

THE STATE OF DELAWARE DEPARTMENT OF TRANSPORTATION

U.S. CUSTOMARY
UNITS



CONSTRUCTION PLANS FOR:

9TH STREET ENHANCEMENTS, PHASE II

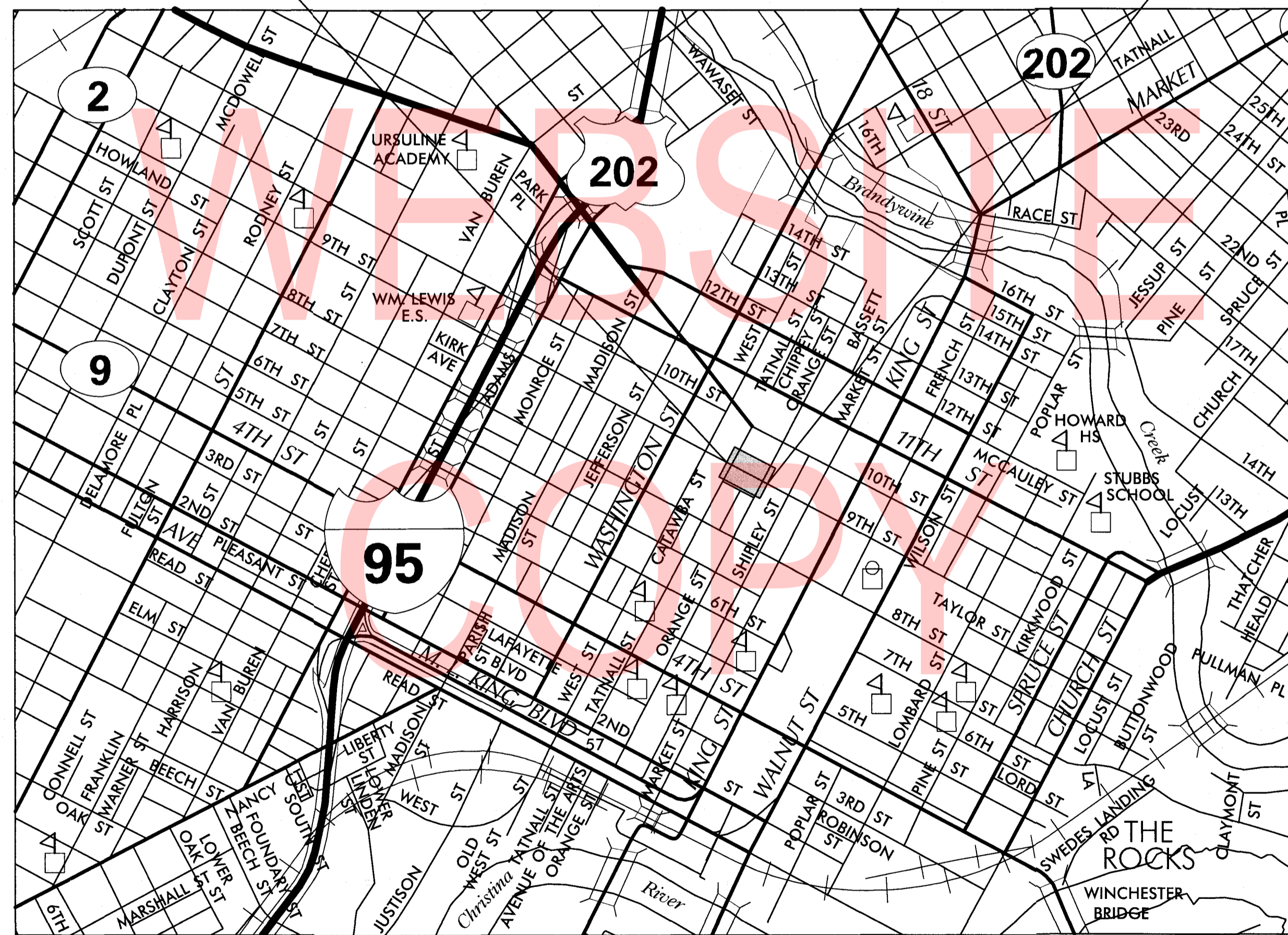
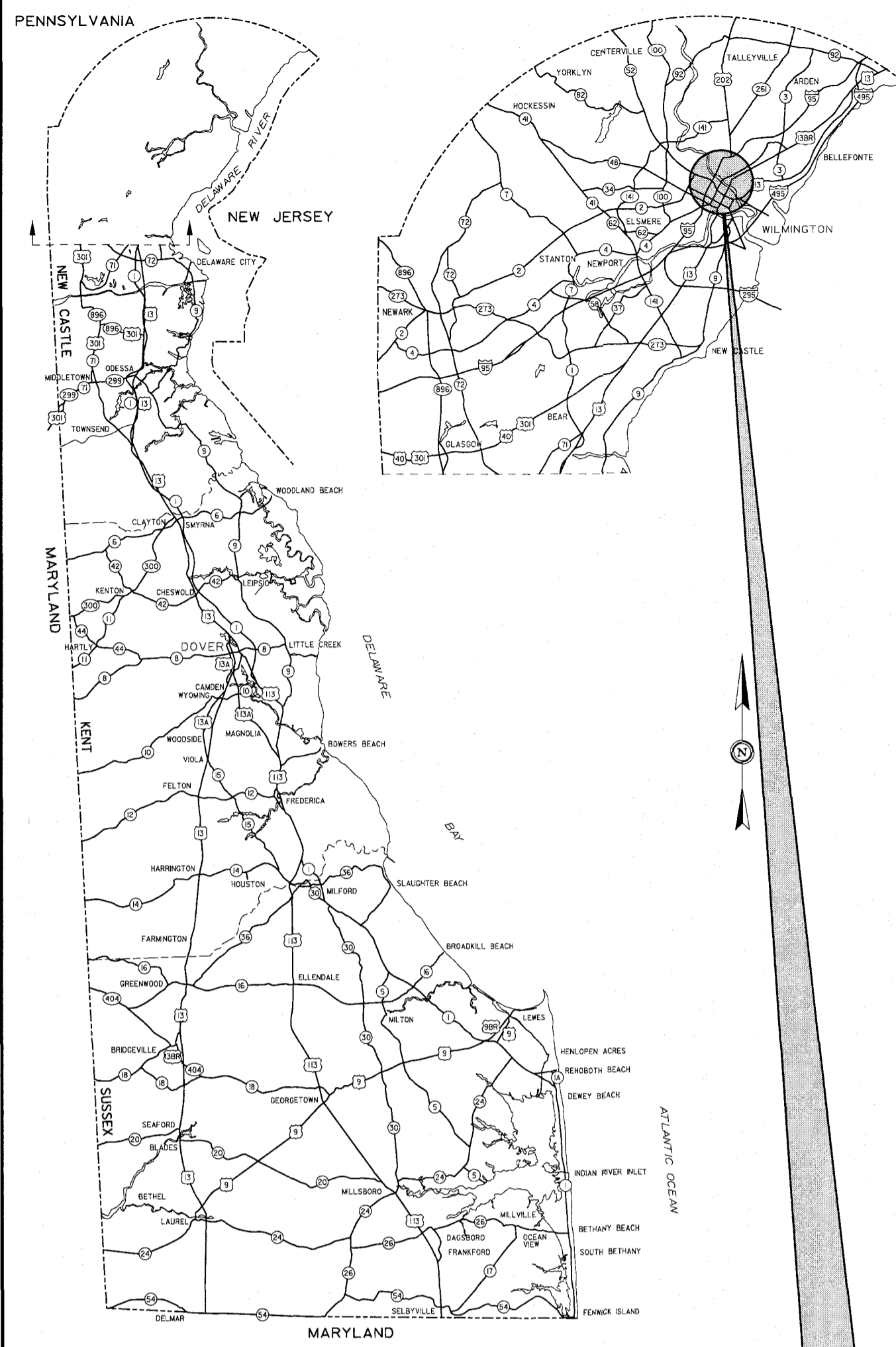
CONTRACT NUMBER: T201620013
FEDERAL AID PROJECT NUMBER: ETE A-2015(55)

COUNTY: NEW CASTLE M.R. #: NA

BEGIN CONTRACT
NO. T201620013
STATION 10 + 17.09

END CONTRACT
NO. T201620013
STATION 13 + 93.28

MRD *: N/A		ROAD NAME: 9TH STREET	
FUNCTIONAL CLASS: LOCAL		D.H.V. PROJECTED: N/A	
TYPE OF CONSTRUCTION: ENHANCEMENT		DESIGN SPEED: N/A	
A.A.D.T. CURRENT: N/A		YEAR: N/A	
A.A.D.T. PROJECTED: N/A		YEAR: N/A	
		TRUCKS: N/A	
		DIRECTION OF DISTRIBUTION: N/A	
APPROVED DESIGN EXCEPTIONS			
DESIGN PARAMETER	REQUIRED	PROVIDED	DATE
ADDENDA & REVISIONS			
DESCRIPTION	NAME & DATE		
ASSOCIATED CONTRACTS			
CONTRACT NO.	CONTRACT NAME		
T200920001	9TH STREET STREETScape ENHANCEMENTS		



PROJECT LOCATION
NOT TO SCALE

APPROVED FOR ADVERTISEMENT

D.A. By 12/12/19
DIRECTOR OF PLANNING DATE

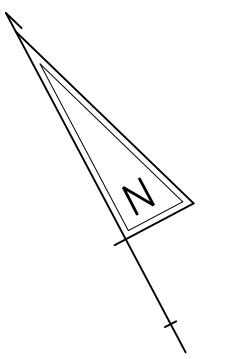
PREPARED BY **McCORMICK TAYLOR**

[Signature] 12/6/2019 DATE

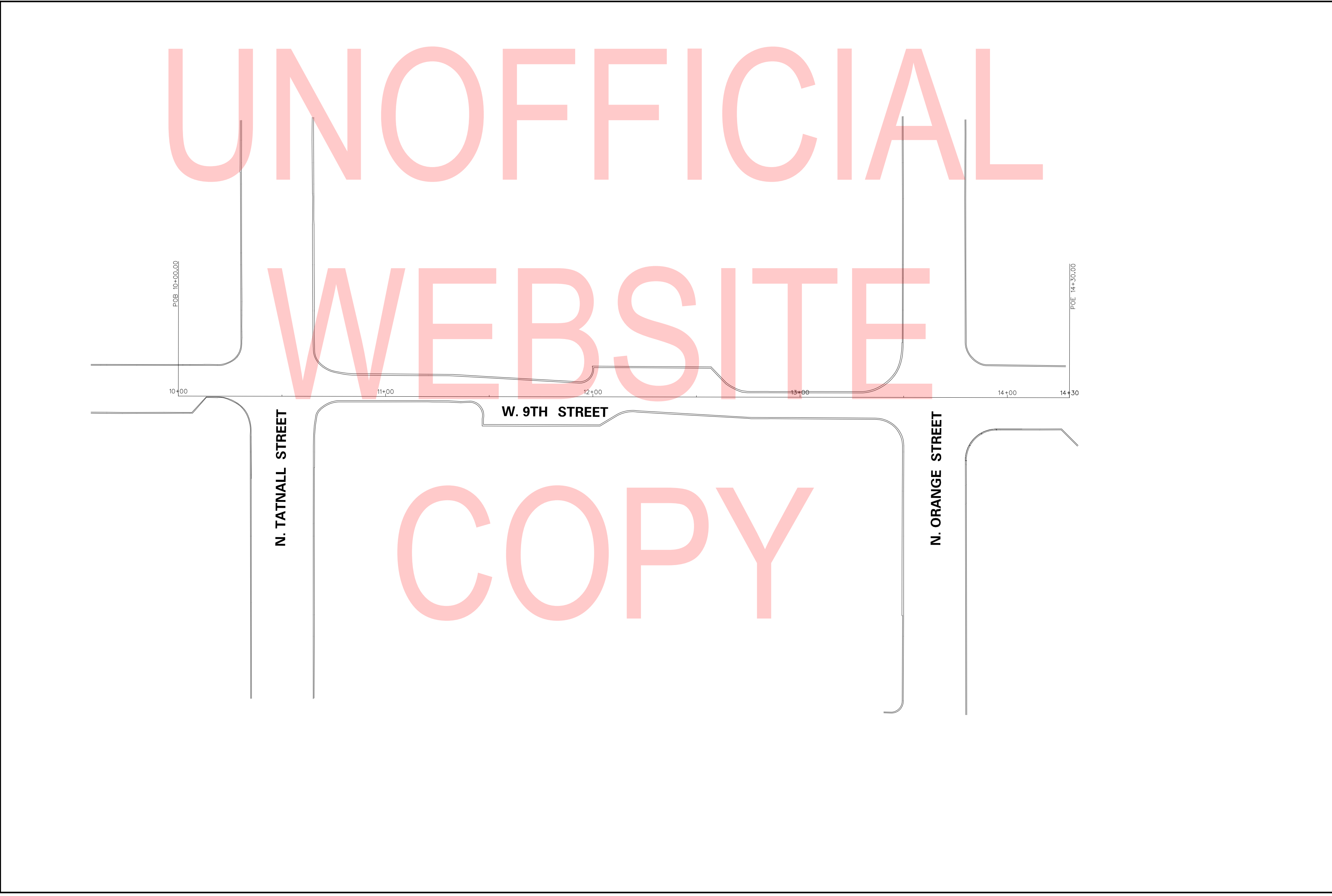
THIS SEAL APPLIES TO ALL SHEETS BEARING THE "McT" SECTION DESIGNATION.

SEAL: DENIS HEHMAN, JR., LICENSE No. 14888, DELAWARE PROFESSIONAL ENGINEER

INDEX OF SHEETS		
SECTION	SHEET DESCRIPTION	SHEET NO(S)
McT	TITLE	1
McT	INDEX OF SHEETS	2
McT	ADDENDA AND REVISIONS	3
McT	LEGEND	4
McT	NOTES	5
McT	TYPICAL SECTIONS	6
McT	HORIZONTAL AND VERTICAL CONTROL	7
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8



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McCormick Taylor

ADDENDA / REVISIONS

NOT TO SCALE

**9TH STREET ENHANCEMENTS,
PHASE II**

CONTRACT	BRIDGE NO.	NA
T201620013	DESIGNED BY: F. ATIQUE	
COUNTY	CHECKED BY: S. RUKOWICZ	
NEW CASTLE		

INDEX OF SHEETS

IS-01
SECTION
McT
SHEET NO.
2

ADDENDUM PREPARED BY
 DELDOT - TRANSPORTATION SOLUTIONS
 XXXXXXXXXXXXXXXXXXXXXXX

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

DATE

SEAL

REVISION PREPARED BY



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

DATE

SEAL

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ADDENDA / REVISIONS

NOT TO SCALE

9TH STREET ENHANCEMENTS,
 PHASE II

CONTRACT	T201620013
COUNTY	NEW CASTLE

BRIDGE NO.	N/A
DESIGNED BY:	F. ATIQUE
CHECKED BY:	S. RUKOWICZ

ADDENDA AND
 REVISIONS

SECTION	McT
SHEET NO.	3

GENERAL NOTES

- THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE DELAWARE DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS", DATED AUGUST 2016 AND THE DELAWARE DEPARTMENT OF TRANSPORTATION "STANDARD CONSTRUCTION DETAILS", DATED 2017, INCLUDING ALL REVISIONS UP TO THE DATE OF ADVERTISEMENT.
- ELECTRONIC PROJECT FILES THAT WILL BE MADE AVAILABLE TO THE AWARDED CONTRACTOR, INCLUDE:

()	NONE
()	ASCII DATA FILES WITH COORDINATES AND ELEVATIONS FOR PROPOSED POINTS AS SELECTED BY THE ENGINEER.
(X)	ALL PLAN SHEETS, IN PDF FORMAT.
()	EXISTING DIGITAL TERRAIN MODEL, IN .DTM FILE FORMAT, COMPATIBLE WITH SOFTWARE CURRENTLY USED BY DELDOT.
()	PROPOSED DIGITAL TERRAIN MODEL, IN .DTM FILE FORMAT, COMPATIBLE WITH SOFTWARE CURRENTLY USED BY DELDOT.
()	DESIGN FILE, IN .DGN FILE FORMAT, CONTAINING ONLY THE PROPOSED 3D TRIANGLES OF THE PROPOSED DIGITAL TERRAIN MODEL (DTM).

NOTE: THE DOCUMENT ENTITLED "RELEASE FOR DELIVERY OF DOCUMENTS IN ELECTRONIC FORM TO A CONTRACTOR" MUST BE SIGNED BY ALL PARTIES PRIOR TO THE DELIVERY OF ANY ELECTRONIC PROJECT FILES.

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

(X)	CROSS SECTIONS
()	RIGHT-OF-WAY PLANS (WILL BE MADE AVAILABLE TO THE AWARDED CONTRACTOR)

PROJECT NOTES

SECTION 100

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

SECTION 200

- ITEMS TO BE REMOVED UNDER ITEM 211000 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
 - STONE CURB
 - PARKING METERS
 - METAL COVER
 - SIGN POLE
 - POLE BASE

SECTION 600

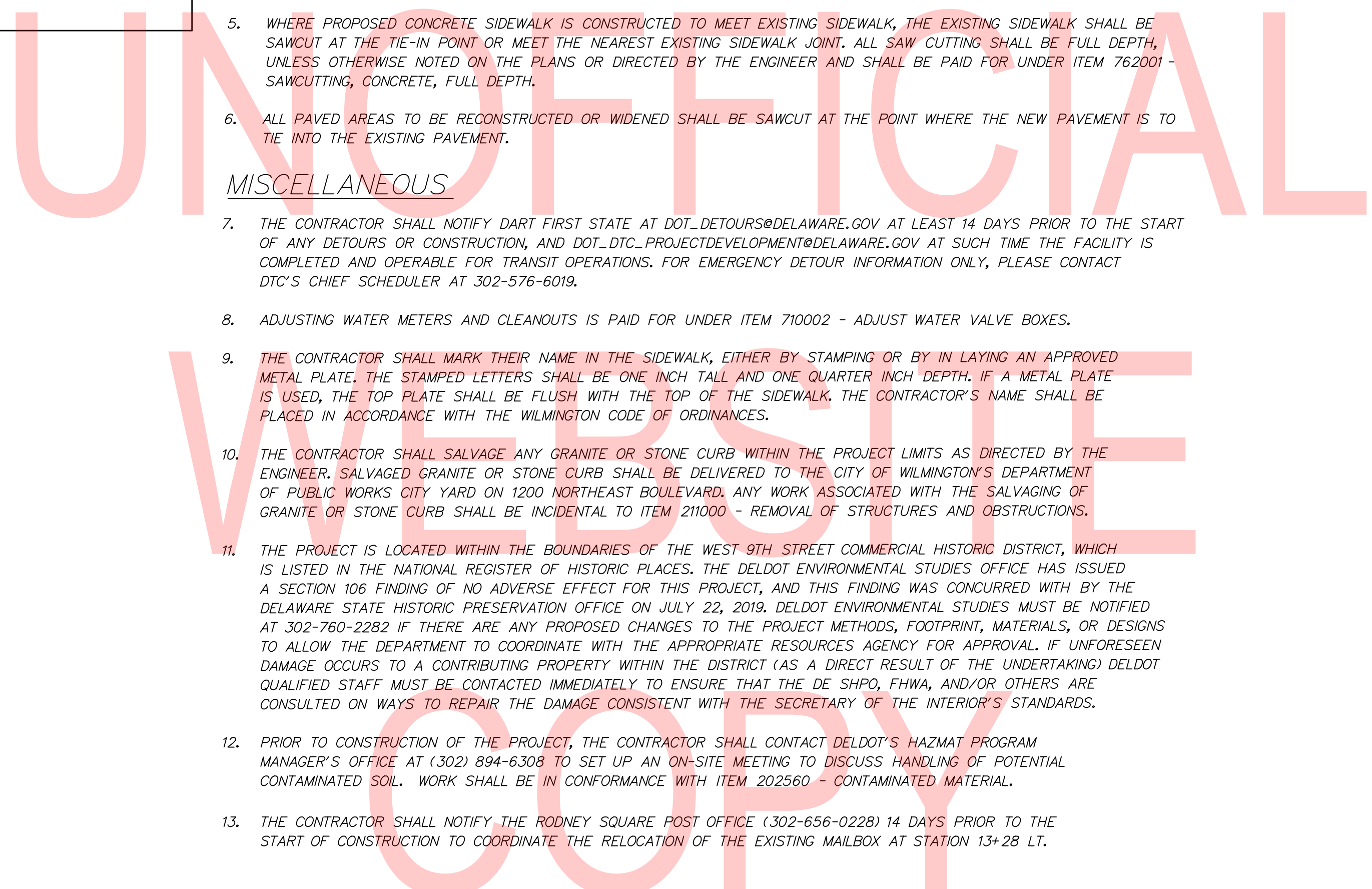
- STATION AND ELEVATION DATA GIVEN FOR DRAINAGE STRUCTURES ARE TO BE APPLIED TO THE CENTER OF THE GRATE AT THE GUTTER FLOW LINE FOR INLETS AND TO THE CENTER OF THE STRUCTURE FOR JUNCTION BOXES AND MANHOLES.

SECTION 700

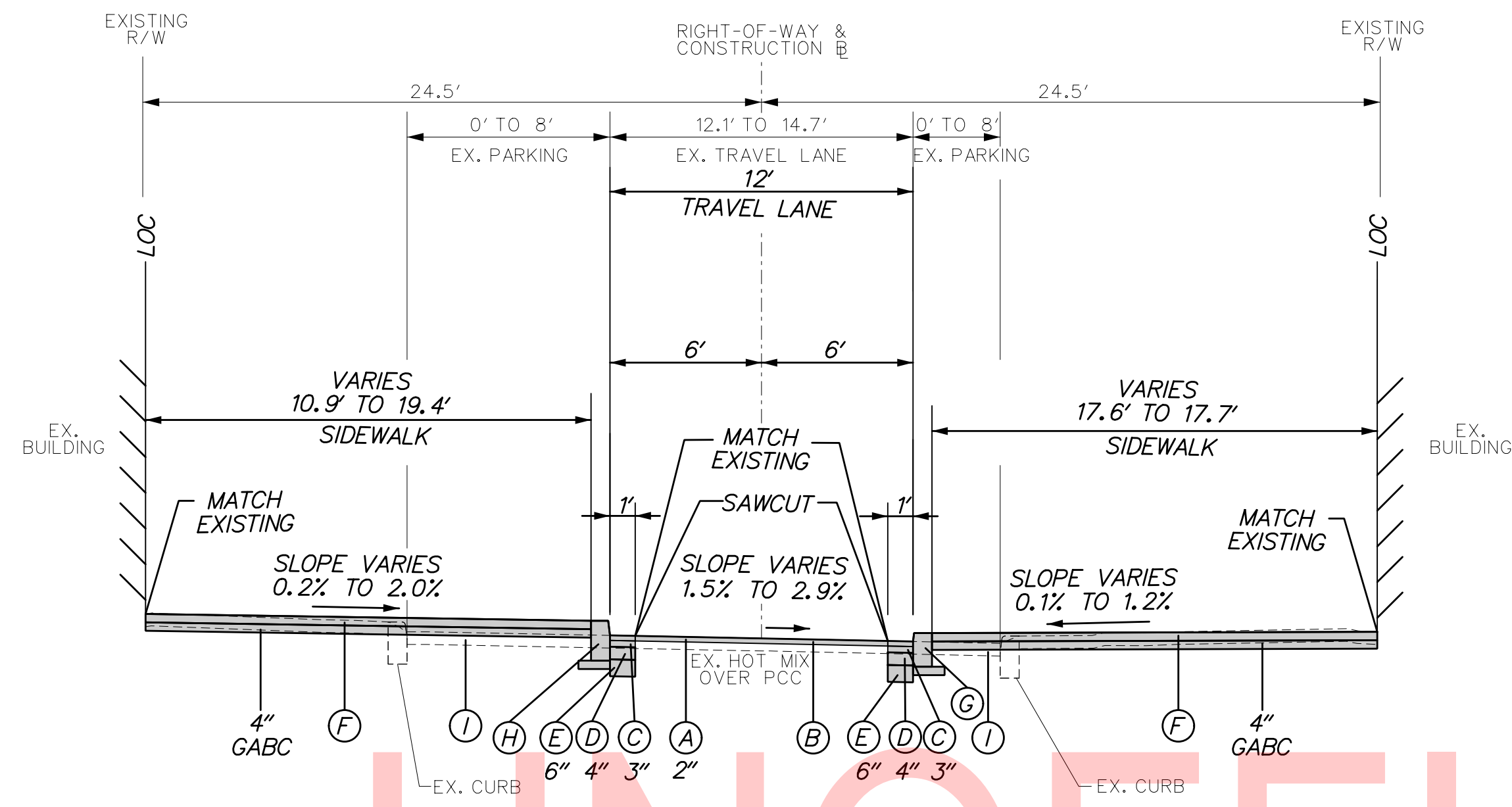
- IN AREAS WHERE PROPOSED CURB MEETS EXISTING CURB AND THE TWO CURB TYPES ARE NOT SIMILAR, THE PROPOSED CURB SHALL BE TRANSITIONED IN 10 LINEAR FEET, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. PAYMENT FOR THIS WORK, INCLUDING SAW CUTTING EXISTING CURB SHALL BE INCIDENTAL TO THE PROPOSED CURB ITEM.
- WHERE PROPOSED CONCRETE SIDEWALK IS CONSTRUCTED TO MEET EXISTING SIDEWALK, THE EXISTING SIDEWALK SHALL BE SAWCUT AT THE TIE-IN POINT OR MEET THE NEAREST EXISTING SIDEWALK JOINT. ALL SAW CUTTING SHALL BE FULL DEPTH, UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE ENGINEER AND SHALL BE PAID FOR UNDER ITEM 762001 - SAWCUTTING, CONCRETE, FULL DEPTH.
- ALL PAVED AREAS TO BE RECONSTRUCTED OR WIDENED SHALL BE SAWCUT AT THE POINT WHERE THE NEW PAVEMENT IS TO TIE INTO THE EXISTING PAVEMENT.

MISCELLANEOUS

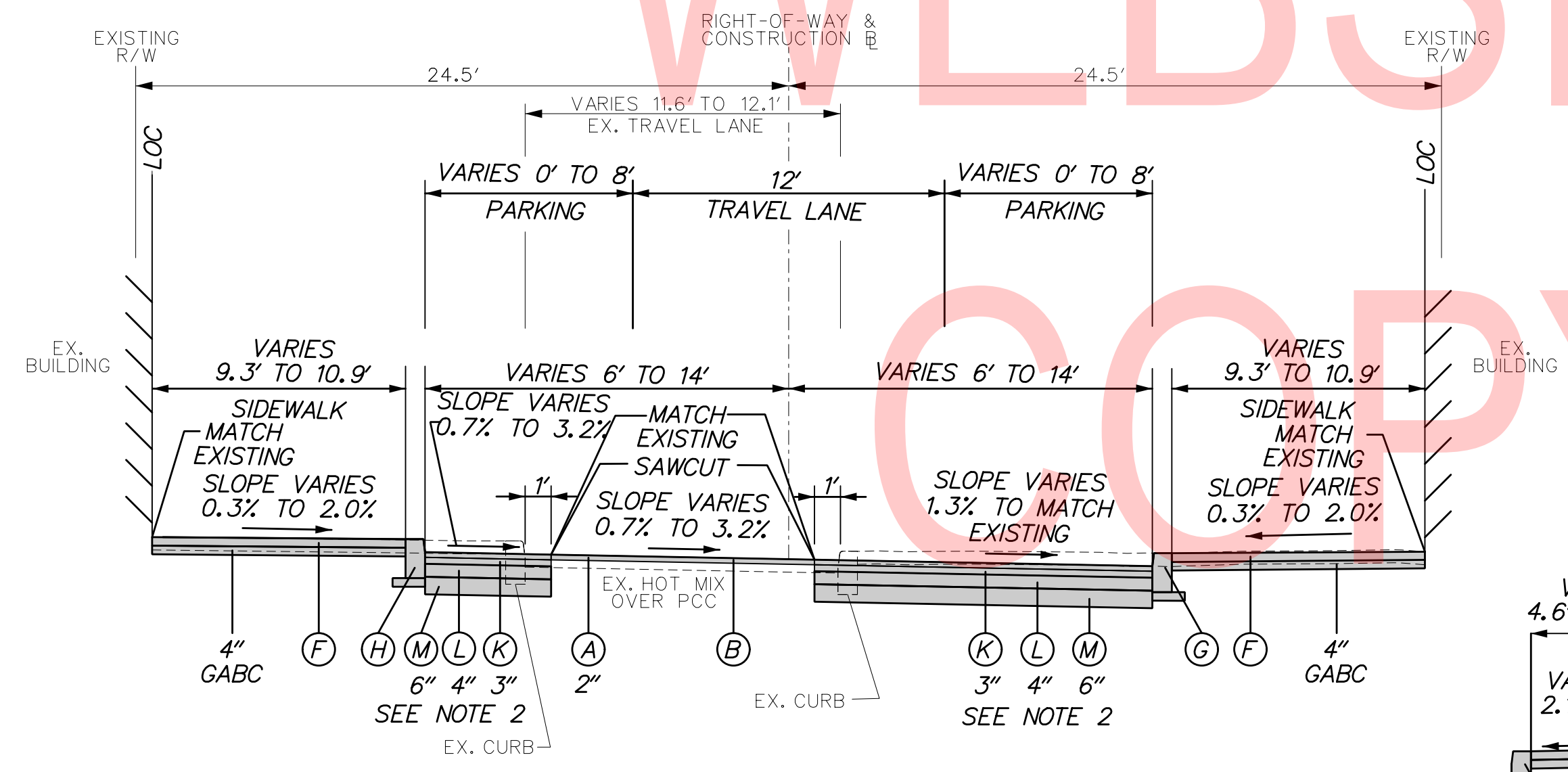
- THE CONTRACTOR SHALL NOTIFY DART FIRST STATE AT DOT_DETOURS@DELAWARE.GOV AT LEAST 14 DAYS PRIOR TO THE START OF ANY DETOURS OR CONSTRUCTION, AND DOT_DTC_PROJECTDEVELOPMENT@DELAWARE.GOV AT SUCH TIME THE FACILITY IS COMPLETED AND OPERABLE FOR TRANSIT OPERATIONS. FOR EMERGENCY DETOUR INFORMATION ONLY, PLEASE CONTACT DTC'S CHIEF SCHEDULER AT 302-576-6019.
- ADJUSTING WATER METERS AND CLEANOUTS IS PAID FOR UNDER ITEM 710002 - ADJUST WATER VALVE BOXES.
- THE CONTRACTOR SHALL MARK THEIR NAME IN THE SIDEWALK, EITHER BY STAMPING OR BY IN LAYING AN APPROVED METAL PLATE. THE STAMPED LETTERS SHALL BE ONE INCH TALL AND ONE QUARTER INCH DEPTH. IF A METAL PLATE IS USED, THE TOP PLATE SHALL BE FLUSH WITH THE TOP OF THE SIDEWALK. THE CONTRACTOR'S NAME SHALL BE PLACED IN ACCORDANCE WITH THE WILMINGTON CODE OF ORDINANCES.
- THE CONTRACTOR SHALL SALVAGE ANY GRANITE OR STONE CURB WITHIN THE PROJECT LIMITS AS DIRECTED BY THE ENGINEER. SALVAGED GRANITE OR STONE CURB SHALL BE DELIVERED TO THE CITY OF WILMINGTON'S DEPARTMENT OF PUBLIC WORKS CITY YARD ON 1200 NORTHEAST BOULEVARD. ANY WORK ASSOCIATED WITH THE SALVAGING OF GRANITE OR STONE CURB SHALL BE INCIDENTAL TO ITEM 211000 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS.
- THE PROJECT IS LOCATED WITHIN THE BOUNDARIES OF THE WEST 9TH STREET COMMERCIAL HISTORIC DISTRICT, WHICH IS LISTED IN THE NATIONAL REGISTER OF HISTORIC PLACES. THE DELDOT ENVIRONMENTAL STUDIES OFFICE HAS ISSUED A SECTION 106 FINDING OF NO ADVERSE EFFECT FOR THIS PROJECT, AND THIS FINDING WAS CONCURRED WITH BY THE DELAWARE STATE HISTORIC PRESERVATION OFFICE ON JULY 22, 2019. DELDOT ENVIRONMENTAL STUDIES MUST BE NOTIFIED AT 302-760-2282 IF THERE ARE ANY PROPOSED CHANGES TO THE PROJECT METHODS, FOOTPRINT, MATERIALS, OR DESIGNS TO ALLOW THE DEPARTMENT TO COORDINATE WITH THE APPROPRIATE RESOURCES AGENCY FOR APPROVAL. IF UNFORESEEN DAMAGE OCCURS TO A CONTRIBUTING PROPERTY WITHIN THE DISTRICT (AS A DIRECT RESULT OF THE UNDERTAKING) DELDOT QUALIFIED STAFF MUST BE CONTACTED IMMEDIATELY TO ENSURE THAT THE DE SHPO, FHWA, AND/OR OTHERS ARE CONSULTED ON WAYS TO REPAIR THE DAMAGE CONSISTENT WITH THE SECRETARY OF THE INTERIOR'S STANDARDS.
- PRIOR TO CONSTRUCTION OF THE PROJECT, THE CONTRACTOR SHALL CONTACT DELDOT'S HAZMAT PROGRAM MANAGER'S OFFICE AT (302) 894-6308 TO SET UP AN ON-SITE MEETING TO DISCUSS HANDLING OF POTENTIAL CONTAMINATED SOIL. WORK SHALL BE IN CONFORMANCE WITH ITEM 202560 - CONTAMINATED MATERIAL.
- THE CONTRACTOR SHALL NOTIFY THE RODNEY SQUARE POST OFFICE (302-656-0228) 14 DAYS PRIOR TO THE START OF CONSTRUCTION TO COORDINATE THE RELOCATION OF THE EXISTING MAILBOX AT STATION 13+28 LT.



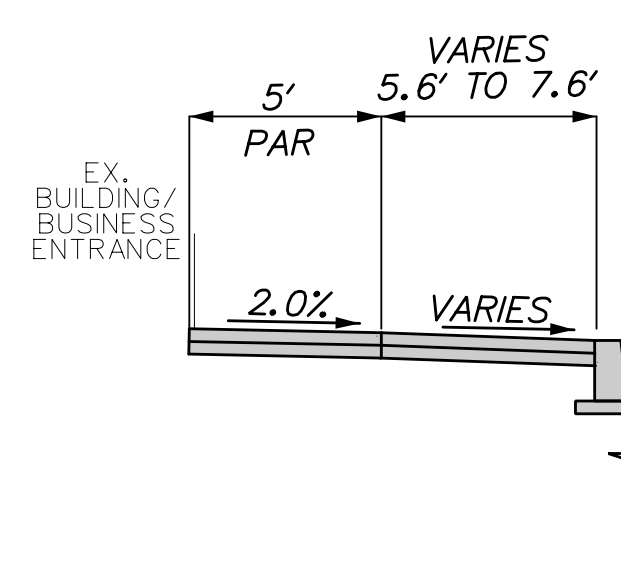
ADDENDA / REVISIONS	NOT TO SCALE	9TH STREET ENHANCEMENTS, PHASE II	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: small;">CONTRACT</td> <td style="font-size: small;">BRIDGE NO.</td> <td style="text-align: center;">N/A</td> </tr> <tr> <td style="font-size: small;">T201620013</td> <td colspan="2" style="font-size: small;">DESIGNED BY: F. ATIQUE</td> </tr> <tr> <td style="font-size: small;">COUNTY</td> <td colspan="2" style="font-size: small;">CHECKED BY: S. RUKOWICZ</td> </tr> <tr> <td style="font-size: small;">NEW CASTLE</td> <td colspan="2"></td> </tr> </table>	CONTRACT	BRIDGE NO.	N/A	T201620013	DESIGNED BY: F. ATIQUE		COUNTY	CHECKED BY: S. RUKOWICZ		NEW CASTLE			NOTES	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">PN-01</td> </tr> <tr> <td style="font-size: x-small;">SECTION</td> </tr> <tr> <td style="text-align: center;">McT</td> </tr> <tr> <td style="font-size: x-small;">SHEET NO.</td> </tr> <tr> <td style="text-align: center;">5</td> </tr> </table>	PN-01	SECTION	McT	SHEET NO.	5
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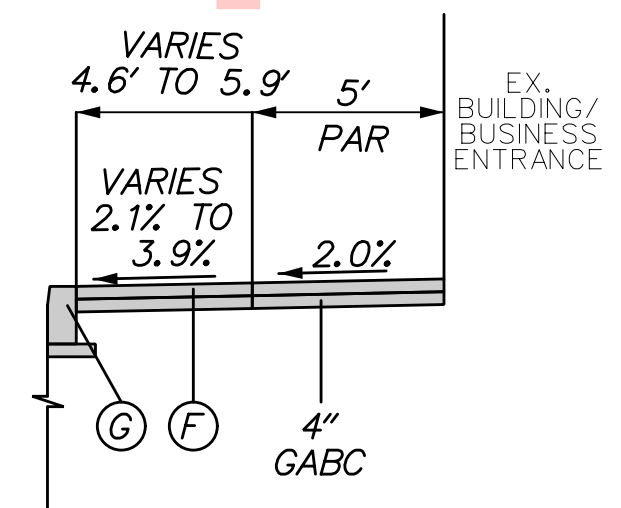
WEST 9TH STREET
STA 11+67.27 TO STA 12+63.31



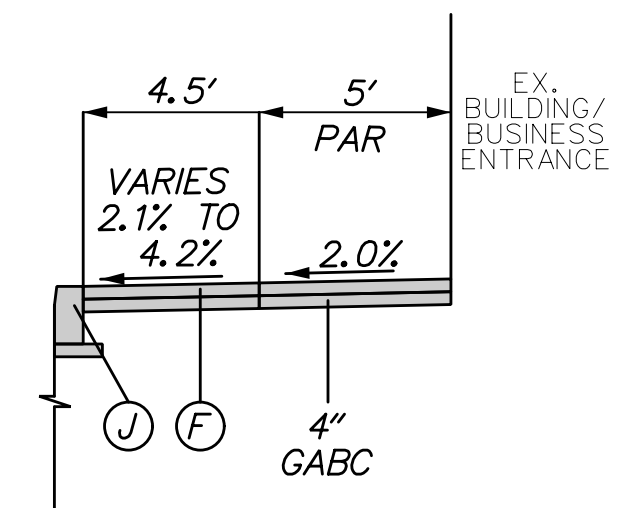
WEST 9TH STREET
STA 10+59.00 TO STA 11+67.27
STA 12+63.31 TO STA 13+51.88



STA 13+07.48 TO STA 13+12.33



STA 11+43.07 TO STA 11+60.00



STA 12+75.75 TO STA 12+80.00

LEGEND

- (A) ITEM 401007 - SUPERPAVE TYPE C, PG 76-22 (CARBONATE STONE)
- (B) ITEM 760010 - PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT
- (C) ITEM 401030 - SUPERPAVE TYPE B, PG 64-22, PATCHING
- (D) ITEM 401031 - SUPERPAVE TYPE BCBC, PG 64-22, PATCHING
- (E) ITEM 301002 - GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING
- (F) ITEM 705001 - PCC SIDEWALK, 4"
- (G) ITEM 701011 - P.C.C. CURB, TYPE 1-4
- (H) ITEM 701013 - P.C.C. CURB, TYPE 1-8 (REVEAL VARIES - SEE CONSTRUCTION PLANS)
- (I) ITEM 209006 - BORROW, TYPE F
- (J) ITEM 701012 - P.C.C. CURB, TYPE 1-6
- (K) ITEM 401016 - SUPERPAVE TYPE B, PG 76-22
- (L) ITEM 401021 - SUPERPAVE TYPE BCBC, PG 64-22
- (M) ITEM 301001 - GRADED AGGREGATE BASE COURSE, TYPE B

MATERIAL	LIFT THICKNESS	
	MINIMUM	MAXIMUM
SUPERPAVE, TYPE 'C'	1.25"	2"
SUPERPAVE, TYPE 'B'	2.25"	4"
BITUMINOUS CONCRETE BASE COURSE	3"	6"
GRADED AGGREGATE BASE COURSE	4"	8"

NOTES:

1. SEE CONSTRUCTION FOR EXISTING PAVEMENT MATERIALS AND DEPTHS.
2. SEE P.C.C. CURB PAVEMENT PATCH DETAIL ON DT-01 FOR LIMITS OF PAVEMENT PATCH ITEMS.

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McCormick Taylor

ADDENDA / REVISIONS

NOT TO SCALE

9TH STREET ENHANCEMENTS, PHASE II

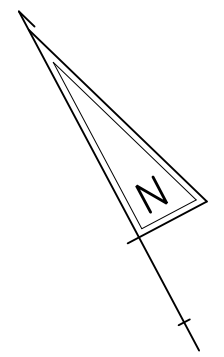
CONTRACT	BRIDGE NO.	NA
T201620013	DESIGNED BY:	F. ATIQUE
COUNTY	CHECKED BY:	S. RUKOWICZ
NEW CASTLE		

TYPICAL SECTIONS

TS-01
SECTION
McT
SHEET NO.
6

CONSTRUCTION ALIGNMENT CONTROL				
POINT	STATION	OFFSET	NORTHING	EASTING
10000	10+00.00	0.00	635820.8985	618442.9258
10001	14+30.00	0.00	635619.0934	618822.6293

HORIZONTAL / VERTICAL CONTROL DATA					
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
4	10+29.27	17.90	635791.3557	618460.3701	98.95
21	13+46.31	21.01	635639.8150	618738.8713	91.35



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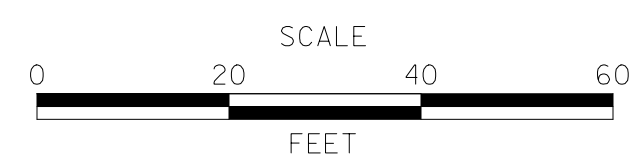
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DATUM REFERENCE:

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

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

ADDENDA / REVISIONS



**9TH STREET ENHANCEMENTS,
PHASE II**

CONTRACT	BRIDGE NO.	NA
T201620013	DESIGNED BY: F. ATIQUE	
COUNTY	CHECKED BY: S. RUKOWICZ	
NEW CASTLE		

**HORIZONTAL AND
VERTICAL CONTROL**

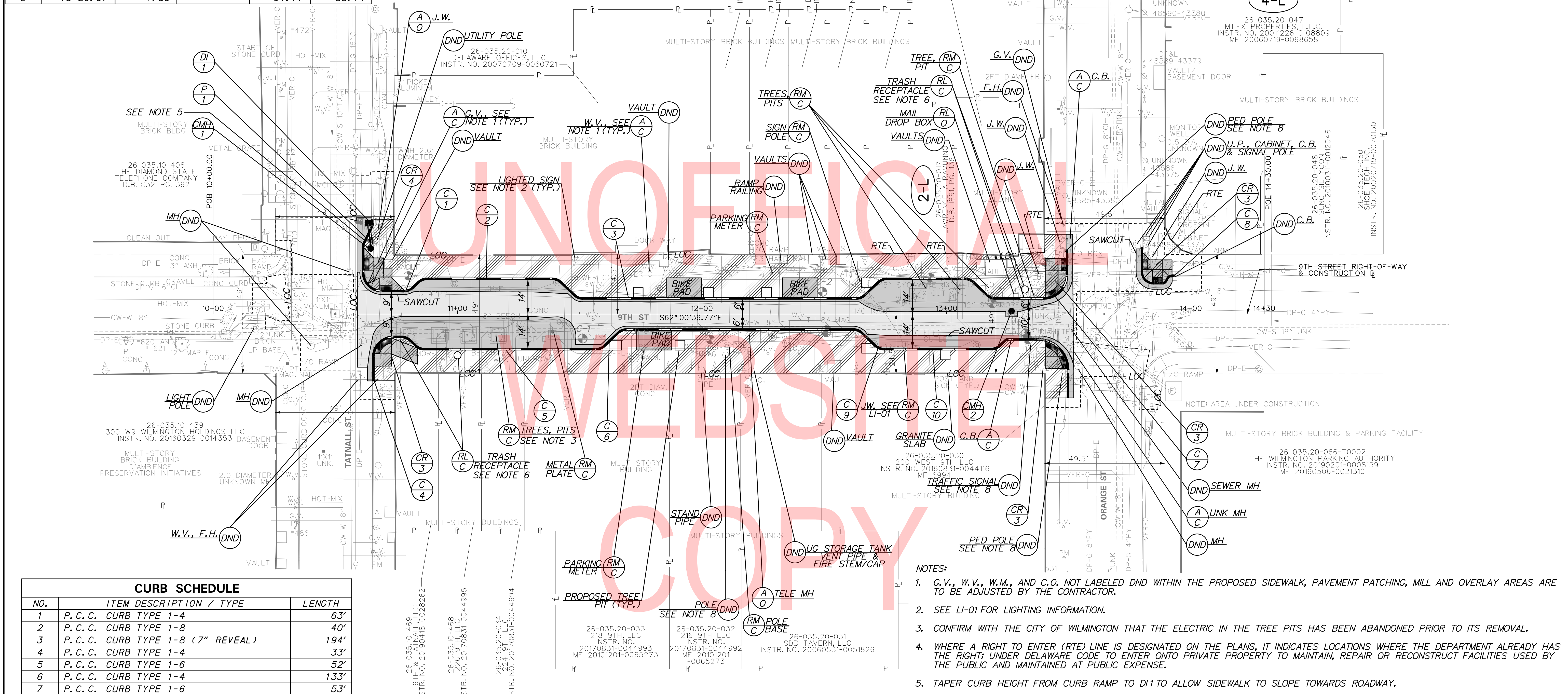
HVC-01
SECTION
McT
SHEET NO.
7

DRAINAGE INLET SCHEDULE						
NO.	STATION	OFFSET	BOX SIZE	GRATE	T. G. EL.	INV. EL.
1	10+64.77	-37.15	34" x 24"	1	98.97	96.73

DRAINAGE PIPE SCHEDULE						
NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INT. EL.	DIS. EL.
1	12" RCP	IV	11'	0.0200	96.77	96.55

CONVERT TO MANHOLE SCHEDULE						
NO.	STATION	OFFSET	TYPE/SIZE	T. G. EL.	INV. EL.	
1	10+64.52	-26.80	-	99.35	96.38	
2	13+26.67	-1.30	-	91.77	88.71	

ROADWAY CORE SCHEDULE				
NO.	STATION	OFFSET	DESCRIPTION	
C-1	11+51.15	10.03'	3-1/4" HMA OVER 8" PCC OVER 4"+ FILL	
C-2	12+49.29	-9.11'	3-1/4" HMA OVER 7-1/2" PCC OVER 4"+ FILL	



CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
1	P. C. C. CURB TYPE 1-4	63'
2	P. C. C. CURB TYPE 1-8	40'
3	P. C. C. CURB TYPE 1-8 (7" REVEAL)	194'
4	P. C. C. CURB TYPE 1-4	33'
5	P. C. C. CURB TYPE 1-6	52'
6	P. C. C. CURB TYPE 1-4	133'
7	P. C. C. CURB TYPE 1-6	53'
8	P. C. C. CURB TYPE 1-6	29'
9	P. C. C. CURB TYPE 1-6	23'
10	P. C. C. CURB TYPE 1-4	86'

UTILITY TEST HOLE SCHEDULE						
NO.	UTILITY	STATION	OFFSET	GRND EL.	COVER	O. D. & MATERIAL
TH-1	DP-E	10+59.49	-38.65	99.16	1.77	24" RCP DUCT-ELECTRIC
TH-1A	DP-E	10+69.49	-38.43	99.18	1.80	WEST EDGE OF RPC ELECTRIC
TH-2	ATT-C	10+79.92	-15.59	99.12	1.57	4" PL. CONDUIT-TELEPHONE
TH-3	ATT-C	12+93.43	-14.85	93.44	2.08	4" PL. CONDUIT-TELEPHONE
TH-4	DP-G	13+18.77	-4.28	92.61	2.96	4" PL. GAS
TH-5	DP-E	13+40.40	-21.24	92.52	2.16	4" STL. CONDUIT-ELECTRIC
TH-6	DP-E	13+33.44	10.49	91.79	2.27	15" W/RPC CAP OVER TC ELECTRIC DUCT
TH-7	ATT-C	13+32.58	9.01	91.52	1.78	24" W/TC DUCT-TELEPHONE

UTILITY TEST HOLE SCHEDULE						
NO.	UTILITY	STATION	OFFSET	GRND EL.	COVER	O. D. & MATERIAL
TH-7A	ATT-C	13+32.57	7.83	91.54	1.60	NORTH EDGE OF TC TELEPHONE DUCT
TH-8	ATT-C	12+50.82	7.56	93.72	3.95	24" W/TC DUCT-TELEPHONE
TH-8A	ATT-C	12+50.83	6.55	93.74	3.98	NORTH EDGE OF TC TELEPHONE DUCT
TH-9	DP-E	12+03.52	10.47	95.04	1.88	20" W/RPC CAP OVER TC ELECTRIC DUCT

- NOTES:
- G.V., W.V., W.M., AND C.O. NOT LABELED DND WITHIN THE PROPOSED SIDEWALK, PAVEMENT PATCHING, MILL AND OVERLAY AREAS ARE TO BE ADJUSTED BY THE CONTRACTOR.
 - SEE LI-01 FOR LIGHTING INFORMATION.
 - CONFIRM WITH THE CITY OF WILMINGTON THAT THE ELECTRIC IN THE TREE PITS HAS BEEN ABANDONED PRIOR TO ITS REMOVAL.
 - WHERE A RIGHT TO ENTER (RTE) LINE IS DESIGNATED ON THE PLANS, IT INDICATES LOCATIONS WHERE THE DEPARTMENT ALREADY HAS THE RIGHT UNDER DELAWARE CODE TO ENTER ONTO PRIVATE PROPERTY TO MAINTAIN, REPAIR OR RECONSTRUCT FACILITIES USED BY THE PUBLIC AND MAINTAINED AT PUBLIC EXPENSE.
 - TAPER CURB HEIGHT FROM CURB RAMP TO DI1 TO ALLOW SIDEWALK TO SLOPE TOWARDS ROADWAY.
 - TEMPORARILY RELOCATE TRASH RECEPTACLE TO THE OPPOSITE SIDE OF 9TH STREET DURING CONSTRUCTION. PLACE IN ITS PERMANENT LOCATION AFTER SIDEWALK IS CONSTRUCTED. COST FOR THIS WORK SHALL BE PAID UNDER ITEM 201000 - CLEARING AND GRUBBING.
 - COORDINATE WITH PROPERTY OWNER OF MARKET PLACE, 200 W. 9TH ST. FOR REMOVAL OF TWO (2) PLANTERS.
 - SEE DETAIL ON DT-01 FOR CONSTRUCTION AROUND EXISTING POLE.

ADDENDA / REVISIONS

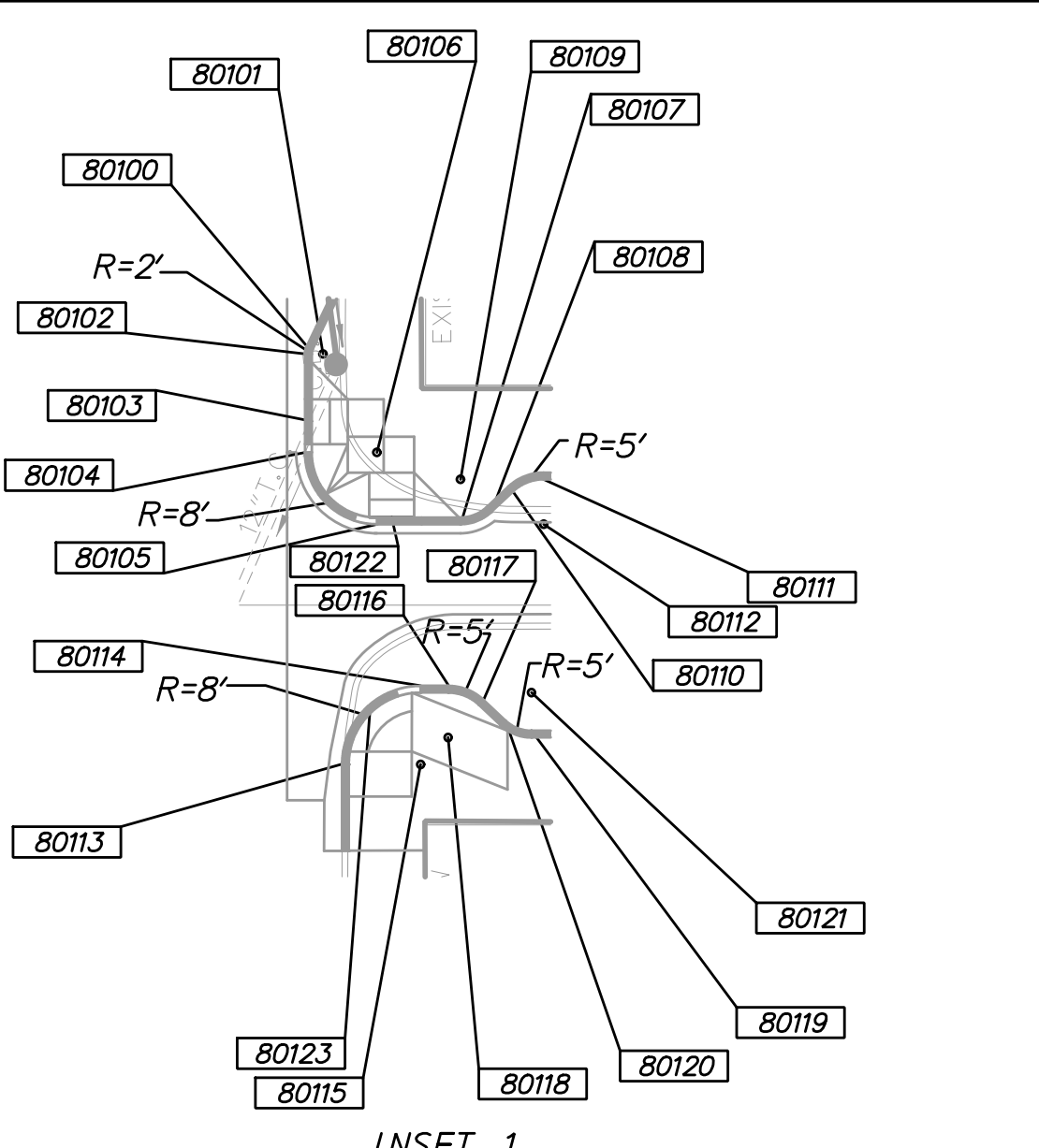
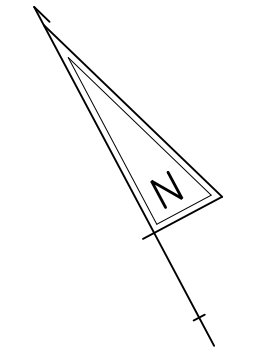


9TH STREET ENHANCEMENTS, PHASE II

CONTRACT	BRIDGE NO.	NA
T201620013	DESIGNED BY:	F. ATIQUE
COUNTY	CHECKED BY:	S. RUKOWICZ
NEW CASTLE		

CONSTRUCTION PLAN

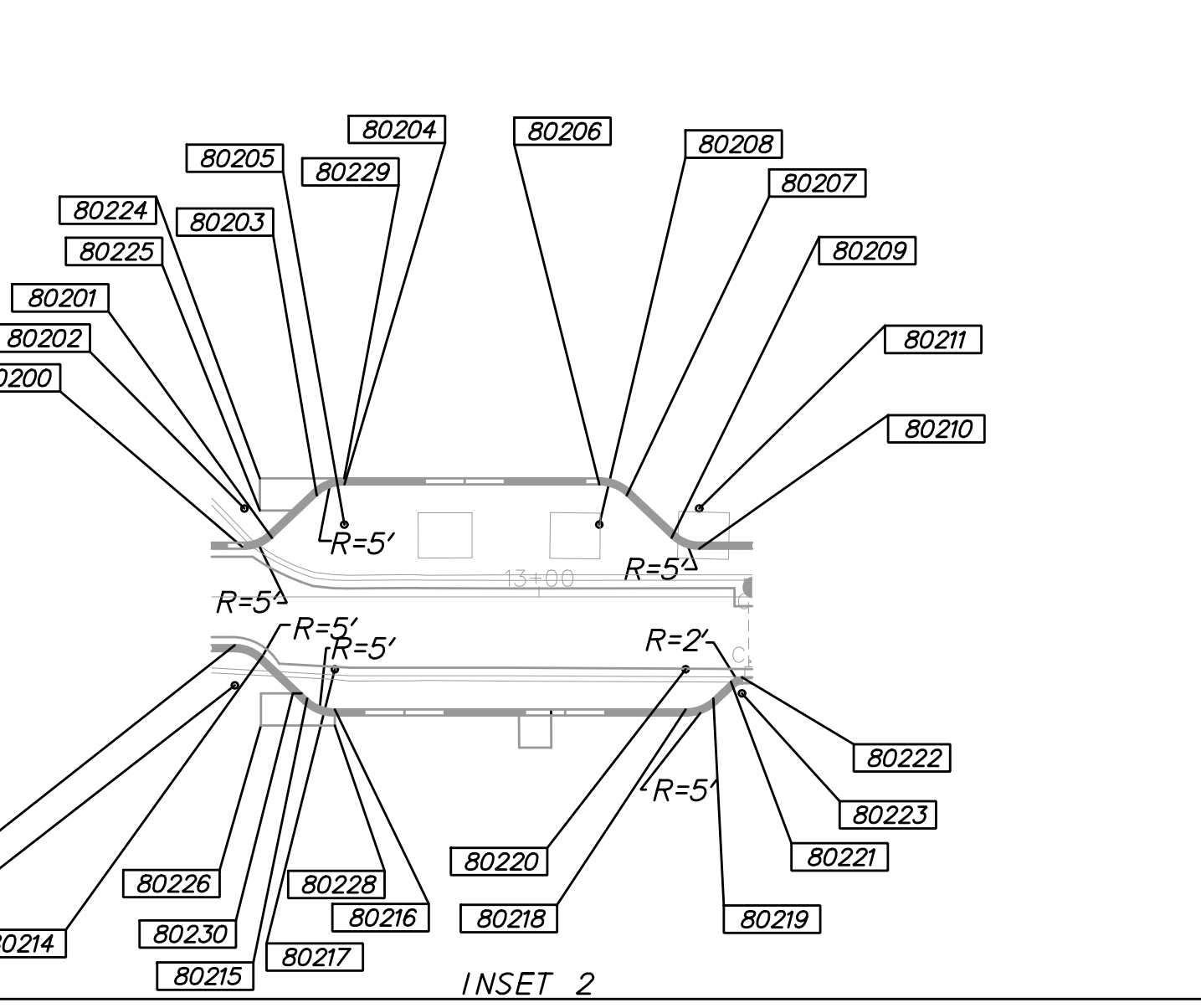
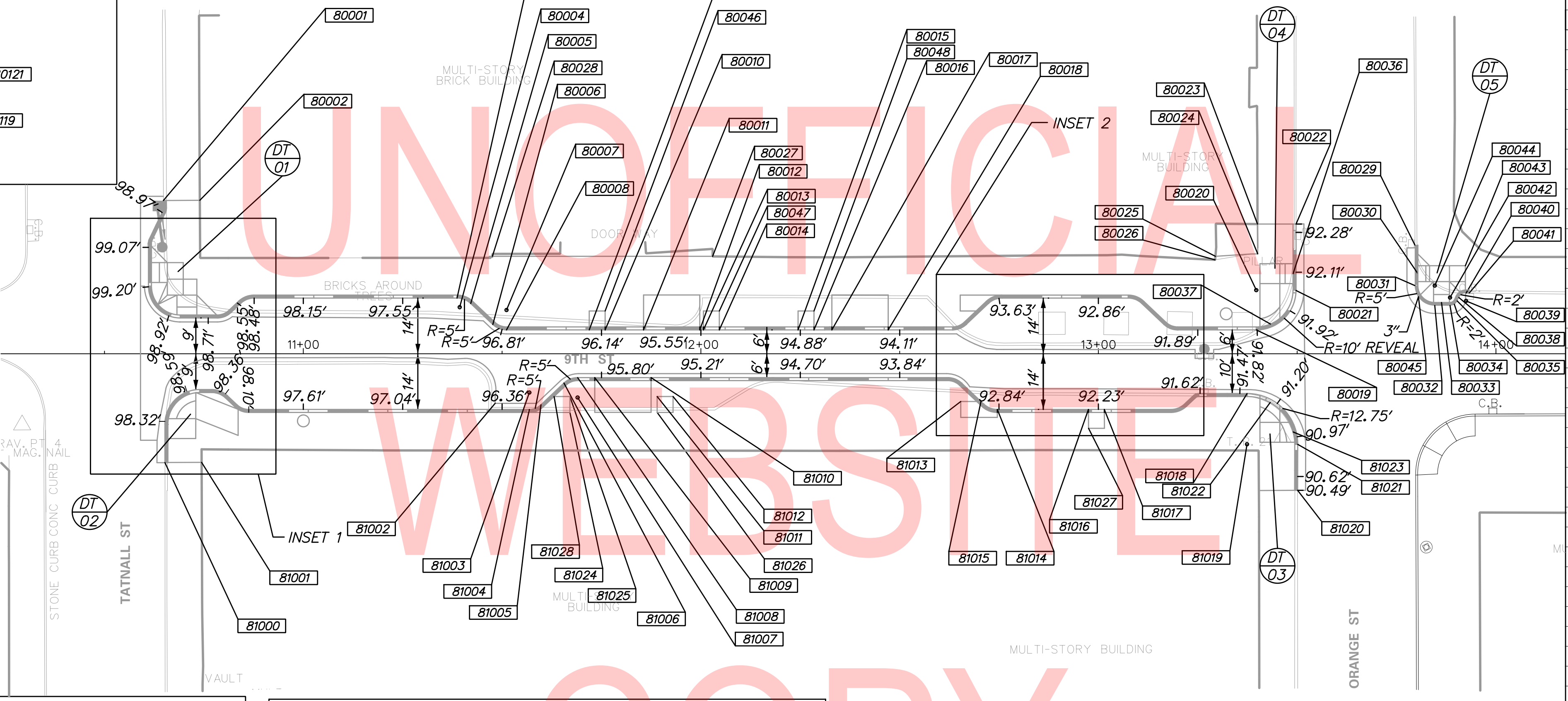
CP-01
SECTION
McT
SHEET NO.
8



COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
81014	12+74.57	14.0000	635679.6774	618678.8077
81015	12+70.46	11.9948	635683.3770	618676.1192
81016	12+97.50	14.0000	635668.9154	618699.0566
81017	13+01.50	14.0000	635667.0399	618702.5856
81018	13+37.39	10.0173	635653.7133	618736.1464
81019	13+37.39	22.7500	635642.4698	618730.1707
81020	13+50.10	34.3337	635626.2752	618735.9594
81021	13+50.14	22.7920	635636.4490	618741.4096
81022	13+43.21	12.2593	635648.9990	618740.2390
81023	13+48.98	19.6730	635639.7435	618741.8569

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80001	10+64.80	-38.5362	635824.5136	618518.2356
80002	10+73.98	-38.5880	635820.2551	618526.3585
80003	11+38.68	-14.0000	635768.1786	618571.9510
80004	11+39.33	-11.7107	635765.8502	618571.4541
80005	11+42.11	-12.6330	635765.3593	618574.3430
80006	11+47.68	-7.3670	635758.0955	618576.7893
80007	11+51.12	-11.0000	635759.6914	618581.5278
80008	11+51.12	-6.0000	635755.2762	618579.1812
80009	11+71.91	-6.0000	635745.5171	618597.5432
80010	11+75.93	-6.0000	635743.6323	618601.0895

COORDINATE LIST					
POINT NO.	STATION	OFFSET	NORTHING	EASTING	EASTING
80011	11+85.58	-6.0000	635739.0997	618609.6178	
80012	11+99.74	-6.0000	635732.4542	618622.1215	
80013	12+00.65	-6.0000	635732.0304	618622.9189	
80014	12+04.65	-6.0000	635730.1532	618626.4510	
80015	12+24.46	-6.0000	635720.8534	618643.9489	
80016	12+28.46	-6.0000	635718.9762	618647.4810	
80017	12+32.96	-6.0000	635716.8671	618651.4493	
80018	12+47.12	-6.0000	635710.2216	618663.9530	
80019	13+39.70	-6.0000	635666.7695	618745.7097	
80020	13+39.70	-16.0000	635675.5998	618750.4028	
80021	13+49.70	-15.9211	635670.8371	618759.1958	
80022	13+49.70	-32.6222	635685.5846	618767.0342	
80023	13+40.02	-32.6221	635690.1294	618758.4828	
80024	13+40.07	-25.0998	635683.4635	618754.9964	
80025	13+29.43	-24.5000	635687.9243	618745.3254	
80026	13+29.35	-23.6087	635687.1750	618744.8361	
80027	12+02.95	-24.4632	635747.2514	618633.6210	
80028	11+47.57	-24.4954	635773.2724	618584.7301	
80029	13+79.62	-27.3256	635666.8681	618790.9641	
80030	13+80.37	-20.1383	635660.1695	618788.2532	
80031	13+79.62	-17.1383	635657.8724	618786.1830	
80032	13+84.62	-12.1383	635651.1107	618788.2515	
80033	13+86.31	-12.8883	635650.9805	618790.0945	
80034	13+88.44	-12.1383	635649.3150	618791.6301	
80035	13+90.25	-13.2817	635649.4766	618793.7626	
80036	13+48.95	-20.1383	635674.9129	618760.5130	
80037	13+43.28	-7.4730	635666.3910	618749.5605	
80038	13+90.66	-14.1451	635650.0469	618794.5291	
80039	13+92.47	-13.2885	635648.4423	618795.7230	
80040	13+92.49	-15.2884	635650.1978	618796.6814	
80041	13+93.28	-15.2796	635649.8202	618797.3731	
80042	13+88.44	-14.1383	635651.0811	618792.5687	
80043	13+92.31	-22.1383	635656.3327	618799.7338	
80044	13+84.62	-17.1383	635655.5258	618790.5982	
80045	13+80.49	-14.3199	635654.9754	618785.6286	
80100	10+61.26	-28.8302	635817.6060	618510.5512	
80101	10+63.06	-27.9591	635815.9919	618511.7321	
80102	10+61.06	-27.9591	635816.9305	618509.9660	
80103	10+61.81	-20.4591	635809.9558	618507.1085	
80104	10+61.06	-17.0000	635807.2533	618504.8228	
80105	10+69.06	-9.0000	635796.4346	618508.1326	
80106	10+69.06	-17.0000	635803.4988	618511.8871	
80107	10+78.37	-9.0000	635792.0650	618516.3541	
80108	10+81.81	-10.3670	635791.6598	618520.0291	
80109	10+78.37	-14.0000	635796.4801	618518.7007	
80110	10+84.20	-12.6330	635792.5361	618523.2088	
80111	10+87.64	-14.0000	635792.1310	618526.8838	
80112	10+87.64	-9.0000	635787.7158	618524.5372	
80113	10+65.19	17.7140	635774.6623	618492.1766	
80114	10+73.94	9.0000	635778.2505	618503.9926	
80115	10+73.94	17.7500	635770.5240	618499.8861	
80116	10+77.08	9.0013	635776.7761	618506.7640	
80117	10+80.95	10.5720	635773.5736	618509.4429	
80118	10+77.00	14.7500	635771.7384	618503.9936	
80119	10+86.28	14.0001	635768.0453	618512.5400	
80120	10+83.39	12.8830	635770.3851	618510.5180	
80121	10+86.26	9.7500	635771.8044	618514.5233	
80122	10+70.72	-9.7651	635796.3315	618509.9569	
80123	10+68.28	12.0931	635778.1740	618497.5458	
81000	10+65.19	27.3525	635766.1512	618487.6529	
81001	10+74.43	27.3170	635761.8475	618495.8262	
81002	11+48.25	12.4659	635740.3135	618567.9874	
81003	11+56.86	9.7498	635738.6748	618576.8580	
81004	11+56.86	14.0000	635734.9218	618574.8634	
81005	11+59.78	12.8381	635734.5774	618577.9872	
81006	11+65.56	7.3670	635736.6931	618585.6640	
81007	11+69.00	11.0000	635731.8728	618586.9925	
81008	11+69.00	6.0000	635736.2879	618589.3391	
81009	11+73.32	6.0000	635734.2611	618593.1526	
81010	11+87.48	6.0000	635727.6156	618605.6564	
81011	11+89.00	10.7500	635722.7056	618604.7736	
81012	11+93.00	10.7500	635720.8283	618608.3058	
81013	12+65.37	11.9900	635685.7666	618671.6232	



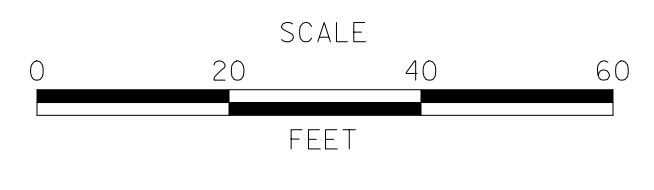
COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80200	12+63.31	-6.0000	635702.6208	618678.2542
80201	12+66.75	-7.3670	635702.2157	618681.9292
80202	12+63.31	-11.0000	635707.0360	618680.6007
80203	12+72.32	-12.6330	635704.2521	618689.3183
80204	12+75.75	-14.0000	635703.8469	618692.9933
80205	12+75.75	-9.0000	635699.4318	618690.6468
80206	13+07.48	-14.0000	635688.9542	618721.0146
80207	13+10.92	-12.6330	635686.1349	618723.4065
80208	13+07.48	-9.0000	635684.5390	618718.6680
80209	13+16.49	-7.3670	635678.8711	618725.8528
80210	13+19.92	-6.0000	635676.0518	618728.2447
80211	13+19.92	-11.0000	635680.4669	618730.5913
80212	12+62.13	6.0000	635692.5798	618671.5775
80213	12+62.13	11.0000	635688.1646	618669.2309
80214	12+65.56	7.3670	635689.7605	618673.9694
80215	12+71.13	12.6330	635682.4967	618676.4157
80216	12+74.57	14.0000	635679.6774	618678.8077
80217	12+74.57	9.0000	635684.0925	618681.1542
80218	13+18.24	14.0000	635659.1824	618717.3698

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80219	13+21.67	12.6330	635658.7772	618721.0448
80220	13+18.24	9.0000	635663.5975	618719.7164
80221	13+23.88	10.5468	635659.5840	618723.9721
80222	13+25.25	10.0000	635659.4219	618725.4421
80223	13+25.25	12.0000	635657.6558	618724.5035
80046	11+75.93	-10.7500	635747.8258	618603.3183
80047	12+04.65	-10.7500	635734.3476	618628.6803
80048	12+28.46	-10.7500	635723.1706	618649.7102
80224	12+65.23	-14.7500	635709.4462	618684.0561
80225	12+65.23	-10.7500	635705.9141	618682.1789
80226	12+65.37	15.9900	635682.2345	618669.7459
80228	12+74.56	15.9900	635677.9176	618677.8683
80229	12+75.74	-14.7500	635704.5162	618693.3322
80230	12+69.37	11.9900	635683.8893	618675.1553
81024	11+67.07	14.7500	635729.4632	618583.5359
81025	11+67.07	10.7500	635732.9953	618585.4131
81026	11+89.00	14.7500	635719.1734	618602.8964
81027	12+97.51	18.7500	635664.7157	618696.8375
81028	11+63.07	10.7500	635734.8725	618581.8810

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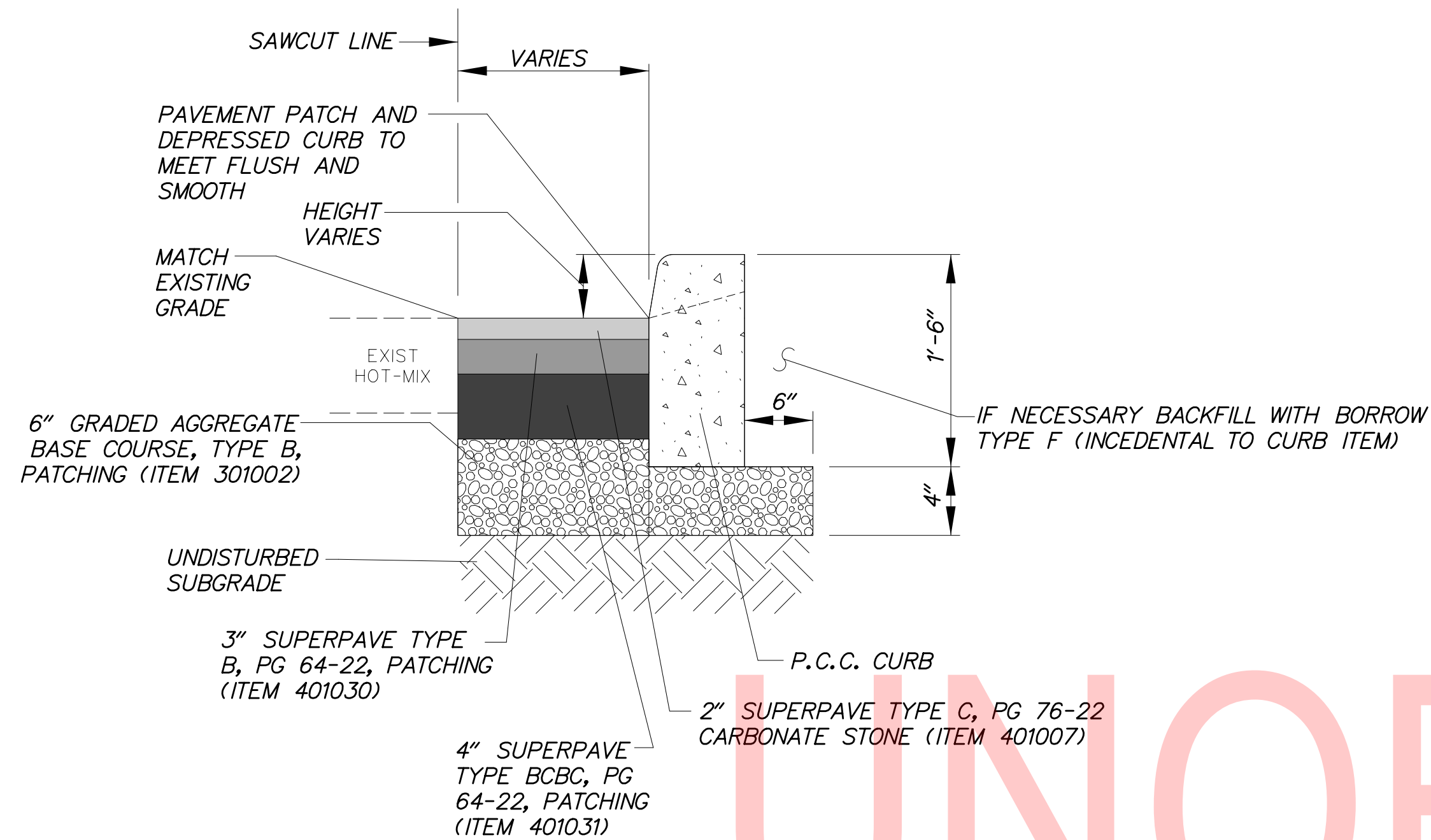
ADDENDA / REVISIONS



9TH STREET ENHANCEMENTS, PHASE II

CONTRACT T201620013	BRIDGE NO. NA	GRADES AND GEOMETRICS	SECTION McT
COUNTY NEW CASTLE	DESIGNED BY: F. ATIQUE		SHEET NO.
CHECKED BY: S. RUKOWICZ			9

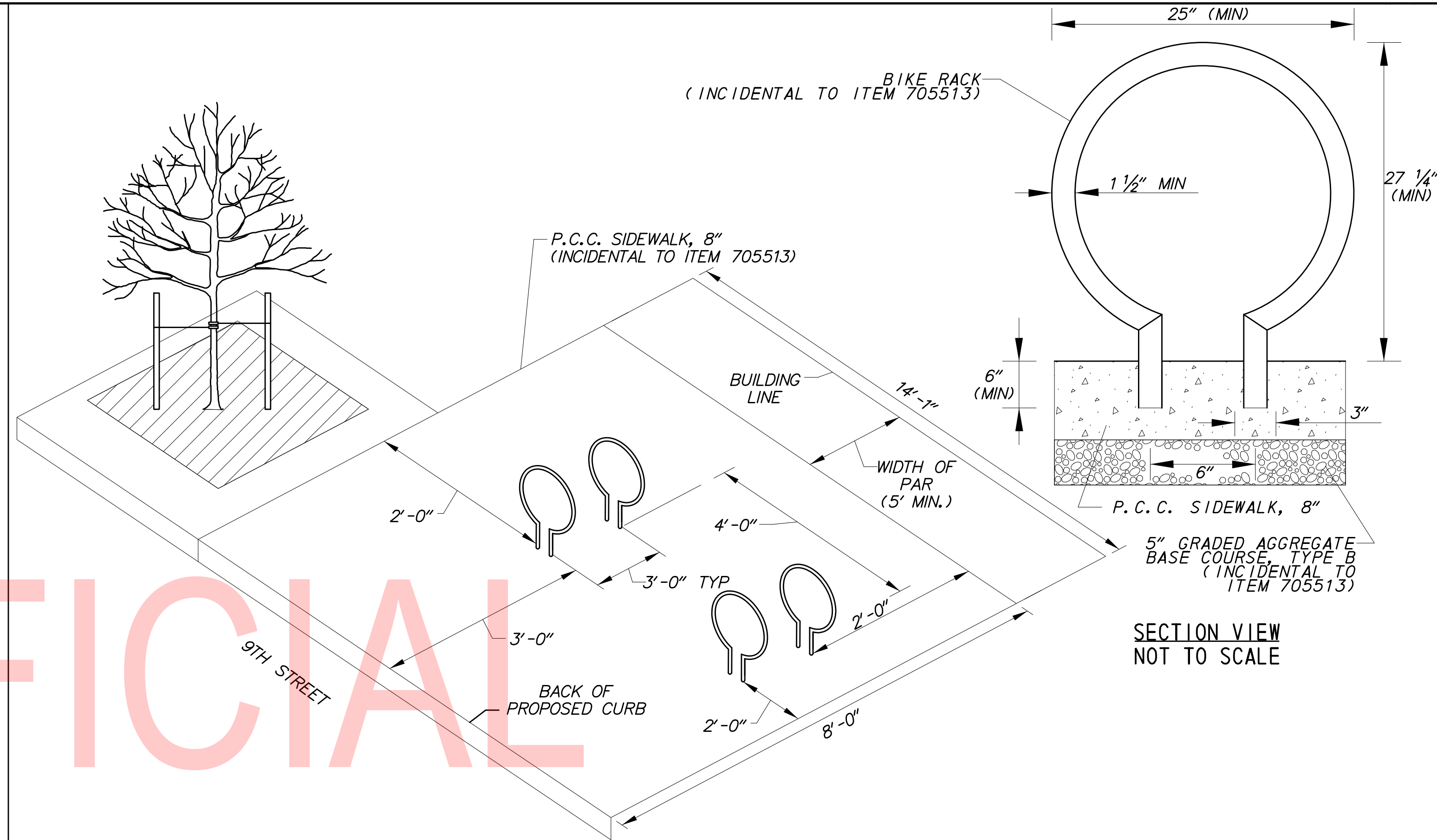
GG-01



P.C.C. CURB PAVEMENT PATCH DETAIL

NOT TO SCALE

- STA. 10+64 RT TO STA. 10+77 RT
- STA. 11+48 RT TO STA. 12+68 RT
- STA. 13+25 RT TO STA. 13+51 RT
- STA. 10+60 LT TO STA. 10+82 LT
- STA. 11+45 LT TO STA. 12+64 LT
- STA. 13+42 LT TO STA. 13+52 LT
- STA. 13+78 LT TO STA. 13+93 LT (USE ITEM 401029 - SUPERPAVE TYPE C, PG 64-22, PATCHING)

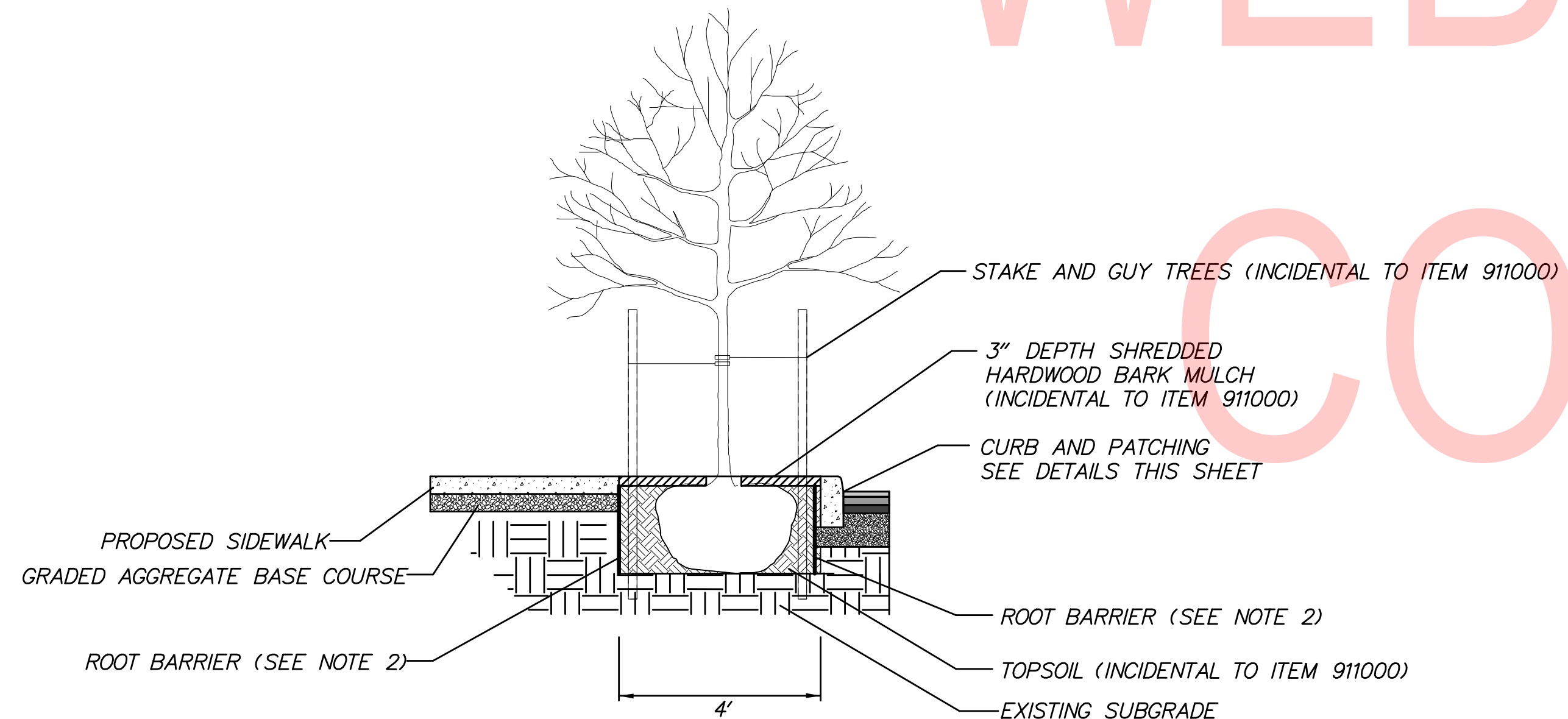


BIKE PAD DETAIL

NOT TO SCALE

NOTES:

1. BIKE RACK SHALL BE ANCHORED AS PER MANUFACTURER'S RECOMMENDATIONS AFTER APPROVAL FROM ENGINEER IN THE FIELD.
2. TYPICAL EMBEDMENT MOUNT SHOWN.

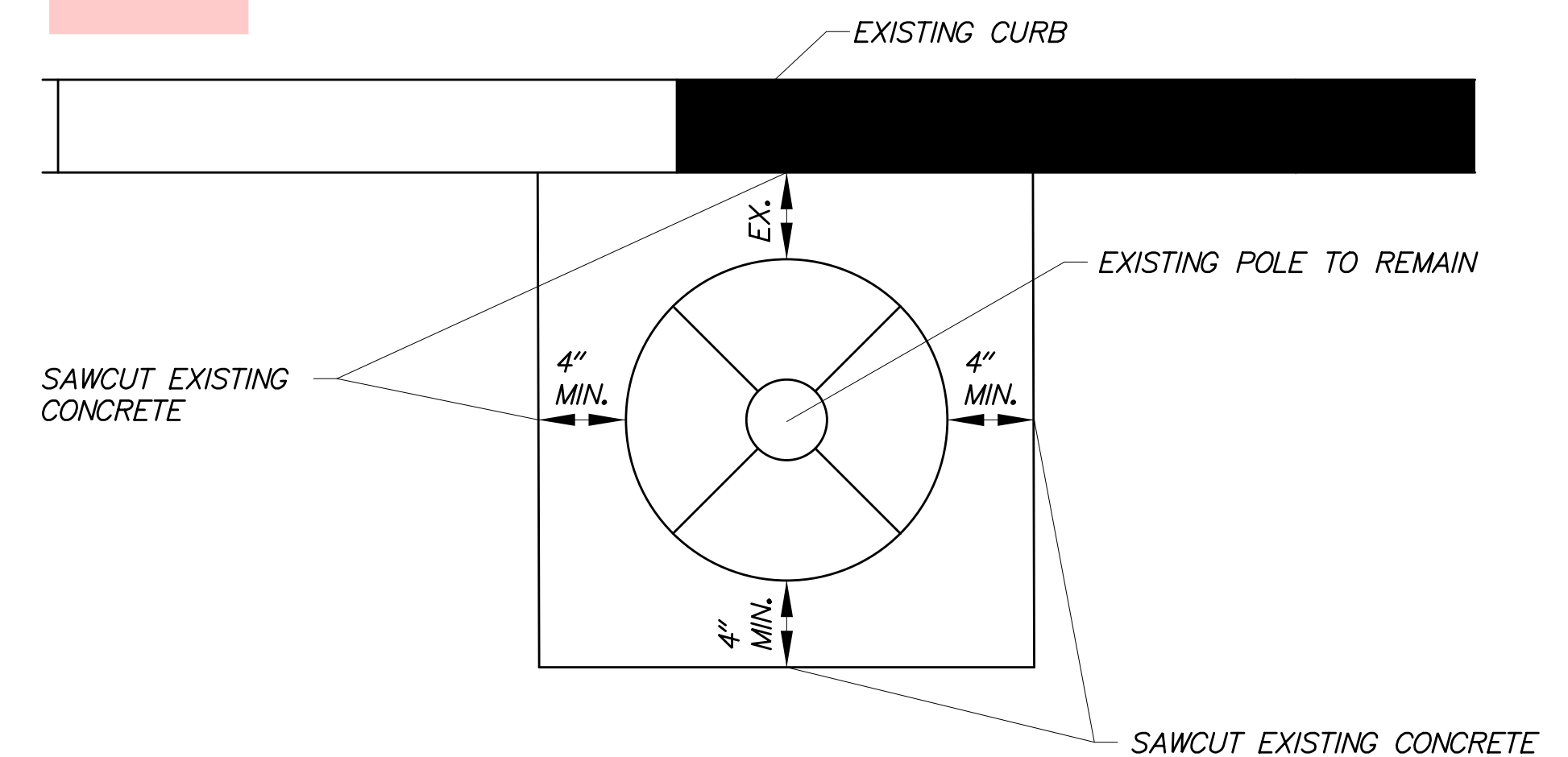


TREE PIT DETAIL

NOT TO SCALE

NOTES:

1. INSTALL IN ACCORDANCE WITH SECTION 911.
2. CONTRACTOR IS RESPONSIBLE FOR CONTACTING MISS UTILITY TO LOCATE ALL UNDERGROUND UTILITY LINES PRIOR TO INSTALLATION OF PLANT MATERIAL.
3. INSTALL SHREDDED HARDWOOD BARK MULCH IN THE TREE PITS FLUSH WITH THE TOP OF THE SIDEWALK SURFACE.
4. TYPICAL TREE PIT SIZE IS 4'X4'. SEE GRADES AND GEOMETRICS FOR NON-STANDARD SIZED PITS.



CONSTRUCTION AROUND EXISTING SIGNAL POLE

NOT TO SCALE

NOTES:

1. SAWCUT EXISTING SIDEWALK AND CURB AROUND SIGNAL POLE BASE. SAWCUT LINES SHALL BE ALONG EXISTING SIDEWALK JOINTS OR A MINIMUM OF 4" FROM THE BOTTOM OF POLE BASE.
2. PROTECT EXISTING SIGNAL POLE AND EXISTING SIDEWALK SLAB DURING REMOVAL OF CONCRETE OUTSIDE OF SLAB AND CONSTRUCTION OF PROPOSED CURB AND SIDEWALK.
3. CONSTRUCT PROPOSED SIDEWALK AS SHOWN ON PLANS. PLACE A 1/2" POLYURETHANE-BONDED RECYCLED RUBBER (TYPE IV) EXPANSION JOINT FULL DEPTH OF SIDEWALK WHERE PROPOSED SIDEWALK BORDERS EXISTING SIDEWALK SLAB AND SIGNAL POLE.

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ADDENDA / REVISIONS

NOT TO SCALE

**9TH STREET ENHANCEMENTS,
PHASE II**

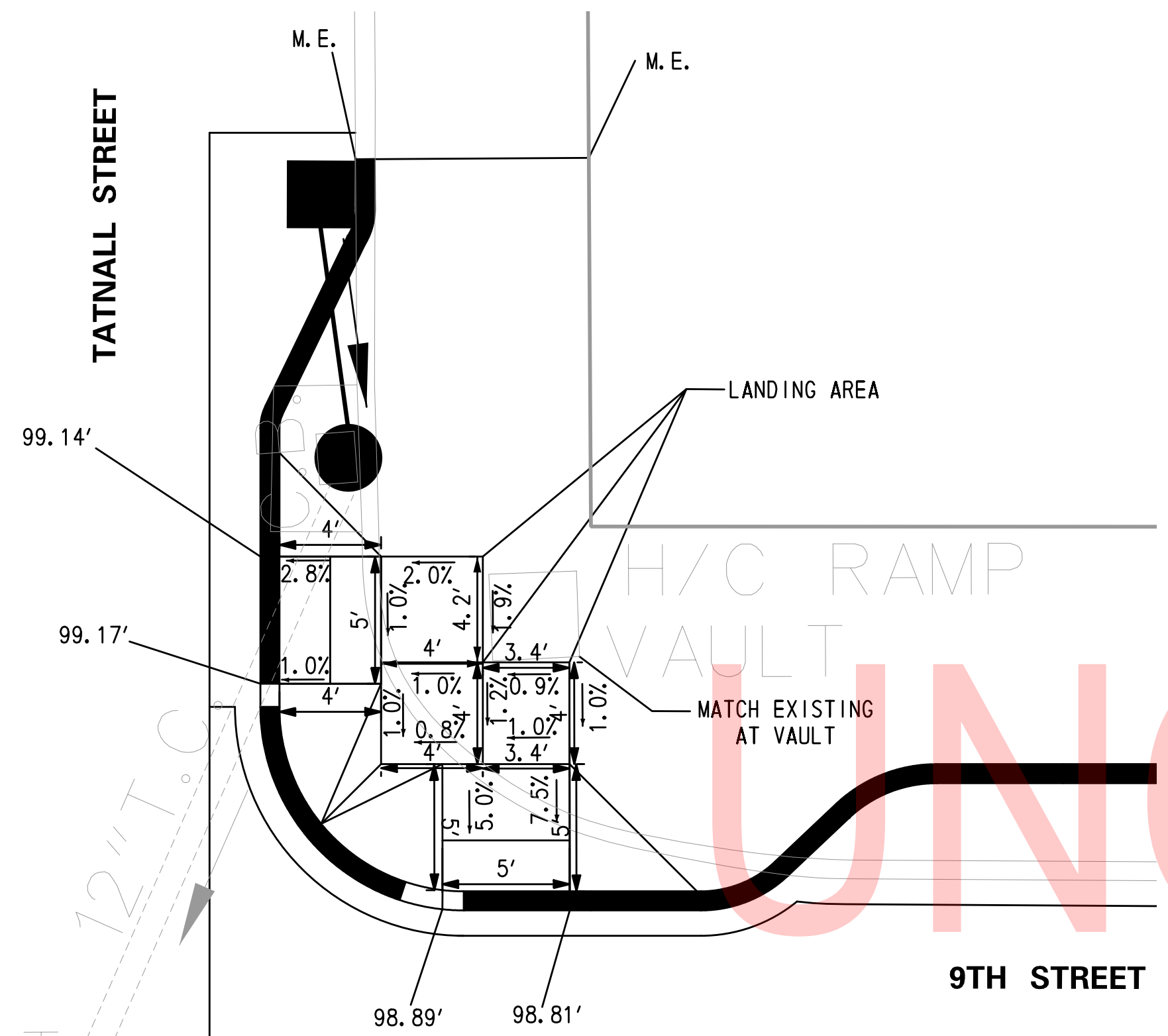
CONTRACT	BRIDGE NO.	NA
T201620013	DESIGNED BY:	F. ATIQUE
COUNTY	CHECKED BY:	S. RUKOWICZ
NEW CASTLE		

CONSTRUCTION DETAILS

DT-01

SECTION
McT
SHEET NO.
10

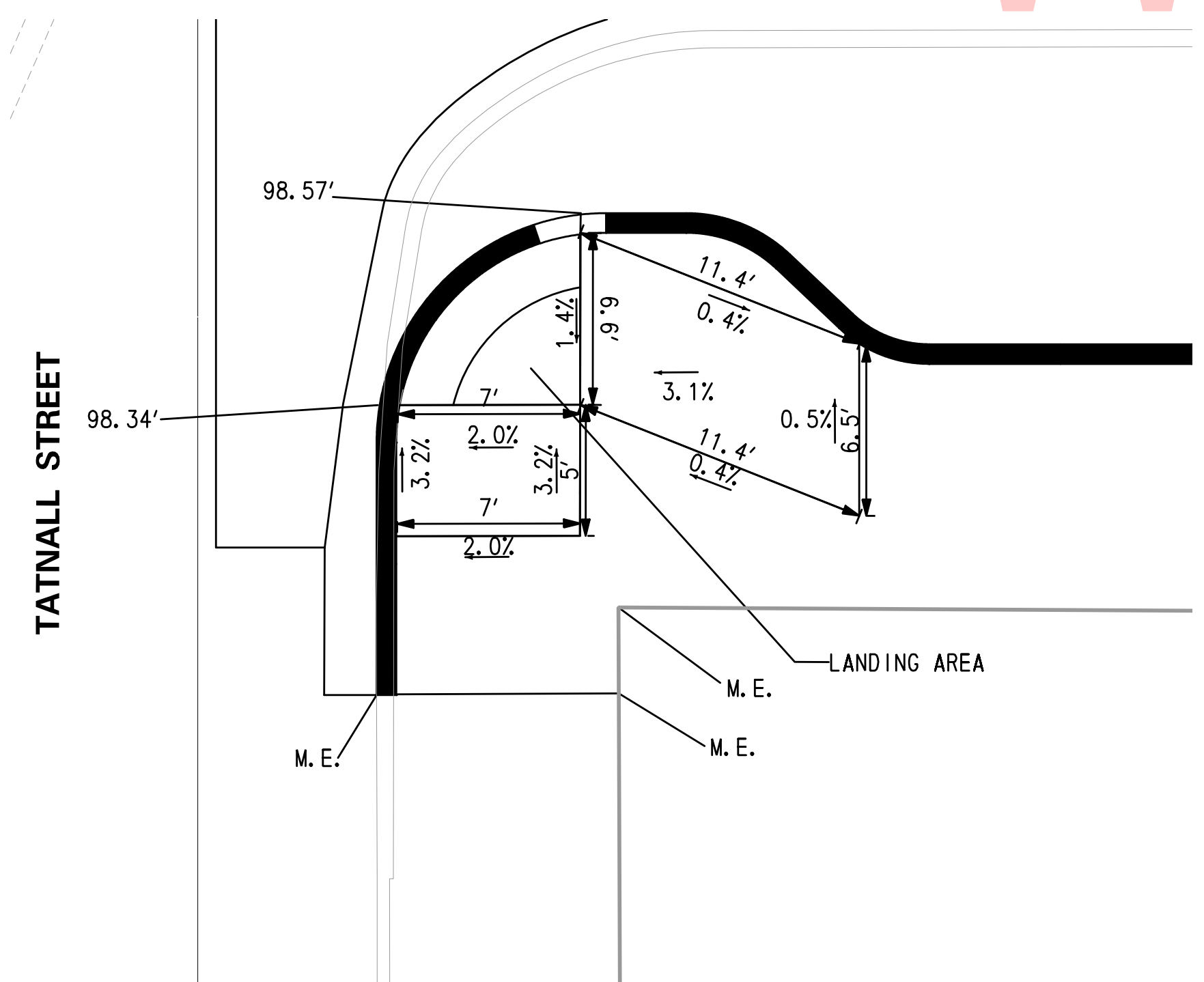
DT
01 CURB RAMP CONSTRUCTION DETAIL
STA. 10+70.00 LT



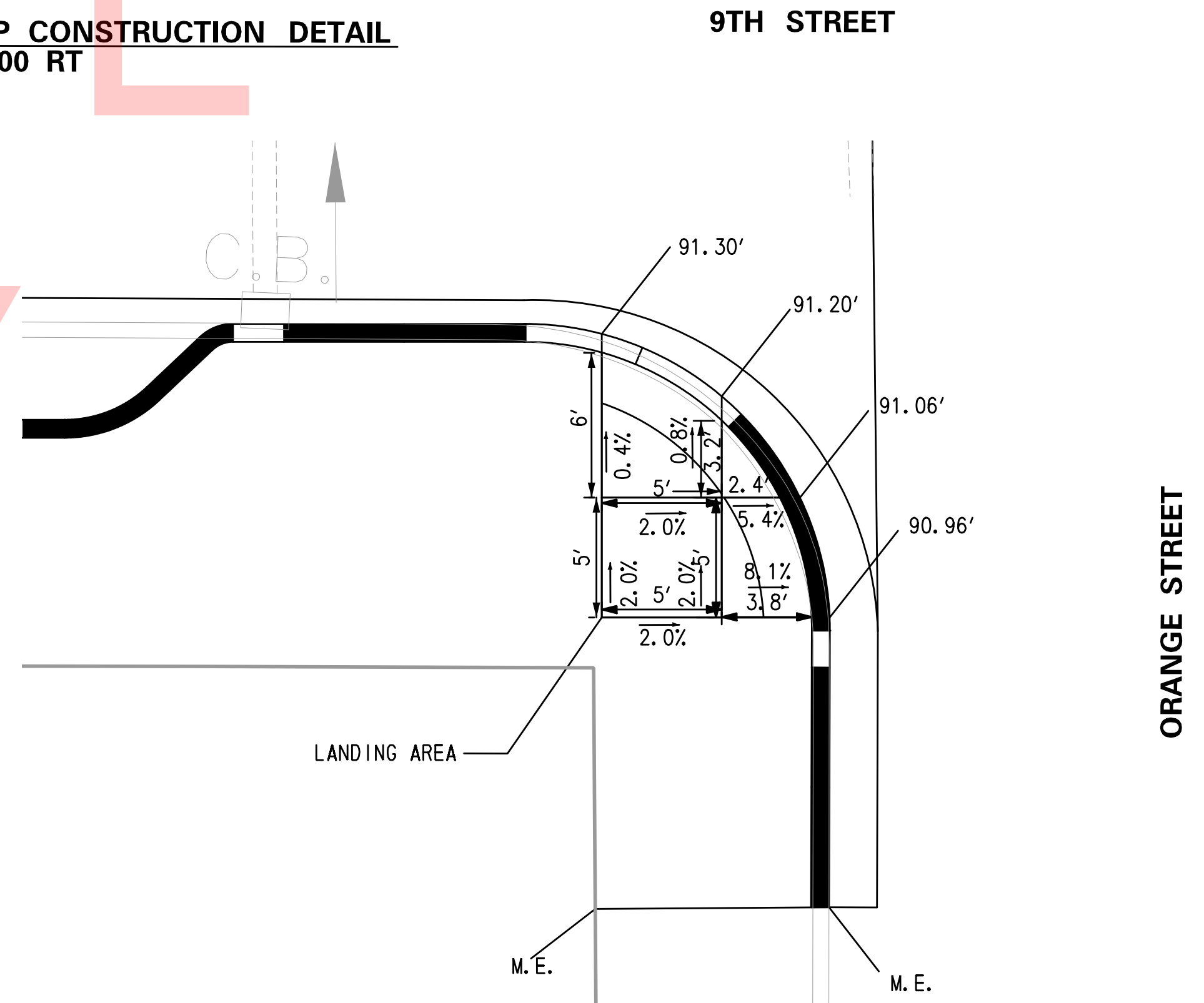
NOTES:

1. LANDING AREAS SHALL NOT EXCEED A 2% CROSS SLOPE AND A 2% RUNNING SLOPE.
2. DETECTABLE WARNING SURFACES SHALL BE PLANAR AND FLUSH WITH ADJACENT SURFACES.
3. REFER TO GRADES AND GEOMETRIC PLANS FOR ADDITIONAL GRADES.
4. ELEVATIONS SHOWN ARE FOR THE LIMITS OF DEPRESSED CURB AND GUTTER.
5. THE CONTRACTOR SHALL TIE-IN BACK TO THE EXISTING SURFACE AT THE LOCATIONS THAT ARE SHOWN AS "MATCH EXISTING" OR "M.E."

DT
02 CURB RAMP CONSTRUCTION DETAIL
STA. 10+70.00 RT



DT
03 CURB RAMP CONSTRUCTION DETAIL
STA. 13+50.00 RT



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ADDENDA / REVISIONS



9TH STREET ENHANCEMENTS,
PHASE II

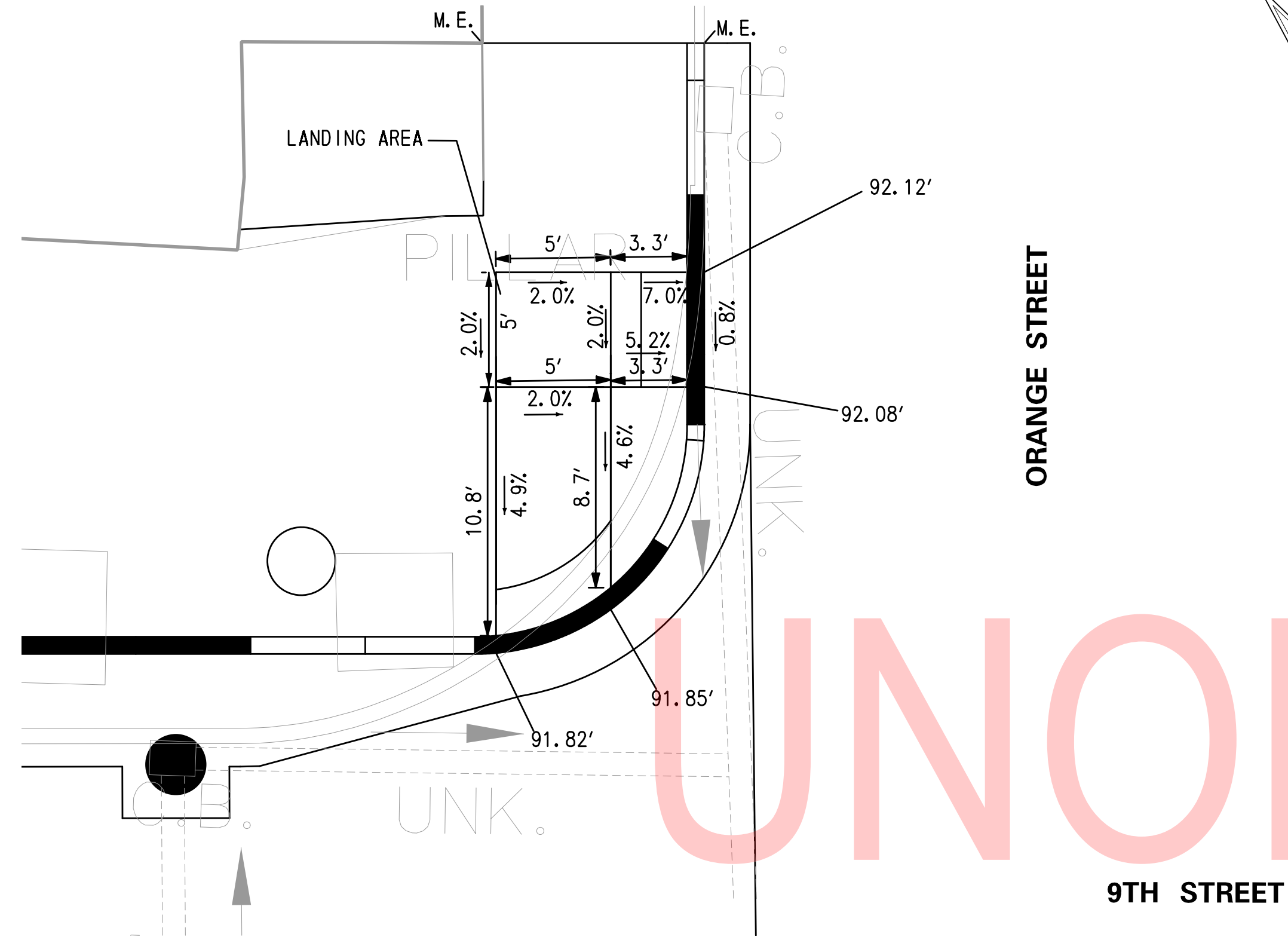
CONTRACT	BRIDGE NO.	N/A
T201620013	DESIGNED BY:	F. ATIQUE
COUNTY	CHECKED BY:	S. RUKOWICZ
NEW CASTLE		

CONSTRUCTION DETAILS

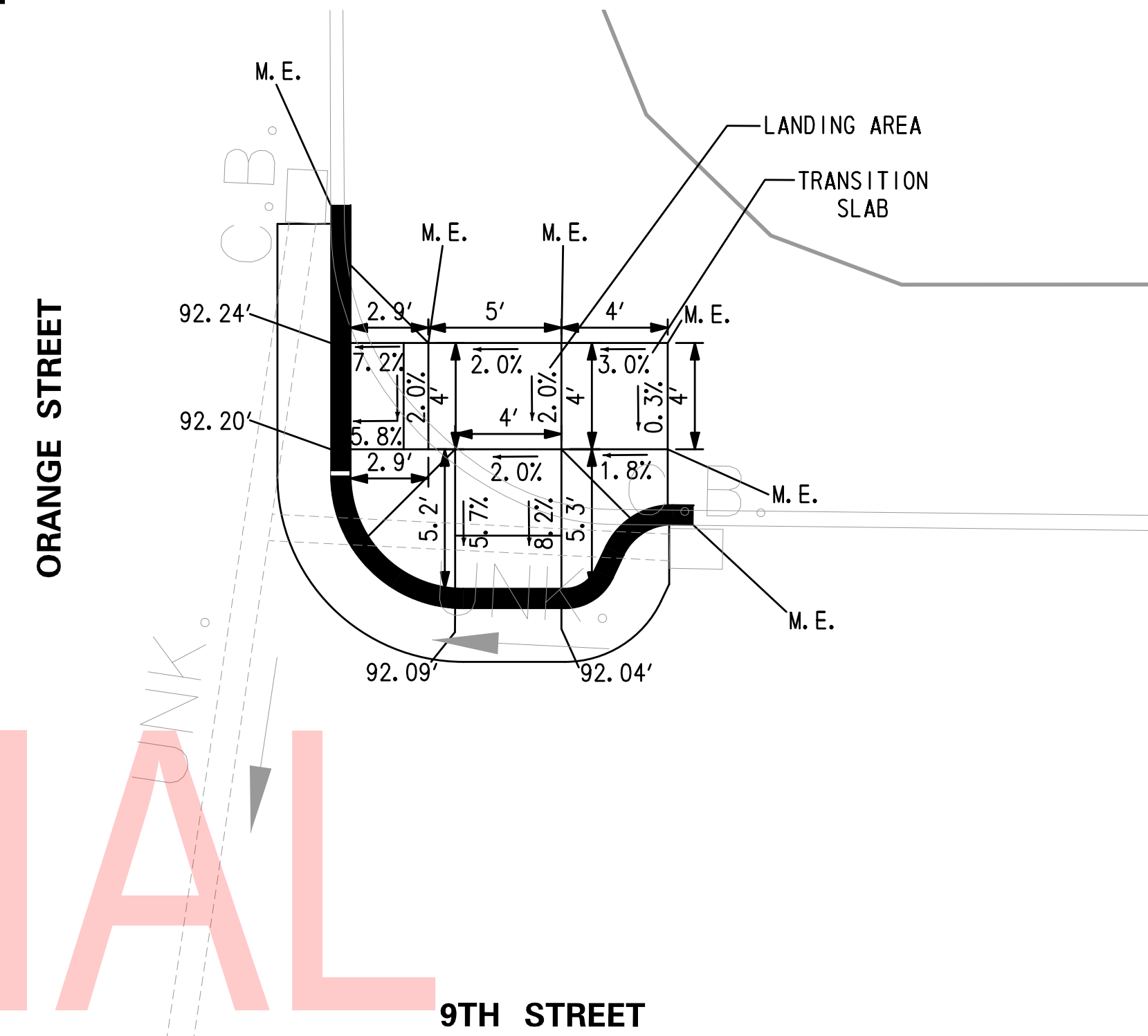
DT-02

SECTION
McT
SHEET NO.
11

DT
04 CURB RAMP CONSTRUCTION DETAIL
STA. 13+50.00 LT



DT
05 CURB RAMP CONSTRUCTION DETAIL
STA. 13+80.00 LT



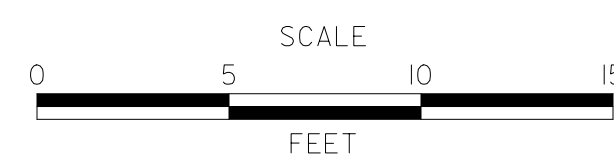
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WEBSITE
COPY

NOTES:

1. LANDING AREAS SHALL NOT EXCEED A 2% CROSS SLOPE AND A 2% RUNNING SLOPE.
2. DETECTABLE WARNING SURFACES SHALL BE PLANAR AND FLUSH WITH ADJACENT SURFACES.
3. REFER TO GRADES AND GEOMETRIC PLANS FOR ADDITIONAL GRADES.
4. ELEVATIONS SHOWN ARE FOR THE LIMITS OF DEPRESSED CURB AND GUTTER.
5. THE CONTRACTOR SHALL TIE-IN BACK TO THE EXISTING SURFACE AT THE LOCATIONS THAT ARE SHOWN AS "MATCH EXISTING" OR "M.E."

ADDENDA / REVISIONS



9TH STREET ENHANCEMENTS,
PHASE II

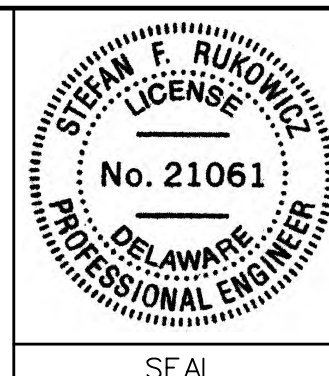
CONTRACT	BRIDGE NO.	N/A
T201620013	DESIGNED BY:	F. ATIQUE
COUNTY	CHECKED BY:	S. RUKOWICZ
NEW CASTLE		

CONSTRUCTION DETAILS

DT-03

SECTION	McT
SHEET NO.	12

PREPARED BY



Stephen F. Rukowicz 12/6/2019

"I CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THE DESIGN OF THESE PLANS MEETS THE REQUIREMENTS OF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS."

Vincent W. Davis 12/11/2019

"I CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THESE PLANS MEET THE REQUIREMENTS OF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS AND THAT ALL CLEARING, GRADING, AND CONSTRUCTION WILL BE ACCOMPLISHED PURSUANT TO THE PLAN."

GENERAL MOT NOTES:

- MAINTENANCE OF TRAFFIC DURING LANE CLOSURES AND LANE SHIFTS SHALL CONFORM TO TYPICAL APPLICATION 3, 21 AND 23 OF THE DELAWARE MUTCD.
- THE USE OF MILLINGS AND GRADED AGGREGATE BASE COURSE (GABC) IN THE TRAVEL WAY, TEMPORARY TRAVEL WAY, HIGH VOLUME ENTRANCES AND ACCESS RAMP FOR THE PURPOSE OF PROVIDING A TEMPORARY ROADWAY SURFACE, POT HOLE REPAIR, TAPERED EDGE FOR UTILITIES, BUTT JOINTS, AND LONGITUDINAL DROP-OFFS (MILLING AND PAVING OPERATIONS) IS PROHIBITED UNLESS IT IS OTHERWISE DESIGNATED TO BE USED IN THE CONTRACT PLANS. USE COLD PATCH, BITUMINOUS CONCRETE, BITUMINOUS CONCRETE WEDGE, OR TAPER MILL, AS NOTED IN THE CONTRACT DOCUMENTS OR APPROVED BY THE ENGINEER. PAYMENT FOR COLD PATCH, BITUMINOUS CONCRETE OR BITUMINOUS CONCRETE WEDGE SHALL BE PAID AS NOTED IN THE CONTRACT DOCUMENTS. TAPER MILL BITUMINOUS CONCRETE SHALL BE PAID UNDER THE BITUMINOUS CONCRETE MILLING ITEM.
 - MILLINGS OR GABC SHALL BE USED AT THE FOLLOWING LOCATIONS WHERE ACCESS TO A BUSINESS, RESIDENCE, OR EDGE DROP OFF NEEDS TO BE MAINTAINED UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE ENGINEER TO USE BITUMINOUS CONCRETE OR COLD PATCH. ALL MILLINGS AND GABC WILL BE ROLLED AND COMPACTED TO HELP PREVENT THE MATERIAL FROM UNRAVELLING:
 - DRIVEWAYS
 - ENTRANCES
 - LOW VOLUME ACCESS RAMPS (IDENTIFIED IN THE CONTRACT DOCUMENTS)
 - EDGE DROP-OFFS ADJACENT TO LIVE ROADWAY (LANES AND SHOULDER) AND THE PROPOSED ROAD CONSTRUCTION
 - EDGE OF ROADWAY DROP-OFF

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

- ACCEPTABLE MATERIALS FOR TEMPORARY PEDESTRIAN PATHS SHALL INCLUDE CONCRETE, HOT-MIX, COMPACTED MILLINGS OR PLYWOOD WALKWAY STRUCTURE. PLYWOOD WALKWAY STRUCTURES SHALL ALSO INCLUDE DETECTABLE EDGING AND RAILINGS IN ACCORDANCE WITH ADA GUIDELINES AND THE DELAWARE MUTCD. TEMPORARY PEDESTRIAN PATHS SHALL BE INCIDENTAL TO ITEM 801000 UNLESS OTHERWISE SPECIFIED IN THE PLANS. STONE OR GRADED AGGREGATE BASE COURSE SHALL NOT BE USED FOR TEMPORARY PEDESTRIAN PATHS.

GENERAL MOT NOTES:

- AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED TRAFFIC CONTROL SUPERVISOR REQUIREMENT FOR THIS PROJECT.

(X)	THE CONTRACTOR SHALL NOT BE REQUIRED TO HAVE AN ATSSA SUPERVISOR ASSIGNED TO THIS PROJECT.
()	THE CONTRACTOR SHALL HAVE AN ATSSA SUPERVISOR ASSIGNED TO THIS PROJECT. THE CONTRACTOR'S GENERAL SUPERINTENDENT FOR THIS PROJECT OR ANOTHER ATSSA CERTIFIED MEMBER OF THE CONTRACTOR'S PROJECT STAFF MAY BE THE ATSSA SUPERVISOR. PAYMENT FOR ATSSA SUPERVISOR IS INCIDENTAL TO ITEM 801000.

- PARKING ON 9TH STREET BETWEEN TATNALL STREET AND ORANGE STREET WILL NOT BE PERMITTED DURING CONSTRUCTION.
- MAINTAIN ACCESS TO RESIDENCES AND BUSINESSES AT ALL TIMES. COORDINATE CONSTRUCTION WITH PROPERTY OWNERS.
- THE CONTRACTOR SHALL COORDINATE WITH DELDOT CONSTRUCTION TO MAINTAIN ADA ACCESS FOR PEDESTRIANS AND BUSINESSES DURING CONSTRUCTION.

GENERAL EROSION AND SEDIMENT CONTROL NOTES:

- THE EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED PER PLAN AND REMAIN IN PLACE UNTIL FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AS DIRECTED BY THE ENGINEER.

EROSION POTENTIAL FOR THIS PROJECT	CONTRACTOR ESC SUPERVISOR REQUIREMENT
() INSIGNIFICANT	NONE
(x) MINOR	CONTRACTOR TRAINING PROGRAM, AS DEFINED IN SECTION 6.2 OF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS.
() MAJOR	CERTIFIED CONSTRUCTION REVIEWER (CCR), AS DEFINED IN SECTION 6.3 OF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS.

- THE DISTURBED AREA FOR THIS PROJECT IS 0.27 ACRES.
- THEIR IS NO ADDITIONAL IMPERVIOUS AREA FOR THIS PROJECT.
- THE SEDIMENT AND STORMWATER MANAGEMENT PLANS HAVE BEEN APPROVED BY DELDOT'S STORMWATER ENGINEER UNDER DELDOT'S DELEGATED AUTHORITY. THE SEDIMENT AND STORMWATER MANAGEMENT PLANS ARE VALID FOR A FIVE YEAR PERIOD, BEGINNING ON THE DATE THE STORMWATER ENGINEER SIGNED THE CONSTRUCTION TITLE SHEET. IF THE FINAL ACCEPTANCE OF THE PROJECT IS ANTICIPATED TO EXTEND BEYOND THE FIVE YEARS, THE CONTRACTOR WILL INFORM THE ENGINEER THREE MONTHS PRIOR TO THE EXPIRATION OF THE APPROVED SEDIMENT AND STORMWATER MANAGEMENT PLANS. THE STORMWATER ENGINEER WILL REVIEW THE CURRENT SEDIMENT AND STORMWATER MANAGEMENT PLAN AND ISSUE AN EXTENSION WITH ANY APPROPRIATE MODIFICATIONS.

ALLOWABLE LANE CLOSURE HOURS: 9TH STREET

	12:00 AM	1:00 AM	2:00 AM	3:00 AM	4:00 AM	5:00 AM	6:00 AM	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM	11:00 PM
SUNDAY																								
MONDAY																								
TUESDAY																								
WEDNESDAY																								
THURSDAY																								
FRIDAY																								
SATURDAY																								

LANE CLOSED

LANE OPEN

PCMS-1 **PRIOR TO CONSTRUCTION**
(10 DAYS PRIOR TO START OF CONSTRUCTION)

ROAD WORK STARTING

XXXXXX EXPECT DELAYS

PCMS-1 **DURING CONSTRUCTION**
(5 DAYS AFTER STARTING CONSTRUCTION)

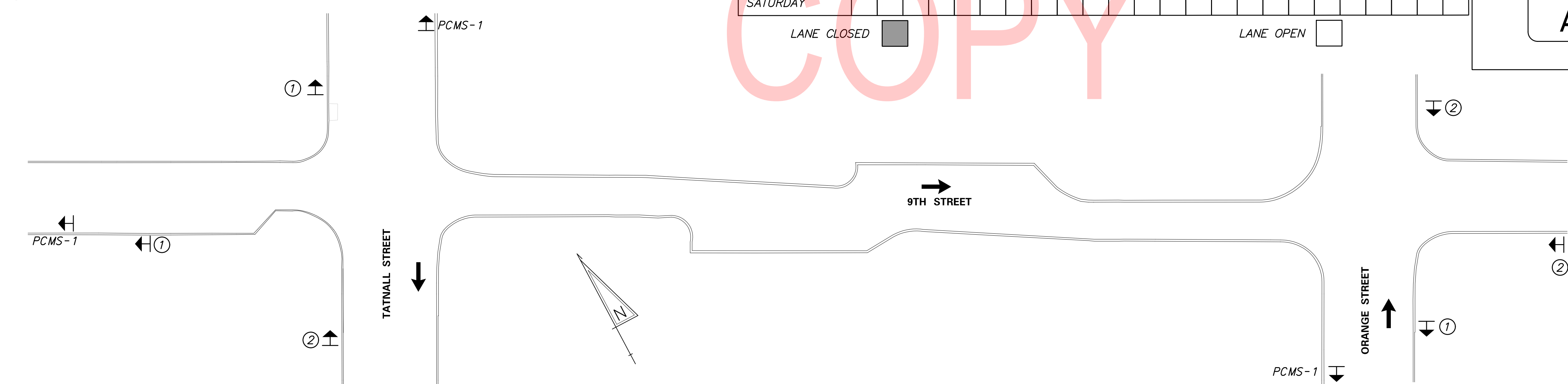
ROAD WORK AHEAD

X AM-X PM EXPECT DELAYS

WARNING SIGN LEGEND

ROAD WORK AHEAD (W20-1 48" X 48")

END ROAD WORK (G20-2A 48" X 24")



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ADDENDA / REVISIONS

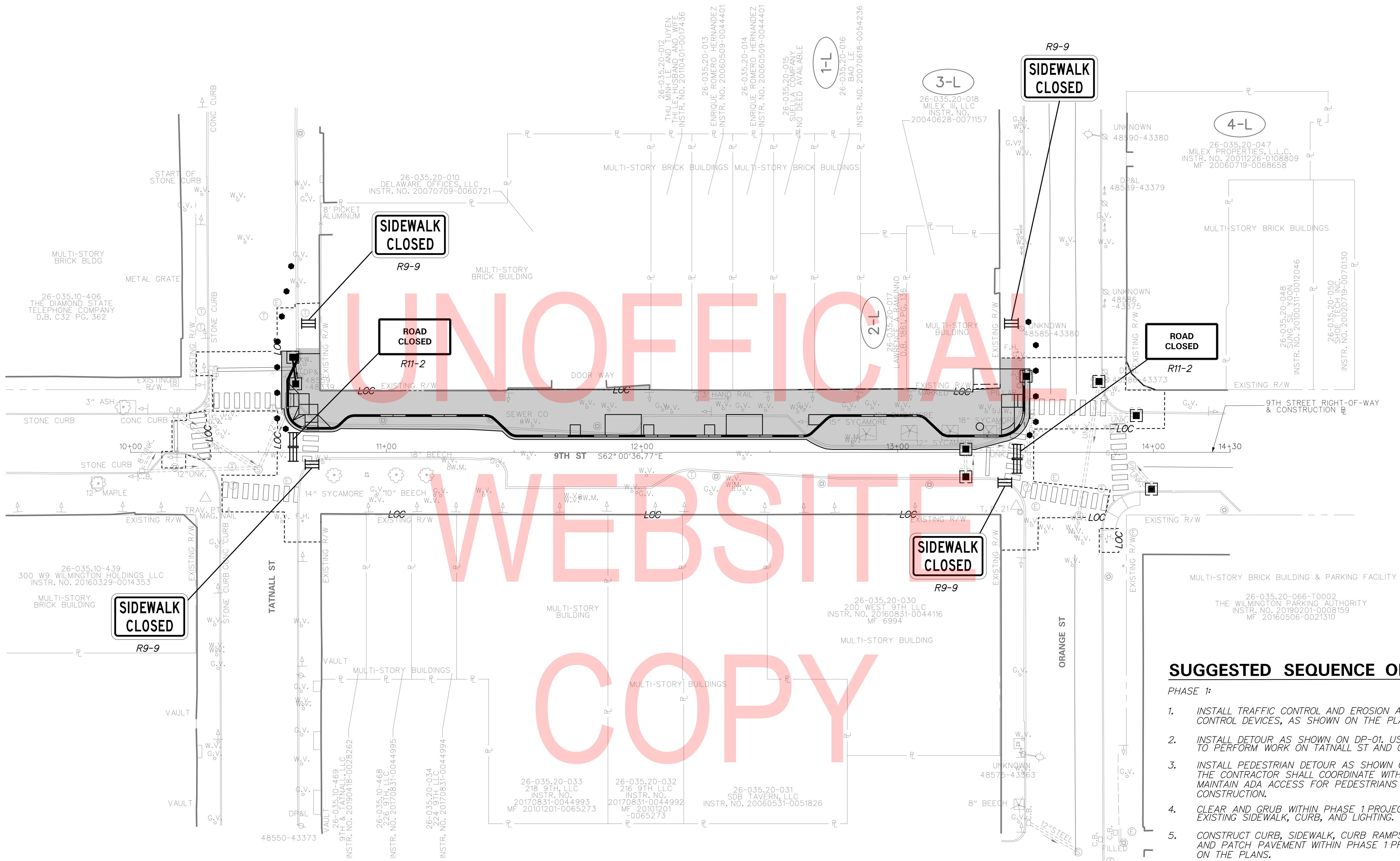
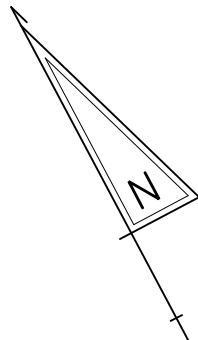


9TH STREET ENHANCEMENTS, PHASE II

CONTRACT	BRIDGE NO.	NA
T201620013	DESIGNED BY:	F. ATIQUE
COUNTY	CHECKED BY:	S. RUKOWICZ
NEW CASTLE		

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

CS-01
SECTION
McT
SHEET NO.
13



SUGGESTED SEQUENCE OF CONSTRUCTION

- PHASE 1:**
1. INSTALL TRAFFIC CONTROL AND EROSION AND SEDIMENT CONTROL DEVICES, AS SHOWN ON THE PLANS.
 2. INSTALL DETOUR AS SHOWN ON DP-01. USE TA-21 AND TA-23 TO PERFORM WORK ON TATNALL ST AND ORANGE ST.
 3. INSTALL PEDESTRIAN DETOUR AS SHOWN ON DP-02 FOR PHASE 1. THE CONTRACTOR SHALL COORDINATE WITH DELDOT CONSTRUCTION TO MAINTAIN ADA ACCESS FOR PEDESTRIANS AND BUSINESSES DURING CONSTRUCTION.
 4. CLEAR AND GRUB WITHIN PHASE 1 PROJECT AREA. REMOVE EXISTING SIDEWALK, CURB, AND LIGHTING.
 5. CONSTRUCT CURB, SIDEWALK, CURB RAMPS, LIGHTING, DRAINAGE, AND PATCH PAVEMENT WITHIN PHASE 1 PROJECT AREA, AS SHOWN ON THE PLANS.
 6. STABILIZE ALL DISTURBED AREAS PRIOR TO MOVING TO THE NEXT PHASE.
 7. REMOVE PEDESTRIAN DETOUR.

NOTES:

1. CONTRACTOR SHALL REMOVE ONLY THE AMOUNT OF CURB AND SIDEWALK THAT CAN BE FILLED IN AT THE END OF THE DAY AND COVERED WITH TEMPORARY PEDESTRIAN PATHS, IN ORDER TO MAINTAIN ACCESS FOR PROPERTY OWNERS IN PHASE 1 WORK AREA. PAYMENT FOR PATHWAYS SHALL BE INCIDENTAL TO ITEM 801000 - MAINTENANCE OF TRAFFIC.

12/6/2019 2:08:35 PM ... Rroadway_CS02_9th_Street.dgn
McCORMICK TAYLOR

ADDENDA / REVISIONS

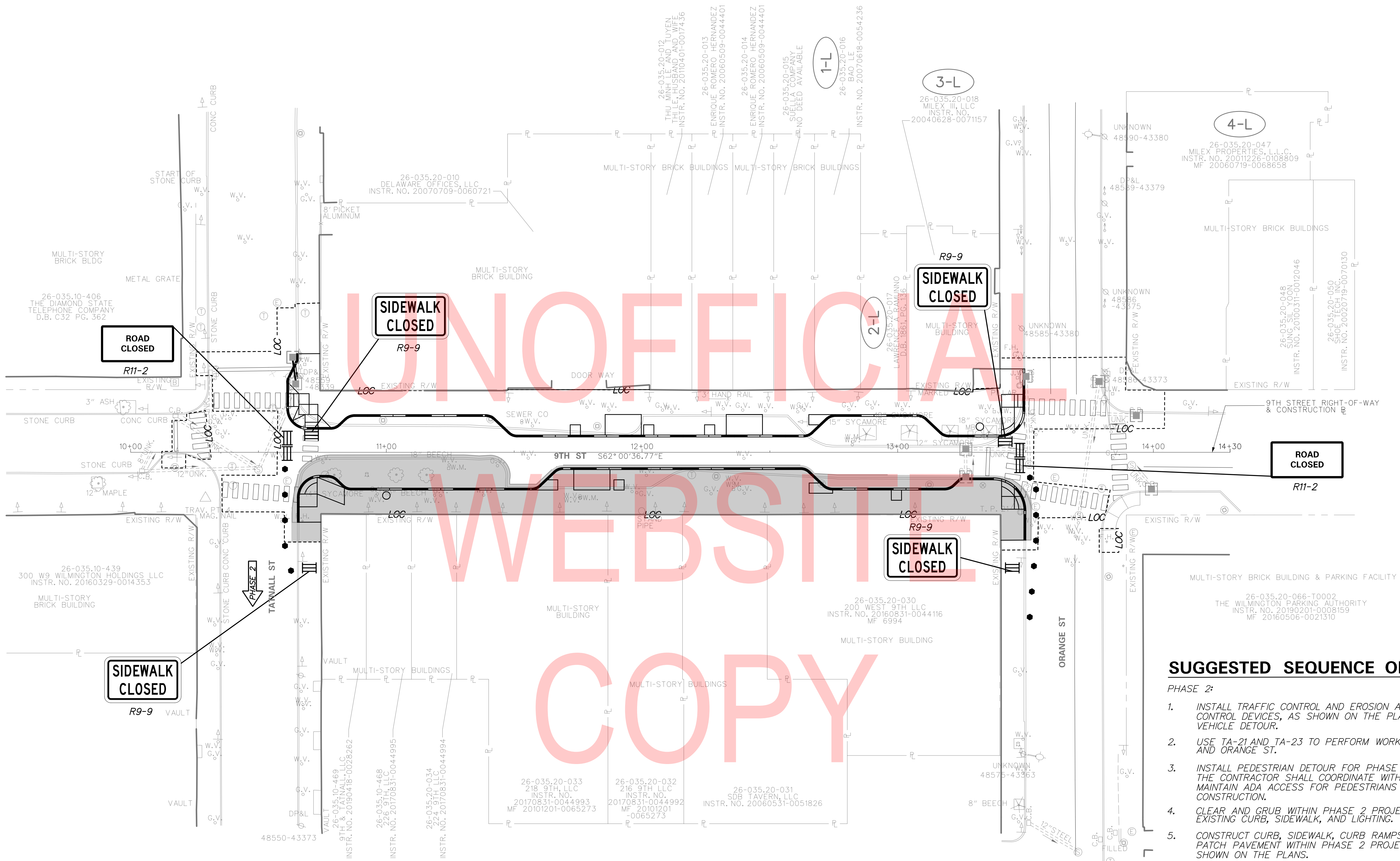
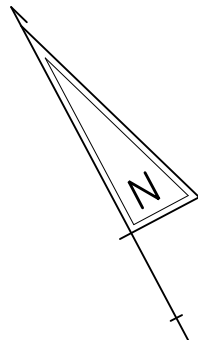


9TH STREET ENHANCEMENTS, PHASE II

CONTRACT	BRIDGE NO.	NA
T201620013	DESIGNED BY:	F. ATIQUE
COUNTY	CHECKED BY:	S. RUKOWICZ
NEW CASTLE		

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN - PHASE 1
SHEET NO.
14

CS-02



SUGGESTED SEQUENCE OF CONSTRUCTION

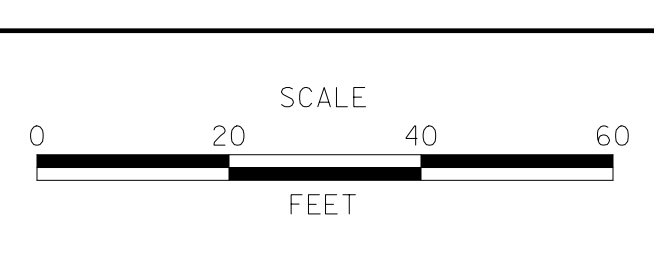
- PHASE 2:**
1. INSTALL TRAFFIC CONTROL AND EROSION AND SEDIMENT CONTROL DEVICES, AS SHOWN ON THE PLANS. MAINTAIN VEHICLE DETOUR.
 2. USE TA-21 AND TA-23 TO PERFORM WORK ON TANALL ST AND ORANGE ST.
 3. INSTALL PEDESTRIAN DETOUR FOR PHASE 2 AS SHOWN ON DP-03. THE CONTRACTOR SHALL COORDINATE WITH DELDOT CONSTRUCTION TO MAINTAIN ADA ACCESS FOR PEDESTRIANS AND BUSINESSES DURING CONSTRUCTION.
 4. CLEAR AND GRUB WITHIN PHASE 2 PROJECT AREA. REMOVE EXISTING CURB, SIDEWALK, AND LIGHTING.
 5. CONSTRUCT CURB, SIDEWALK, CURB RAMPS, LIGHTING, AND PATCH PAVEMENT WITHIN PHASE 2 PROJECT AREA, AS SHOWN ON THE PLANS.
 6. STABILIZE ALL DISTURBED AREAS PRIOR TO MOVING TO THE NEXT PHASE.
 7. REMOVE PEDESTRIAN DETOUR.

NOTES:

1. CONTRACTOR SHALL REMOVE ONLY THE AMOUNT OF CURB AND SIDEWALK THAT CAN BE FILLED IN AT THE END OF THE DAY AND COVERED WITH TEMPORARY PEDESTRIAN PATHS, IN ORDER TO MAINTAIN ACCESS FOR PROPERTY OWNERS IN PHASE 2 WORK AREA. PAYMENT FOR PATHWAYS SHALL BE INCIDENTAL TO ITEM 801000 - MAINTENANCE OF TRAFFIC.

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McCORMICK TAYLOR

ADDENDA / REVISIONS

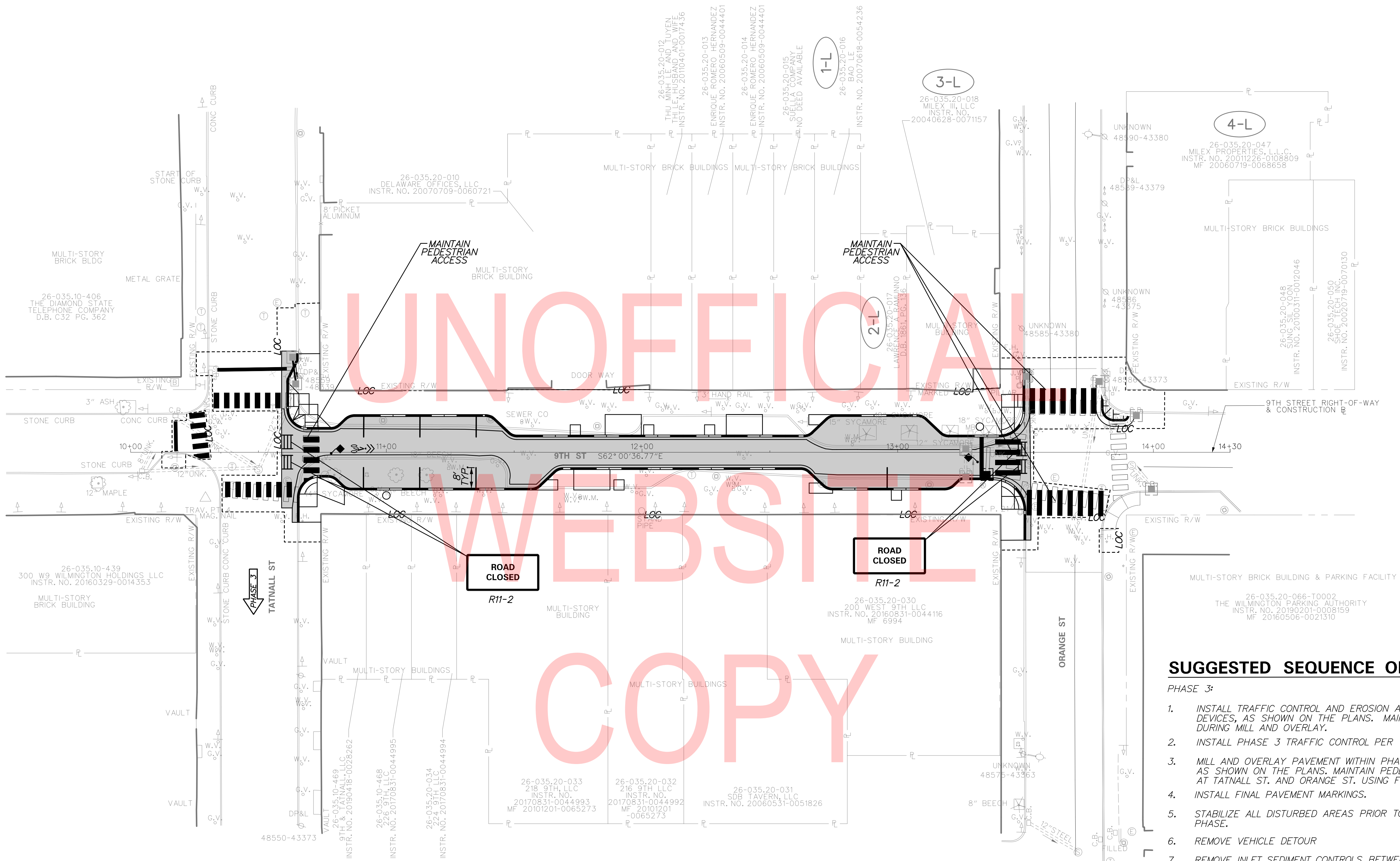
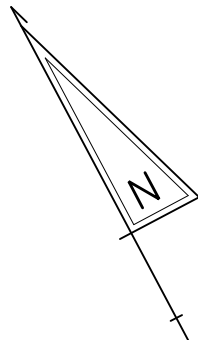


9TH STREET ENHANCEMENTS, PHASE II

CONTRACT	BRIDGE NO.	NA
T201620013	DESIGNED BY:	F. ATIQUE
COUNTY	CHECKED BY:	S. RUKOWICZ
NEW CASTLE		

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

CS-03
SECTION
McT
SHEET NO.
15



SUGGESTED SEQUENCE OF CONSTRUCTION

- PHASE 3:**
1. INSTALL TRAFFIC CONTROL AND EROSION AND SEDIMENT CONTROL DEVICES, AS SHOWN ON THE PLANS. MAINTAIN VEHICLE DETOUR DURING MILL AND OVERLAY.
 2. INSTALL PHASE 3 TRAFFIC CONTROL PER TA-21 AND TA-23.
 3. MILL AND OVERLAY PAVEMENT WITHIN PHASE 3 PROJECT AREA, AS SHOWN ON THE PLANS. MAINTAIN PEDESTRIAN ACCESS AT TATNALL ST. AND ORANGE ST. USING FLAGGERS.
 4. INSTALL FINAL PAVEMENT MARKINGS.
 5. STABILIZE ALL DISTURBED AREAS PRIOR TO MOVING TO THE NEXT PHASE.
 6. REMOVE VEHICLE DETOUR
 7. REMOVE INLET SEDIMENT CONTROLS BETWEEN TATNALL STREET AND ORANGE STREET.

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McCORMICK TAYLOR

ADDENDA / REVISIONS

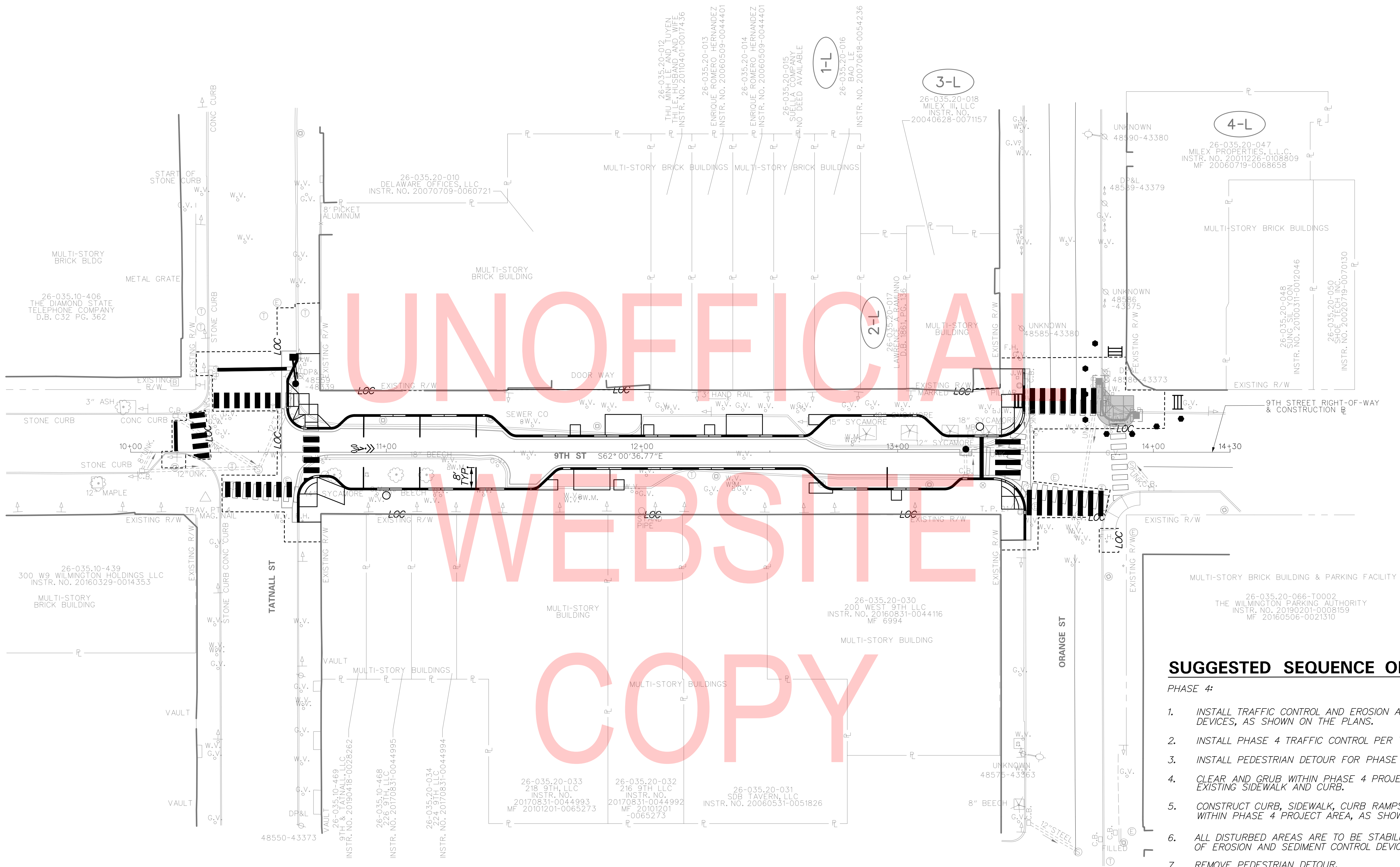
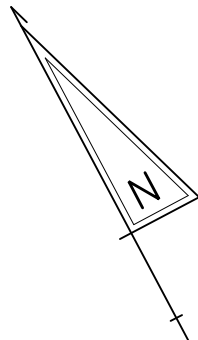


9TH STREET ENHANCEMENTS, PHASE II

CONTRACT	BRIDGE NO.	NA
T201620013	DESIGNED BY:	F. ATIQUE
COUNTY	CHECKED BY:	S. RUKOWICZ
NEW CASTLE		

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

CS-04
SECTION
McT
SHEET NO.
16



SUGGESTED SEQUENCE OF CONSTRUCTION

- PHASE 4:**
1. INSTALL TRAFFIC CONTROL AND EROSION AND SEDIMENT CONTROL DEVICES, AS SHOWN ON THE PLANS.
 2. INSTALL PHASE 4 TRAFFIC CONTROL PER TA-21 AND TA-23.
 3. INSTALL PEDESTRIAN DETOUR FOR PHASE 4 PER TA-29.
 4. CLEAR AND GRUB WITHIN PHASE 4 PROJECT AREA. REMOVE EXISTING SIDEWALK AND CURB.
 5. CONSTRUCT CURB, SIDEWALK, CURB RAMPS, AND PATCH PAVEMENT WITHIN PHASE 4 PROJECT AREA, AS SHOWN ON THE PLANS.
 6. ALL DISTURBED AREAS ARE TO BE STABILIZED PRIOR TO REMOVAL OF EROSION AND SEDIMENT CONTROL DEVICES.
 7. REMOVE PEDESTRIAN DETOUR.
 8. REMOVE INLET SEDIMENT CONTROLS.

- NOTES:**
1. CONTRACTOR SHALL REMOVE ONLY THE AMOUNT OF CURB AND SIDEWALK THAT CAN BE FILLED IN AT THE END OF THE DAY AND COVERED WITH TEMPORARY PEDESTRIAN PATHS, IN ORDER TO MAINTAIN ACCESS FOR PROPERTY OWNERS IN PHASE 4 WORK AREA. PAYMENT FOR PATHWAYS SHALL BE INCIDENTAL TO ITEM 801000 - MAINTENANCE OF TRAFFIC.

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McCormick TAYLOR

ADDENDA / REVISIONS



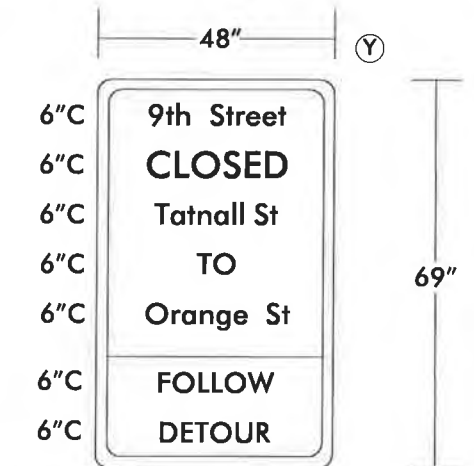
9TH STREET ENHANCEMENTS, PHASE II

CONTRACT	BRIDGE NO.	NA
T201620013	DESIGNED BY:	F. ATIQUE
COUNTY	CHECKED BY:	S. RUKOWICZ
NEW CASTLE		

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN - PHASE 4
SECTION
McT
SHEET NO.
17

CS-05

SPECIAL SIGNS



D/G RETROREFLECTIVE ORANGE
BLACK LEGEND



D/G RETROREFLECTIVE ORANGE
BLACK LEGEND

NOTES

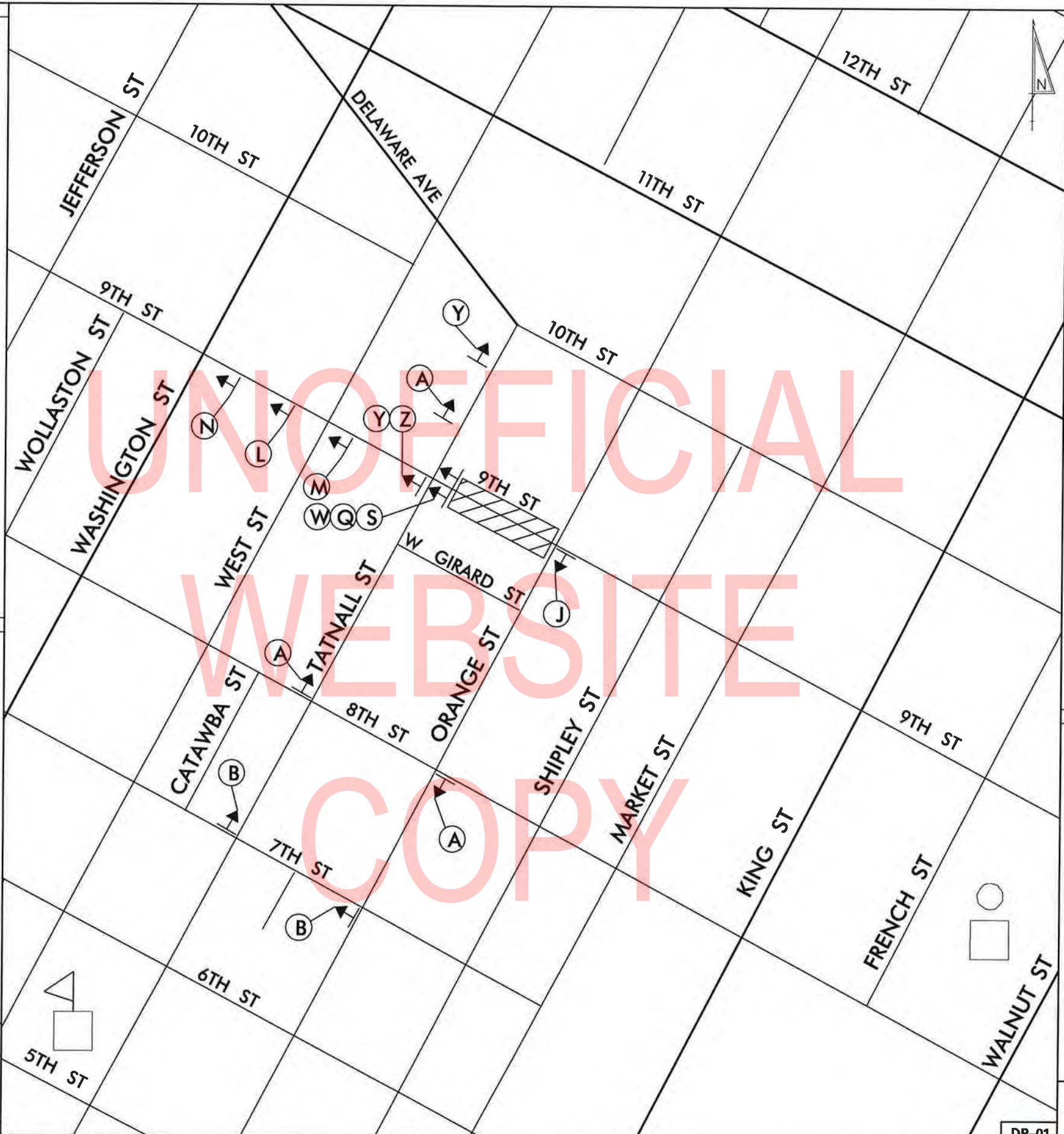
1. DISPLAY (Y) AT CLOSURE POINT LOCATION FOR 10 DAYS PRIOR TO IMPLEMENTATION OF DETOUR.
2. (Z) PLAQUE TO COMPLETELY COVER "FOLLOW DETOUR" LEGEND ON (Y) SIGN.
3. UPON IMPLEMENTATION OF DETOUR, REMOVE (Z) PLAQUE FROM (Y) SIGN AND RELOCATE (Y) SIGN TO LOCATIONS OUTSIDE OF CLOSURE AREA.

LEGEND

(A) DETOUR M4-9-DE	(B) DETOUR M4-9	(C) DETOUR M4-9	(D) DETOUR M4-9	(E) DETOUR M4-9
(F) DETOUR M4-9	(G) DETOUR M4-9	(H) DETOUR M4-9	(I) DETOUR M4-9	(J) END DETOUR M4-8a
(K) DETOUR AHEAD W20-2	(L) DETOUR 1000 FT W20-2	(M) DETOUR 500 FT W20-2		
(N) ROAD CLOSED AHEAD W20-3	(O) ROAD CLOSED 1000 FT W20-3	(P) ROAD CLOSED 500 FT W20-3		
(Q) ROAD CLOSED R11-2	(R) DETOUR M4-10(I)	(S) DETOUR M4-10(I)		
(T) ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY R11-3a	(U) BRIDGE OUT XX MILES AHEAD LOCAL TRAFFIC ONLY R11-3b	(V) ROAD CLOSED THRU TRAFFIC R11-4		
(W) BARRICADE	(X) BARRICADE			

GENERAL NOTES

1. ALL TEMPORARY TRAFFIC CONTROL DEVICES ARE TO BE SUPPLIED AND MAINTAINED BY THE GENERAL CONTRACTOR AND SHALL BE IN COMPLIANCE WITH THIS PLAN AND THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (DE MUTCD) LATEST EDITION.
2. SIGNS "N" THROUGH "Q" AND "T" AND "V", THE WORD "ROAD" SHALL BE CHANGED TO "RAMP", "RR XING" OR "BRIDGE" WHERE APPLICABLE.
3. "W" TYPE 3 BARRICADES AT A ROAD CLOSURE SHALL BE PLACED COMPLETELY ACROSS THE ROADWAY, FROM CURB TO CURB, OR FROM EDGE OF ROAD TO EDGE OF ROAD, WITH THE STRIPES POSITIONED DOWNWARD TOWARD THE CENTER OF THE ROADWAY.
4. BARRICADES SHALL BE A MINIMUM OF 6 FEET WIDE UNLESS DIRECTED BY THE ENGINEER.



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McCORMICK TAYLOR

PREPARED BY
McCORMICK TAYLOR

DATE
 10/08/19



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

ADDENDA / REVISIONS

NOT TO SCALE

9TH STREET ENHANCEMENTS, PHASE II

CONTRACT	PERMIT NO.	X
T201620013	DESIGNED BY:	F. ATIQUE
COUNTY	CHECKED BY:	S. RUKOWICZ
NEW CASTLE		

DETOUR PLAN-VEHICULAR
9TH STREET BETWEEN TATNALL ST AND ORANGE ST

SECTION
 McT
 SHEET NO.
 18

DP-01

CONCURRENCE FOR IMPLEMENTATION

 DATE
 10-28-19

SPECIAL SIGNS

SPECIAL NOTES

LEGEND

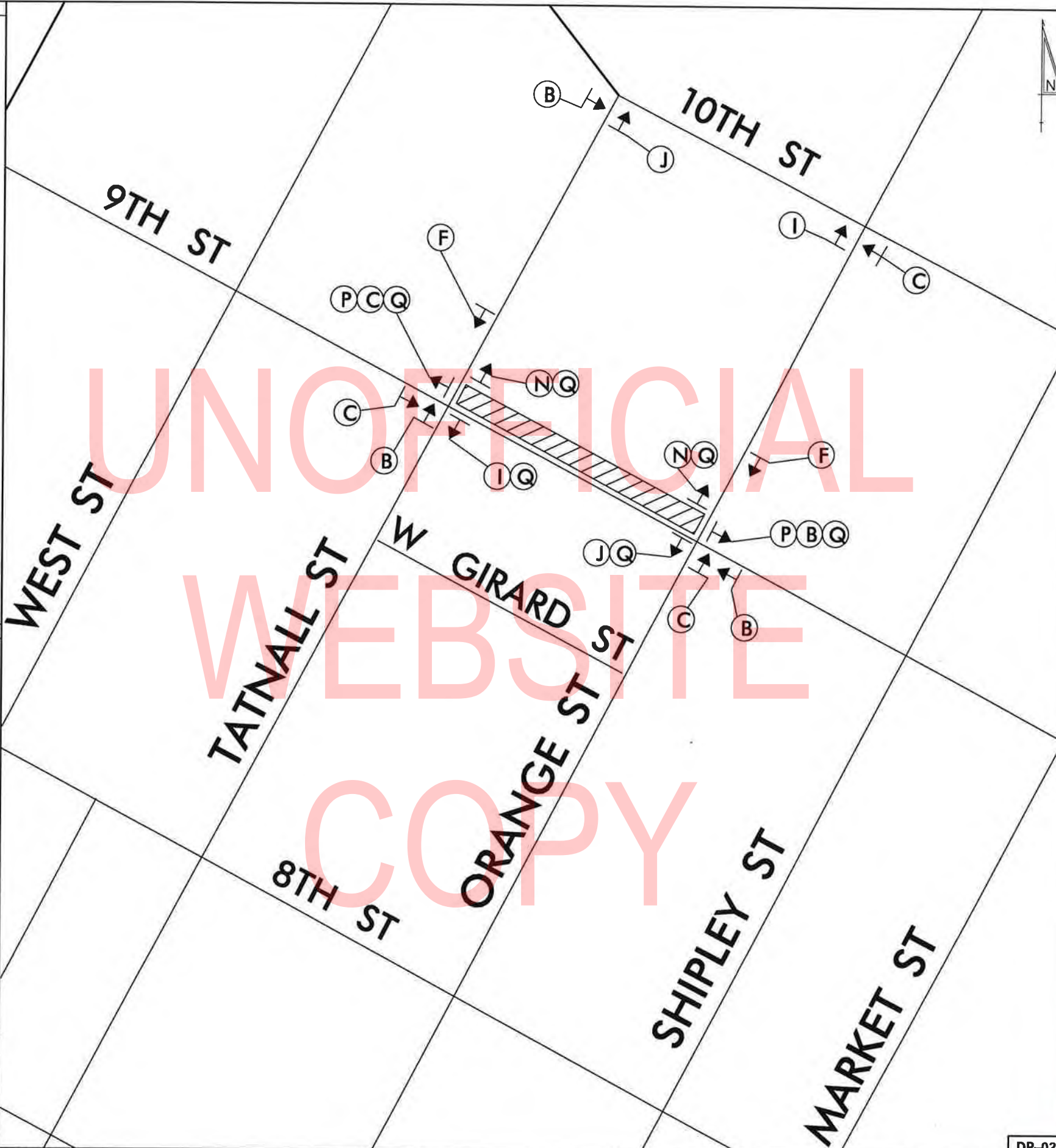
A 9" x 12" PEDESTRIAN CROSSWALK
B 9" x 12" PEDESTRIAN CROSSWALK WITH ARROW
C 9" x 12" PEDESTRIAN CROSSWALK WITH ARROW AND CROSS HERE
D 9" x 12" PEDESTRIAN CROSSWALK WITH ARROW AND CROSS HERE (MODIFIED)
E 9" x 12" PEDESTRIAN CROSSWALK WITH ARROW AND CROSS HERE (MODIFIED)
F 9" x 12" END DETOUR
G PEDESTRIAN CROSSWALK (R9-8)
H CROSSWALK CLOSED USE OTHER SIDE (R9-10)
I SIDEWALK CLOSED AHEAD CROSS HERE (R9-11(L))
J SIDEWALK CLOSED AHEAD CROSS HERE (R9-11(R))
K SIDEWALK CLOSED CROSS HERE (R9-11a(L))
L SIDEWALK CLOSED CROSS HERE (R9-11a(R))
M SIDEWALK CLOSED AHEAD (R9-9(MOD))
N SIDEWALK CLOSED (R9-9)
O CROSSWALK CLOSED AHEAD (R9-9(MOD))
P CROSSWALK CLOSED (R9-9(MOD))
Q BARRICADE (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.
- SIGNS "N" THROUGH "Q" AND "T" AND "V", THE WORD "ROAD" SHALL BE CHANGED TO "RAMP", "RR XING" OR "BRIDGE" WHERE APPLICABLE.
- "W" TYPE 3 BARRICADES AT A ROAD CLOSURE SHALL BE PLACED COMPLETELY ACROSS THE ROADWAY, FROM CURB TO CURB, OR FROM EDGE OF ROAD TO EDGE OF ROAD, WITH THE STRIPES POSITIONED DOWNWARD TOWARD THE CENTER OF THE ROADWAY.
- BARRICADES SHALL BE A MINIMUM OF 6 FEET WIDE UNLESS DIRECTED BY THE ENGINEER.

CONCURRENCE FOR IMPLEMENTATION

Michael A. Magy 10-31-19



10/29/2019 9:23:08 AM ...:Roadway_DP02_9th Street.dgn
McCORMICK TAYLOR

PREPARED BY
McCORMICK TAYLOR



THIS SEAL APPLIES TO ALL SHEETS BEARING THE "McT" SECTION DESIGNATION. DATE 10/29/19

ADDENDA / REVISIONS

NOT TO SCALE

9TH STREET ENHANCEMENTS, PHASE II

CONTRACT T201620013 COUNTY NEW CASTLE

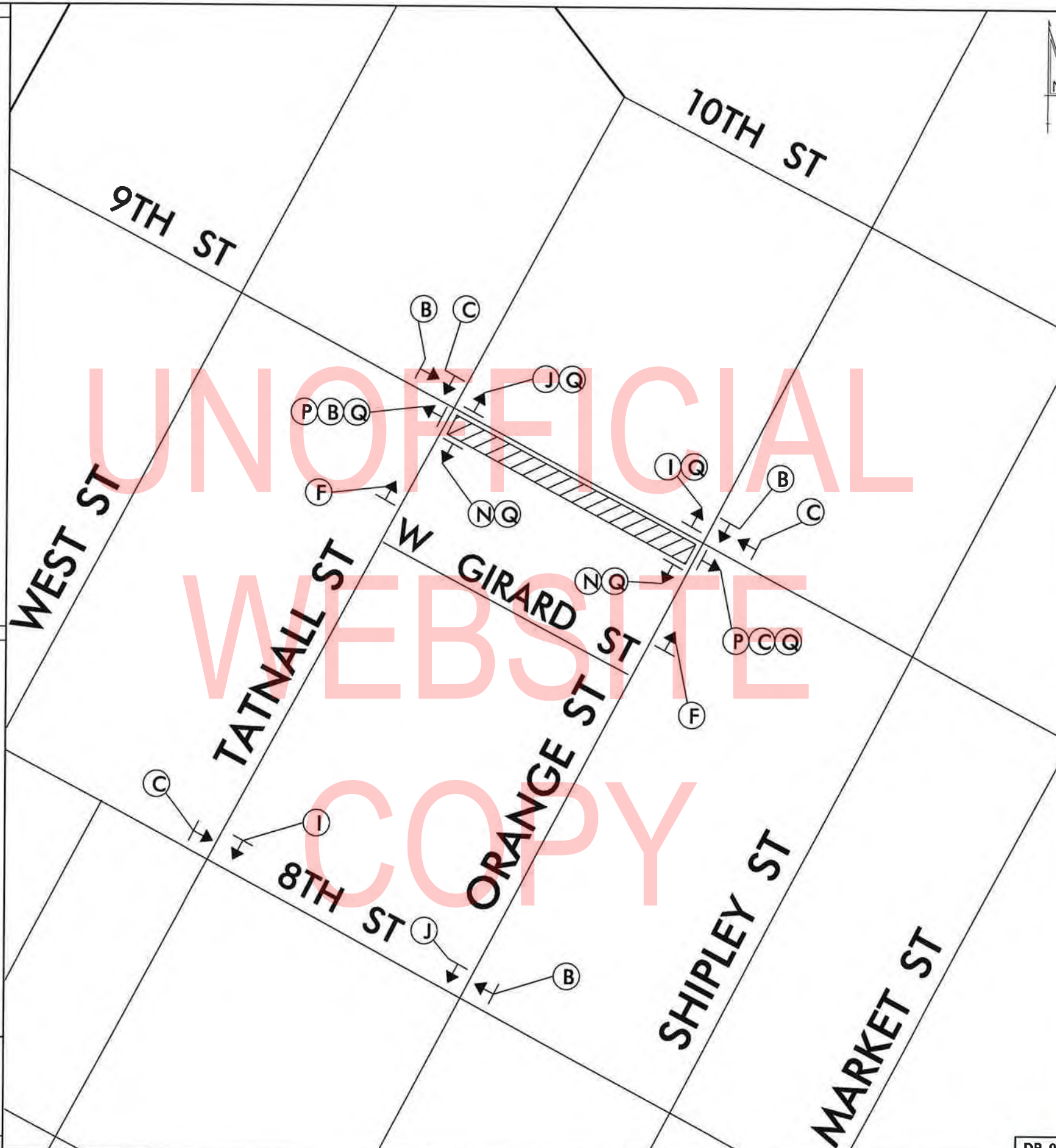
PERMIT NO. X DESIGNED BY: F. ATIQUE CHECKED BY: S. RUKOWICZ

PEDESTRIAN DETOUR PLAN PHASE 1

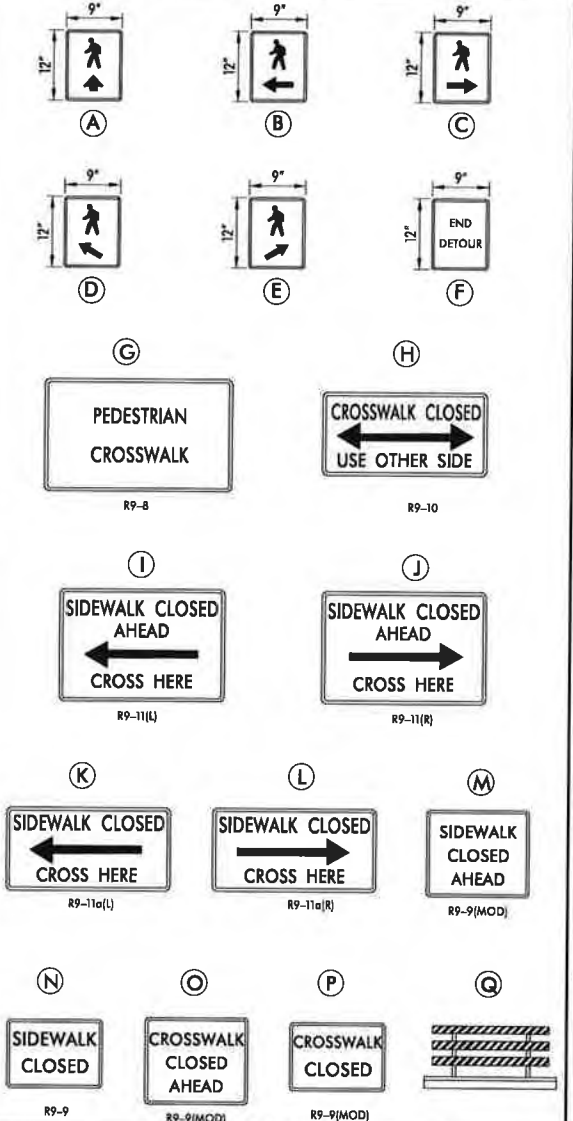
SECTION McT SHEET NO. 19

SPECIAL SIGNS

SPECIAL NOTES



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 (DMUTCD) LATEST EDITION.
- SIGNS "N" THROUGH "Q" AND "T" AND "V", THE WORD "ROAD" SHALL BE CHANGED TO "RAMP", "RR XING" OR "BRIDGE" WHERE APPLICABLE.
- "W" TYPE 3 BARRICADES AT A ROAD CLOSURE SHALL BE PLACED COMPLETELY ACROSS THE ROADWAY, FROM CURB TO CURB, OR FROM EDGE OF ROAD TO EDGE OF ROAD, WITH THE STRIPES POSITIONED DOWNWARD TOWARD THE CENTER OF THE ROADWAY.
- BARRICADES SHALL BE A MINIMUM OF 6 FEET WIDE UNLESS DIRECTED BY THE ENGINEER.

CONCURRENCE FOR IMPLEMENTATION

Signature 10-31-19

PREPARED BY
McCormick Taylor



10/29/19
DATE

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

SEAL

ADDENDA / REVISIONS

NOT TO SCALE

9TH STREET ENHANCEMENTS,
PHASE II

CONTRACT	PERMIT NO.	X
T201620013	DESIGNED BY:	F. ATIQUE
COUNTY	CHECKED BY:	S. RUKOWICZ
NEW CASTLE		

PEDESTRIAN DETOUR PLAN
PHASE 2

SECTION	McT
SHEET NO.	20


DP-03

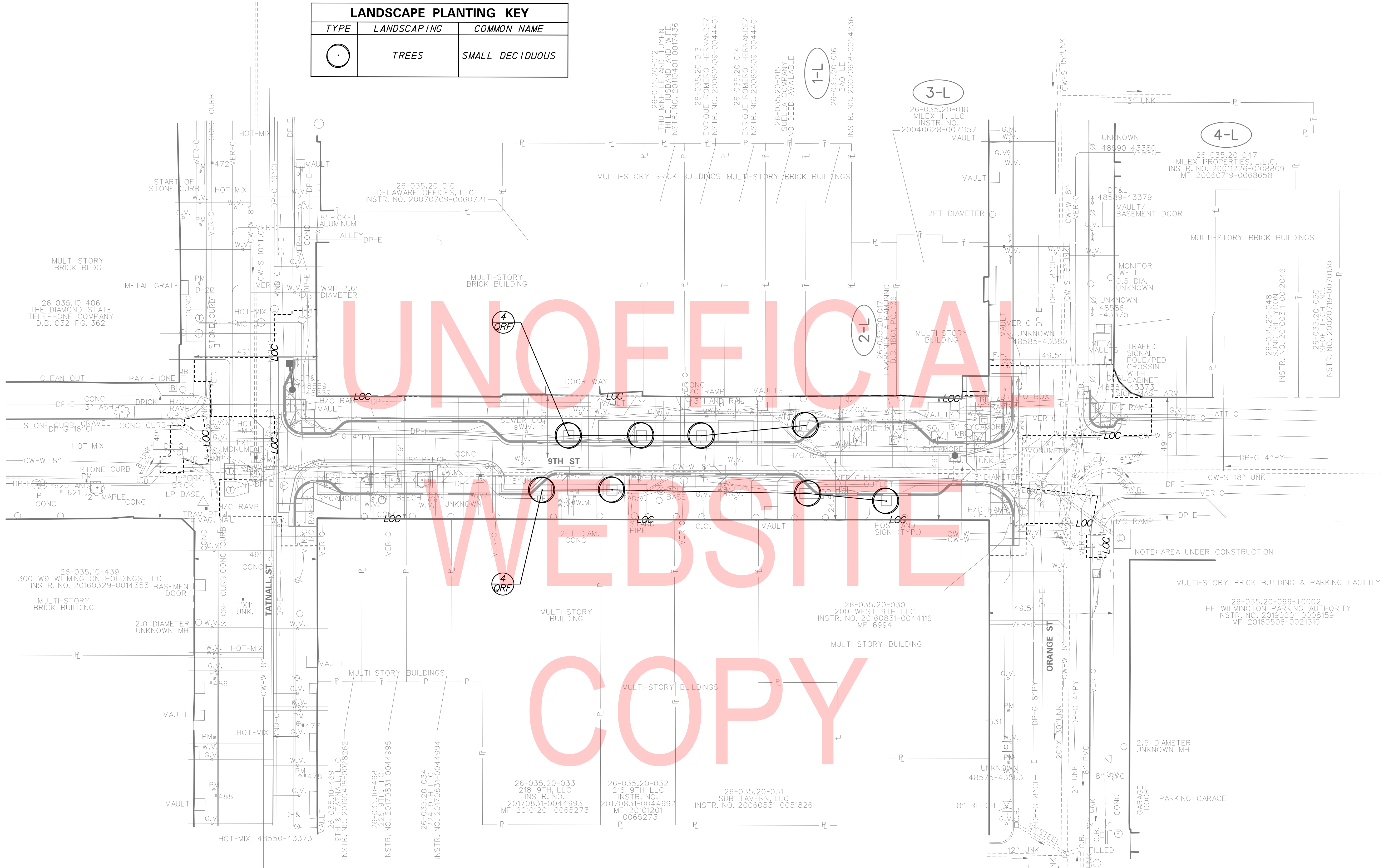
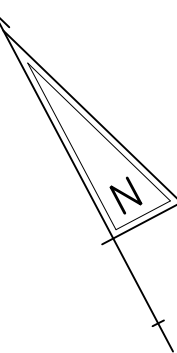
TRAFFIC SAFETY

DATE

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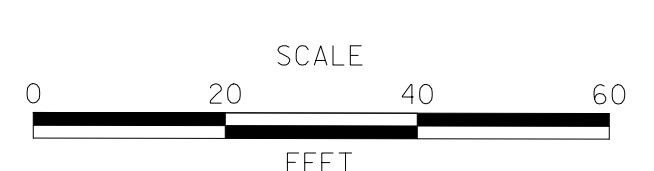
LANDSCAPE PLANTING KEY		
TYPE	LANDSCAPING	COMMON NAME
	TREES	SMALL DECIDUOUS



LANDSCAPE PLANTING SCHEDULE				
I. D.	PLANTING DESCRIPTION	QUANTITY	CALIPER	CONDITION
QRF	QUERCUS ROBUR FASTIGRATA (UPRIGHT ENGLISH OAK)	8	4"	B&B

- NOTE:
- INSTALL SHREDDED HARDWOOD BARK MULCH IN THE TREE PITS FLUSH WITH THE TOP OF THE SIDEWALK SURFACE.

ADDENDA / REVISIONS



9TH STREET ENHANCEMENTS, PHASE II

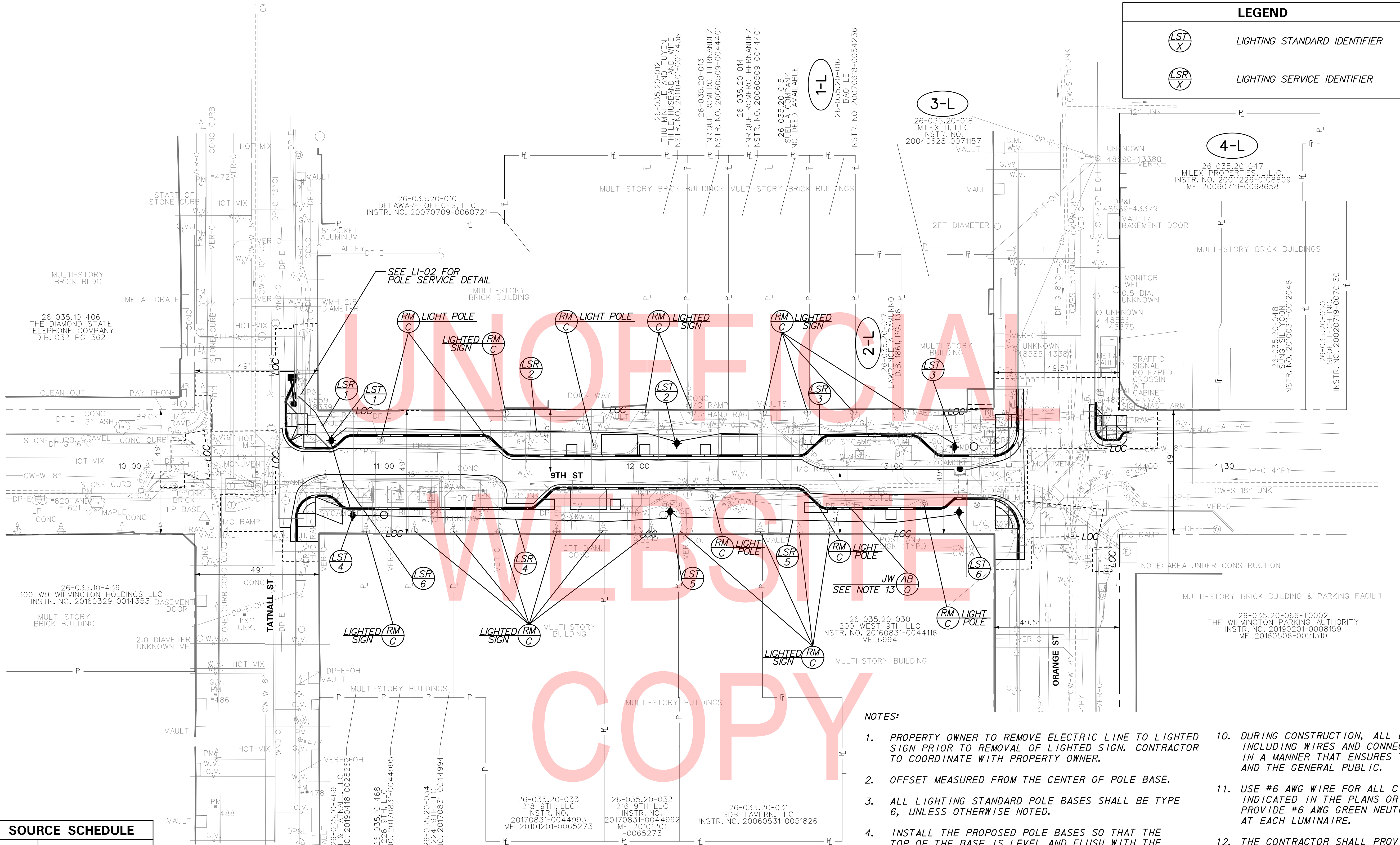
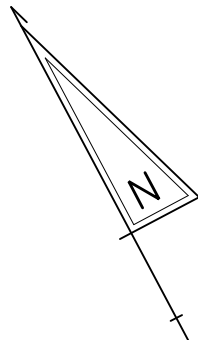
CONTRACT	BRIDGE NO.	N/A
T201620013	DESIGNED BY:	F. ATIQUE
COUNTY	CHECKED BY:	S. RUKOWICZ
NEW CASTLE		

LANDSCAPING PLAN
SECTION
McT
SHEET NO.
21

LS-01



LEGEND	
	LIGHTING STANDARD IDENTIFIER
	LIGHTING SERVICE IDENTIFIER



POWER SOURCE SCHEDULE		
STA.	OFFSET	DESCRIPTION
10+66 LT	30'	DP&L 48559-48339

LIGHTING SERVICE SCHEDULE			
SERVICE RUN	DISTANCE (L.F.)	DESCRIPTION	INSTALLATION
1	22'	4" SCHEDULE 80 PVC-TRENCH	2 #6 + 1 #6G
2	133'	4" SCHEDULE 80 PVC-TRENCH	2 #6 + 1 #6G
3	137'	4" SCHEDULE 80 PVC-TRENCH	2 #6 + 1 #6G
4	129'	4" SCHEDULE 80 PVC-TRENCH	2 #6 + 1 #6G
5	127'	4" SCHEDULE 80 PVC-TRENCH	2 #6 + 1 #6G
6	35'	4" SCHEDULE 80 PVC-OPEN CUT	2 #6 + 1 #6G

LIGHTING STANDARD SCHEDULE					
NO.	CIRCUIT NO.	STATION	OFFSET	ARM	LIGHT STANDARD
1	-	10+79.26	-12.38	-	150 WATT HPS LED LUMINAIRE
2	-	12+15.23	-11.31	-	150 WATT HPS LED LUMINAIRE
3	-	13+24.42	-9.83	-	150 WATT HPS LED LUMINAIRE
4	-	10+87.73	17.00	-	150 WATT HPS LED LUMINAIRE
5	-	12+12.59	15.59	-	150 WATT HPS LED LUMINAIRE
6	-	13+26.29	15.82	-	150 WATT HPS LED LUMINAIRE

- NOTES:**
- PROPERTY OWNER TO REMOVE ELECTRIC LINE TO LIGHTED SIGN PRIOR TO REMOVAL OF LIGHTED SIGN. CONTRACTOR TO COORDINATE WITH PROPERTY OWNER.
 - OFFSET MEASURED FROM THE CENTER OF POLE BASE.
 - ALL LIGHTING STANDARD POLE BASES SHALL BE TYPE 6, UNLESS OTHERWISE NOTED.
 - INSTALL THE PROPOSED POLE BASES SO THAT THE TOP OF THE BASE IS LEVEL AND FLUSH WITH THE FINISHED GRADE.
 - ELECTRIC SERVICE TO BE OBTAINED BY THE CITY OF WILMINGTON.
 - CONSTRUCTION DETAILS NOT SHOWN ON THE DRAWINGS ARE TO CONFORM TO THE DELDOT STANDARD.
 - THE STANDARD SPECIFICATIONS FOR THIS PROJECT ARE DELDOT SPECIFICATIONS.
 - PROVIDE WATERTIGHT, SUBMERSIBLE, PREMOLDED, DISCONNECTIBLE, CONNECTOR KITS FOR ALL SPLICES.
 - PROVIDE INDIVIDUAL FUSING FOR ALL LUMINAIRES.
 - DURING CONSTRUCTION, ALL ELECTRICAL SYSTEMS INCLUDING WIRES AND CONNECTIONS TO BE PROTECTED IN A MANNER THAT ENSURES THE SAFETY OF WORKERS AND THE GENERAL PUBLIC.
 - USE #6 AWG WIRE FOR ALL CIRCUITS UNLESS INDICATED IN THE PLANS OR BY THE ENGINEER. PROVIDE #6 AWG GREEN NEUTRAL WIRE TO TERMINATE AT EACH LUMINAIRE.
 - THE CONTRACTOR SHALL PROVIDE FOUR SETS OF RED-LINED AS-BUILT TO THE ENGINEER SHOWING STATIONS AND OFFSETS FROM THE CENTERLINE OF THE ROAD AND DEPTH OF THE CONDUIT (EVERY 25') FROM CENTERLINE OF THE ROAD. COST IS INCIDENTAL TO LIGHTING ITEMS.
 - THE CONTRACTOR SHALL CONTACT DP&L TO DE-ENERGIZE SECONDARY SERVICE AND REMOVE CABLES FROM THE CONDUITS. AFTER THE JUNCTION WELL IS ABANDONED BY DP&L, THE CONTRACTOR SHALL REMOVE THE PORTION OF THE JUNCTION WELL IN CONFLICT WITH THE PROPOSED CURB AND PAVEMENT. PAYMENT COVERED UNDER ITEM 830010 - REMOVAL OF EXISTING JUNCTION WELL.

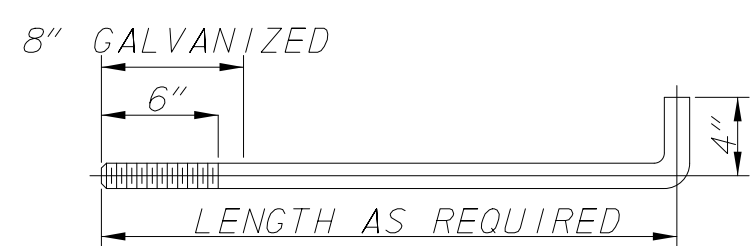


9TH STREET ENHANCEMENTS, PHASE II

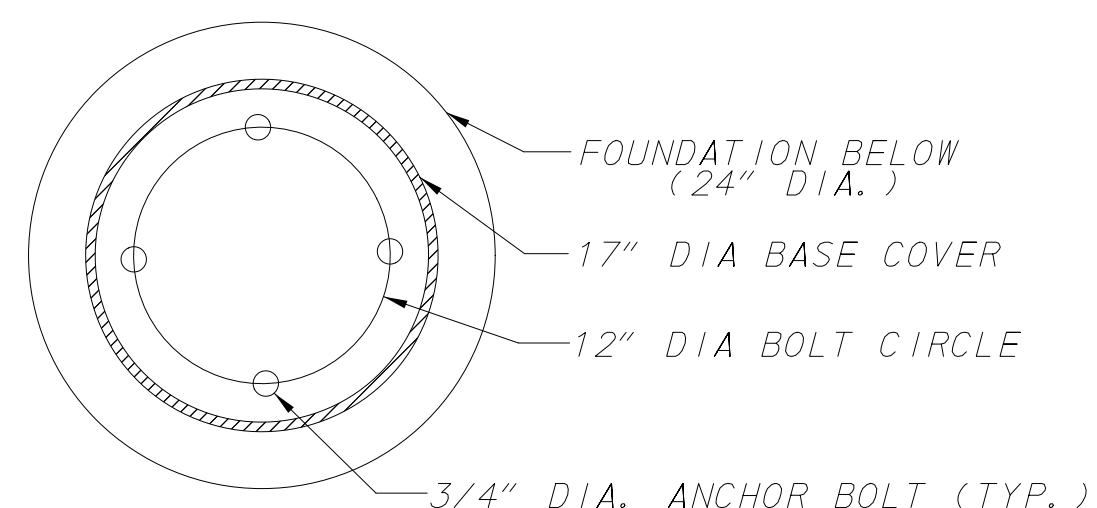
CONTRACT	BRIDGE NO.	NA
T201620013	DESIGNED BY: T. SMITH	
COUNTY	CHECKED BY: D. HEHMAN	
NEW CASTLE		

LIGHTING PLAN

LI-01	SECTION
	McT
	SHEET NO.
	22



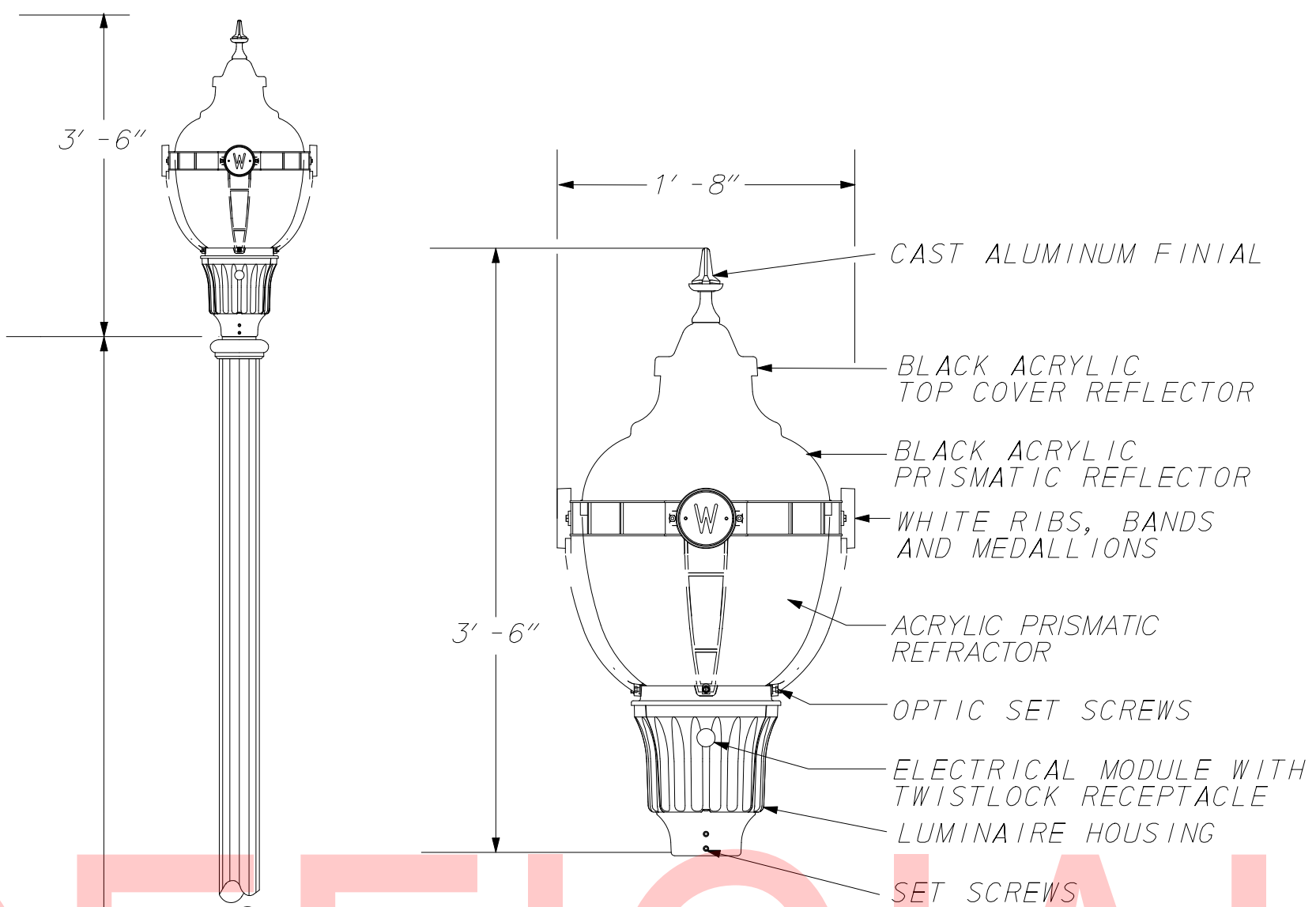
ANCHOR BOLT DETAIL



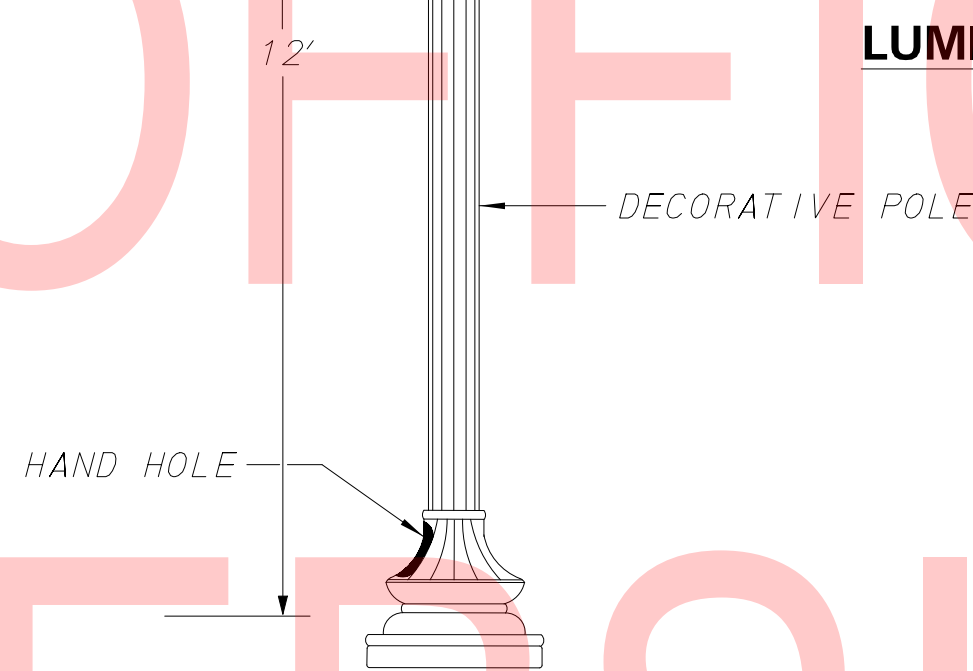
POLE BASE BOLT PATTERN

LIGHT POLE FOUNDATION

ITEM 834006
NOT TO SCALE



LUMINAIRE DETAILS



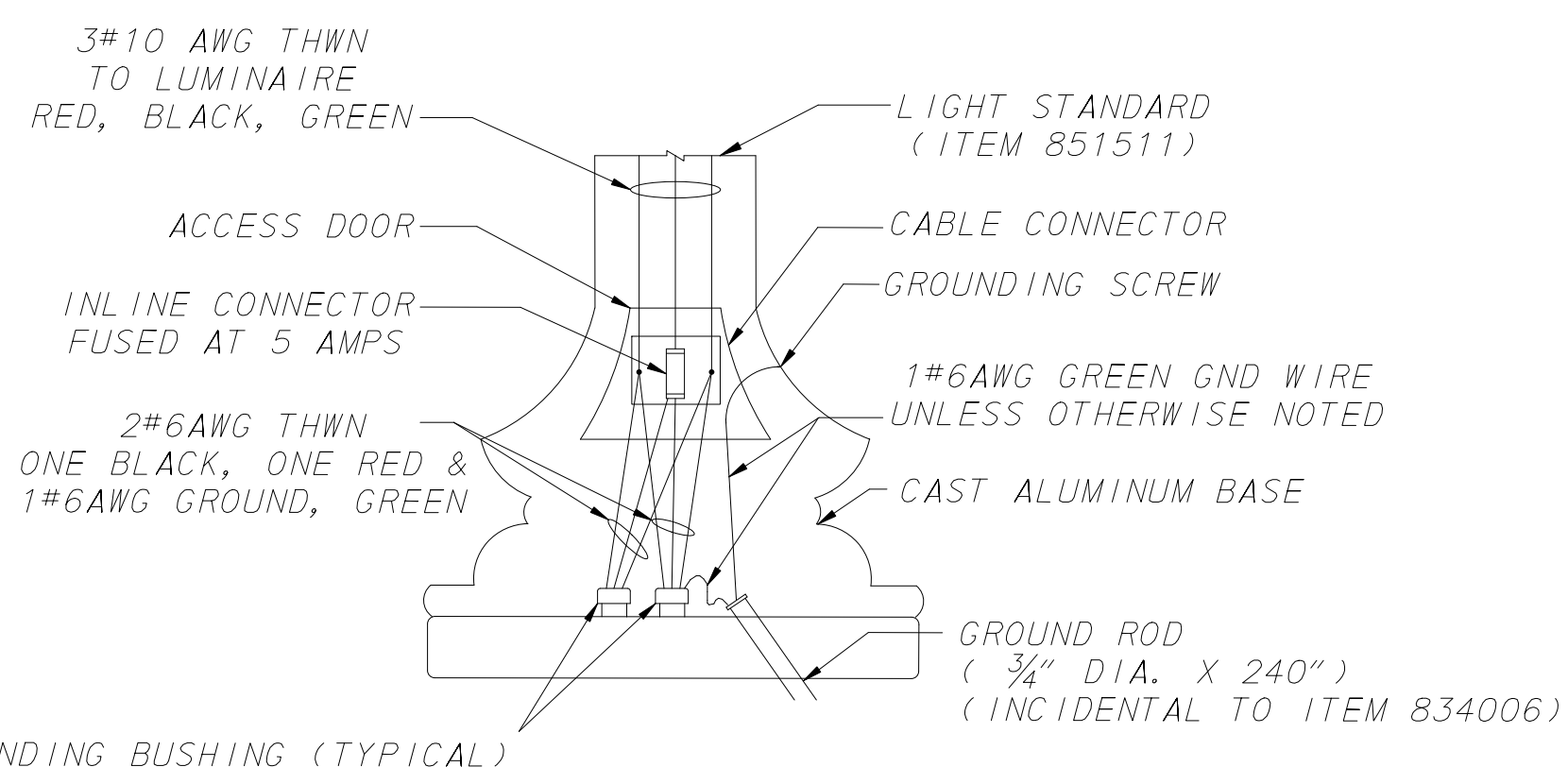
LIGHTING STANDARD

ITEM 851511
NOT TO SCALE

NOTES:

- CONSTRUCTION DETAILS NOT SHOWN ON THE DRAWINGS ARE TO CONFORM TO THE DELDOT STANDARDS.
- THE STANDARD SPECIFICATIONS FOR THIS PROJECT ARE DELDOT SPECIFICATIONS.
- PROVIDE WATERTIGHT, SUBMERSIBLE, PREMOLDED, DISCONNECTIBLE, CONNECTOR KITS FOR ALL SPLICES.
- PROVIDE INDIVIDUAL FUSING FOR ALL LUMINAIRES.
- DURING CONSTRUCTION, ALL ELECTRICAL SYSTEMS INCLUDING WIRES AND CONNECTIONS TO BE PROTECTED IN A MANNER THAT ENSURES THE SAFETY OF WORKERS AND THE GENERAL PUBLIC.
- PRIOR TO CLOSING ANY LANES, THE CONTRACTOR WITHIN THE PROJECT LIMITS SHALL PERFORM AN INSPECTION OF THE EXISTING LIGHTING SYSTEM TO INSURE PROPER FUNCTIONING OF THE SYSTEM.
- USE #6 AWG WIRE FOR ALL CIRCUITS UNLESS INDICATED IN THE PLANS OR BY THE ENGINEER. PROVIDE #6 AWG GREEN NEUTRAL WIRE TO TERMINATE AT EACH LUMINAIRE.
- THE CONTRACTOR SHALL PROVIDE FOUR SETS OF RED-LINED AS-BUILT PLANS TO THE ENGINEER SHOWING OFFSETS FROM THE CENTERLINE OF THE ROAD AND DEPTH OF THE CONDUIT FROM CENTERLINE OF ROAD. COST IS INCIDENTAL TO LIGHTING ITEMS.
- SERVICE IS OBTAINED FROM DELMARVA POLE 48559-48339.

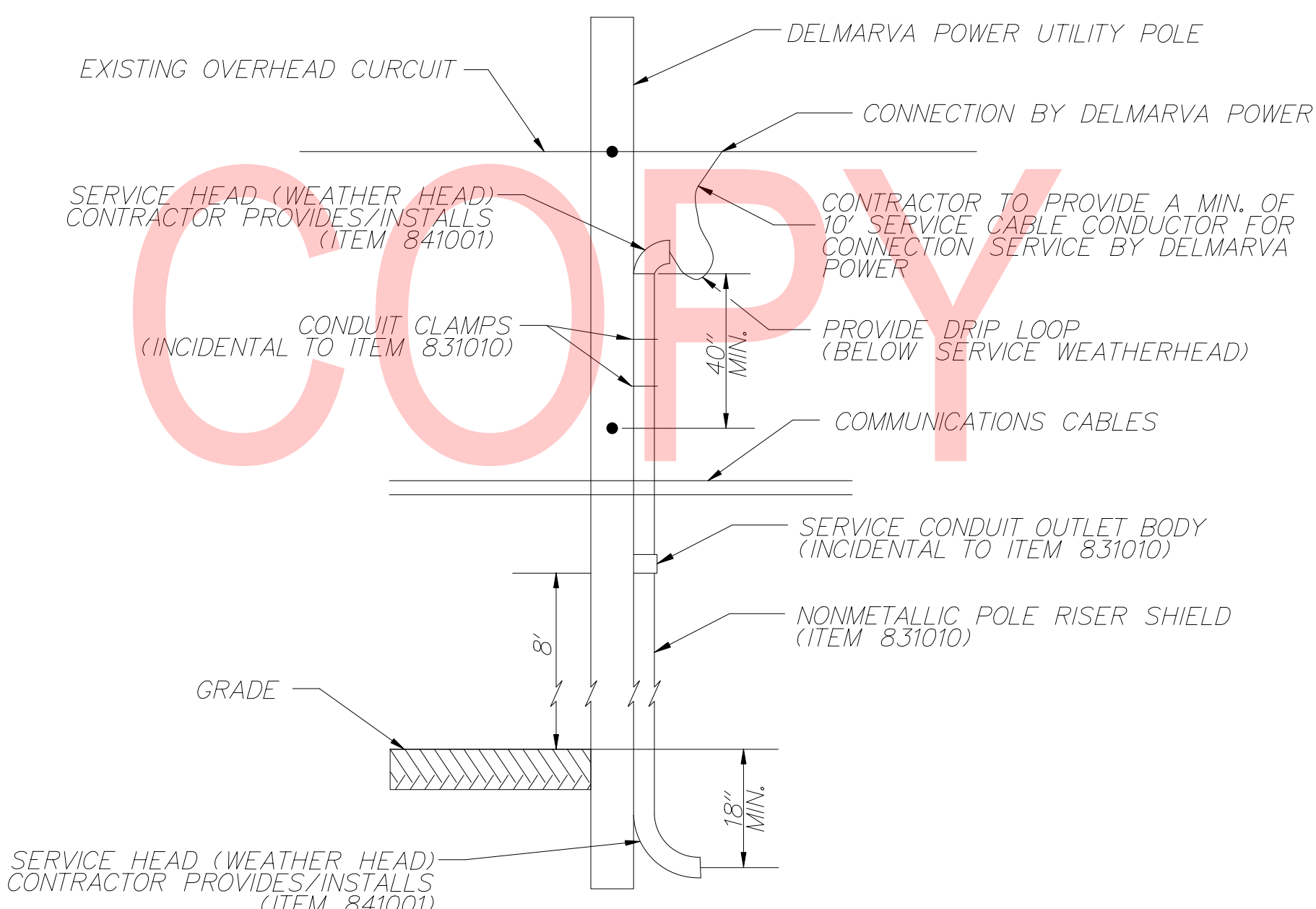
UNOFFICIAL
WEBSITE



TYPICAL LUMINAIRE CONNECTION

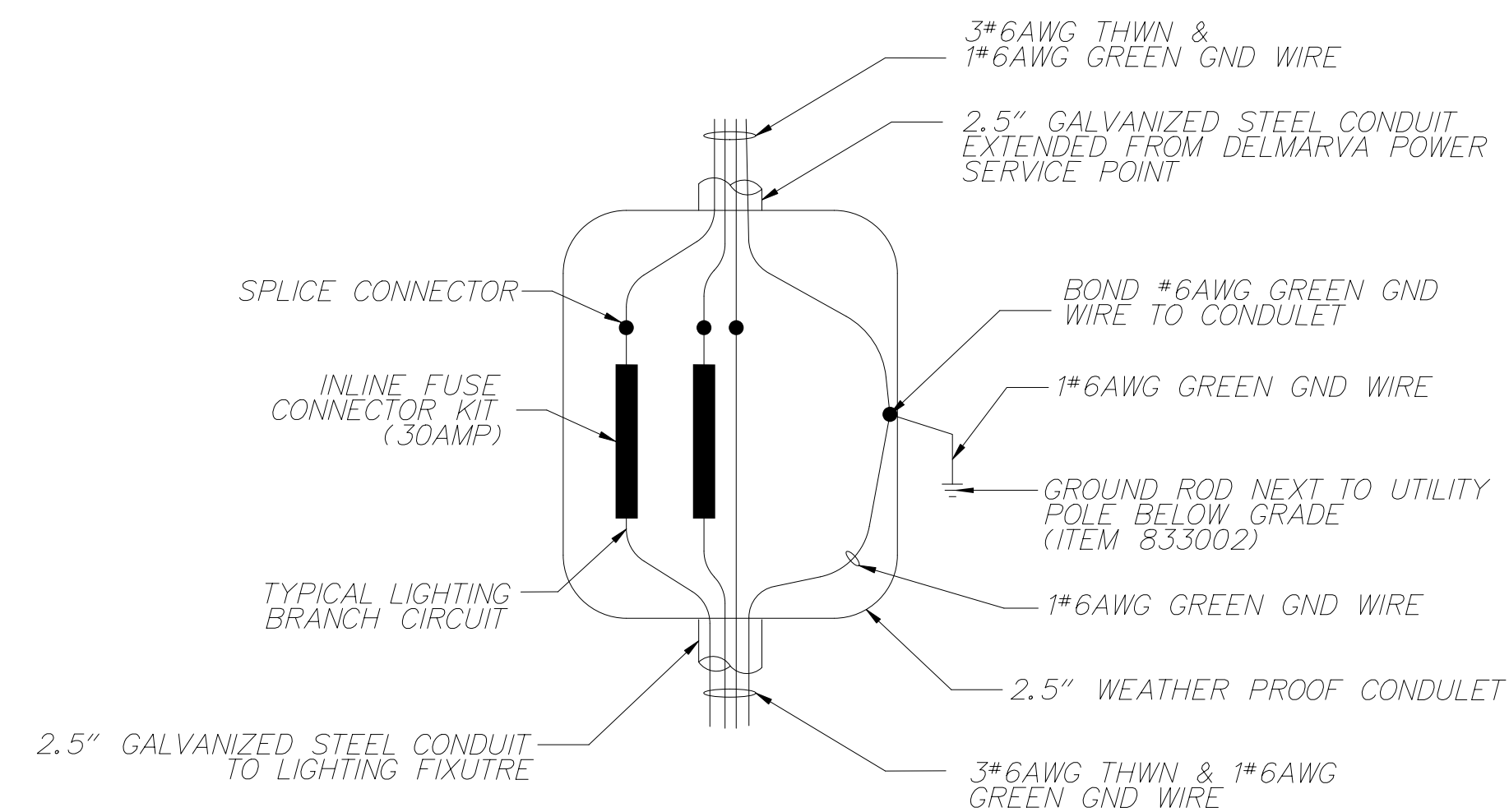
NOT TO SCALE

NOTE:
ALL LIGHTING STANDARD SHALL BE INSTALLED ON DELDOT STANDARD POLE BASE, TYPE 6.



POLE SERVICE DETAIL

NOT TO SCALE



SERVICE CONDUIT OUTLET BODY

NOT TO SCALE

NOTE:
GENERIC WIRING DIAGRAM SHOWN. THE CONTRACTOR SHALL COORDINATE WITH DELMARVA POWER TO DETERMINE THE NUMBER AND VOLTAGE OF OVERHEAD LIGHTING CIRCUITS AVAILABLE TO PROVIDE POWER FOR DECORATIVE LIGHT POLES. THE CONTRACTOR SHALL INSTALL FOUR CONDUCTORS TO PROVIDE TWO HOTS, ONE NEUTRAL, AND ONE GROUND TO THE LIGHTING JUNCTION WELL CLOSEST TO THE UTILITY POLE. IF ONLY ONE CIRCUIT IS AVAILABLE OR REQUIRED, THE SPARE CONDUCTOR SHALL BE COILED, SECURED AND LEFT FOR FUTURE USE.

ADDENDA / REVISIONS

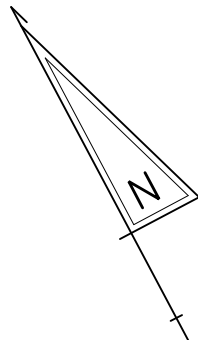
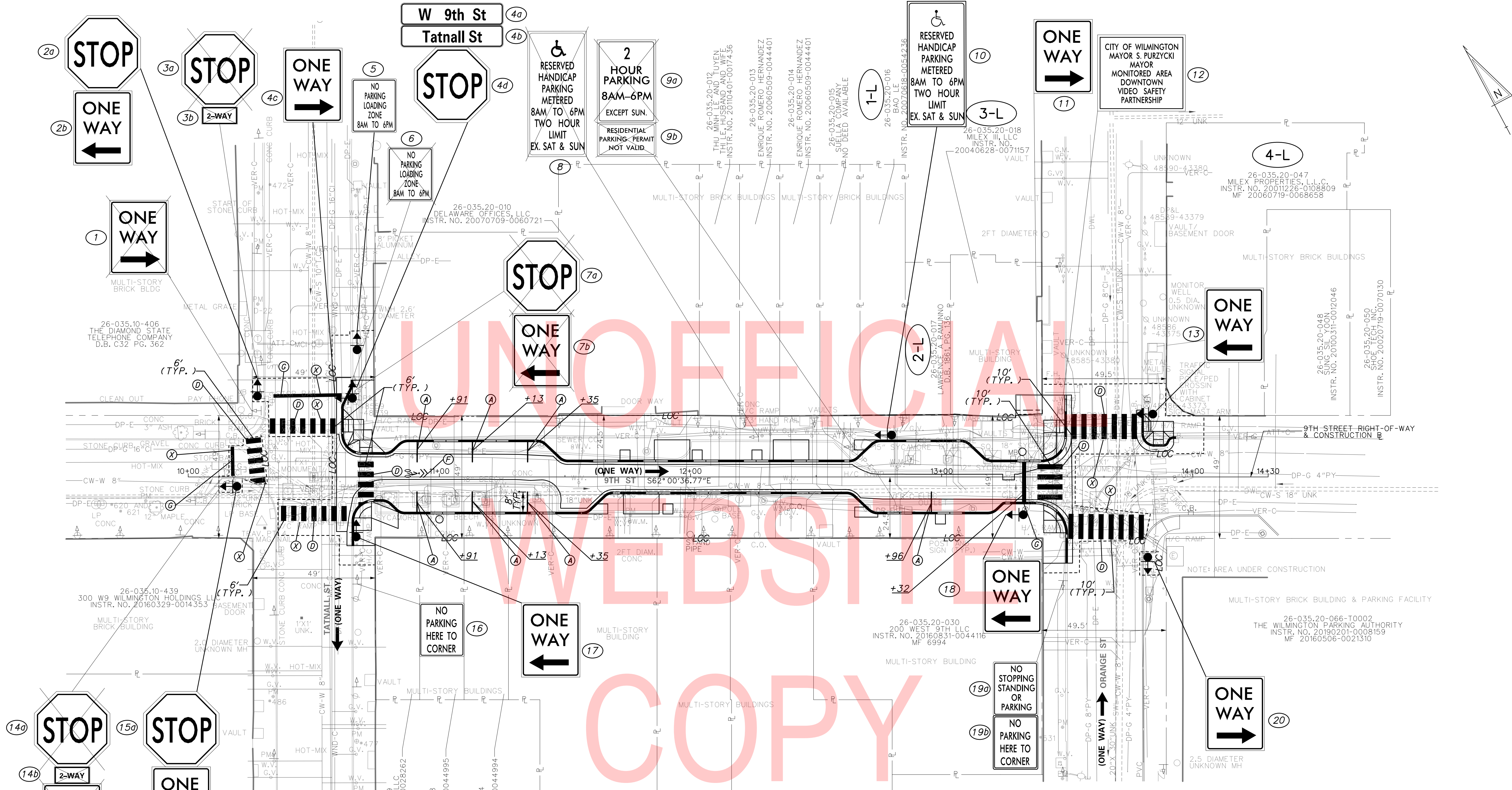
NOT TO SCALE

9TH STREET ENHANCEMENTS,
PHASE II

CONTRACT	BRIDGE NO.	N/A
T201620013	DESIGNED BY:	T. SMITH
COUNTY	CHECKED BY:	D. HEHMAN
NEW CASTLE		

LIGHTING PLAN

LI-02
SECTION
McT
SHEET NO.
23



PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	PERMANENT PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE 5" SOLID (ITEM 817013)	56 LF
(D)	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND, ALKYD-THERMOPLASTIC, 24" WHITE (ITEM 817002)	656 SF
(F)	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND, ALKYD-THERMOPLASTIC, SHARED LANE MARKING (ITEM 817015)	1 EACH
(G)	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND, ALKYD-THERMOPLASTIC, 16" WHITE (ITEM 817002)	74 SF
(X)	REMOVAL OF PAVEMENT STRIPING (ITEM 817031)	458 SF

ADDENDA / REVISIONS



9TH STREET ENHANCEMENTS, PHASE II

CONTRACT	T201620013	BRIDGE NO.	N/A
COUNTY	NEW CASTLE	DESIGNED BY:	F. ATIQUE
		CHECKED BY:	S. RUKOWICZ

SIGNING, STRIPING AND CONDUIT PLAN

SS-01	SECTION
	McT
	SHEET NO.
	24

PERMANENT SIGN SCHEDULE

SHEET NO.	PLAN IDENTIFIER	SIGN DESIGNATION	QTY.	DESCRIPTION	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	SIGN AREA (SF)	ITEM 819018 SINGLE POST (EACH)			ITEM 819019 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS (SF)			POST INSTALLATION TYPE	Code X11 12' Post (W/ Basepost) (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	R6-2_R(18)	1	ONE WAY (RIGHT ARROW) - 18x24	18	24		REMOVE	1									
SS-01	2a	R1-1(36)	1	STOP	36	36	7.5	NEW		1			EX. CONCRETE	1	1			
SS-01	2b	R6-2_L(18)	1	ONE WAY (LEFT ARROW) - 18x24	18	24	3.0	NEW		1								
SS-01	3a	R1-1(24)	1	STOP (on stop/slow paddle)	24	24		REMOVE	1									
SS-01	3b	Special	1	2-WAY	12	16		REMOVE	1									
SS-01	4a	D3-1(12)	1	STREET NAME (1 Line)	30	12	2.5	NEW		1			NEW CONCRETE	1				W 9th St
SS-01	4b	1674	1	STREET NAME (1 Line)	30	12	2.5	NEW		1								Tatnall St
SS-01	4c	R6-2_R(18)	1	ONE WAY (RIGHT ARROW) - 18x24	18	24	3.0	NEW		1								
SS-01	4d	R1-1(36)	1	STOP	36	36	7.5	NEW		1								
SS-01	5	R7-6	1	NO PARKING LOADING ZONE	12	18	1.5	NEW		1			EX. CONCRETE	1	1			NO PARKING LOADING ZONE 8 AM TO 6 PM
SS-01	6	R7-6	1	NO PARKING LOADING ZONE	12	18		REMOVE	1									NO PARKING LOADING ZONE 8 AM TO 6 PM
SS-01	7a	R1-1(24)	1	STOP (on stop/slow paddle)	24	24		REMOVE	1									
SS-01	7b	R6-2_L(18)	1	ONE WAY (LEFT ARROW) - 18x24	18	24		REMOVE	1									
SS-01	8	R7-8	1	RESERVED PARKING (Disabilities - symbols)	12	18		REMOVE	1									Reserved Handicap Parking Metered 8AM To 6PM Two Hour Limit Ex. Sat & Sun
SS-01	9a	R7-108	1	XXHR PARKING XXXAM TO XXXPM	12	18		REMOVE	1									2 HR PARKING 8AM-6PM EXCEPT SUN.
SS-01	9b	R2-5cP	1	RESIDENTIAL (plaque)	24	6		REMOVE	1									Residential Parking Permit Not Valid
SS-01	10	R7-8	1	RESERVED PARKING (Disabilities - symbols)	12	18	1.5	NEW		1			NEW CONCRETE	1				Reserved Handicap Parking Metered 8AM To 6PM Two Hour Limit Ex. Sat & Sun
SS-01	11	R6-2_R(18)	1	ONE WAY (RIGHT ARROW) - 18x24	18	24		REMAIN										
SS-01	12	Special	1	City of Wilmington Michael S. Purzycki Mayor Monitored Area DOWNTOWN VIDEO SAFETY PARTNERSHIP	24	24		REMAIN										
SS-01	13	R6-2_L(18)	1	ONE WAY (LEFT ARROW) - 18x24	18	24	3.0	NEW		1			NEW CONCRETE	1				
SS-01	14a	R1-1(36)	1	STOP	36	36		REMOVE	1									
SS-01	14b	Special	1	2-WAY	12	6		REMOVE	1									
SS-01	14c	R6-2_L(18)	1	ONE WAY (LEFT ARROW) - 18x24	18	24		REMOVE	1									
SS-01	15a	R1-1(36)	1	STOP	36	36	7.5	NEW		1			EX. CONCRETE	1	1			
SS-01	15b	R6-2_R(18)	1	ONE WAY (RIGHT ARROW) - 18x24	18	24	3.0	NEW		1								NO PARKING HERE TO CORNER
SS-01	16	R7-107-DE(12)	1	NO PARKING (Blank) - 12"x18"	12	18		REMAIN										
SS-01	17	R6-2_L(18)	1	ONE WAY (LEFT ARROW) - 18x24	18	24	3.0	NEW		1			NEW CONCRETE	1				
SS-01	18	R6-2_L(18)	1	ONE WAY (LEFT ARROW) - 18x24	18	24	3.0	NEW		1			NEW CONCRETE	1				
SS-01	19a	R7-4-DE(12)	1	NO STOPPING, STANDING, OR PARKING - 12x18	12	18		REMAIN										
SS-01	19b	R7-107-DE(12)	1	NO PARKING (Blank) - 12"x18"	12	18		REMAIN										NO PARKING HERE TO CORNER
SS-01	20	R6-2_R(18)	1	ONE WAY (RIGHT ARROW) - 18x24	18	24	3.0	NEW		1			EX. CONCRETE	1	1			
PAGE TOTALS							51		12	14				9	4			
JOB TOTALS							51		12	14				9	4			

12/6/2019 2:08:41 PM ... \Roadway\SS02_9th_Street.dgn



ADDENDA / REVISIONS

NOT TO SCALE

9TH STREET ENHANCEMENTS, PHASE II

CONTRACT	BRIDGE NO.	NA
T201620013	DESIGNED BY:	F. ATIQUE
COUNTY	CHECKED BY:	S. RUKOWICZ
NEW CASTLE		

SIGNING, STRIPING AND CONDUIT PLAN

SS-02

SECTION
McT
SHEET NO.
25