



STATE OF DELAWARE
DEPARTMENT OF TRANSPORTATION
800 BAY ROAD
P.O. BOX 778
DOVER, DELAWARE 19903

JENNIFER COHAN
SECRETARY

VIA WEBSITE POSTING

April 2, 2020

Contract No. T201620013.01
Federal Aid Project No. ETEA-2015(55)
City Of Wilmington, 9th Street Streetscape Enhancements
New Castle County

Ladies and Gentlemen:

Enclosed is Addendum No. 1 for the referenced contract consisting of the following:

1. The Bid Proposal Cover, revised, to be substituted for the same page of the Proposal.
2. Two (2) pages, Special Provision 851511 - Decorative Light Standard, page s 73 and 74, revised, to be substituted for the same page in the Proposal.
3. Ten (10) pages, Utility Statement has been revised and replaced with an eleven (11) page statement.
4. The following plan sheets have been revised: 3, 4, 8, 21, 22, 23 and 24.

Please note the revisions listed above and submit your bid based upon this information.

Sincerely,

~signature on file~

Connie Ivins
Competitively Bid Contracts Coordinator
Delaware Department of Transportation

STATE OF DELAWARE



DEPARTMENT OF TRANSPORTATION

BID PROPOSAL

for

CONTRACT T201620013.01

FEDERAL AID PROJECT NO. ETEA-2015(55)

CFDA NO. 20.205

CITY OF WILMINGTON, 9TH STREET STREETSCAPE
ENHANCEMENTS, PHASE II

NEW CASTLE COUNTY

ADVERTISEMENT DATE: March 12, 2020

COMPLETION TIME: 75 Calendar Days

SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
DELAWARE DEPARTMENT OF TRANSPORTATION
AUGUST 2016

Bids will be received in the Bidder's Room at the Delaware Department of Transportation's Administration Building, 800 Bay Road, Dover, Delaware prior to 2:00 P.M. local time April 14, 2020

Decorative Post and Base.

1. The lighting post shall be all aluminum, one-piece construction, with a 12-flute base design. The shaft shall be 5" diameter, straight, fluted, with a tenon for luminaire mounting.
2. The post height and base diameter shall be as specified on the plans. The fluted shaft shall be 5 inches in diameter. At the top of the post, an integral 3 inch O.D. tenon with a transitional donut shall be provided for luminaire mounting.
3. The post assembly shall be shipped with a black powder coat finish.
4. The decorative base shall be heavy-wall, cast aluminum (ASTM 356.1) formed true to pattern with complete detail. The shaft material shall be fluted aluminum extrusion (6061-T6). A grounding screw shall be provided inside the base, opposite the door.
5. The shaft shall be double welded to the base casting and shipped as one piece for maximum structural integrity. The shaft shall be circumferentially welded inside the base casting at the top of the access door, and externally where the shaft exits the base. All exposed welds below 8 feet shall be ground smooth.
6. All hardware shall be tamper resistant stainless steel.
7. The post shall be provided with four hot-dip galvanized anchor bolts to be installed on an 11" diameter bolt circle. A door shall be located in the base for anchorage and wiring access.
8. The post shall be provided with a breakaway coupling system that consists of 4 couplings with anchors used to attach the pole shaft to the foundation. A door shall be located in the base for anchorage and wiring access.

Crossarm.

1. For double configurations, provide cross-arm as shown on the plans with 36" spread.
2. Crossarms shall be one-piece construction, heavy wall, cast aluminum (ASTM 356.1).
3. All hardware shall be stainless steel. All exterior hardware shall be tamper resistant.
4. Cross arms shall have 3 inch O.D. tenons for luminaire mounting.

Construction:

1. Luminaires shall be installed complete with all equipment, materials, parts, attachments, devices, hardware, cables, and supports necessary to make a safe, complete and fully operative installation. Manufacturer of each luminaire shall supply complete installation instructions including diagrams, illustrations, etc. The Contractor shall install in strict conformance with such instructions.
2. Each pole and luminaire shall be installed at location shown on the plans. Where field conditions require deviation from location shown, the Engineer shall be so notified by the Contractor and final installation made as directed by the Engineer.
3. Install in accordance with manufacturer's shop drawings.
4. Crossarms shall slip-fit a post-top tenon and attach with socket set screws.
5. Thoroughly clean any dirt and residue from luminaires prior to installation.
6. Install components plumb and level, accurately fitted, free from distortion or defects.
7. Attach appropriate grounding straps where specified on drawings to form a continuous grounding circuit where required.

Contract No. T201620013.01

8. Touch-up welds with primer. Grind welds smooth.
9. Conceal bolts and screws whenever possible.
10. Maximum allowable offset from true alignment: 1/4 inch.
11. Protect poles and luminaires from damage and defacement until acceptance by Owner. Replace any damaged or defaced fixtures with new units prior to acceptance at no additional cost to the Owner.

Method of Measurement:

The quantity of decorative light standards and fixtures will be measured as the actual number of decorative light standards and fixtures of each type provided and installed in accordance with these plans, specifications, complete, in place and accepted by the Engineer.

Basis of Payment:

The quantity of decorative light standards and fixtures will be paid at the Contract unit price per each decorative light standard and fixture. Price and payment will constitute full compensation for furnishing all materials, labor, materials, tools, equipment and incidentals to complete the work.

1/19/18



STATE OF DELAWARE
DEPARTMENT OF TRANSPORTATION
800 BAY ROAD
P.O. Box 778
DOVER, DELAWARE 19903

JENNIFER COHAN
SECRETARY

Utility Statement

January 28, 2020
Revised March 19, 2020
State Contract No. T201620013
Project ID No. 16-99024
F.A.P. No. ETEA-2015(55)
9TH Street Enhancements Phase II,
New Castle County

The following utilities may maintain facilities within the project limits:

AT&T Transmission
City of Wilmington – Public Works
City of Wilmington – Water & Sewer
Comcast
Delmarva Power – Electric
Delmarva Power – Gas
Fibertech
MCI Telecommunications
Verizon
Windstream (Cavalier Telephone)
ZAYO Communications

The following is a breakdown of the utilities involved, adjustments and/or relocations, as required:

AT&T Transmission

AT&T maintains an underground line on the north side sidewalk of 9th Street that turns north along the east side of the sidewalk at Tatnall Street. One junction well needs to be adjusted vertically by AT&T to match the proposed grades. This junction well is located at:

Sta. 10+68, 35' LT

AT&T estimates it will take three (3) calendar days to complete this work after being provided fourteen (14) days notice.

City of Wilmington – Public Works

The City owns abandoned electric lines that had serviced the tree pits. Eight tree pits are to be removed as part of the project. The Contractor shall coordinate with the City of Wilmington to confirm that the electric in the tree pit has been abandoned prior to its removal.

City of Wilmington – Water & Sewer

The City maintains underground facilities within project limits. There is an 8” water main that runs along 9th Street, Tatnall Street, and Orange Street. There are laterals that serve the adjacent properties.

Twenty-two (22) water valves need to be vertically adjusted by the State’s Contractor in accordance with the City’s standard specifications. These valves are located at:

- | | |
|--------------------|--------------------|
| Sta. 10+75, 4’ RT | Sta. 11+96, 15’ RT |
| Sta. 10+96, 17’ RT | Sta. 12+02, 9’ RT |
| Sta. 11+19, 17’ RT | Sta. 12+36, 12’ RT |
| Sta. 11+25, 5’ RT | Sta. 12+12, 16’ LT |
| Sta. 11+38, 17’ RT | Sta. 12+32, 17’ LT |
| Sta. 11+56, 2’ RT | Sta. 12+48, 16’ LT |
| Sta. 11+57, 10’ LT | Sta. 12+61, 16’ LT |
| Sta. 11+76, 17’ RT | Sta. 12+83, 3’ LT |
| Sta. 11+76, 18’ RT | Sta. 13+02, 17’ LT |
| Sta. 11+79, 18’ LT | Sta. 13+34, 16’ LT |
| Sta. 11+87, 17’ LT | |

Four (4) water meters need to be vertically adjusted by the State’s Contractor in accordance with the City’s standard specifications. These meters are located at:

- | | |
|--------------------|--------------------|
| Sta. 11+24, 6’ RT | Sta. 12+36, 14’ RT |
| Sta. 11+75, 18’ RT | Sta. 12+83, 4’ LT |

There is a combined storm sewer system within the project limits. An 18” pipe of unknown material runs west to east along 9th Street, then turns south along Orange Street. On the east side of Orange Street, an 18” pipe runs east to west along 9th Street and turns south on Orange Street. A 10” terracotta pipe runs north to south along Tatnall Street. A 15” pipe of unknown material runs north to south along Orange Street. It meets two 18’ pipes at a manhole near 9th Street. A

20" x 30" leaves the manhole, heading south along Orange Street. There are sewer laterals from the adjacent properties.

Three (3) cleanouts require vertical adjustment to be performed by the State's Contractor at the following locations:

- Sta. 11+53, 12' LT (2)
- Sta. 12+39, 13' RT

Any additional adjustments and/or relocations of the City's existing facilities shall be done by the State's Contractor in accordance with the City's standard specifications

No existing City of Wilmington facilities can be taken out of service. These facilities will remain in place and active during the duration of this contract.

Comcast

Comcast maintains the following underground facilities within the project limits:

1. Connecting to pole #52/78 underneath the sidewalk on the east side of Tatnall Street and extending north.
2. Crossing 9th Street at Sta. 10+67 and extending north underneath the sidewalk on the east side of Tatnall Street beyond the project limits.
3. Connecting to a vault in the sidewalk on the north side of 9th Street at Station 13+28 and extending east along 9th Street before turning to the north underneath the west sidewalk of Orange Street and connecting to Pole #48585-43380.

Comcast maintains the following overhead facilities within the project limits:

1. From Pole #52/78 on the east side of Tatnall Street and extending south beyond the project limits.
2. From the southern limits of the project along the west side of Orange Street, then crossing Orange Street from Pole #48585-43380 to Pole #48590-43380 and extending north beyond the project limits.

No existing Comcast facilities can be taken out of service. These facilities will remain in place and active during the duration of this contract.

Delmarva Power – Electric

Delmarva Power maintains one utility pole (No. 48559-48339) within the project limits which is not to be disturbed. There are overhead lines that run along the east side of Tatnall Street and the west side of Orange Street.

There are underground lines throughout the project. There is a 24" RCP duct bank running along the east side of Tatnall Street. There is a 4" steel conduit that runs underneath the sidewalk on the north side of 9th Street. There is a terracotta duct that runs along the south side of 9th Street with an RPC cap.

There are underground lines that also feed the following facilities:

- Lighted signs for the businesses (18)
- Street lighting (6),
- Traffic signal (9th Street & Orange Street)

The lighted signs for the businesses, and street lighting will be removed as part of this project by the State's Contractor. The Contractor shall contact Delmarva Power prior to the removal of the street lighting to de-energize the lines. The Contractor shall contact the property owner prior to the removal of the lighted signs for the businesses to de-energize and remove the lines. There is one junction well that can be removed as part of this project at Sta. 12+82, 13' RT. The existing junction well is currently in the sidewalk, but will be in the proposed road after construction. The Contractor shall contact Delmarva Power to de-energize secondary service and pull cables from the conduits. After this work is complete, Delmarva Power will abandon the junction well.

There are two vaults within the project limits that are not to be disturbed at the following locations:

- Sta. 13+20, 20' LT
- Sta. 13+85, 45' LT

Delmarva Power estimates it will take fourteen (14) calendar days to complete this work. Any adjustments and/or relocations of the Delmarva Power's existing electric facilities will be done by Delmarva Power.

No existing Delmarva Power facilities can be taken out of service. These facilities will remain in place and active during the duration of this contract.

Delmarva Power – Gas

Delmarva Power maintains a 4" PY gas pipe that runs through 9th Street with laterals to the adjacent properties. There is also a 16" cast iron main that runs along Tatnall Street and an 8" cast iron main that runs along Orange Street.

Twelve (12) gas valves need to be vertically adjusted by State's Contractor to match the proposed grade. These valves are located at:

Sta. 10+65, 12' LT

Sta. 10+97, 16' RT

Sta. 11+21, 17' RT
Sta. 11+44, 5' RT
Sta. 11+98, 16' RT
Sta. 12+08, 16' LT
Sta. 12+27, 16' RT

Sta. 12+40, 17' LT
Sta. 12+40, 16' RT
Sta. 12+63, 17' LT
Sta. 12+81, 17' LT
Sta. 12+90, 17' LT

Any other adjustments and/or relocations of Delmarva Power's existing facilities will be done by the appropriate Delmarva Power's forces as necessary during construction.

No existing Delmarva Power facilities can be taken out of service. These facilities will remain in place and active during the duration of this contract.

Fibertech

Fibertech maintains underground facilities within Verizon conduit. No impacts on surrounding facilities are anticipated.

No existing Fibertech facilities can be taken out of service. These facilities will remain in place and active during the duration of this contract.

MCI Telecommunications

MCI maintains an underground line along Tatnall Street. No impacts to surrounding facilities are anticipated.

No existing MCI facilities can be taken out of service. These facilities will remain in place and active during the duration of this contract.

Verizon

Verizon maintains the following underground facilities within the project limits:

1. On the Northwest side of Tatnall Street from Manhole #929 at Station 10+38, 6' RT extending Northeast to Manhole #21 at Station 10+27, 52' LT.
2. On the Northwest side of Tatnall Street from Manhole #21 at Station 10+27, 52' LT Northeast beyond the project limits.
3. On the Southeast side of Tatnall Street from Manhole #929 at Station 10+38, 6' RT extending Northeast beyond the project limits.
4. On the Northwest side of Tatnall Street from Manhole #929 at Station 10+38, 6' RT extending Southwest through Manhole #566RA beyond the project limits.
5. On the Northwest side of Tatnall Street from Manhole #929 at Station 10+38, 6' RT extending Northwest into the building located at 901 Tatnall Street.

6. On the Northwest side of Tatnall Street from Manhole #929 at Station 10+38, 6' RT extending Northeast into the building located at 223 West 9th Street.
7. On the Northwest side of Tatnall Street from Manhole #929 at Station 10+38, 6' RT extending Northeast into the alley behind the building located at 223 West 9th Street.
8. On the Northwest side of Tatnall Street from Manhole #929 at Station 10+38, 6' RT extending Northeast into the building located at 900 Tatnall Street.
9. On the Northwest side of Tatnall Street from Manhole #929 at Station 10+38, 6' RT extending Southeast into the building located at 228 West 9th Street.
10. On the Northwest side of Tatnall Street from Manhole #929 at Station 10+38, 6' RT extending East into the building located at 224 West 9th Street.
11. On the Northwest side of Tatnall Street from Manhole #929 at Station 10+38, 6' RT extending East into the building located at 216 West 9th Street.
12. On the Southwest side of West 9th Street from Manhole #566RA at Station 10+38, 13' RT extending Northwest beyond the project limits.
13. Along West 9th Street from Manhole #566RA at Station 10+38, 13' RT extending Southeast to Manhole #930 at Station 13+80 Right 14.
14. Along West 9th Street from Manhole #566RA at Station 10+38, 13' RT extending Southwest into the building at 300 West 9th Street.
15. On the Southwest side of West 9th Street from Manhole #931 at Station 12+20, 8' RT extending Northeast into the building located at 213 West 9th Street.
16. On the Southwest side of West 9th Street from Manhole #931 at Station 12+20, 8' RT extending Southwest into the building located at 214 West 9th Street.
17. On the Southeast side of Orange Street from Manhole #930 at Station 13+80, 14' RT extending Southeast beyond the project limits.
18. On the Northeast side of Orange Street from Manhole #930 at Station 13+80, 14' RT extending Northeast beyond the project limits.
19. On the Northeast side of Orange Street from Manhole #930 at Station 13+80, 14' RT extending Southwest beyond the project limits.
20. On the Northeast side of Orange Street from Manhole #930 at Station 13+80, 14' RT extending Northwest into the building located at 201 West 9th Street.
21. On the Northeast side of Orange Street from Manhole #930 at Station 13+80, 14' RT extending Southwest into the building located at 200 West 9th Street.

There is one manhole that needs a vertical adjustment by Verizon to match the proposed grade of the sidewalk. It is located at:

Sta. 12+20, 9' RT

Any other adjustments and/or relocations of the Company's existing facilities will be done by the appropriate Company's forces as necessary during construction.

No existing Verizon facilities can be taken out of service. These facilities will remain in place and active during the duration of this contract.

Windstream (Cavalier Telephone)

Windstream maintains underground facilities within DP&L conduit. No impacts on surrounding facilities are anticipated.

No existing Windstream facilities can be taken out of service. These facilities will remain in place and active during the duration of this contract.

ZAYO Communications

Zayo has leased facilities within Delmarva conduit. No impacts on surrounding facilities are anticipated.

No existing Zayo facilities can be taken out of service. These facilities will remain in place and active during the duration of this contract.

General Utility Notes

Outside of the companies and facilities discussed above, no additional utility involvement is anticipated. Should any conflicts be encountered as a result of the contractor's means and methods during construction requiring adjustment and/or relocation, the necessary relocation work shall be accomplished by the respective utility company and funded by the State's Contractor as directed by the District Engineer. The State Contractor shall coordinate any potential conflicts with utility companies and provide adequate notice prior to performing work. Any utility conflicts that are not readily discernable shall be coordinated by the State Contractor once the conflict is recognized. The time to complete any relocations/adjustments found to be necessary during construction of the highway project will depend on the nature of the work.

Once the State's contractor has given the Utility the advance notice required above, it is the responsibility of the State's contractor to have the work area prepared and accessible for the Utility to perform the tasks listed above. If the site conditions are not ready and the state contractor has given notice to the utility on when the work is to be accomplished, the State's Contractor shall be responsible for any extra cost incurred by the utility company and the State Contractor shall also be responsible for any time delays. Between when the required notice is given to the Utility and when the work is performed and completed, the coordination and scheduling of the Utility is the sole responsibility of the State's Contractor. All costs related to the coordination and scheduling of the utilities is incidental to the contract.

Any adjustments and/or relocations of municipally owned sewer or water facilities shall be performed by the State's Contractor in accordance with the respective agency's standard specifications as directed by the District Engineer. The State contractor shall coordinate any

potential conflicts of municipally owned sewer or water facilities with facility owners and provide adequate notice to the municipally and to the District Engineer prior to performing work.

General Notes

1. The Contractor's attention is directed to Section 105.09 Utilities, Delaware Standard Specifications, August 2016. The Contractor shall contact Miss Utility (1-800-282-8555) two working days prior to any excavation. The Contractor is responsible for the support and protection of all utilities when excavating. The Contractor is responsible for ensuring proper clearances, including safety clearances, from overhead utilities for construction equipment. The Contractor is advised to check the site for access and operating purposes for his equipment and, if necessary, make arrangements directly with the utility companies for field adjustments for adequate clearances.
2. The information shown in the Contract Documents, including the Utility Statement and the Utility Schedule contained herein, concerning the location, type, and size of existing and proposed utilities, their locations, and construction timing has been compiled by the preparer based on information furnished by each of the involved Utility Companies. It shall be the responsibility of the State's Contractor to verify all information and coordinate with the Utility Companies prior to and during construction, as specified in Section 105.09 of the Standard Specifications.
3. It is understood and agreed that the Contractor has considered in his bid all permanent and temporary utility appurtenances in their present and relocated positions as shown on the plans or described in the Utility Statement or are readily discernible and that no additional compensation will be allowed for any delays, inconvenience, or damage due to any interference from the utility facilities and appurtenances or the operation of moving them, except that the Contractor may be granted an equitable extension of time unless the delay is caused by the Contractor's delay in having the site conditions ready for the utility relocation work after the Contractor has provided the advance notice that the site conditions would be ready for the utility relocation work. The contractor's means and method of construction are not taken into account when known utility conflicts are identified. If the Contractor's means and method of construction create a utility conflict the Utility Statement will prevail in discussions with the utility and the Contractor. The State's Contractor shall be responsible for any costs associated with any temporary outages; holding, bracing and shielding of utility facilities; temporary relocations; or permanent relocations that are not specifically identified in this utility statement or shown in the contract plan set.
4. Coordination and cooperation among the Utility Companies and the State's Contractor are of prime importance. Therefore, the Contractor is directed to contact the following Utility Company representatives with any questions regarding this work prior to submitting bids and work schedules. Proposed work schedules should reflect the Utility Companies' proposed relocations. The Utility Companies do not work on weekends, nights or legal holidays.

NAME	COMPANY	PHONE	EMAIL
Jay Everly	AT&T	(610) 328-6465	jay@trecgroup.com
Brian Mitchell	City of Wilmington – Public Works	(302) 576-3089	bmittchell@wilmingtonde.gov
Luis Camacho	City of Wilmington – Water	(302) 576-3065	lcamacho@wilmingtonde.gov
Michelle Devillers	City of Wilmington – Sewer	(302) 576-3072	mdevillers@wilmingtonde.gov
Darren Marsteller	Americomm LLC/Comcast	(717) 405-4280	dmarsteller@americomm-llc.com
Angel Collazo	Delmarva Power – Electric	(302) 454-4370	angel.collazo@delmarva.com
Laszlo Keszler	Delmarva Power – Gas	(302) 429-3069	laszlo.keszler@delmarva.com
Mike Foster	Fibertech	(585) 743-1731	Mike.Foster@crowncastle.com
John Alessandrini	MCI Telecommunications	(610) 337-6707	john.alessandrini@verizon.com
George Zang	Verizon	(302) 422-1238	george.w.zang@verizon.com
Harry Sheppard	Windstream	(302) 224-7121	Harry.Sheppard@windstream.com
Chris Ricciuti	Zayo Communications		Chris.Ricciuti@zayo.com

5. As outlined in Chapter 3 of the DelDOT Utilities Manual, individual utility companies are responsible for obtaining all required permits from municipal, State and federal government agencies and railroads. This includes but is not limited to water quality permits/DNREC Water Quality Certification, DNREC Subaqueous Lands/Wetlands permits, DNREC Coastal Zone Consistency Certification, County Floodplain permits (New Castle County only), U.S. Coast Guard permits, US Army Corps 404 permits, sediment and erosion permits, and railroad crossing permits.
6. Individual utility companies are required to restore any areas disturbed in conjunction with their relocation work. If an area is disturbed by a utility company and is not properly restored, the Department may have the State’s Contractor perform the necessary restoration. Any additional costs incurred as a result will be forwarded to the utility company.
7. 16 Del. C. § 7405B requires notification to and mutually agreeable measures from the public utility operating the electric line for any person intending to carry on any function, activity, work or operation within dangerous proximity of any high voltage overhead electric lines. All contractors/other utilities must also maintain a minimum distance of 10’-0” from all energized lines. Additional clearance may be required from high voltage transmission lines.
8. Any existing facilities that are comprised of hazardous materials will be removed by the Utility Company unless otherwise outlined in the contract documents or language above. Any existing facilities containing hazardous materials will be purged by the Utility Company unless otherwise outlined in the contract documents or language above.

Prepared and Recommended by:

Stefan Rukowicz

Stefan F. Rukowicz, McCormick Taylor
SFRukowicz@mccormicktaylor.com

3/19/2020

DATE

Approved as to form by:

Deborah L. Kukulich

Deborah L. Kukulich, DeIDOT
Deborah.Kukulich@delaware.gov

March 19, 2020

DATE

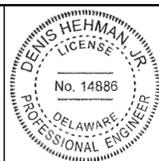
ADDENDUM PREPARED BY

**McCORMICK
TAYLOR**



3/24/2020

DATE



SEAL

THIS SEAL APPLIES TO THE FOLLOWING SHEETS CHANGED UNDER ADDENDUM 1: SHEETS 4, 8, 21, 22, 23, 24

3/24/2020 7:30:49 AM ... \ADDENDA AND REVISIONS_9th Street.dgn

ADDENDA / REVISIONS

△ ADDENDUM 1, ADDED EXISTING COMCAST, REVISED LIGHT POLE DETAIL

SFR 3/24/2020

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

EXISTING SYMBOLS

DRAINAGE	
	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

MANMADE ROADSIDE FEATURES	
	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

NATURAL ROADSIDE FEATURES	
	GRASS LAWN
	HEDGEROW OR THICKET
	MARSH BOUNDARY LINE
	TREE - CONIFEROUS
	TREE - DECIDUOUS
	TREE STUMP
	SHRUBBERY
	DELINEATED WETLAND BOUNDARY LINE
	WOODS LINE BOUNDARY

RIGHT-OF-WAY SYMBOLS	
	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

SURVEY CONTROL & MONUMENTATION	
	SURVEY BENCHMARK LOCATION
	SURVEY TIE POINT LOCATION
	SURVEY TRAVERSE POINT
	POINT OF CURVATURE OR TANGENCY
	POINT OF INTERSECTING TANGENTS

UTILITY	
	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

UTILITY COMPANY FACILITIES	
	AT&T CABLE
	WINDSTREAM (AKA-CAVALIER)
	CITY OF WILMINGTON-WATER
	CITY OF WILMINGTON-SEWER
	DELMARVA POWER
	DELMARVA POWER-GAS
	MCI TELECOMMUNICATIONS
	VERIZON CABLE
	VERIZON OVERHEAD
	COMCAST CABLE
	COMCAST OVERHEAD

CONSTRUCTION	
	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

RIGHT-OF-WAY SYMBOLS	
	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

IDENTIFIERS	
	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

LANDSCAPING	
	LANDSCAPE PLANTINGS
	SHRUBBERY
	CONIFEROUS TREE
	DECIDUOUS TREE

TRAFFIC	
	ITMS CONDUIT
	SIGNAL CONDUIT
	CONDUIT JUNCTION WELL
	LUMINAIRE
	PAVEMENT MARKINGS
	PAVEMENT STRIPING
	TRAFFIC SIGN

MISCELLANEOUS	
	EXISTING PARKING METER
	PROPOSED RIGHT TO ENTER
	PROPOSED DETECTABLE WARNING SURFACE

PAVEMENT SECTION(S)	
	OVERLAY PAVEMENT - SEE TYPICAL SECTIONS FOR MATERIALS AND DEPTHS
	RECONSTRUCTED PAVEMENT/PAVEMENT PATCHING - SEE TYPICAL SECTIONS FOR MATERIALS AND DEPTHS

CONSTRUCTION PHASING & M.O.T	
	WORK AREA - ACTIVE PHASE
	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
	INLET SEDIMENT CONTROL
	CHANNELIZING DEVICE - TRAFFIC CONTROL
	SILT FENCE/SILT FENCE IDENTIFIER
	REINFORCED SILT FENCE/REINFORCED SILT FENCE IDENTIFIER

EROSION & SEDIMENT CONTROL	
	COMPOST FILTER LOG / LENGTH
	COMPOST FILTER LOG
	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
	SILT FENCE - REINFORCED
	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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ADDENDUM 1, ADDED EXISTING COMCAST SFR 3/24/2020

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		

LEGEND

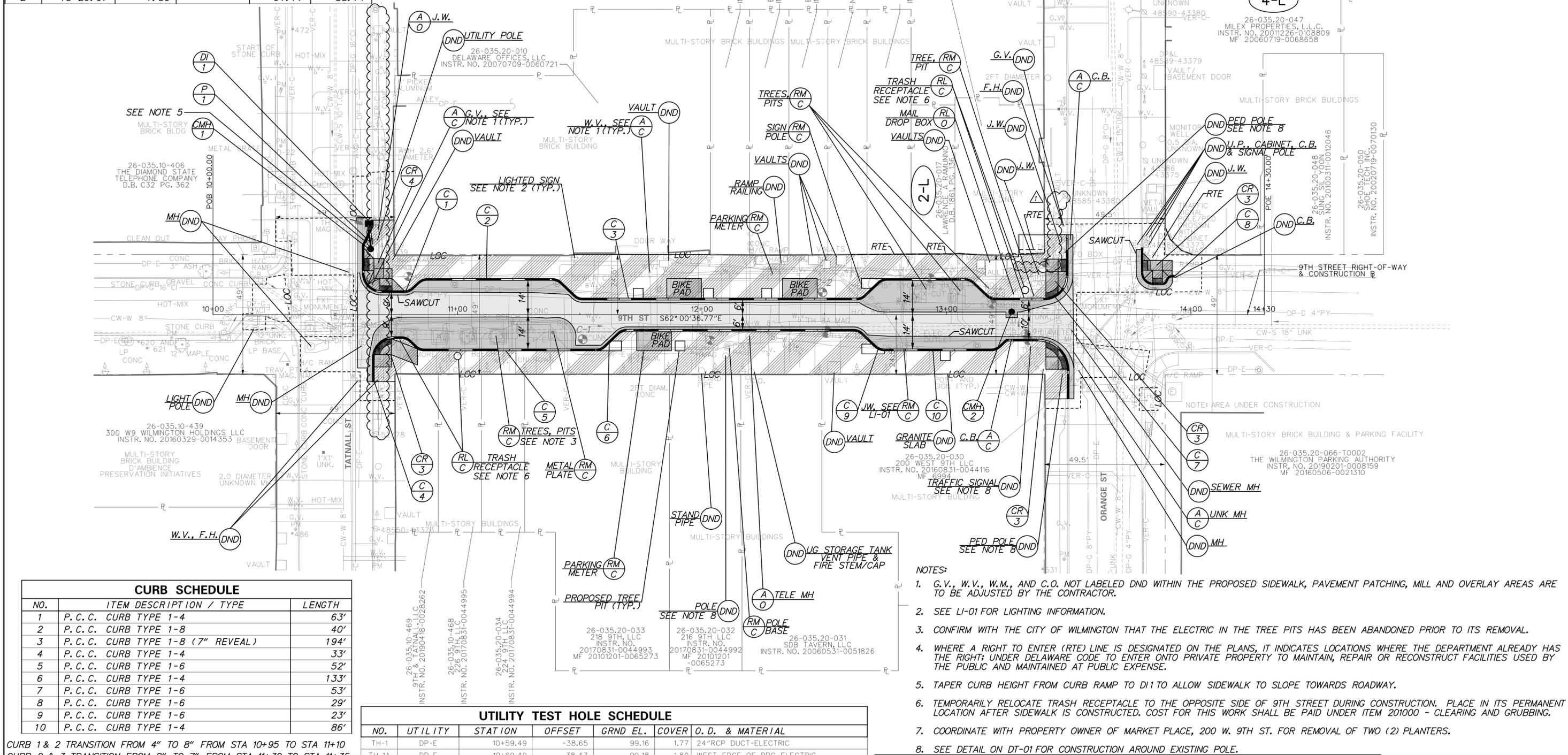
LG-01
SECTION
McT
SHEET NO.
4

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.

CURB 1 & 2 TRANSITION FROM 4" TO 8" FROM STA 10+95 TO STA 11+10
 CURB 2 & 3 TRANSITION FROM 8" TO 7" FROM STA 11+30 TO STA 11+35
 CURB 3 & 7 TRANSITION FROM 7" TO 6" FROM STA 13+16 TO STA 13+21
 CURB 4 & 5 TRANSITION FROM 4" TO 6" FROM STA 10+83 TO STA 10+93
 CURB 5 & 6 TRANSITION FROM 6" TO 4" FROM STA 11+25 TO STA 11+35
 CURB 6 & 9 TRANSITION FROM 4" TO 6" FROM STA 12+65 TO STA 12+70
 CURB 9 & 10 TRANSITION FROM 6" TO 4" FROM STA 12+85 TO STA 12+90

ADDENDUM 1, ADDED EXISTING COMCAST SFR 3/24/2020

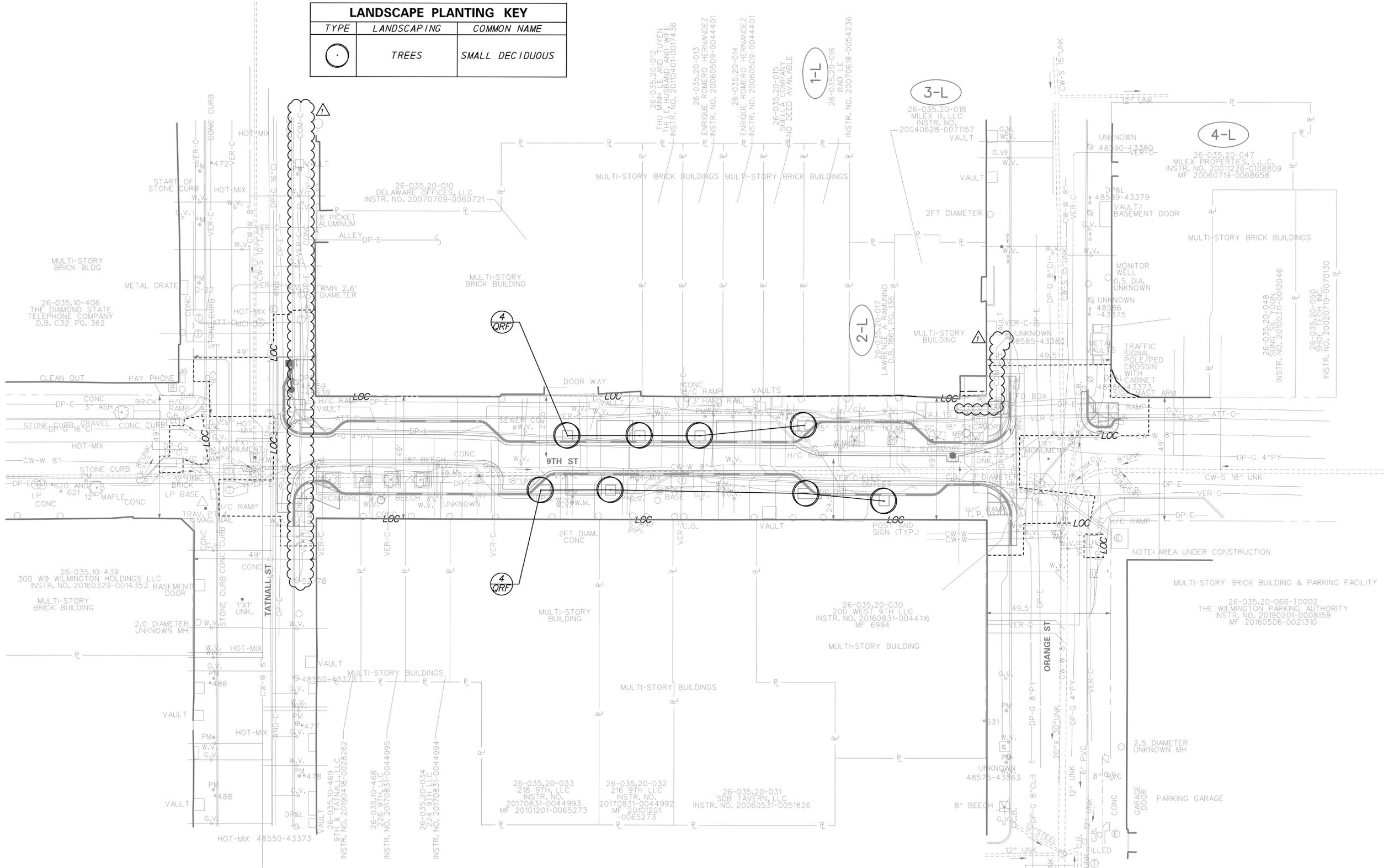
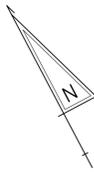


9TH STREET ENHANCEMENTS, PHASE II

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

CONSTRUCTION PLAN	
SECTION	CP-01
McT	
SHEET NO.	8

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.

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ADDENDA / REVISIONS	
ADDENDUM 1, ADDED EXISTING COMCAST	SFR 3/24/2020



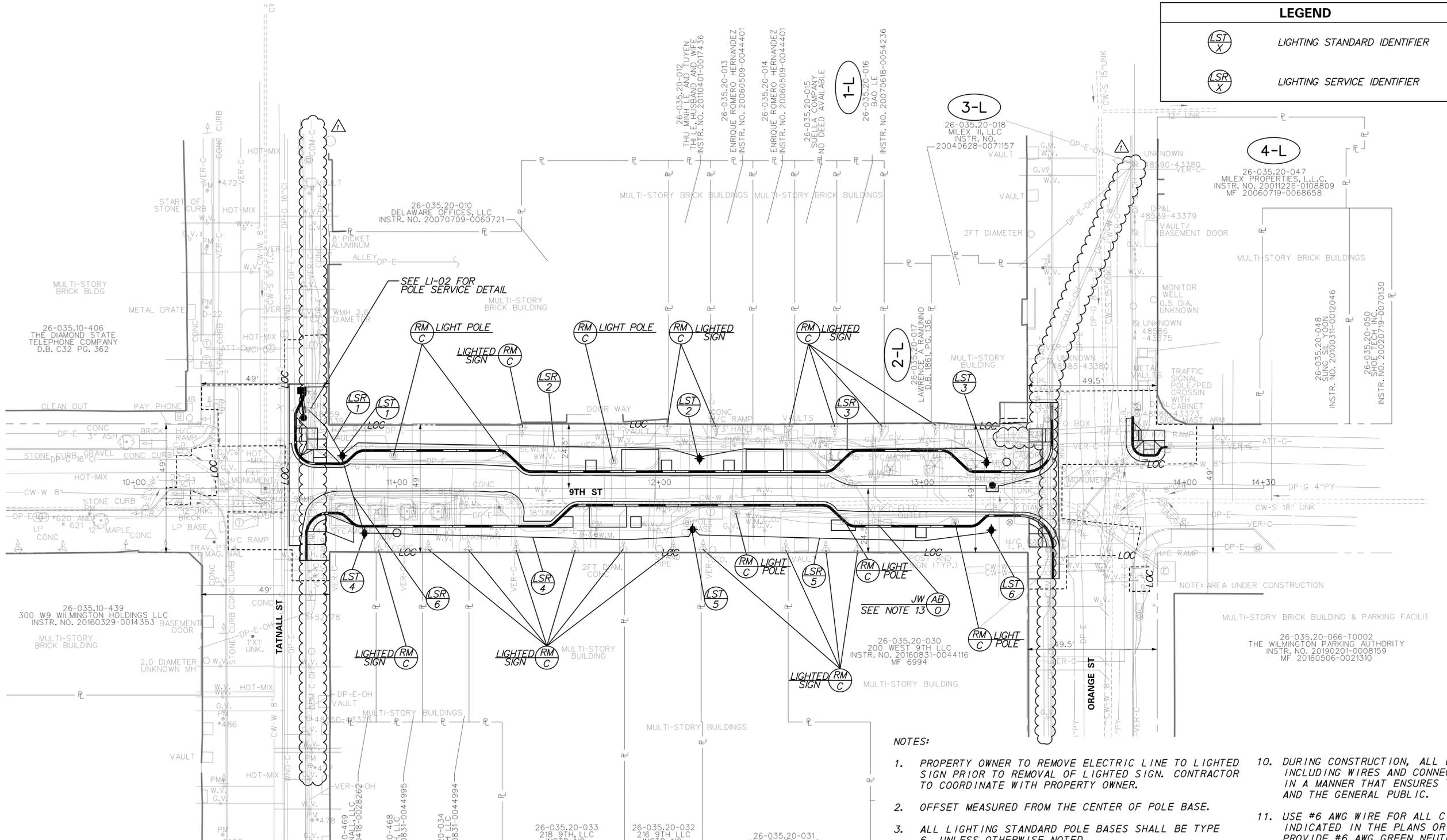
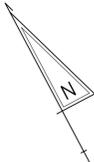
9TH STREET ENHANCEMENTS, PHASE II

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

LANDSCAPING PLAN

LS-01
SECTION
McT
SHEET NO.
21

LEGEND	
	LIGHTING STANDARD IDENTIFIER
	LIGHTING SERVICE IDENTIFIER



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.

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

ADDENDA / REVISIONS

ADDENDUM 1, ADDED EXISTING COMCAST SFR 3/24/2020



9TH STREET ENHANCEMENTS, PHASE II

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

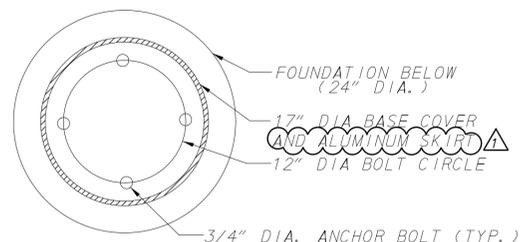
LIGHTING PLAN

LI-01
SECTION
McT
SHEET NO.
22

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McCormick Taylor



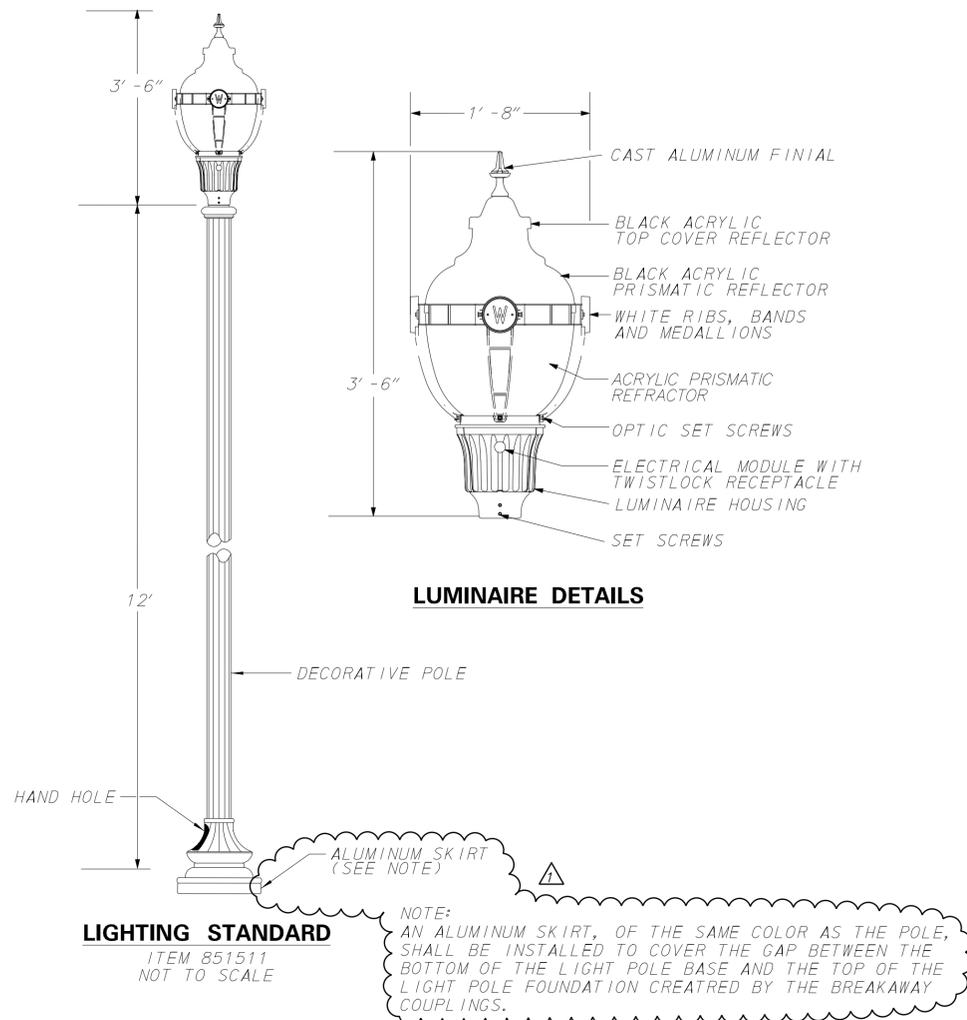
ANCHOR BOLT DETAIL



POLE BASE BOLT PATTERN

LIGHT POLE FOUNDATION

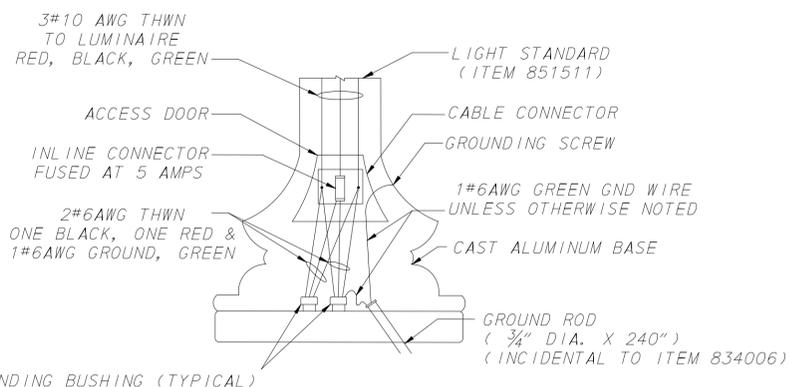
ITEM 834006
NOT TO SCALE



LUMINAIRE DETAILS

LIGHTING STANDARD

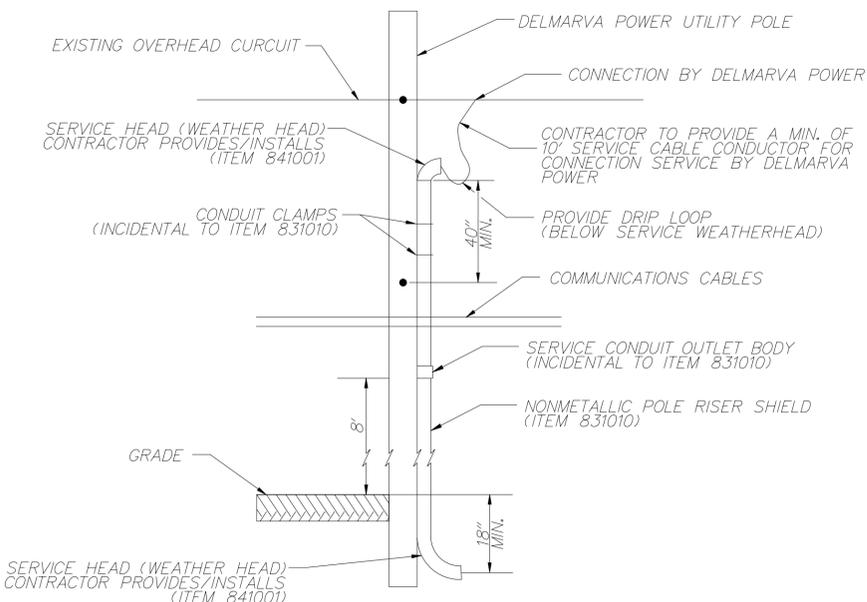
ITEM 851511
NOT TO SCALE



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

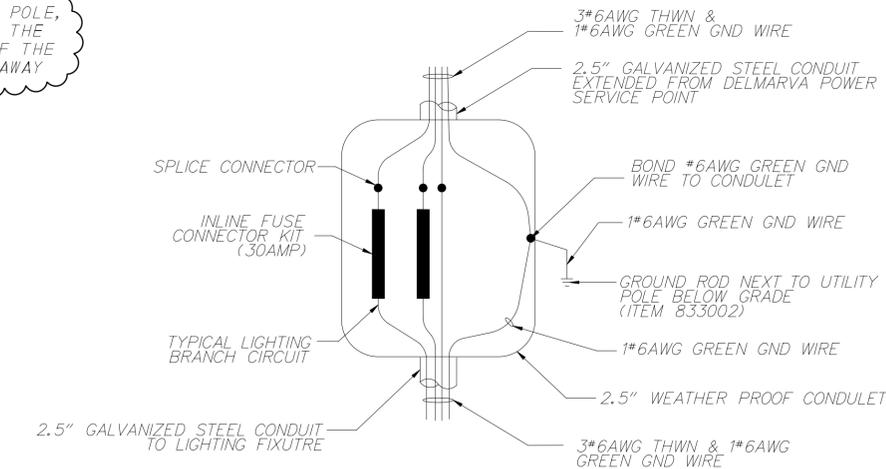
TYPICAL LUMINAIRE CONNECTION

NOT TO SCALE



POLE SERVICE DETAIL

NOT TO SCALE



SERVICE CONDUIT OUTLET BODY

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.

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McCORMICK TAYLOR

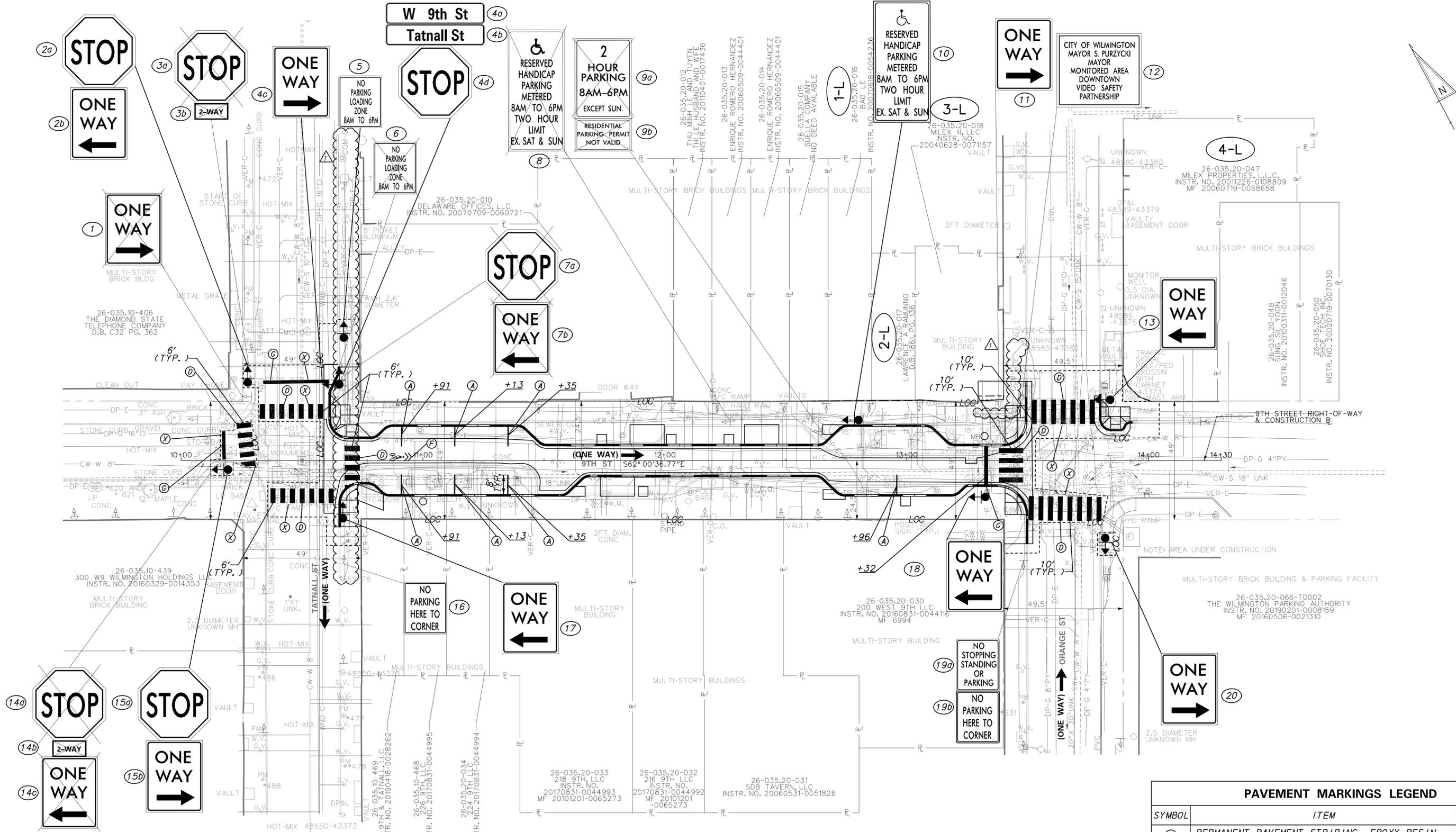
ADDENDA / REVISIONS	
ADDENDUM 1, REVISED LIGHT POLE DETAIL	SFR 3/24/2020

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

ADDENDUM / REVISIONS	
ADDENDUM 1, ADDED EXISTING COMCAST	SFR 3/24/2020



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	
SECTION	McT
SHEET NO.	24

SS-01