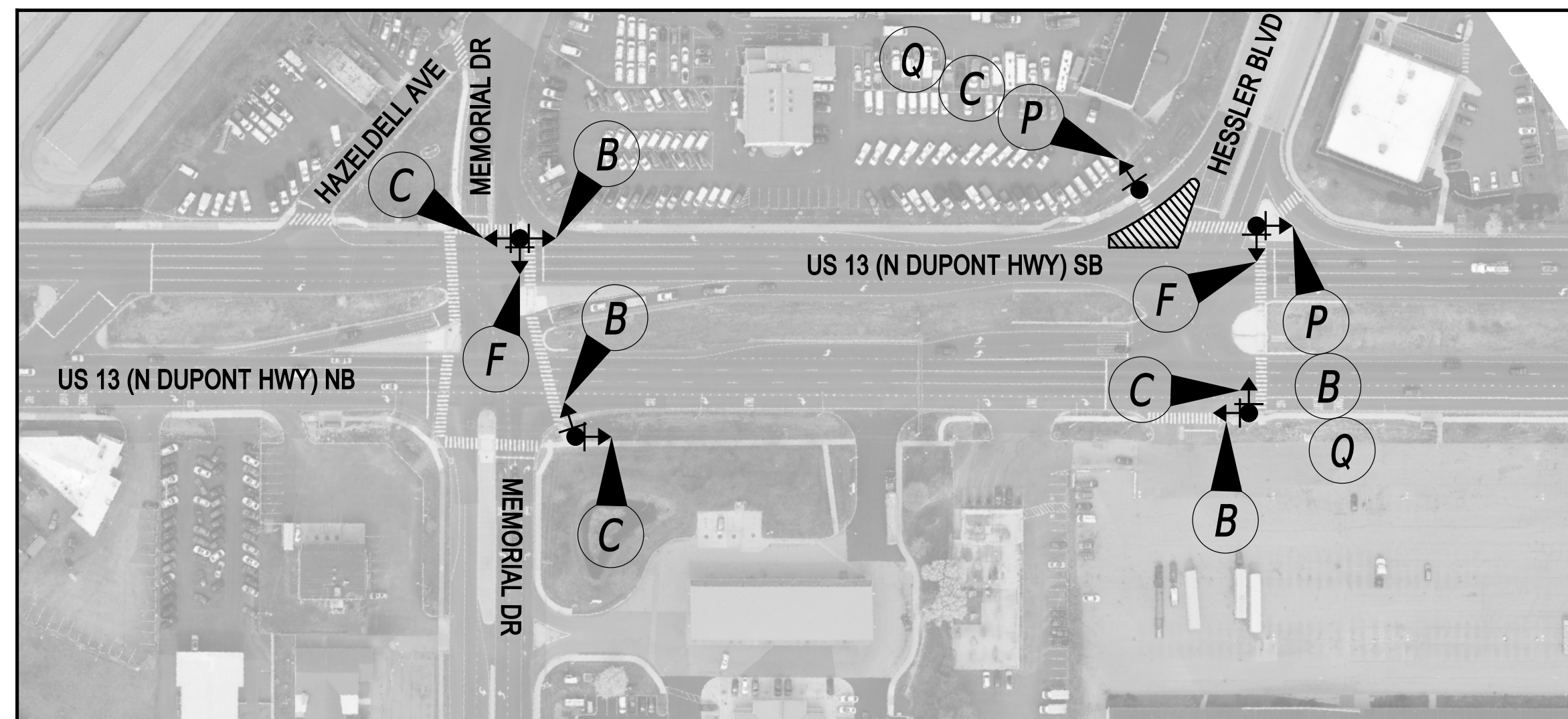


LEGEND



SPECIAL NOTES

PHASE 3B



- GENERAL NOTES**
- 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.
 - BARRICADES SHALL BE A MINIMUM OF 4 FEET WIDE UNLESS DIRECTED BY THE ENGINEER.
 - PEDESTRIAN FLAGGERS SHALL BE PRESENT DURING WORK HOURS AT US 13 AND HESSLER BLVD INTERSECTION TO DIRECT PEDESTRIANS ACROSS HESSLER BLVD. WHEN FLAGGERS ARE NOT PRESENT, THE PEDESTRIAN CROSSING OF HESSLER BLVD SHALL BE ACCESSIBLE TO PEDESTRIANS.

PREPARED BY
PENNONI ASSOCIATES INC.



Teresa Lord
5/29/2024
DATE

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

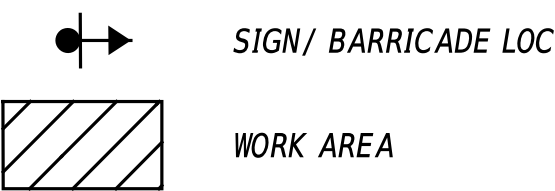
SEAL

Josh Bink
5/29/2024
DATE

QA/QC

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.

DETOUR PLAN LEGEND



CONCURRENCE FOR IMPLEMENTATION

James Wynn 6/21/2024
TRAFFIC SAFETY DATE

ADDENDA / REVISIONS

NOT TO SCALE

US 13 SOUTHBOUND BBRT LANE

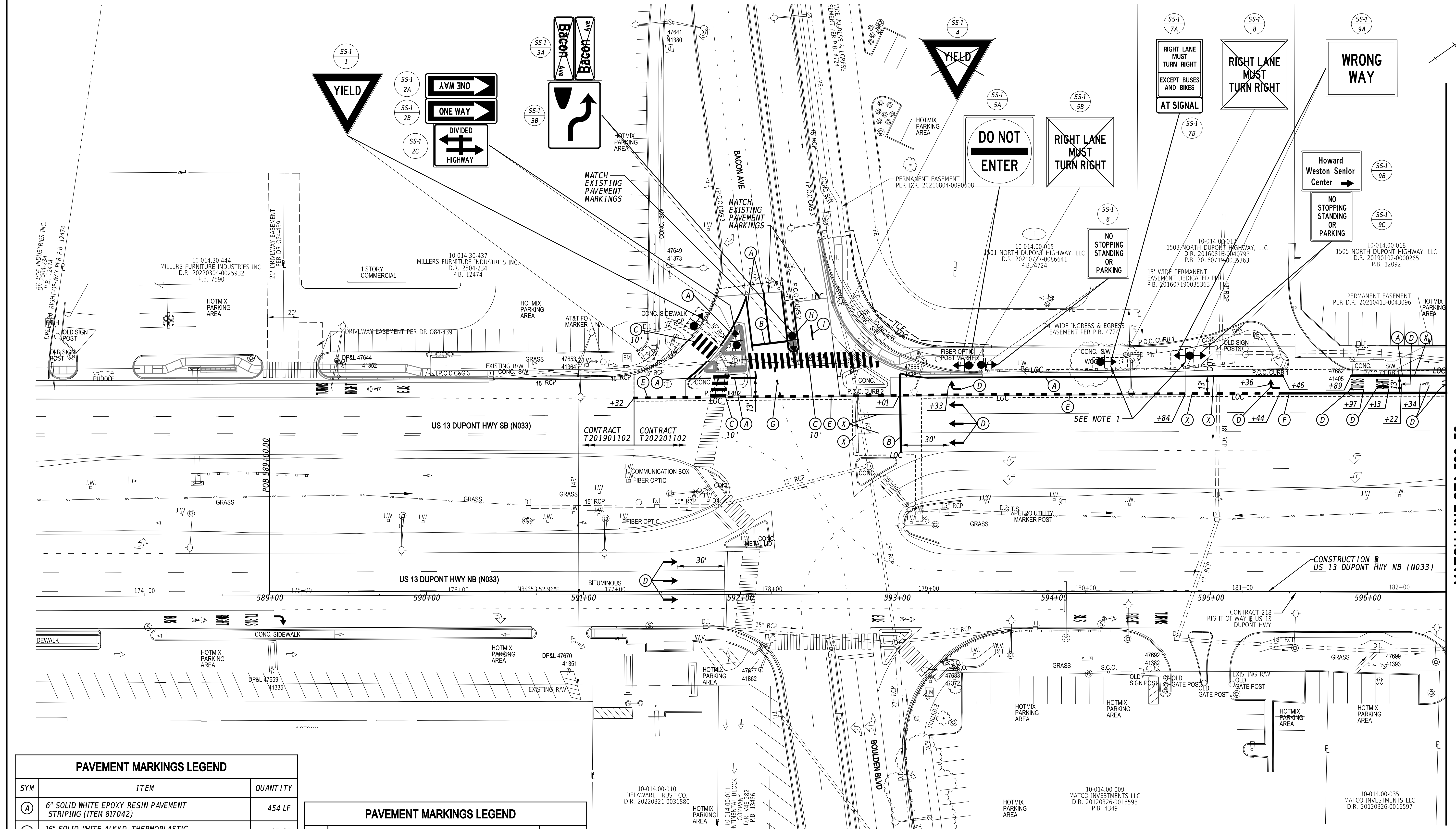
CONTRACT	PERMIT NO.	N/A
T202201102	DESIGNED BY:	C. COURTNEY
COUNTY	CHECKED BY:	T. LORD
NEW CASTLE		

**DETOUR PLAN
PEDESTRIAN
US 13 @ HESSLER BLVD**

SECTION	PAI
SHEET NO.	34

LAST REVISED: 9/11/2018
 29-MAY-2024
 11:22
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PENNONI ASSOCIATES, INC. SHEETS: 143B
 REV. TABLE: 24 JUN 2024 @ 14:36
 DATE PLOTTED: 24 JUN 2024 @ 14:36
 USER NAME: SUSERS OFFICE LOCATION: SUFFOLK/CAMERES
 MICROSTATION VERSION: SUPERSONA
 MICROSTATION WORKSPACE: SWORKSPACES

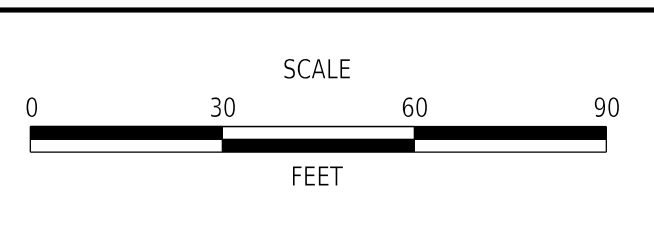


PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(A)	6" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 817042)	454 LF
(B)	16" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 817002)	97 SF
(C)	24" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 817002)	580 SF
(D)	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL/LEGEND (ITEM 817002)	210 SF
(E)	12" DOTTED WHITE EPOXY RESIN PAVEMENT STRIPING 2' LINE AND 6' GAP (ITEM 817043)	100 LF
(F)	12" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 817043)	106 LF

PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(G)	6" DOTTED WHITE ALKYD-THERMOPLASTIC PAVEMENT STRIPING, 2' LINE AND 6' GAP (ITEM 817038)	6 LF
(H)	6" SOLID YELLOW EPOXY RESIN PAINT PAVEMENT STRIPING (ITEM 817042)	74 LF
(I)	6" BROKEN WHITE EPOXY RESIN PAINT PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 817042)	10 LF
(X)	REMOVAL OF PAVEMENT STRIPING (ITEM 817031)	138 SF

- NOTES:**
- THE PROPOSED TRAFFIC SIGN POSTS FOR SIGN ASSEMBLIES 7 AND 9 SHALL BE PLACED WITHIN THE STATE'S RIGHT-OF-WAY AND OUTSIDE THE DEFLECTION AREA OF THE EXISTING GUARDRAIL.
 - BUS / BIKE / RIGHT TURN PAVEMENT MARKINGS SHALL CONSIST OF 8-FOOT LETTER HEIGHT WITH 8-FOOT SPACING BETWEEN EACH LINE. THE BIKE SYMBOL SHALL CONSIST OF A HELMETED BICYCLIST SYMBOL WITH A 2'x6' ARROW SYMBOL.

ADDENDA / REVISIONS	



US 13 SOUTHBOUND BBRT LANE

CONTRACT	BRIDGE NO.	N/A
T202201102	DESIGNED BY:	A. MORJANA
COUNTY	CHECKED BY:	T. LORD
NEW CASTLE		

SIGNING, STRIPING AND CONDUIT PLAN

SS-01
SECTION
PAI
SHEET NO.
35

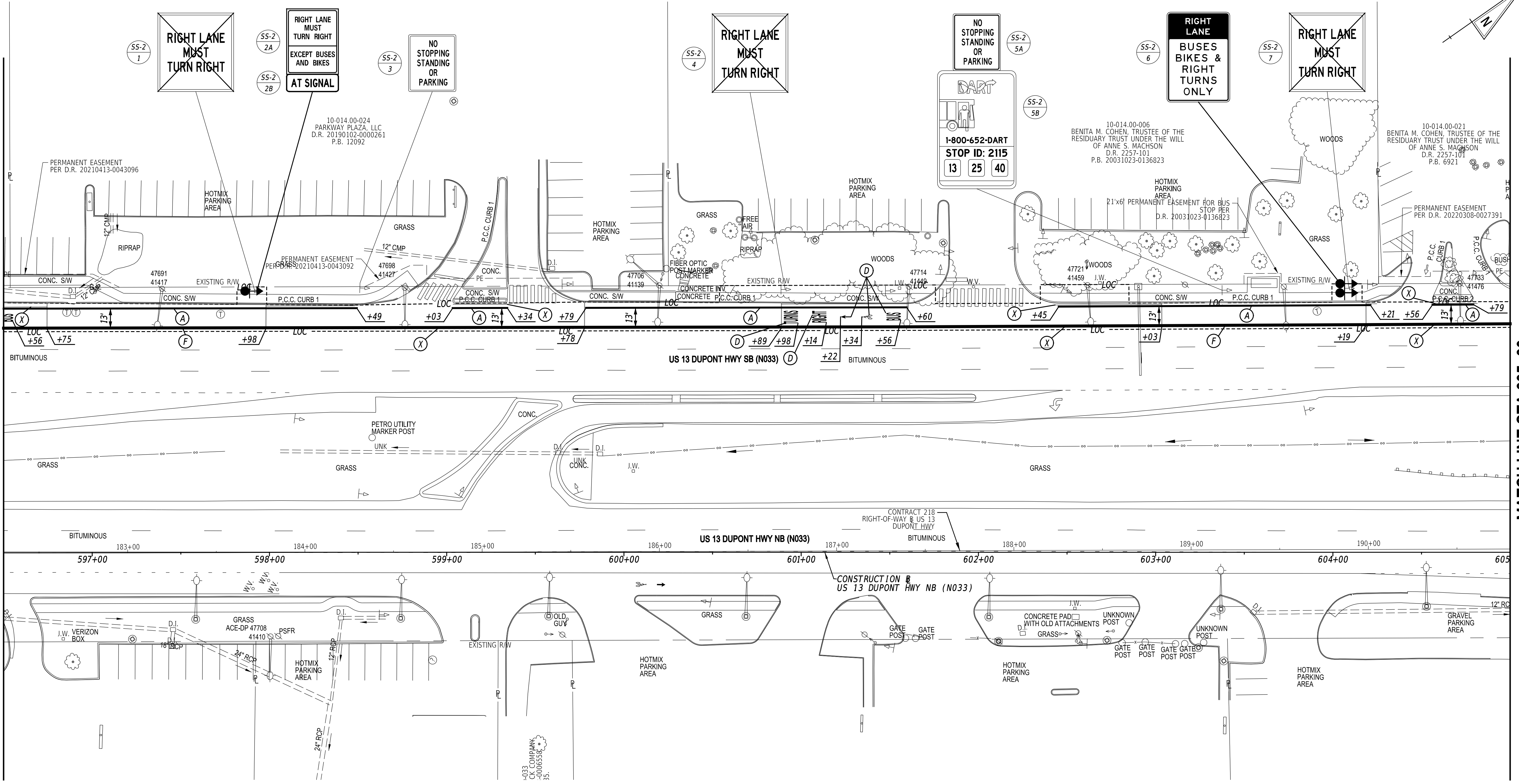
MATCH LINE STA 596+50

PENNONI ASSOCIATES, INC. SHEETS: 143B
 PROJECT: US 13 SOUTHBOUND BRT LANE
 DATE PLOTTED: 24 JUN 2024 @ 14:38
 MICROSTATION VERSION: SUBSPACES
 MICROSTATION WORKSPACE: SUBSPACES
 USER NAME: SUSERS OFFICE LOCATION: SOFFICEAMRES



MATCH LINE STA 596+50

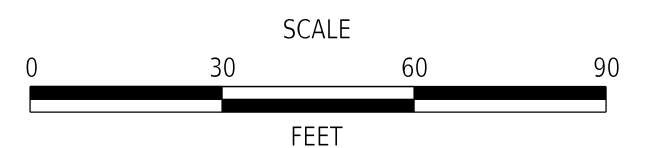
MATCH LINE STA 605+00



PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(A)	6" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 817042)	611 LF
(D)	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL/LEGEND (ITEM 817002)	104 SF
(F)	12" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 817043)	850 LF
(X)	REMOVAL OF PAVEMENT STRIPING (ITEM 817031)	163 SF

NOTES:
 1. BUS / BIKE / RIGHT TURN PAVEMENT MARKINGS SHALL CONSIST OF 8-FOOT LETTER HEIGHT WITH 8-FOOT SPACING BETWEEN EACH LINE. THE BIKE SYMBOL SHALL CONSIST OF A HELMETED BICYCLIST SYMBOL WITH A 2'X6' ARROW SYMBOL.

ADDENDA / REVISIONS

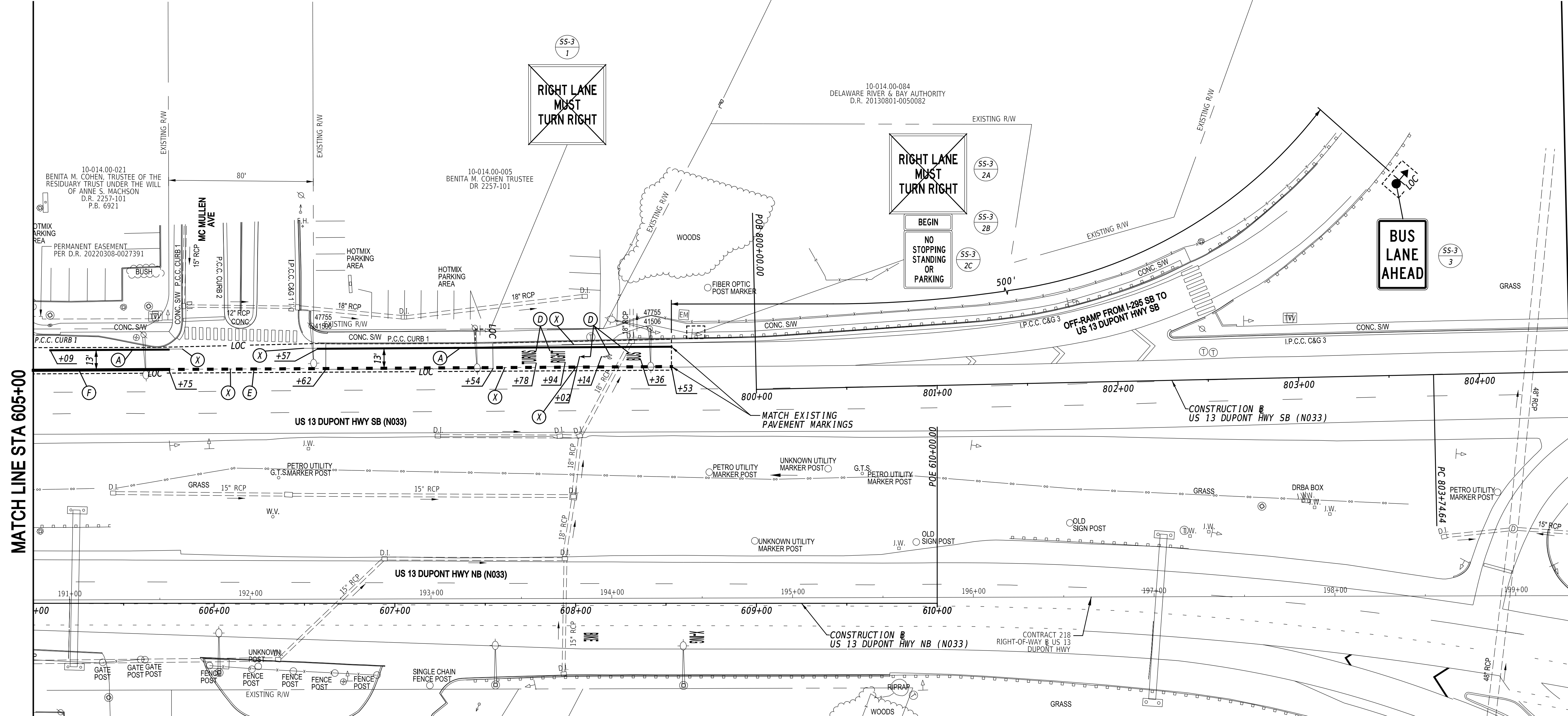
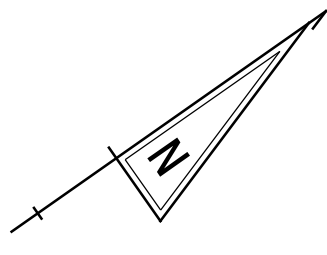


US 13 SOUTHBOUND BRT LANE

CONTRACT	BRIDGE NO.	N/A
T202201102	DESIGNED BY:	A. MORJANA
COUNTY	CHECKED BY:	T. LORD
NEW CASTLE		

SIGNING, STRIPING AND CONDUIT PLAN

SS-02
SECTION
PAI
SHEET NO.
36



MATCH LINE STA 605+00

MATCH LINE STA 804+50

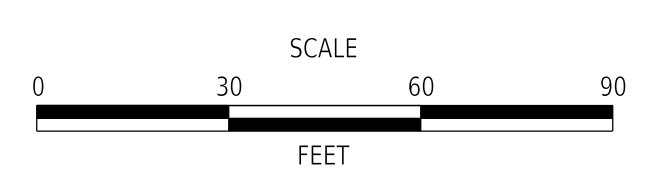
PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(A)	6" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 817042)	260 LF
(D)	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL/LEGEND (ITEM 817002)	104 SF
(E)	12" DOTTED WHITE EPOXY RESIN PAVEMENT STRIPING 2' LINE AND 6' GAP (ITEM 817043)	70 LF
(F)	12" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 817043)	75 LF
(X)	REMOVAL OF PAVEMENT STRIPING (ITEM 817031)	125 SF

- NOTES:**
- BUS / BIKE / RIGHT TURN PAVEMENT MARKINGS SHALL CONSIST OF 8-FOOT LETTER HEIGHT WITH 8-FOOT SPACING BETWEEN EACH LINE. THE BIKE SYMBOL SHALL CONSIST OF A HELMETED BICYCLIST SYMBOL WITH A 2'X6' ARROW SYMBOL.

PENNONI ASSOCIATES, INC. SHEETS: 143B
 REV. TABLE: 24 JUN 2024 @ 14:38
 DATE PLOTTED: 24 JUN 2024 @ 14:38
 USER NAME: SLUSERS OFFICE LOCATION: SUFFOLK/CAMERON
 MICROSTATION VERSION: SURVISION
 MICROSTATION WORKSPACE: SWORKSPACES



ADDENDA / REVISIONS

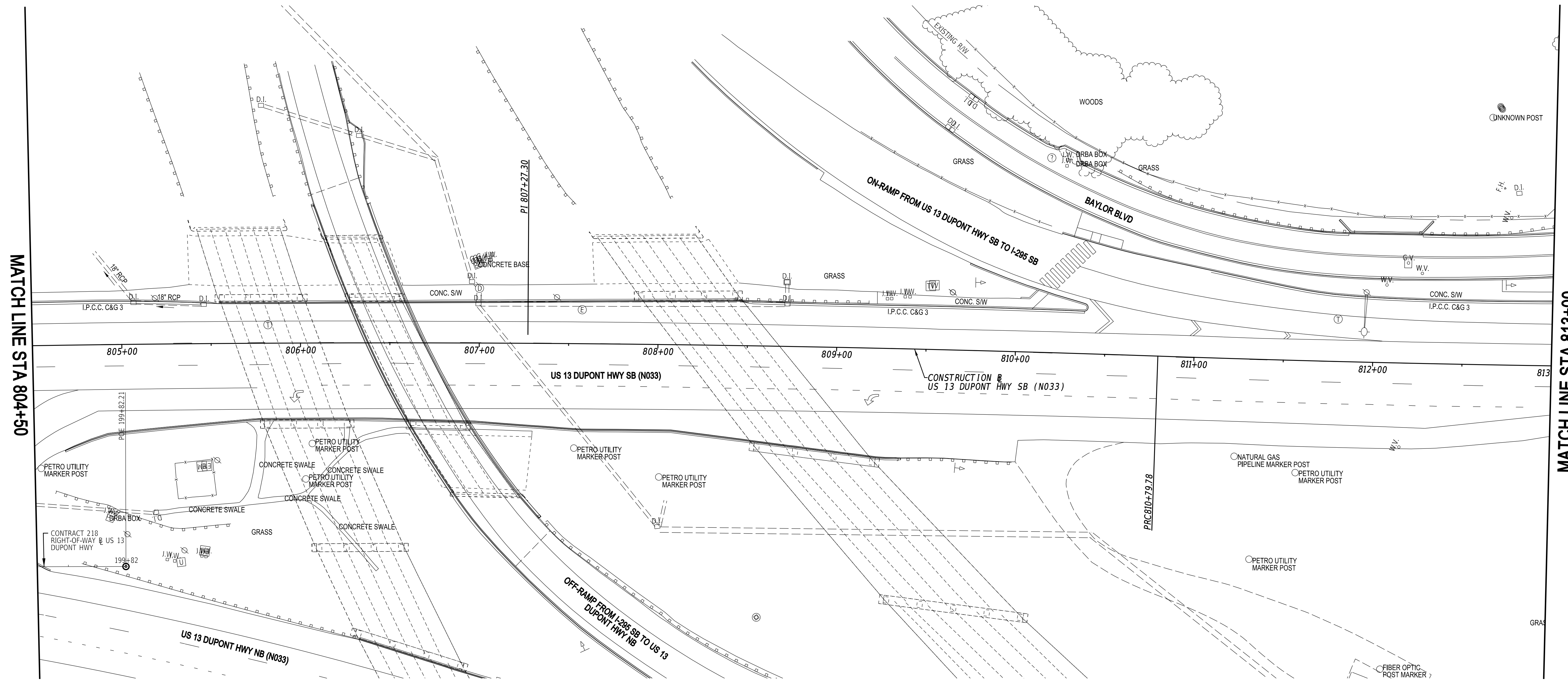
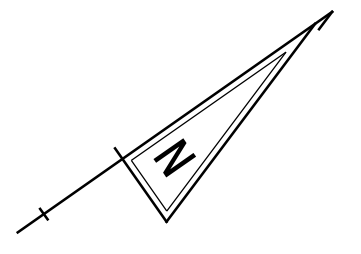


US 13 SOUTHBOUND BBR T LANE

CONTRACT	BRIDGE NO.	1-665
T202201102	DESIGNED BY:	A. MORJANA
COUNTY	CHECKED BY:	T. LORD
NEW CASTLE		

SIGNING, STRIPING AND CONDUIT PLAN

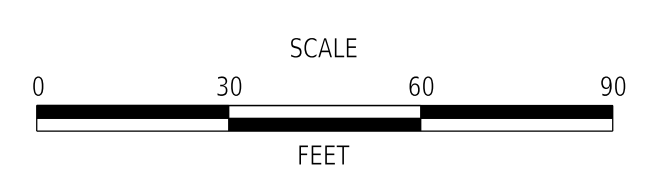
SS-03
SECTION
PAI
SHEET NO.
37



PENNONI ASSOCIATES, INC.
 SHEET NO. 38
 DATE PLOTTED: 24 JUN 2024 @ 14:38
 USER NAME: SUSERS OFFICE LOCATION: SOFFICEAMMS
 MICROSTATION WORKSPACE: SWORKSPACES
 SUPERVISOR: SUTHERLAND
 CONTRACTOR: SUTHERLAND



ADDENDA / REVISIONS

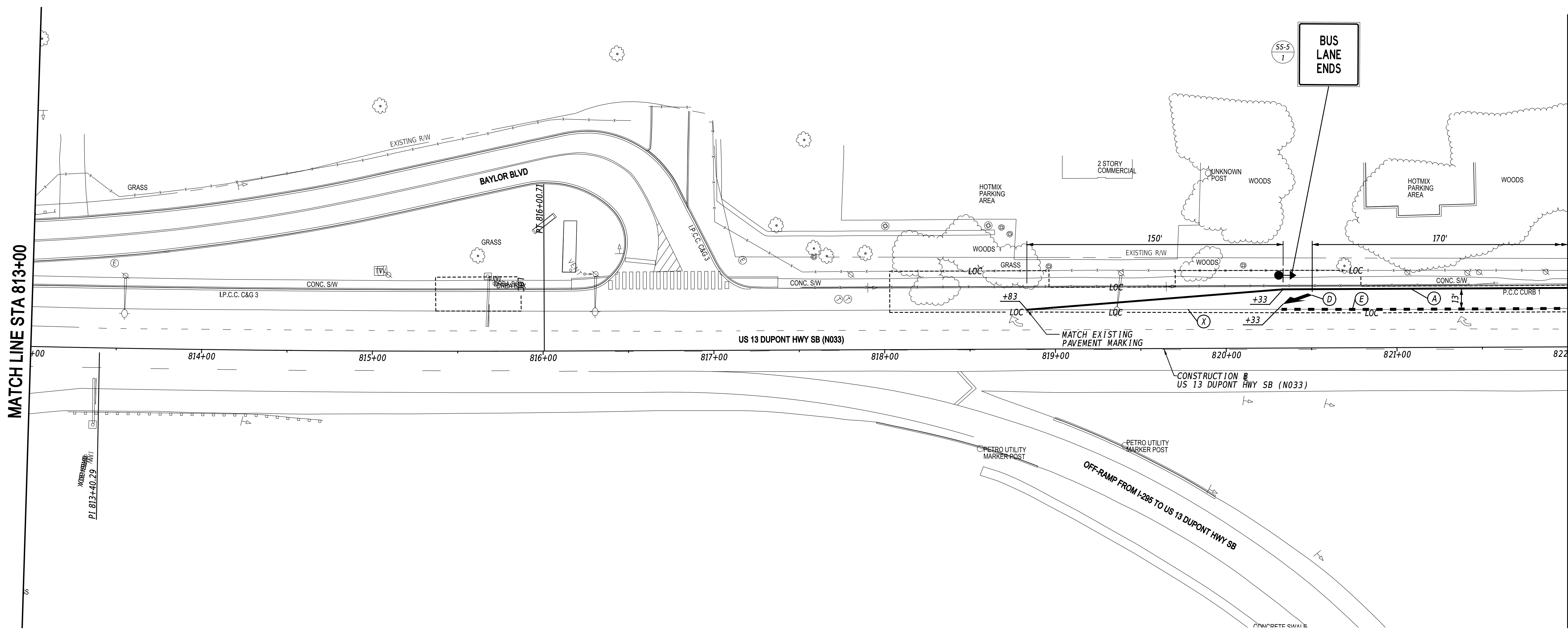
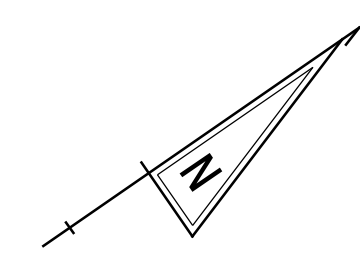


US 13 SOUTHBOUND BBRT LANE

CONTRACT	BRIDGE NO.	N/A
T202201102	DESIGNED BY:	A. MORJANA
COUNTY	CHECKED BY:	T. LORD
NEW CASTLE		

SIGNING, STRIPING AND CONDUIT PLAN

SS-04
SECTION
PAI
SHEET NO.
38



MATCH LINE STA 813+00

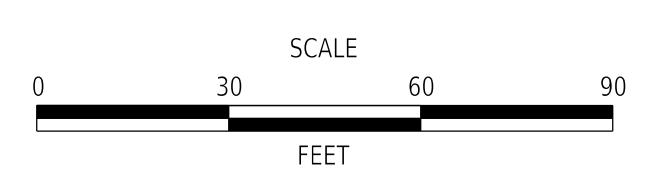
MATCH LINE STA 822+00

PENNONI ASSOCIATES, INC. SHEETS: 39
 REV. TABLE: 24 JUN 2024 @ 14:36
 DATE PLOTTED: 24 JUN 2024 @ 14:36
 USER NAME: SUSERS OFFICE LOCATION: SOFFICE/AMMS

PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(A)	6" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 817042)	317 LF
(D)	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL/LEGEND (ITEM 817002)	41 SF
(E)	12" DOTTED WHITE EPOXY RESIN PAVEMENT STRIPING 2' LINE AND 6' GAP (ITEM 817043)	42 LF
(X)	REMOVAL OF PAVEMENT STRIPING (ITEM 817031)	132 SF



ADDENDA / REVISIONS



US 13 SOUTHBOUND BBRT LANE

CONTRACT	BRIDGE NO.	N/A
T202201102	DESIGNED BY:	A. MORJANA
COUNTY	CHECKED BY:	T. LORD
NEW CASTLE		

SIGNING, STRIPING AND CONDUIT PLAN

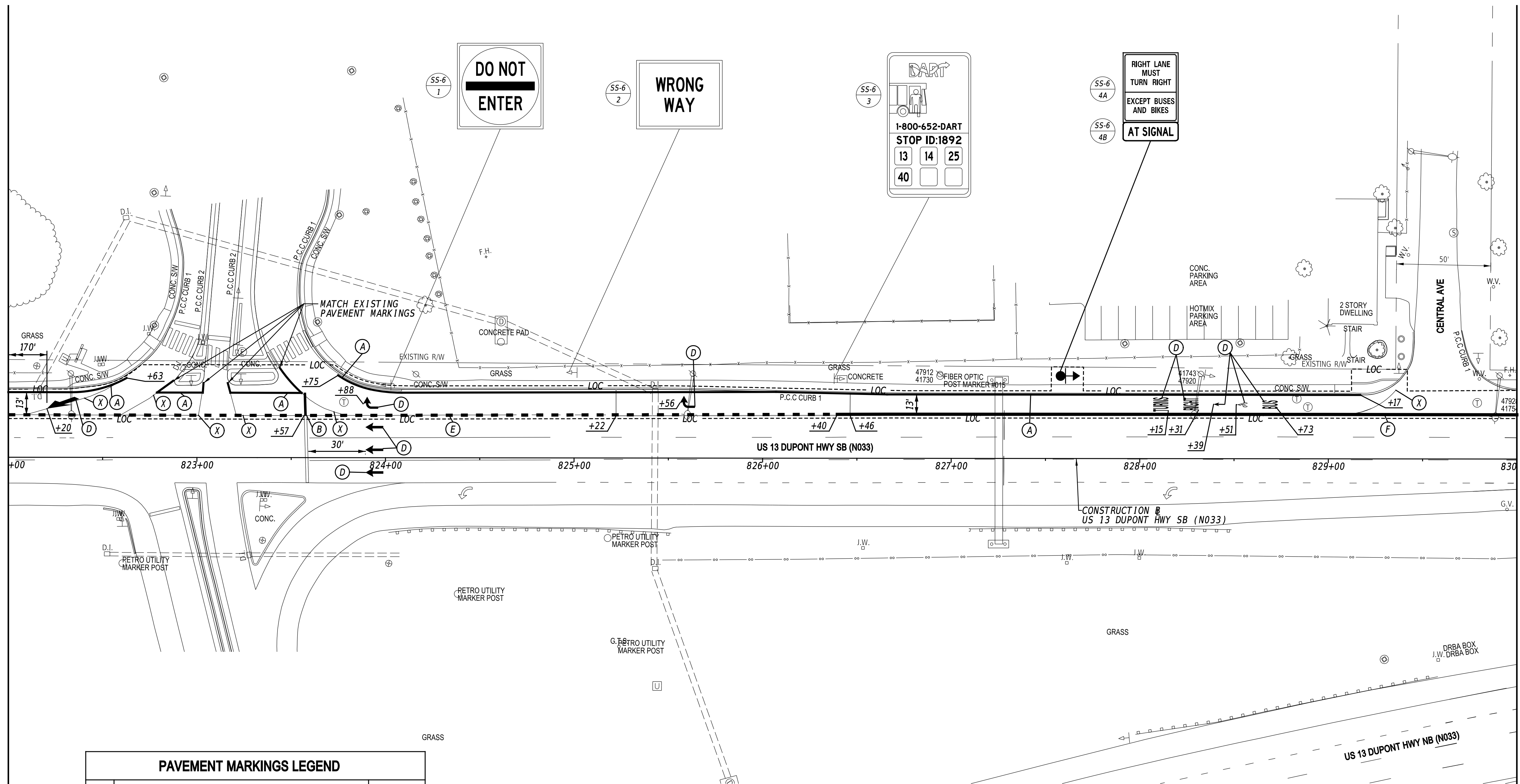
SS-05
SECTION
PAI
SHEET NO.
39

PENNONI ASSOCIATES, INC. SHEET NO. 143B
 PROJECT NO. 24100-2024 DATE PLOTTED: 24 JUN 2024 @ 14:38
 MICROSTATION VERSION: USER NAME: OFFICE LOCATION: SOFFICE/NAME:



MATCH LINE STA 822+00

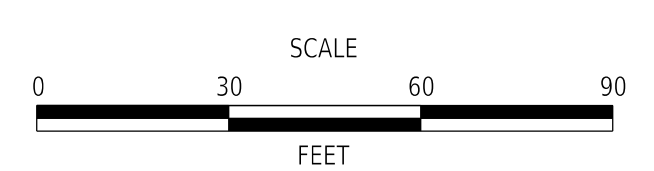
MATCH LINE STA 830+00



PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(A)	6" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 817042)	709 LF
(B)	16" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 817002)	17 SF
(D)	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL/LEGEND (ITEM 817002)	213 SF
(E)	12" DOTTED WHITE EPOXY RESIN PAVEMENT STRIPING 2' LINE AND 6' GAP (ITEM 817043)	110 LF
(F)	12" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 817043)	360 LF
(X)	REMOVAL OF PAVEMENT STRIPING (ITEM 817031)	280 SF

NOTES:
 1. BUS / BIKE / RIGHT TURN PAVEMENT MARKINGS SHALL CONSIST OF 8-FOOT LETTER HEIGHT WITH 8-FOOT SPACING BETWEEN EACH LINE. THE BIKE SYMBOL SHALL CONSIST OF A HELMETED BICYCLIST SYMBOL WITH A 2' X 6' ARROW SYMBOL.

ADDENDA / REVISIONS



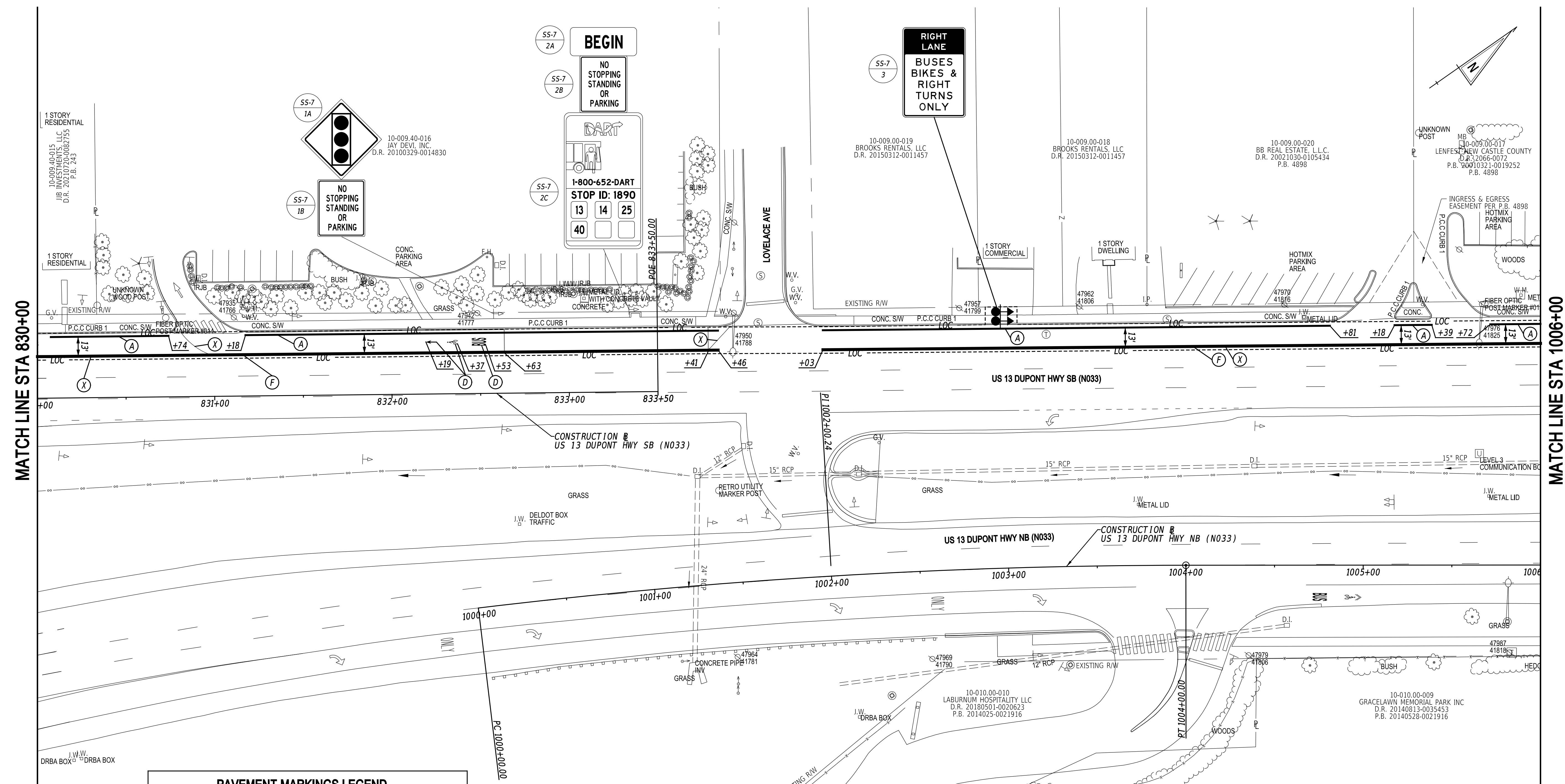
US 13 SOUTHBOUND BBRT LANE

CONTRACT	BRIDGE NO.	N/A
T202201102	DESIGNED BY:	A. MORJANA
COUNTY	CHECKED BY:	T. LORD
NEW CASTLE		

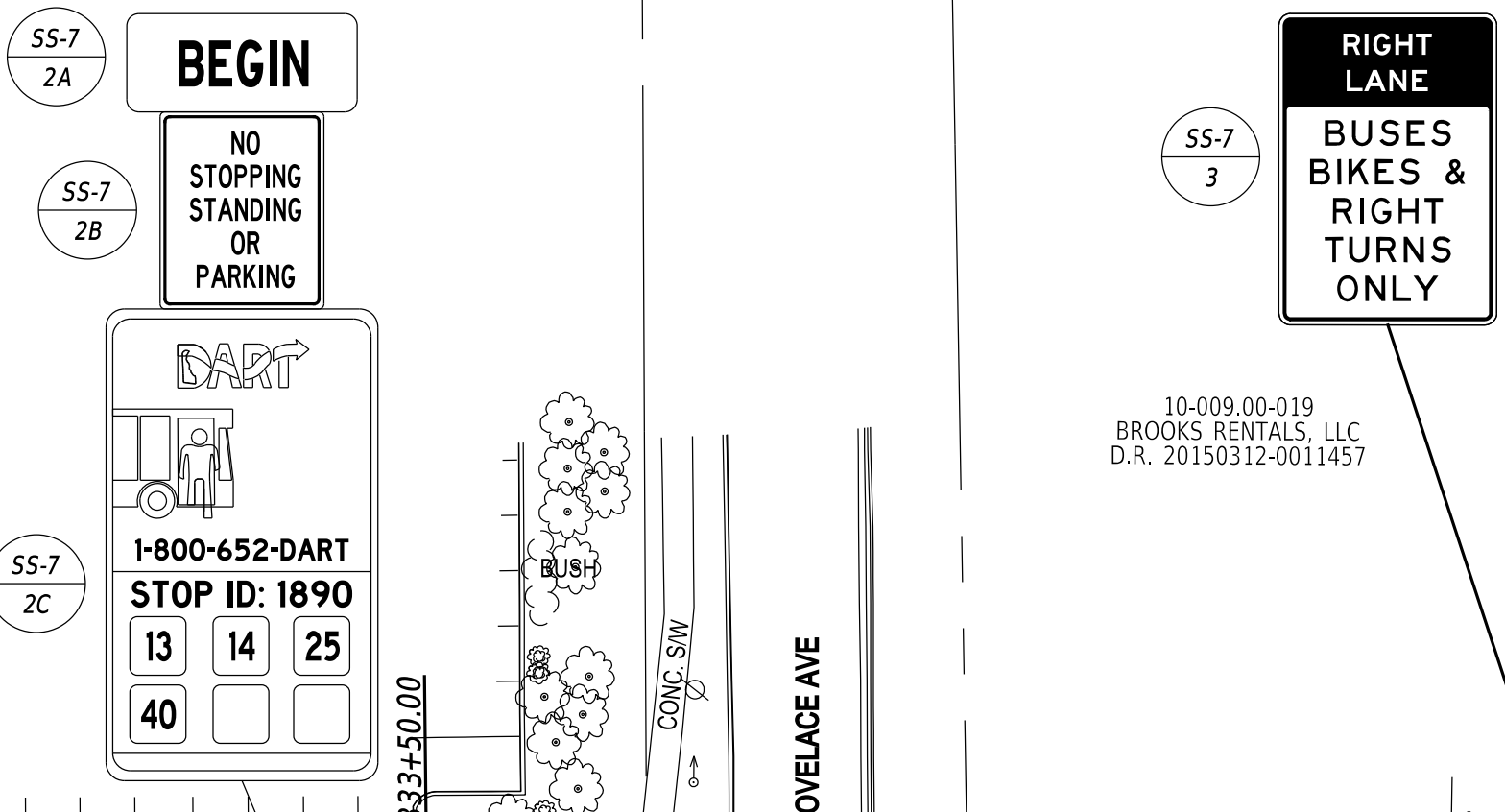
SIGNING, STRIPING AND CONDUIT PLAN

SS-06
SECTION
PAI
SHEET NO.
40

PENNONI ASSOCIATES, INC. SHEETS: 143B
 REV. TABLE: 24 JUN 2024
 DATE PLOTTED: 24 JUN 2024 @ 14:36
 USER NAME: SUSERS OFFICE LOCATION: SOFFICE\AMERS
 MICROSTATION VERSION: SUPERVISION
 MICROSTATION WORKSPACE: WORKSPACES

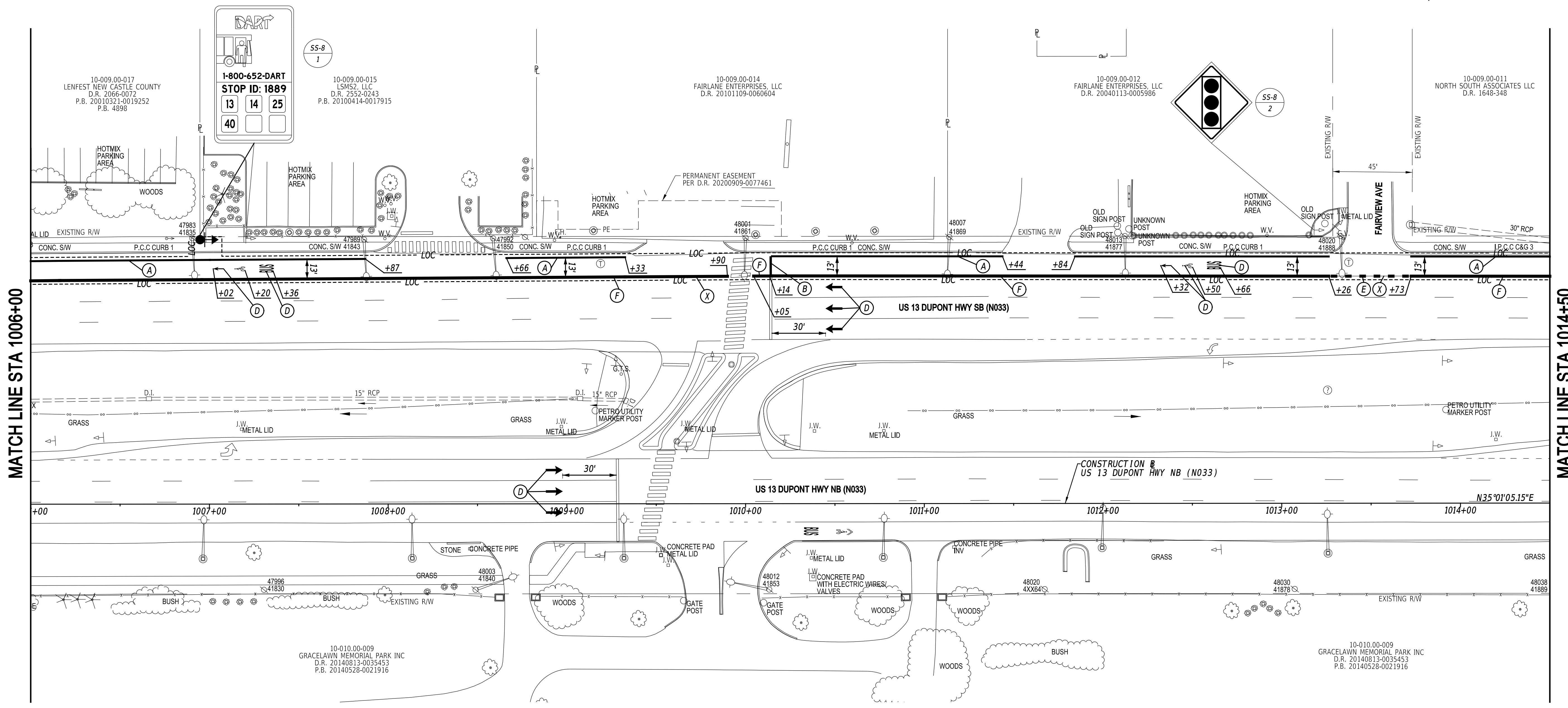
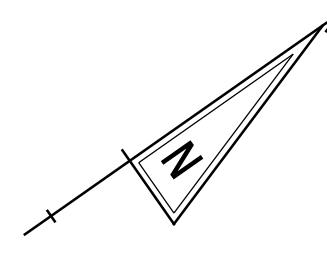


PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(A)	6" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 817042)	668 LF
(D)	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL/LEGEND (ITEM 817002)	51 SF
(F)	12" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 817043)	790 LF
(X)	REMOVAL OF PAVEMENT STRIPING (ITEM 817031)	280 SF



NOTES:
 1. BUS / BIKE / RIGHT TURN PAVEMENT MARKINGS SHALL CONSIST OF 8-FOOT LETTER HEIGHT WITH 8-FOOT SPACING BETWEEN EACH LINE. THE BIKE SYMBOL SHALL CONSIST OF A HELMETED BICYCLIST SYMBOL WITH A 2'X6' ARROW SYMBOL.

ADDENDA / REVISIONS		SCALE 0 30 60 90 FEET	US 13 SOUTHBOUND BRT LANE	CONTRACT T202201102	BRIDGE NO. N/A	SIGNING, STRIPING AND CONDUIT PLAN	SS-07
				COUNTY NEW CASTLE	DESIGNED BY: A. MORJANA		CHECKED BY: T. LORD



MATCH LINE STA 1006+00

MATCH LINE STA 1014+50

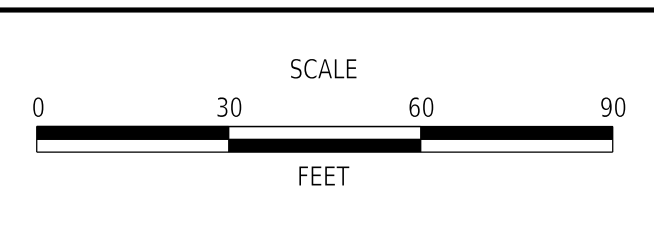
PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(A)	6" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 817042)	602 LF
(B)	16" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 817002)	17 SF
(D)	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL/LEGEND (ITEM 817002)	177 SF
(E)	12" DOTTED WHITE EPOXY RESIN PAVEMENT STRIPING 2' LINE AND 6' GAP (ITEM 817043)	12 LF
(F)	12" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 817043)	790 LF
(X)	REMOVAL OF PAVEMENT STRIPING (ITEM 817031)	343 SF

- NOTES:**
- BUS / BIKE / RIGHT TURN PAVEMENT MARKINGS SHALL CONSIST OF 8-FOOT LETTER HEIGHT WITH 8-FOOT SPACING BETWEEN EACH LINE. THE BIKE SYMBOL SHALL CONSIST OF A HELMETED BICYCLIST SYMBOL WITH A 2' X 6' ARROW SYMBOL.

PENNONI ASSOCIATES, INC. SHEETS: 1889
 REV. TABLE: 1889 DATE PLOTTED: 24 JUN 2024 @ 14:36
 CLIENT: NEW CASTLE COUNTY USER NAME: SLSUSERS OFFICE LOCATION: SOFFICE/AMERS
 MICROSTATION VERSION: 12.00 SUBSPACES: SWORKSPACES
 MICROSTATION WORKSPACE: SWORKSPACES



ADDENDA / REVISIONS	

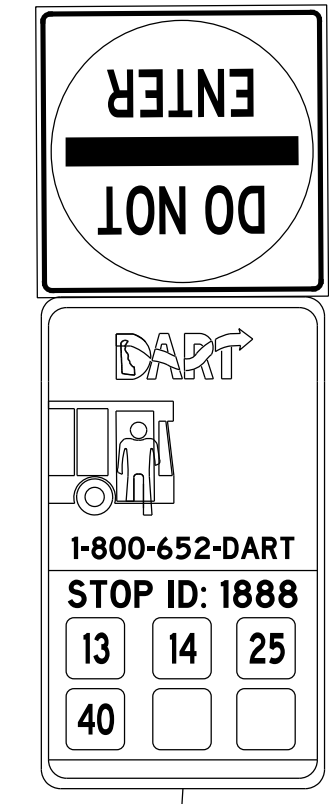
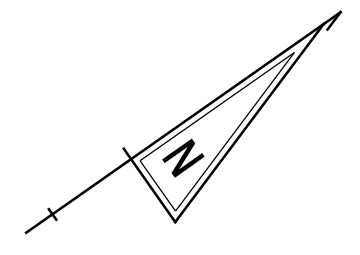


US 13 SOUTHBOUND BBRT LANE

CONTRACT	BRIDGE NO.	N/A
T202201102	DESIGNED BY:	A. MORJANA
COUNTY	CHECKED BY:	T. LORD
NEW CASTLE		

SIGNING, STRIPING AND CONDUIT PLAN

SS-08
SECTION
PAI
SHEET NO.
42



SS-9
1A

SS-9
1B

10-010.00-004
DP INDUSTRIES, LLC
D.R. 20140423-0016462
P.B. 6703

10-010.00-001
WILLIAM J. BARON, III, 60% INTEREST AND
SUZANNE J. BARON, 40% INTEREST
D.R. 2571-265
P.B. 20060918-0089007

10-010.00-007
AQUAFLOW PUMP & SUPPLY COMPANY
D.R. 20101105-0059792
P.B. 2753

10-010.00-024
ALDERMAN AUTOMOTIVE
ENTERPRISES, INC.
D.R. 1653-0275
P.B. 6703

1 STORY
COMMERCIAL
DELAWARE PLUMBING SUPPLY COMPANY

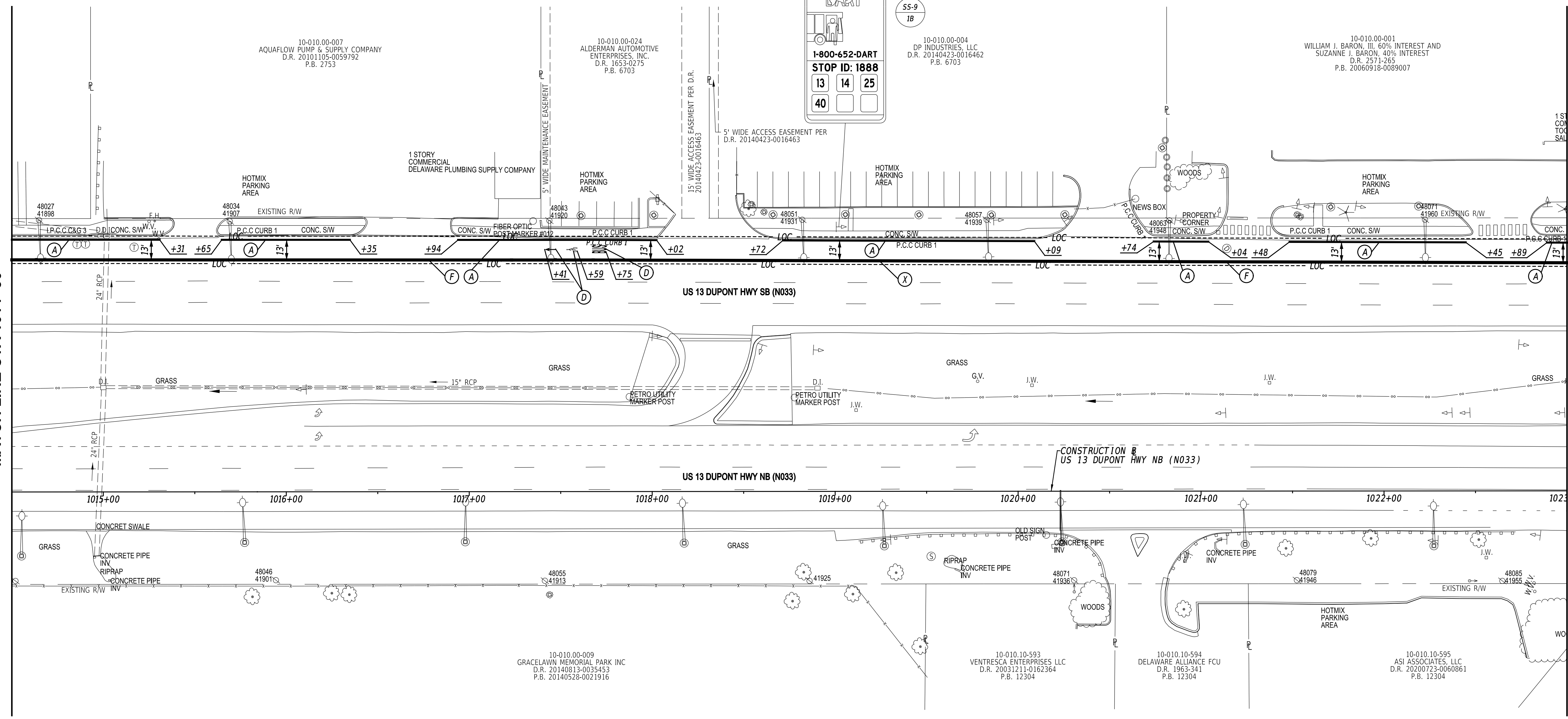
HOTMIX
PARKING
AREA

HOTMIX
PARKING
AREA

HOTMIX
PARKING
AREA

MATCH LINE STA 1014+50

MATCH LINE STA 1023+00



PENNONI ASSOCIATES, INC. SHEETS: 143B
 PROJECT NO.: 24100-2024-143B
 DATE PLOTTED: 24 JUN 2024 @ 14:38
 USER NAME: SUSSERS OFFICE LOCATION: SOFFICE/AMERS
 MICROSTATION VERSION: SUBSPACES
 MICROSTATION WORKSPACE: SWORKSPACES

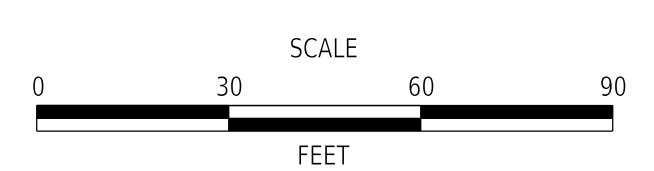
PAVEMENT MARKINGS LEGEND

SYM	ITEM	QUANTITY
(A)	6" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 817042)	533 LF
(D)	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL/LEGEND (ITEM 817002)	51 SF
(F)	12" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 817043)	850 LF
(X)	REMOVAL OF PAVEMENT STRIPING (ITEM 817031)	354 SF

NOTES:
 1. BUS / BIKE / RIGHT TURN PAVEMENT MARKINGS SHALL CONSIST OF 8-FOOT LETTER HEIGHT WITH 8-FOOT SPACING BETWEEN EACH LINE. THE BIKE SYMBOL SHALL CONSIST OF A HELMETED BICYCLIST SYMBOL WITH A 2'X6' ARROW SYMBOL.



ADDENDA / REVISIONS

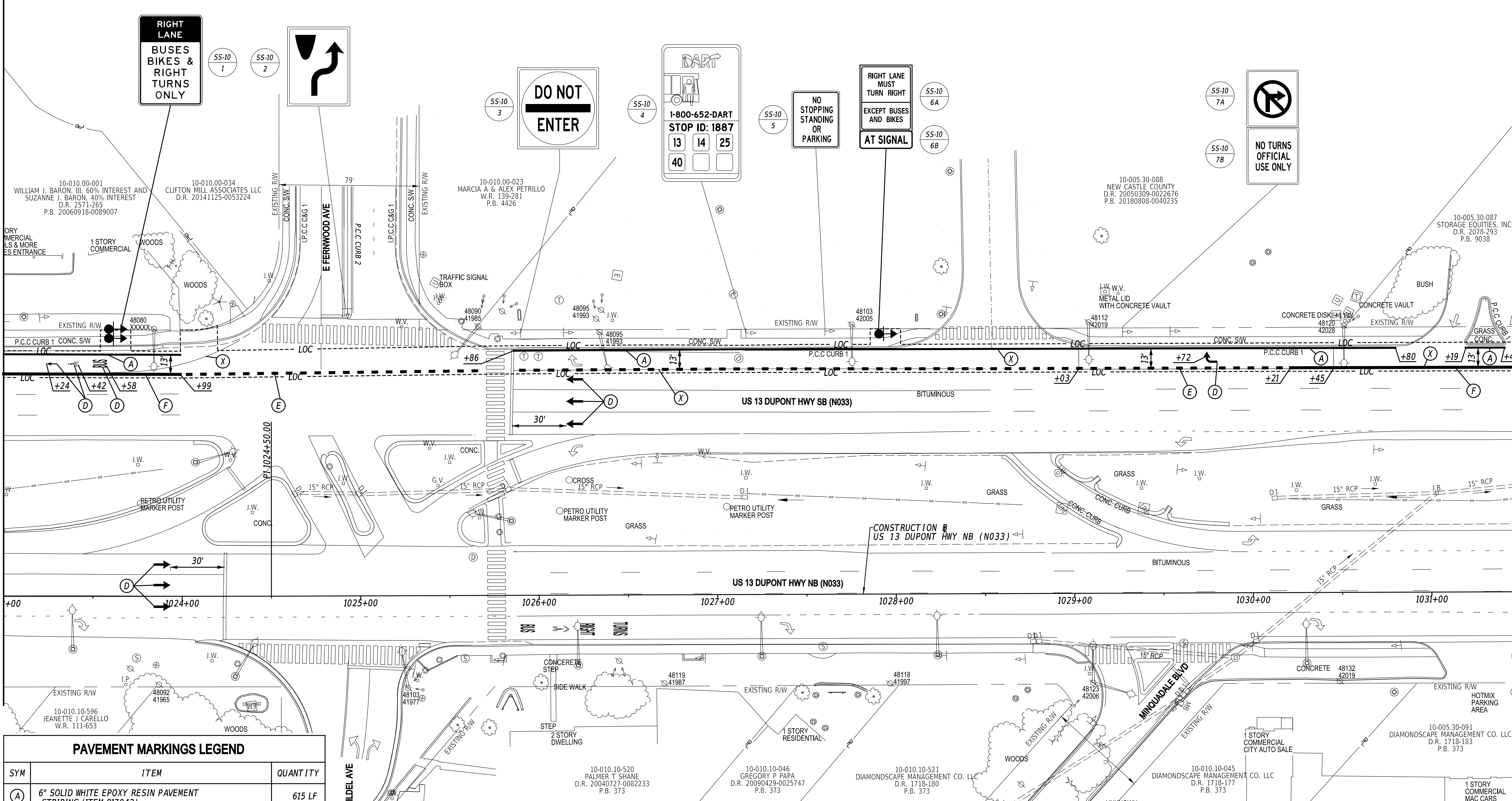
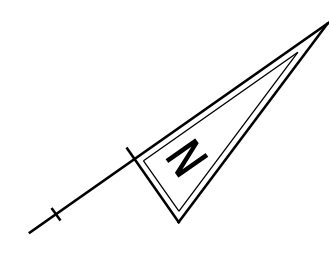


US 13 SOUTHBOUND BBRT LANE

CONTRACT	BRIDGE NO.	N/A
T202201102	DESIGNED BY:	A. MORJANA
COUNTY	CHECKED BY:	T. LORD
NEW CASTLE		

SIGNING, STRIPING AND CONDUIT PLAN

SS-09
SECTION
PAI
SHEET NO.
43



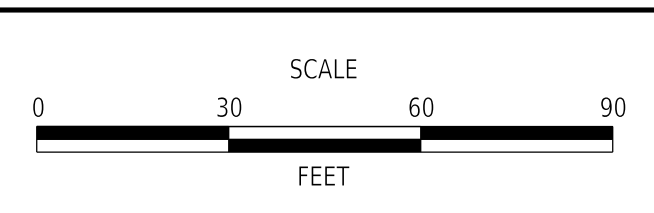
PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(A)	6" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 817042)	615 LF
(D)	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL/LEGEND (ITEM 817002)	157 SF
(E)	12" DOTTED WHITE EPOXY RESIN PAVEMENT STRIPING 2' LINE AND 6' GAP (ITEM 817043)	152 LF
(F)	12" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 817043)	229 LF
(X)	REMOVAL OF PAVEMENT STRIPING (ITEM 817031)	347 SF

NOTES:
 1. BUS / BIKE / RIGHT TURN PAVEMENT MARKINGS SHALL CONSIST OF 8-FOOT LETTER HEIGHT WITH 8-FOOT SPACING BETWEEN EACH LINE. THE BIKE SYMBOL SHALL CONSIST OF A HELMETED BICYCLIST SYMBOL WITH A 2' X 6' ARROW SYMBOL.

PENNONI ASSOCIATES, INC. SHEET NO. 143B
 PROJECT NO. 2410A-2024
 DATE PLOTTED: 24 JUN 2024 @ 14:38
 USER NAME: SUSERS OFFICE LOCATION: SOFFICEAMER
 MICROSTATION VERSION: SUBSPONS
 MICROSTATION WORKSPACE: SWORKSPACES



ADDENDA / REVISIONS	



US 13 SOUTHBOUND BBRT LANE

CONTRACT	BRIDGE NO.	N/A
T202201102	DESIGNED BY:	A. MORJANA
COUNTY	CHECKED BY:	T. LORD
NEW CASTLE		

SIGNING, STRIPING AND CONDUIT PLAN

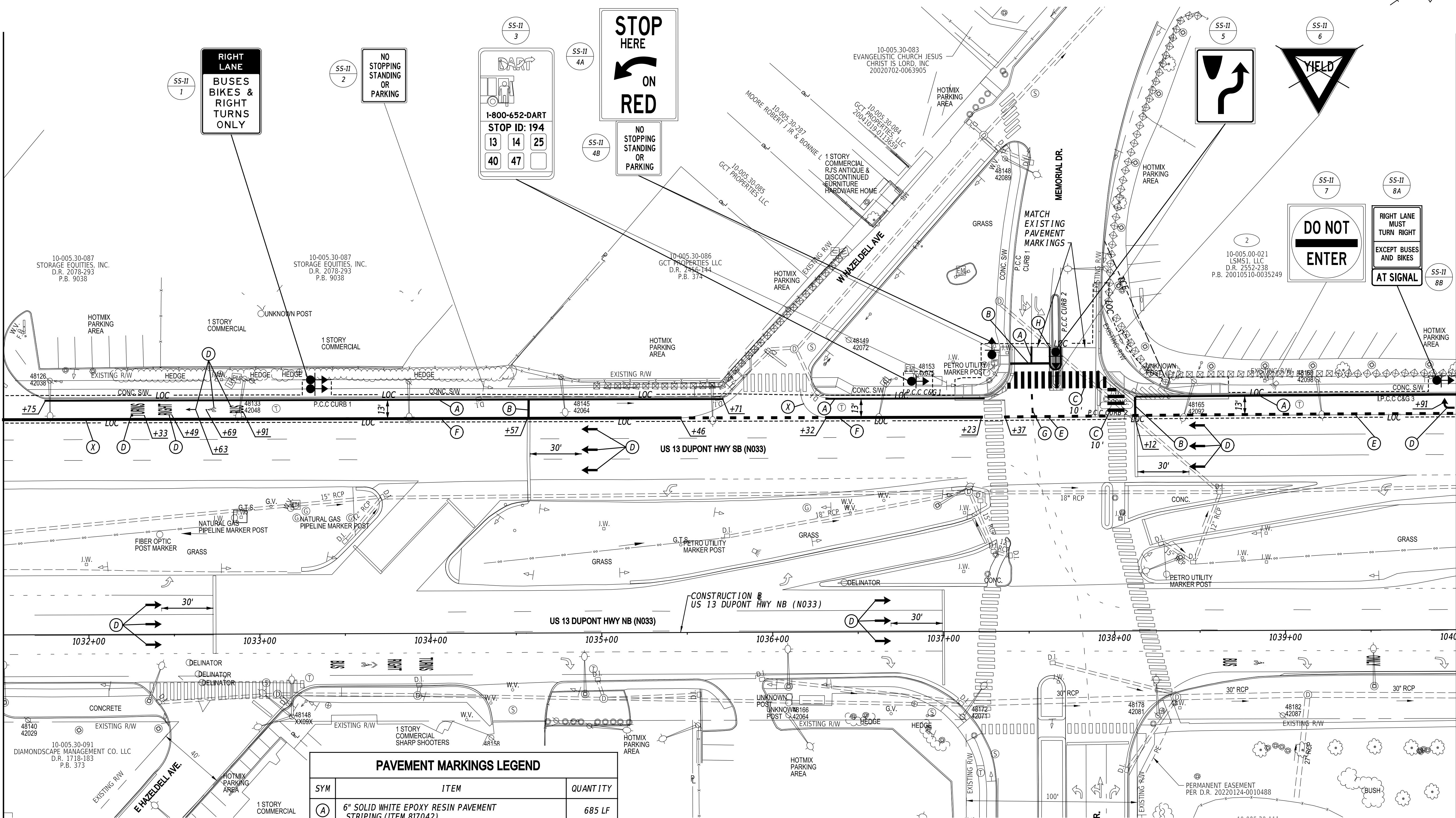
SS-10
SECTION
PAI
SHEET NO.
44

PENNONI ASSOCIATES, INC. SHEETS: 143B
 REV. TABLE: DATE: 24 JUN 2024 @ 14:36
 USER: OFFICE LOCATION: SUFFOLK COUNTY
 MICROSTATION VERSION: SUBSPACES:
 MICROSTATION WORKSPACE: SWORKSPACES:



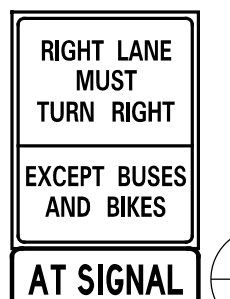
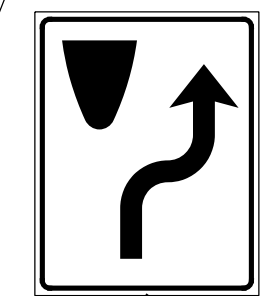
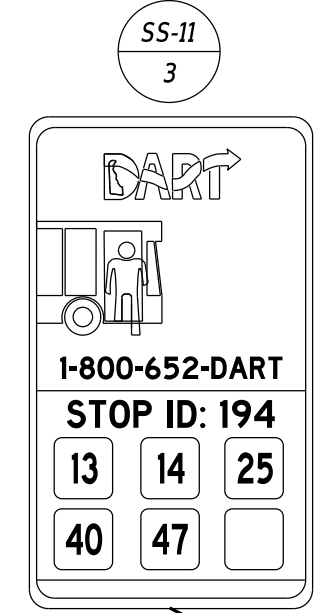
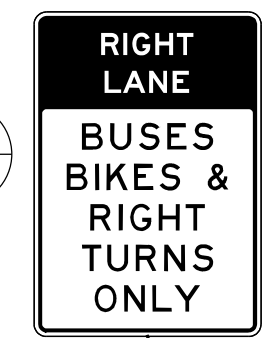
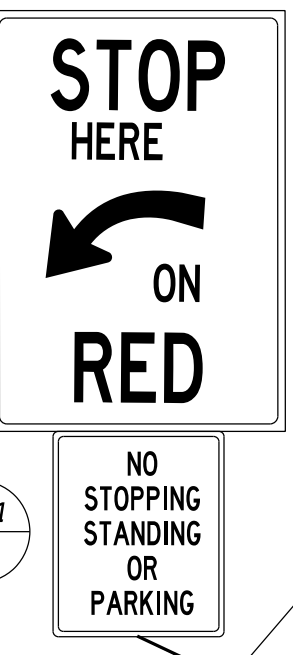
MATCH LINE STA 1031+50

MATCH LINE STA 1040+00



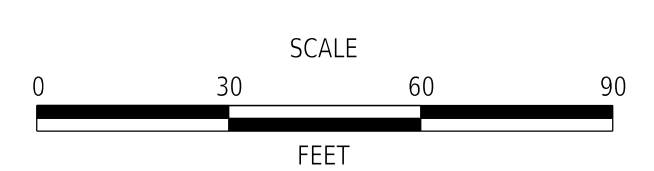
PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(A)	6" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 817042)	685 LF
(B)	16" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 817002)	65 SF
(C)	24" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 817002)	380 SF
(D)	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL/LEGEND (ITEM 817002)	270 SF
(E)	12" DOTTED WHITE EPOXY RESIN PAVEMENT STRIPING 2' LINE AND 6' GAP (ITEM 817043)	87 LF
(F)	12" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 817043)	487 LF

PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(G)	6" DOTTED WHITE ALKYD-THERMOPLASTIC PAVEMENT STRIPING, 2' LINE AND 6' GAP (ITEM 817038)	4 LF
(H)	6" SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 817042)	30 LF
(X)	REMOVAL OF PAVEMENT STRIPING (ITEM 817031)	231 SF



NOTES:
 1. BUS / BIKE / RIGHT TURN PAVEMENT MARKINGS SHALL CONSIST OF 8-FOOT LETTER HEIGHT WITH 8-FOOT SPACING BETWEEN EACH LINE. THE BIKE SYMBOL SHALL CONSIST OF A HELMETED BICYCLIST SYMBOL WITH A 2' X 6' ARROW SYMBOL.

ADDENDA / REVISIONS

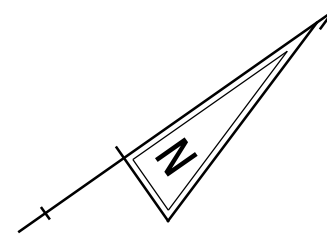


US 13 SOUTHBOUND BBRT LANE

CONTRACT	BRIDGE NO.	N/A
T202201102	DESIGNED BY:	A. MORJANA
COUNTY	CHECKED BY:	T. LORD
NEW CASTLE		

SIGNING, STRIPING AND CONDUIT PLAN

SS-11
SECTION
PAI
SHEET NO.
45

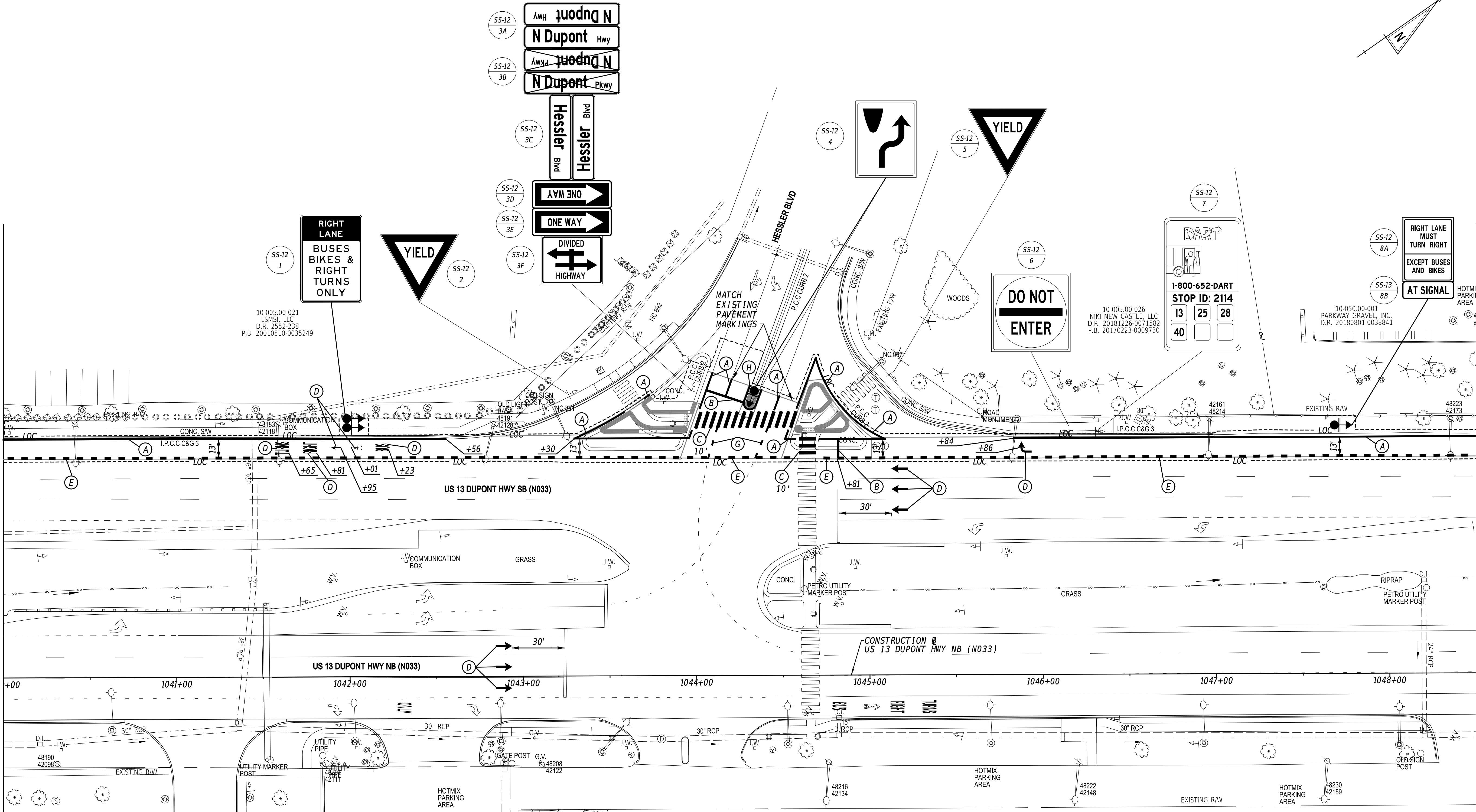


PENNONI ASSOCIATES, INC.
 REV. TABLE: SUPERBAYS
 REV. DATE: 24 JUN 2024 @ 14:36
 DATE PLOTTED: 24 JUN 2024 @ 14:36
 MICROSTATION VERSION: SUPERBAYS
 USER NAME: SUSSERS OFFICE LOCATION: SOFFICE/AMMS
 MICROSTATION WORKSPACE: SWORKSPACES



MATCH LINE STA 1040+00

MATCH LINE STA 1048+50



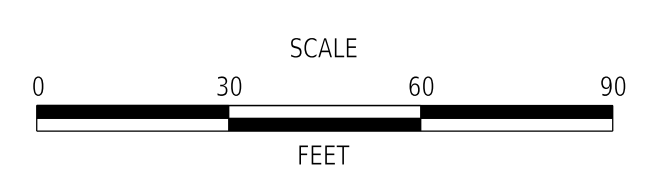
PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(A)	6" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 817042)	812 LF
(B)	16" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 817002)	48 SF
(C)	24" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 817002)	340 SF
(D)	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL/LEGEND (ITEM 817002)	195 SF
(E)	12" DOTTED WHITE EPOXY RESIN PAVEMENT STRIPING 2' LINE AND 6' GAP (ITEM 817043)	210 LF

PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(G)	6" DOTTED WHITE ALKYD-THERMOPLASTIC PAVEMENT STRIPING, 2' LINE AND 6' GAP (ITEM 817038)	12 LF
(H)	6" SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 817042)	30 LF

NOTES:

- BUS / BIKE / RIGHT TURN PAVEMENT MARKINGS SHALL CONSIST OF 8-FOOT LETTER HEIGHT WITH 8-FOOT SPACING BETWEEN EACH LINE. THE BIKE SYMBOL SHALL CONSIST OF A HELMETED BICYCLIST WITH A 2'X6' ARROW SYMBOL.

ADDENDA / REVISIONS

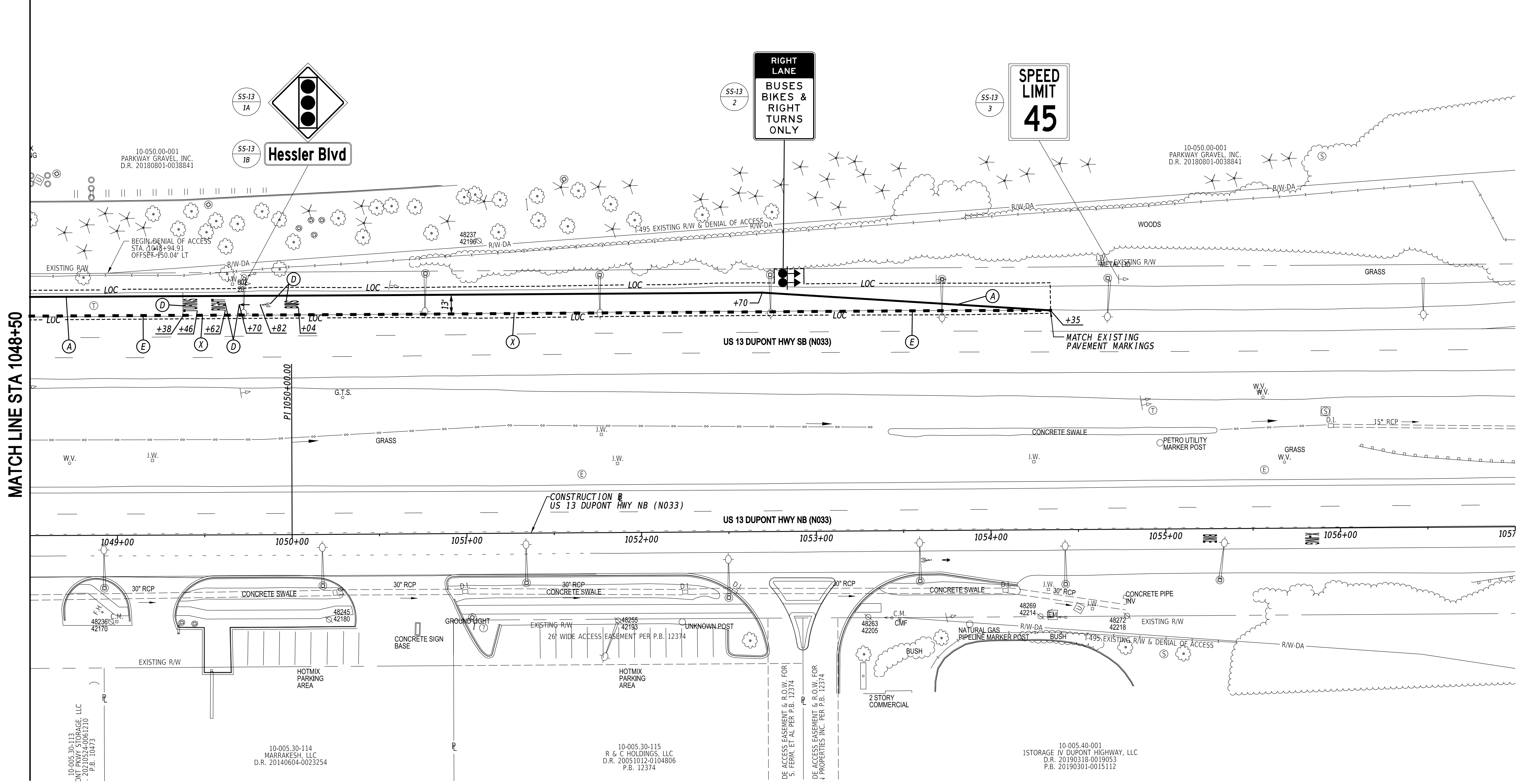
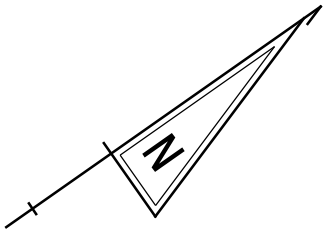


US 13 SOUTHBOUND BBRT LANE

CONTRACT	BRIDGE NO.	N/A
T202201102	DESIGNED BY:	A. MORJANA
COUNTY	CHECKED BY:	T. LORD
NEW CASTLE		

SIGNING, STRIPING AND CONDUIT PLAN

SS-12
SECTION
PAI
SHEET NO.
46



MATCH LINE STA 1048+50

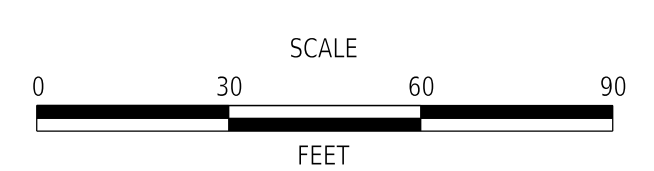
PAVEMENT MARKINGS LEGEND		
SYM	ITEM	QUANTITY
(A)	6" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 817042)	585 LF
(D)	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL/LEGEND (ITEM 817002)	104 SF
(E)	12" DOTTED WHITE EPOXY RESIN PAVEMENT STRIPING 2' LINE AND 6' GAP (ITEM 817043)	147 LF
(X)	REMOVAL OF PAVEMENT STRIPING (ITEM 817031)	198 SF

NOTE:
 1. BUS / BIKE / RIGHT TURN PAVEMENT MARKINGS SHALL CONSIST OF 8-FOOT LETTER HEIGHT WITH 8-FOOT SPACING BETWEEN EACH LINE. THE BIKE SYMBOL SHALL CONSIST OF A HELMETED BICYCLIST SYMBOL WITH A 2'X6' ARROW SYMBOL.

PENNONI ASSOCIATES, INC. SHEET NO. 1436
 PROJECT NO. 2410A-2024 DATE PLOTTED: 24 JUN 2024 @ 14:36
 MICROSTATION VERSION: SUBSPACES USER NAME: SUSSERS OFFICE LOCATION: SOFFICE/AMERS
 MICROSTATION WORKSPACE: SWORKSPACES



ADDENDA / REVISIONS



US 13 SOUTHBOUND BBRT LANE

CONTRACT	BRIDGE NO.	N/A
T202201102	DESIGNED BY:	A. MORJANA
COUNTY	CHECKED BY:	T. LORD
NEW CASTLE		

SIGNING, STRIPING AND CONDUIT PLAN

SS-13
SECTION
PAI
SHEET NO.
47

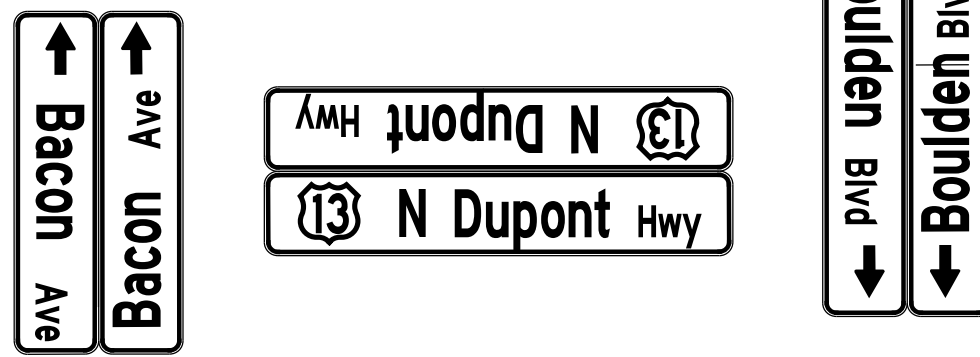
PERMANENT SIGN SCHEDULE - ROADWAY

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 819018 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)	REMARKS
										SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL						
SS-01	1	R1-2(48)	1	YIELD	48	48				REPOSITION	1	1			SOIL						
SS-01	2A	R6-1_L(36)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 36x12	36	12	3.0			RENEW	1	1			NEW CONCRETE	1					
SS-01	2B	R6-1_R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12	3.0			RENEW	1	1									
SS-01	2C	R6-3(30)	1	DIVIDED HIGHWAY CROSSING (4 - Legged Intersection) - 30x24	30	24	5.0			RENEW	1	1									
SS-01	3A	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18				REMOVE	2									Bacon Ave	
SS-01	3B	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30	5.0			RENEW	1	1			NEW CONCRETE	1					
SS-01	4	R1-2(48)	1	YIELD	48	48				REMOVE	1										
SS-01	5A	R5-1(36)	1	DO NOT ENTER - 36x36	36	36				REPOSITION	1	1			SOIL						
SS-01	5B	R3-7_R(36)	1	RIGHT LANE MUST TURN RIGHT - 36"x36"	36	36				REMOVE	1										
SS-01	6	R7-4-DE(12)	1	NO STOPPING, STANDING, OR PARKING - 12x18	12	18				REPOSITION	1	1			SOIL						
SS-01	7A	R3-7_R(36) - MOD	1	RIGHT LANE MUST TURN RIGHT EXCEPT BUSES AND BIKES AT SIGNAL (plaque)	36	42	10.5			NEW		1			SOIL	1					
SS-01	7B	R10-3IP	1	AT SIGNAL (plaque)	24	9	1.5			ADD TO ASSEMBLY		1									
SS-01	8	R3-7_R(36)	1	RIGHT LANE MUST TURN RIGHT - 36"x36"	36	36				REMOVE	1										
SS-01	9A	R5-1a(36)	1	WRONG WAY - 36x24	36	24				REPOSITION	1	1			SOIL						
SS-01	9B	D3-2-DE3	1	DEVELOPMENT NAME	36	32				REPOSITION	1	1								Howard Weston Senior Center -->	
SS-01	9C	R7-4-DE(12)	1	NO STOPPING, STANDING, OR PARKING - 12x18	12	18				REPOSITION	1	1									
SS-02	1	R3-7_R(36)	1	RIGHT LANE MUST TURN RIGHT - 36"x36"	36	36				REMOVE	1										
SS-02	2A	R3-7_R(36) - MOD	1	RIGHT LANE MUST TURN RIGHT EXCEPT BUSES AND BIKES AT SIGNAL (plaque)	36	42	10.5			NEW		1			SOIL	1					
SS-02	2B	R10-3IP	1	AT SIGNAL (plaque)	24	9	1.5			ADD TO ASSEMBLY		1									
SS-02	3	R7-4-DE(12)	1	NO STOPPING, STANDING, OR PARKING - 12x18	12	18				REMAIN											
SS-02	4	R3-7_R(36)	1	RIGHT LANE MUST TURN RIGHT - 36"x36"	36	36				REMOVE	1										
SS-02	5A	R7-4-DE(12)	1	NO STOPPING, STANDING, OR PARKING - 12x18	12	18				REMAIN											
SS-02	5B	D4-3-DE	1	BUS STOP (REQUESTS FOR FABRICATION THRU DART TRANSIT AT 302-576-6132)	12	18				REMAIN										STOP ID: 2115 ROUTES 13, 25, & 40	
SS-02	6	R3-11b-DE(42)	1	RIGHT LANE - BUSES BIKES RIGHT TURNS ONLY - 42x60	42	60	17.5						NEW		SOIL	2					
SS-02	7	R3-7_R(36)	1	RIGHT LANE MUST TURN RIGHT - 36"x36"	36	36				REMOVE	1										
SS-03	1	R3-7_R(36)	1	RIGHT LANE MUST TURN RIGHT - 36"x36"	36	36				REMOVE	1										
SS-03	2A	R3-7_R(36)	1	RIGHT LANE MUST TURN RIGHT - 36"x36"	36	36				REMOVE	1										
SS-03	2B	R7-202aP-DE	1	BEGIN (plaque - red)	12	6				REMAIN											
SS-03	2C	R7-4-DE(12)	1	NO STOPPING, STANDING, OR PARKING - 12x18	12	18				REMAIN											
SS-03	3	R3-12f(30)	1	BUS LANE AHEAD - 30x42	30	42	8.8			NEW		1			SOIL	1					
SS-05	1	R3-12g(30)	1	BUS LANE ENDS - 30x42	30	42	8.8			NEW		1			SOIL	1					
SS-06	1	R5-1(36)	1	DO NOT ENTER - 36x36	36	36				REMAIN											
SS-06	2	R5-1a(36)	1	WRONG WAY - 36x24	36	24				REMAIN											
SS-06	3	D4-3-DE	1	BUS STOP (REQUESTS FOR FABRICATION THRU DART TRANSIT AT 302-576-6132)	12	18				REMAIN										STOP ID: 1892 ROUTES 13, 25, & 40	
SS-06	4A	R3-7_R(36) - MOD	1	RIGHT LANE MUST TURN RIGHT EXCEPT BUSES AND BIKES AT SIGNAL (plaque)	36	42	10.5			NEW		1			SOIL	1					
SS-06	4B	R10-3IP	1	AT SIGNAL (plaque)	24	9	1.5			ADD TO ASSEMBLY		1									
SS-07	1A	W3-3(36)	1	SIGNAL AHEAD (Symbol) - 36x36	36	36				REMAIN											
SS-07	1B	R7-4-DE(12)	1	NO STOPPING, STANDING, OR PARKING - 12x18	12	18				REMAIN											
SS-07	2A	R7-202aP-DE	1	BEGIN (plaque - red)	12	6				REMAIN											
SS-07	2B	R7-4-DE(12)	1	NO STOPPING, STANDING, OR PARKING - 12x18	12	18				REMAIN											
SS-07	2C	D4-3-DE	1	BUS STOP (REQUESTS FOR FABRICATION THRU DART TRANSIT AT 302-576-6132)	12	18				REMAIN										STOP ID: 1890 ROUTES 13, 14, 25, & 40	
SS-07	3	R3-11b-DE(42)	1	RIGHT LANE - BUSES BIKES RIGHT TURNS ONLY - 42x60	42	60	17.5						NEW		SOIL	2					
SS-08	1	D4-3-DE	1	BUS STOP (REQUESTS FOR FABRICATION THRU DART TRANSIT AT 302-576-6132)	12	18				REPOSITION	1	1			SOIL					STOP ID: 1889 ROUTES 13, 14, 25, & 40	
SS-08	2	W3-3(36)	1	SIGNAL AHEAD (Symbol) - 36x36	36	36				REMAIN											
SS-09	1A	R5-1(30)	1	DO NOT ENTER - 30x30	30	30				REMAIN											
SS-09	1B	D4-3-DE	1	BUS STOP (REQUESTS FOR FABRICATION THRU DART TRANSIT AT 302-576-6132)	12	18				REMAIN										STOP ID: 1888 ROUTES 13, 14, 25, & 40	
SS-10	1	R3-11b-DE(42)	1	RIGHT LANE - BUSES BIKES RIGHT TURNS ONLY - 42x60	42	60	17.5						NEW		SOIL	2					
SS-10	2	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30				REMAIN											
SS-10	3	R5-1(36)	1	DO NOT ENTER - 36x36	36	36				REMAIN											
SS-10	4	D4-3-DE	1	BUS STOP (REQUESTS FOR FABRICATION THRU DART TRANSIT AT 302-576-6132)	12	18				REMAIN										STOP ID: 1887 ROUTES 13, 14, 25, 40, & 47	
SS-10	5	R7-4-DE(12)	1	NO STOPPING, STANDING, OR PARKING - 12x18	12	18				REMAIN											
SS-10	6A	R3-7_R(36) - MOD	1	RIGHT LANE MUST TURN RIGHT EXCEPT BUSES AND BIKES AT SIGNAL (plaque)	36	42	10.5			NEW		1			SOIL	1					
SS-10	6B	R10-3IP	1	AT SIGNAL (plaque)	24	9	1.5			ADD TO ASSEMBLY		1									
SS-10	7A	R3-1(36)	1	RIGHT TURN PROHIBITION (Symbol) - 36x36	36	36				REMAIN											
SS-10	7B	R3-3-DE(36)	1	NO TURNS OFFICIAL USE ONLY - 36"x36"	36	36				REMAIN											
SS-11	1	R3-11b-DE(42)	1	RIGHT LANE - BUSES BIKES RIGHT TURNS ONLY - 42x60	42	60	17.5						NEW		SOIL	2					
SS-11	2	R7-4-DE(12)	1	NO STOPPING, STANDING, OR PARKING - 12x18	12	18				REMAIN											
SS-11	3	D4-3-DE	1	BUS STOP (REQUESTS FOR FABRICATION THRU DART TRANSIT AT 302-576-6132)	12	18				REPOSITION	1	1			SOIL					STOP ID: 194 ROUTES 13, 14, 25, 40, & 47	
SS-11	4A	R10-6a(24)	1	STOP HERE ON RED (Curved Arrow) - 24x30	24	30				REPOSITION	1	1			SOIL						
SS-11	4B	R7-4-DE(18)	1	NO STOPPING, STANDING, OR PARKING - 18x24	18	24				REPOSITION	1	1									
SS-11	5	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24	30				REPOSITION	1	1			NEW CONCRETE						
SS-11	6	R1-2(48)	1	YIELD	48	48				REMOVE	1										
SS-11	7	R5-1(36)	1	DO NOT ENTER - 36x36	36	36				REMAIN											
SS-11	8A	R3-7_R(36) - MOD	1	RIGHT LANE MUST TURN RIGHT EXCEPT BUSES AND BIKES AT SIGNAL (plaque)	36	42	10.5			NEW		1			SOIL	1					
SS-11	8B	R10-3IP	1	AT SIGNAL (plaque)	24	9	1.5			ADD TO ASSEMBLY		1									
SS-12	1	R3-11b-DE(42)	1	RIGHT LANE - BUSES BIKES RIGHT TURNS ONLY - 42x60	42	60	17.5						NEW		SOIL	2					
SS-12	2	R1-2(48)	1	YIELD	48	48				REMAIN											
SS-12	3A	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18	12.0			ADD TO ASSEMBLY		2								N Dupont Hwy (Highway B 6.5" / 4.5") N Dupont Pkwy Hessler Blvd	
SS-12	3B	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18				REMOVE	2										
SS-12	3C	D3-1(18)	2	STREET NAME (1 Line) Posted speed > 40 MPH	48	18				REMAIN											
SS-12	3D	R6-1_L(36)	1	ONE WAY (ENCLOSED IN LEFT ARROW) - 36x12	36	12				REMAIN											
SS-12	3E	R6-1_R(36)	1	ONE WAY (ENCLOSED IN RIGHT ARROW) - 36x12	36	12				REMAIN											
SS-12	3F	R6-3(30)	1	DIVIDED HIGHWAY CROSSING (4 - Legged Intersection) - 30x24	30	24				REMAIN					</						

CONDUIT RUN SCHEDULE					
CO NO.	NO. OF CONDUITS	SIZE/TYPE	LENGTH	INSTALL METHOD	AMOUNT AND TYPE OF CABLE / WIRE
1*	2	2.5"	31 FT	-	EX. (1) 2/#8 U.F. W/GROUND
2*	1	2.5"	17 FT	-	EX. (1) 2/#8 U.F. W/GROUND
3*	3	2.5"	6 FT	-	EX. (7) 9/#14, (15) 4/#18, (7) 5/#14, (1) FIBER, (2) 4/#14, (1) 2/#8 U.F. W/GROUND
4*	1	2.5"	32 FT	-	ABANDONED
5*	1	2.5"	98 FT	-	EX. RED LIGHT CABLES
6*	1	2.5"	10 FT	-	EX. RED LIGHT CABLES
7*	2	2.5"	85 FT	-	EX. RED LIGHT CABLES, (1) FIBER
8*	1	2.5"	7 FT	-	EX. RED LIGHT CABLES
9*	1	2.5"	15 FT	-	EX. RED LIGHT CABLES
10*	1	2.5"	38 FT	-	EX. RED LIGHTS CABLES
11*	1	2.5"	11 FT	-	EX. RED LIGHTS CABLES
12*	1	2.5"	69 FT	-	EX. RED LIGHTS CABLES
13*	1	2.5"	208 FT	-	EX. (1) FIBER
14*	1	2.5"	19 FT	-	EX. (1) FIBER
15*	1	2.5"	230 FT	-	EX. (1) FIBER
16*	1	2.5"	656 FT	-	EX. (1) FIBER
17*	1	2.5"	98 FT	-	EX. (1) FIBER
18*	1	2.5"	42 FT	-	EX. (1) FIBER
19*	2	2.5"	52 FT	-	EX. RED LIGHT CABLES, (10) 4/#18, (5) 5/#14
20*	1	2.5"	80 FT	-	EX. (13) 4/#18, (5) 5/#14
21*	1	2.5"	149 FT	-	EX. (2) 4/18

* DENOTES EXISTING CONDUIT RUN.
 TYPES: HDPE, PVC, RGS
 INSTALL METHODS: B=BORE, IB=IN BARRIER, OC=OPEN CUT, OS=ON STRUCTURE, T=TRENCH

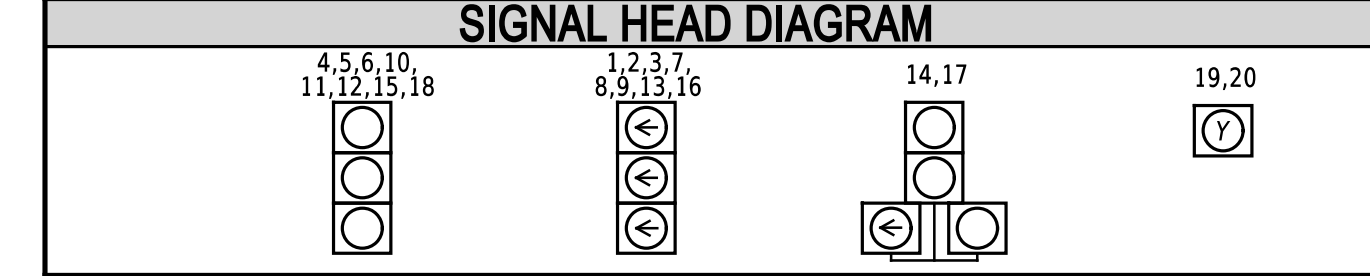
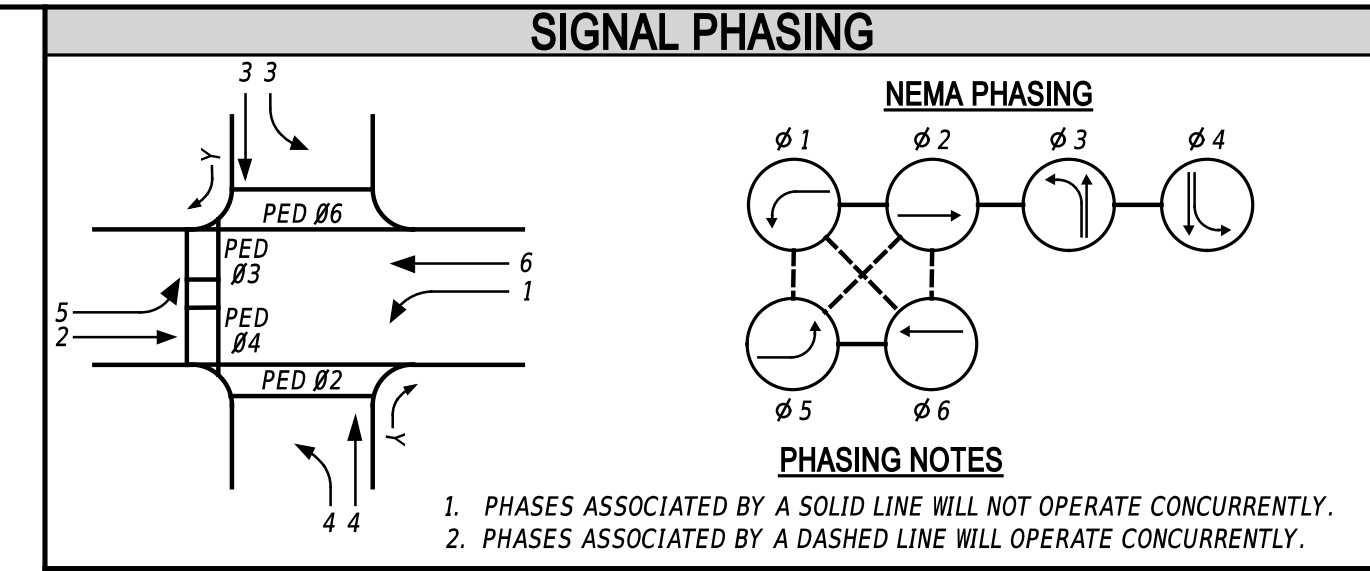
EXISTING OVERHEAD SIGNING (TO REMAIN)



S-1 D3-1 (FREE-SWINGING) BACK-TO-BACK 54" X 18"
 S-2 D3-1 (FREE-SWINGING) BACK-TO-BACK 78" X 18"
 S-3 D3-1 (FREE-SWINGING) BACK-TO-BACK 66" X 18"

CONDUIT RUN SCHEDULE					
CO NO.	NO. OF CONDUITS	SIZE/TYPE	LENGTH	INSTALL METHOD	AMOUNT AND TYPE OF CABLE / WIRE
22*	1	2.5"	122 FT	-	EX. (2) 4/18
23*	1	2.5"	10 FT	-	EX. RED LIGHT CABLES
24*	1	2.5"	8 FT	-	EX. (2) 5/#14
25*	2	2.5"	135 FT	-	EX. RED LIGHT CABLES, (8) 4/#18
26*	1	2.5"	36 FT	-	EX. (2) 4/#18, (3) 5/#14
27*	1	2.5"	69 FT	-	EX. (2) 4/#18, (3) 5/#14
28*	1	2.5"	13 FT	-	EX. (2) 5/#14
29*	1	2.5"	44 FT	-	EX. (2) 4/#18, (1) 5/#14
30*	1	4.0"	36 FT	-	EX. (1) 5/#14
31*	1	2.5"	10 FT	-	EX. (1) 5/#14
32*	1	2.5"	9 FT	-	EX. RED LIGHT CABLES
33*	1	2.5"	44 FT	-	EX. RED LIGHT CABLES
34*	1	2.5"	24 FT	-	EX. RED LIGHT CABLES
35*	1	2.5"	98 FT	-	EX. RED LIGHT CABLES
36*	1	2.5"	11 FT	-	EX. RED LIGHT CABLES ; INSTALL [(2) 4/#18, (2) 9/#14, (1) #6 GROUND]
37*	1	2.5"	286 FT	-	EX. (3) 4/#18
38*	1	2.5"	87 FT	-	EX. RED LIGHT CABLES
39*	1	2.5"	9 FT	-	EX. RED LIGHT CABLES
40*	1	2.5"	114 FT	-	EX. RED LIGHT CABLES
41*	1	2.5"	5 FT	-	EX. RED LIGHT CABLES

* DENOTES EXISTING CONDUIT RUN.
 TYPES: HDPE, PVC, RGS
 INSTALL METHODS: B=BORE, IB=IN BARRIER, OC=OPEN CUT, OS=ON STRUCTURE, T=TRENCH
 SEE SHEET 49 FOR CONTINUATION OF CONDUIT RUN SCHEDULE

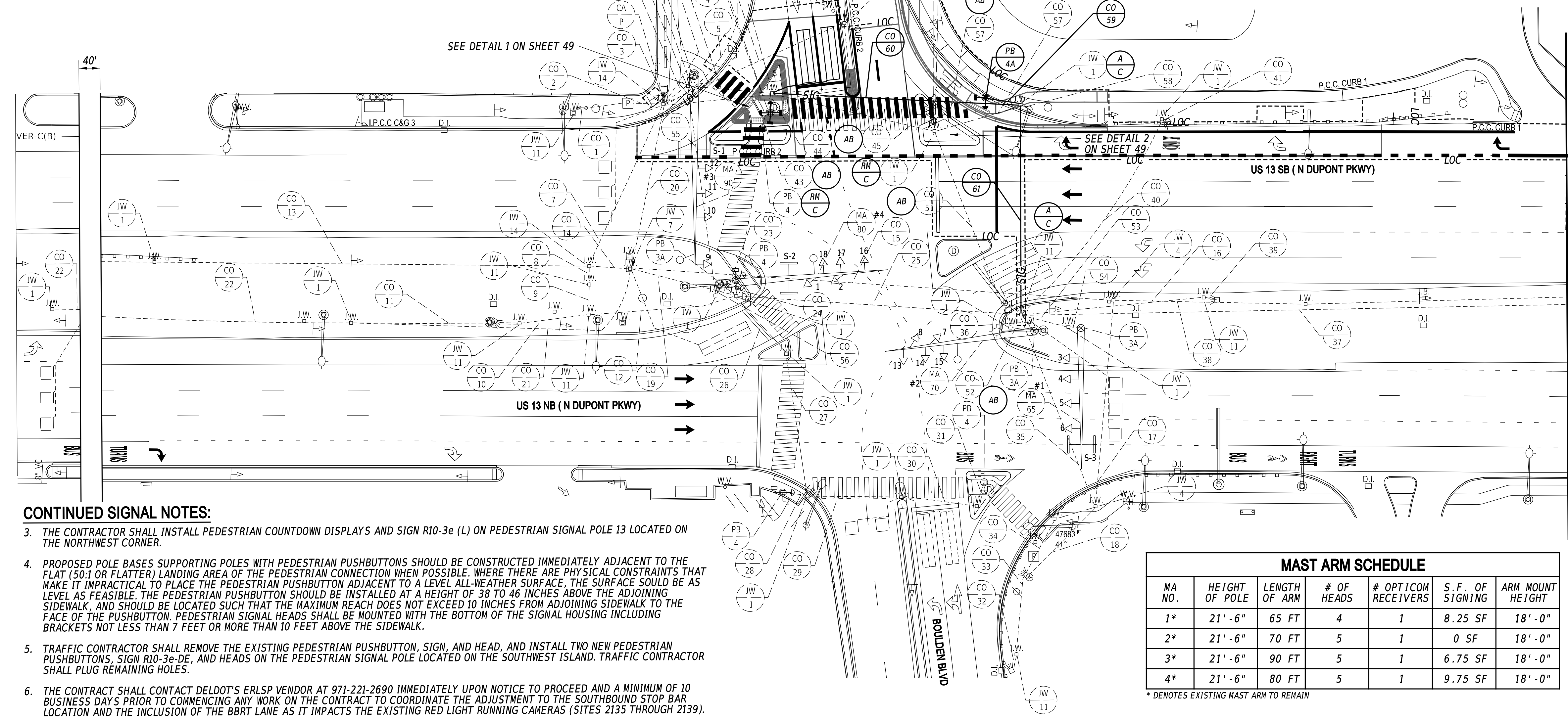


LEGEND			
(AB)	ABANDON	(OH)	EXISTING OVERHEAD RUN IDENTIFIER (# OF OVERHEAD RUN)
(CA)	EXISTING CABINET IDENTIFIER (TYPE OF CABINET)	(OH)	PROPOSED OVERHEAD RUN IDENTIFIER (# OF OVERHEAD RUN)
(CA)	PROPOSED CABINET IDENTIFIER (TYPE OF CABINET)	(PB)	EXISTING POLE BASE IDENTIFIER (TYPE OF POLE BASE)
(CO)	EXISTING CONDUIT RUN IDENTIFIER (# OF CONDUIT RUN)	(PB)	PROPOSED POLE BASE IDENTIFIER (TYPE OF POLE BASE)
(CO)	PROPOSED CONDUIT RUN IDENTIFIER (# OF CONDUIT RUN)	(PL)	EXISTING POLE IDENTIFIER (# OF POLE)
(JW)	EXISTING JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)	(PL)	PROPOSED POLE IDENTIFIER (# OF POLE)
(JW)	PROPOSED JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)	(RM)	REMOVE BY CONTRACTOR
(MA)	EXISTING MAST ARM IDENTIFIER (LENGTH OF ARM)	(RM)	REMOVE BY OTHERS
(MA)	PROPOSED MAST ARM IDENTIFIER (LENGTH OF ARM)	(RM)	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	—	—
SERVICE PEDESTAL	□	□
SIGNAL CABINET	□	□
SIGNAL HEAD	▶	▶
SIGNAL POLE/BASE	⊙	⊙
CCTV CAMERA	□	□
SPAN WIRE	—	—
UTILITY POLE	⊙	⊙
VIDEO DETECTION	▶	▶

GENERAL SIGNAL NOTES

- ALL SIGNAL EQUIPMENT REMOVED FROM A PROJECT IS TO BE RETURNED TO DELDOT TRAFFIC - DOVER, DELAWARE.
- 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.



MATCHLINE SEE SHEET 49

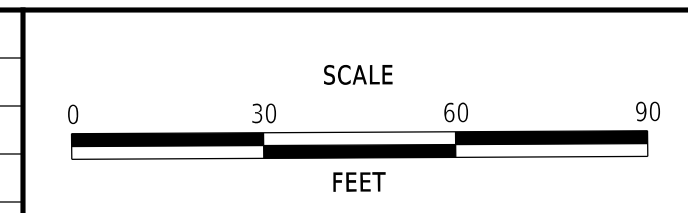
CONTINUED SIGNAL NOTES:

- THE CONTRACTOR SHALL INSTALL PEDESTRIAN COUNTDOWN DISPLAYS AND SIGN R10-3e (L) ON PEDESTRIAN SIGNAL POLE 13 LOCATED ON THE NORTHWEST CORNER.
- PROPOSED POLE BASES SUPPORTING POLES WITH PEDESTRIAN PUSHBUTTONS SHOULD BE CONSTRUCTED IMMEDIATELY ADJACENT TO THE FLAT (50:1 OR FLATTER) LANDING AREA OF THE PEDESTRIAN CONNECTION WHEN POSSIBLE. WHERE THERE ARE PHYSICAL CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON ADJACENT TO A LEVEL ALL-WEATHER SURFACE, THE SURFACE SHOULD BE AS LEVEL AS FEASIBLE. THE PEDESTRIAN PUSHBUTTON SHOULD BE INSTALLED AT A HEIGHT OF 38 TO 46 INCHES ABOVE THE ADJOINING SIDEWALK, AND SHOULD BE LOCATED SUCH THAT THE MAXIMUM REACH DOES NOT EXCEED 10 INCHES FROM ADJOINING SIDEWALK TO THE FACE OF THE PUSHBUTTON. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 7 FEET OR MORE THAN 10 FEET ABOVE THE SIDEWALK.
- TRAFFIC CONTRACTOR SHALL REMOVE THE EXISTING PEDESTRIAN PUSHBUTTON, SIGN, AND HEAD, AND INSTALL TWO NEW PEDESTRIAN PUSHBUTTONS, SIGN R10-3e-DE, AND HEADS ON THE PEDESTRIAN SIGNAL POLE LOCATED ON THE SOUTHWEST ISLAND. TRAFFIC CONTRACTOR SHALL PLUG REMAINING HOLES.
- THE CONTRACT SHALL CONTACT DELDOT'S ERLSP VENDOR AT 971-221-2690 IMMEDIATELY UPON NOTICE TO PROCEED AND A MINIMUM OF 10 BUSINESS DAYS PRIOR TO COMMENCING ANY WORK ON THE CONTRACT TO COORDINATE THE ADJUSTMENT TO THE SOUTHBOUND STOP BAR LOCATION AND THE INCLUSION OF THE BBR LANE AS IT IMPACTS THE EXISTING RED LIGHT RUNNING CAMERAS (SITES 2135 THROUGH 2139).

MAST ARM SCHEDULE						
MA NO.	HEIGHT OF POLE	LENGTH OF ARM	# OF HEADS	# OPTICOM RECEIVERS	S.F. OF SIGNING	ARM MOUNT HEIGHT
1*	21' - 6"	65 FT	4	1	8.25 SF	18' - 0"
2*	21' - 6"	70 FT	5	1	0 SF	18' - 0"
3*	21' - 6"	90 FT	5	1	6.75 SF	18' - 0"
4*	21' - 6"	80 FT	5	1	9.75 SF	18' - 0"

* DENOTES EXISTING MAST ARM TO REMAIN

ADDENDA / REVISIONS	



US 13 SOUTHBOUND BBR LANE

CONTRACT	T202201102
COUNTY	NEW CASTLE
PERMIT NO.	N217
DESIGNED BY:	C. COURTNEY
CHECKED BY:	T. LORD

SECTION	PAI
SHEET NO.	49
SIGNAL PLAN US 13 (N DUPONT HWY) @ BACON AVENUE/ BOULDEN BOULEVARD	

PREPARED BY
PENNONI ASSOCIATES INC.
Teresa Lord
 DATE: 5/16/2024
 CHIEF TRAFFIC ENGINEER

TERESA M. LORD
 LICENSE No. 24274
 PROFESSIONAL ENGINEER
 DELAWARE
 SEAL

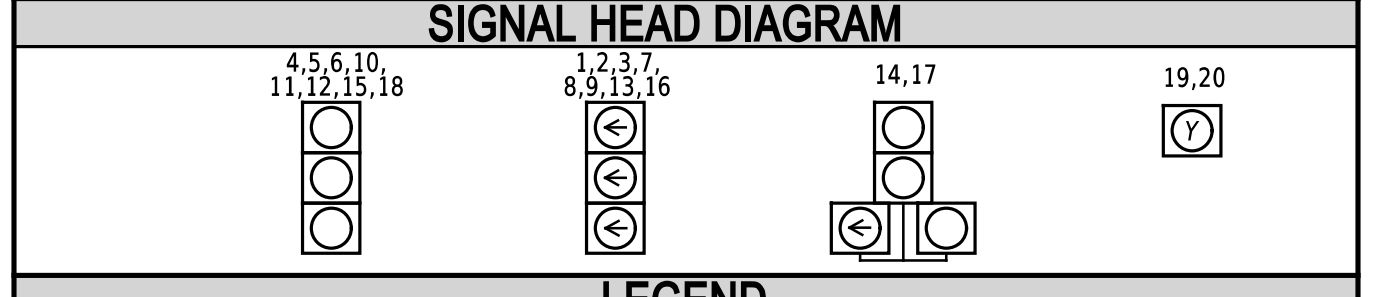
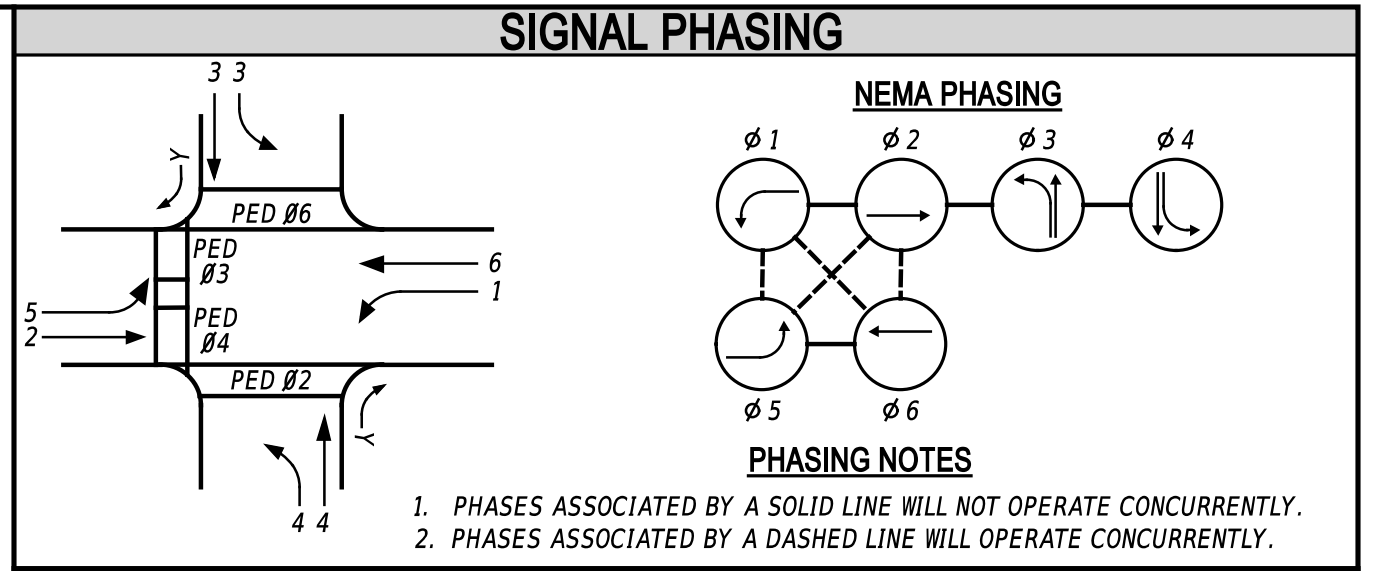
CONCURRENCE FOR INSTALLATION
 DATE: 5/16/2024

CONDUIT RUN SCHEDULE					
CO NO.	NO. OF CONDUITS	SIZE/TYPE	LENGTH	INSTALL METHOD	AMOUNT AND TYPE OF CABLE / WIRE
42*	1	2.5"	50 FT	-	EX. (2) 5/#14
43*	1	2.5"	17 FT	-	REMOVE (1) 5/#14 ; ABANDON
44*	1	2.5"	10 FT	-	EX. (2) 5/#14
45*	1	2.5"	79 FT	-	REMOVE [(1) 5/#14, (2) 4/#18, (3) 9/#14, (1) 4/#14, (1) #6 GND] ; ABANDON
46*	1	2.5"	5 FT	-	REMOVE (1) 5/#14 ; ABANDON
47*	1	2.5"	94 FT	-	EX. (2) 4/#18
48*	2	4.0"	13 FT	-	EX. (4) 4/#18, (5) 9/#14, (1) #6 GROUND
49*	1	3.0"	4FT	-	EX. (1) 4/#18, (1) 9/#14, (1) #6 GROUND
50*	1	4.0"	37 FT	-	EX. (2) 4/#18, (3) 9/#14, (1) #6 GROUND
51*	1	4.0"	99 FT	-	REMOVE (2) 4/#18, (2) 9/#14, (1) #6 GROUND] ; ABANDON

* DENOTES EXISTING CONDUIT RUN.
 TYPES: HDPE, PVC, RGS
 INSTALL METHODS: B=BORE, IB=IN BARRIER, OC=OPEN CUT, OS=ON STRUCTURE, T=TRENCH

CONDUIT RUN SCHEDULE					
CO NO.	NO. OF CONDUITS	SIZE/TYPE	LENGTH	INSTALL METHOD	AMOUNT AND TYPE OF CABLE / WIRE
52*	1	3.0"	11 FT	-	REMOVE (1) 4/#18, (1) 9/#14, (1) #6 GROUND ; ABANDON
53*	1	4.0"	102 FT	-	EX. (1) 4/#18, (1) 9/#14, (1) #6 GROUND
54*	1	3.0"	9 FT	-	EX. (1) 4/#18, (1) 0/#14, (1) #6 GROUND
55*	1	4.0"	101 FT	-	EX. (1) 4/#18, (1) 9/#14, (1) #6 GROUND
56*	1	3.0"	5 FT	-	EX. (1) 4/#18, (1) 9/#14, (1) #6 GROUND
57*	1	4.0"	43 FT	-	REMOVE [(1) 9/#14, (1) #6 GROUND] ; ABANDON
58*	1	2.0"	25 FT	-	EX. (1) 9/#14, (1) #6 GROUND
59	1	2.5" PVC	16 FT	T	INSTALL [(1) 5/#14, (1) #6 GROUND]
60	1	4.0" HDPE	116 FT	B	INSTALL [(1) 5/#14, (2) 4/#18, (3) 9/#14, (1) 4/#14, (1) #6 GROUND]
61	1	4.0" HDPE	98 FT	B	INSTALL [(2) 4/#18, (2) 9/#14, (1) #6 GROUND]

* DENOTES EXISTING CONDUIT RUN.
 TYPES: HDPE, PVC, RGS
 INSTALL METHODS: B=BORE, IB=IN BARRIER, OC=OPEN CUT, OS=ON STRUCTURE, T=TRENCH



LEGEND			
(AB)	ABANDON	(OH)	EXISTING OVERHEAD RUN IDENTIFIER (# OF OVERHEAD RUN)
(CA)	EXISTING CABINET IDENTIFIER (TYPE OF CABINET)	(OH)	PROPOSED OVERHEAD RUN IDENTIFIER (# OF OVERHEAD RUN)
(CB)	PROPOSED CABINET IDENTIFIER (TYPE OF CABINET)	(PB)	EXISTING POLE BASE IDENTIFIER (TYPE OF POLE BASE)
(CO)	EXISTING CONDUIT RUN IDENTIFIER (# OF CONDUIT RUN)	(PB)	PROPOSED POLE BASE IDENTIFIER (TYPE OF POLE BASE)
(CP)	PROPOSED CONDUIT RUN IDENTIFIER (# OF CONDUIT RUN)	(PL)	EXISTING POLE IDENTIFIER (# OF POLE)
(JW)	EXISTING JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)	(PL)	PROPOSED POLE IDENTIFIER (# OF POLE)
(JW)	PROPOSED JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)	(RM)	REMOVE BY CONTRACTOR
(MA)	EXISTING MAST ARM IDENTIFIER (LENGTH OF ARM)	(RM)	REMOVE BY OTHERS
(MA)	PROPOSED MAST ARM IDENTIFIER (LENGTH OF ARM)	(RM)	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	□	□
SIGNAL CABINET	□	■
SIGNAL HEAD	↔	↔
SIGNAL POLE/BASE	⊙	⊙
CCTV CAMERA	□	■
SPAN WIRE	—XX—	—XX—
UTILITY POLE	⊙	⊙
VIDEO DETECTION	⊂	⊂

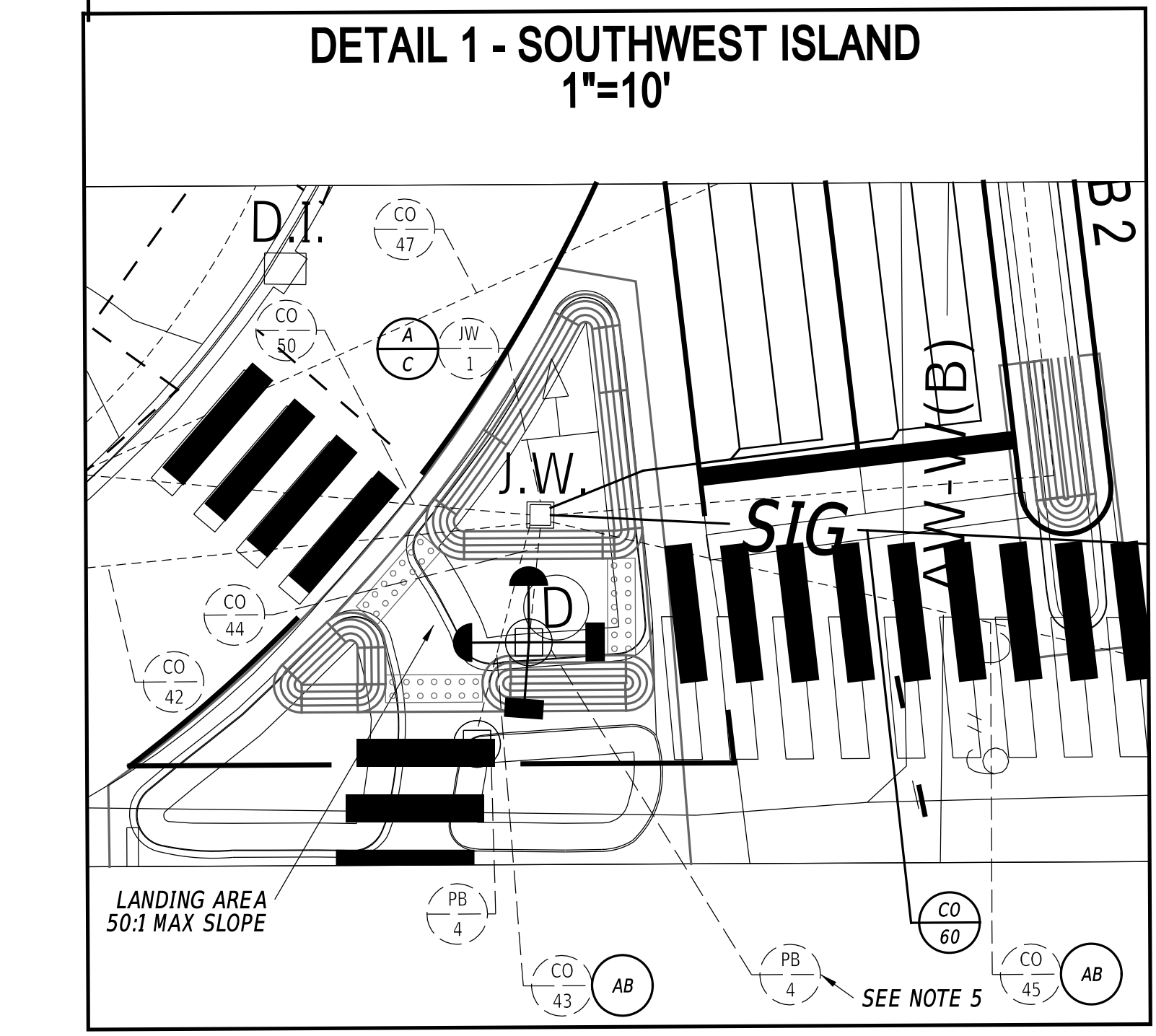
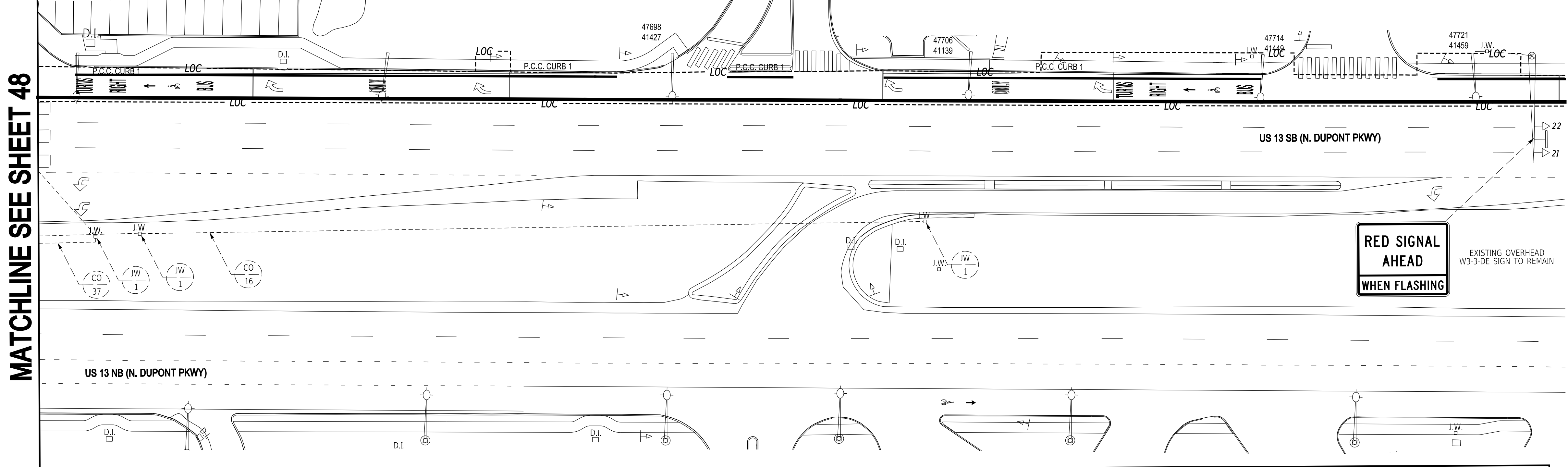
GENERAL SIGNAL NOTES

- ALL SIGNAL EQUIPMENT REMOVED FROM A PROJECT IS TO BE RETURNED TO DELDOT TRAFFIC - DOVER, DELAWARE.
- 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
Pennoni PENNONI ASSOCIATES INC.
Teresa Lord
 DATE: 5/16/2024
 THIS SEAL APPLIES TO ALL SHEETS BEARING THE "PAI" SECTION DESIGNATION.

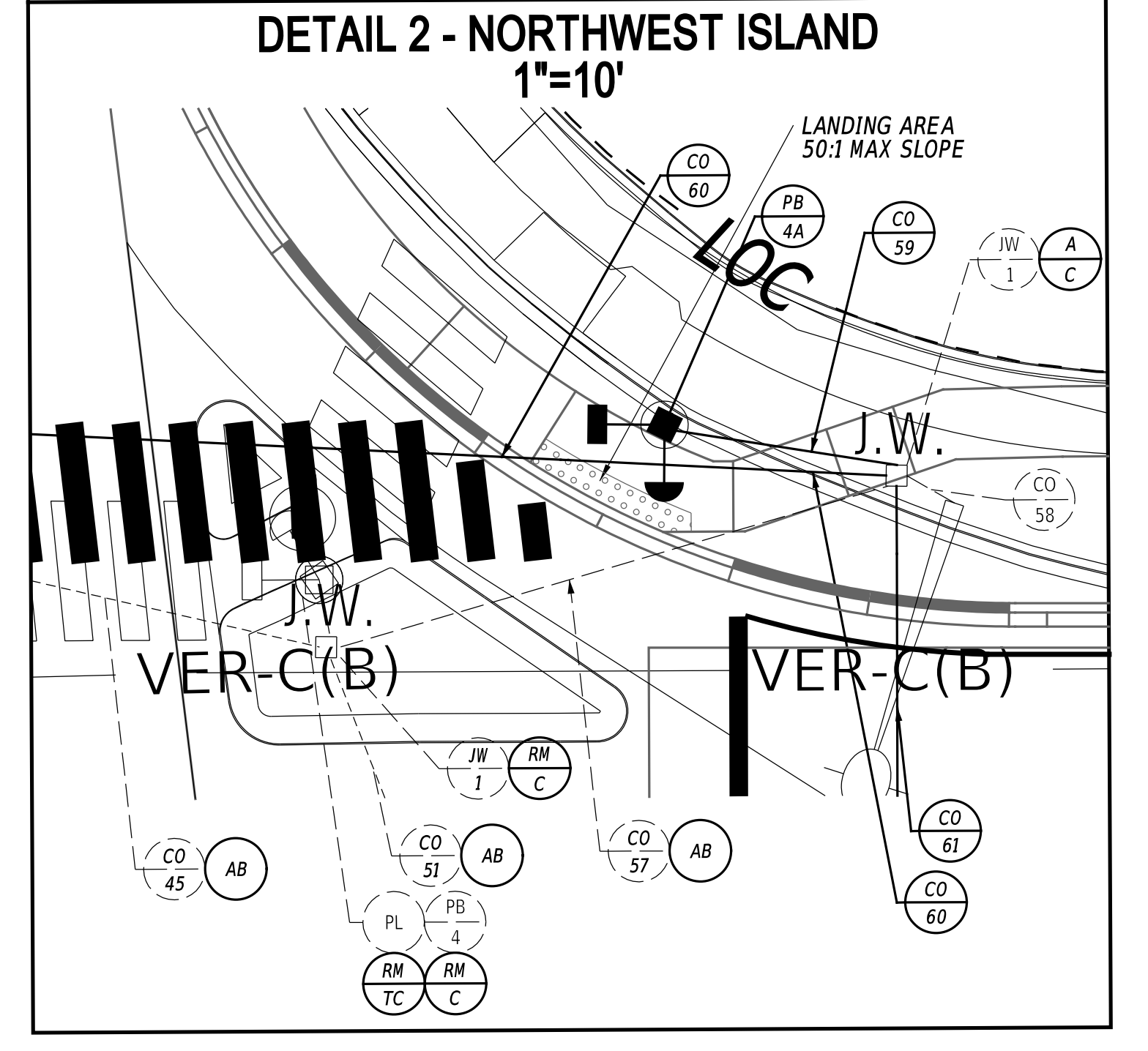
TERESA M. LORD
 LICENSE No. 24274
 DELAWARE PROFESSIONAL ENGINEER
 SEAL

CONCURRENCE FOR INSTALLATION
Teresa Lord
 CHIEF TRAFFIC ENGINEER
 DATE: 5/16/2024



CONTINUED SIGNAL NOTES:

- THE CONTRACTOR SHALL INSTALL PEDESTRIAN COUNTDOWN DISPLAYS AND SIGN R10-3e (L) ON PEDESTRIAN SIGNAL POLE 13 LOCATED ON THE NORTHWEST CORNER.
- PROPOSED POLE BASES SUPPORTING POLES WITH PEDESTRIAN PUSHBUTTONS SHOULD BE CONSTRUCTED IMMEDIATELY ADJACENT TO THE FLAT (50:1 OR FLATTER) LANDING AREA OF THE PEDESTRIAN CONNECTION WHEN POSSIBLE. WHERE THERE ARE PHYSICAL CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON ADJACENT TO A LEVEL ALL-WEATHER SURFACE, THE SURFACE SHOULD BE AS LEVEL AS FEASIBLE. THE PEDESTRIAN PUSHBUTTON SHOULD BE INSTALLED AT A HEIGHT OF 38 TO 46 INCHES ABOVE THE ADJOINING SIDEWALK, AND SHOULD BE LOCATED SUCH THAT THE MAXIMUM REACH DOES NOT EXCEED 10 INCHES FROM ADJOINING SIDEWALK TO THE FACE OF THE PUSHBUTTON. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 7 FEET OR MORE THAN 10 FEET ABOVE THE SIDEWALK.
- TRAFFIC CONTRACTOR SHALL REMOVE THE EXISTING PEDESTRIAN PUSHBUTTON, SIGN, AND HEAD, AND INSTALL TWO NEW PEDESTRIAN PUSHBUTTONS, SIGN R10-3e-DE, AND HEADS ON THE PEDESTRIAN SIGNAL POLE LOCATED ON THE SOUTHWEST ISLAND. TRAFFIC CONTRACTOR SHALL PLUG REMAINING HOLES.
- THE CONTRACT SHALL CONTACT DELDOT'S ERLSP VENDOR AT 971-221-2690 IMMEDIATELY UPON NOTICE TO PROCEED AND A MINIMUM OF 10 BUSINESS DAYS PRIOR TO COMMENCING ANY WORK ON THE CONTRACT TO COORDINATE THE ADJUSTMENT TO THE SOUTHBOUND STOP BAR LOCATION AS IT IMPACTS THE EXISTING RED LIGHT RUNNING CAMERAS (SITES 2135 THROUGH 2139).



ADDENDA / REVISIONS	SCALE 0 30 60 90 FEET	CONTRACT T202201102 COUNTY NEW CASTLE	PERMIT NO. N217	DESIGNED BY: C. COURTNEY	CHECKED BY: T. LORD	SECTION PAI	SHEET NO. 50
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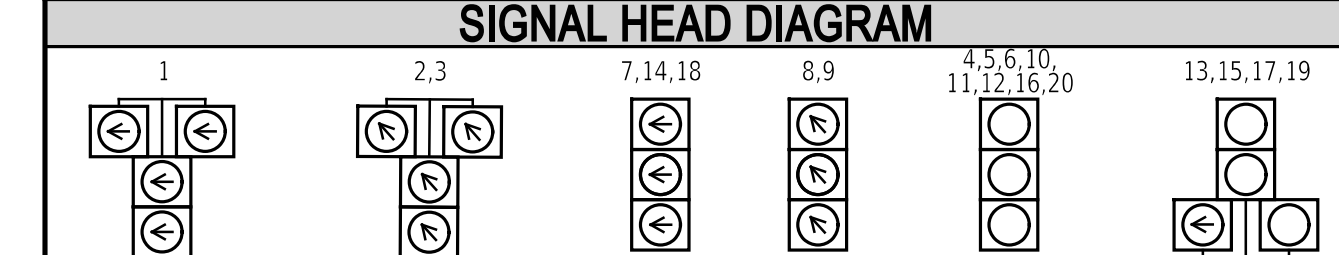
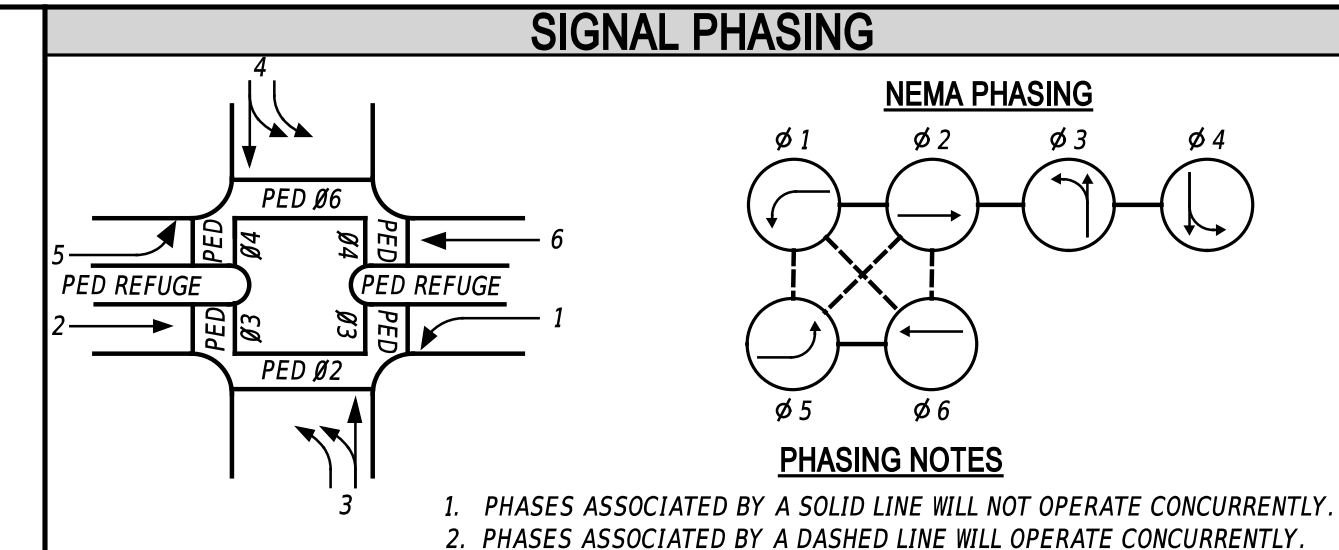
US 13 SOUTHBOUND BBRT LANE

SIGNAL PLAN
 US 13 (N DUPONT HWY) @
 BACON AVENUE/
 BOULDEN BOULEVARD

LAST REVISED: 9/11/2018
 05-AUG-2025
 09:14
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POLE SCHEDULE			
POLE #	POLE TYPE	HEIGHT	MATERIAL
X1*	PEDESTAL	10'	ALUMINUM
X3	STRAIN	28'	STEEL
X4	PEDESTAL	10'	ALUMINUM
X5	PEDESTAL	10'	ALUMINUM
X6	PEDESTAL	10'	ALUMINUM
X8	STRAIN	28'	STEEL
X9	PEDESTAL	10'	ALUMINUM
X10	PEDESTAL	10'	ALUMINUM
X12	STRAIN	28'	STEEL
X13	PEDESTAL	10'	ALUMINUM
X14	PEDESTAL	10'	ALUMINUM
X16	PEDESTAL	10'	ALUMINUM
X17	STRAIN	28'	STEEL
18	PEDESTAL	10'	ALUMINUM

X - DENOTES EXISTING
* - TO BE REMOVED



LEGEND			
(AB)	ABANDON	(OH)	EXISTING OVERHEAD RUN IDENTIFIER (# OF OVERHEAD RUN)
(CA)	EXISTING CABINET IDENTIFIER (TYPE OF CABINET)	(OH#)	PROPOSED OVERHEAD RUN IDENTIFIER (# OF OVERHEAD RUN)
(CA#)	PROPOSED CABINET IDENTIFIER (TYPE OF CABINET)	(PB)	EXISTING POLE BASE IDENTIFIER (TYPE OF POLE BASE)
(CO)	EXISTING CONDUIT RUN IDENTIFIER (# OF CONDUIT RUN)	(PB#)	PROPOSED POLE BASE IDENTIFIER (TYPE OF POLE BASE)
(CO#)	PROPOSED CONDUIT RUN IDENTIFIER (# OF CONDUIT RUN)	(PL)	EXISTING POLE IDENTIFIER (# OF POLE)
(JW)	EXISTING JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)	(PL#)	PROPOSED POLE IDENTIFIER (# OF POLE)
(JW#)	PROPOSED JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)	(RM)	REMOVE BY CONTRACTOR
(MA)	EXISTING MAST ARM IDENTIFIER (LENGTH OF ARM)	(RM#)	REMOVE BY OTHERS
(MA#)	PROPOSED MAST ARM IDENTIFIER (LENGTH OF ARM)	(RM#)	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	---	---
SERVICE PEDESTAL	⊞	⊞
SIGNAL CABINET	⊞	⊞
SIGNAL HEAD	⤴	⤴
SIGNAL POLE/BASE	⊙	⊙
CCTV CAMERA	⊞	⊞
SPAN WIRE	XX	XX
UTILITY POLE	⊞	⊞
VIDEO DETECTION	⤴	⤴

GENERAL SIGNAL NOTES

- ALL SIGNAL EQUIPMENT REMOVED FROM A PROJECT IS TO BE RETURNED TO DELDOT TRAFFIC - DOVER, DELAWARE.
- 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
Pennoni PENNONI ASSOCIATES INC.
Teresa Lord
 DATE: 5/16/2024
 THIS SEAL APPLIES TO ALL SHEETS BEARING THE "PAI" SECTION DESIGNATION.

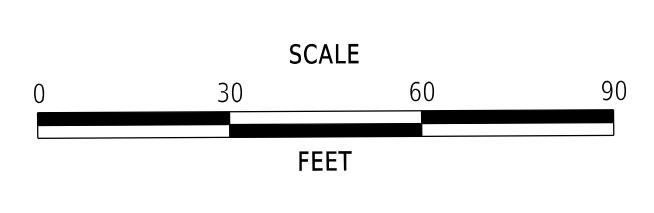
TERESA M. LORD
 LICENSE NO. 24274
 DELAWARE PROFESSIONAL ENGINEER
 SEAL

CONCURRENCE FOR INSTALLATION
T. Lord
 CHIEF TRAFFIC ENGINEER
 DATE: 5/16/2024

MATCH LINE SEE SHEET 51

- CONTINUED SIGNAL NOTES:**
- CONTRACTOR SHALL INSTALL PROPOSED ACCESSIBLE PEDESTRIAN SIGNAL (APS) WITH ATTACHED COUNTDOWN PEDESTRIAN SIGNS WITH ARROWS ON PROPOSED PEDESTAL POLE #18. PROPOSED APS PUSH BUTTON AND ASSOCIATED COUNTDOWN R10-3e-DE3 SIGN SHALL BE INSTALLED PERPENDICULAR TO THE CROSSWALK IT CONTROLS.
 - PROPOSED POLE BASES SUPPORTING POLES WITH PEDESTRIAN PUSHBUTTONS SHOULD BE CONSTRUCTED IMMEDIATELY ADJACENT TO THE FLAT (50:1 OR FLATTER) LANDING AREA OF THE PEDESTRIAN CONNECTION WHEN POSSIBLE. WHERE THERE ARE PHYSICAL CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON ADJACENT TO A LEVEL ALL-WEATHER SURFACE, THE SURFACE SHOULD BE AS LEVEL AS FEASIBLE. THE PEDESTRIAN PUSHBUTTON SHOULD BE INSTALLED AT A HEIGHT OF 38 TO 46 INCHES ABOVE THE ADJOINING SIDEWALK, AND SHOULD BE LOCATED SUCH THAT THE MAXIMUM REACH DOES NOT EXCEED 10 INCHES FROM ADJOINING SIDEWALK TO THE FACE OF THE PUSHBUTTON. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 7 FEET OR MORE THAN 10 FEET ABOVE THE SIDEWALK.
 - THE CONTRACTOR SHALL CONTACT DELDOT'S ERLSP VENDOR AT 971-221-2690 IMMEDIATELY UPON NOTICE TO PROCEED AND A MINIMUM OF 10 BUSINESS DAYS PRIOR TO COMMENCING ANY WORK ON THE CONTRACT TO COORDINATE THE INCLUSION OF THE SOUTHBOUND BBRT LANE AS IT IMPACTS THE EXISTING RED LIGHT RUNNING CAMERAS (SITES 2135 THROUGH 2139).
 - THE TRAFFIC CONTRACTOR SHALL INSTALL A CCTV CAMERA ON SIGNAL POLE NO. 17.

ADDENDA / REVISIONS



US 13 SOUTHBOUND BBRT LANE

CONTRACT	7202201102
COUNTY	NEW CASTLE
PERMIT NO.	N179 / NCAM074
DESIGNED BY:	C. COURTNEY
CHECKED BY:	T. LORD

SIGNAL PLAN	
US 13 @ MEMORIAL DR	
SECTION	PAI
SHEET NO.	51

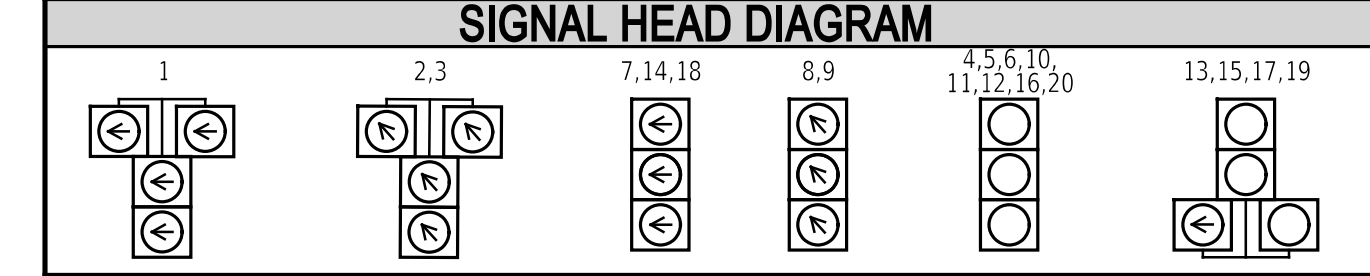
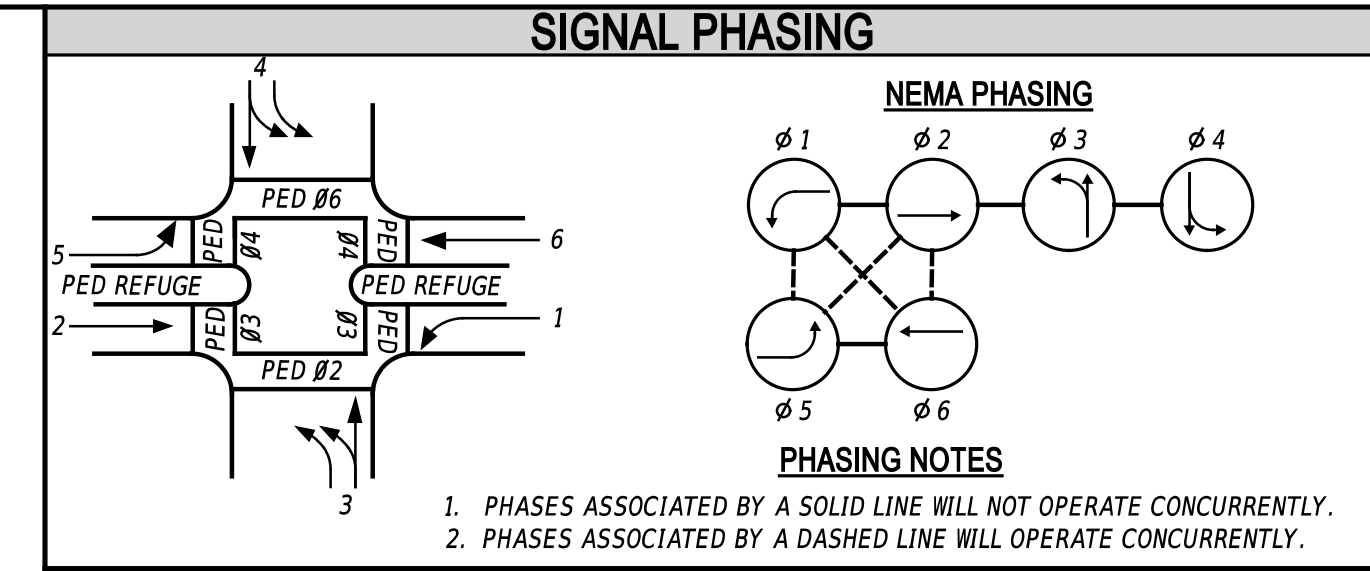
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06-AUG-2025
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CONDUIT RUN SCHEDULE					
CO NO.	NO. OF CONDUITS	SIZE/TYPE	LENGTH	INSTALL METHOD	AMOUNT AND TYPE OF CABLE / WIRE
1*	1	2.0"	15 FT	-	EXISTING (1) 2/#8 U.F. W/GROUND
2*	1	2.0"	50 FT	-	EXISTING (1) 2/#8 U.F. W/GROUND
3*	1	2.5"	5 FT	-	EXISTING (4) 4/#18, (2) 16/#14 ; INSTALL (1) CAT 5E CABLE
4*	2	2.5"	7 FT	-	EXISTING (2) 12 MM, (8) RLE CABLES, (4) 5/#14, (20) 2/#14
5*	1	2.5"	101 FT	-	EXISTING (3) RLE CABLE, (3) 2/#14, (2) 5/#14, (1) #6 AWG INSTALL [(2) 5/#14]
6*	1	2.5"	162 FT	-	EXISTING (3) 2/#14, (1) #6 AWG
7*	1	2.5"	309 FT	-	EXISTING (3) 2/#14, (1) #6 AWG
8*	1	2.5"	92 FT	-	EXISTING (2) 12 MM, (1) 144 SM, (4) 2/#14, (2) 5/#14, (1) #6 AWG]
9*	1	2.5"	98 FT	-	EXISTING (2) 12 MM, (3) RLE CABLE
10*	1	2.5"	32 FT	-	EXISTING (1) RLE CABLE, (4) 2/#14, (6) 5/#14, (1) #6 AWG
11*	1	2.5"	60 FT	-	ABANDONED
12*	1	2.5"	33 FT	-	ABANDONED
13*	1	2.5"	200 FT	-	EXISTING (3) 2/#14, (1) #6 AWG
14*	1	2.5"	180 FT	-	EXISTING (3) 2/#14, (1) #6 AWG
15*	1	1.0"	10 FT	-	EXISTING (6) 1/#14
16*	1	2.5"	206 FT	-	EXISTING (1) 4/#18
17*	1	2.5"	225 FT	-	EXISTING (1) 4/#18
18*	1	2.5"	78 FT	-	EXISTING (2) 12 MM, (1) 144 SM, (3) 2/#14, (1) #6 AWG
19*	1	2.5"	39 FT	-	ABANDONED
20*	1	2.5"	2 FT	-	ABANDONED
21*	1	2.5"	26 FT	-	EXISTING (1) 5/#14, (1) #6 AWG
22*	1	2.5"	16 FT	-	EXISTING (1) 5/#14, (1) #6 AWG
23*	1	2.5"	15 FT	-	ABANDONED
24*	1	2.5"	5 FT	-	ABANDONED
25*	1	2.5"	7 FT	-	ABANDONED
26*	1	2.5"	101 FT	-	EXISTING (15) 2/#14, (2) 5/#14, (1) #6 BSC

* DENOTES EXISTING CONDUIT RUN.
 TYPES: HDPE, PVC, RGS
 INSTALL METHODS: B=BORE, IB=IN BARRIER, OC=OPEN CUT, OS=ON STRUCTURE, T=TRENCH

CONDUIT RUN SCHEDULE					
CO NO.	NO. OF CONDUITS	SIZE/TYPE	LENGTH	INSTALL METHOD	AMOUNT AND TYPE OF CABLE / WIRE
27*	1	2.5"	10 FT	-	ABANDONED
28*	1	2.5"	23 FT	-	EXISTING (15) 2/#14, (2) 5/#14, (1) #6 BSC
29*	1	2.5"	92 FT	-	EXISTING (3) 2/#14, (1) #6 BSC
30*	1	2.5"	98 FT	-	EXISTING (2) 12 MM, 144 SM
31*	1	4.0"	650 FT	-	EXISTING (2) 12 MM, (1) 144 SM
32*	1	2.5"	5 FT	-	EXISTING (1) 5/#14, (1) #6 AWG
33*	1	2.5"	10 FT	-	REMOVE [(2) 5/#14, (1) #6 AWG] ; ABANDON
34*	1	4.0"	70 FT	-	REMOVE [(2) 5/#14, (1) #6 AWG] ; ABANDON
35*	1	2.5"	15 FT	-	EXISTING (1) 5/#14, (1) #6 AWG
36*	1	2.5"	10 FT	-	EXISTING (1) 5/#14, (1) #6 AWG
37*	1	2.5"	5 FT	-	EXISTING (2) 12 MM, (1) 144 SM, (3) 2/#14, (1) #6 AWG
38*	1	2.5"	5 FT	-	EXISTING (2) 12 MM, (1) 144 SM, (2) 5/#14, (3) 2/#14, (1) #6 AWG
39*	1	4.0"	75 FT	-	EXISTING (4) 5/#14, (4) 2/#14, (1) #6 AWG, (1) RLE CABLE
40*	1	2.5"	30 FT	-	EXISTING (2) 5/#14, (1) #6 AWG
41*	1	4.0"	70 FT	-	EXISTING (2) 5/#14, (1) #6 AWG, (1) RLE CABLE
42*	1	4.0"	70 FT	-	EXISTING (2) 5/#14, (1) #6 AWG, (1) RLE CABLE
43*	1	2.5"	10 FT	-	EXISTING (1) 5/#14, (1) #6 AWG
44*	1	2.5"	10 FT	-	EXISTING (1) RLE CALBE
45*	1	2.5"	10 FT	-	EXISTING (1) 5/#14, (1) #6 AWG
46*	2	2.5"	10 FT	-	EXISTING (3) RLE CABLE
47*	1	2.5"	5 FT	-	EXISTING (3) RLE CALBE, (3) 2/#14, (1) #6 AWG
48*	1	2.5"	10 FT	-	EXISTING (3) 2/#14, (1) #6 AWG
49*	1	4.0"	45 FT	-	EXISTING (4) 5/#14, (1) #6 AWG
50*	1	4.0"	75 FT	-	EXISTING (4) 5/#14, (1) #6 AWG
51*	1	2.5"	10 FT	-	EXISTING (2) 2/#14, (1) #6 AWG
52	1	2.5" PVC	39 FT	T	[INSTALL (2) 5/#14, (1) #6 GND]

* DENOTES EXISTING CONDUIT RUN.
 TYPES: HDPE, PVC, RGS
 INSTALL METHODS: B=BORE, IB=IN BARRIER, OC=OPEN CUT, OS=ON STRUCTURE, T=TRENCH

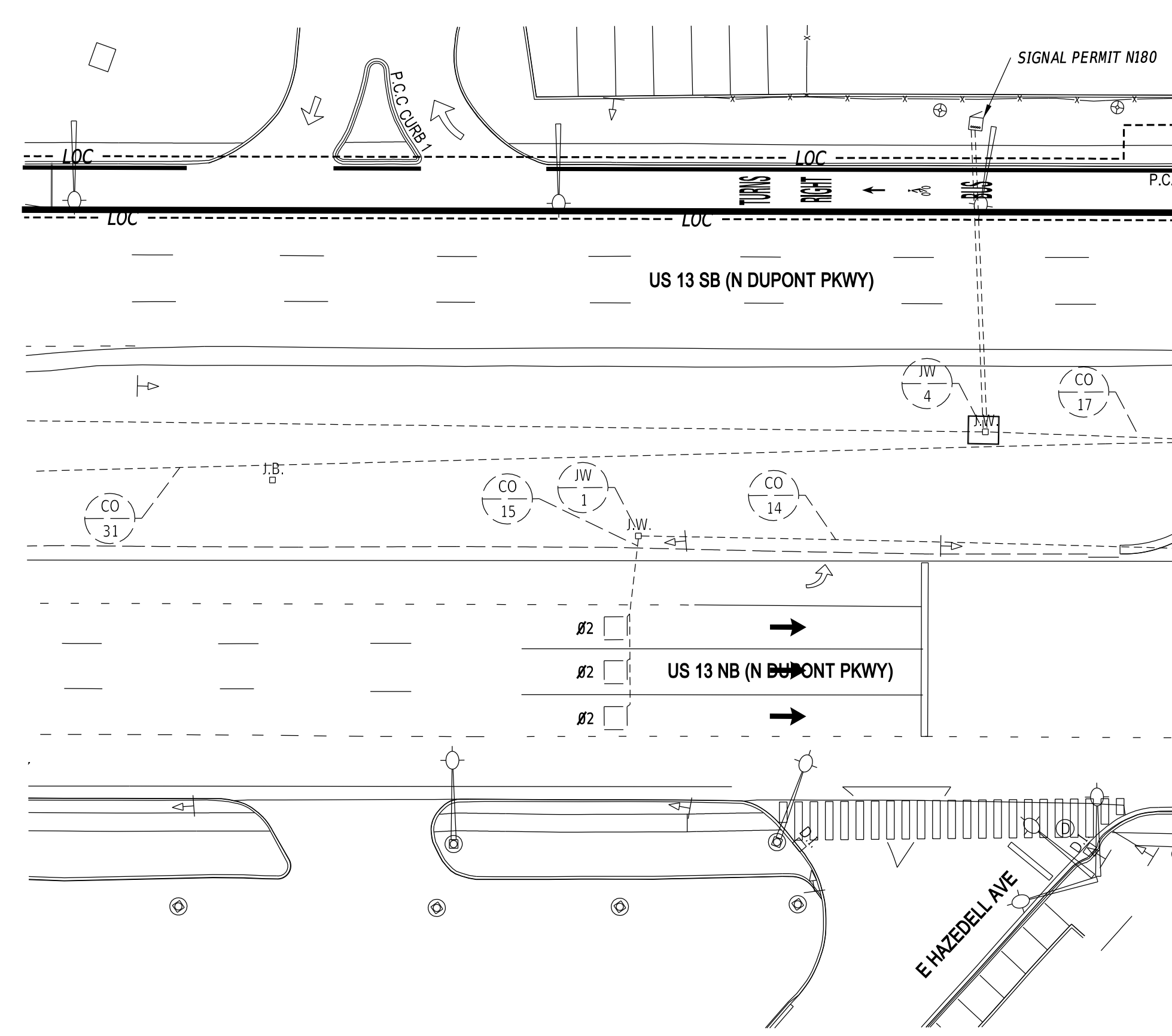


LEGEND			
(AB)	ABANDON	(OH)	EXISTING OVERHEAD RUN IDENTIFIER (# OF OVERHEAD RUN)
(CA)	EXISTING CABINET IDENTIFIER (TYPE OF CABINET)	(OH)	PROPOSED OVERHEAD RUN IDENTIFIER (# OF OVERHEAD RUN)
(CB)	PROPOSED CABINET IDENTIFIER (TYPE OF CABINET)	(PB)	EXISTING POLE BASE IDENTIFIER (TYPE OF POLE BASE)
(CO)	EXISTING CONDUIT RUN IDENTIFIER (# OF CONDUIT RUN)	(PB)	PROPOSED POLE BASE IDENTIFIER (TYPE OF POLE BASE)
(CP)	PROPOSED CONDUIT RUN IDENTIFIER (# OF CONDUIT RUN)	(PL)	EXISTING POLE IDENTIFIER (# OF POLE)
(JW)	EXISTING JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)	(PL)	PROPOSED POLE IDENTIFIER (# OF POLE)
(JW)	PROPOSED JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)	(RM)	REMOVE BY CONTRACTOR
(MA)	EXISTING MAST ARM IDENTIFIER (LENGTH OF ARM)	(RM)	REMOVE BY OTHERS
(MA)	PROPOSED MAST ARM IDENTIFIER (LENGTH OF ARM)	(RM)	REMOVE BY TRAFFIC CONTRACTOR

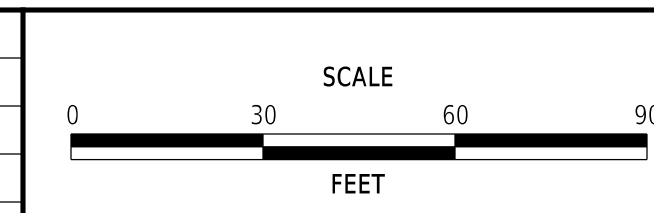
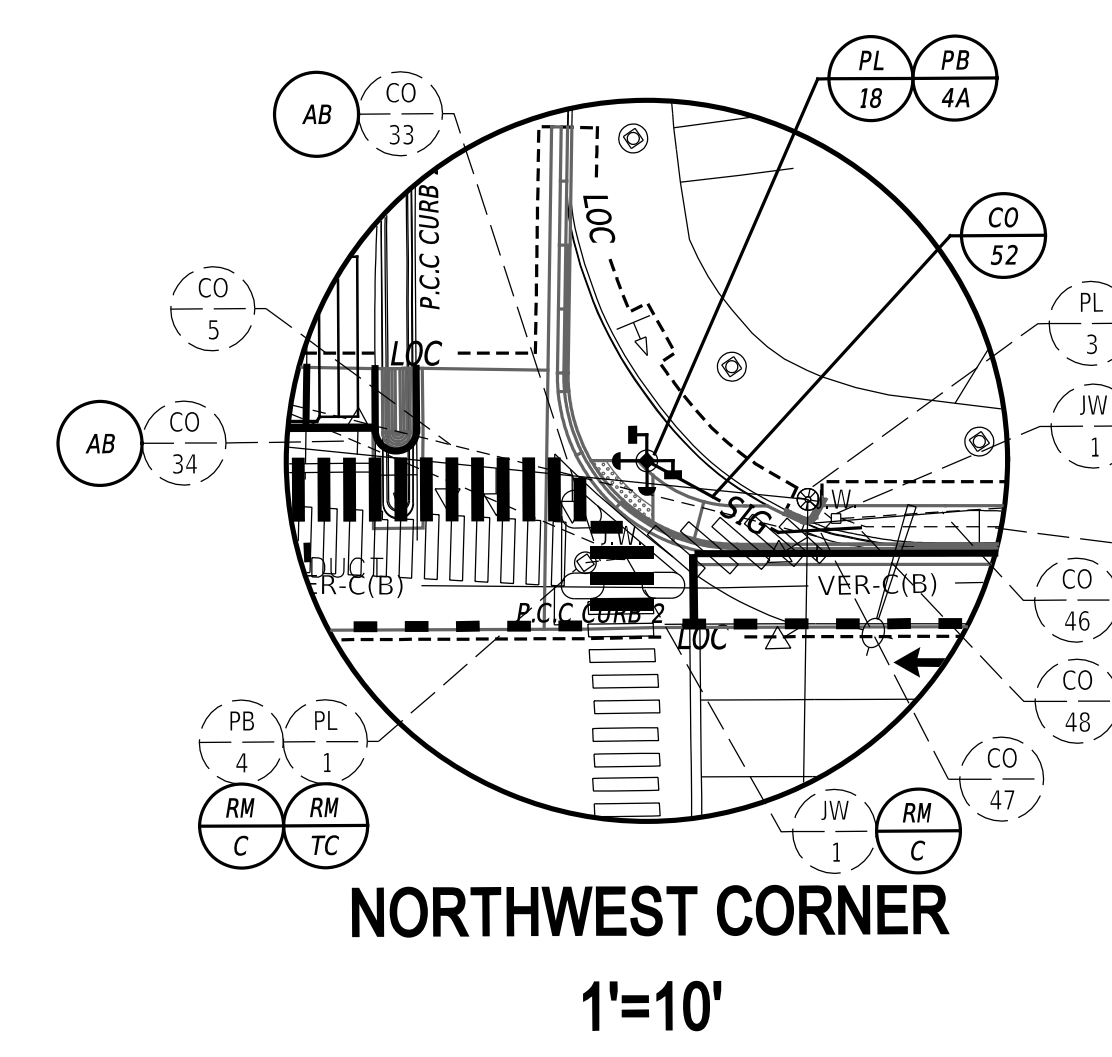
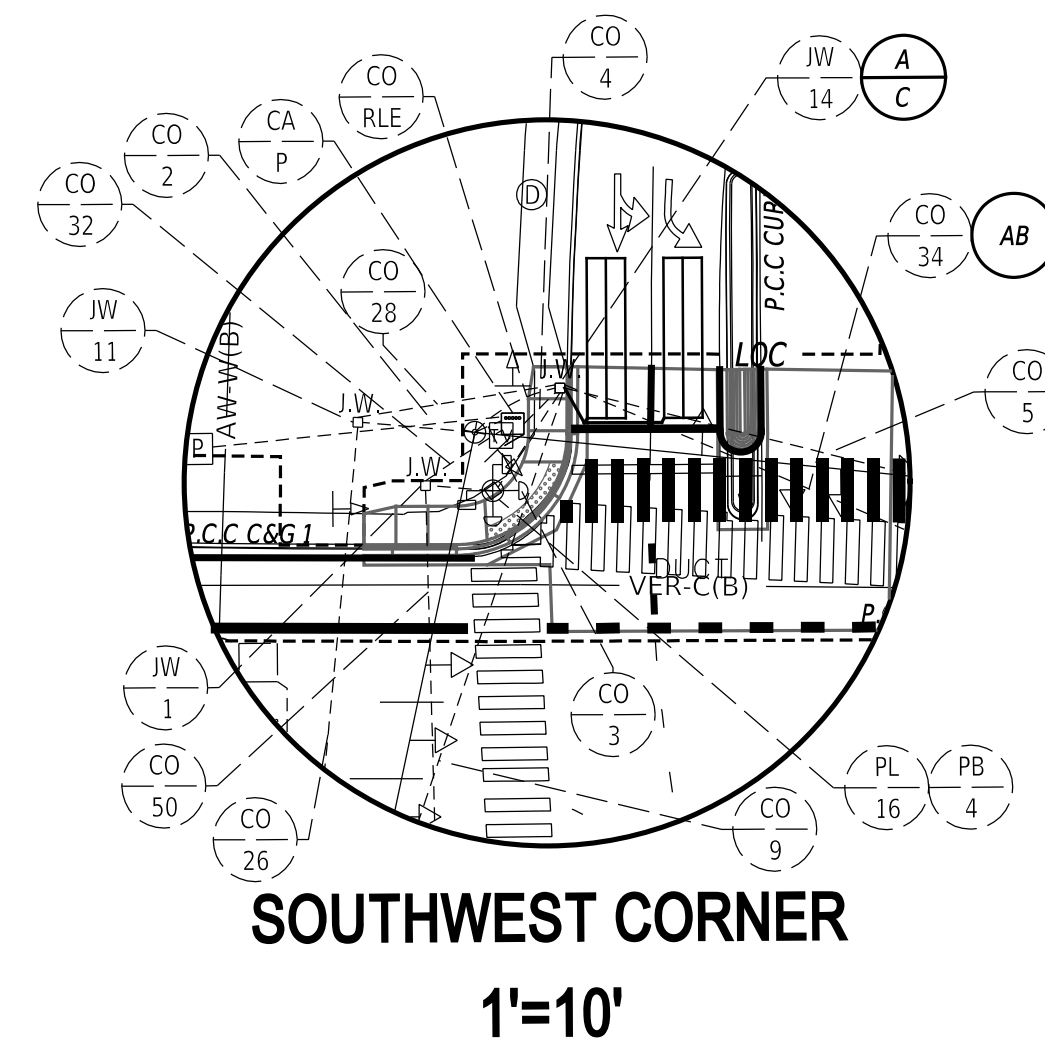
	EXISTING SYMBOL	PROPOSED SYMBOL
JUNCTION WELL	J.W.	■
LOOP DETECTOR, TYPE 1	□	□
LOOP DETECTOR, TYPE 2	□	□
LUMINAIRE	⬆	⬆
MAST ARM	⬆	⬆
MICROWAVE DETECTION	⬆	⬆
OPTICOM RECEIVER	⬆	⬆
OVERHEAD SIGNING	⬆	⬆
PEDESTRIAN POLE/BASE	⊙	⊙
PEDESTRIAN PUSHBUTTON	⬆	⬆
PEDESTRIAN SIGNAL HEAD	⬆	⬆
RIGHT-OF-WAY	---	---
SERVICE PEDESTAL	⬆	⬆
SIGNAL CABINET	⬆	⬆
SIGNAL HEAD	⬆	⬆
SIGNAL POLE/BASE	⊙	⊙
CCTV CAMERA	⬆	⬆
SPAN WIRE	XX	XX
UTILITY POLE	⊙	⊙
VIDEO DETECTION	⬆	⬆

GENERAL SIGNAL NOTES

- ALL SIGNAL EQUIPMENT REMOVED FROM A PROJECT IS TO BE RETURNED TO DELDOT TRAFFIC - DOVER, DELAWARE.
- 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.



MATCH LINE SEE SHEET 50



US 13 SOUTHBOUND BBRT LANE

CONTRACT	7202201102
COUNTY	NEW CASTLE
PERMIT NO.	N179 / NCAM074
DESIGNED BY:	C. COURTNEY
CHECKED BY:	T. LORD

SIGNAL PLAN
US 13 @ MEMORIAL DR

SECTION	PAI
SHEET NO.	52

PREPARED BY
Pennoni PENNONI ASSOCIATES INC.

Teresa Lord
 DATE: 5/16/2024

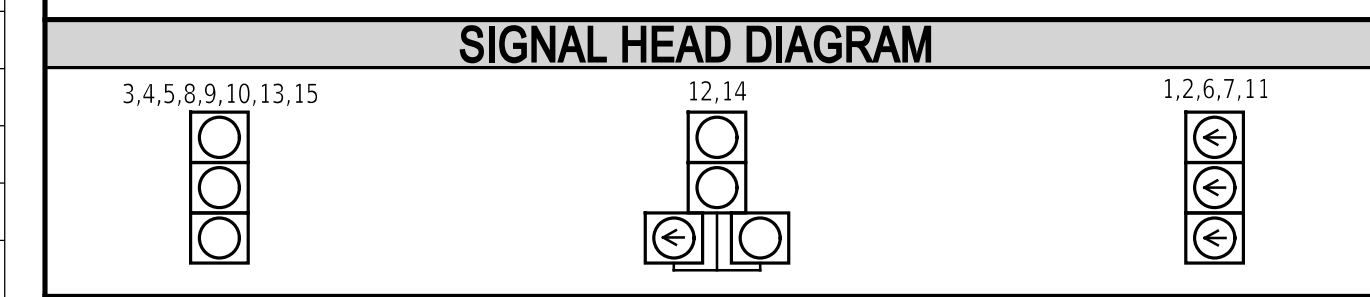
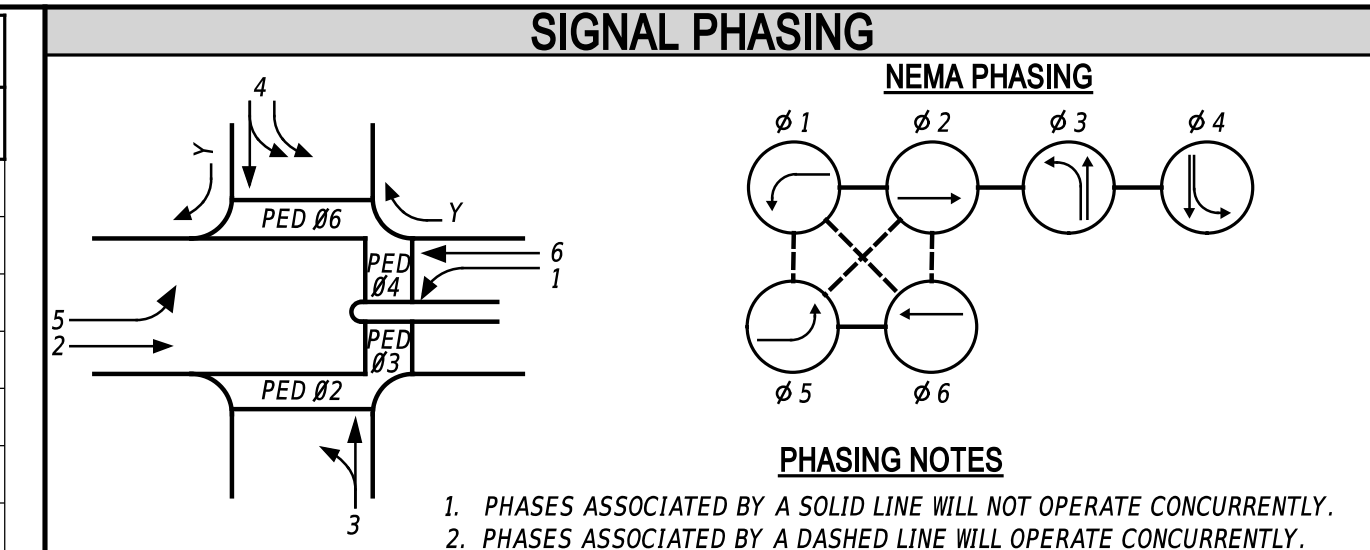
TERESA M. LORD
 LICENSE No. 24274
 DELAWARE PROFESSIONAL ENGINEER

CONCURRENCE FOR INSTALLATION
T. Lord
 CHIEF TRAFFIC ENGINEER DATE: 5/16/2024

CONDUIT RUN SCHEDULE					
CO NO.	NO. OF CONDUITS	SIZE/TYPE	LENGTH	INSTALL METHOD	AMOUNT AND TYPE OF CABLE / WIRE
1*	1	1.5"	100 FT	-	ABANDONED
1A*	1	2.0"	65/30 FT	-	EXISTING (3)#8 THHN STRANDED COPPER
1B*	1	2.0"	30 FT	-	EXISTING (1) 2/#8 U. F. W/GROUND
2*	1	2.5"	30 FT	-	EXISTING (3) 16/#14, (4) 4/#18
3*	2	2.5"	10 FT	-	EXISTING (2) 12 CNT MM, (1) 12 CNT MM ABANDONED, (10) 2/#14, (8) 5/#14, (1) #6 GND
4*	2	2.5"	40 FT	-	EXISTING (2) 12 CNT MM, (1) 12 CNT MM ABANDONED, (10) 2/#14, (4) 5/#14, (1) #6 GND
5*	1	2.5"	85 FT	-	EXISTING (1) 12 CNT MM, (1) 12 CNT MM ABANDONED, (4) 2/#14, (4) 5/#14, (1) #6 GND
6*	1	2.5"	185 FT	-	EXISTING (3) 2/#14, (1) #6 AWG
7*	1	2.5"	135 FT	-	EXISTING (3) 2/#14, (1) #6 AWG
8*	1	2.5"	90 FT	-	EXISTING (1) 12 CNT MM, (1) 12 CNT MM ABANDONED, (1) 2/#14, (2) 5/#14, (1) #6 AWG
9*	1	2.5"	100 FT	-	EXISTING (1) 12 CNT MM, (6) 2/#14, (3) 5/#14, (1) #6 AWG
10*	1	2.5"	105 FT	-	EXISTING (4) 2/#14, (3) 5/#14, (1) #6 AWG
11*	1	2.5"	145 FT	-	EXISTING (3) 2/#14, (1) #6 AWG
12*	1	1.5"	170 FT	-	EXISTING (3) 2/#14, (1) #6 AWG
13*	1	2.5"	80 FT	-	EXISTING (1) 2/#14, (2) 5/#14, (1) #6 AWG
14*	1	2.5"	330 FT	-	EXISTING (1) 144 CNT SM, (1) 48 CNT SM, (1) 12 CNT MM
15*	1	4.0"	200 FT	-	EXISTING (1) 24 CNT SM
16*	1	2.5"	130 FT	-	EXISTING (1) 12 CNT MM

CONDUIT RUN SCHEDULE					
CO NO.	NO. OF CONDUITS	SIZE/TYPE	LENGTH	INSTALL METHOD	AMOUNT AND TYPE OF CABLE / WIRE
17*	1	4.0"	365 FT	-	EXISTING (1) 144 CNT SM, (1) 48 CNT SM
18*	1	2.5"	90 FT	-	EXISTING (1) 12 CNT MM
19*	1	2.5"	590 FT	-	EXISTING (1) 144 CNT SM, (1) 48 CNT SM, (1) 12 CNT MM
20*	1	4.0"	UNK	-	EXISTING (1) 24 CNT SM
21*	1	2.5"	50 FT	-	EXISTING (1) 5/#14, (1) #6 AWG
22*	1	2.5"	35 FT	-	EXISTING (1) 5/#14, (1) #6 AWG
23*	1	1.5"	15 FT	-	EXISTING (2) 1/#14
24*	1	2.5"	15 FT	-	<REMOVE (2) 5/#14, (1) #6 AWG> AND ABANDON
25*	1	2.5"	10 FT	-	EXISTING (1) 5/#14, (1) #6 AWG
26*	1	2.5"	10 FT	-	EXISTING (1) 5/#14, (1) #6 AWG
27*	1	2.5"	10 FT	-	EXISTING (1) 5/#14, (1) #6 AWG
28*	1	1.5"	5 FT	-	EXISTING (6) 1/#14
29*	1	1.5"	5 FT	-	EXISTING (4) 1/#14
30*	1	1.5"	15 FT	-	EXISTING (6) 1/#14
31*	1	1.5"	10 FT	-	EXISTING (4) 1/#14
32*	1	2.5"	35 FT	-	EXISTING (1) 5/#14, (1) #6 AWG
33	1	2.5" PVC	5 FT	T	INSTALL (2) 5/#14, (1) #6 AWG
34	1	1.5" GALV.	18 FT	T	INSTALL (2) 1/#14

* DENOTES EXISTING CONDUIT RUN.
 TYPES: HDPE, PVC, RGS
 INSTALL METHODS: B=BORE, IB=IN BARRIER, OC=OPEN CUT, OS=ON STRUCTURE, T=TRENCH



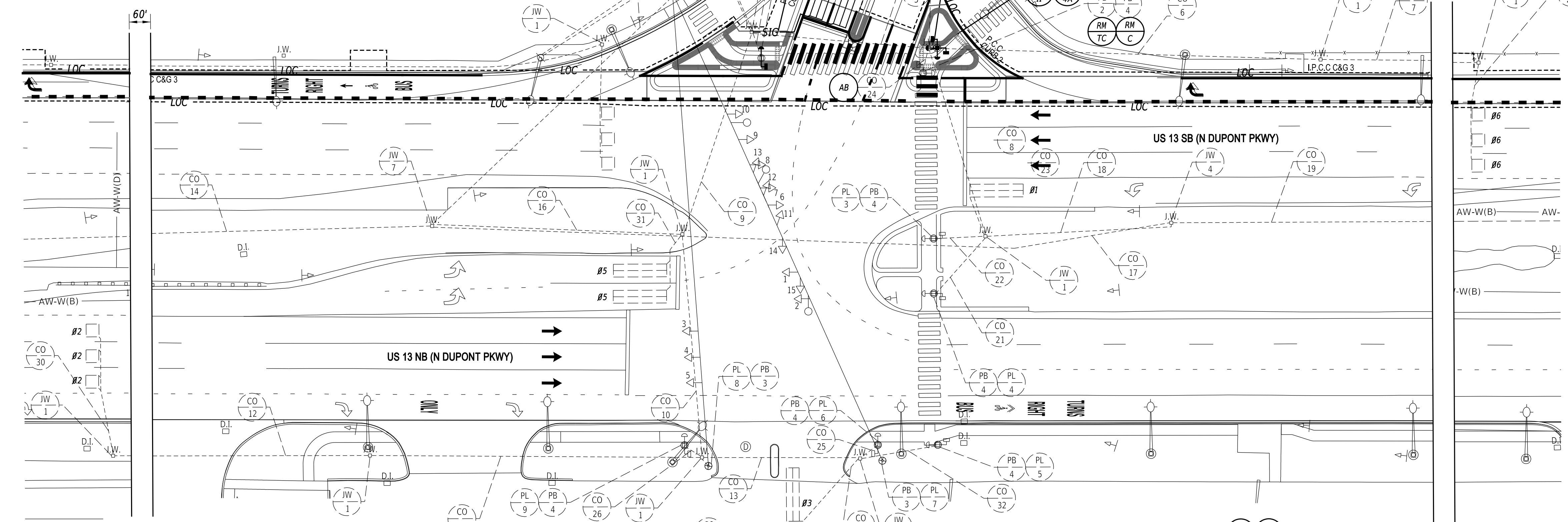
LEGEND			
(AB)	ABANDON	(OH)	EXISTING OVERHEAD RUN IDENTIFIER (# OF OVERHEAD RUN)
(CA)	EXISTING CABINET IDENTIFIER (TYPE OF CABINET)	(OH)	PROPOSED OVERHEAD RUN IDENTIFIER (# OF OVERHEAD RUN)
(CA)	PROPOSED CABINET IDENTIFIER (TYPE OF CABINET)	(PB)	EXISTING POLE BASE IDENTIFIER (TYPE OF POLE BASE)
(CO)	EXISTING CONDUIT RUN IDENTIFIER (# OF CONDUIT RUN)	(PB)	PROPOSED POLE BASE IDENTIFIER (TYPE OF POLE BASE)
(CO)	PROPOSED CONDUIT RUN IDENTIFIER (# OF CONDUIT RUN)	(PL)	EXISTING POLE IDENTIFIER (# OF POLE)
(JW)	EXISTING JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)	(PL)	PROPOSED POLE IDENTIFIER (# OF POLE)
(JW)	PROPOSED JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)	(RM)	REMOVE BY CONTRACTOR
(MA)	EXISTING MAST ARM IDENTIFIER (LENGTH OF ARM)	(RM)	REMOVE BY OTHERS
(MA)	PROPOSED MAST ARM IDENTIFIER (LENGTH OF ARM)	(RM)	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	---	---
SERVICE PEDESTAL	⬇	⬇
SIGNAL CABINET	⬇	⬇
SIGNAL HEAD	⬇	⬇
SIGNAL POLE/BASE	⊙	⊙
CCTV CAMERA	⬇	⬇
SPAN WIRE	XX	XX
UTILITY POLE	⊙	⊙
VIDEO DETECTION	⬇	⬇

GENERAL SIGNAL NOTES

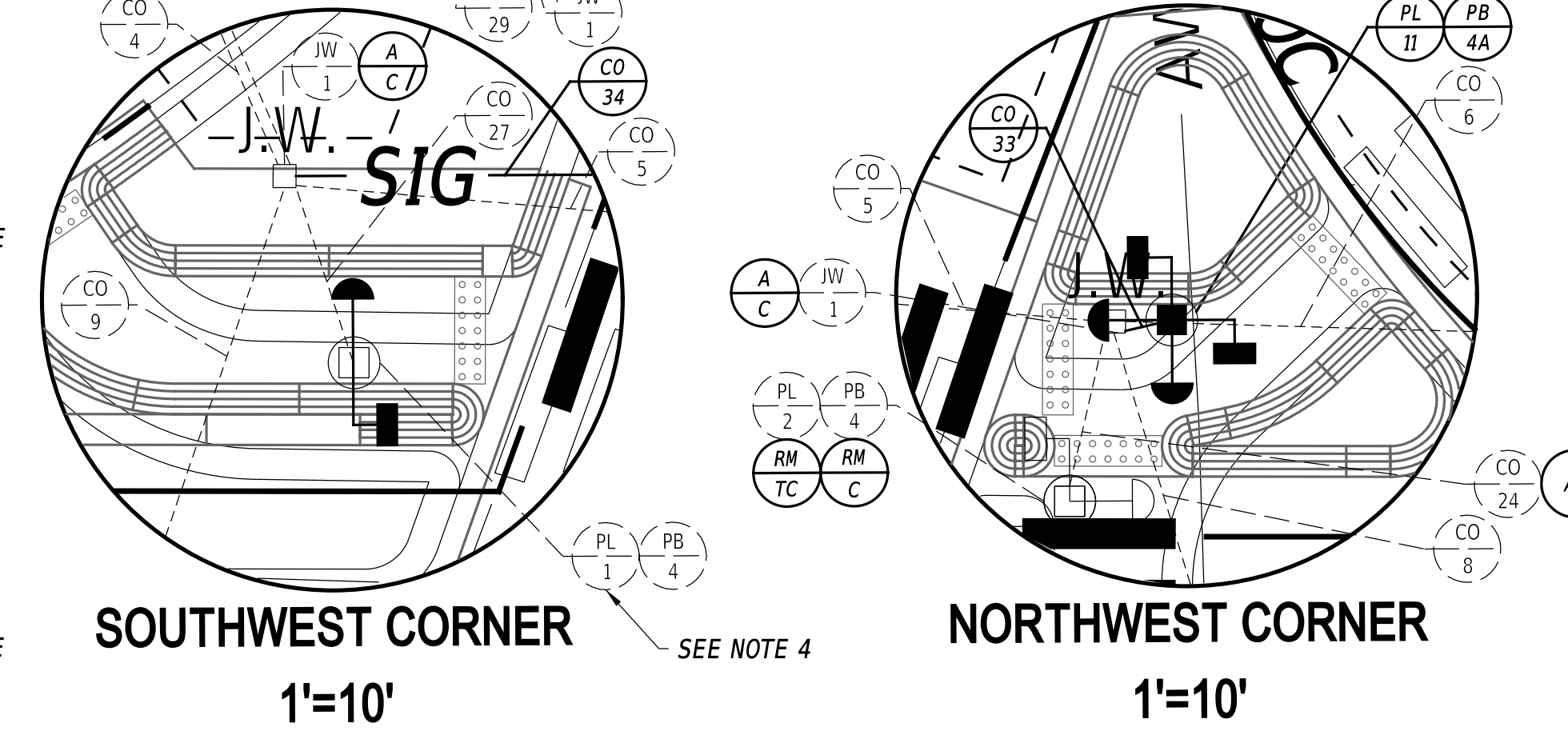
- ALL SIGNAL EQUIPMENT REMOVED FROM A PROJECT IS TO BE RETURNED TO DELDOT TRAFFIC - DOVER, DELAWARE.
- ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY, AND/OR THE APPROPRIATE UTILITY 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.

Pennoni PREPARED BY PENNONI ASSOCIATES INC.
 Tereza Lord 5/16/2024
 THIS SEAL APPLIES TO ALL SHEETS BEARING THE "PAI" SECTION DESIGNATION.
CONCURRENCE FOR INSTALLATION
 Tereza Lord 5/16/2024
 CHIEF TRAFFIC ENGINEER



CONTINUED SIGNAL NOTES:

- PROPOSED POLE BASES SUPPORTING POLES WITH PEDESTRIAN PUSHBUTTONS SHOULD BE CONSTRUCTED IMMEDIATELY ADJACENT TO THE FLAT (50:1 OR FLATTER) LANDING AREA OF THE PEDESTRIAN CONNECTION WHEN POSSIBLE. WHERE THERE ARE PHYSICAL CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON ADJACENT TO A LEVEL ALL-WEATHER SURFACE, THE SURFACE SHOULD BE AS LEVEL AS FEASIBLE. THE PEDESTRIAN PUSHBUTTON SHOULD BE INSTALLED AT A HEIGHT OF 38 TO 46 INCHES ABOVE THE ADJOINING SIDEWALK, AND SHOULD BE LOCATED SUCH THAT THE MAXIMUM REACH DOES NOT EXCEED 10 INCHES FROM ADJOINING SIDEWALK TO THE FACE OF THE PUSHBUTTON. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 7 FEET OR MORE THAN 10 FEET ABOVE THE SIDEWALK.
- TRAFFIC CONTRACTOR SHALL REMOVE THE EXISTING PEDESTRIAN PUSHBUTTON AND PEDESTRIAN SIGNAL HEAD FOR PEDESTRIAN SIGNAL POLE #1. TRAFFIC CONTRACTOR SHALL INSTALL NEW PEDESTRIAN PUSHBUTTON, DE MUTCD SIGN R10-3e (L), AND PEDESTRIAN SIGNAL HEAD IN ALIGNMENT WITH THE CROSSWALK. TRAFFIC CONTRACTOR SHALL PLUG REMAINING HOLES. SHIFT SIGNAL HEADS OVER LANES PER DESIGN MANUAL.
- CONTRACTOR SHALL INSTALL R10-3e-DE COUNTDOWN PEDESTRIAN SIGNS FOR PEDESTRIAN SIGNAL POLE #11 WITH ARROWS ALIGNED ON EACH STATION BUTTON PER DESIGN.
- THE CONTRACTOR SHALL CONTACT DELDOT'S ERLSP VENDOR AT 971-221-2690 IMMEDIATELY UPON NOTICE TO PROCEED AND A MINIMUM OF 10 BUSINESS DAYS PRIOR TO COMMENCING ANY WORK ON THE CONTRACT TO COORDINATE THE INCLUSION OF THE SOUTHBOUND BBRT LANE AS IT IMPACTS THE EXISTING RED LIGHT RUNNING CAMERAS (SITES 2135 THROUGH 2139).
- CONTRACTOR SHALL INSTALL PROPOSED ACCESSIBLE PEDESTRIAN SIGNAL (APS) WITH ATTACHED COUNTDOWN PEDESTRIAN SIGNS WITH ARROWS ON PEDESTAL POLES #1 AND #2. PROPOSED APS PUSH BUTTON AND ASSOCIATED COUNTDOWN SIGNS SHALL BE INSTALLED PERPENDICULAR TO THE CROSSWALK IT CONTROLS.
 PL I: R10-3E (L)
 PL II: R10-3E-DE3



POLE SCHEDULE			
POLE #	POLE TYPE	HEIGHT	MATERIAL
X1	PEDESTAL	10 FT	ALUMINUM
X2*	PEDESTAL	10 FT	ALUMINUM
X3	PEDESTAL	10 FT	ALUMINUM
X4	PEDESTAL	10 FT	ALUMINUM
X5	PEDESTAL	10 FT	ALUMINUM
X6	PEDESTAL	10 FT	ALUMINUM
X7	STRAIN	28 FT	STEEL
X8	STRAIN	28 FT	STEEL
X9	PEDESTAL	10 FT	ALUMINUM
X10	STRAIN	28 FT	STEEL
11	PEDESTAL	10 FT	ALUMINUM

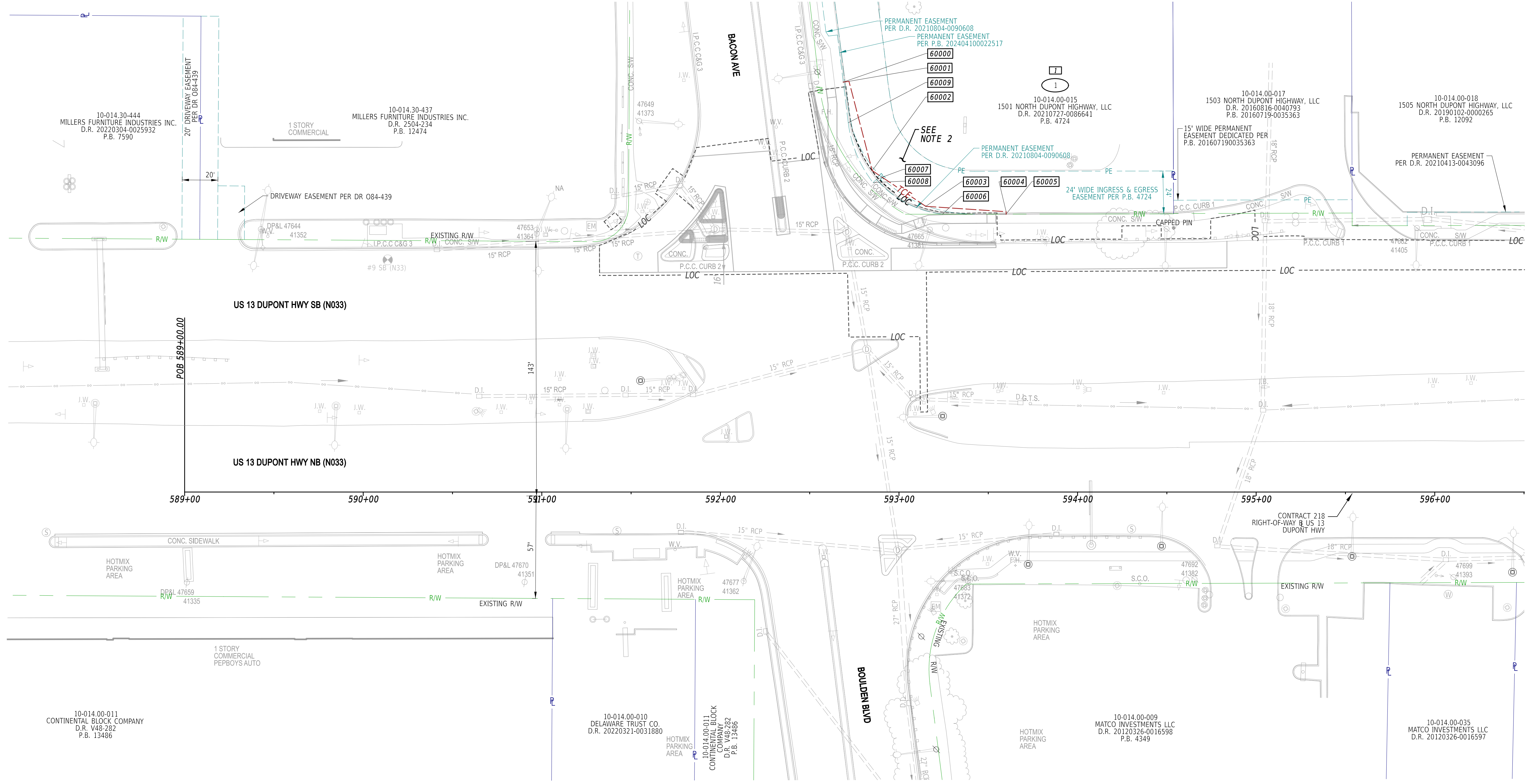
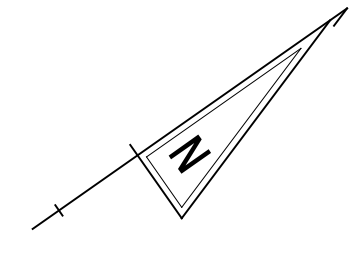
X - DENOTES EXISTING
 * EXISTING TO BE REMOVED

US 13 SOUTHBOUND BBRT LANE

CONTRACT	PERMIT NO.	N625	SECTION
T202201102	DESIGNED BY:	C. COURTNEY	PAI
COUNTY	CHECKED BY:	T. LORD	SHEET NO.
NEW CASTLE			53

SCALE 30 60 90 FEET

LAST REVISED: 9/11/2018
 05-AUG-2025
 09:15
 U:\Accounts\DEDOT\DEDOT2025 - AGR 2006\Fask 2 US 13 SB BBRT Lane\DESIGN\CTD\GMS\G05_Hessler Blvd.dgn



PENNONI ASSOCIATES, INC. SHEETS: 589-100-00
 DATE PLOTTED: 23 JUL 2024 @ 09:55
 USER NAME: SUSSERS OFFICE LOCATION: SOFFICE/AMNES
 MICROSTATION WORKSPACE: SWORKSPACES



NOTES:
 1. EXISTING RIGHT OF WAY IS SHOWN FOR INFORMATIONAL PURPOSE ONLY. THE RIGHT OF WAY INFORMATION SHOWN IN THE PLANS WAS CREATED BY PLOTTING THE EXISTING RIGHT OF WAY CENTERLINE FROM HISTORICAL PLANS.

- CONTRACT NO. 209A
- CONTRACT NO. 218
- CONTRACT NO. 300
- CONTRACT NO. 1317
- CONTRACT NO. 65-11-003
- CONTRACT NO. 85-061-19
- CONTRACT NO. 89-041-01
- CONTRACT NO. T200800708

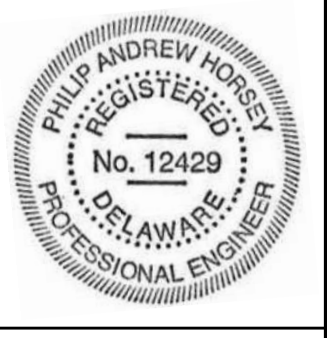
THE SECONDARY ROADWAY ALIGNMENTS AND CORNER CUT DATA WERE DERIVED USING THE AFOREMENTIONED HISTORICAL PLANS AND THE METES AND BOUNDS DESCRIPTION RECORDED ON THE CURRENT PROPERTY DEEDS.

2. CONTRACTOR IS RESTRICTED FROM ENCRDACHING UPON DRIVE THROUGH DURING BUSINESS OPERATIONAL HOURS FOR PARCEL 10-014-00-015.


REVISION
 PREPARED BY
 PENNONI ASSOCIATES, INC.



 7/23/2024

THIS SEAL APPLIES TO THE FOLLOWING SHEETS
 CHANGED UNDER REVISION #1:
 54, 56


 SEAL

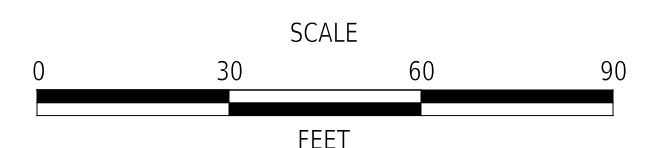
ORIGINAL SIGNATURE DATE: 1/23/2024
 RECOMMENDED AS TO PROCESS AS PER R/W REVISION #1


 07/23/2024
 GROUP ENGINEER, ROW ENGINEERING DATE

THE FOLLOWING PARCELS WERE CHANGED UNDER REVISION #1:
 1

ADDENDA / REVISIONS

TCE REDUCED TO ACCOUNT FOR R/W DEDICATION ON PARCEL 1; J. LOVELL, P. HORSEY 7/23/2024

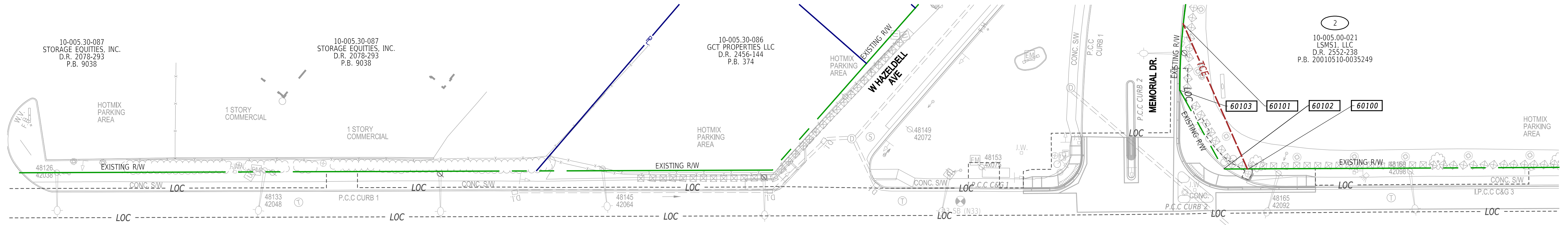
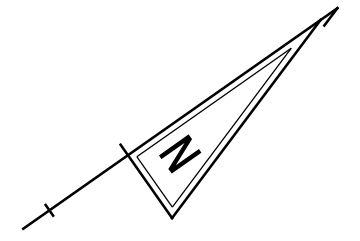


US 13 SOUTHBOUND BBRT LANE

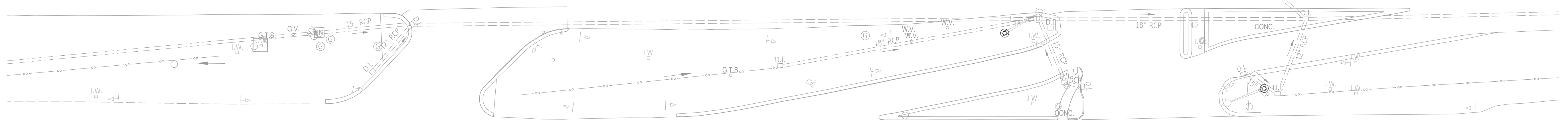
CONTRACT	BRIDGE NO.	N/A
T202201102	DESIGNED BY:	J. BRIONES
COUNTY	CHECKED BY:	O. GREEN
NEW CASTLE		

RIGHT-OF-WAY PLAN

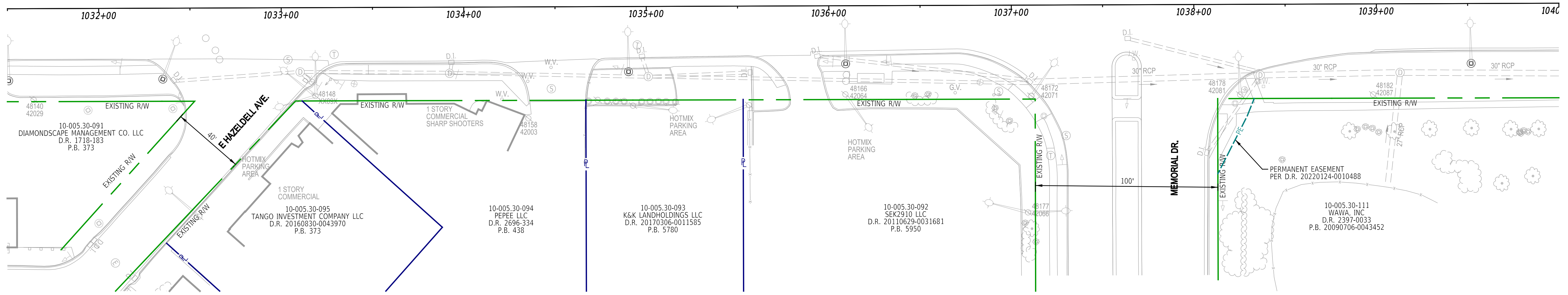
RW-01
SECTION
PAI
SHEET NO.
54



US 13 DUPONT HWY SB (N033)

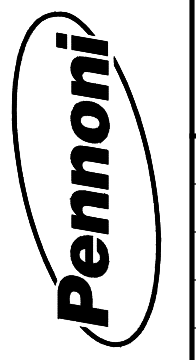


US 13 DUPONT HWY NB (N033)

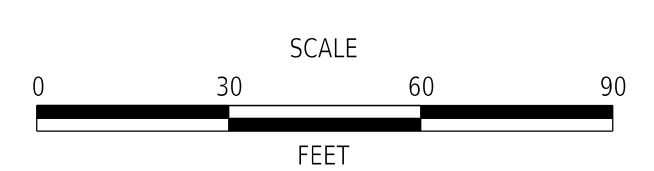


PENNONI ASSOCIATES, INC. SHEETS: 1437
 REVISED: 24 JUN 2024 @ 14:37
 DATE PLOTTED: 24 JUN 2024 @ 14:37
 USER NAME: SUSERS OFFICE LOCATION: SOFICEMANES
 MICROSTATION VERSION: SUPERVISOR
 MICROSTATION WORKSPACE: SWORKSPACES

- NOTES:**
- EXISTING RIGHT OF WAY SHOWN IS BASED ON INFORMATION FROM CONTRACT T201606121 - PAVEMENT & REHABILITATION NORTH XXI, FY-2016 US 13 (DUPONT PARKWAY).



ADDENDA / REVISIONS	



US 13 SOUTHBOUND BBRt LANE

CONTRACT	BRIDGE NO.	N/A
T202201102	DESIGNED BY:	J. BRIONES
COUNTY	CHECKED BY:	O. GREEN
NEW CASTLE		

RIGHT-OF-WAY PLAN

RW-11
SECTION
PAI
SHEET NO.
55

PENNONI ASSOCIATES, INC. PENNONI ASSOCIATES, INC.
 PROJECT: PROJECT: 20240701-001
 DRAWING: DRAWING: 20240701-001-01
 DATE PLOTTED: 7/23/2024 @ 10:02:15 AM
 USER NAME: ggreen OFFICE LOCATION: Newark, Delaware



ASSESSMENT NUMBER		OWNERSHIP OF RECORD						TYPE OF ACQUISITION	TITLE SOURCE	PARCEL AREA (ACRES)	PAGE NUMBER
10-014.00-015		(1) 1501 NORTH DUPONT HIGHWAY, LLC						TCE	INSTR. 20210727-0086641	C - 1.557	46
PT. NO.	ALIGN. NO.	STATION	OFFSET*	NORTH	EAST	BEARING	DISTANCE	CHORD BEARING	CHORD LENGTH	ARC LENGTH	RADIUS**
60000	10000	592+68.75	-229.598	615739.4830	609640.3030	N 28°00'21" E	3.273				
60001	10000	592+72.00	-230.000	615742.3724	609641.8397	S 69°30'43" E	51.662				
60002	10000	592+85.00	-180.000	615724.2899	609690.2342	N 68°45'09" E	36.056				
60003	10000	593+15.00	-160.000	615737.3564	609723.8387	N 38°52'35" E	45.100				
60004	10000	593+60.00	-157.000	615772.4667	609752.1453	S 54°56'16" E	1.347				
60005	10000	593+60.00	-155.653	615771.6929	609753.2480	S 34°58'32" W	35.690				
60006	10000	593+24.31	-155.599	615742.4464	609732.7894			S 62°49'38" W	41.814	42.786	57.750
60007	10000	592+87.31	-175.078	615723.3527	609695.5898	S 9°16'25" E	2.556				
60008	10000	592+85.48	-173.292	615720.8304	609696.0017			N 77°28'19" W	36.294	36.739	68.000
60009	10000	592+71.57	-206.814	615728.7031	609660.5722	N 61°59'39" W	22.958				
60000	10000	592+68.75	-229.598	615739.4830	609640.3030						

FIGURE 50001 AREA = 564.55 SQ. FT. (0.013 ACRES).
 DEED RECORD OF ACQUISITION:
 REMARKS: 24' INGRESS & EGRESS EASEMENT PER PB 4724 276.71 SQFT.

ASSESSMENT NUMBER		OWNERSHIP OF RECORD						TYPE OF ACQUISITION	TITLE SOURCE	PARCEL AREA (ACRES)	PAGE NUMBER
10-005.00-021		(2) LSMS1						TCE	D.R. 2552.238	C - 5.000	47
PT. NO.	ALIGN. NO.	STATION	OFFSET*	NORTH	EAST	BEARING	DISTANCE	CHORD BEARING	CHORD LENGTH	ARC LENGTH	RADIUS**
60100	10001	1038+30.00	-148.000	622845.4167	614673.9574	S 36°07'32" W	13.235				
60102	10001	1038+16.77	-148.293	622834.7282	614666.1545	N 83°55'16" W	48.397				
60103	10001	1037+82.99	-191.588	622839.9571	614617.0354			N 51°58'37" W	36.467	36.462	376.283
60101	10001	1037+85.00	-228.000	622862.4203	614588.3078	S 78°46'17" E	87.321				
60100	10001	1038+30.00	-148.000	622845.4167	614673.9574						

FIGURE 50002 AREA = 1011.46 SQ. FT. (0.023 ACRES).
 DEED RECORD OF ACQUISITION:

LEGEND			
R/W	AREA OCCUPIED BY EXISTING R/W	R/W/E	RIGHT-OF-WAY BY PE
P/E	PERMANENT EASEMENT	*	OFFSET IS LEFT OF BASELINE
TCE	TEMPORARY CONSTRUCTION EASEMENT	**	CURVE TURNS TO THE LEFT

ADDENDA / REVISIONS		NOT TO SCALE	US 13 SOUTHBOUND BBRT LANE	CONTRACT	BRIDGE NO.	N/A	RIGHT-OF-WAY DATA SHEET	SECTION
☐ TCE REDUCED TO ACCOUNT FOR R/W DEDICATION ON PARCEL 1; J. LOVELL, P. HORSEY 7/23/2024				T202201102	DESIGNED BY:	O. GREEN		PAI
		COUNTY	CHECKED BY:	Z. BRANDER	SHEET NO.			
		NEW CASTLE			56			