

GENERAL LOCATION OF CONTRACT

THE STATE OF DELAWARE DEPARTMENT OF TRANSPORTATION

U.S. CUSTOMARY
UNITS



CONSTRUCTION PLANS FOR:

BRADFORD STREET STREETSCAPE ENHANCEMENTS

CONTRACT NUMBER: **T201620004**
FEDERAL AID PROJECT NUMBER: **ETEA-2015(40)**

COUNTY: **KENT** M.R. #: **14078**

END CONSTRUCTION
BRADFORD STREET
STATION 213 + 32.33

BEGIN CONSTRUCTION
BRADFORD STREET
STATION 200 + 50.00



PROJECT LOCATION
NOT TO SCALE

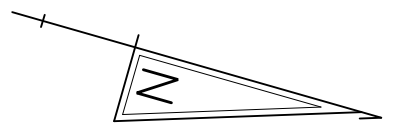
DESIGN DESIGNATION			
M.R.D. #:	14078	ROAD NAME:	SOUTH BRADFORD STREET
FUNCTIONAL CLASS:	LOCAL ROAD	D.H.V. PROJECTED:	N/A
TYPE OF CONSTRUCTION:	ENHANCEMENT	DESIGN SPEED:	-- M.P.H.
A.A.D.T. CURRENT:	N/A	YEAR:	N/A
A.A.D.T. PROJECTED:	N/A	YEAR:	N/A
		TRUCKS:	N/A %
		DIRECTION OF DISTRIBUTION:	N/A %
APPROVED DESIGN EXCEPTIONS			
DESIGN PARAMETER	REQUIRED	PROVIDED	DATE
ADDENDA & REVISIONS			
DESCRIPTION	NAME & DATE		
ASSOCIATED CONTRACTS			
CONTRACT NO.	CONTRACT NAME		
1094	DIVISION STREET, DOVER		

APPROVED FOR ADVERTISEMENT
D. A. By 1/27/20
DIRECTOR OF PLANNING DATE

PREPARED BY
McCORMICK TAYLOR
Kenneth Paul Murphy 01/06/2020
THIS SEAL APPLIES TO ALL SHEETS BEARING THE "McT" SECTION DESIGNATION. DATE

LAST REVISED: 1/2/2020
\\DESIGN\PROJECTS\5967_DE_DEDOT_NO_1836F\01\BRADFORD STREET\300_CADD\PLAN_SET\ROADWAY\TC01_BRADFORD STREET.DGN

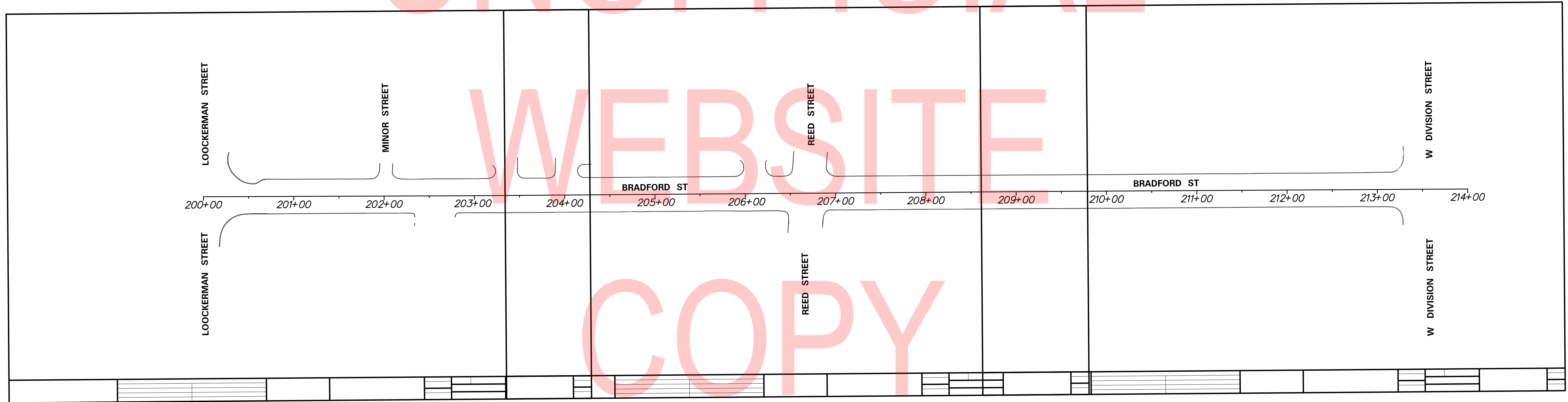
INDEX OF SHEETS		
SECTION	SHEET DESCRIPTION	SHEET NO(S)
McT	TITLE	1
McT	INDEX OF SHEETS	2
	ADDENDA AND REVISIONS	3
McT	LEGEND	4
McT	NOTES	5
McT	TYPICAL SECTIONS	6
McT	HORIZONTAL AND VERTICAL CONTROL	7
McT	CONSTRUCTION PLANS	8-10
McT	GRADES AND GEOMETRICS	11-13
McT	CONSTRUCTION DETAILS	14-17
McT	CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLANS	18-24
McT	LANDSCAPING PLANS	25-27
McT	SIGNING, STRIPING AND CONDUIT PLANS	28-31



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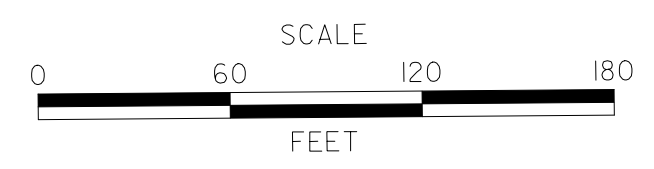
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McCormick Taylor

ADDENDA / REVISIONS



**BRADFORD STREET
STREETSCAPE ENHANCEMENTS**

CONTRACT	BRIDGE NO.	NA
T201620004	DESIGNED BY: Z. NERWINSKI	
COUNTY	CHECKED BY: K. MURPHY	
KENT		

INDEX OF SHEETS
SECTION
McT
SHEET NO.
2


IS-01

ADDENDUM PREPARED BY
 DELDOT - TRANSPORTATION SOLUTIONS
 XXXXXXXXXXXXXXXXXXXXX

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

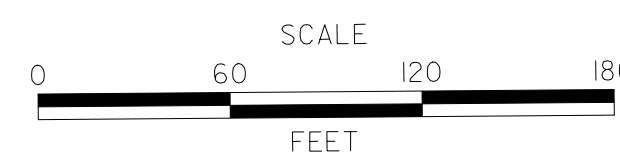
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ADDENDA / REVISIONS



**BRADFORD STREET
 STREETScape ENHANCEMENTS**

CONTRACT	BRIDGE NO.	NA
T201620004	DESIGNED BY: Z. NERWINSKI	
COUNTY	CHECKED BY: K. MURPHY	
KENT		

**ADDENDA AND
 REVISIONS**

SECTION
SHEET NO.
3

EXISTING SYMBOLS

Table with 2 columns: Symbol and Description. Section: DRAINAGE. Includes Ditch or Stream Centerline, Directional Stream Flow Arrow, Drainage Inlet, Drainage Junction Box, Drainage Manhole, Drainage Pipe and Flow Arrow, Drainage Pipe Headwall, Riprap - Area Feature, Riprap - Linear Feature.

Table with 2 columns: Symbol and Description. Section: MANMADE ROADSIDE FEATURES. Includes Bollard - Steel Pole, Bollard - Wood Post, Curb, Curb and Gutter, Fence - Chainlink or Stranded, Fence - Stockade or Split Rail, Flag Pole, Guardrail - Steel Beam, Guardrail - Wire Rope, Lamp and Post - Residential, Mailbox, Parking Meter and Post, Pavement - Flexible, Pavement - Rigid, Pile - Bridge, Pillar or Miscellaneous Post, Traffic Sign and Post, Wall - Brick or Block, Wall - Stone.

Table with 2 columns: Symbol and Description. Section: NATURAL ROADSIDE FEATURES. Includes Grass Lawn, Hedgerow or Thicket, Marsh Boundary Line, Tree - Coniferous, Tree - Deciduous, Tree Stump, Shrubbery, Delineated Wetland Boundary Line, Woods Line Boundary.

Table with 2 columns: Symbol and Description. Section: RIGHT-OF-WAY SYMBOLS. Includes Property Marker - Concrete Mon., Property Marker - Iron Pipe, Historic Right-of-Way Baseline, Existing Right-of-Way, Existing Property Line, Existing Easement, Existing Denial of Access, Existing R/W & Denial of Access.

Table with 2 columns: Symbol and Description. Section: SURVEY CONTROL & MONUMENTATION. Includes Survey Benchmark Location, Survey Tie Point Location, Survey Traverse Point, Point of Curvature or Tangency, Point of Intersecting Tangents.

Table with 2 columns: Symbol and Description. Section: UTILITY. Includes Soil Boring Location, Utility Test Hole Location, Cable TV Distribution Box, Electric Manhole, Electric Meter, Electric Transformer, Pole Mounted Luminaire, Gas Manhole, Gas Meter, Gas Valve, Gas Pump - Service Station, Railroad Tracks, Sanitary Sewer Manhole, Sanitary Sewer Valve, Sanitary Sewer Cleanout or Vent, Septic Drain Field, Telephone Booth, Telephone Manhole, Telephone Test Point, Traffic - Conduit Junction Well, Traffic - Light Pole and Base, Traffic - Pedestrian Pole & Base, Traffic - Signal Cabinet & Base, Traffic - Signal Pole and Base, Utility Box, Utility Pole Guy Wire Anchor, Utility Pole, Water - Fire Hydrant, Water Meter, Water Valve, Well Head, Manhole - Undetermined Owner.

Table with 2 columns: Symbol and Description. Section: UTILITY COMPANY FACILITIES. Includes City of Dover - Electric, City of Dover - Sewer, City of Dover - Water, Chesapeake Utilities - Gas, Comcast Overhead - Communications, Comcast Underground - Communications, Verizon Overhead - Communications, Verizon Underground - Communications.

Table with 2 columns: Symbol and Description. Section: CONSTRUCTION. Includes Concrete Safety Barrier - Permanent, Biofiltration Swale, Brick Patterned Surface, Butt Joint, Clear Zone, Construction Baseline, Construction Safety Fence, Curb, Type 1 & Type 3, Curb, Type 2, Curb & Gutter, Type 1, Curb & Gutter, Type 2, Curb & Gutter, Type 3, Curb & Gutter, Type 4, Curb Opening, Drainage Inlet, Ditch, Fence - Metal, Fence - Wood, Flared End Section, Guardrail, Type 1, Guardrail, Type 2, Guardrail, Type 3, Guardrail End Anchorage, Guardrail End Treatment, Type 1, Guardrail End Treatment, Type 2, Guardrail End Treatment, Type 3, Impact Attenuator, Junction Box - Drainage, Lateral Offset, Limit of Construction, Mailbox, Manhole, Pavement Patch, Pavement Removal - Topsoil, Seed and Mulch, Pipe & Directional Flow Arrow, Riprap, P.C.C. Sidewalk - 4", P.C.C. Sidewalk - 6" (Use 8" Depth for Channelization Islands), Underdrain, Underdrain Outlet.

Table with 2 columns: Symbol and Description. Section: RIGHT-OF-WAY SYMBOLS. Includes Proposed Right-of-Way Monument, Proposed Denial of Access, Proposed Permanent Easement, Proposed Right-of-Way, Proposed R/W & Denial of Access, Temporary Construction Easement, Proposed Right-of-Way Baseline.

PROPOSED SYMBOLS

Table with 2 columns: Symbol and Description. Section: IDENTIFIERS. Includes Adjust by Contractor, Adjust by Others, Concrete Safety Barrier, Curb or Curb & Gutter, Convert to Junction Box, Convert to Drainage Manhole, Curb Opening, Curb Ramp / Type, Curb Ramp / Type - Without Sidewalk Surface Detectable Warning System, Construction Safety Fence, Drainage Inlet, Do Not Disturb, Energy Dissipator, Fence, Flared End Section, Fill with Flowable Fill, Filtration Structure, Guardrail, Junction Box, Manhole, Monument - Right-of-Way, Pipe, Relocate by Contractor, Relocate by Others, Relocate by Property Owner, Remove by Contractor, Remove by Traffic Contractor, Remove by Others, Underdrain / Length, Underdrain Outlet Pipe.

Table with 2 columns: Symbol and Description. Section: TRAFFIC. Includes ITMS Conduit, Signal Conduit, Conduit Junction Well, Luminaire, Pavement Markings, Pavement Striping, Traffic Sign.

Table with 2 columns: Symbol and Description. Section: PAVEMENT SECTION(S). Includes Pavement Patching - See Typical Sections for Materials and Depths, Mill and Overlay - See Typical Sections for Materials and Depths.

Table with 2 columns: Symbol and Description. Section: MISCELLANEOUS. Includes Proposed Right to Enter, Proposed Detectable Warning Surface, Item 705501 - Brick Edged 6" Concrete Sidewalk, Item 705504 - Brick and/or Block Sidewalk, Herringbone Pattern, Item 705504 - Brick and/or Block Sidewalk, Brick Bond Pattern.

Table with 2 columns: Symbol and Description. Section: LANDSCAPING. Includes Landscape Plantings, Shrubbery, Coniferous Tree, Deciduous Tree.

Table with 2 columns: Symbol and Description. Section: CONSTRUCTION PHASING & M.O.T. Includes Barricade, Type 3, Concrete Safety Barrier - Portable, Construction Safety Fence / Length, Construction Safety Fence, Construction Warning Sign Location, Construction Warning Sign, Crash Cushion Array, Drum - Traffic Control, Flagger Location, Phasing Traffic Flow Arrow, Temporary Construction, Temporary Pavement Marking Arrow, Truck with Mounted Attenuator, Work Area - Active Phase.

Table with 2 columns: Symbol and Description. Section: EROSION & SEDIMENT CONTROL. Includes Compost Filter Log, Compost Filter Log / Length, Dewatering Bag, Dewatering Basin, Earth Dike, Inlet Sediment Control, Perimeter Dike/Swale, Portable Sediment Tank, Sandbag Dike, Sandbag Diversion, Stone Check Dam, Stabilized Construction Entrance, Silt Fence / Length, Silt Fence, Reinforced Silt Fence / Length, Reinforced Silt Fence, Super Silt Fence / Length, Super Silt Fence, Sump Pit, Sediment Trap / Number, Sediment Trap, Sediment Trap with Inlet as Outlet, Sediment Trap Pipe Outlet, Stilling Well, Temporary Swale, Temporary Slope Drain, Turbidity Curtain / Length, Turbidity Curtain.

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ADDENDA / REVISIONS

NOT TO SCALE

BRADFORD STREET STREETScape ENHANCEMENTS

Table with 2 columns: Field and Value. Fields include CONTRACT (T201620004), COUNTY (KENT), BRIDGE NO., DESIGNED BY: Z. NERWINSKI, CHECKED BY: K. MURPHY.

Table with 2 columns: Field and Value. Fields include NA, SECTION (McT), SHEET NO. (4), LEGEND.

LG-01

GENERAL NOTES

1. 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 2018, INCLUDING ALL REVISIONS UP TO THE DATE OF ADVERTISEMENT.

2. 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.

3. 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)

- 4. THE DISTURBED AREA FOR THIS PROJECT IS 0.78 ACRES.
- 5. THERE IS NO ADDITIONAL IMPERVIOUS AREA FOR THIS PROJECT.

PROJECT NOTES

SECTION 100

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

SECTION 200

2. ITEMS TO BE REMOVED UNDER ITEM 211000 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
 - STONE BLOCK
 - DRAINAGE PIPE
 - WATER BOX
 - STONE CURB

SECTION 600

3. DRAINAGE INLET GRATES ADJACENT TO THE ROAD, WITHIN THE PROJECT LIMITS, WHICH ARE NOT TYPE 1 OR TYPE 4 SHALL BE REPLACED. THE ACTUAL LOCATIONS, THE NEED FOR ANY GRATE MODIFICATIONS OR FOR NEW FRAMES SHALL BE DETERMINED BY THE ENGINEER. ALL REPLACED GRATES/FRAMES SHALL BE DELIVERED TO THE NEAREST DISTRICT MAINTENANCE YARD WITH THE COST OF DELIVERY INCIDENTAL TO ITEM 602100 - REPLACING DRAINAGE INLET GRATE(S). FINAL PAYMENT FOR REPLACED GRATES/FRAMES SHALL NOT BE MADE UNTIL RECEIPT OF DELIVERED MATERIALS IS PRODUCED, SIGNED BY A DELDOT MAINTENANCE YARD SUPERVISOR.

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

SECTION 700

5. 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.

6. 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.

7. 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

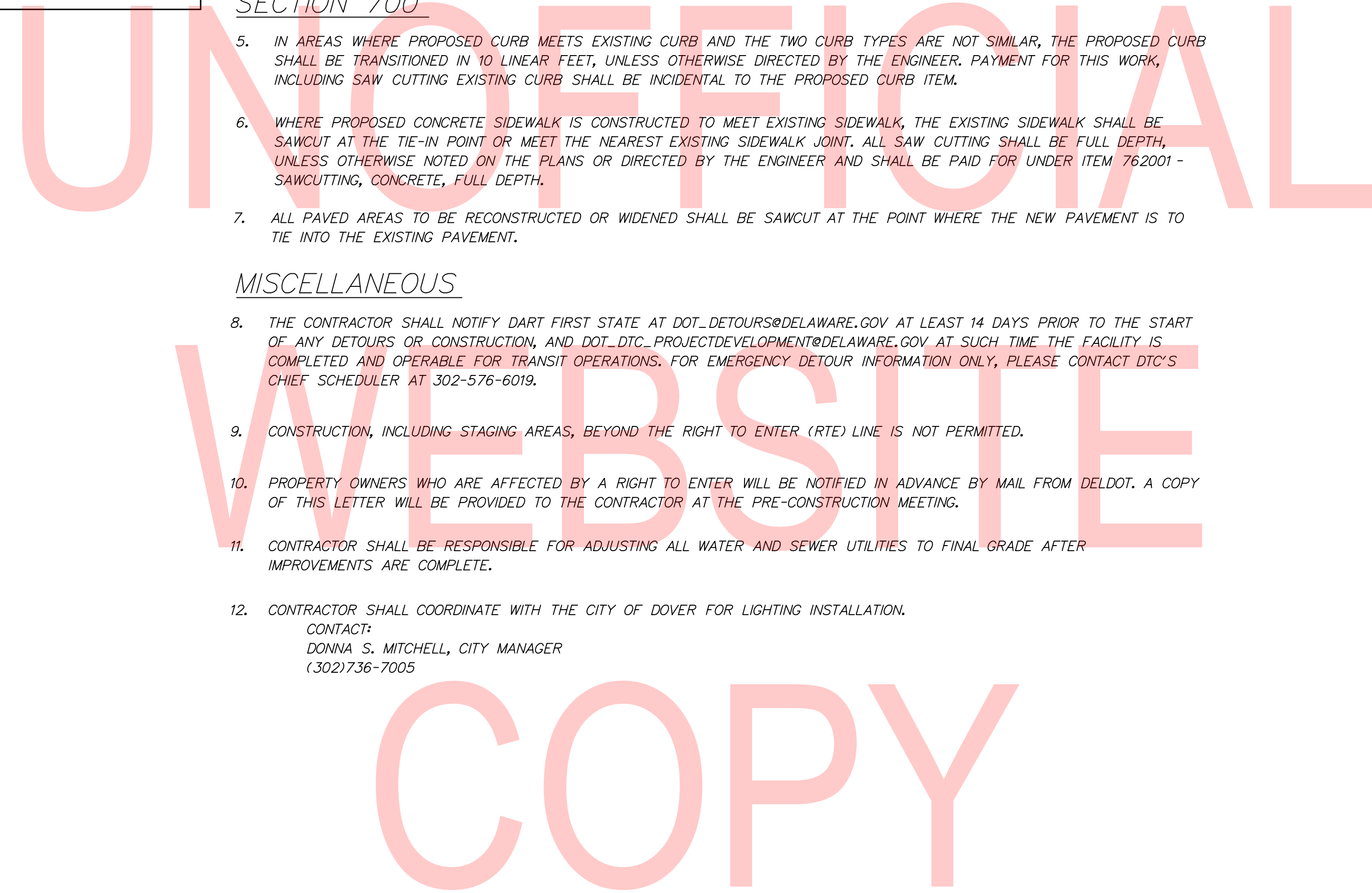
8. THE CONTRACTOR SHALL NOTIFY DART FIRST STATE AT DOT_DETOURS@DELAWARE.GOV AT LEAST 14 DAYS PRIOR TO THE START OF ANY DETOURS OR CONSTRUCTION, AND DOT_DTC_PROJECTDEVELOPMENT@DELAWARE.GOV AT SUCH TIME THE FACILITY IS COMPLETED AND OPERABLE FOR TRANSIT OPERATIONS. FOR EMERGENCY DETOUR INFORMATION ONLY,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

9. CONSTRUCTION, INCLUDING STAGING AREAS, BEYOND THE RIGHT TO ENTER (RTE) LINE IS NOT PERMITTED.

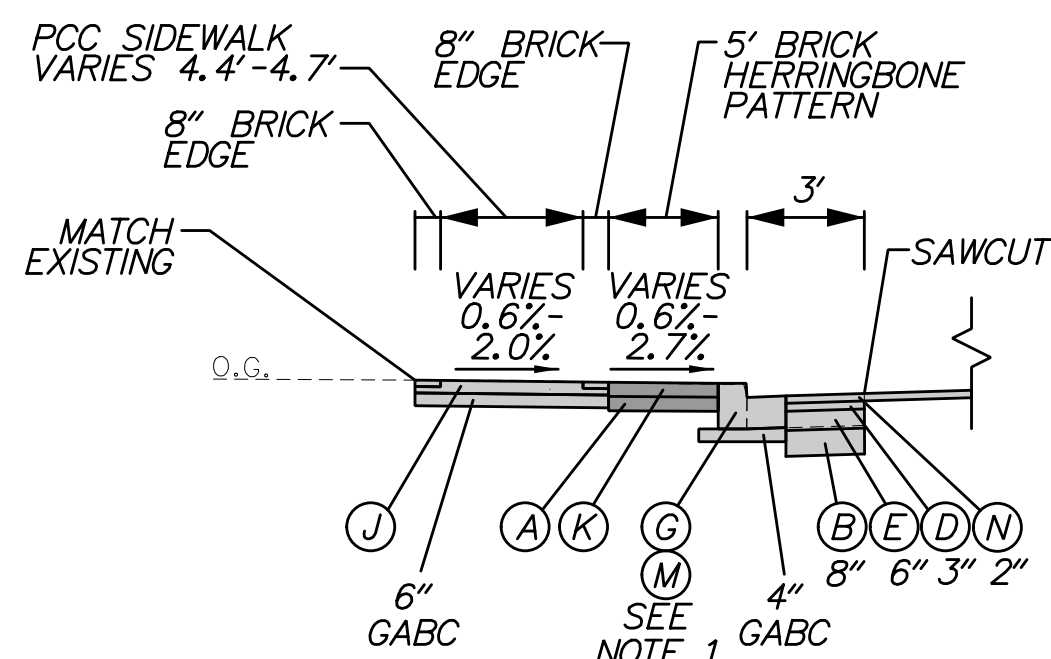
10. PROPERTY OWNERS WHO ARE AFFECTED BY A RIGHT TO ENTER WILL BE NOTIFIED IN ADVANCE BY MAIL FROM DELDOT. A COPY OF THIS LETTER WILL BE PROVIDED TO THE CONTRACTOR AT THE PRE-CONSTRUCTION MEETING.

11. CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL WATER AND SEWER UTILITIES TO FINAL GRADE AFTER IMPROVEMENTS ARE COMPLETE.

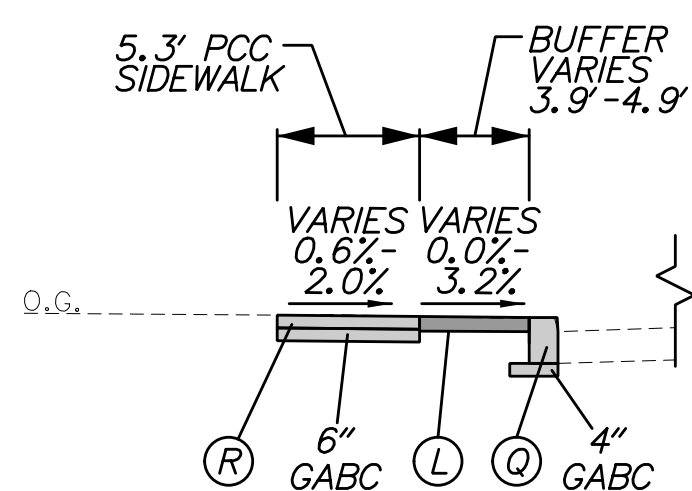
12. CONTRACTOR SHALL COORDINATE WITH THE CITY OF DOVER FOR LIGHTING INSTALLATION.
 CONTACT:
 DONNA S. MITCHELL, CITY MANAGER
 (302)736-7005



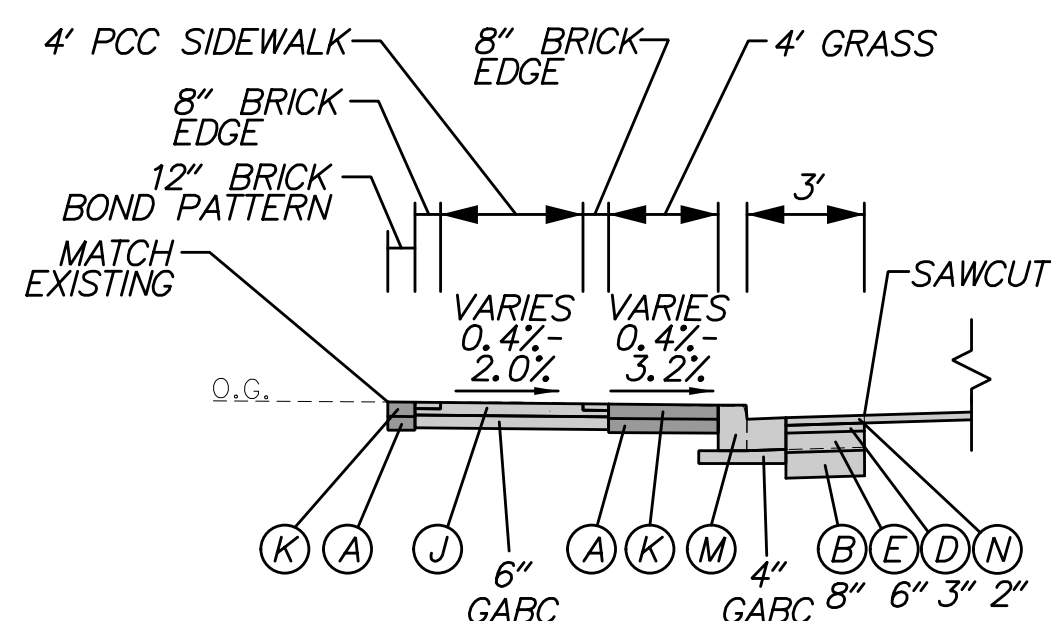
ADDENDA / REVISIONS		NOT TO SCALE	BRADFORD STREET STREETSCAPE ENHANCEMENTS	CONTRACT	BRIDGE NO.	NA	NOTES	PN-01
				T201620004	DESIGNED BY: Z. NERWINSKI			SECTION
				COUNTY	CHECKED BY: K. MURPHY			McT
				KENT				SHEET NO.
								5



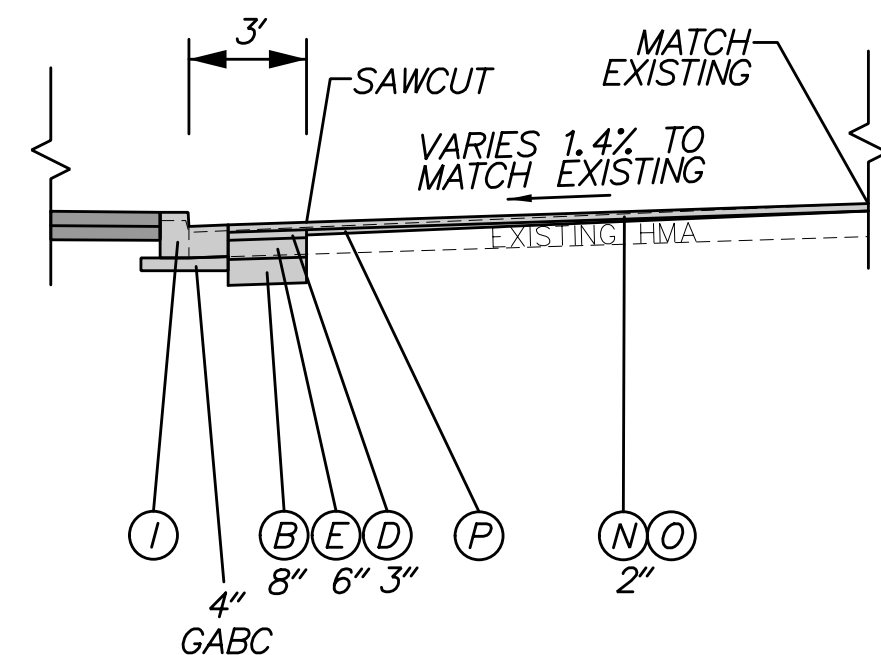
STATION 207+07.14 TO STATION 209+52.26



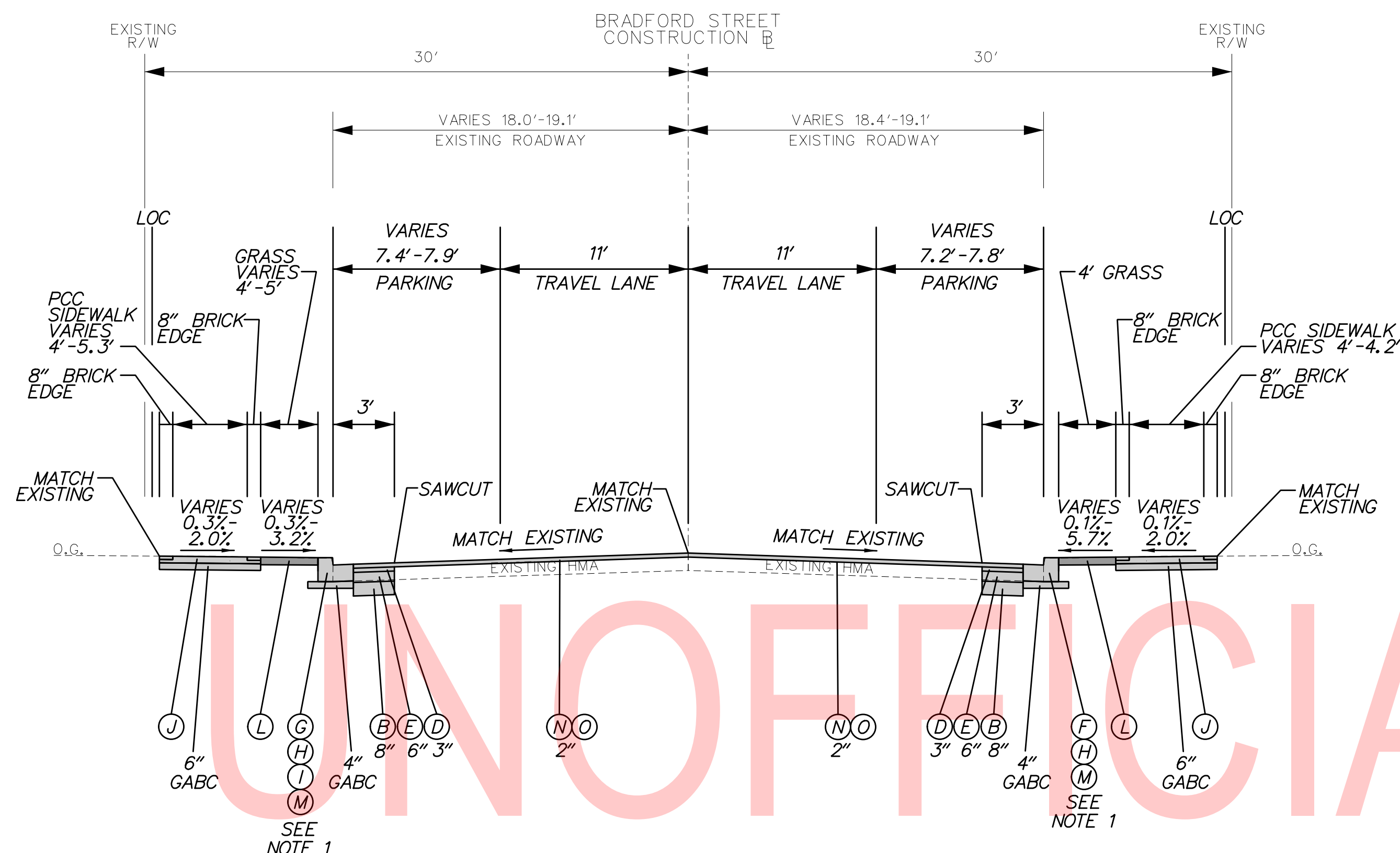
STATION 206+38.91 TO STATION 207+01.19



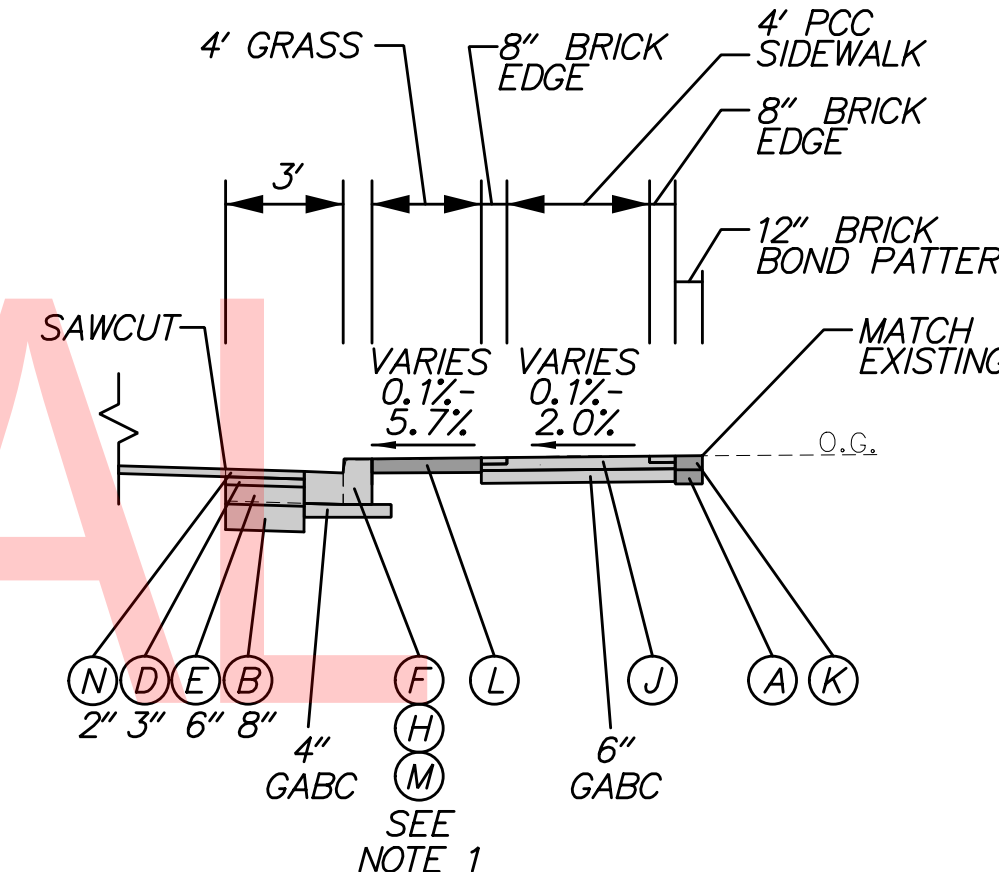
STATION 204+54.91 TO STATION 204+83.77



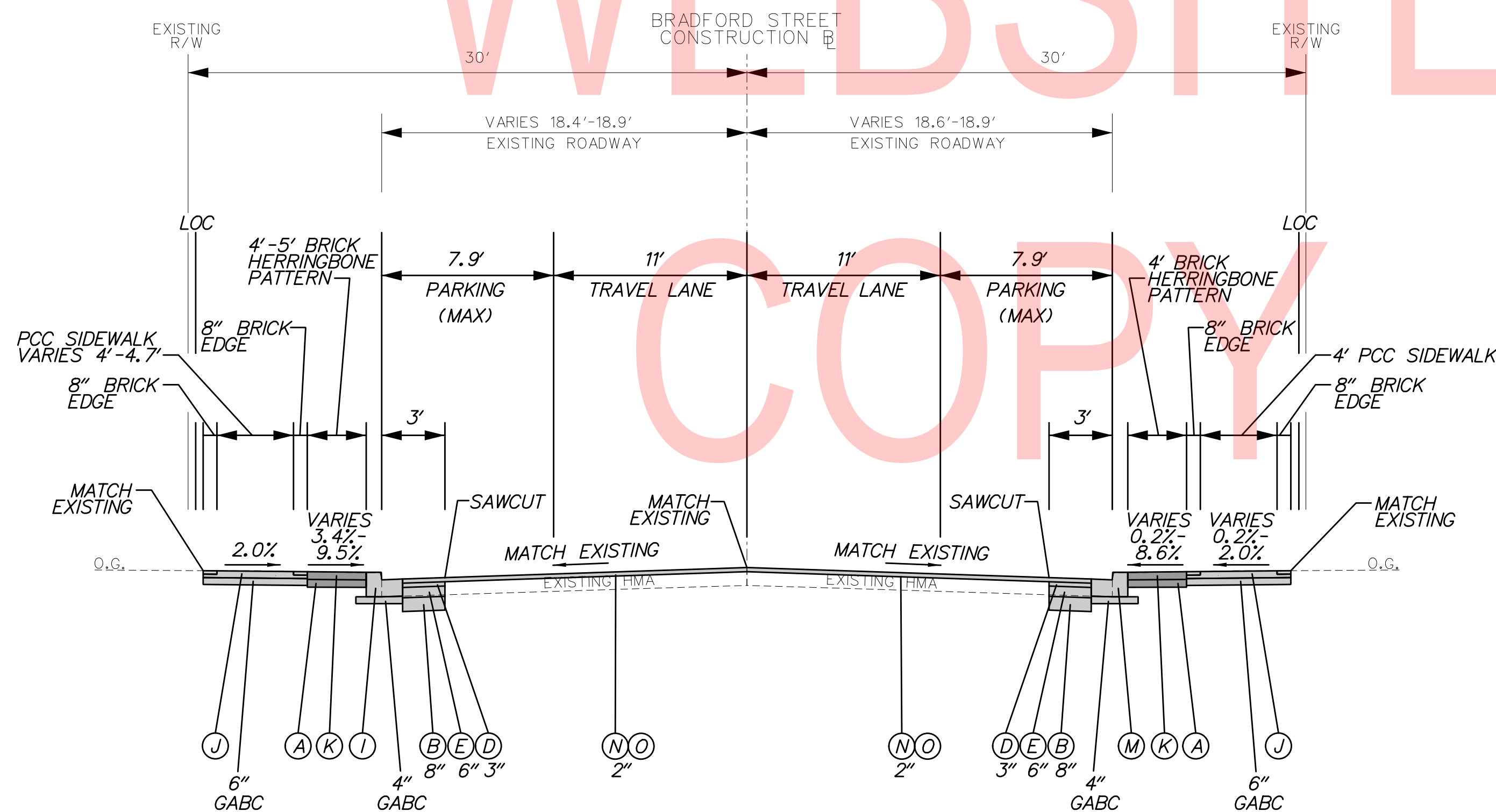
STATION 202+25.00 TO STATION 202+75.00



BRADFORD STREET STATION 203+34.15 TO STATION 213+31.57



STATION 204+37.48 TO STATION 208+18.97



BRADFORD STREET STATION 200+71.84 TO STATION 203+34.15

LEGEND

- (A) ITEM 301001 - GABC, TYPE B
- (B) ITEM 301002 - GABC, TYPE B, PATCHING
- (D) ITEM 401030 - SUPERPAVE TYPE B, PG 64-22, PATCHING
- (E) ITEM 401031 - SUPERPAVE TYPE BCBC, PG 64-22, PATCHING
- (F) ITEM 701021 - INTEGRAL PCC CURB & GUTTER, TYPE 3-4
- (G) ITEM 701022 - INTEGRAL PCC CURB & GUTTER, TYPE 3-6 (5" REVEAL)
- (H) ITEM 701022 - INTEGRAL PCC CURB & GUTTER, TYPE 3-6
- (I) ITEM 701023 - INTEGRAL PCC CURB & GUTTER, TYPE 3-8
- (J) ITEM 705501 - BRICK EDGED 6" CONCRETE SIDEWALK
- (K) ITEM 705504 - BRICK AND/OR BLOCK SIDEWALK
- (L) ITEM 908004 - TOPSOIL, 6" DEPTH
- (M) ITEM 908014 - PERMANENT GRASS SEEDING, DRY GROUND
- (N) ITEM 701023 - INTEGRAL PCC CURB & GUTTER, TYPE 3-8 (7" REVEAL)
- (O) ITEM 401005 - SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)
- (P) ITEM 760010 - PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT
- (Q) ITEM 401036 - SUPERPAVE TYPE C, PG 64-22, WEDGE
- (R) ITEM 701012 - PCC CURB, TYPE 1-6
- (S) ITEM 705002 - PCC SIDEWALK, 6"

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

NOTES:

1. SEE CONSTRUCTION PLANS FOR CURB HEIGHTS AND TRANSITION STATIONS.
2. SEE DT-01 FOR 8" BRICK EDGE DETAIL.

ADDENDA / REVISIONS

NOT TO SCALE

BRADFORD STREET STREETScape ENHANCEMENTS

CONTRACT T201620004	BRIDGE NO. NA
COUNTY KENT	DESIGNED BY: Z. NERWINSKI
	CHECKED BY: K. MURPHY

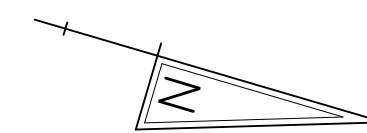
TYPICAL SECTIONS

TS-01

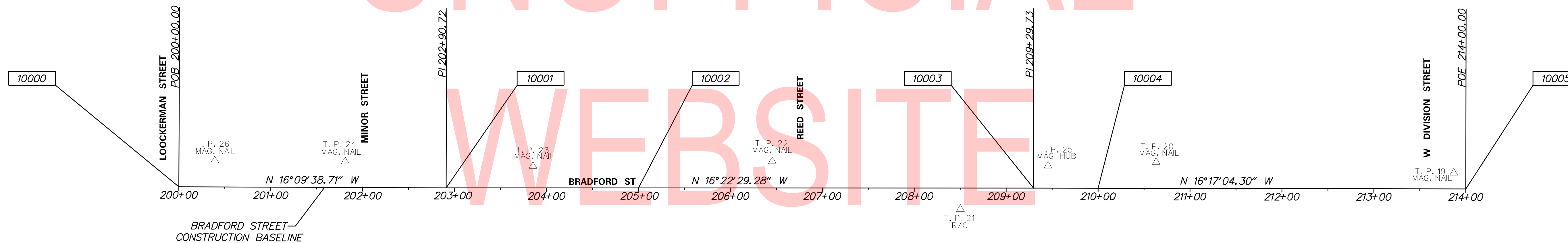
SECTION McT
SHEET NO. 6

CONSTRUCTION ALIGNMENT CONTROL				
POINT	STATION	OFFSET	NORTHING	EASTING
10000	200+00.00	0.00	421693.7286	625244.7946
10001	202+90.72	0.00	421972.9646	625163.8764
10002	205+00.00	0.00	422173.7518	625104.8775
10003	209+29.73	0.00	422586.0552	624983.7270
10004	210+00.00	0.00	422653.5020	624964.0239
10005	214+00.00	0.00	423037.4544	624851.8609

HORIZONTAL / VERTICAL CONTROL DATA						
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION	
TP 18	213+22.25	217.92	423023.9308	625082.8380	30.7400	
TP 19	213+86.88	-17.41	423019.9770	624838.8340	31.2000	
TP 20	210+63.07	-28.31	422706.1079	624919.1655	29.2800	
TP 21	208+50.20	22.90	422516.2009	625028.1262	26.9500	
TP 22	206+45.51	-28.89	422305.2134	625036.1336	25.8200	
TP 23	203+85.13	-23.62	422056.8865	625114.6020	28.7600	
TP 24	201+80.76	-28.10	421859.5215	625167.4950	30.3700	
TP 25	209+45.53	-24.22	422594.4268	624956.0443	27.9100	
TP 26	200+38.92	-28.51	421723.1745	625206.5762	30.9200	



UNOFFICIAL



COPY

DATUM REFERENCE:

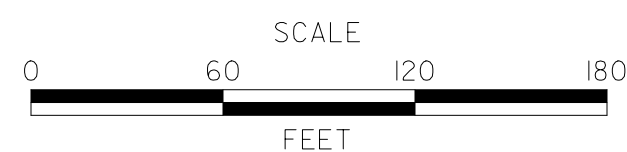
HORIZONTAL - THIS PROJECT IS REFERENCED TO THE DELAWARE STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM OF 1983 (NAD 83).

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

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ADDENDA / REVISIONS



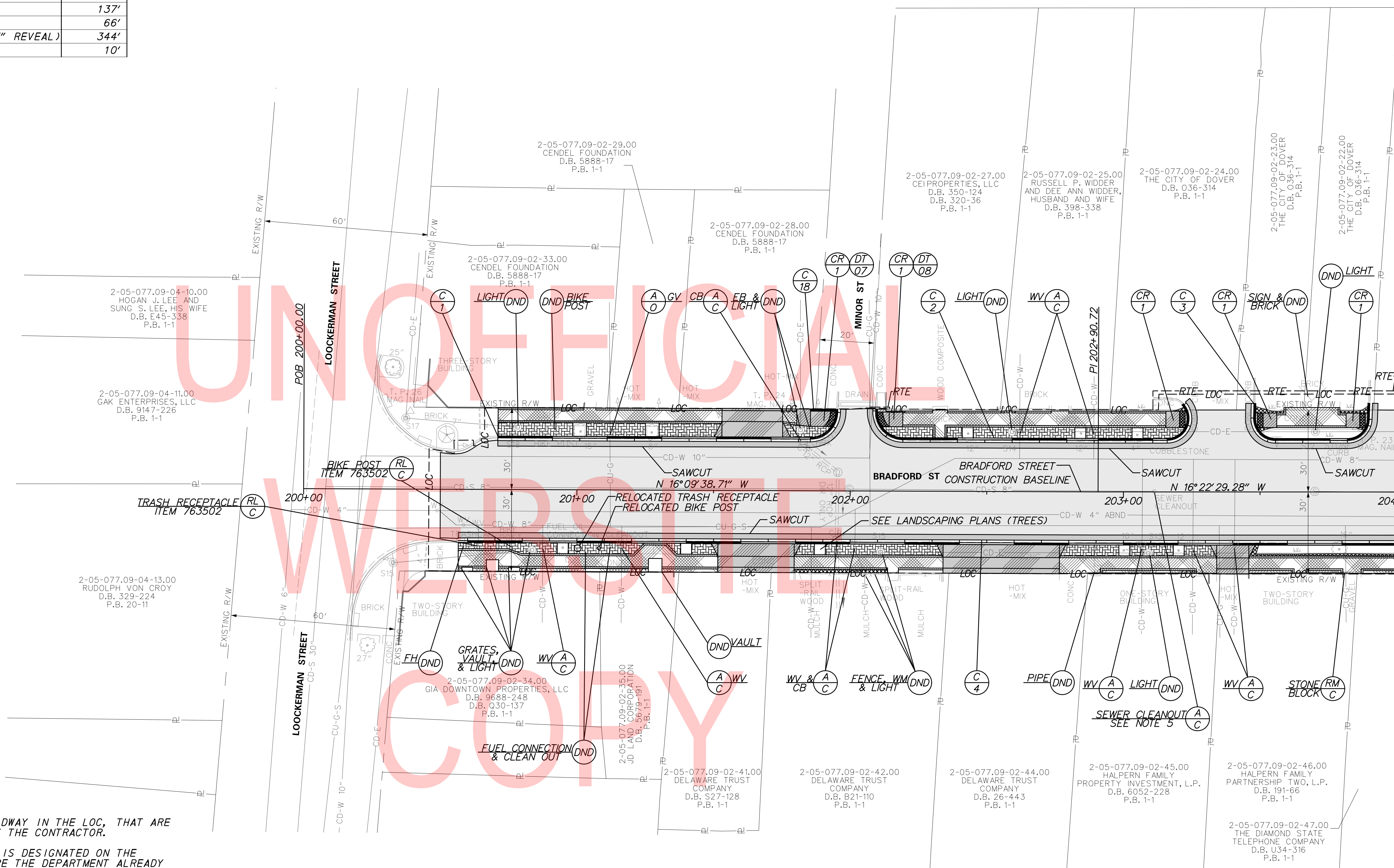
**BRADFORD STREET
STREETSCAPE ENHANCEMENTS**

CONTRACT	BRIDGE NO.	NA
T201620004	DESIGNED BY: Z. NERWINSKI	
COUNTY	CHECKED BY: K. MURPHY	
KENT		

**HORIZONTAL AND
VERTICAL CONTROL**

HVC-01
SECTION
McT
SHEET NO.
7

CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
1	IPCC CURB & GUTTER, TYPE 3-8	133'
2	IPCC CURB & GUTTER, TYPE 3-8	137'
3	IPCC CURB & GUTTER, TYPE 3-8	66'
4	IPCC CURB & GUTTER, TYPE 3-8 (7" REVEAL)	344'
18	PCC CURB, TYPE 1-8	10'

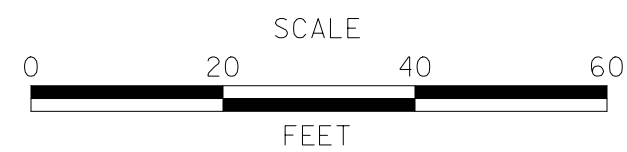


MATCHLINE STATION 204 + 00

NOTES:

1. ALL VALVES AND MANHOLES IN THE ROADWAY IN THE LOC, THAT ARE NOT LABELED, ARE TO BE ADJUSTED BY THE CONTRACTOR.
2. 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.
3. RIGHT OF WAY LIMITS ARE DRAWN USING COUNTY PARCEL INFORMATION, DEEDS, AND ARCHIVED PLANS, AND ARE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY.
4. INDIVIDUAL PARCEL BOUNDARIES (PROPERTY LINES) WERE OBTAINED FROM AVAILABLE COUNTY RECORDS AND HAVE NOT BEEN SURVEYED.
5. VERTICAL ADJUSTMENT OF SEWER CLEANOUT SHALL BE PAID FOR UNDER ITEM 710002: ADJUST WATER VALVE BOXES.
6. SEE LANDSCAPING PLANS FOR EXISTING TREE CALLOUTS.

ADDENDA / REVISIONS



**BRADFORD STREET
STREETSCAPE ENHANCEMENTS**

CONTRACT T201620004	BRIDGE NO. NA
COUNTY KENT	DESIGNED BY: Z. NERWINSKI
	CHECKED BY: K. MURPHY

CONSTRUCTION PLAN

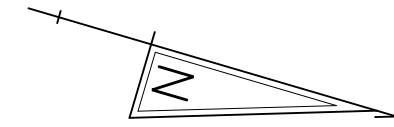
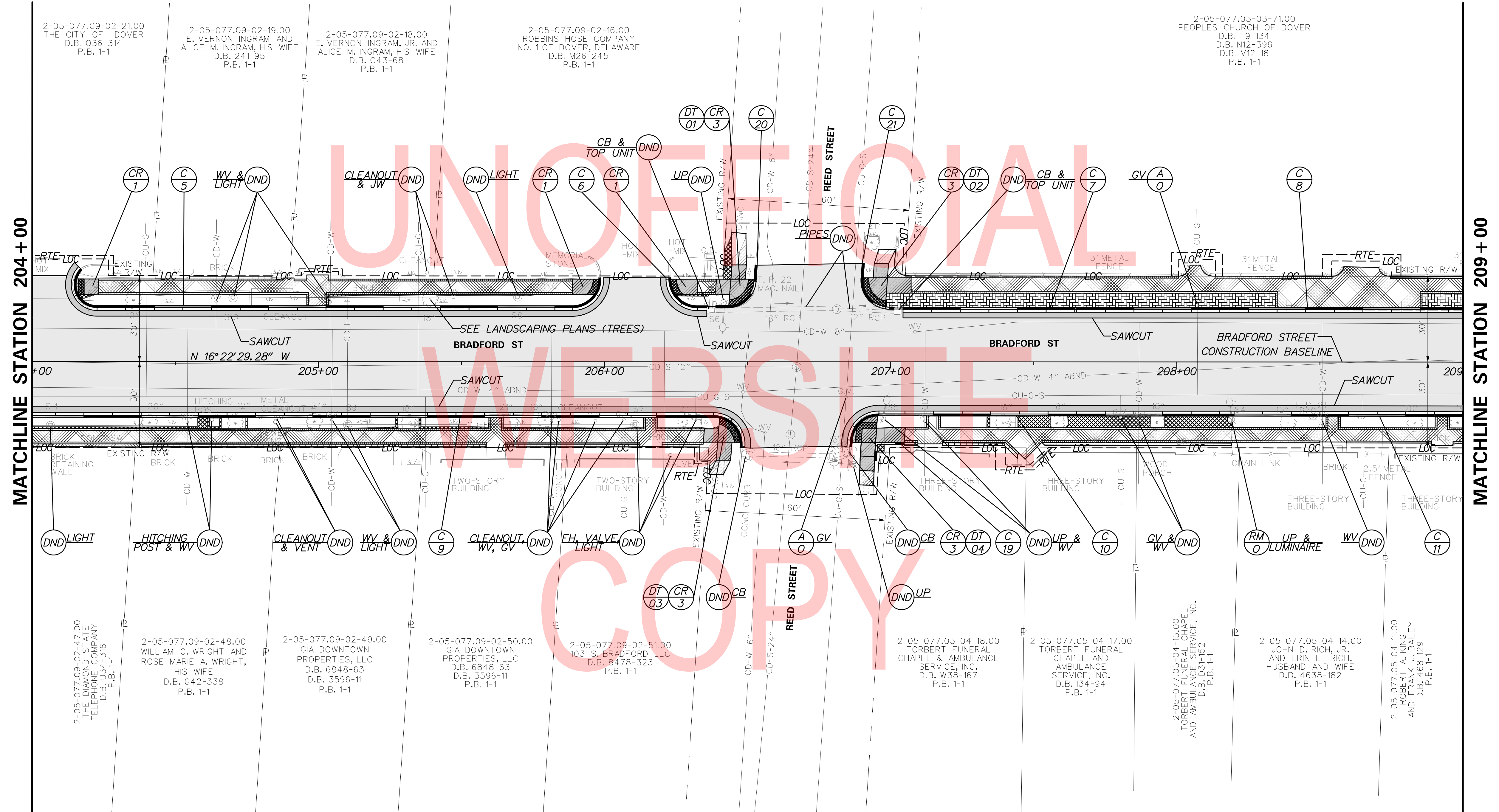
CP-01
SECTION McT
SHEET NO. 8

CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
5	IPCC CURB & GUTTER, TYPE 3-8 (7" REVEAL)	205'
6	IPCC CURB & GUTTER, TYPE 3-8 (7" REVEAL)	21'
7	IPCC CURB & GUTTER, TYPE 3-6 (5" REVEAL)	61'
8	IPCC CURB & GUTTER, TYPE 3-8 (7" REVEAL)	135'
9	IPCC CURB & GUTTER, TYPE 3-8 (7" REVEAL)	257'
10	IPCC CURB & GUTTER, TYPE 3-4	138'
11	IPCC CURB & GUTTER, TYPE 3-6	85'
19	PCC CURB, TYPE 1-4	17'
20	PCC CURB, TYPE 1-6	25'
21	PCC CURB, TYPE 1-6	24'

NOTES:

- ALL VALVES AND MANHOLES IN THE ROADWAY IN THE LOC, THAT ARE NOT LABELED, ARE TO BE ADJUSTED BY THE CONTRACTOR.
- 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.
- RIGHT OF WAY LIMITS ARE DRAWN USING COUNTY PARCEL INFORMATION, DEEDS, AND ARCHIVED PLANS, AND ARE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY.
- INDIVIDUAL PARCEL BOUNDARIES (PROPERTY LINES) WERE OBTAINED FROM AVAILABLE COUNTY RECORDS AND HAVE NOT BEEN SURVEYED.
- SEE LANDSCAPING PLANS FOR EXISTING TREE CALLOUTS.

CURB 8 TRANSITIONS FROM 5" TO 7" FROM STA 207+65 TO STA 207+75.
 CURB 11 TRANSITIONS FROM 4" TO 6" FROM STA 208+15 TO STA 208+25.



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ADDENDA / REVISIONS



**BRADFORD STREET
STREETSCAPE ENHANCEMENTS**

CONTRACT	BRIDGE NO.	NA
T201620004	DESIGNED BY:	Z. NERWINSKI
COUNTY	CHECKED BY:	K. MURPHY
KENT		

CONSTRUCTION PLAN

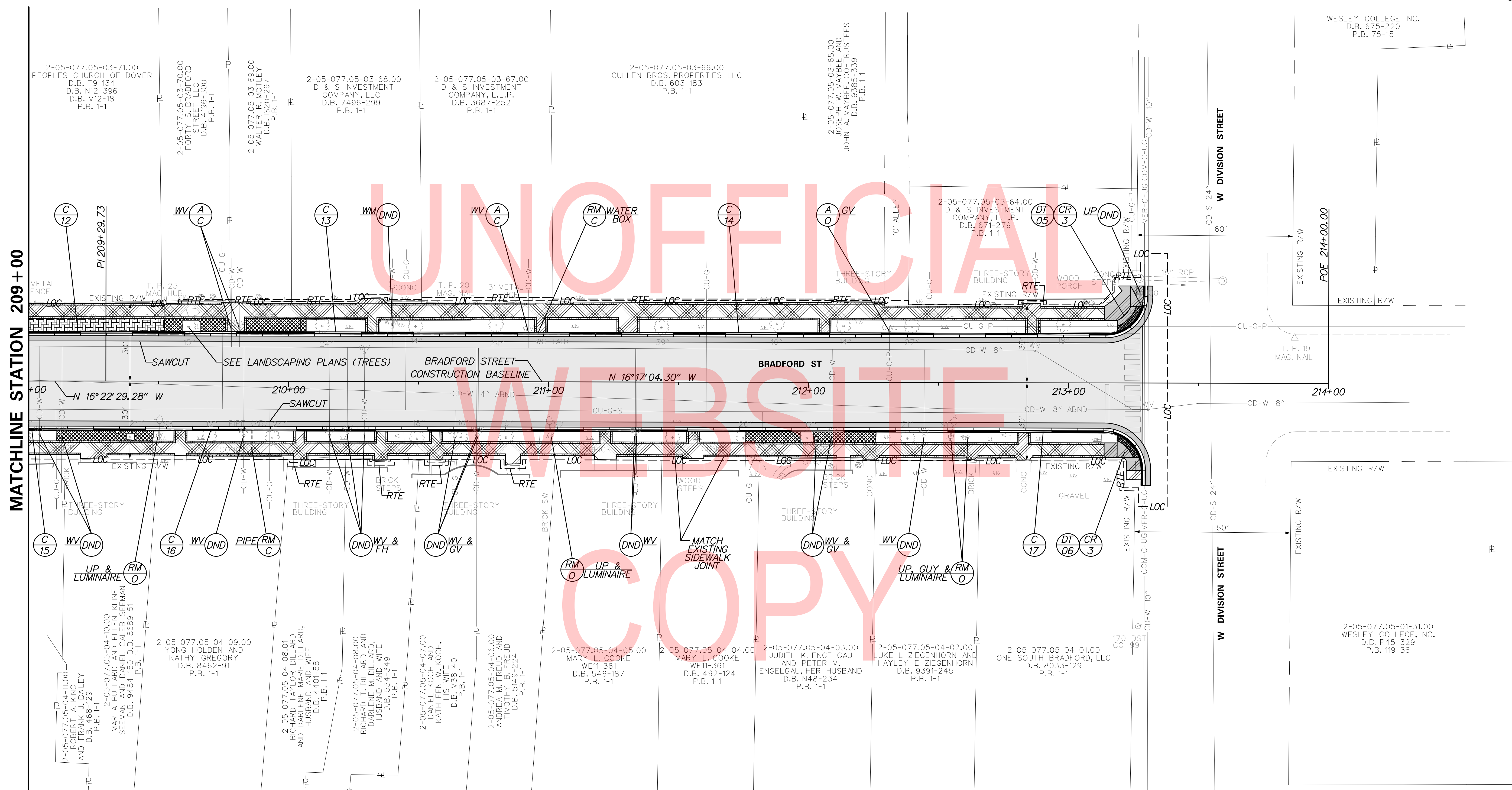
CP-02
SECTION
McT
SHEET NO.
9

CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
12	IPCC CURB & GUTTER, TYPE 3-8 (7" REVEAL)	90'
13	IPCC CURB & GUTTER, TYPE 3-6 (5" REVEAL)	38'
14	IPCC CURB & GUTTER, TYPE 3-6	316'
15	IPCC CURB & GUTTER, TYPE 3-6	45'
16	IPCC CURB & GUTTER, TYPE 3-4	78'
17	IPCC CURB & GUTTER, TYPE 3-6	322'

CURB #12 TRANSITIONS FROM 7" TO 5" FROM STA 209+80 TO 209+90.
 CURB #14 TRANSITIONS FROM 5" TO 6" FROM STA 210+28 TO 210+33.
 CURB #15 TRANSITIONS FROM 6" TO 4" FROM STA 209+35 TO 209+45.
 CURB #17 TRANSITIONS FROM 4" TO 6" FROM STA 210+23 TO 210+33.

NOTES:

- ALL VALVES AND MANHOLES IN THE ROADWAY IN THE LOC, THAT ARE NOT LABELED, ARE TO BE ADJUSTED BY THE CONTRACTOR
- 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.
- RIGHT OF WAY LIMITS ARE DRAWN USING COUNTY PARCEL INFORMATION, DEEDS, AND ARCHIVED PLANS, AND ARE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY.
- INDIVIDUAL PARCEL BOUNDARIES (PROPERTY LINES) WERE OBTAINED FROM AVAILABLE COUNTY RECORDS AND HAVE NOT BEEN SURVEYED.
- SEE LANDSCAPING PLANS FOR EXISTING TREE CALLOUTS.



MATCHLINE STATION 209+00

ADDENDA / REVISIONS

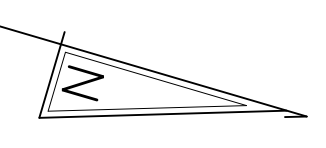


**BRADFORD STREET
 STREETScape ENHANCEMENTS**

CONTRACT	BRIDGE NO.	NA
T201620004	DESIGNED BY:	Z. NERWINSKI
COUNTY	CHECKED BY:	K. MURPHY
KENT		

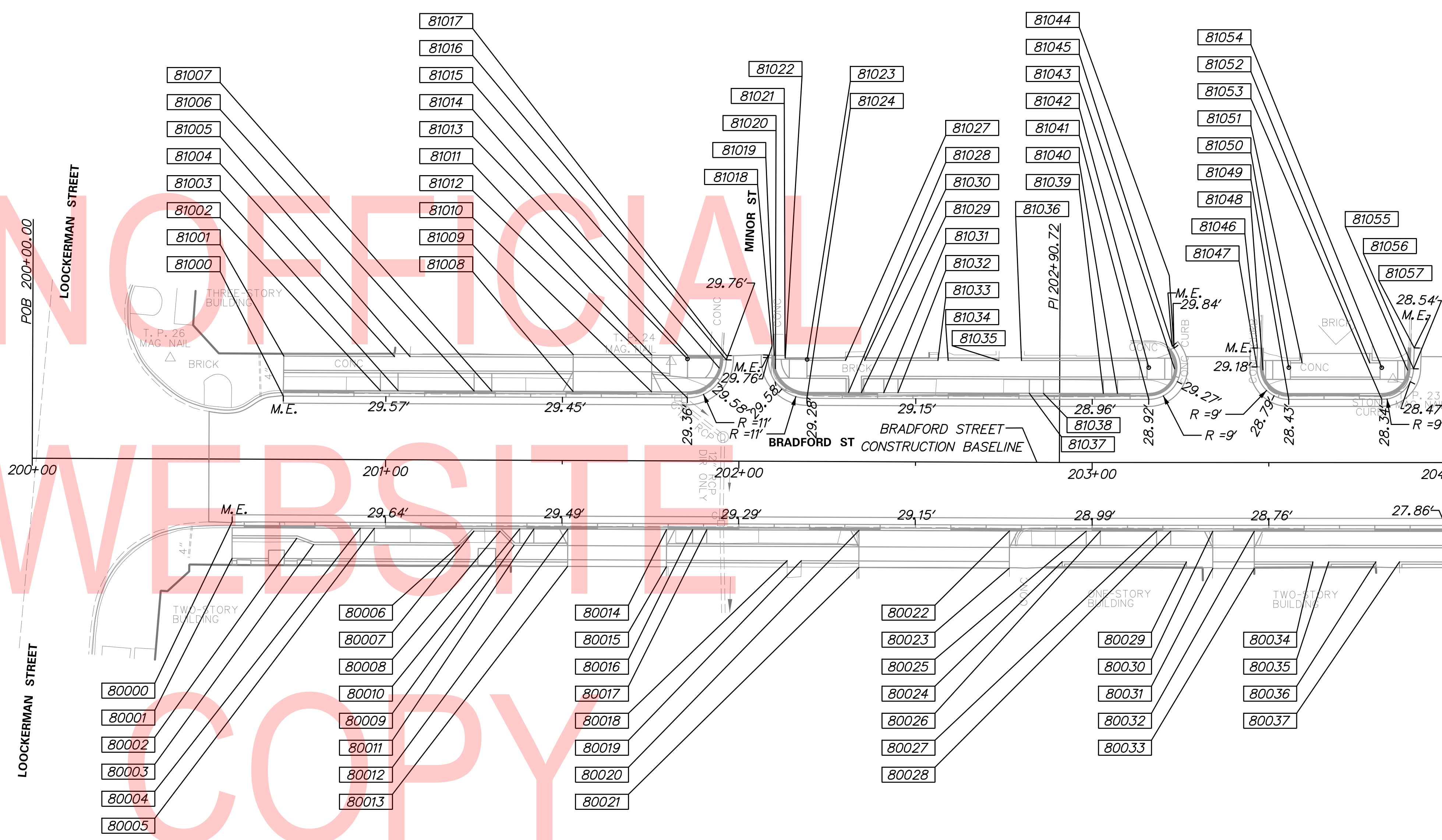
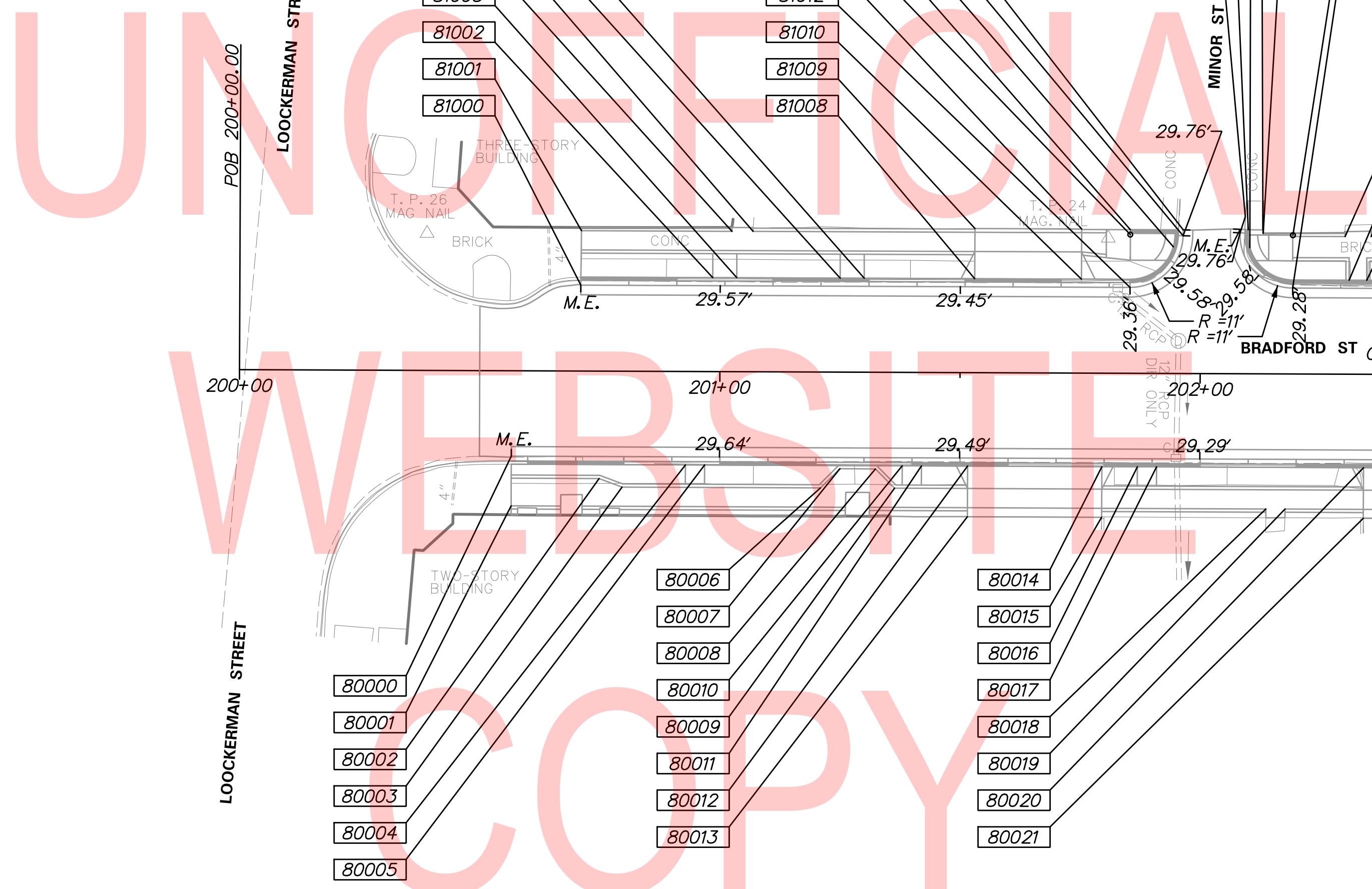
CONSTRUCTION PLAN

CP-03
SECTION
McT
SHEET NO.
10



COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
81000	200+70.98	-17.88	421756.9223	625207.8630
81001	200+71.06	-29.20	421753.8521	625196.9663
81002	200+98.44	-19.55	421782.8362	625198.6183
81003	201+03.44	-19.55	421787.6386	625197.2267
81004	201+02.41	-29.21	421783.9646	625188.2365
81005	201+06.79	-29.21	421788.1667	625187.0183
81006	201+24.97	-19.55	421808.3184	625191.2340
81007	201+29.97	-19.55	421813.1209	625189.8423
81008	201+52.99	-19.55	421835.2343	625183.4342
81009	201+52.99	-29.99	421832.3276	625173.4038
81010	201+75.21	-19.55	421856.5718	625177.2509
81011	201+75.21	-29.99	421853.6652	625167.2205
81012	201+85.32	-17.88	421866.7528	625176.0359
81013	201+85.32	-28.88	421863.6911	625165.4705
81014	201+85.36	-29.88	421863.4446	625164.5008
81015	201+94.31	-26.34	421873.0242	625165.4121
81016	201+96.32	-28.67	421874.3144	625162.6164
81017	201+96.35	-29.88	421873.9986	625161.4412
81018	202+08.20	-29.32	421885.5424	625158.6855
81019	202+09.90	-29.97	421886.9877	625157.5878
81020	202+10.25	-26.22	421888.3718	625161.0945
81021	202+12.95	-29.97	421889.9174	625156.7388
81022	202+13.00	-29.23	421890.1732	625157.4368
81023	202+19.19	-28.88	421896.2205	625156.0440
81024	202+19.19	-17.88	421899.2822	625166.6093
81027	202+30.05	-28.65	421906.7162	625153.2477
81028	202+30.93	-19.55	421910.0878	625161.7428
81029	202+34.59	-19.55	421913.6096	625160.7223
81030	202+35.48	-28.67	421911.9280	625151.7171
81031	202+40.93	-19.55	421919.6996	625158.9575
81032	202+44.93	-19.55	421923.5415	625157.8441
81033	202+56.22	-28.74	421931.8219	625145.8747
81034	202+59.11	-28.75	421934.5923	625145.0611
81035	202+73.49	-28.80	421948.3903	625141.0089
81036	202+79.87	-28.83	421954.5126	625139.2110
81037	202+82.14	-19.55	421959.2813	625147.4873
81038	202+86.14	-19.55	421963.1232	625146.3740
81039	203+03.15	-19.55	421979.3756	625141.6161
81040	203+07.15	-19.55	421983.2134	625140.4884
81041	203+16.00	-17.88	421992.1736	625139.5927
81042	203+16.00	-26.88	421989.6363	625130.9578
81043	203+23.33	-26.54	421996.7612	625129.2226
81044	203+23.16	-32.34	421994.9646	625123.7045
81045	203+22.67	-32.94	421994.3302	625123.2622
81046	203+46.75	-32.40	422017.5837	625116.9916
81047	203+46.64	-27.07	422018.9848	625122.1439
81048	203+48.34	-26.22	422020.8503	625122.4797
81049	203+55.64	-17.88	422030.2067	625128.4171
81050	203+55.64	-26.88	422027.6694	625119.7822
81051	203+59.41	-28.22	422030.9061	625117.4414
81052	203+78.55	-28.22	422049.2727	625112.0446
81053	203+81.97	-17.88	422055.4672	625120.9946
81054	203+81.97	-26.88	422052.9299	625112.3597
81055	203+89.27	-26.22	422060.1246	625110.9406
81056	203+90.96	-26.58	422061.6455	625110.1150
81057	203+91.16	-32.49	422060.1716	625104.3922



COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
80000	200+56.66	17.78	421753.0972	625246.1055
80001	200+56.66	28.12	421755.9758	625256.0298
80002	200+74.96	22.37	421771.9522	625245.4171
80003	200+79.75	24.12	421777.0370	625245.7620
80004	200+92.90	19.45	421788.3739	625237.6181
80005	200+96.90	19.45	421792.2158	625236.5048
80006	201+21.06	24.12	421816.7144	625234.2641
80007	201+25.09	20.12	421819.4753	625229.2995
80008	201+32.49	20.12	421826.5781	625227.2412
80009	201+36.46	24.12	421831.5076	625229.9773
80010	201+38.06	19.45	421831.7423	625225.0506
80011	201+42.06	19.45	421835.5843	625223.9373
80012	201+51.65	19.45	421844.8044	625221.2654
80013	201+51.65	30.00	421847.7399	625231.3953
80014	201+79.60	19.45	421871.6492	625213.4862

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
80015	201+79.60	30.00	421874.5847	625223.6161
80016	201+87.01	19.45	421878.7590	625211.4259
80017	201+91.01	19.45	421882.6009	625210.3126
80018	202+13.80	28.12	421906.9057	625212.2927
80019	202+17.79	28.12	421910.7343	625211.1832
80020	202+34.09	19.45	421923.9776	625198.3223
80021	202+34.09	30.00	421926.9131	625208.4522
80022	202+76.67	19.45	421964.8821	625186.4688
80023	202+76.67	30.00	421967.8176	625196.5987
80024	202+91.53	28.12	421981.6620	625190.6261
80025	202+98.34	19.45	421985.7579	625180.3896
80026	203+02.34	19.45	421989.5956	625179.2619
80027	203+18.24	19.45	422004.8465	625174.7806
80028	203+22.24	19.45	422008.6843	625173.6529
80029	203+26.71	28.12	422015.4141	625180.7085

COORDINATE LIST

POINT NO.	STATION	OFFSET	NORTHING	EASTING
80030	203+34.14	19.45	422020.0996	625170.2986
80031	203+34.14	30.00	422023.0729	625180.4175
80032	203+45.89	19.45	422031.3738	625166.9858
80033	203+45.89	30.00	422034.3471	625177.1047
80034	203+62.49	28.12	422049.7431	625170.6213
80035	203+66.99	28.12	422054.0605	625169.3527
80036	203+80.32	28.12	422066.8530	625165.5938
80037	203+87.00	28.12	422073.2649	625163.7097

ADDENDA / REVISIONS



**BRADFORD STREET
STREETSCAPE ENHANCEMENTS**

CONTRACT	BRIDGE NO.	NA
T201620004	DESIGNED BY:	Z. NERWINSKI
COUNTY	CHECKED BY:	K. MURPHY
KENT		

**GRADES AND
GEOMETRICS**

GG-01
SECTION
MCT
SHEET NO.
11

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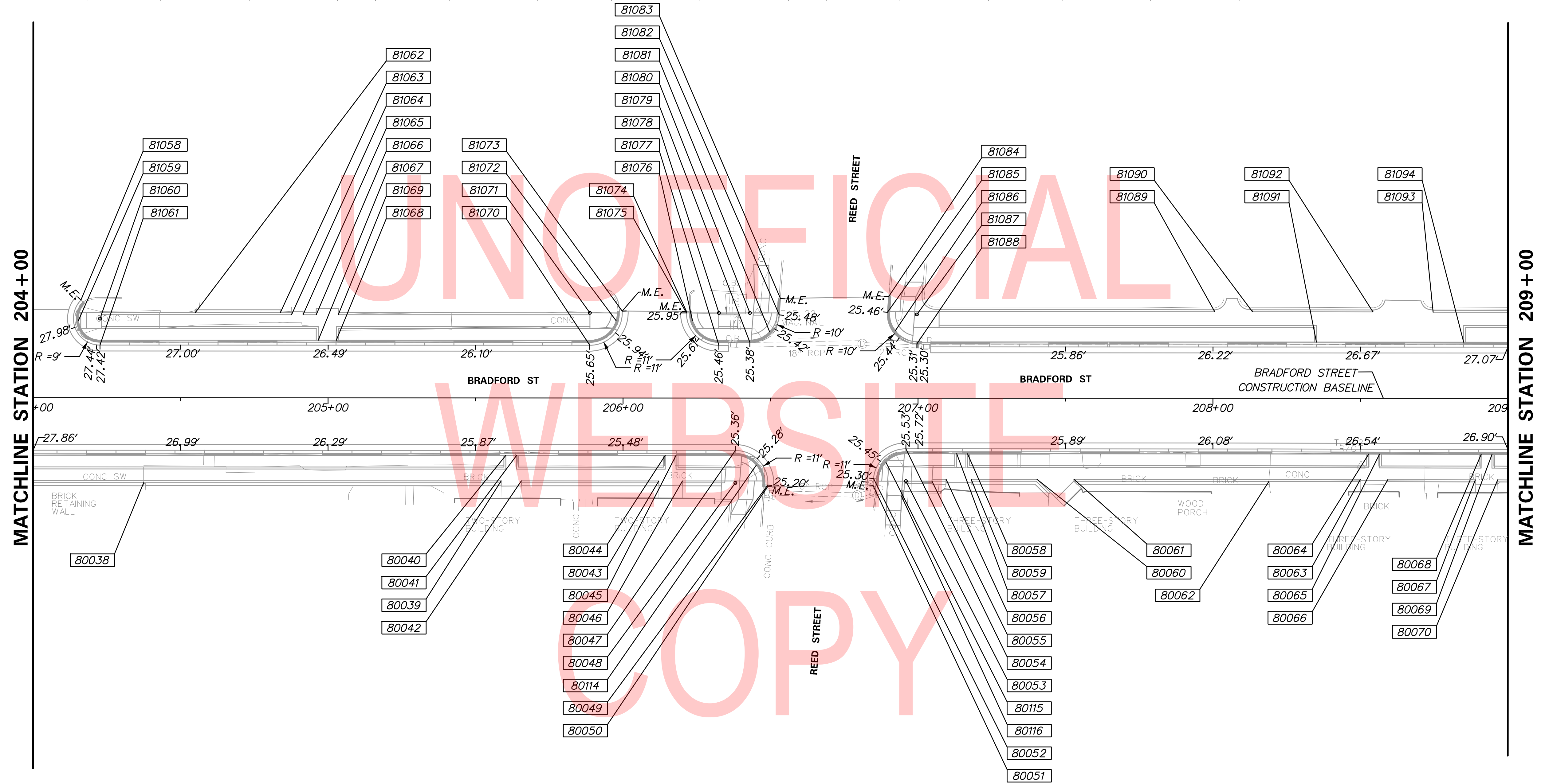
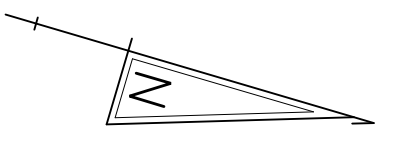


COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
81058	204+16.20	-33.15	422084.0057	625096.6987
81059	204+15.36	-26.22	422085.1527	625103.5863
81060	204+22.66	-26.88	422091.9713	625100.8878
81061	204+22.66	-17.88	422094.5086	625109.5228
81062	204+54.91	-28.88	422122.3437	625089.8787
81063	204+83.77	-28.88	422150.0411	625081.7402
81064	204+87.61	-28.22	422153.9064	625081.2992
81065	204+91.49	-28.22	422157.6327	625080.2043
81066	204+95.97	-28.22	422161.9332	625078.9407
81067	204+96.64	-19.55	422165.0161	625087.0679
81068	205+02.79	-19.55	422170.9156	625085.3343

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
81069	205+03.46	-28.22	422169.1119	625076.8313
81070	205+88.72	-17.88	422253.8328	625062.7072
81071	205+88.72	-28.88	422250.7317	625052.1534
81072	205+97.67	-26.22	422260.0649	625052.1904
81073	205+99.71	-29.47	422261.1046	625048.4924
81074	206+21.48	-29.38	422282.0208	625042.4390
81075	206+21.48	-28.89	422282.1588	625042.9101
81076	206+23.54	-26.21	422284.8874	625044.9002
81077	206+32.48	-17.88	422295.8162	625050.3709
81078	206+32.48	-28.88	422292.7150	625039.8171
81079	206+43.00	-18.88	422305.6258	625046.4462

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
81080	206+43.00	-28.88	422302.8066	625036.8518
81081	206+49.68	-22.49	422311.0207	625041.1052
81082	206+52.97	-28.19	422312.5731	625034.7034
81083	206+53.36	-33.78	422311.3690	625029.2298
81084	206+90.02	-34.42	422346.3558	625018.2803
81085	206+89.63	-29.12	422347.4789	625023.4736
81086	206+92.24	-22.80	422351.7620	625028.8037
81087	206+99.60	-28.40	422357.2530	625021.3598
81088	206+99.60	-18.40	422360.0722	625030.9542
81089	208+00.58	-29.34	422453.8651	624991.9924
81090	208+13.37	-29.35	422466.1400	624988.3746

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
81091	208+35.06	-19.05	422489.8459	624992.1416
81092	208+54.24	-29.31	422505.3617	624976.8929
81093	208+74.62	-29.24	422524.9322	624971.2094
81094	208+85.00	-19.05	422537.7649	624978.0612



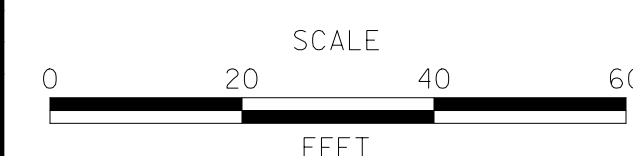
COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80038	204+37.48	28.78	422121.8817	625150.1191
80039	205+58.69	28.12	422237.9901	625115.3072
80040	205+60.28	19.45	422237.0666	625106.5454
80041	205+63.94	19.45	422240.5846	625105.5117
80042	205+65.53	28.12	422244.5477	625113.3803
80043	206+12.16	28.12	422289.2859	625100.2345
80044	206+14.32	19.45	422288.9174	625091.3097
80045	206+17.99	19.45	422292.4353	625090.2760
80046	206+20.15	28.12	422296.9534	625097.9815
80047	206+38.10	17.78	422311.2674	625083.0053

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80048	206+38.10	28.78	422314.3685	625093.5591
80049	206+49.08	29.54	422325.1098	625091.1874
80050	206+49.04	30.02	422325.2145	625091.6615
80051	206+84.75	29.61	422359.3532	625081.2001
80052	206+84.94	27.28	422358.8810	625078.9118
80053	206+95.90	28.18	422369.6540	625076.6888
80054	206+95.90	17.18	422366.5508	625066.1279
80055	207+04.74	28.18	422378.1320	625074.1976
80056	207+09.51	27.52	422382.5215	625072.2130
80057	207+13.13	18.85	422383.5466	625062.8787

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80058	207+16.79	18.85	422387.0646	625061.8450
80059	207+18.01	27.52	422390.6759	625069.8169
80060	207+40.35	27.52	422412.1102	625063.5186
80061	207+52.89	27.52	422424.1393	625059.9840
80062	208+18.97	28.21	422487.7394	625042.0174
80063	208+49.95	27.59	422517.2846	625032.6919
80064	208+52.79	18.93	422517.5696	625023.5797
80065	208+56.46	18.93	422521.0891	625022.5516
80066	208+59.28	27.61	422526.2447	625030.0744
80067	208+88.94	27.65	422554.7158	625021.7572

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80068	208+90.94	18.99	422554.1854	625012.8833
80069	208+94.60	18.99	422557.7049	625011.8551
80070	208+96.53	27.66	422561.9967	625019.6302
80114	206+45.21	22.73	422319.4762	625085.7474
80115	206+89.13	21.77	422361.3433	625072.4411
80116	206+94.37	33.17	422369.5858	625081.9067

ADDENDA / REVISIONS

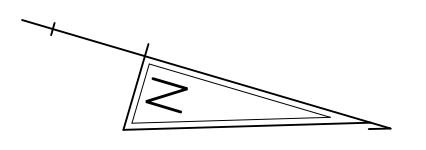


**BRADFORD STREET
STREETSCAPE ENHANCEMENTS**

CONTRACT	BRIDGE NO.	NA
T201620004	DESIGNED BY:	Z. NERWINSKI
COUNTY	CHECKED BY:	K. MURPHY
KENT		

**GRADES AND
GEOMETRICS**

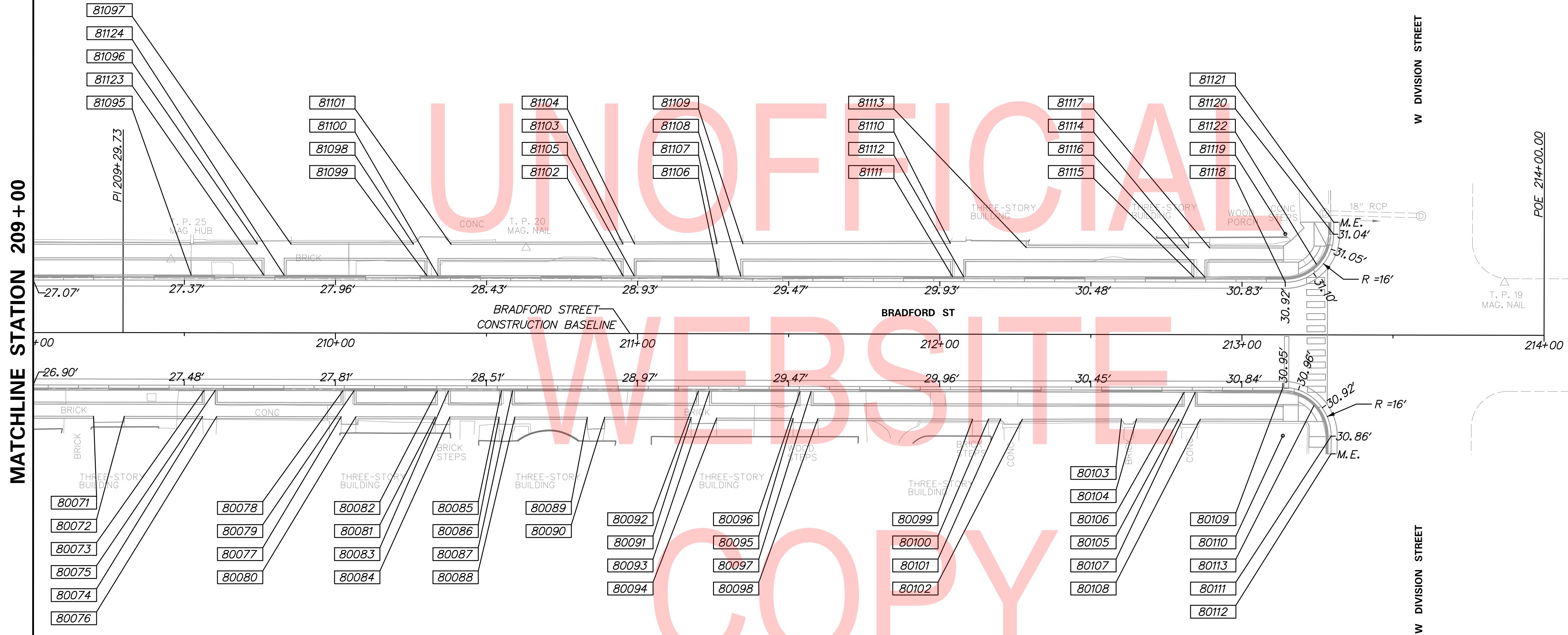
GG-02
SECTION
MCT
SHEET NO.
12



COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
81095	209+52.25	-19.05	422602.3251	624959.1279
81096	209+74.09	-29.42	422620.379	624943.0510
81097	209+85.29	-29.34	422631.1528	624939.9849
81098	210+25.78	-29.41	422670.0023	624928.5692
81099	210+30.26	-19.05	422677.209	624937.2523
81100	210+33.93	-19.05	422680.7285	624936.2241
81101	210+38.24	-29.40	422681.9639	624925.0822
81102	210+95.20	-19.05	422739.5419	624919.0431
81103	210+95.10	-29.62	422736.4836	624908.9278
81104	210+98.97	-29.64	422740.1884	624907.8262

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
81105	210+98.87	-19.05	422743.0615	624918.0150
81106	211+26.90	-19.05	422769.9673	624910.1550
81107	211+26.23	-29.77	422766.3220	624900.0541
81108	211+34.12	-19.05	422776.9007	624908.1296
81109	211+34.79	-29.81	422774.5236	624897.6150
81110	212+03.47	-30.05	422840.3834	624878.1246
81111	212+04.22	-19.05	422844.1863	624888.4736
81112	212+07.89	-19.05	422847.7059	624887.4455
81113	212+28.57	-28.72	422864.8453	624872.3679
81114	212+82.31	-28.72	422916.4309	624857.2983

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
81115	212+84.06	-19.05	422920.8212	624866.0865
81116	212+87.72	-19.05	422924.3408	624865.0583
81117	212+89.27	-28.72	422923.1136	624855.3461
81118	213+14.31	-17.38	422950.3314	624859.2021
81119	213+14.31	-33.38	422945.8449	624843.8440
81120	213+30.31	-33.32	422961.2215	624839.4213
81121	213+30.33	-37.29	422960.1237	624835.6046
81122	213+24.59	-23.39	422958.5123	624850.5505
81123	209+76.35	-19.05	422625.4631	624952.3687
81124	209+83.02	-19.05	422631.8623	624950.4993



COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80071	209+19.98	27.7	422584.5024	625013.0557
80072	209+30.21	27.72	422594.2802	625010.1994
80073	209+56.62	19.05	422617.1996	624994.4751
80074	209+56.11	27.72	422619.1487	625002.9346
80075	209+60.28	19.05	422620.7192	624993.4469
80076	209+60.78	27.72	422623.6304	625001.6254
80077	210+01.99	27.72	422663.1807	624990.0716
80078	210+02.58	19.05	422661.3199	624981.5863
80079	210+06.25	19.05	422664.8395	624980.5582
80080	210+06.84	27.72	422667.8391	624988.7108

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80081	210+33.11	27.72	422693.0588	624981.3434
80082	210+33.81	19.05	422691.2932	624972.8303
80083	210+37.47	19.05	422694.8128	624971.8022
80084	210+37.96	27.72	422697.7072	624979.9855
80085	210+55.01	19.05	422711.6421	624966.8858
80086	210+54.26	27.72	422713.3569	624975.4138
80087	210+58.67	19.05	422715.1617	624965.8577
80088	210+59.42	27.72	422718.3073	624973.9676
80089	210+83.43	27.72	422741.3600	624967.2333
80090	210+89.18	27.72	422746.8724	624965.6230

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80091	211+17.78	27.72	422774.3327	624957.6011
80092	211+20.18	19.05	422774.2044	624948.6097
80093	211+23.85	19.05	422777.7239	624947.5815
80094	211+26.25	27.93	422782.5158	624955.4326
80095	211+51.55	27.98	422806.8142	624948.3906
80096	211+53.81	19.05	422806.4821	624939.1805
80097	211+57.48	19.05	422810.0016	624938.1523
80098	211+59.74	28.00	422814.6845	624946.1096
80099	212+10.91	28.11	422863.8335	624931.8657
80100	212+16.22	28.06	422868.9171	624930.3315
80101	212+20.24	28.00	422872.7598	624929.1454

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80102	212+27.36	28.12	422879.6233	624927.2668
80103	212+60.19	27.93	422911.0873	624917.8720
80104	212+65.18	27.92	422915.8741	624916.4654
80105	212+79.20	27.95	422929.3346	624912.5634
80106	212+80.94	19.05	422928.5085	624903.5332
80107	212+84.60	19.05	422932.0281	624902.5051
80108	212+86.27	27.99	422936.1410	624910.6205
80109	213+13.60	17.38	422959.3914	624892.7752
80110	213+13.60	33.38	422963.8779	624908.1333
80111	213+29.60	33.48	422979.2635	624903.7417
80112	213+29.56	39.34	422980.8722	624909.3777
80113	213+23.88	23.40	422970.9466	624895.6644

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ADDENDA / REVISIONS

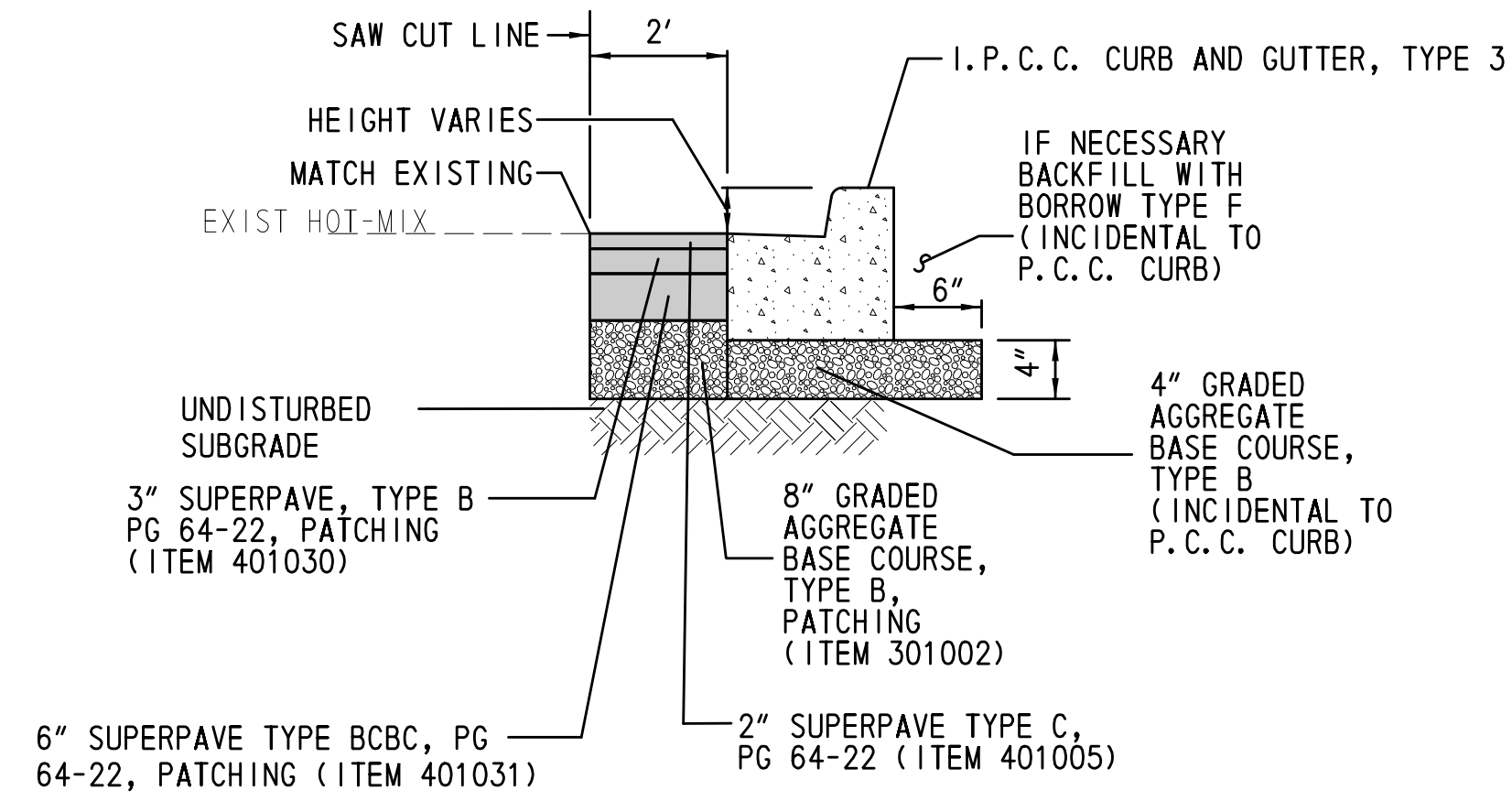


**BRADFORD STREET
STREETSCAPE ENHANCEMENTS**

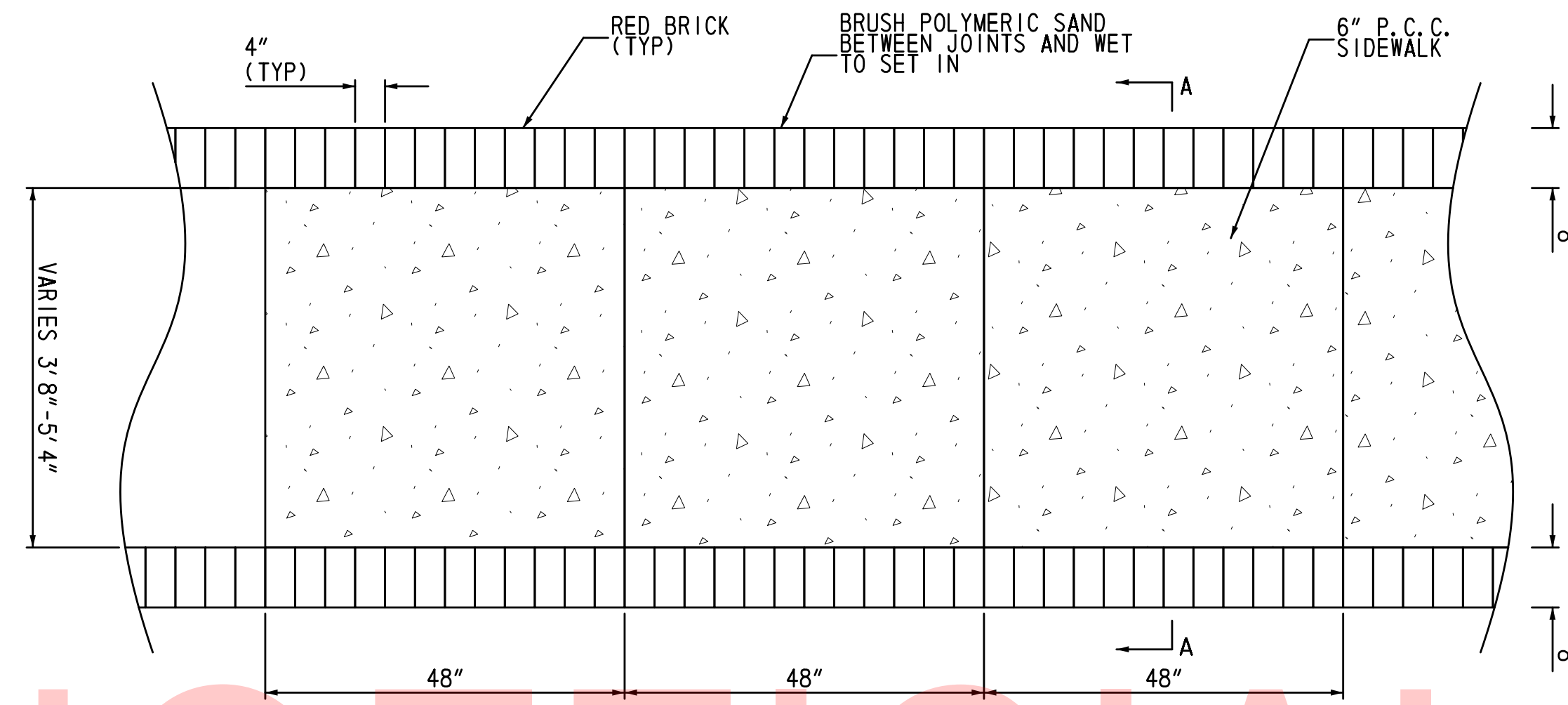
CONTRACT	BRIDGE NO.	NA
T201620004	DESIGNED BY:	Z. NERWINSKI
COUNTY	CHECKED BY:	K. MURPHY
KENT		

**GRADES AND
GEOMETRICS**

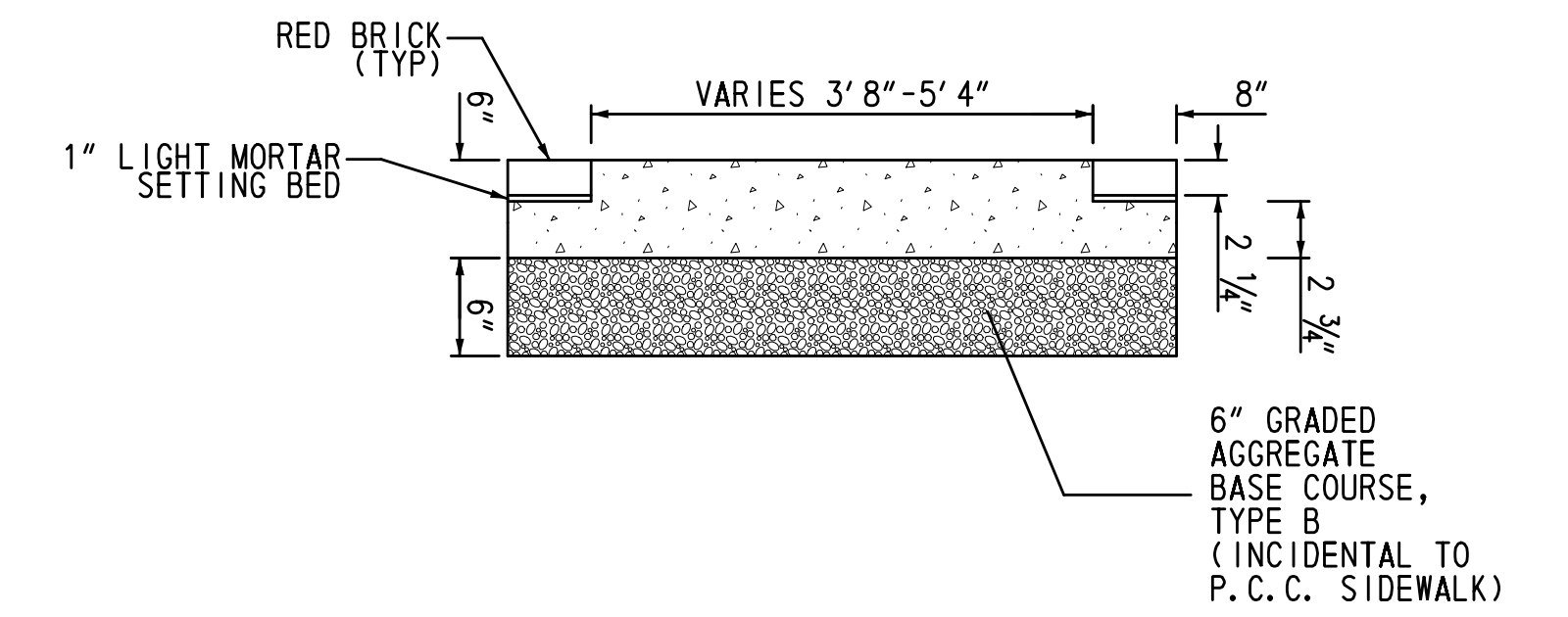
GG-03
SECTION
McT
SHEET NO.
13



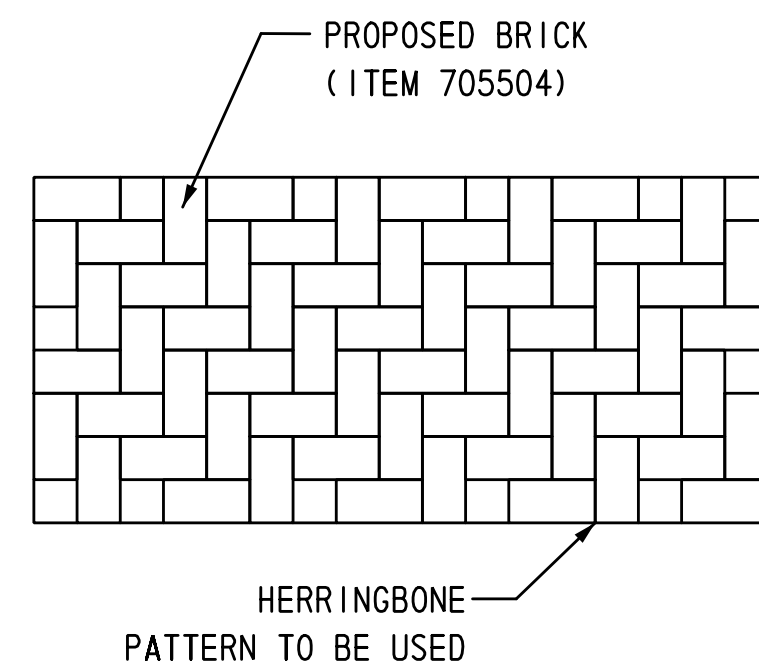
P.C.C. CURB AND GUTTER PATCHING DETAIL
NOT TO SCALE



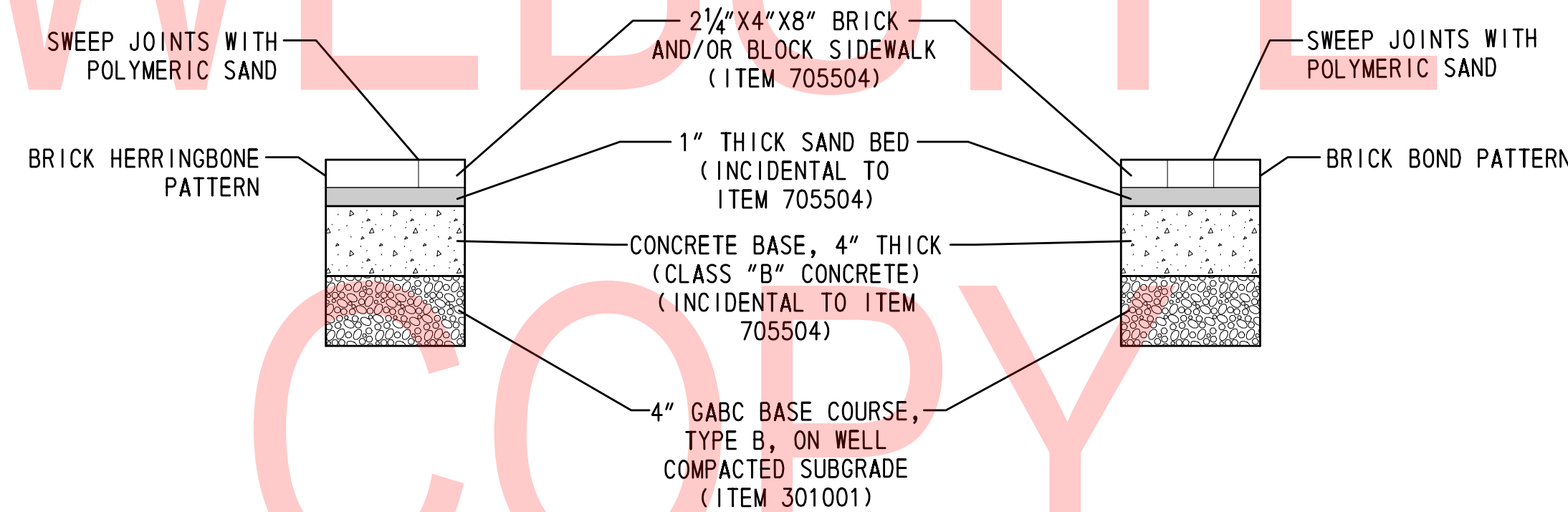
BRICK EDGED 6\"/>



A-A SECTION VIEW



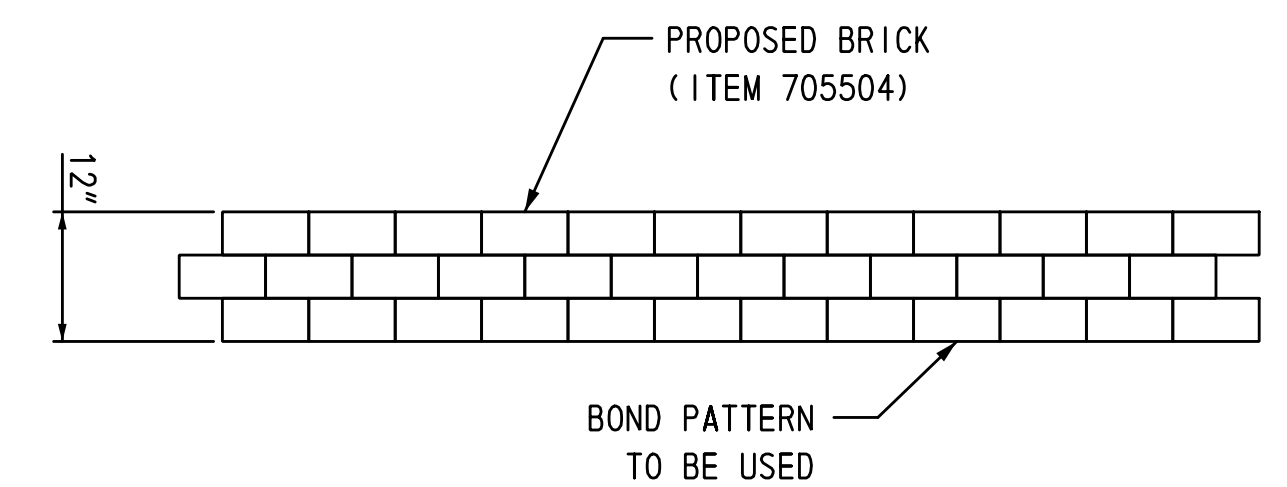
BRICK HERRINGBONE PATTERN
NOT TO SCALE



NOTES:

1. PLASTIC EDGE RESTRAINTS AND SAND BED ARE INCIDENTAL TO ITEM 705504 BRICK AND/OR BLOCK SIDEWALK

BRICK AND/OR BLOCK SIDEWALK DETAIL - ITEM 705504
NOT TO SCALE



BRICK BOND PATTERN
NOT TO SCALE

ADDENDA / REVISIONS

NOT TO SCALE

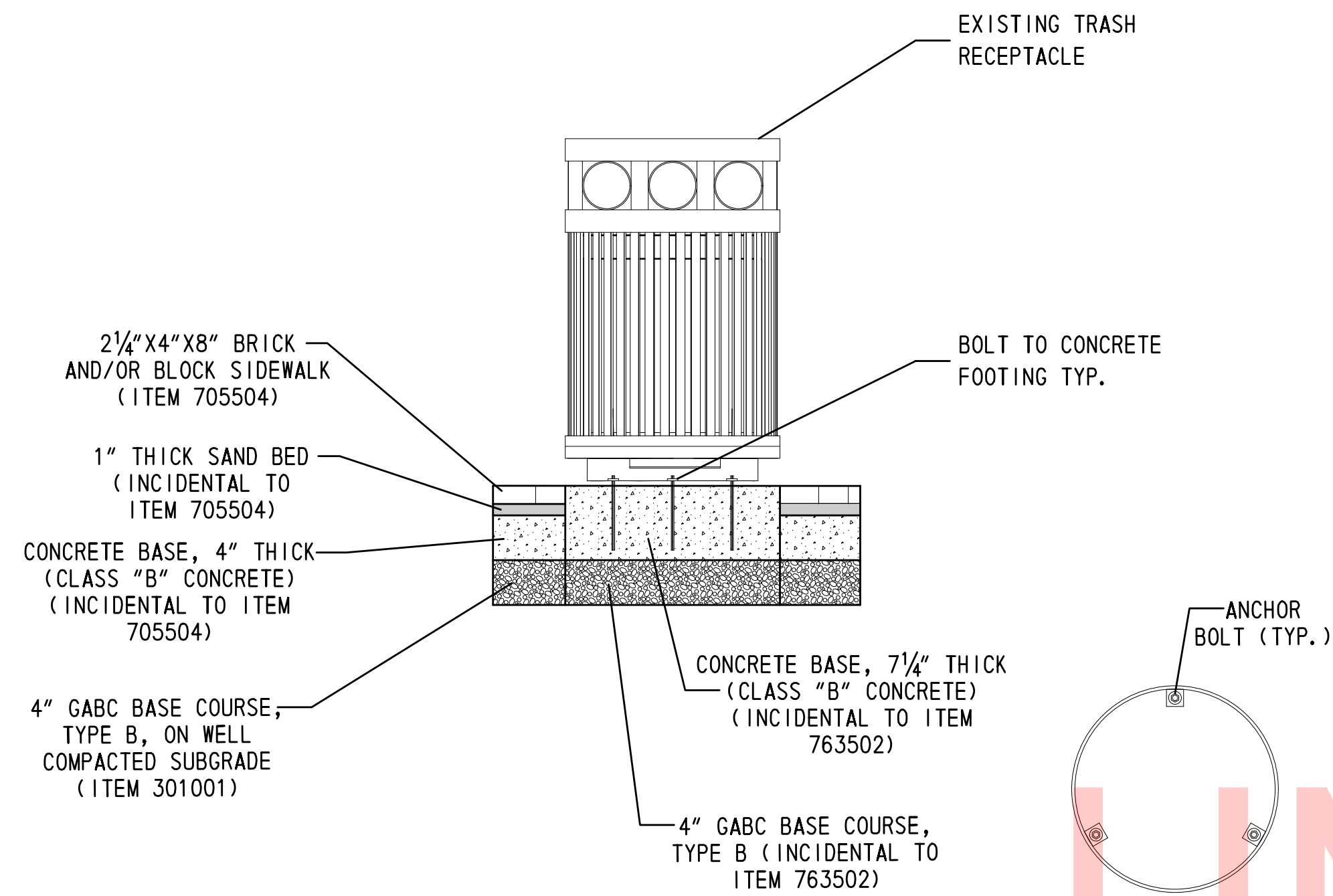
**BRADFORD STREET
STREETSCAPE ENHANCEMENTS**

CONTRACT T201620004	BRIDGE NO. NA
COUNTY KENT	DESIGNED BY: Z. NERWINSKI
	CHECKED BY: K. MURPHY

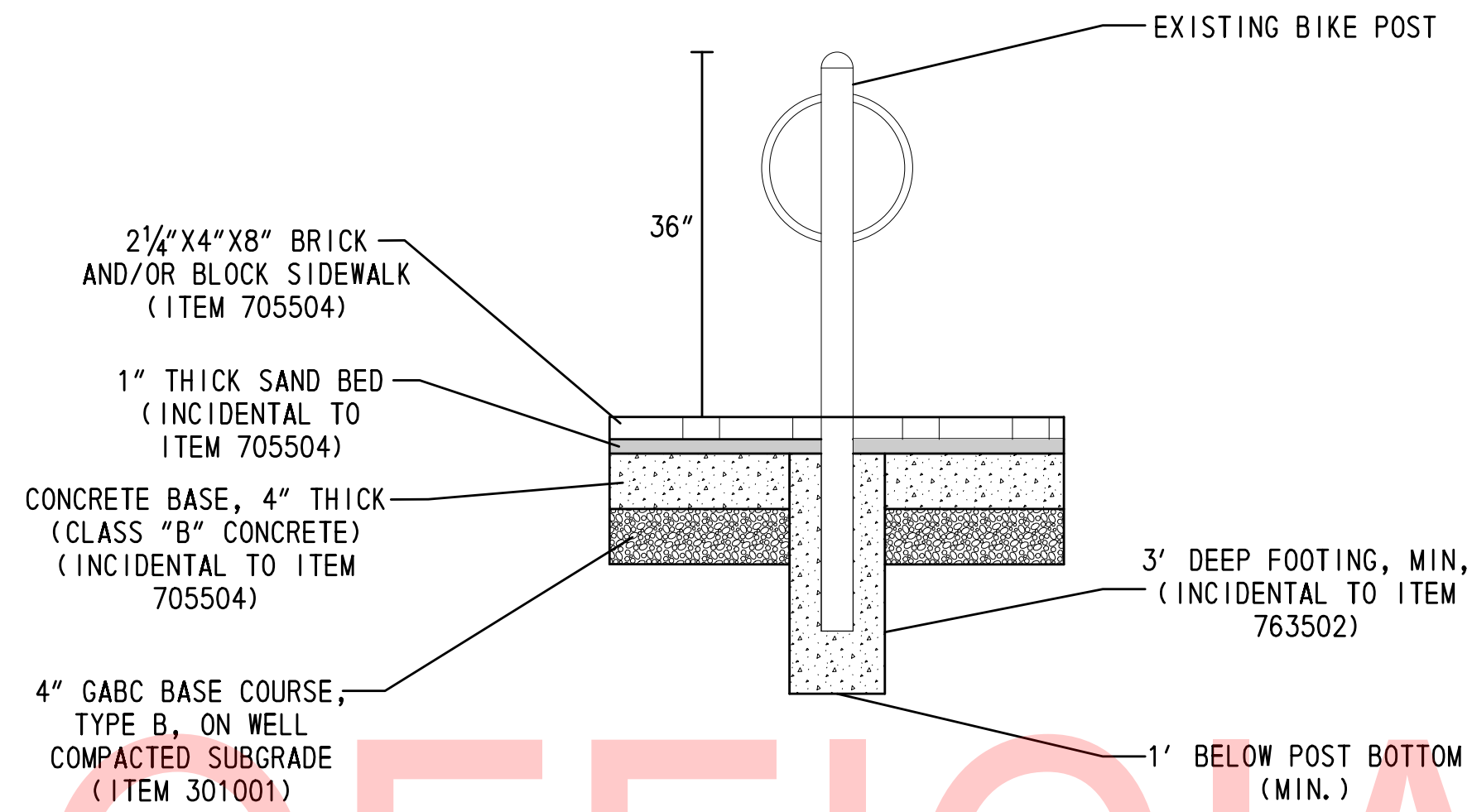
CONSTRUCTION DETAILS

DT-01

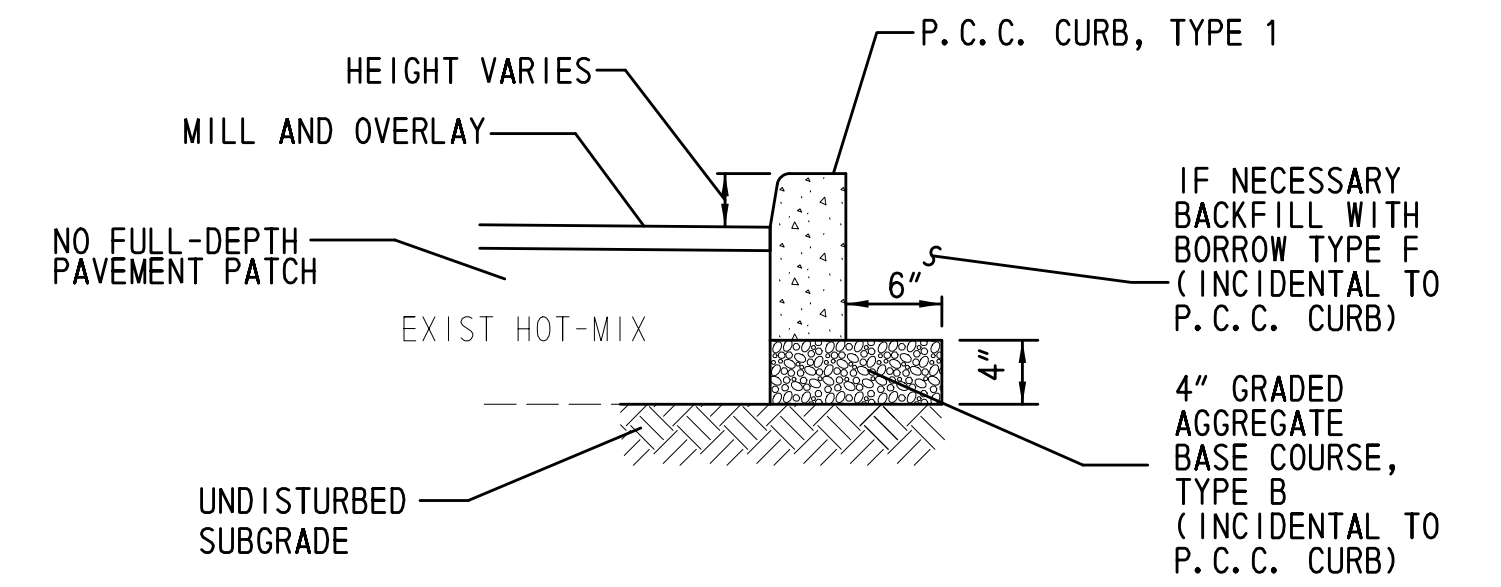
SECTION McT
SHEET NO. 14



RELOCATE TRASH RECEPTACLE
ITEM 763502 - SITE FURNISHINGS
NOT TO SCALE

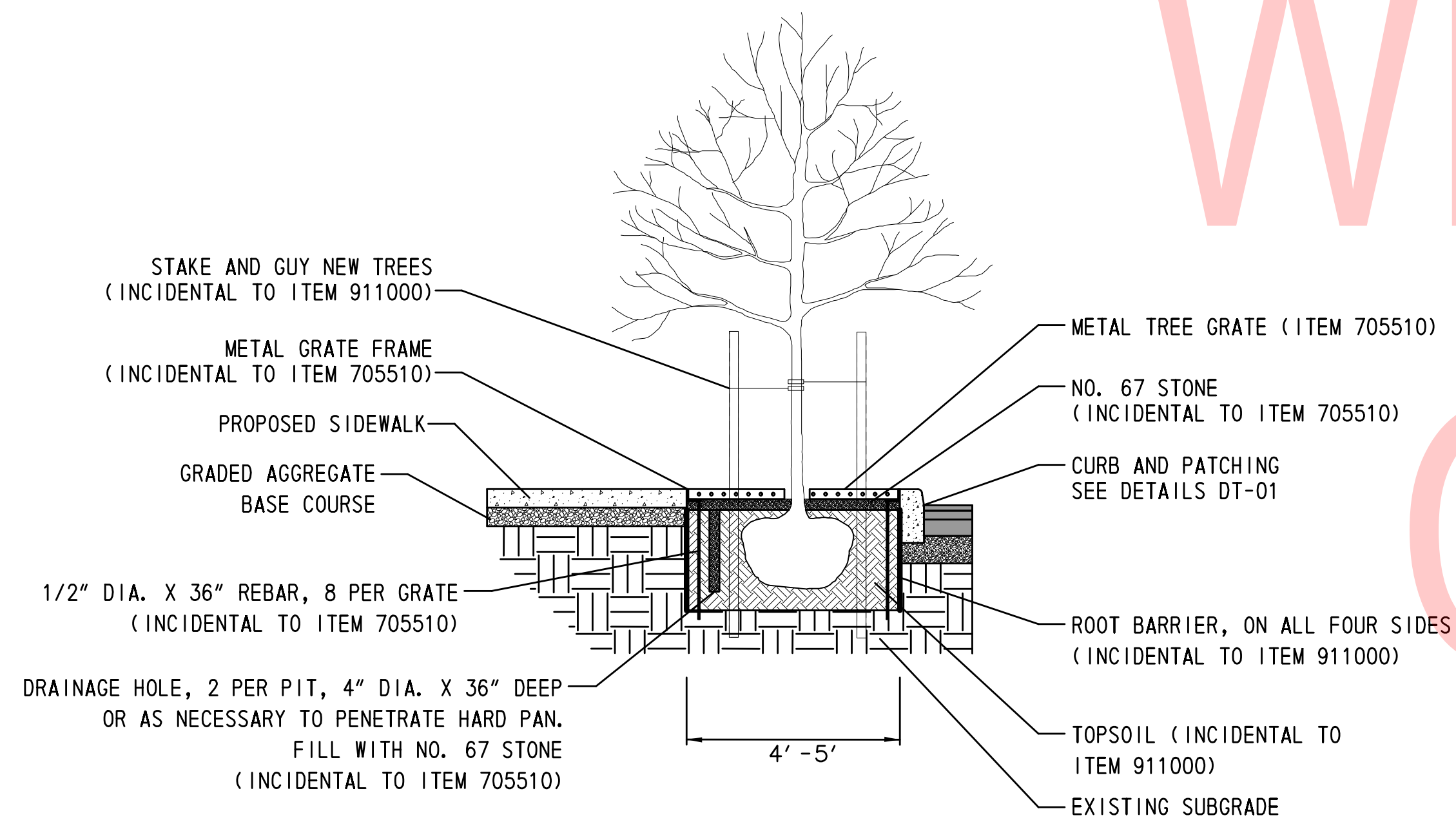


RELOCATE BIKE POST
ITEM 763502 - SITE FURNISHINGS
NOT TO SCALE

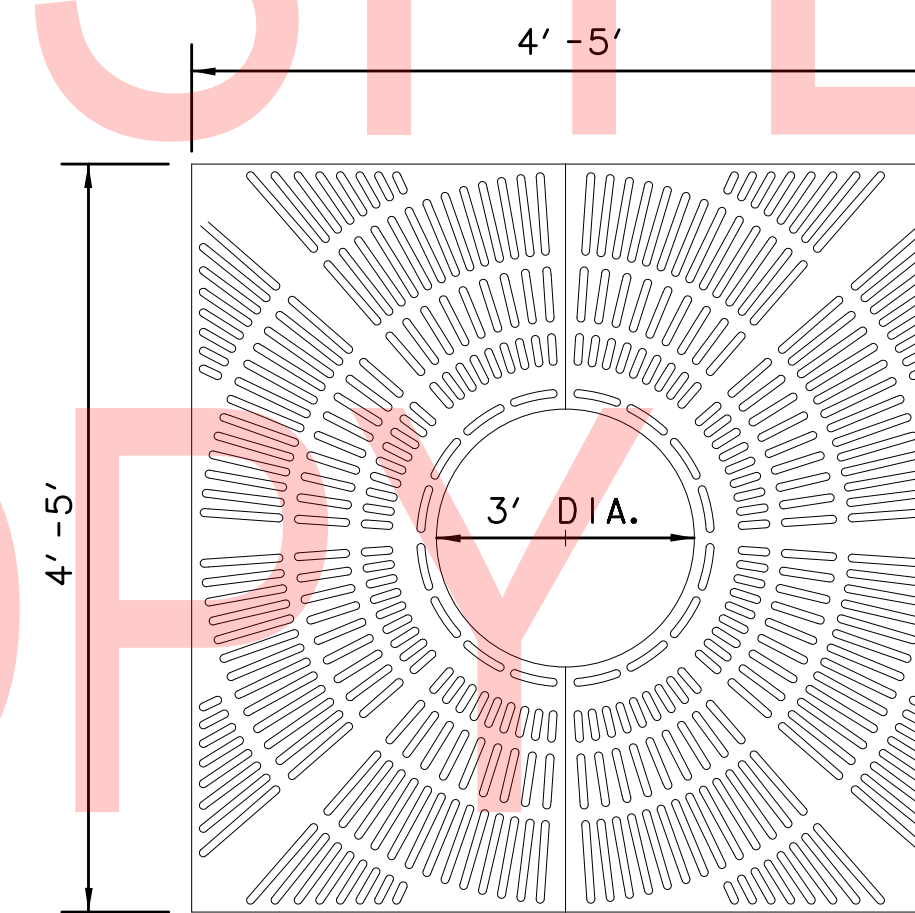


NOTE
1. EXCAVATE BEHIND EXISTING CURB AND PULL EXISTING CURB AWAY FROM THE EXISTING PAVEMENT.

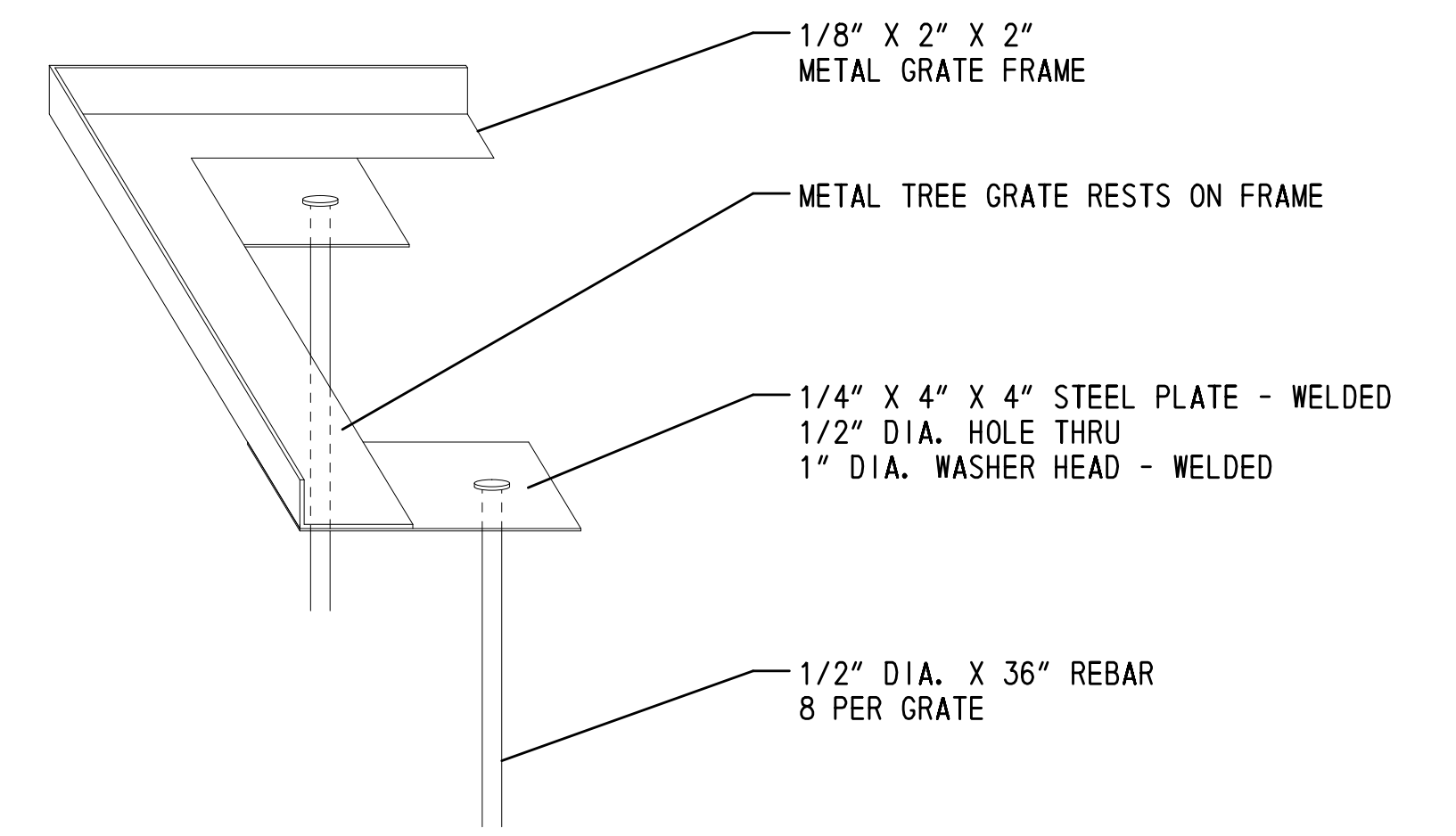
P.C.C. CURB DETAIL
STA. 206+38.91 TO STA. 207+01.19
NOT TO SCALE



TREE PIT DETAIL
NOT TO SCALE



METAL GRATE
PLAN VIEW



METAL FRAME
ISOMETRIC VIEW

TREE GRATE AND FRAME DETAIL
NOT TO SCALE

NOTES
1. INSTALL IN ACCORDANCE WITH SECTION 911.
2. USE EDGE RESTRAINT WHERE TREE PIT IS BORDERED BY BRICK SIDEWALK. INCIDENTAL TO ITEM 705504.

1/27/2020 3:01:09 PM ...DT02_Bradford Street.dgn
McCormick Taylor

ADDENDA / REVISIONS

NOT TO SCALE

BRADFORD STREET
STREETSCAPE ENHANCEMENTS

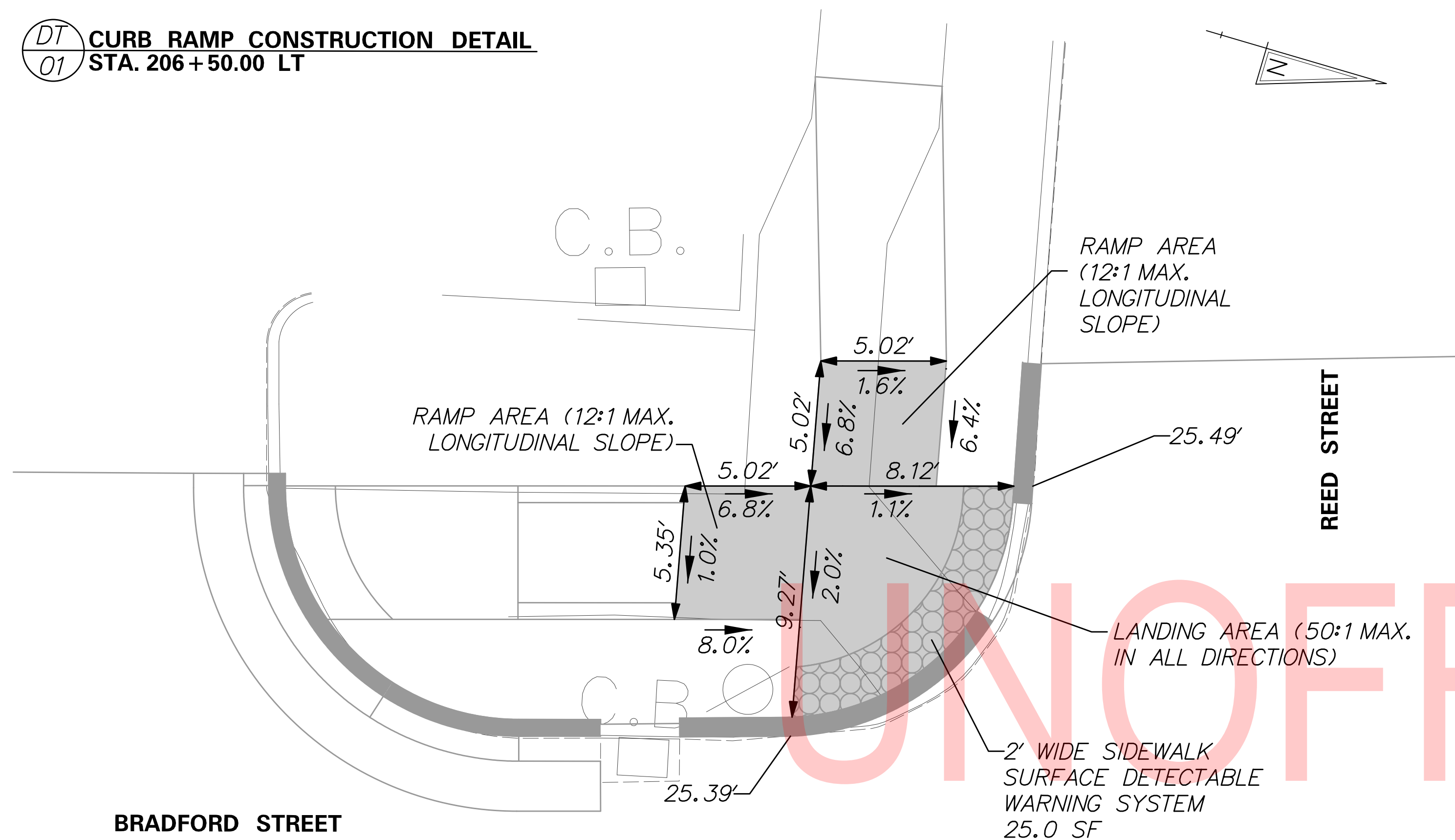
CONTRACT	BRIDGE NO.	NA
T201620004	DESIGNED BY:	Z. NERWINSKI
COUNTY	CHECKED BY:	K. MURPHY
KENT		

CONSTRUCTION DETAILS

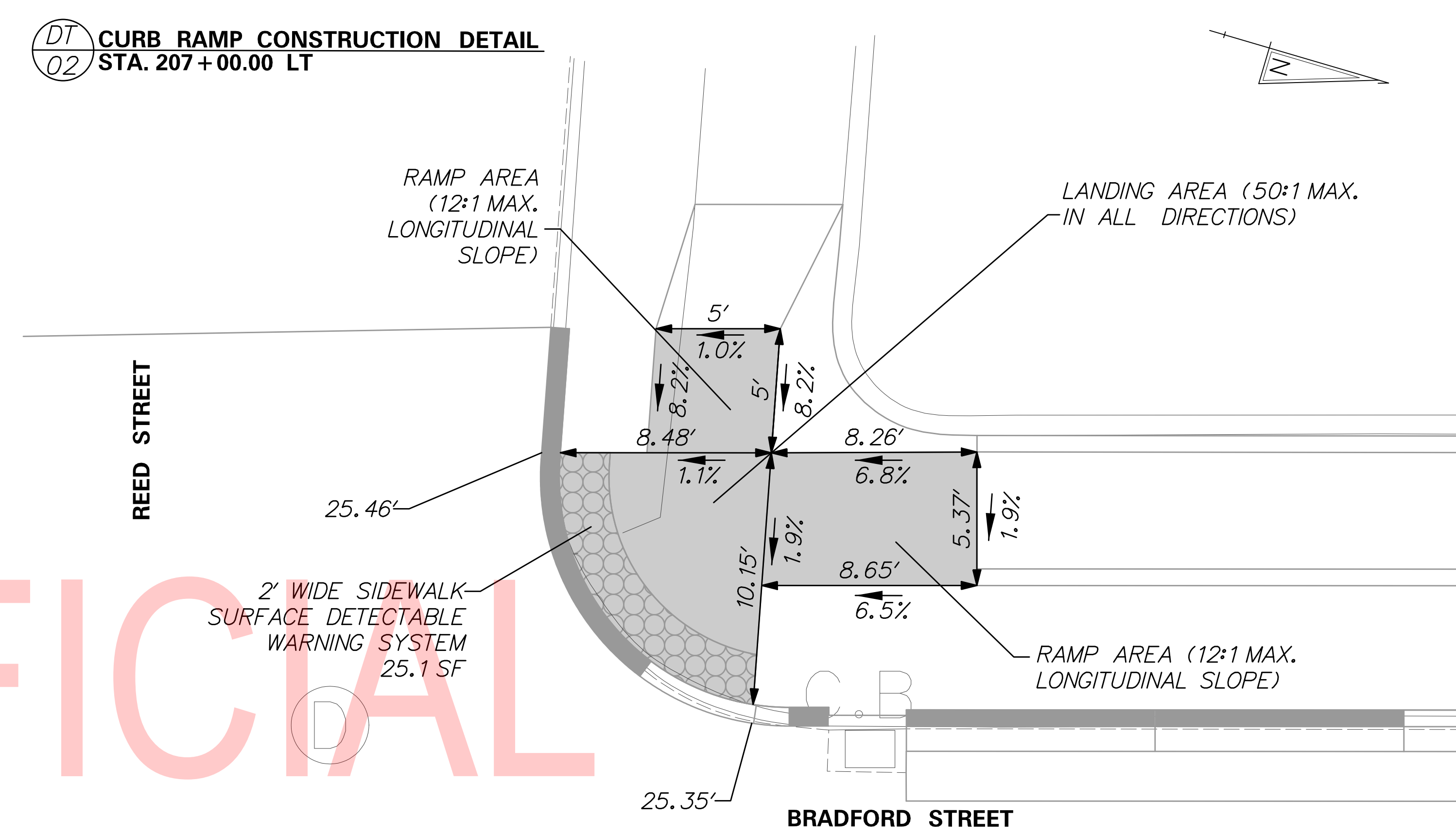
DT-02

SECTION
McT
SHEET NO.
15

DT 01 CURB RAMP CONSTRUCTION DETAIL
STA. 206+50.00 LT



DT 02 CURB RAMP CONSTRUCTION DETAIL
STA. 207+00.00 LT

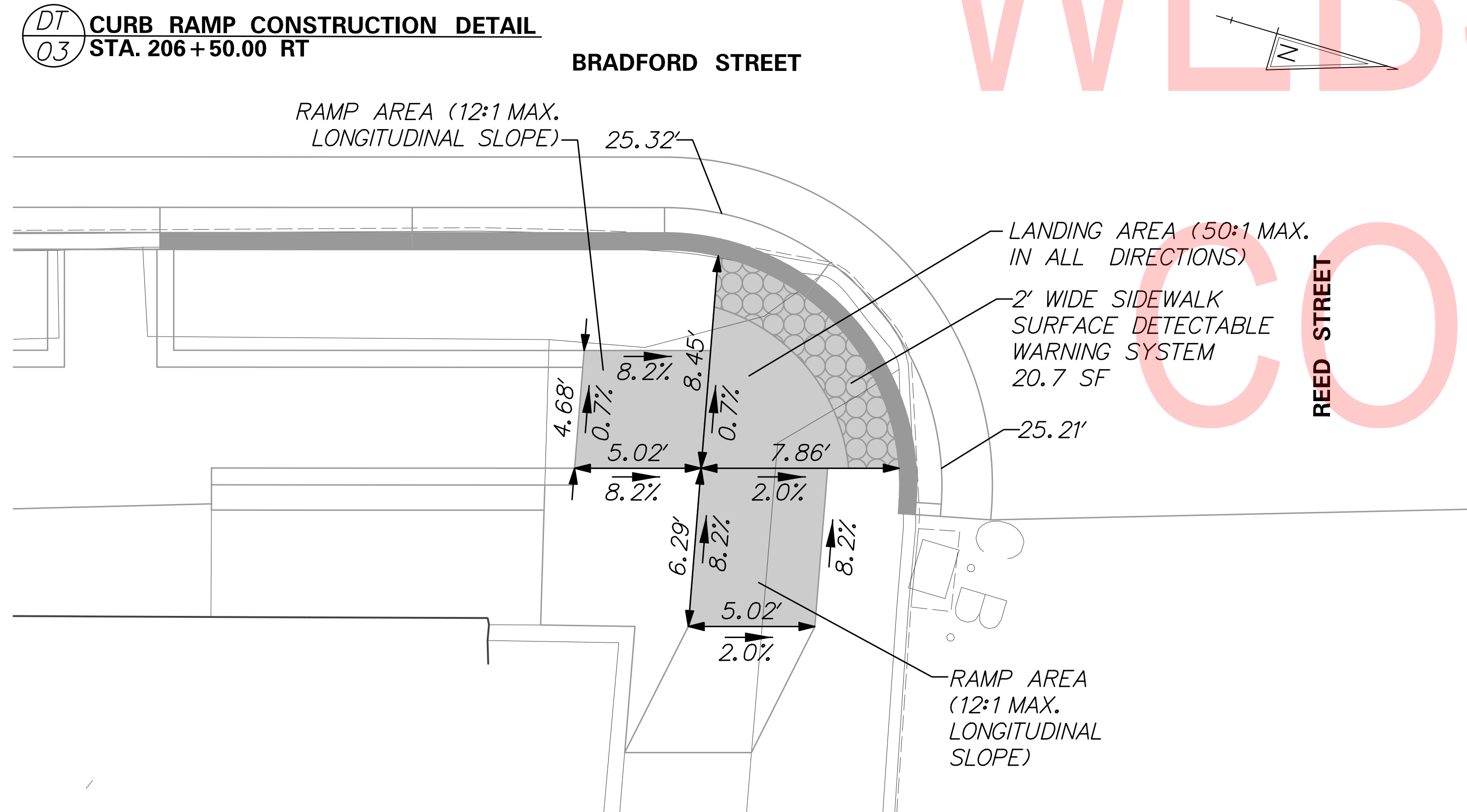


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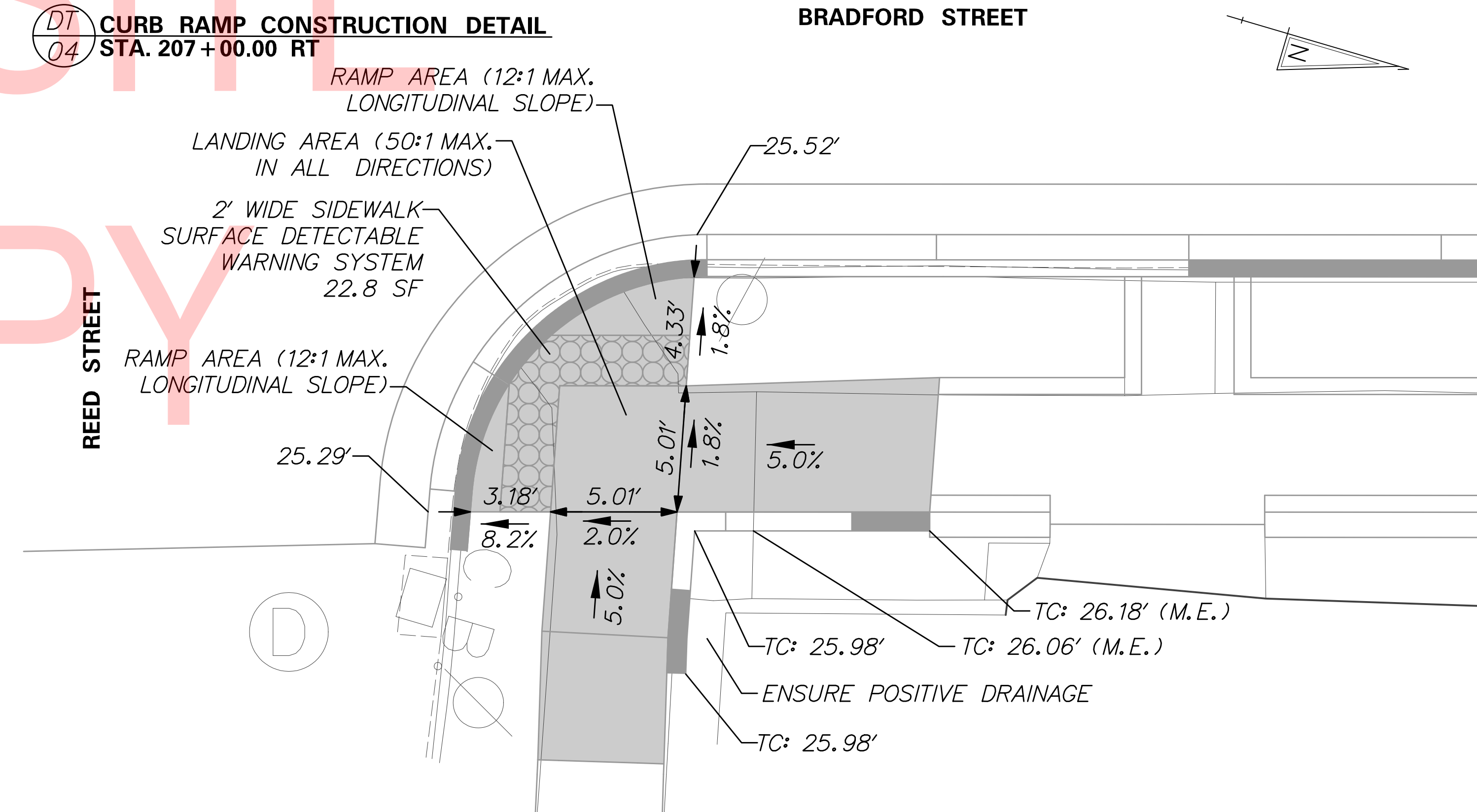
1. LANDING AREAS SHALL NOT EXCEED A 2% CROSS SLOPE AND A 2% RUNNING SLOPE.
2. DETECTABLE WARNING SURFACES SHALL BE PLANAR AND FLUSH WITH ADJACENT SURFACES.
3. REFER TO GRADES AND GEOMETRIC PLANS FOR ADDITIONAL GRADES.

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 03 CURB RAMP CONSTRUCTION DETAIL
STA. 206+50.00 RT



DT 04 CURB RAMP CONSTRUCTION DETAIL
STA. 207+00.00 RT



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ADDENDA / REVISIONS

NOT TO SCALE

BRADFORD STREET
STREETSCAPE ENHANCEMENTS

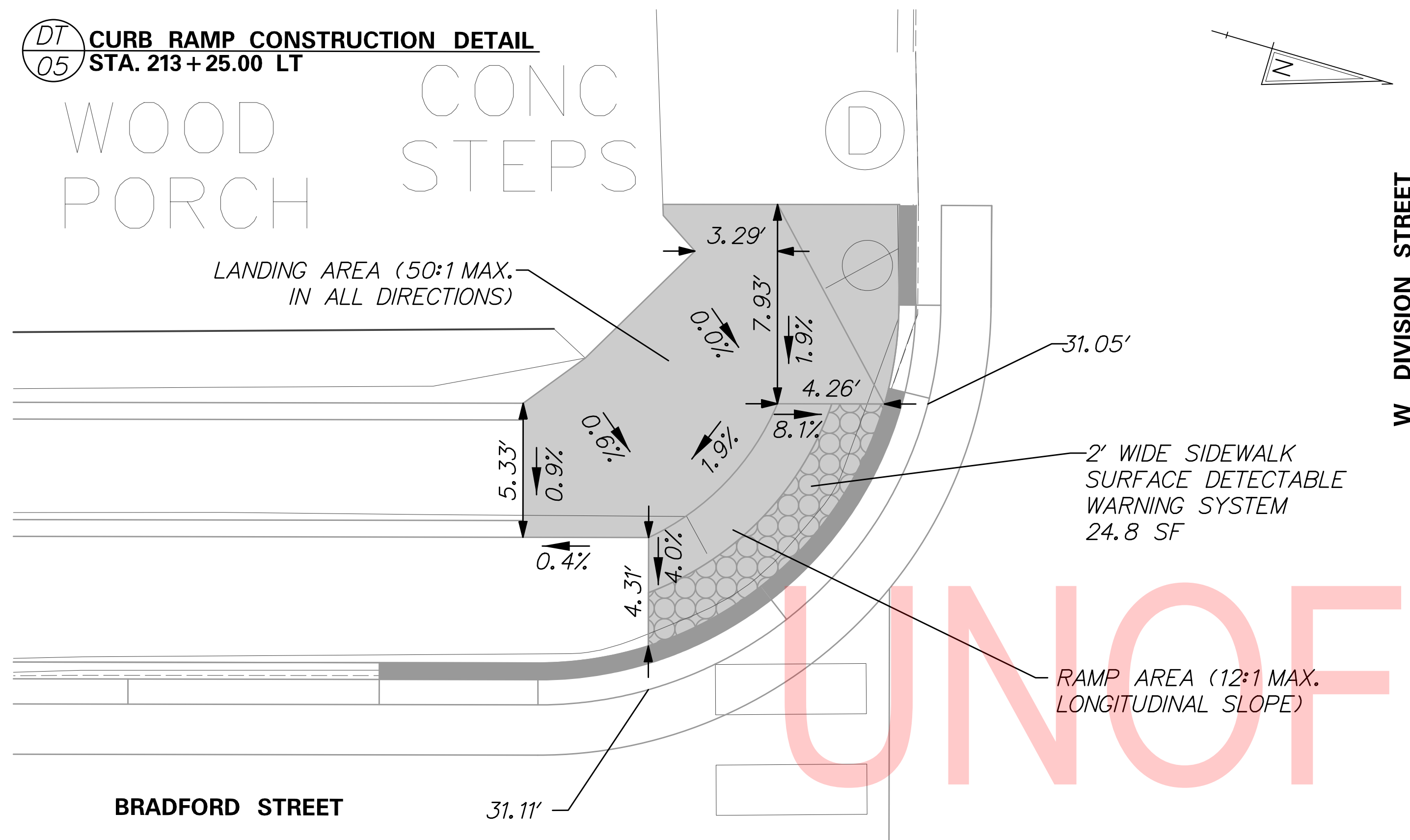
CONTRACT	BRIDGE NO.	NA
T201620004	DESIGNED BY:	Z. NERWINSKI
COUNTY	CHECKED BY:	K. MURPHY
KENT		

CONSTRUCTION DETAILS

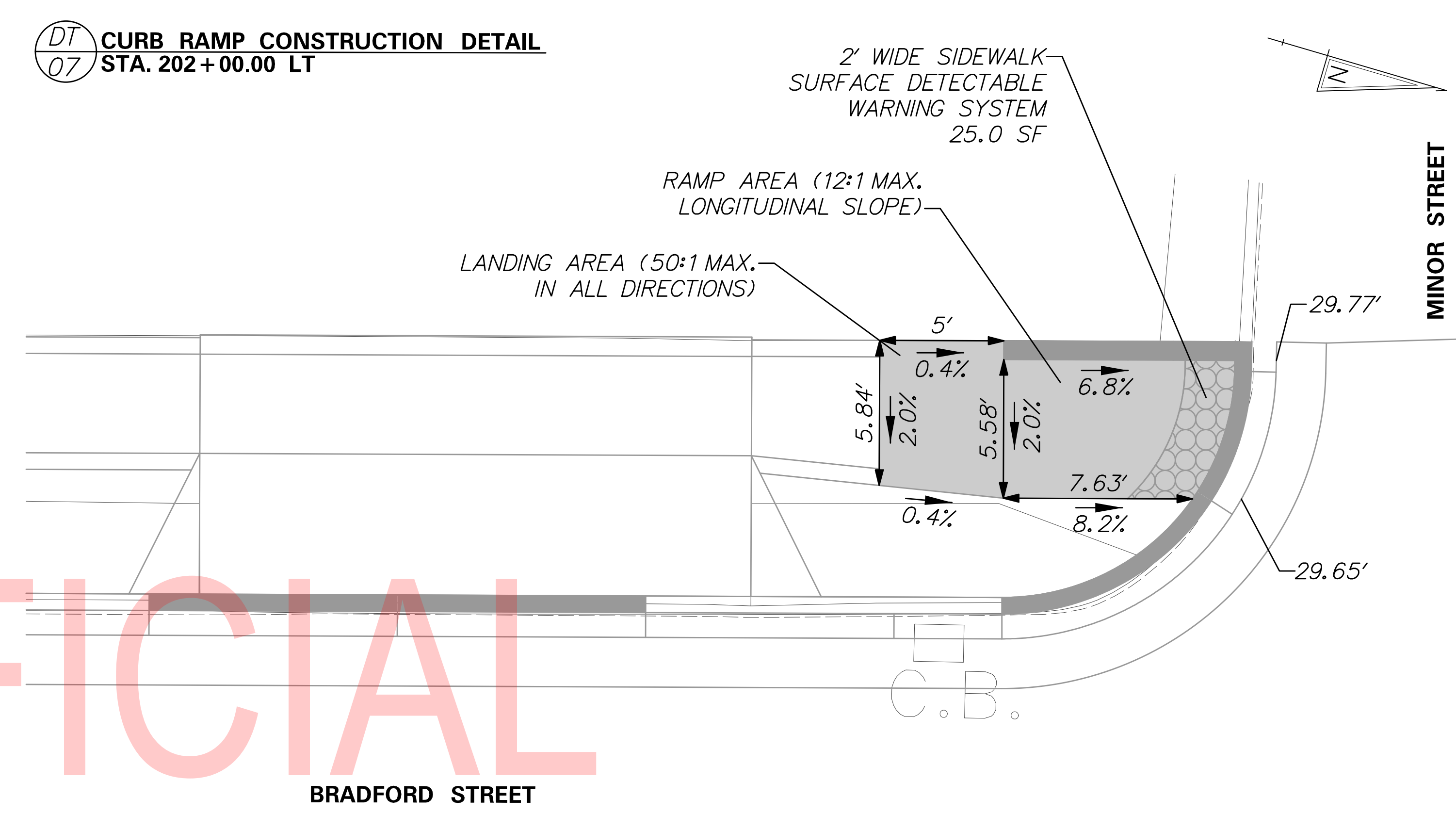
DT-03

SECTION
McT
SHEET NO.
16

DT 05 CURB RAMP CONSTRUCTION DETAIL
STA. 213+25.00 LT



DT 07 CURB RAMP CONSTRUCTION DETAIL
STA. 202+00.00 LT

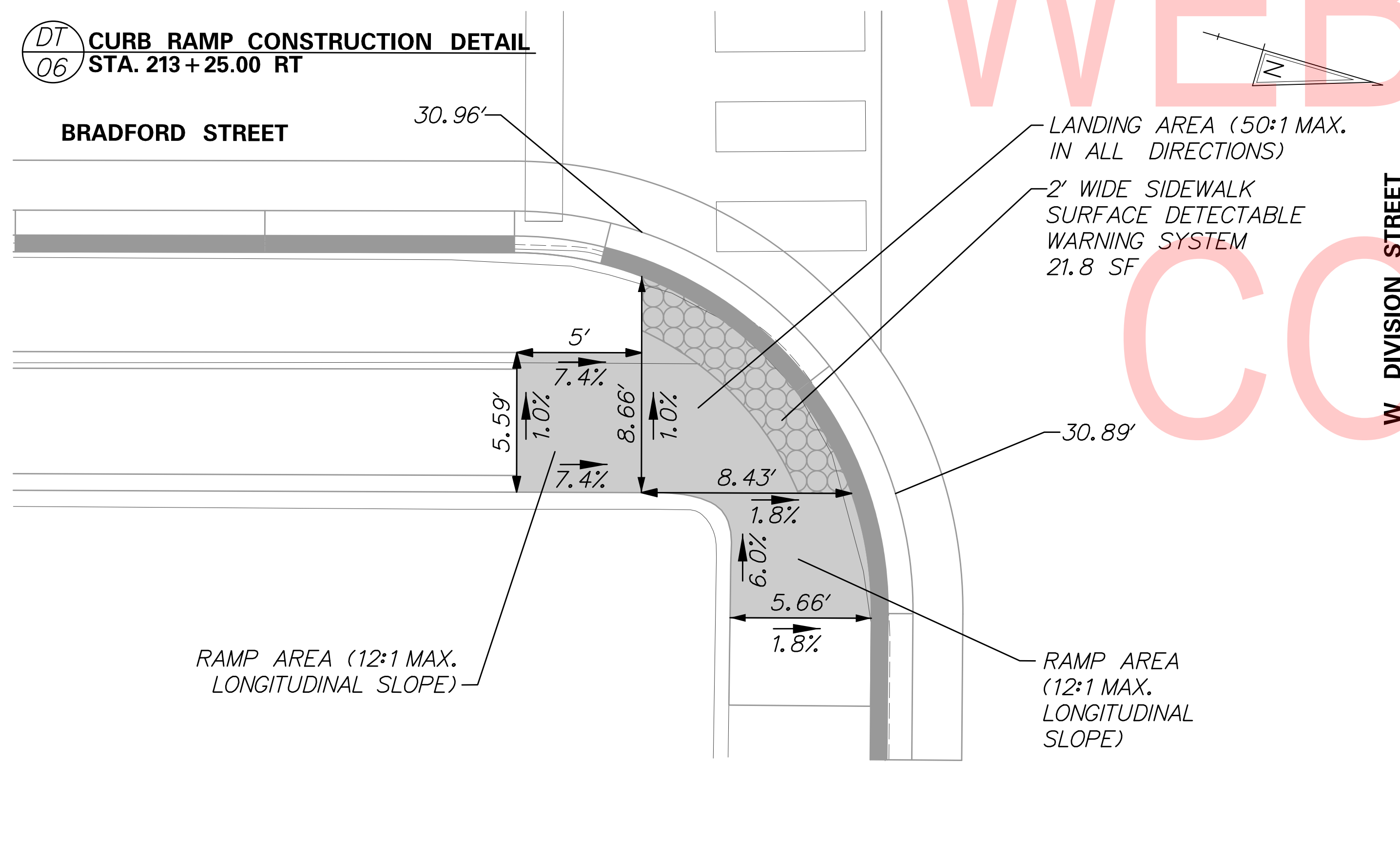


NOTES:

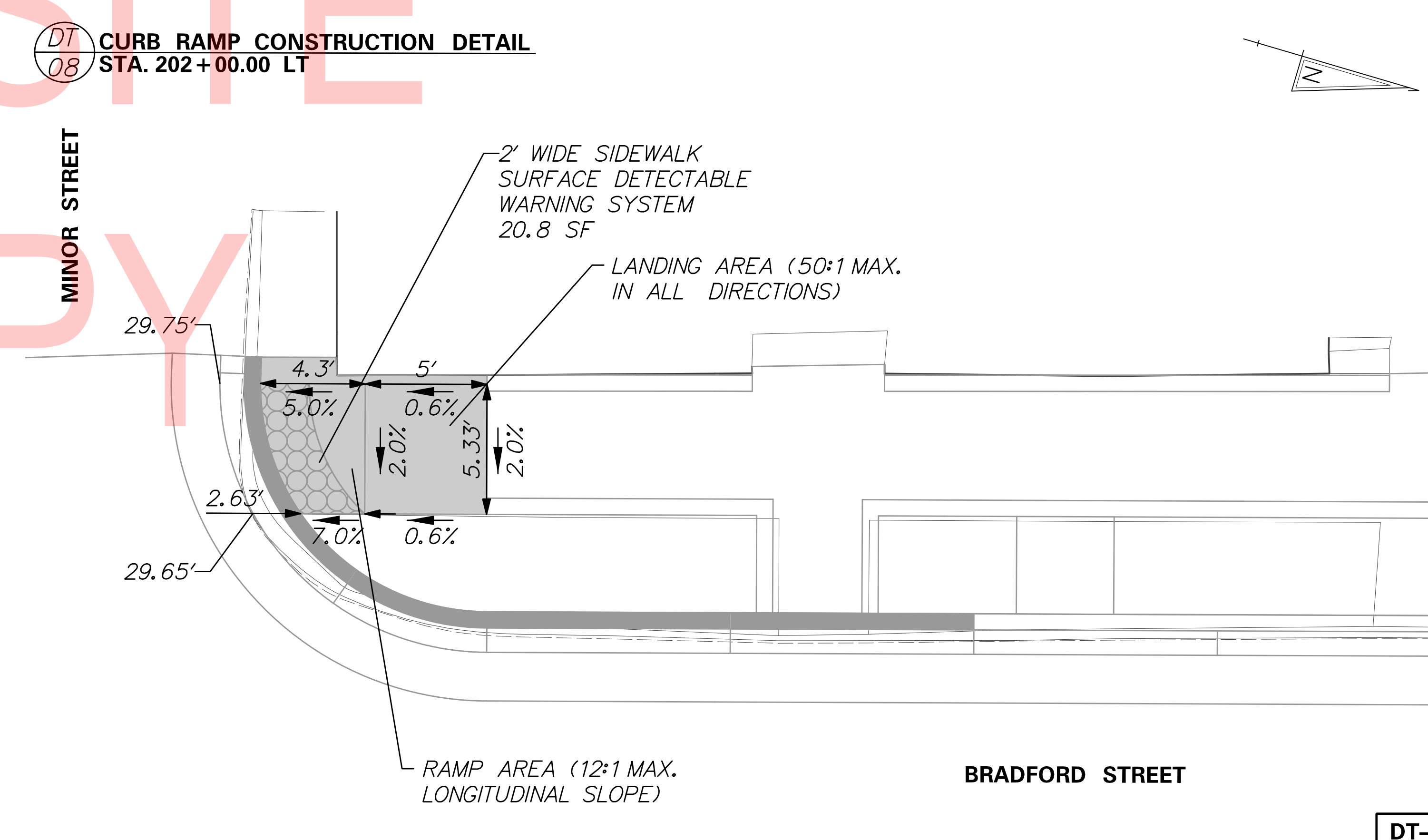
1. LANDING AREAS SHALL NOT EXCEED A 2% CROSS SLOPE AND A 2% RUNNING SLOPE.
2. DETECTABLE WARNING SURFACES SHALL BE PLANAR AND FLUSH WITH ADJACENT SURFACES.
3. REFER TO GRADES AND GEOMETRIC PLANS FOR ADDITIONAL GRADES.

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 06 CURB RAMP CONSTRUCTION DETAIL
STA. 213+25.00 RT



DT 08 CURB RAMP CONSTRUCTION DETAIL
STA. 202+00.00 LT



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ADDENDA / REVISIONS

NOT TO SCALE

BRADFORD STREET
STREETSCAPE ENHANCEMENTS

CONTRACT	BRIDGE NO.	NA
T201620004	DESIGNED BY:	Z. NERWINSKI
COUNTY	CHECKED BY:	K. MURPHY
KENT		

CONSTRUCTION DETAILS

DT-04

SECTION
McT
SHEET NO.
17

PREPARED BY

Brendan Paul Davis 01/10/2020
 THIS SEAL APPLIES TO ALL SHEETS BEARING THE "McT" SECTION DESIGNATION. DATE
 "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 01/31/2020
 DELDOT STORMWATER ENGINEER DATE
 "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."



WARNING SIGN LEGEND

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

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

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**

TYPICAL DRIVEWAY/ENTRANCE RECONSTRUCTION
NOT TO SCALE

NOTES:

- THIS DETAIL PROVIDES THE PROPER TRAFFIC CONTROL DEVICES AT DRIVEWAYS AND ENTRANCES THAT ARE TO BE BUILT IN HALF-SECTION UNDER FLAGGER CONTROL. APPLICATION OF THIS DETAIL SHALL BE INDICATED ON THE PLANS, DURING DAYLIGHT HOURS, OR AS DIRECTED BY THE ENGINEER. TRAFFIC CONTROL DEVICES AT ENTRANCES SHALL BE RESET TO MAIN PHASE AT END OF EACH WORKING DAY.
- CHANNELIZATION THROUGH ENTRANCE AREA SHALL BE ACCOMPLISHED WITH DRUMS PLACED AT A MINIMUM 9' ON EDGE UNLESS OTHERWISE DIRECTED BY THE ENGINEER. DRUM LAYOUT SHALL ACCOMMODATE LARGEST DESIGN VEHICLE EXPECTED TO USE ENTRANCE.
- TRAFFIC CONTROL DEVICES ALONG MAINLINE ROADWAY SHALL BE SHOWN ON CONSTRUCTION PHASING PLANS.
- DEPENDENT ON TRAFFIC VOLUME UTILIZING ENTRANCE AND OTHER SITE-SPECIFIC CONDITIONS, THE NUMBER OF FLAGGERS USED DURING ENTRANCE CONSTRUCTION MAY BE REDUCED FROM 2 TO 1, SUBJECT TO APPROVAL OF DELDOT TRAFFIC ENGINEER OR DESIGNEE.

- GENERAL MOT NOTES:**
- MAINTENANCE OF TRAFFIC DURING LANE CLOSURES AND LANE SHIFTS SHALL CONFORM TO TYPICAL APPLICATIONS 10 AND 29 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.
 - AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED TRAFFIC CONTROL SUPERVISOR REQUIREMENT FOR THIS PROJECT.

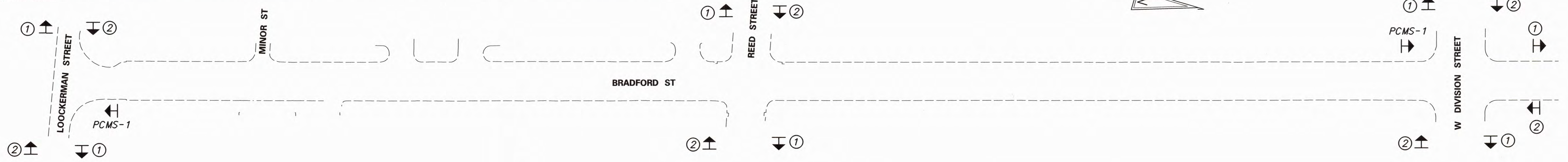
(X)	THE CONTRACTOR SHALL NOT BE REQUIRED TO HAVE AN ATSSA SUPERVISOR ASSIGNED TO THIS PROJECT.
()	THE CONTRACTOR SHALL HAVE AN ATSSA SUPERVISOR ASSIGNED TO THIS PROJECT. THE CONTRACTOR'S GENERAL SUPERINTENDENT FOR THIS PROJECT OR ANOTHER ATSSA CERTIFIED MEMBER OF THE CONTRACTOR'S PROJECT STAFF MAY BE THE ATSSA SUPERVISOR. PAYMENT FOR ATSSA SUPERVISOR IS INCIDENTAL TO ITEM 801000.
 - OBTAIN "NO PARKING" PLAQUES FROM THE CITY OF DOVER AND INSTALL IN LOCATIONS WHERE THE EXISTING PARKING LANE IS TO BE CLOSED.
 - 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.

ALLOWABLE LANE CLOSURE HOURS: BRADFORD STREET

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

LANE CLOSED ■ LANE OPEN □

- GENERAL EROSION AND SEDIMENT CONTROL NOTES:**
- 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 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.



McCORMICK & TAYLOR 1/10/2020 8:39:24 AM ... \CS01_Bradford Street.dgn

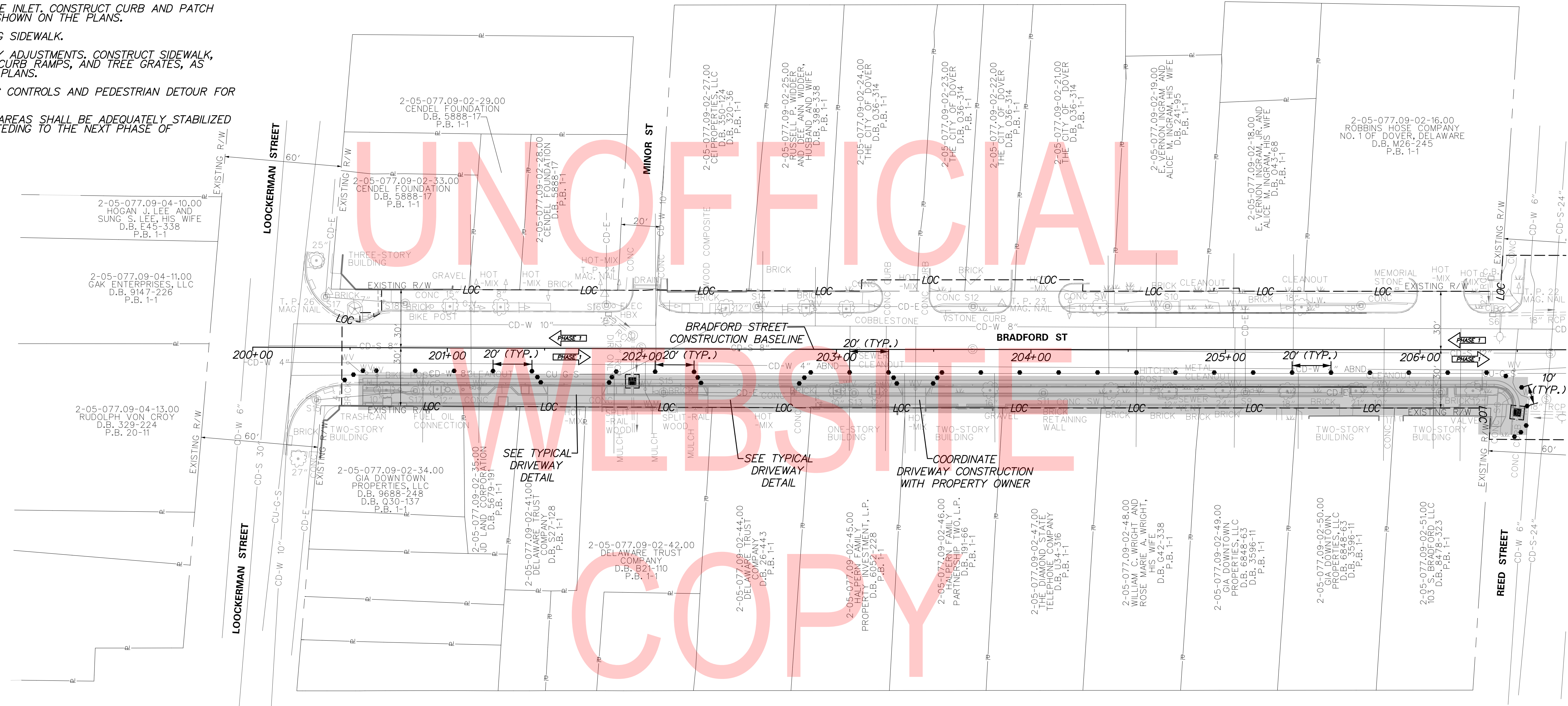
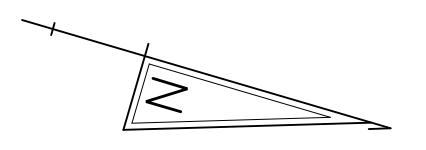
SUGGESTED SEQUENCE OF CONSTRUCTION

PHASE 1:

1. INSTALL TRAFFIC CONTROL AND EROSION & SEDIMENT CONTROL DEVICES, AS SHOWN ON THE PLANS. COORDINATE WITH DELDOT CONSTRUCTION AND THE CITY OF DOVER TO CLOSE PARKING ON THE EAST SIDE OF BRADFORD STREET.
2. INSTALL PEDESTRIAN DETOUR FOR PHASE 1 USING TYPICAL APPLICATION 29.
3. DURING WORK HOURS, USE TYPICAL APPLICATION 10 TO PERFORM WORK AT THE INTERSECTIONS AND ALONG BRADFORD STREET AS NEEDED. AT THE END OF THE WORK DAY, RESTORE BRADFORD STREET TO TWO LANES, AS SHOWN ON THIS SHEET.
4. REMOVE TREES AND CLEAR & GRUB WITHIN THE ENTIRE PROJECT AREA.
5. REMOVE EXISTING CURB AND PAVEMENT PATCH.
6. ADJUST DRAINAGE INLET, CONSTRUCT CURB AND PATCH PAVEMENT, AS SHOWN ON THE PLANS.
7. REMOVE EXISTING SIDEWALK.
8. PERFORM UTILITY ADJUSTMENTS, CONSTRUCT SIDEWALK, BRICK BUFFER, CURB RAMPS, AND TREE GRATES, AS SHOWN ON THE PLANS.
9. REMOVE TRAFFIC CONTROLS AND PEDESTRIAN DETOUR FOR PHASE 1.
10. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED PRIOR TO PROCEEDING TO THE NEXT PHASE OF CONSTRUCTION.

NOTES:

1. CONTRACTOR SHALL ONLY REMOVE THE AMOUNT OF SIDEWALK THAT CAN BE FILLED IN AT THE END OF THE DAY AND COVERED WITH ADA ACCESSIBLE TEMPORARY PATHWAYS IN ORDER TO MAINTAIN ACCESS FOR PROPERTY OWNERS IN THE WORK AREA. PAYMENT FOR PATHWAYS SHALL BE INCIDENTAL TO ITEM 801000 - MAINTENANCE OF TRAFFIC.
2. MAINTAIN PARKING ON WEST SIDE OF BRADFORD STREET.



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 ...\\CS02_Bradford Street.dgn
McCormick Taylor

ADDENDA / REVISIONS



**BRADFORD STREET
STREETSCAPE ENHANCEMENTS**

CONTRACT	BRIDGE NO.	NA
T201620004	DESIGNED BY:	Z. NERWINSKI
COUNTY	CHECKED BY:	K. MURPHY
KENT		

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

CS-02
SECTION
McT
SHEET NO.
19

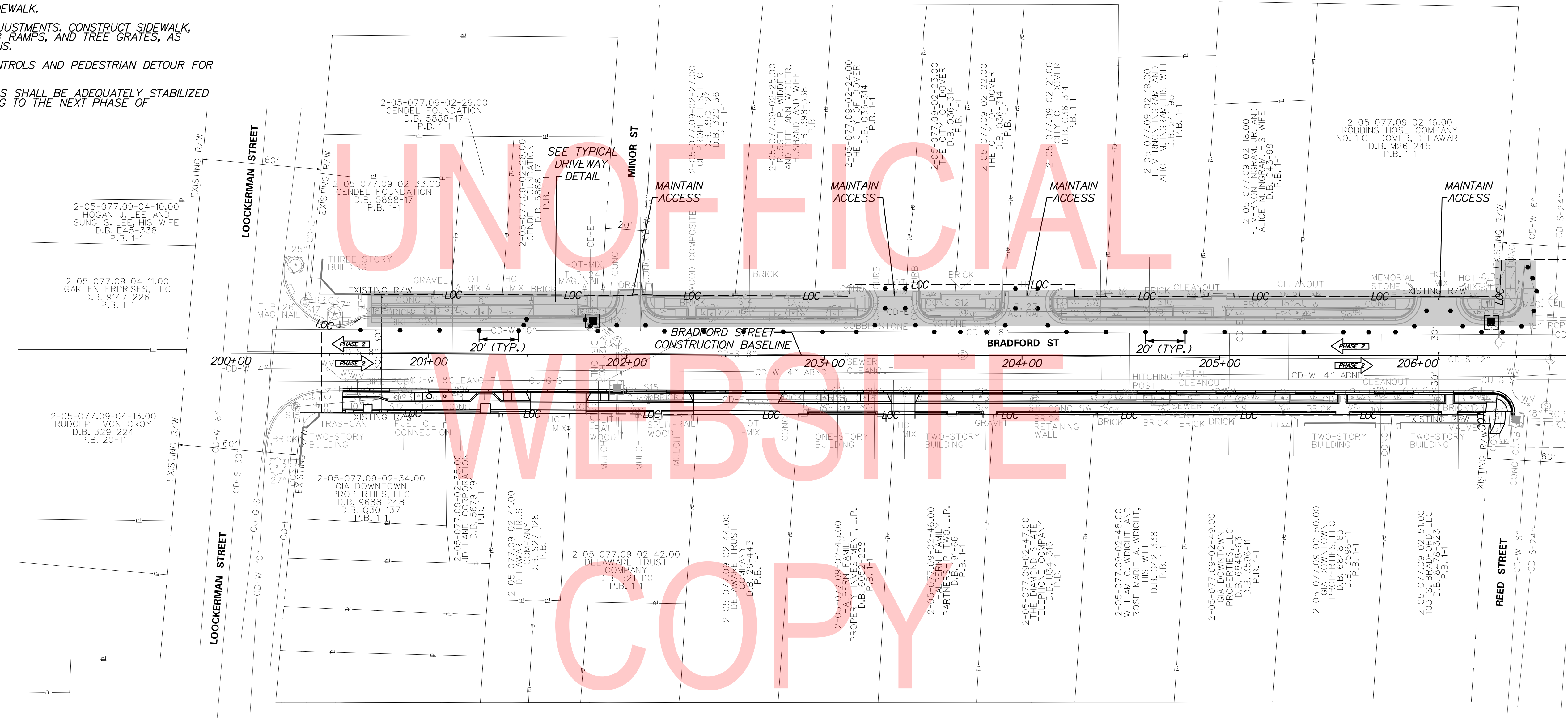
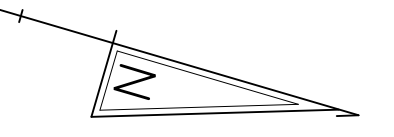
SUGGESTED SEQUENCE OF CONSTRUCTION

PHASE 2:

1. INSTALL TRAFFIC CONTROL AND EROSION & SEDIMENT CONTROL DEVICES, AS SHOWN ON THE PLANS. COORDINATE WITH DELDOT CONSTRUCTION AND THE CITY OF DOVER TO CLOSE PARKING ON THE WEST SIDE OF BRADFORD STREET.
2. INSTALL PEDESTRIAN DETOUR FOR PHASE 2 USING TYPICAL APPLICATION 29.
3. DURING WORK HOURS, USE TYPICAL APPLICATION 10 TO PERFORM WORK AT THE INTERSECTIONS AND ALONG BRADFORD STREET AS NEEDED. AT THE END OF THE WORK DAY, RESTORE BRADFORD STREET TO TWO LANES, AS SHOWN ON THIS SHEET.
4. REMOVE EXISTING CURB AND PAVEMENT PATCH.
5. ADJUST DRAINAGE INLET, CONSTRUCT CURB AND PATCH PAVEMENT, AS SHOWN ON THE PLANS.
6. REMOVE EXISTING SIDEWALK.
7. PERFORM UTILITY ADJUSTMENTS, CONSTRUCT SIDEWALK, BRICK BUFFER, CURB RAMPS, AND TREE GRATES, AS SHOWN ON THE PLANS.
8. REMOVE TRAFFIC CONTROLS AND PEDESTRIAN DETOUR FOR PHASE 2.
9. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED PRIOR TO PROCEEDING TO THE NEXT PHASE OF CONSTRUCTION.

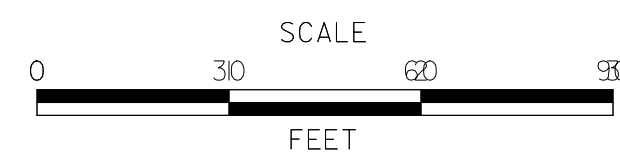
NOTES:

1. CONTRACTOR SHALL ONLY REMOVE THE AMOUNT OF SIDEWALK THAT CAN BE FILLED IN AT THE END OF THE DAY AND COVERED WITH ADA ACCESSIBLE TEMPORARY PATHWAYS IN ORDER TO MAINTAIN ACCESS FOR PROPERTY OWNERS IN THE WORK AREA. PAYMENT FOR PATHWAYS SHALL BE INCIDENTAL TO ITEM 801000 - MAINTENANCE OF TRAFFIC.
2. MAINTAIN PARKING ON EAST SIDE OF BRADFORD STREET.



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 ...\\CS03_Bradford Street.dgn
McCORMICK TAYLOR

ADDENDA / REVISIONS



**BRADFORD STREET
STREETSCAPE ENHANCEMENTS**

CONTRACT	BRIDGE NO.	NA
T201620004	DESIGNED BY:	Z. NERWINSKI
COUNTY	CHECKED BY:	K. MURPHY
KENT		

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

CS-03
SECTION
McT
SHEET NO.
20

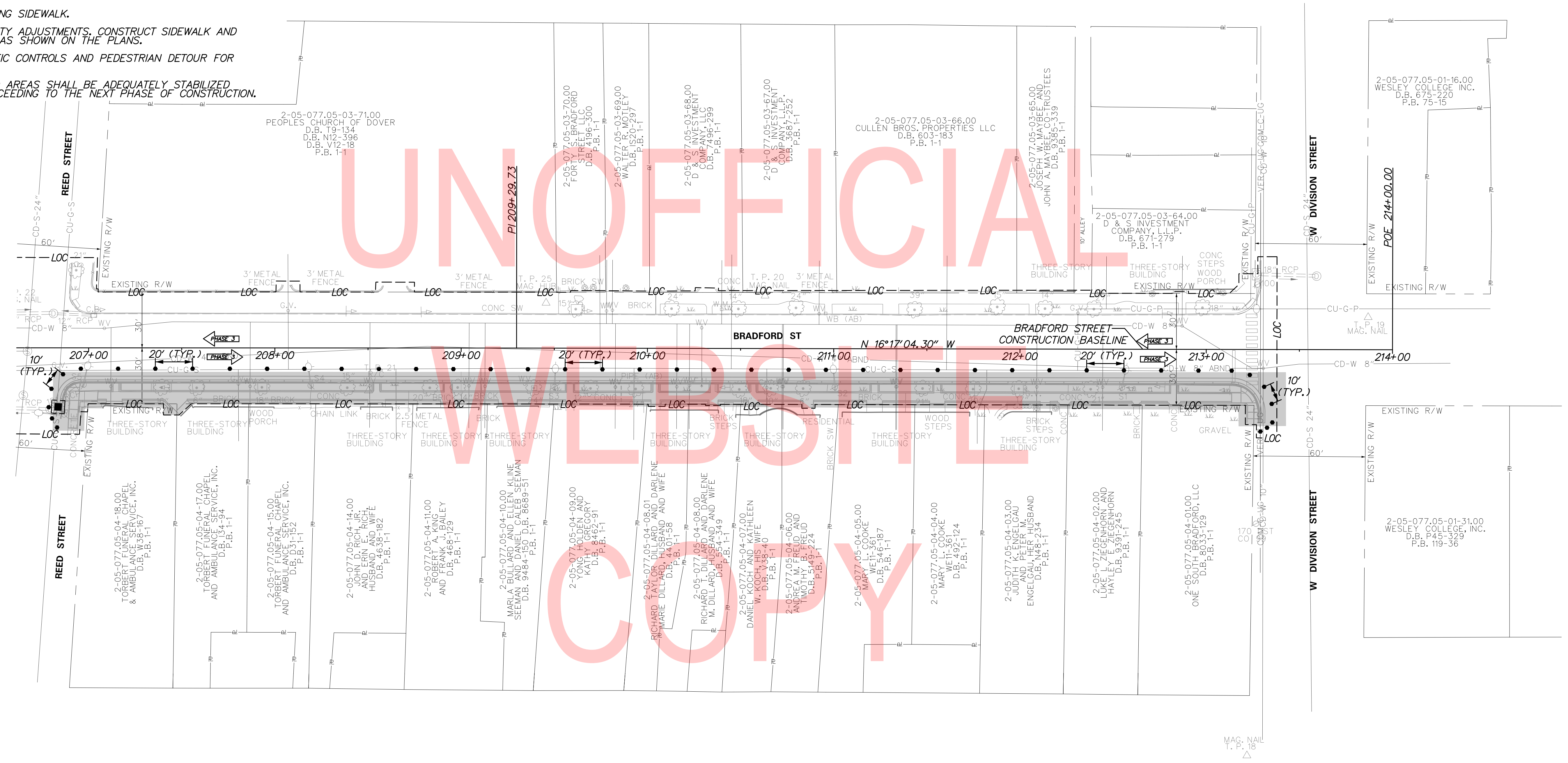
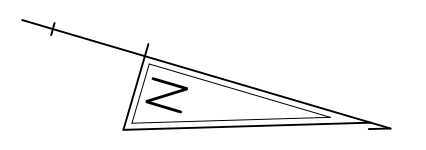
SUGGESTED SEQUENCE OF CONSTRUCTION

PHASE 3:

1. INSTALL TRAFFIC CONTROL AND EROSION & SEDIMENT CONTROL DEVICES, AS SHOWN ON THE PLANS. COORDINATE WITH DELDOT CONSTRUCTION AND THE CITY OF DOVER TO CLOSE PARKING ON THE EAST SIDE OF BRADFORD STREET.
2. INSTALL PEDESTRIAN DETOUR FOR PHASE 3 USING TYPICAL APPLICATION 29.
3. DURING WORK HOURS, USE TYPICAL APPLICATION 10 TO PERFORM WORK AT THE INTERSECTIONS AND ALONG BRADFORD STREET AS NEEDED. AT THE END OF THE WORK DAY, RESTORE BRADFORD STREET TO TWO LANES, AS SHOWN ON THIS SHEET.
4. REMOVE EXISTING CURB AND PAVEMENT PATCH.
5. CONSTRUCT CURB AND PATCH PAVEMENT, AS SHOWN ON THE PLANS.
6. REMOVE EXISTING SIDEWALK.
7. PERFORM UTILITY ADJUSTMENTS, CONSTRUCT SIDEWALK AND CURB RAMPS, AS SHOWN ON THE PLANS.
8. REMOVE TRAFFIC CONTROLS AND PEDESTRIAN DETOUR FOR PHASE 3.
9. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED PRIOR TO PROCEEDING TO THE NEXT PHASE OF CONSTRUCTION.

NOTES:

1. CONTRACTOR SHALL ONLY REMOVE THE AMOUNT OF SIDEWALK THAT CAN BE FILLED IN AT THE END OF THE DAY AND COVERED WITH ADA ACCESSIBLE TEMPORARY PATHWAYS, IN ORDER TO MAINTAIN ACCESS FOR PROPERTY OWNERS IN THE WORK AREA. PAYMENT FOR PATHWAYS SHALL BE INCIDENTAL TO ITEM 801000 - MAINTENANCE OF TRAFFIC.
2. MAINTAIN PARKING ON WEST SIDE OF BRADFORD STREET.



UNOFFICIAL
WEBSITE

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ADDENDA / REVISIONS



**BRADFORD STREET
STREETScape ENHANCEMENTS**

CONTRACT	BRIDGE NO.	NA
T201620004	DESIGNED BY:	Z. NERWINSKI
COUNTY	CHECKED BY:	K. MURPHY
KENT		

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

CS-04
SECTION
McT
SHEET NO.
21

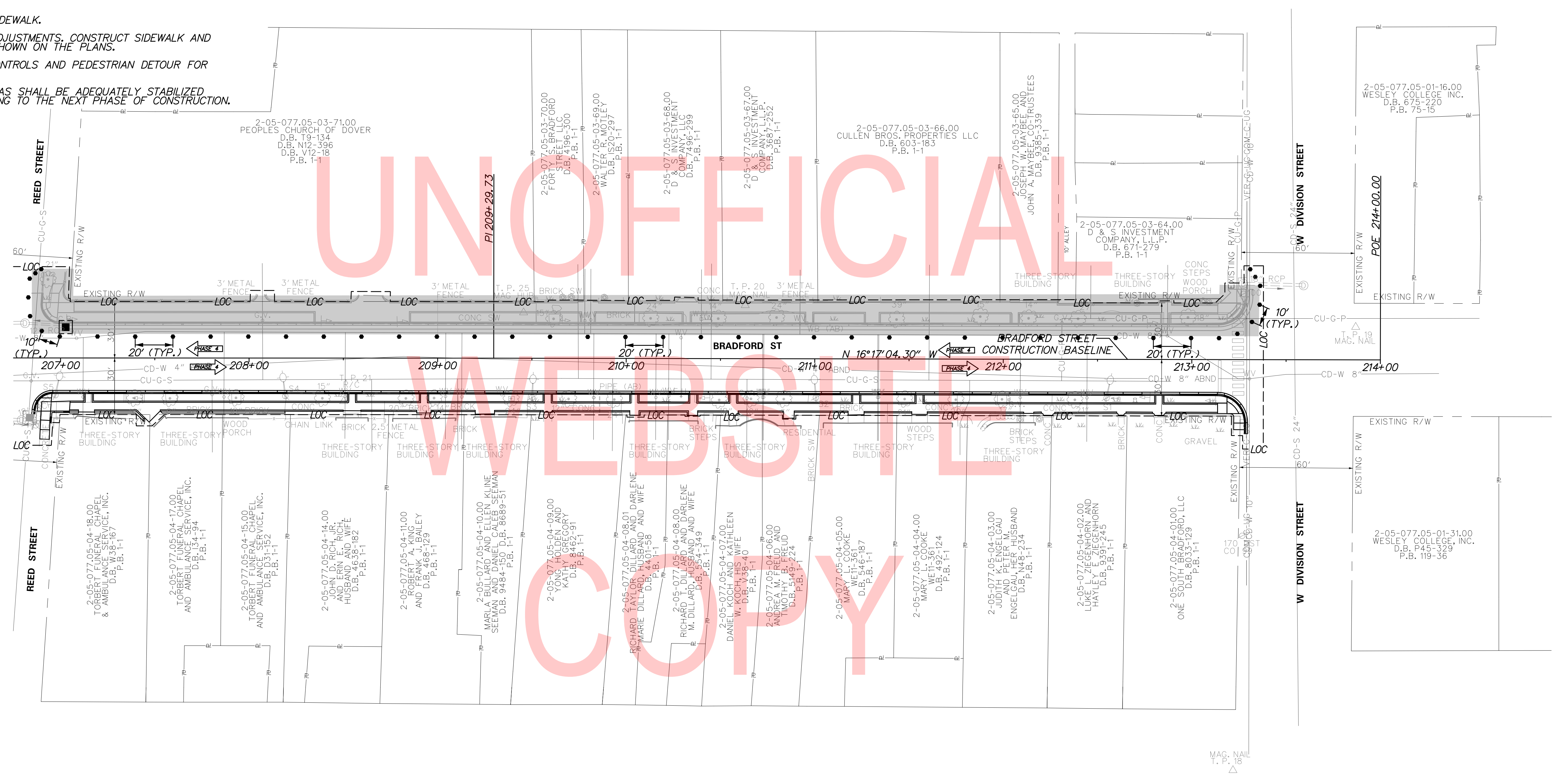
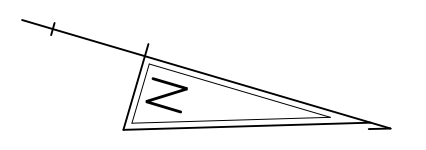
SUGGESTED SEQUENCE OF CONSTRUCTION

PHASE 4:

1. INSTALL TRAFFIC CONTROL AND EROSION & SEDIMENT CONTROL DEVICES, AS SHOWN ON THE PLANS. COORDINATE WITH DELDOT CONSTRUCTION AND THE CITY OF DOVER TO CLOSE PARKING ON THE WEST SIDE OF BRADFORD STREET.
2. INSTALL PEDESTRIAN DETOUR FOR PHASE 4 USING TYPICAL APPLICATION 29.
3. DURING WORK HOURS, USE TYPICAL APPLICATION 10 TO PERFORM WORK AT THE INTERSECTIONS AND ALONG BRADFORD STREET AS NEEDED. AT THE END OF THE WORK DAY, RESTORE BRADFORD STREET TO TWO LANES, AS SHOWN ON THIS SHEET.
4. REMOVE EXISTING CURB AND PAVEMENT.
5. CONSTRUCT CURB AND PATCH PAVEMENT, AS SHOWN ON THE PLANS.
6. REMOVE EXISTING SIDEWALK.
7. PERFORM UTILITY ADJUSTMENTS, CONSTRUCT SIDEWALK AND CURB RAMPS, AS SHOWN ON THE PLANS.
8. REMOVE TRAFFIC CONTROLS AND PEDESTRIAN DETOUR FOR PHASE 4.
9. ALL DISTURBED AREAS SHALL BE ADEQUATELY STABILIZED PRIOR TO PROCEEDING TO THE NEXT PHASE OF CONSTRUCTION.

NOTES:

1. CONTRACTOR SHALL ONLY REMOVE THE AMOUNT OF SIDEWALK THAT CAN BE FILLED IN AT THE END OF THE DAY AND COVERED WITH ADA ACCESSIBLE TEMPORARY PATHWAYS, IN ORDER TO MAINTAIN ACCESS FOR PROPERTY OWNERS IN THE WORK AREA. PAYMENT FOR PATHWAYS SHALL BE INCIDENTAL TO ITEM 801000 - MAINTENANCE OF TRAFFIC.
2. MAINTAIN PARKING ON EAST SIDE OF BRADFORD STREET.



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McCormick Taylor

ADDENDA / REVISIONS



**BRADFORD STREET
STREETSCAPE ENHANCEMENTS**

CONTRACT	BRIDGE NO.	NA
T201620004	DESIGNED BY:	Z. NERWINSKI
COUNTY	CHECKED BY:	K. MURPHY
KENT		

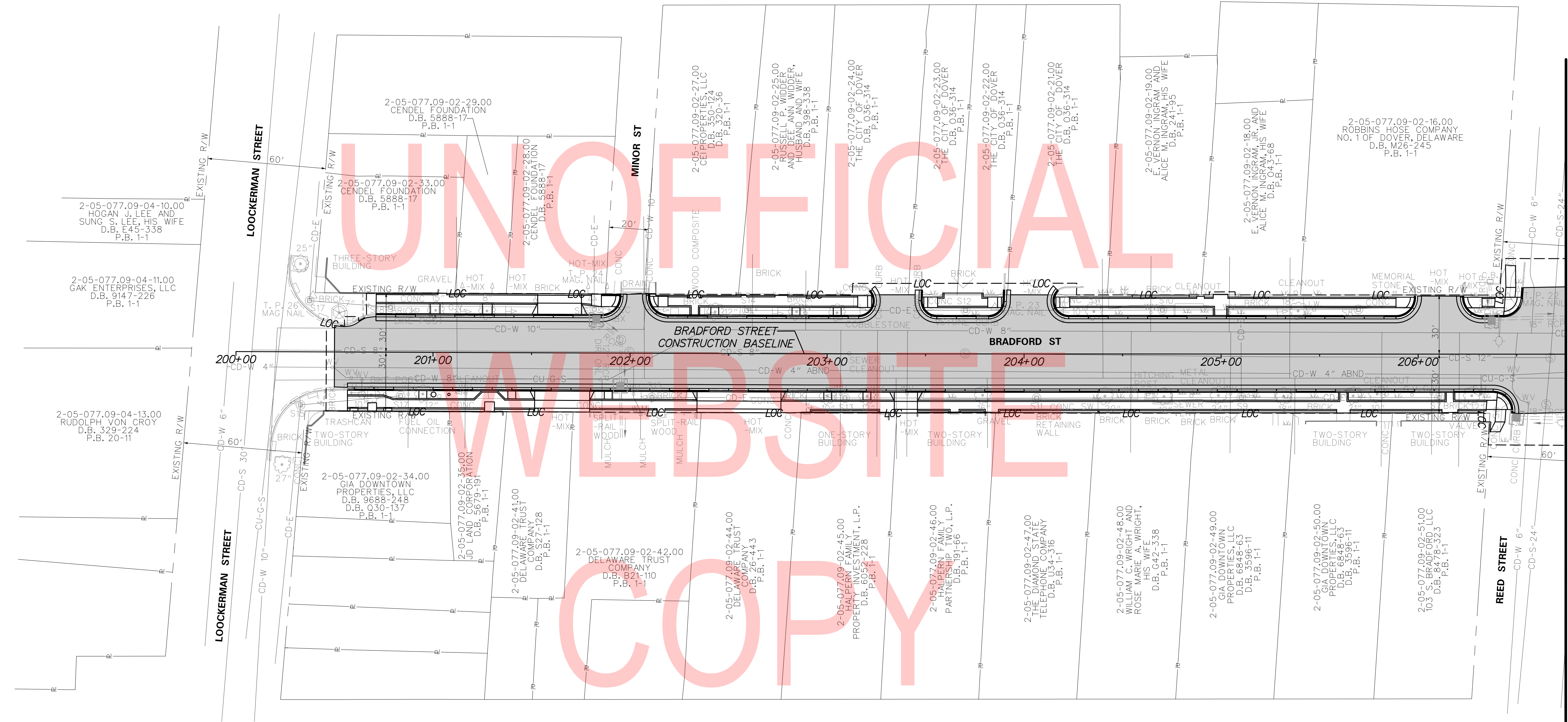
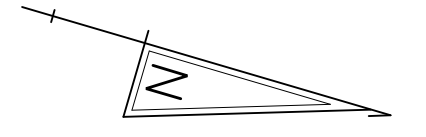
**CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 4**

CS-05	SECTION
	McT
	SHEET NO.
	22

SUGGESTED SEQUENCE OF CONSTRUCTION

PHASE 5:

1. USE TA-10 TO PERFORM FINAL MILL AND OVERLAY OF THE ROADWAY, COORDINATE WITH DELDOT CONSTRUCTION AND THE CITY OF DOVER TO CLOSE PARKING ON BRADFORD STREET.
2. PERFORM UTILITY ADJUSTMENTS.
3. PLANT TREES IN THE PROJECT AREA, AS SHOWN ON THE PLANS.
4. INSTALL SIGNING AND STRIPING IN THE PROJECT AREA, AS SHOWN ON THE PLANS.
5. REMOVE EROSION & SEDIMENT CONTROL DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH CONCURRENCE FROM DELDOT'S STORMWATER ENGINEER.
6. REMOVE ALL TRAFFIC CONTROL FOR THE PROJECT.



MATCHLINE STATION 206 + 75

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ADDENDA / REVISIONS



**BRADFORD STREET
STREETSCAPE ENHANCEMENTS**

CONTRACT	BRIDGE NO.	NA
T201620004	DESIGNED BY:	Z. NERWINSKI
COUNTY	CHECKED BY:	K. MURPHY
KENT		

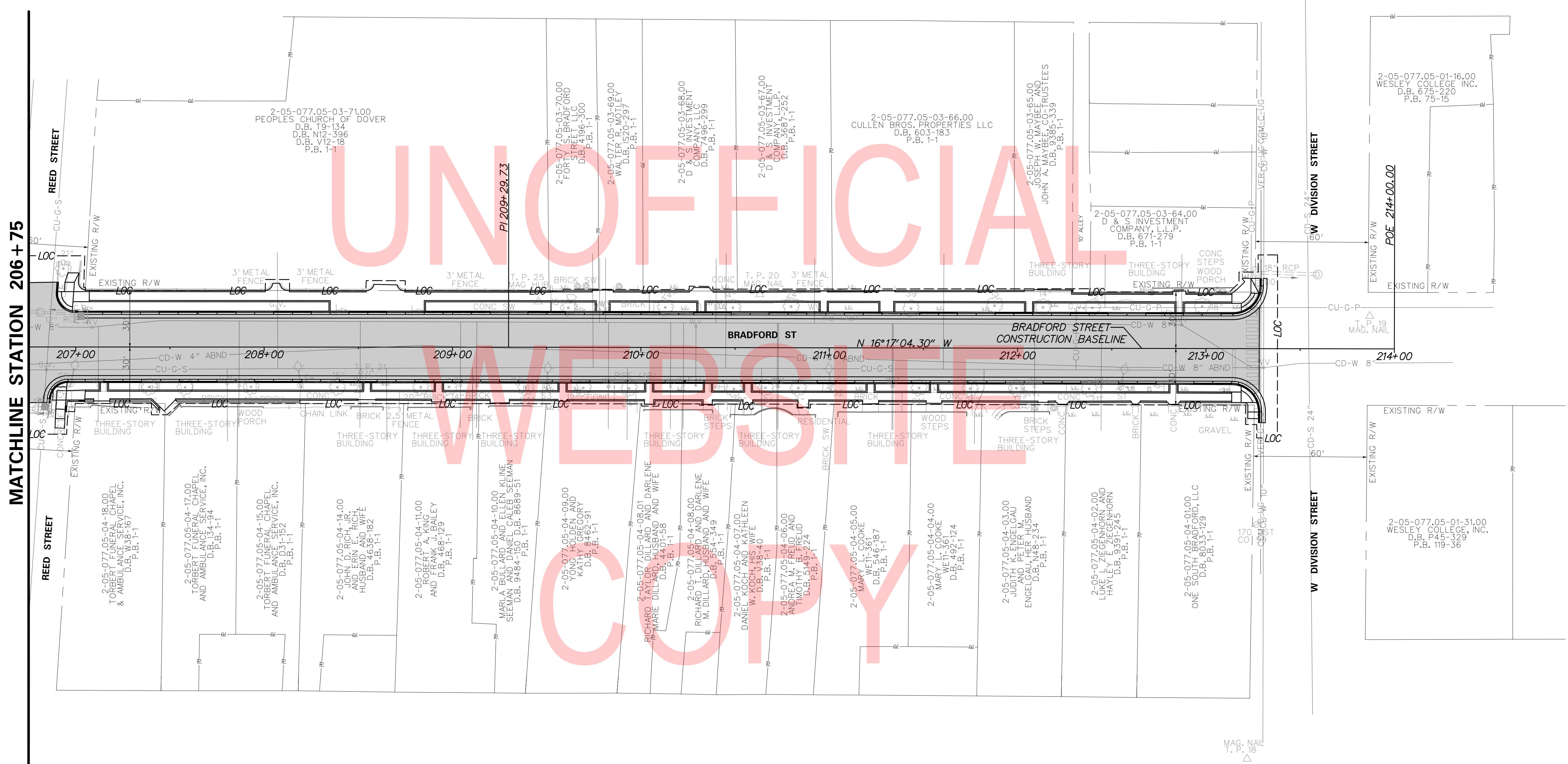
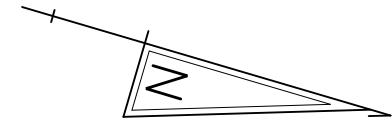
**CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 5**

CS-06
SECTION
McT
SHEET NO.
23

SUGGESTED SEQUENCE OF CONSTRUCTION

PHASE 5:

1. USE TA-10 TO PERFORM FINAL MILL AND OVERLAY OF THE ROADWAY. COORDINATE WITH DELDOT CONSTRUCTION AND THE CITY OF DOVER TO CLOSE PARKING ON BRADFORD STREET.
2. PERFORM UTILITY ADJUSTMENTS.
3. PLANT TREES IN THE PROJECT AREA, AS SHOWN ON THE PLANS.
4. INSTALL SIGNING AND STRIPING IN THE PROJECT AREA, AS SHOWN ON THE PLANS.
5. REMOVE EROSION & SEDIMENT CONTROL DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH CONCURRENCE FROM DELDOT'S STORMWATER ENGINEER.
6. REMOVE ALL TRAFFIC CONTROL FOR THE PROJECT.



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McCormick Taylor

ADDENDA / REVISIONS



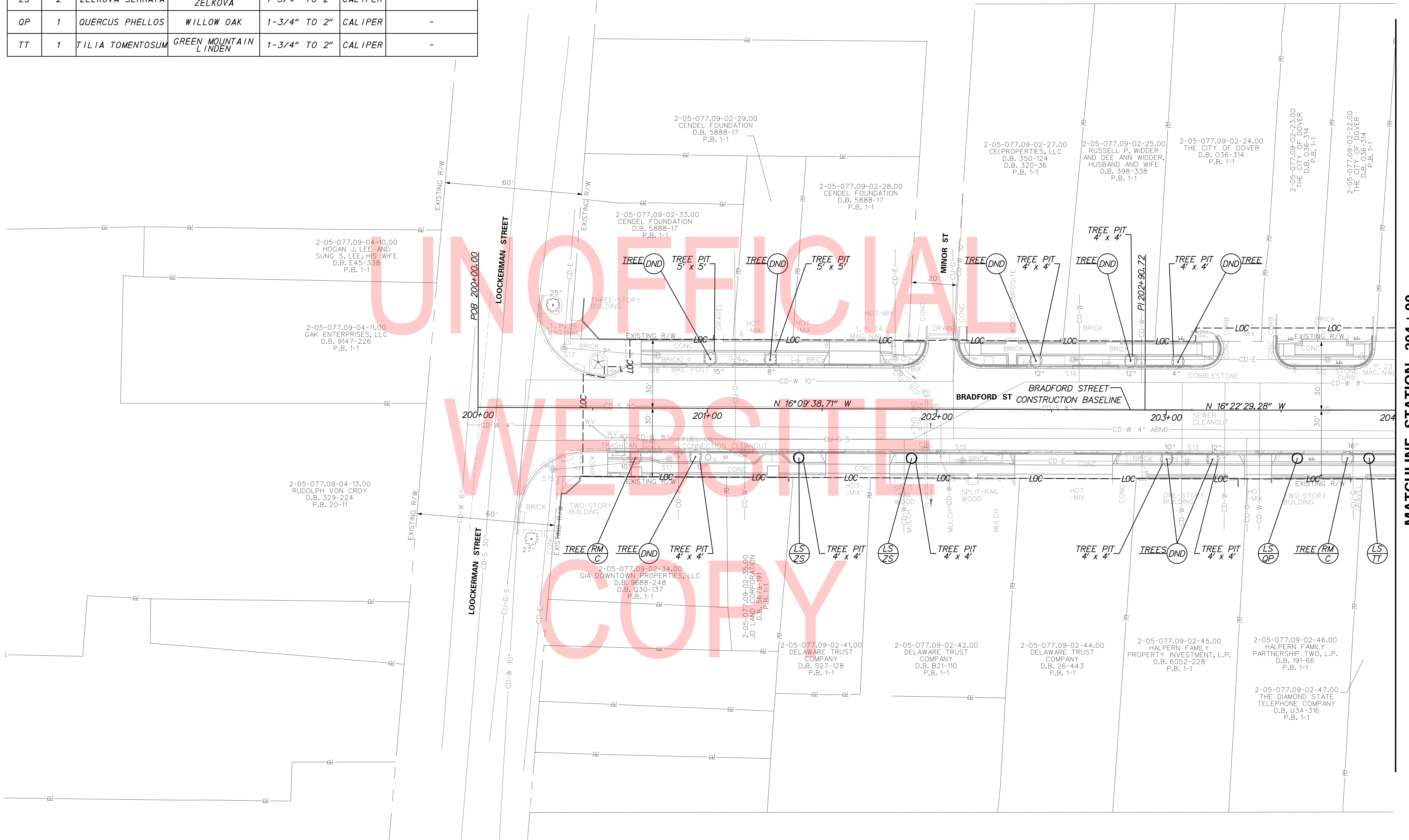
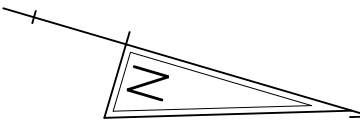
**BRADFORD STREET
STREETSCAPE ENHANCEMENTS**

CONTRACT	BRIDGE NO.	NA
T201620004	DESIGNED BY:	Z. NERWINSKI
COUNTY	CHECKED BY:	K. MURPHY
KENT		

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

CS-07	SECTION
	McT
	SHEET NO.
	24

LANDSCAPE PLANTING SUMMARY SCHEDULE						
ID	QTY	BOTANICAL NAME	COMMON NAME	SIZE	METHOD	COMMENTS
ZS	2	ZELKOVA SERRATA	VILLAGE GREEN ZELKOVA	1-3/4" TO 2"	CALIPER	-
OP	1	QUERCUS PHELLOS	WILLOW OAK	1-3/4" TO 2"	CALIPER	-
TT	1	TILIA TOMENTOSUM	GREEN MOUNTAIN LINDEN	1-3/4" TO 2"	CALIPER	-



MATCHLINE STATION 204 + 00

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ADDENDA / REVISIONS

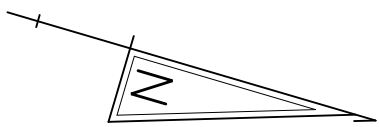


**BRADFORD STREET
STREETSCAPE ENHANCEMENTS**

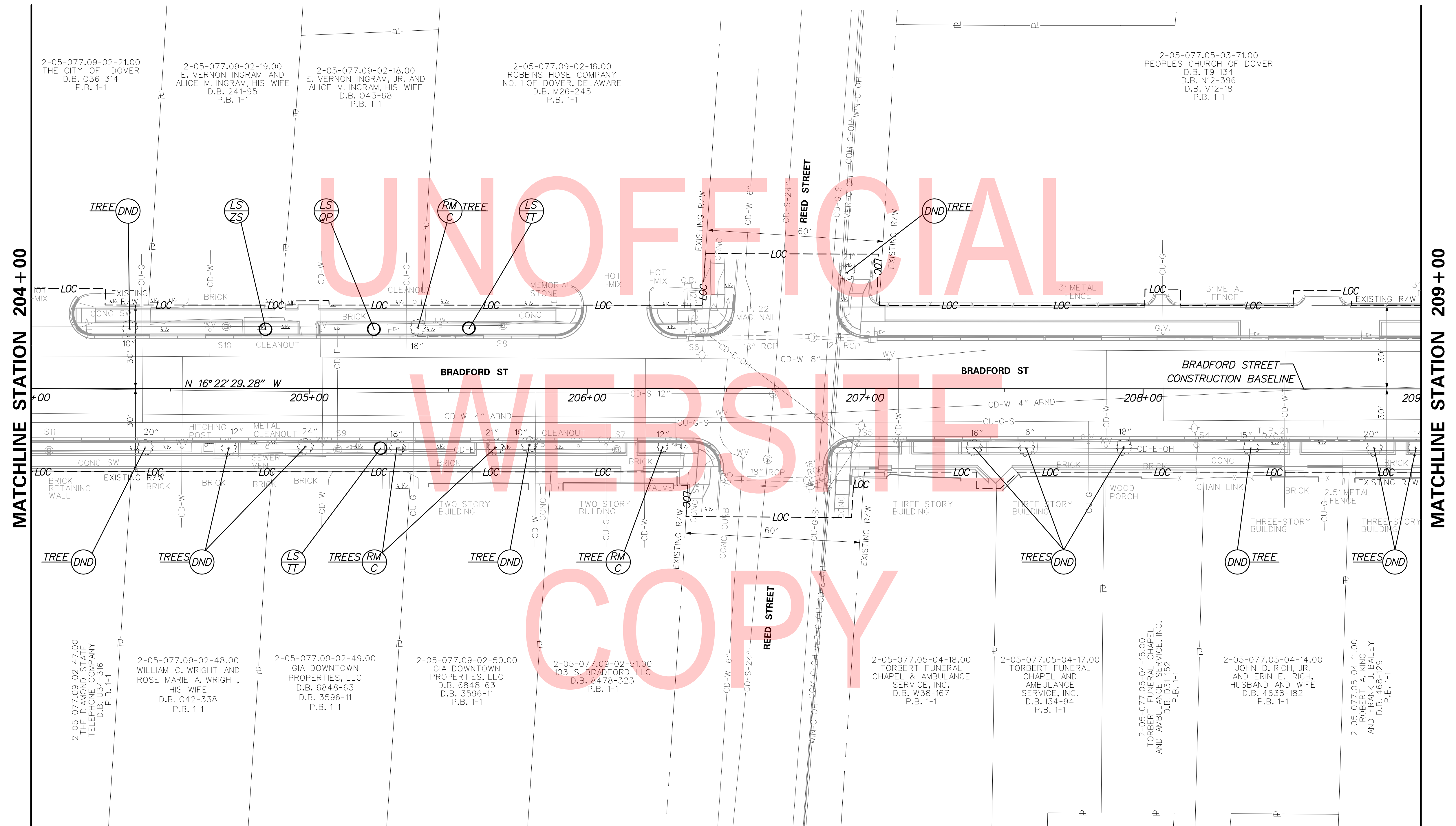
CONTRACT	BRIDGE NO.	NA
T201620004	DESIGNED BY:	Z. NERWINSKI
COUNTY	CHECKED BY:	K. MURPHY
KENT		

LANDSCAPING PLAN

LS-01
SECTION
McT
SHEET NO.
25



LANDSCAPE PLANTING SUMMARY SCHEDULE						
ID	QTY	BOTANICAL NAME	COMMON NAME	SIZE	METHOD	COMMENTS
ZS	1	ZELKOVA SERRATA	VILLAGE GREEN ZELKOVA	1-3/4" TO 2"	CALIPER	-
QP	1	QUERCUS PHELLOS	WILLOW OAK	1-3/4" TO 2"	CALIPER	-
TT	2	TILIA TOMENTOSUM	GREEN MOUNTAIN LINDEN	1-3/4" TO 2"	CALIPER	-



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McCormick Taylor

ADDENDA / REVISIONS

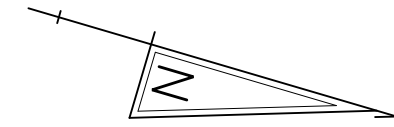


**BRADFORD STREET
STREETSCAPE ENHANCEMENTS**

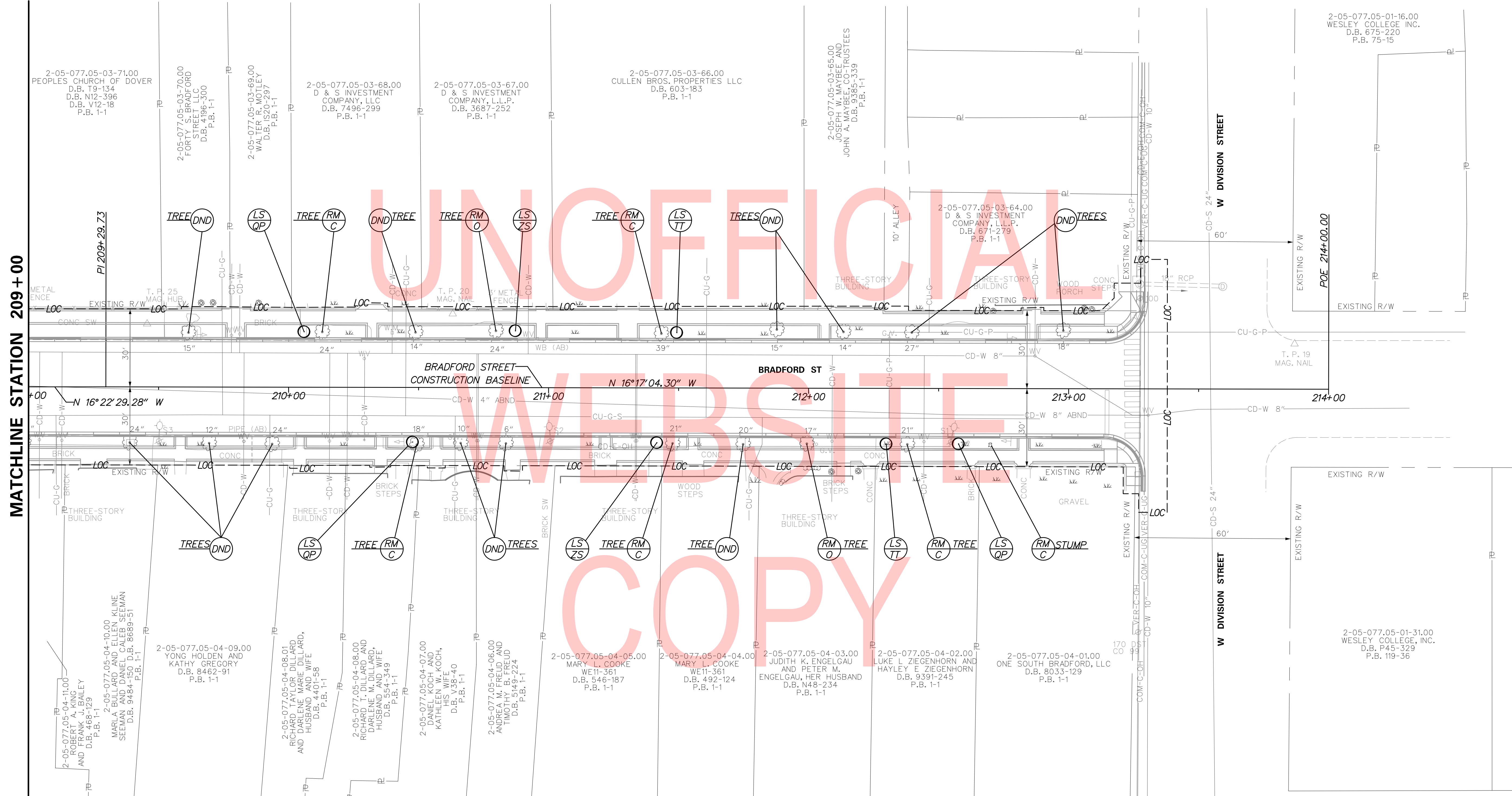
CONTRACT	BRIDGE NO.	NA
T201620004	DESIGNED BY:	Z. NERWINSKI
COUNTY	CHECKED BY:	K. MURPHY
KENT		

LANDSCAPING PLAN

LS-02
SECTION
McT
SHEET NO.
26



LANDSCAPE PLANTING SUMMARY SCHEDULE						
ID	QTY	BOTANICAL NAME	COMMON NAME	SIZE	METHOD	COMMENTS
ZS	2	ZELKOVA SERRATA	VILLAGE GREEN ZELKOVA	1-3/4" TO 2"	CALIPER	-
QP	3	QUERCUS PHELLOS	WILLOW OAK	1-3/4" TO 2"	CALIPER	-
TT	2	TILIA TOMENTOSUM	GREEN MOUNTAIN LINDEN	1-3/4" TO 2"	CALIPER	-



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McCormick Taylor

ADDENDA / REVISIONS



**BRADFORD STREET
STREETSCAPE ENHANCEMENTS**

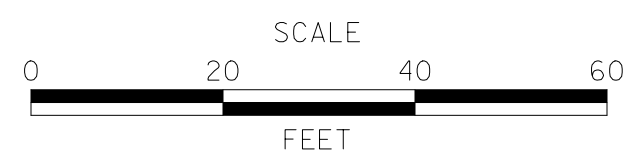
CONTRACT	BRIDGE NO.	NA
T201620004	DESIGNED BY:	Z. NERWINSKI
COUNTY	CHECKED BY:	K. MURPHY
KENT		

LANDSCAPING PLAN

LS-03
SECTION
McT
SHEET NO.
27

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(E)	16" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 817002)	16 SF

ADDENDA / REVISIONS

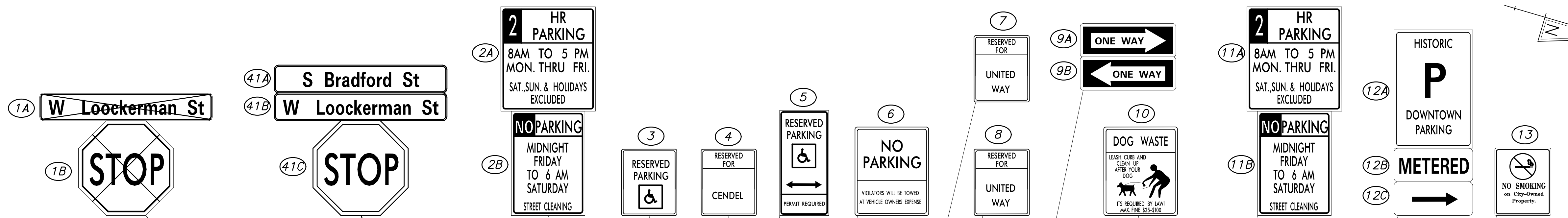
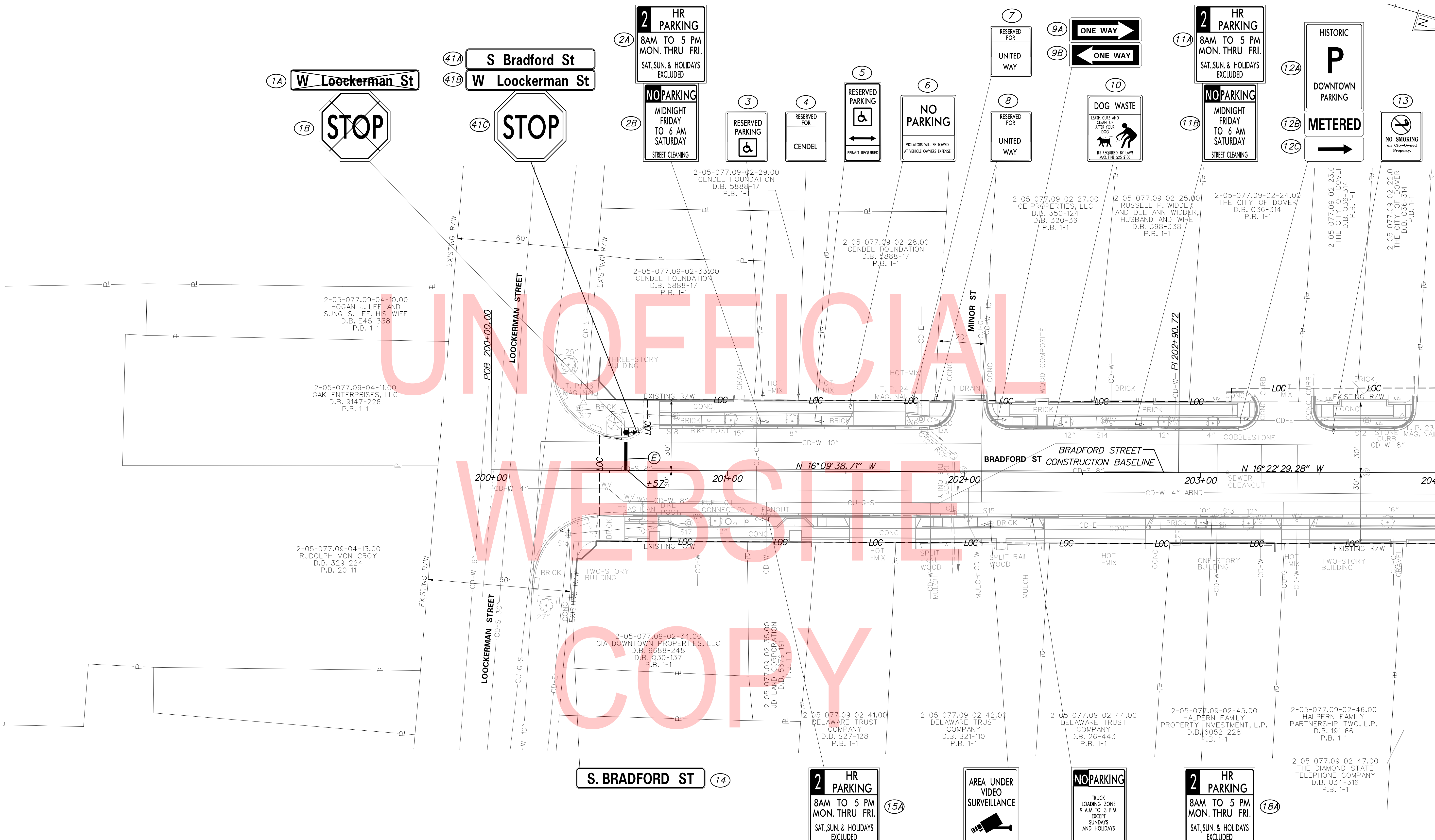


**BRADFORD STREET
STREETSCAPE ENHANCEMENTS**

CONTRACT T201620004	BRIDGE NO. NA
COUNTY KENT	DESIGNED BY: Z. NERWINSKI
	CHECKED BY: K. MURPHY

**SIGNING, STRIPING
AND CONDUIT PLAN**

SS-01
SECTION McT
SHEET NO. 28



LIGHTING STANDARD SCHEDULE (FOR INFORMATIONAL PURPOSES ONLY)						
NO.	POLE BASE	STATION	OFFSET	NORTHING	EASTING	LIGHT STANDARD
LST-1	6	207+15.00	-23.00'	422373.1508	625022.5252	CITY OF DOVER LIGHTING STANDARD
LST-2	6	207+10.00	21.90'	422381.3937	625066.3750	CITY OF DOVER LIGHTING STANDARD
LST-3	6	208+34.00	-23.00'	422487.1015	624989.0422	CITY OF DOVER LIGHTING STANDARD
LST-4	6	208+35.00	21.90'	422500.9644	625031.2928	CITY OF DOVER LIGHTING STANDARD

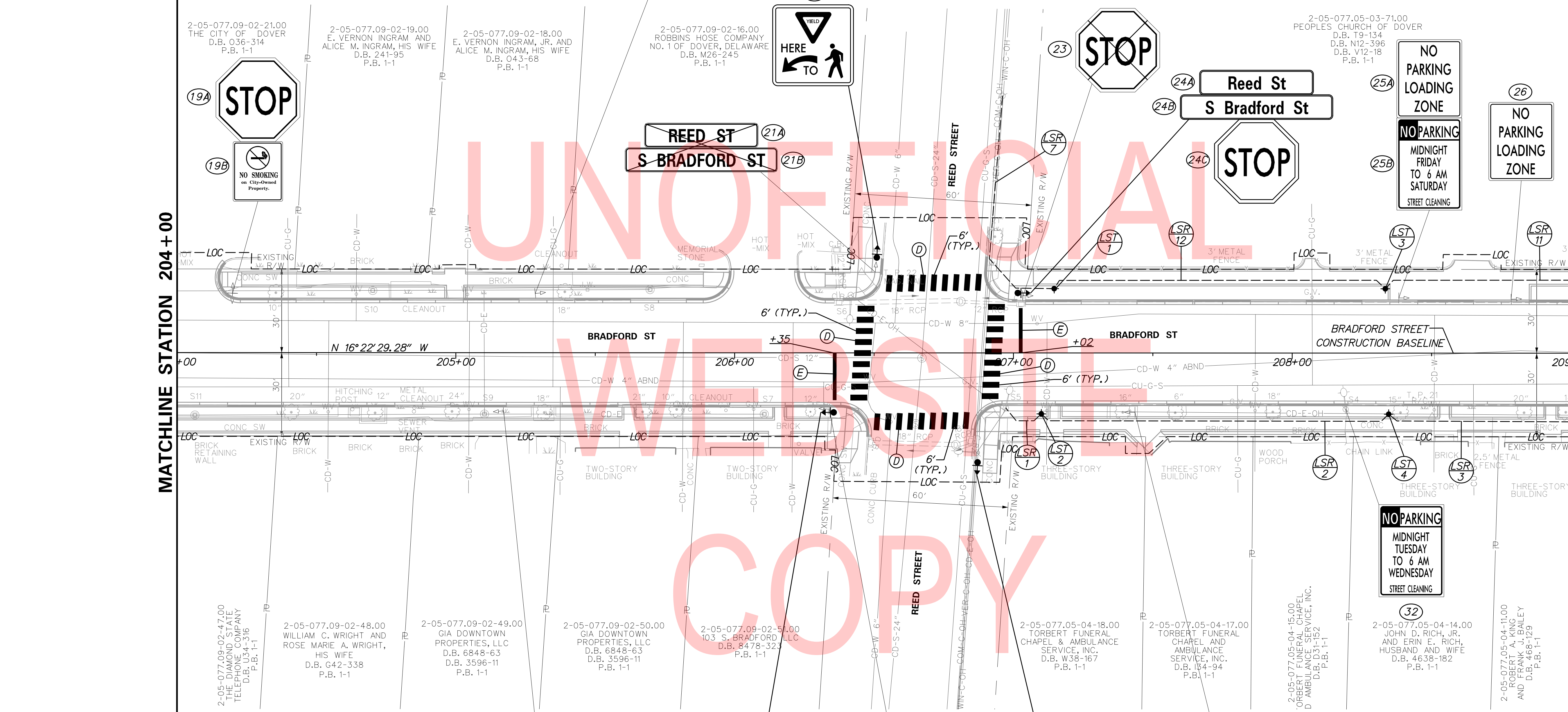
2 HR PARKING
8AM TO 5 PM
MON. THRU FRI.
SAT., SUN. & HOLIDAYS
EXCLUDED

NO PARKING
MIDNIGHT
FRIDAY
TO 6 AM
SATURDAY
STREET CLEANING

LIGHTING LEGEND	
(LST X)	LIGHTING STANDARD IDENTIFIER
(LSR X)	LIGHTING SERVICE IDENTIFIER
◆	PROPOSED LIGHTING STANDARD

LIGHTING SERVICE SCHEDULE (FOR INFORMATIONAL PURPOSES ONLY)			
SERVICE RUN	DISTANCE (L.F.)	DESCRIPTION	INSTALLATION
LSR-1	20.0	-	-
LSR-2	130.0	-	-
LSR-3	125.0	-	-
LSR-7	90.0	-	-
LSR-11	125.0	-	-
LSR-12	125.0	-	-

POWER SERVICE SCHEDULE (FOR INFORMATIONAL PURPOSES ONLY)		
STATION	OFFSET	DESCRIPTION
206+96	-92'	CITY OF DOVER POLE



MATCHLINE STATION 204+00

MATCHLINE STATION 209+00

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(D)	24" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 817002)	432 SF
(E)	16" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 817002)	44 SF

2 HR PARKING
8AM TO 5 PM
MON. THRU FRI.
SAT., SUN. & HOLIDAYS
EXCLUDED

NO PARKING
MIDNIGHT
TUESDAY
TO 6 AM
WEDNESDAY
STREET CLEANING

Reed St
S Bradford St

STOP

POWER SERVICE SCHEDULE (FOR INFORMATIONAL PURPOSES ONLY)		
STATION	OFFSET	DESCRIPTION
206+97	20'	CITY OF DOVER POLE S5

DOG WASTE
LEASH YOUR DOG AND
CLEAN UP AFTER YOUR
DOG
IT'S REQUIRED BY LAW
MAY FINE \$25-\$500

NO PARKING
MIDNIGHT
TUESDAY
TO 6 AM
WEDNESDAY
STREET CLEANING

- NOTES:**
1. LIGHT POLE AND CONDUIT LOCATIONS ARE PROVIDED BY CITY OF DOVER AND FOR CITY OF DOVER USE AND INFORMATIONAL PURPOSES ONLY. CITY OF DOVER MAY ADJUST LOCATIONS IN FIELD DURING ELECTRICAL UTILITY UNDERGROUNDING.
 2. CONTRACTOR TO VERIFY LOCATION OF LIGHTS, CONDUIT AND WIRING. CARE MUST BE TAKEN TO NOT DISTURB LIGHTING EQUIPMENT DURING CONSTRUCTION.
 3. CITY OF DOVER TO FURNISH AND INSTALL LIGHT POLES, LIGHT POLE BASES, CONDUIT, CONDUIT WIRING, SERVICE FEED AND CONNECTOR AND PERFORM ELECTRICAL TESTING.
 4. EXISTING POLES, LUMINAIRES, AND OVERHEAD WIRES TO BE REMOVED BY THE CITY OF DOVER AS SHOWN ON THE CONSTRUCTION PLANS.

ADDENDA / REVISIONS



**BRADFORD STREET
STREETSCAPE ENHANCEMENTS**

CONTRACT T201620004	BRIDGE NO. NA
COUNTY KENT	DESIGNED BY: Z. NERWINSKI
	CHECKED BY: K. MURPHY

**SIGNING, STRIPING
AND CONDUIT PLAN**

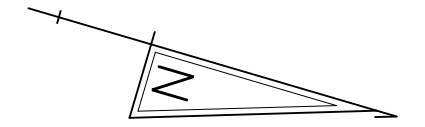
SS-02
SECTION
McT
SHEET NO.
29

**LIGHTING SERVICE SCHEDULE
(FOR INFORMATIONAL PURPOSES ONLY)**

SERVICE RUN	DISTANCE (L.F.)	DESCRIPTION	INSTALLATION
LSR-3	125.0	-	-
LSR-4	125.0	-	-
LSR-5	125.0	-	-
LSR-6	125.0	-	-
LSR-8	125.0	-	-
LSR-9	125.0	-	-
LSR-10	125.0	-	-
LSR-11	125.0	-	-

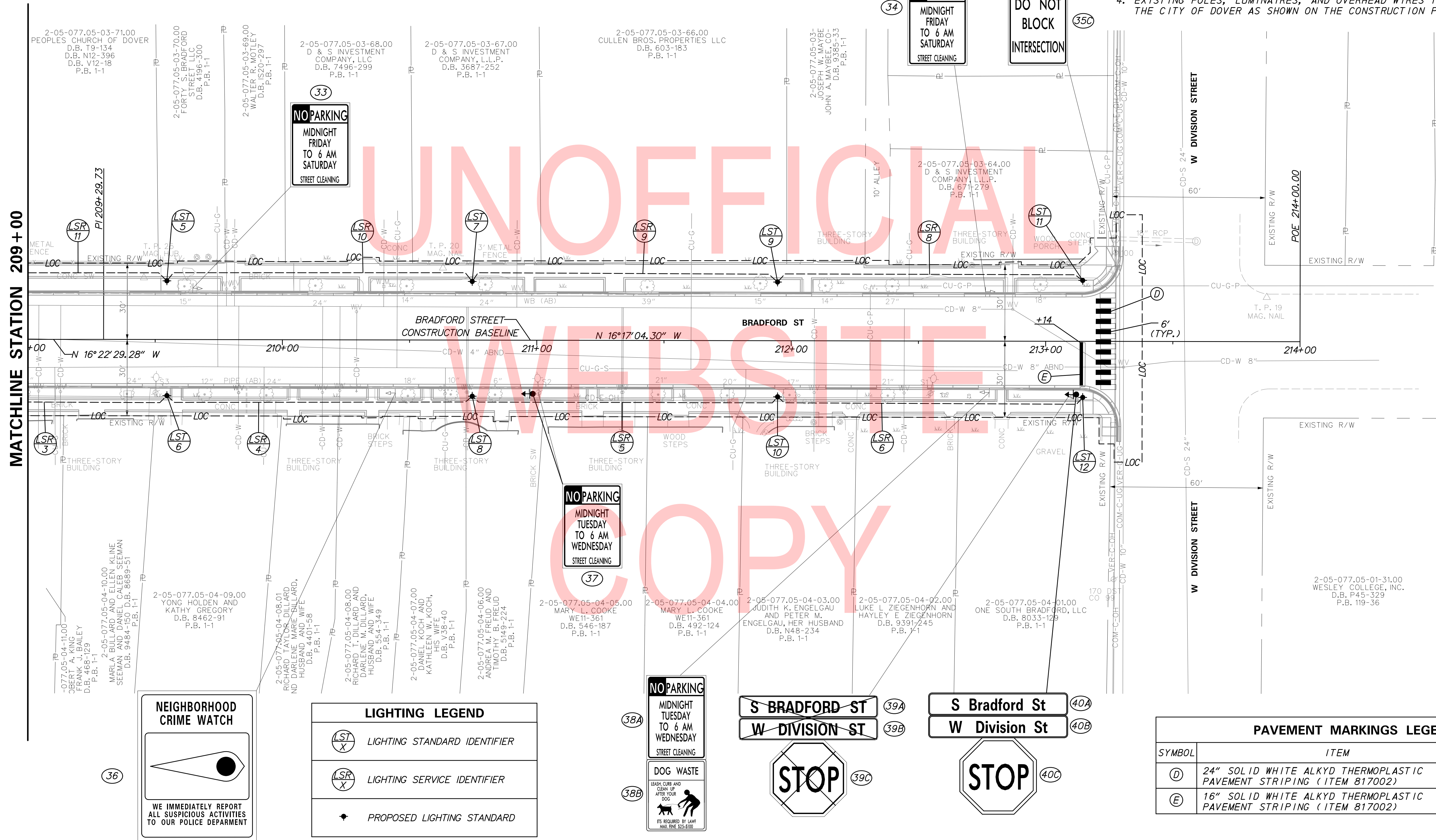
LIGHTING STANDARD SCHEDULE (FOR INFORMATIONAL PURPOSES ONLY)

NO.	POLE BASE	STATION	OFFSET	NORTHING	EASTING	LIGHT STANDARD
LST-5	6	209+55.00	-23.00'	422603.4292	624954.9051	CITY OF DOVER LIGHTING STANDARD
LST-6	6	209+55.00	22.00'	422616.1618	624997.6405	CITY OF DOVER LIGHTING STANDARD
LST-7	6	210+75.00	-23.00'	422718.6322	624921.2475	CITY OF DOVER LIGHTING STANDARD
LST-8	6	210+75.00	22.00'	422731.3609	624963.9877	CITY OF DOVER LIGHTING STANDARD
LST-9	6	211+95.00	-23.00'	422833.8251	624887.5965	CITY OF DOVER LIGHTING STANDARD
LST-10	6	211+95.00	22.00'	422846.5579	624930.3355	CITY OF DOVER LIGHTING STANDARD
LST-11	6	213+15.00	-24.00'	422948.7004	624853.1288	CITY OF DOVER LIGHTING STANDARD
LST-12	6	213+15.00	22.00'	422961.6766	624896.7062	CITY OF DOVER LIGHTING STANDARD



NOTES:

- LIGHT POLE AND CONDUIT LOCATIONS ARE PROVIDED BY CITY OF DOVER AND FOR CITY OF DOVER USE AND INFORMATIONAL PURPOSES ONLY. CITY OF DOVER MAY ADJUST LOCATIONS IN FIELD DURING ELECTRICAL UTILITY UNDERGROUNDING.
- CONTRACTOR TO VERIFY LOCATION OF LIGHTS, CONDUIT AND WIRING. CARE MUST BE TAKEN TO NOT DISTURB LIGHTING EQUIPMENT DURING CONSTRUCTION.
- CITY OF DOVER TO FURNISH AND INSTALL LIGHT POLES, LIGHT POLE BASES, CONDUIT, CONDUIT WIRING, SERVICE FEED AND CONNECTOR AND PERFORM ELECTRICAL TESTING.
- EXISTING POLES, LUMINAIRES, AND OVERHEAD WIRES TO BE REMOVED BY THE CITY OF DOVER AS SHOWN ON THE CONSTRUCTION PLANS.



NEIGHBORHOOD CRIME WATCH

WE IMMEDIATELY REPORT ALL SUSPICIOUS ACTIVITIES TO OUR POLICE DEPARTMENT

LIGHTING LEGEND

(LST X)	LIGHTING STANDARD IDENTIFIER
(LSR X)	LIGHTING SERVICE IDENTIFIER
◆	PROPOSED LIGHTING STANDARD

PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY
(D)	24" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 817002)	108 SF
(E)	16" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 817002)	23 SF

McCORMICK TAYLOR
 1/27/2020 3:01:16 PM
 ...SS03-Bradford Street.dgn

ADDENDA / REVISIONS



**BRADFORD STREET
STREETSCAPE ENHANCEMENTS**

CONTRACT	BRIDGE NO.	NA
T201620004	DESIGNED BY:	Z. NERWINSKI
COUNTY	CHECKED BY:	K. MURPHY
KENT		

**SIGNING, STRIPING
AND CONDUIT PLAN**

SS-03

SECTION	McT
SHEET NO.	30

