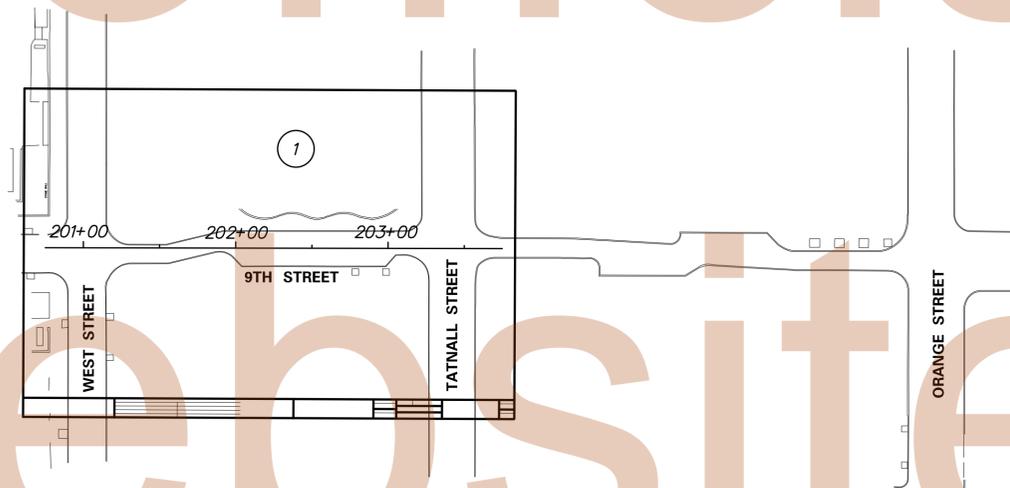
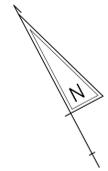




PLAN SHEET INDEX CROSS REFERENCE	
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ADDENDUMS / REVISIONS	



**CITY OF WILMINGTON**  
**9TH STREET**  
**STREETScape IMPROVEMENTS**

CONTRACT	BRIDGE NO.	<b>NA</b>
T200920001	DESIGNED BY:	WJD
COUNTY	CHECKED BY:	MAA
NEW CASTLE		

**PLAN SHEET INDEX**

IS-01
SHEET NO.
2
TOTAL SHTS.
28

## 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 VENT OR CLEANOUT
	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	
	VERIZON
	CITY OF WILMINGTON WATER
	CITY OF WILMINGTON SEWER
	MCI TELECOMMUNICATIONS
	ABOVENET COMMUNICATIONS
	CAVALIER TELEPHONE
	DELMARVA POWER
	DELMARVA POWER GAS
	AT&T TRANSMISSION
	FIBERTECH
	COMCAST CABLE

CONSTRUCTION	
	CONCRETE SAFETY BARRIER - PERMANENT
	BIOFILTRATION SWALE
	BOLLARD - STEEL POLE
	BOLLARD - WOOD POST
	BRICK PATTERNED SURFACE
	BUTT JOINT
	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
	CLEAR ZONE
	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
	HORIZONTAL CLEARANCE
	IMPACT ATTENUATOR
	JUNCTION BOX - DRAINAGE
	LIMIT OF CONSTRUCTION
	MANHOLE
	PAVEMENT PATCH
	PAVEMENT REMOVAL - TOPSOIL, SEED AND MULCH
	PIPE & DIRECTIONAL FLOW ARROW
	RIPRAP
	P.C.C. SIDEWALK @ 4"
	P.C.C. SIDEWALK @ 6"
	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
	REMOVE BY 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

PAVEMENT SECTION(S)	
	RECONSTRUCTED PAVEMENT - SEE TYPICAL SECTIONS FOR MATERIALS AND DEPTHS
	OVERLAY PAVEMENT - SEE TYPICAL SECTIONS FOR MATERIALS AND DEPTHS.
	BRICK SIDEWALK

LAST REVISED: 11/09/2010  
PAGE AGR 1471 TO 20 9TH STREET DESIGN/PERMITS/SECTION

## GENERAL NOTES

- THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE DELAWARE DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS", DATED AUGUST 2001 AND THE DELAWARE DEPARTMENT OF TRANSPORTATION "STANDARD CONSTRUCTION DETAILS", DATED 2001, INCLUDING ALL REVISIONS UP TO THE DATE OF ADVERTISEMENT.
- THE CONTRACTOR SHALL GIVE TWO (2) WEEKS NOTICE TO THE PROPERTY OWNER WHEN ANY FIXTURE, SHRUB OR OTHER OBJECT MUST BE REMOVED FROM THE RIGHT OF WAY OR EASEMENT AREA. IF THE OWNER HAS NOT ATTEMPTED TO SALVAGE THIS PROPERTY, THE CONTRACTOR SHALL REMOVE IT WITHOUT OBLIGATION. COMPENSATION SHALL BE INCIDENTAL TO THE CONTRACT.
- THE ENDS OF ALL CURBS SHALL BE DEPRESSED FLUSH WITH THE PAVEMENT AT A RATIO OF TWELVE TO ONE (12:1) UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL PROVIDE AND INSTALL PVC SLEEVES (4" INSIDE MINIMUM DIAMETER, 6" INSIDE MAXIMUM DIAMETER) IN PROPOSED CONCRETE SIDEWALKS, ISLANDS, AND MEDIANS FOR FUTURE TRAFFIC SIGN POSTS AS DIRECTED BY THE ENGINEER. THE LOWER END OF THE SLEEVE SHALL SIT ON THE TOP OF THE SUBBASE MATERIAL. THE COST SHALL BE INCIDENTAL TO THE CONTRACT.
- STAGING AREAS - PROPER EROSION AND SEDIMENT CONTROL MEASURES AS DETERMINED BY THE ENGINEER SHALL BE INSTALLED IN ALL STAGING AREAS. ALL AREAS USED BY THE CONTRACTOR FOR STAGING OPERATIONS SHALL BE FULLY RESTORED BY THE CONTRACTOR UPON COMPLETION OF THE CONTRACT. IF THE STAGING AREA IS PAVED, IT SHALL BE RESTORED TO ITS ORIGINAL CONDITION. IF THE AREA IS UNPAVED, IT SHALL BE RE-GRADED, TOPSOILED, SEEDED AND MULCHED IN ACCORDANCE WITH DELAWARE STANDARD SPECIFICATIONS 732, 734 AND 735, FOR TOPSOIL, SEED AND MULCH RESPECTIVELY, TO THE SATISFACTION OF THE ENGINEER. THE SEED SHALL ADHERE TO THE SPECIFICATIONS OF SECTION 734 FOR PERMANENT GRASS SEEDING - DRY GROUND. ALL COSTS ASSOCIATED WITH RESTORATION OF THE STAGING AREA SHALL BE AT THE CONTRACTOR'S EXPENSE. IF THE ENGINEER DETERMINES THAT A SATISFACTORY STAND OF GRASS DOES NOT EXIST AT THE TIME OF FINAL INSPECTION, ALL COSTS ASSOCIATED WITH REESTABLISHING A SATISFACTORY STAND OF GRASS SHALL BE AT THE CONTRACTOR'S EXPENSE.
- SITE REVIEWER - AN EROSION CONTROL SITE REVIEWER SHALL BE A PERSON FROM THE CONTRACTOR'S STAFF ASSIGNED TO EROSION AND SEDIMENT CONTROL IMPLEMENTATION AND MAINTENANCE AND SHALL BE REQUIRED ON SPECIFIC PROJECTS. THE NAME AND DNREC CERTIFICATION NUMBER OF EACH SITE REVIEWER SO REQUIRED SHALL BE SUBMITTED TO THE DEPARTMENT. THE NAME OF THE DELAWARE REGISTERED PROFESSIONAL ENGINEER PROVIDING DIRECTION AND SUPERVISION OF THE SITE REVIEWER, AS REQUIRED IN SECTION 12.3 OF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS, SHALL ALSO BE SUBMITTED TO THE DEPARTMENT. THE SITE REVIEWER REQUIREMENTS IN EFFECT ON THIS PROJECT SHALL BE MARKED WITH AN "X" BELOW:

EROSION POTENTIAL FOR THIS PROJECT	SITE REVIEWER REQUIREMENT
( X ) INSIGNIFICANT	NONE
( ) MINOR	CONTRACTOR CERTIFICATION COURSE TRAINING ONLY, AS DEFINED IN SECTION 13 OF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS.
( ) MEDIUM	AT THE TIME OF BID OF THE CONTRACT, EITHER THE SUPERINTENDENT OR A SEPARATE INDIVIDUAL FROM THE CONTRACTOR'S STAFF SHALL BE A CERTIFIED CONSTRUCTION REVIEWER (CCR), AS DEFINED IN SECTION 12 OF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS.
( ) MAJOR	SUPERINTENDENT AND AN INDIVIDUAL FROM CONTRACTOR'S STAFF SHALL BE CCR. ONE INDIVIDUAL FROM THE CONTRACTOR'S STAFF MUST BE A CCR AT THE TIME OF BID OF THE CONTRACT. THE SUPERINTENDENT MUST BECOME A CCR WITHIN ONE YEAR AFTER THE AWARD OF CONTRACT.

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

( X )	NONE
( )	ASCII DATA FILES WITH COORDINATES AND ELEVATIONS FOR PROPOSED POINTS AS SELECTED BY THE ENGINEER.
( )	RASTER FILES, IN .CAL FILE FORMAT, FOR ALL PLAN SHEETS.
( )	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.

- 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 743000.
( )	THE CONTRACTOR SHALL HAVE AN ATSSA SUPERVISOR ASSIGNED TO THIS PROJECT. THE ATSSA SUPERVISOR'S SOLE JOB SHALL BE SUPERVISION OF THE INSTALLATION, OPERATION AND MAINTENANCE OF TRAFFIC CONTROL DEVICES FOR THIS PROJECT. THE CONTRACTOR'S GENERAL SUPERINTENDENT FOR THIS PROJECT SHALL NOT BE THE ATSSA SUPERVISOR. PAYMENT FOR THE ATSSA SUPERVISOR SHALL BE PAID FOR UNDER ITEM 743031.

- THE DISTURBED AREA FOR THIS PROJECT IS 0.3164 ACRES.

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADHERING TO THE CONSTRUCTION SITE POLLUTION PREVENTION SPECIFICATIONS AS DETAILED IN SECTION 3.6 OF THE "DELAWARE EROSION AND SEDIMENT CONTROL HANDBOOK". ALL COSTS ASSOCIATED WITH ADHERING TO THE STANDARDS SHALL BE INCIDENTAL TO THE OVERALL CONTRACT COSTS.

- THE EROSION AND SEDIMENT CONTROL PLANS HAVE BEEN APPROVED BY DELDOT'S STORMWATER ENGINEER UNDER DELDOT'S DELEGATED AUTHORITY. THE EROSION AND SEDIMENT CONTROL PLANS ARE VALID FOR A THREE 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 THREE YEARS, THE CONTRACTOR SHALL INFORM THE ENGINEER THREE MONTHS PRIOR TO THE EXPIRATION OF THE EROSION AND SEDIMENT CONTROL PLAN APPROVAL. DELDOT WILL REVIEW THE CURRENT EROSION AND SEDIMENT CONTROL PLAN AND ISSUE AN EXTENSION WITH ANY APPROPRIATE MODIFICATIONS.

## PROJECT NOTES

### SECTION 100

- ANY DAMAGE TO ITEMS NOTED TO BE RELOCATED OR RESET BY THE CONTRACTOR, AT THE DISCRETION OF THE ENGINEER, SHALL BE REPAIRED AND/OR REPLACED IN KIND AT THE CONTRACTOR'S EXPENSE.
- UNLESS OTHERWISE NOTED, EXISTING FEATURES (I.E. STEPS, FENCES, RAILINGS, BILCO DOORS, WINDOW WELLS, ETC.) SHALL NOT BE DISTURBED. IF THE EXISTING FEATURES ARE DISTURBED BY THE CONTRACTOR AT THE DISCRETION OF THE ENGINEER THEY SHALL BE RESTORED TO THE ORIGINAL CONDITION OR REPLACED AT THE CONTRACTOR'S EXPENSE.
- ALL EXCESS EXCAVATION AND ALL OLD PAVEMENT, BASE COURSE, DEBRIS, BROKEN CONCRETE, ETC. SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE HAULED AWAY FROM THE SITE, UNLESS OTHERWISE APPROVED BY THE ENGINEER. THERE ARE TO BE NO DISPOSAL LOCATION AT THE CONSTRUCTION SITE. DISPOSAL OF MATERIALS SHALL NOT OCCUR IN WETLAND AREAS. THE CONTRACTOR IS SOLELY RESPONSIBLE TO OBTAIN OFF-SITE SPOIL AREAS FOR DISPOSAL OF EXCESS AND/OR UNSUITABLE MATERIALS AS NECESSARY. OFF-SITE SPOIL AREAS MUST BE SUBMITTED TO THE DEPARTMENT FOR REVIEW AND APPROVAL BY THE DEPARTMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PLANS, PERMITS, EROSION AND SEDIMENT CONTROL MEASURES, ETC. REQUIRED BY THE APPROPRIATE REGULATORY AGENCIES FOR UTILIZING OFF-SITE SPOIL AREAS. THE CONTRACTOR SHALL CERTIFY TO THE ENGINEER THAT ALL REQUIRED PERMITS HAVE BEEN OBTAINED PRIOR TO UTILIZING THE OFF-SITE SPOIL AREAS. ALL COSTS FOR PROCURING AND UTILIZING THE OFF-SITE SPOIL AREAS SHALL BE INCIDENTAL TO ALL CONTRACT BID ITEMS.
- THE CONTRACTOR MUST OBTAIN ALL SPECIAL PERMITS REQUIRED TO CONSTRUCT THE PROJECT. THESE MAY INCLUDE BUT ARE NOT LIMITED TO CITY STREET CLOSURE PERMITS, FIRE HYDRANT USE PERMITS, ETC. OBTAINING THE PERMITS WILL NOT JUSTIFY A DELAY IN THE CONSTRUCTION SCHEDULE.

### SECTION 200

- ALL TREES, STUMPS, AND ROOTMAT REMOVED UNDER 201000 CLEARING AND GRUBBING SHALL BE ENTIRELY REMOVED REGARDLESS OF DEPTH. BURIAL OF ORGANIC MATTER IS NOT PERMITTED. OPEN BURNING OF TREES, STUMPS, BRUSH, ETC. IS NOT PERMITTED. CHIPPED MATERIAL MUST BE REMOVED PRIOR TO PLACING EMBANKMENT.
- ITEMS TO BE REMOVED UNDER ITEM 211000 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
  - CONCRETE PADS
  - CONCRETE BOLLARDS
  - SIGNS
  - DECORATIVE MASTS
  - BENCHES
  - CONCRETE PLANTERS, INCLUDING BRICK WALL BEHIND PLANTER
  - PARKING METER POSTS AND FOUNDATIONS
- THIS PROJECT IS COVERED UNDER AN NPDES GENERAL PERMIT FOR CONSTRUCTION. UNDER THE GENERAL PERMIT, COMPLIANCE WITH DELDOT'S APPROVED SEDIMENT AND STORMWATER MANAGEMENT PLANS WILL CONSTITUTE COMPLIANCE WITH THE NPDES INDUSTRIAL PERMITTING REQUIREMENTS FOR THIS CONSTRUCTION PROJECT. A COPY OF THE NPDES GENERAL PERMIT AND NOI IS KEPT ON FILE IN EACH OF THE CONSTRUCTION OFFICES AND THE DEPARTMENT'S TEAM SUPPORT SECTION. A COPY OF THE GENERAL PERMIT OR THE NOI CAN BE OBTAINED UPON REQUEST FROM EITHER THE DEPARTMENT'S STORMWATER ENGINEER OR THE APPROPRIATE CONSTRUCTION ENGINEER.

### SECTION 700

- IN AREAS WHERE PROPOSED CURB MEETS EXISTING CURB AND THE TWO CURB TYPES ARE NOT SIMILAR, THE PROPOSED CURB SHALL BE TRANSITIONED IN 10 LINEAR FEET, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. PAYMENT FOR THIS WORK, INCLUDING SAW CUTTING EXISTING CURB SHALL BE INCIDENTAL TO THE PROPOSED CURB ITEM.
- WHERE PROPOSED CONCRETE SIDEWALK IS CONSTRUCTED TO MEET EXISTING SIDEWALK, THE EXISTING SIDEWALK SHALL BE SAWCUT AT THE TIE-IN POINT OR MEET THE NEAREST EXISTING SIDEWALK JOINT. ALL SAW CUTTING SHALL BE FULL DEPTH, UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE ENGINEER AND SHALL BE PAID FOR UNDER ITEM 762002 - SAWCUTTING, CONCRETE, FULL DEPTH.
- ALL PAVED AREAS TO BE RECONSTRUCTED OR WIDENED SHALL BE SAWCUT AT THE POINT WHERE THE NEW PAVEMENT IS TO TIE INTO THE EXISTING PAVEMENT.
- ALL HOT-MIX SAW CUTTING SHALL BE FULL DEPTH, UNLESS OTHERWISE NOTED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.
- FOR SIDEWALK CONSTRUCTION, NO BARE SOIL SHALL BE PERMITTED TO SHOW AT THE END OF THE WORK DAY. ALL BARE SOIL SHALL BE COVERED WITH GABC OR A METHOD APPROVED BY THE ENGINEER.

### MISCELLANEOUS

- THE CONTRACTOR SHALL CONTACT MICHAEL ELLER, THE CHIEF OF SCHEDULING FOR DART FIRST STATE, 14 DAYS PRIOR TO THE START OF CONSTRUCTION AT 302-576-6061.
- PRIOR TO THE CONSTRUCTION OF THE PROJECT AND WITHIN 20 DAYS OF EXECUTION OF THE PROJECT, A VIDEO SHALL BE TAKEN OF THE SITE BY THE CONTRACTOR AND A COPY GIVEN TO THE DELDOT PROJECT ENGINEER. THE VIDEO SHALL CLEARLY SHOW THE PRE-CONSTRUCTION CONDITIONS OF THE WORKSITE AND ADJOINING AREAS. THE VIDEO WILL BE SUBJECT TO THE APPROVAL OF THE ENGINEER. THE COST OF THE VIDEO SHALL BE INCIDENTAL TO ITEM 763501-CONSTRUCTION ENGINEERING.
- THERE ARE NO ENVIRONMENTAL PERMITS ASSOCIATED WITH THIS PROJECT. AS SUCH, AN ENVIRONMENTAL COMPLIANCE SHEET WAS NOT PREPARED.
- THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL EXISTING CONDITIONS, LAYOUT DIMENSIONS, AND CLEARANCES THAT ARE SHOWN ON THE DRAWINGS PRIOR TO ANY CONSTRUCTION WORK. THE COST OF THIS ITEM SHALL BE INCIDENTAL TO ITEM 763501-CONSTRUCTION ENGINEERING.
- THE LOCATION OF ALL ABOVE GROUND ITEMS TO BE INSTALLED, SUCH AS LIGHTS, SIGNS, ETC. SHALL BE FIELD VERIFIED BY THE ENGINEER PRIOR TO INSTALLATION.
- ALL BRICK AND CONCRETE SAWCUTTING SHALL BE DONE WITH A WET SAW CUT TO CONTROL DUST. COST ASSOCIATED WITH WITH THE FURNISHING AND APPLICATION OF WATER FOR DUST CONTROL SHALL BE INCIDENTAL TO ALL CONTRACT BID ITEMS.
- THE CONTRACTOR SHALL MARK THEIR NAME IN THE CONCRETE SIDEWALK, EITHER BY STAMPING OR BY INLAYING AN APPROVED METAL PLATE. THE STAMPED LETTERS SHALL BE ONE INCH TALL AND ONE QUARTER INCH DEPTH. IF A METAL PLATE IS USED, THE TOP OF THE PLATE SHALL BE FLUSH WITH THE TOP OF THE SIDEWALK. THE CONTRACTOR'S NAME SHALL BE PLACED IN ACCORDANCE WITH THE WILMINGTON CODE OF ORDINANCES.

- THE CONTRACTOR SHALL MATCH EXISTING CURB HEIGHT AND SLOPE UNLESS OTHERWISE NOTED ON PLANS. THE CONTRACTOR SHALL PROVIDE A PRECONSTRUCTION AND POST CONSTRUCTION SURVEY OF LOCATIONS WHERE CURB HEIGHTS ARE UNCHANGED SHOWING PRE AND POST STATIONS AND ELEVATIONS OF THE CURB. PAYMENT IS INCIDENTAL TO ITEM 763501-CONSTRUCTION ENGINEERING.
- THE EXISTING PAVEMENT SECTION WITHIN THE PROJECT AREA VARIES. ALL MATERIAL REMOVED FROM ROADWAY SHALL BE PAID FOR UNDER ITEM 202000, EXCAVATION AND EMBANKMENT OR 758000, REMOVAL OF EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, CURB, SIDEWALK, ETC. ANY ADDITIONAL CAVITIES CAUSED BY THIS REMOVAL SHALL BE BACKFILLED AND PAID FOR UNDER ITEM 302007, GRADED AGGREGATE BASE COURSE, TYPE B.
- EXISTING PARKING METERS WITHIN THE PROJECT LIMITS WILL BE REMOVED BY THE CITY OF WILMINGTON PRIOR TO CONSTRUCTION AND REPLACED BY THE CITY AFTER CONSTRUCTION IS COMPLETE. THE CONTRACTOR SHALL NOTIFY AND CLOSELY COORDINATE WITH THE DEPARTMENT OF PUBLIC WORKS AT (302) 571-4233 AT LEAST TWO WEEKS PRIOR TO COMMENCING CONSTRUCTION.
- THE CONTRACTOR SHALL SALVAGE ANY GRANITE OR STONE CURB WITHIN THE PROJECT LIMITS AS DIRECTED BY THE ENGINEER. SALVAGED STONE OR GRANITE CURB SHALL BE DELIVERED TO THE CITY OF WILMINGTON'S DEPARTMENT OF PUBLIC WORKS CITY YARD ON 1200 NORTHEAST BOULEVARD. ANY WORK ASSOCIATED WITH THE SALVAGING OF STONE OR GRANITE CURB SHALL BE INCIDENTAL TO ITEM 211000 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS.
- EXISTING PLANTER AT STA. 202+02 TO STA. 203+06 TO BE REMOVED. REMOVAL OF WALL TO BE INCLUDED IN ITEM 211000 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS, AND THE MATERIAL BEHIND THE WALL IN ITEM 202000 - EXCAVATION AND EMBANKMENT.
- EXISTING COMMERCIAL STOREFRONT SIGNS LOCATED ON SOUTH SIDE 9TH STREET ARE TO REMAIN. THE CONTRACTOR SHALL MAKE A 3' BY 3' SAWCUT AROUND THE BASE AND PROTECT THE SIGN WITH SAFETY FENCE. REPAIR AND/OR REPLACEMENT OF THE SIGN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR SHOULD BE AWARE THAT THE PROJECT AREA TAKES PLACE IN THE 9TH STREET COMMERCIAL NATIONAL REGISTER HISTORIC DISTRICT. ALL CARE SHOULD BE UNDERTAKEN TO MINIMIZE IMPACT AND TO AVOID ANY PROPOSED CHANGES. PROPOSED CHANGES WILL ALSO REFLECT COORDINATION AND CONCURRENCE FROM VARIOUS HISTORIC PRESERVATION INTERESTS AS DETERMINED BY AND APPROVED BY DELDOT STAFF.
- THE CONTRACTOR SHALL NOTIFY THE RODNEY SQUARE POST OFFICE (302-656-0228) 14 DAYS PRIOR TO THE START OF CONSTRUCTION TO COORDINATE THE RELOCATION OF THE EXISTING MAILBOX AT STATION 203+10 OFFSET LEFT.
- THE CONTRACTOR SHALL BACKFILL VOIDS CREATED WITHIN THE PROPOSED ROADWAY BY THE REMOVAL OF TREE PITS OR OTHER MISCELLANEOUS EXCAVATION WITH MATERIAL MEETING BORROW, TYPE A (ITEM 209001).
- THE CONTRACTOR SHALL MAKE ALL EFFORTS TO MAINTAIN ACCESS TO ALL COMMERCIAL PROPERTIES WITHIN THE PROJECT LIMITS AT ALL TIMES. IF AT ANY TIME ACCESS TO A BUSINESS IS TO BE IMPACTED, THE CONTRACTOR SHALL COORDINATE THE IMPACT WITH THE PROPERTY OWNER AT LEAST 7 DAYS PRIOR TO THE WORK. THE CONTRACTOR SHALL MAKE ALL EFFORTS TO ENSURE THE LEAST DETRIMENTAL IMPACT TO THE BUSINESS. ITEM 727014 - CONSTRUCTION SAFETY FENCE IS TO BE USED TO SAFELY GUIDE PEDESTRIANS THROUGH THE WORK AREA AS DIRECTED BY THE ENGINEER.

### EARTHWORK SUMMARY

EXCAVATION - ITEM 202000 (CY) [NEED = '-' / EXCESS = '+']	
EXCAVATION FROM PLANTER AREA (+)	94
BITUMINOUS PAVEMENT REMOVED ADJACENT TO EXISTING CONC. CROSSWALK (+)	3
BITUMINOUS PAVEMENT REMOVED ADJACENT TO EXISTING CURBLINES (+)	14
EXCAVATION AT TREE PITS IN ROADWAY (EXCLUDING 2' OF ROOTMAT) (+)	6
TOTAL EXCAVATION	117

EXCAVATION AVAILABLE FOR EMBANKMENT (CY) [NEED = '-' / EXCESS = '+']	
TOTAL EXCAVATION (+) [ITEM 202000]	117
UNSUITABLE MATERIALS (-)	117
TOTAL EXCAVATION AVAILABLE FOR EMBANKMENT	0

EMBANKMENT AND BORROW, TYPE 'A' REQUIRED (CY) [NEED = '-' / EXCESS = '+']	
FROM CROSS SECTIONS / MODEL (+)	6
COMPACTION FACTOR APPLIED TO THE SUBTOTAL (20%) (+)	1
TOTAL EMBANKMENT AND BORROW, TYPE 'A' REQUIRED	7

EMBANKMENT AND BORROW, TYPE 'F' REQUIRED (CY) [NEED = '-' / EXCESS = '+']	
FROM CROSS SECTIONS / MODEL (+)	57
COMPACTION FACTOR APPLIED TO THE SUBTOTAL (20%) (+)	11
TOTAL EMBANKMENT AND BORROW, TYPE 'F' REQUIRED	68

MATERIAL BALANCE (CY) [NEED = '-' / EXCESS = '+']	
BORROW, TYPE 'A'	7
BORROW, TYPE 'F'	68
TOPSOIL	0
UNSUITABLE MATERIAL	117

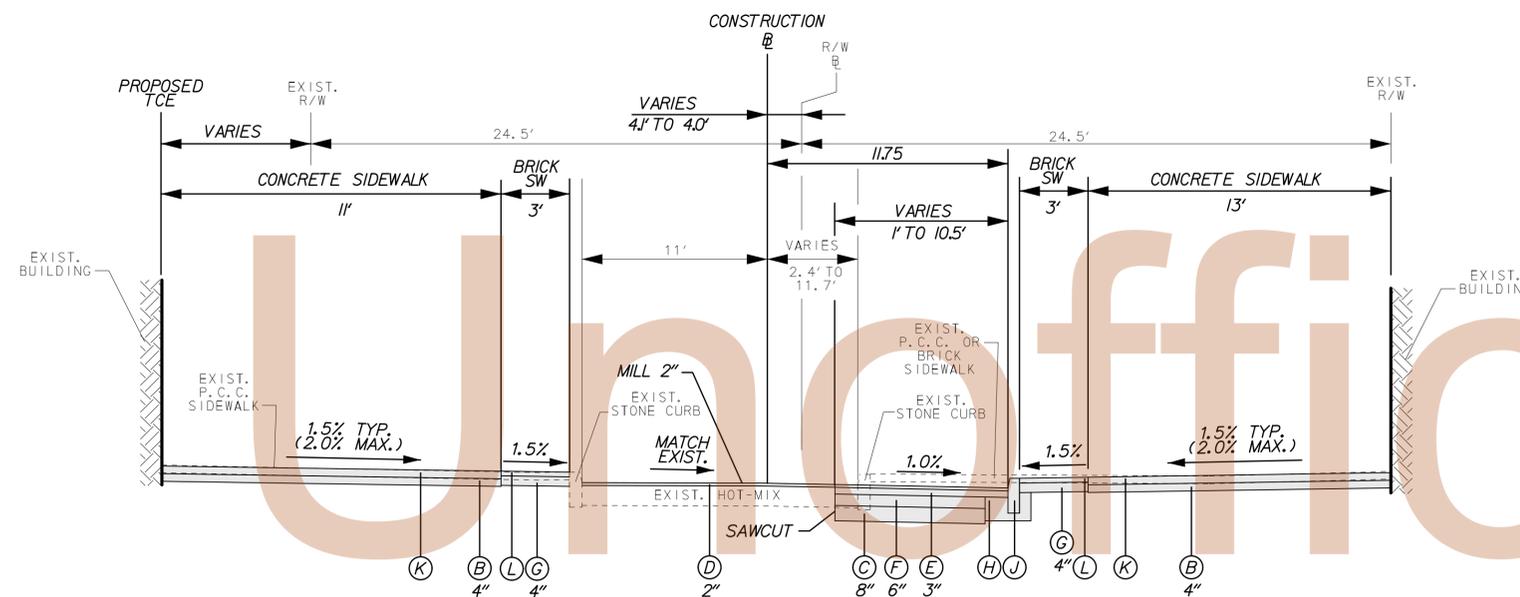
- NOTES:
- THE VALUES LISTED IN THE EARTHWORK SUMMARY ARE APPROXIMATE AND ARE NOT TO BE USED AS A BASIS OF PAYMENT. THE EARTHWORK SUMMARY IS CONSIDERED FOR INFORMATIONAL PURPOSES ONLY.
  - UNSUITABLE MATERIALS INCLUDE UNDERCUT SOILS, BITUMINOUS PAVEMENT, ETC.

**LEGEND**

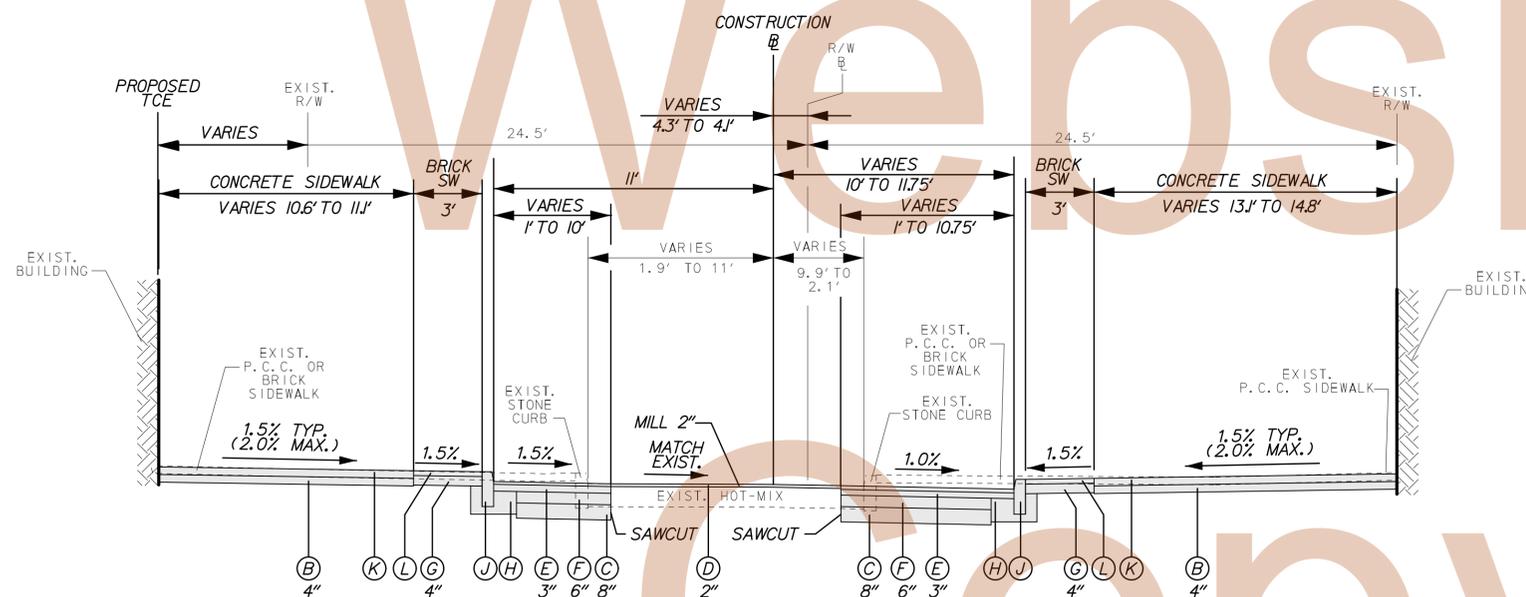
- (A) ITEM 209006 - BORROW, TYPE F
- (B) ITEM 302007 - GRADED AGGREGATE BASE COURSE, TYPE B
- (C) ITEM 302008 - GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING
- (D) ITEM 401801 - WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 64-22 (CARBONATE STONE)
- (E) ITEM 401822 - WMA, SUPERPAVE, TYPE B, 160 GYRATIONS, PG 64-22, PATCHING
- (F) ITEM 401823 - WMA, SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22, PATCHING
- (G) PORTLAND CEMENT CONCRETE MASONRY, CLASS B (SEE NOTE 2)
- (H) PORTLAND CEMENT CONCRETE MASONRY, CLASS C (SEE NOTE 3)
- (J) ITEM 701502 - STONE CURB
- (K) ITEM 705001 - P.C.C. SIDEWALK, 4"
- (L) ITEM 705504 - BRICK AND/OR BLOCK SIDEWALK
- (M) SAND (SEE NOTE 2)

**NOTES:**

1. THE MAXIMUM LIFTS FOR THE INDIVIDUAL PAVING MATERIALS ARE AS FOLLOWS:  
 SUPERPAVE, TYPE C HOT-MIX - 2"  
 SUPERPAVE, TYPE B HOT-MIX - 3"  
 SUPERPAVE BIT. CONC. BASE COURSE - 6"  
 GRADED AGGREGATE BASE COURSE - 8"
2. THE FOLLOWING ITEMS ARE INCIDENTAL TO ITEM 705504 - BRICK AND/OR BLOCK SIDEWALK:  
 - PORTLAND CEMENT CONCRETE MASONRY, CLASS B  
 - SAND  
 FOR MORE INFORMATION, SEE CONSTRUCTION DETAILS.
3. THE FOLLOWING ITEM IS INCIDENTAL TO ITEM 701502 - STONE CURB:  
 - PORTLAND CEMENT CONCRETE MASONRY, CLASS C  
 FOR MORE INFORMATION, SEE CONSTRUCTION DETAILS.
4. LIMIT OF CONSTRUCTION CONTINUES ALONG FACE OF BUILDING
5. CLEAR ZONE AND HORIZONTAL CLEARANCE (2' FROM FACE OF CURB) LINES HAVE BEEN OMITTED FOR CLARITY.
6. SEE DT-01 FOR EXPANSION JOINT DETAIL TO BE USED BETWEEN PROPOSED SIDEWALK AND FACE OF EXISTING BUILDING.



**9TH STREET TYPICAL SECTION  
STA. 201+92.10 TO STA. 202+04.22**



**9TH STREET TYPICAL SECTION  
STA. 201+30.50 TO STA. 201+92.10**

ADDENDUMS / REVISIONS

NOT TO SCALE

**CITY OF WILMINGTON  
9TH STREET  
STREETSCAPE IMPROVEMENTS**

CONTRACT T200920001	BRIDGE NO. N/A	DESIGNED BY: WJD
COUNTY NEW CASTLE	CHECKED BY: MAA	

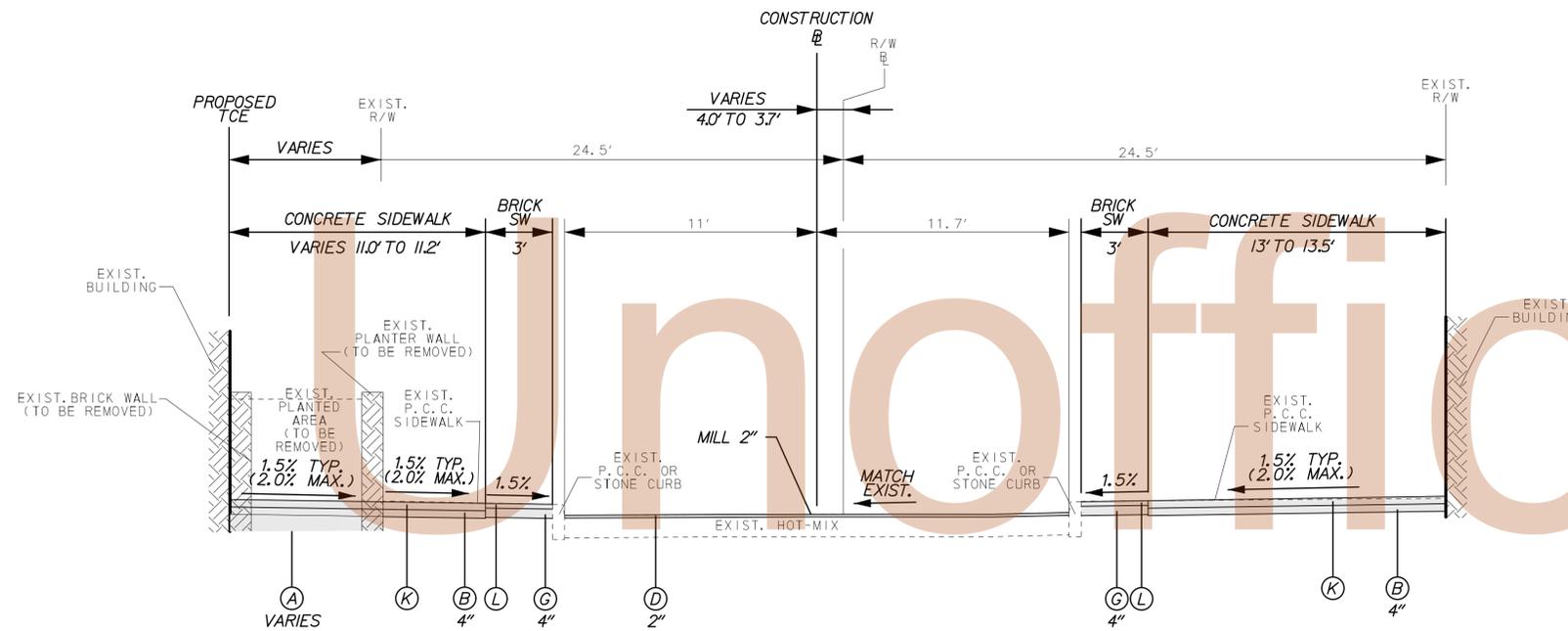
TYPICAL SECTIONS

TS-01

SHEET NO. 5
TOTAL SHTS. 28

**LEGEND**

- (A) ITEM 209006 - BORROW, TYPE F
- (B) ITEM 302007 - GRADED AGGREGATE BASE COURSE, TYPE B
- (C) ITEM 302008 - GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING
- (D) ITEM 401801 - WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 64-22 (CARBONATE STONE)
- (E) ITEM 401822 - WMA, SUPERPAVE, TYPE B, 160 GYRATIONS, PG 64-22, PATCHING
- (F) ITEM 401823 - WMA, SUPERPAVE, BITUMINOUS CONCRETE BASE COURSE, 160 GYRATIONS, PG 64-22, PATCHING
- (G) PORTLAND CEMENT CONCRETE MASONRY, CLASS B (SEE NOTE 2)
- (H) PORTLAND CEMENT CONCRETE MASONRY, CLASS C (SEE NOTE 3)
- (J) ITEM 701502 - STONE CURB
- (K) ITEM 705001 - P.C.C. SIDEWALK, 4"
- (L) ITEM 705504 - BRICK AND/OR BLOCK SIDEWALK
- (M) SAND (SEE NOTE 2)



**9TH STREET TYPICAL SECTION  
STA. 202+04.22 TO STA. 203+00.00**

**NOTES:**

1. THE MAXIMUM LIFTS FOR THE INDIVIDUAL PAVING MATERIALS ARE AS FOLLOWS:  
 SUPERPAVE, TYPE C HOT-MIX - 2"  
 SUPERPAVE, TYPE B HOT-MIX - 3"  
 SUPERPAVE BIT. CONC. BASE COURSE - 6"  
 GRADED AGGREGATE BASE COURSE - 8"
2. THE FOLLOWING ITEMS ARE INCIDENTAL TO ITEM 705504 - BRICK AND/OR BLOCK SIDEWALK:  
 - PORTLAND CEMENT CONCRETE MASONRY, CLASS B  
 - SAND  
 FOR MORE INFORMATION, SEE CONSTRUCTION DETAILS.
3. THE FOLLOWING ITEM IS INCIDENTAL TO ITEM 701502 - STONE CURB:  
 - PORTLAND CEMENT CONCRETE MASONRY, CLASS C  
 FOR MORE INFORMATION, SEE CONSTRUCTION DETAILS.
4. LIMIT OF CONSTRUCTION CONTINUES ALONG FACE OF BUILDING
5. CLEAR ZONE AND HORIZONTAL CLEARANCE (2' FROM FACE OF CURB) LINES HAVE BEEN OMITTED FOR CLARITY.

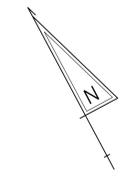
Website  
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# Unofficial

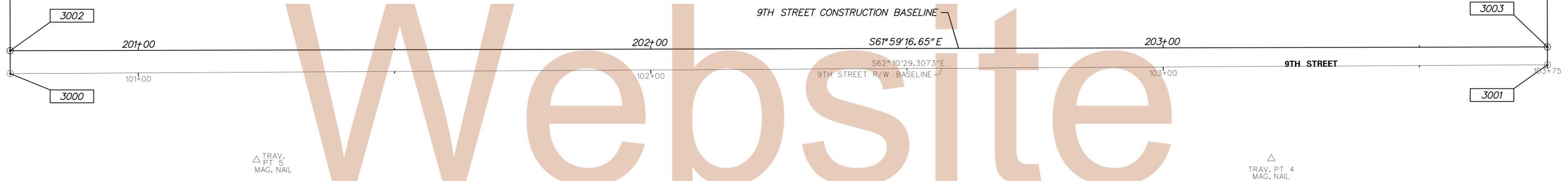
# Website

# Copy



POB 200+75.0000 9TH STREET CONSTRUCTION BASELINE =  
POB 100+75.0000 9TH STREET R/W BASELINE OFFSET 4.4584 RT. =

POE 203+74.9991 9TH STREET CONSTRUCTION BASELINE =  
POE 103+75.0000 9TH STREET R/W BASELINE OFFSET 3.4810 RT. =



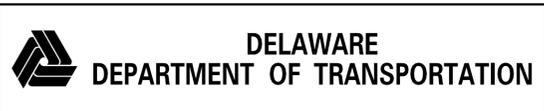
CONSTRUCTION ALIGNMENT CONTROL				
POINT	STATION	OFFSET	NORTHING	EASTING
3000	100+75.0000	0.0000	635922.0257	618251.1644
3001	103+75.0000	0.0000	635781.9928	618516.4778
3002	200+75.0000	0.0000	635925.9627	618253.2588
3003	203+74.9991	0.0000	635785.0660	618518.1127

HORIZONTAL / VERTICAL CONTROL DATA					
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
3	*	20.5052	635641.0035	618740.1945	91.38
4	203+21.0671	21.5663	635791.3557	618460.3701	98.95
5	201+23.0258	21.3544	635884.5543	618285.6291	99.64

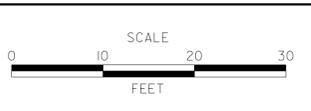
\*NOTE: TRAVERSE POINT LOCATED BEYOND PROJECT LIMITS.

- NEGATIVE OFFSET DENOTES LEFT OF BASELINE
- HORIZONTAL DATUM BASED ON NATIONAL GEODETIC SURVEY (N. A. D. 83)
- VERTICAL DATUM BASED ON NATIONAL GEODETIC SURVEY (N. A. V. D. 88)

P:\TE AGR 1471\TO 20 9TH STREET DESIGN\REF\SB\_9TH.DGN



ADDENDUMS / REVISIONS	



**CITY OF WILMINGTON**  
**9TH STREET**  
**STREETSCAPE IMPROVEMENTS**

CONTRACT T200920001	BRIDGE NO. N/A
COUNTY NEW CASTLE	DESIGNED BY: WJD
	CHECKED BY: MAA

**HORIZONTAL AND VERTICAL CONTROL**

HV-01
SHEET NO. 7
TOTAL SHTS. 28

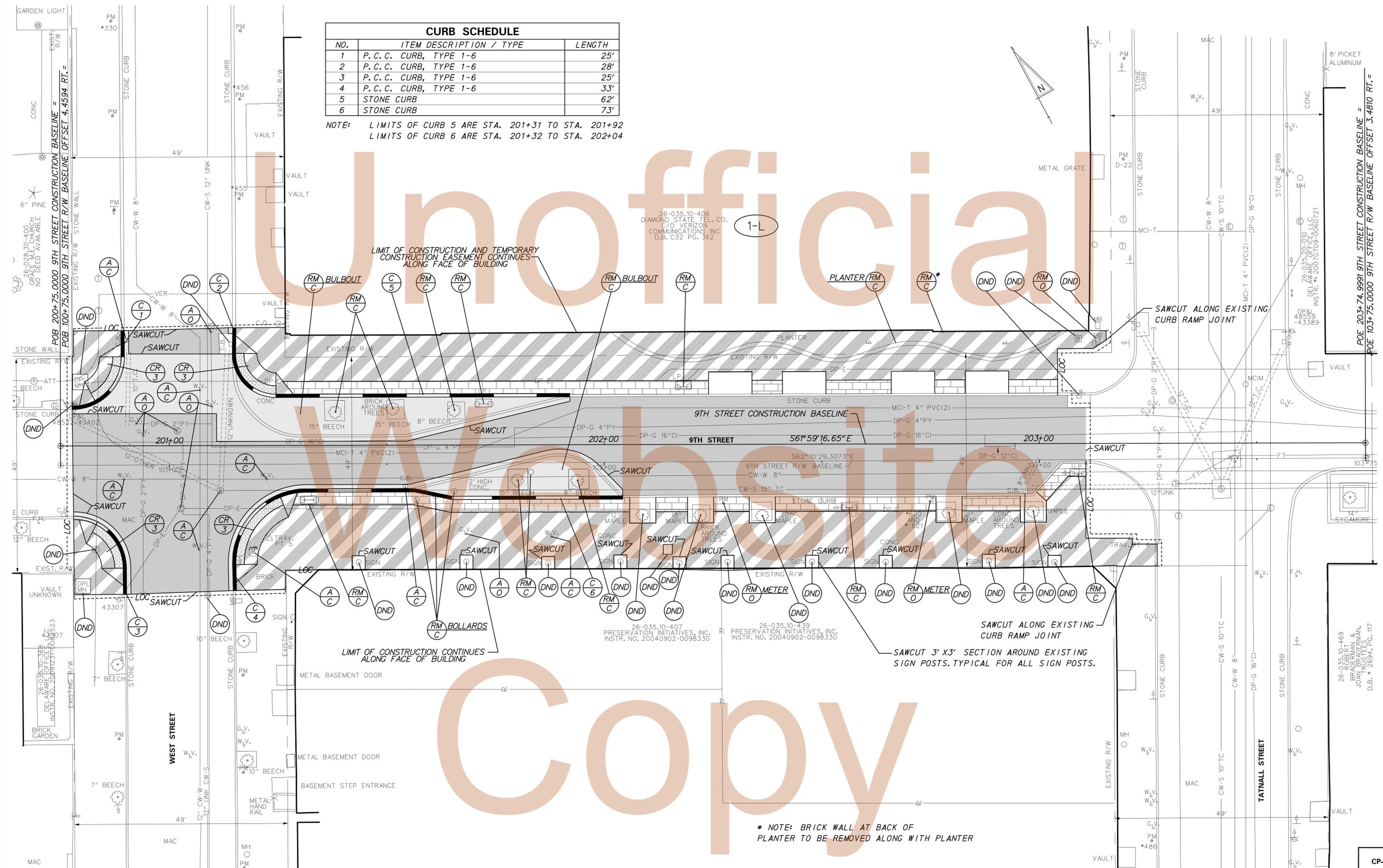
CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
1	P. C. C. CURB, TYPE 1-6	25'
2	P. C. C. CURB, TYPE 1-6	28'
3	P. C. C. CURB, TYPE 1-6	25'
4	P. C. C. CURB, TYPE 1-6	33'
5	STONE CURB	62'
6	STONE CURB	73'

NOTE: LIMITS OF CURB 5 ARE STA. 201+31 TO STA. 201+92  
LIMITS OF CURB 6 ARE STA. 201+32 TO STA. 202+04

LIMIT OF CONSTRUCTION AND TEMPORARY CONSTRUCTION EASEMENT CONTINUES ALONG FACE OF BUILDING

LIMIT OF CONSTRUCTION CONTINUES ALONG FACE OF BUILDING

\* NOTE: BRICK WALL AT BACK OF PLANTER TO BE REMOVED ALONG WITH PLANTER



26-035.10-406  
DIAMOND STATE TEL. CO.  
C/O VERIZON  
COMMUNICATIONS INC  
D.B. C32 PG. 362

26-035.10-407  
PRESERVATION INITIATIVES, INC.  
INSTR. NO. 20040902-0098330

26-035.10-439  
PRESERVATION INITIATIVES, INC.  
INSTR. NO. 20040902-0098330

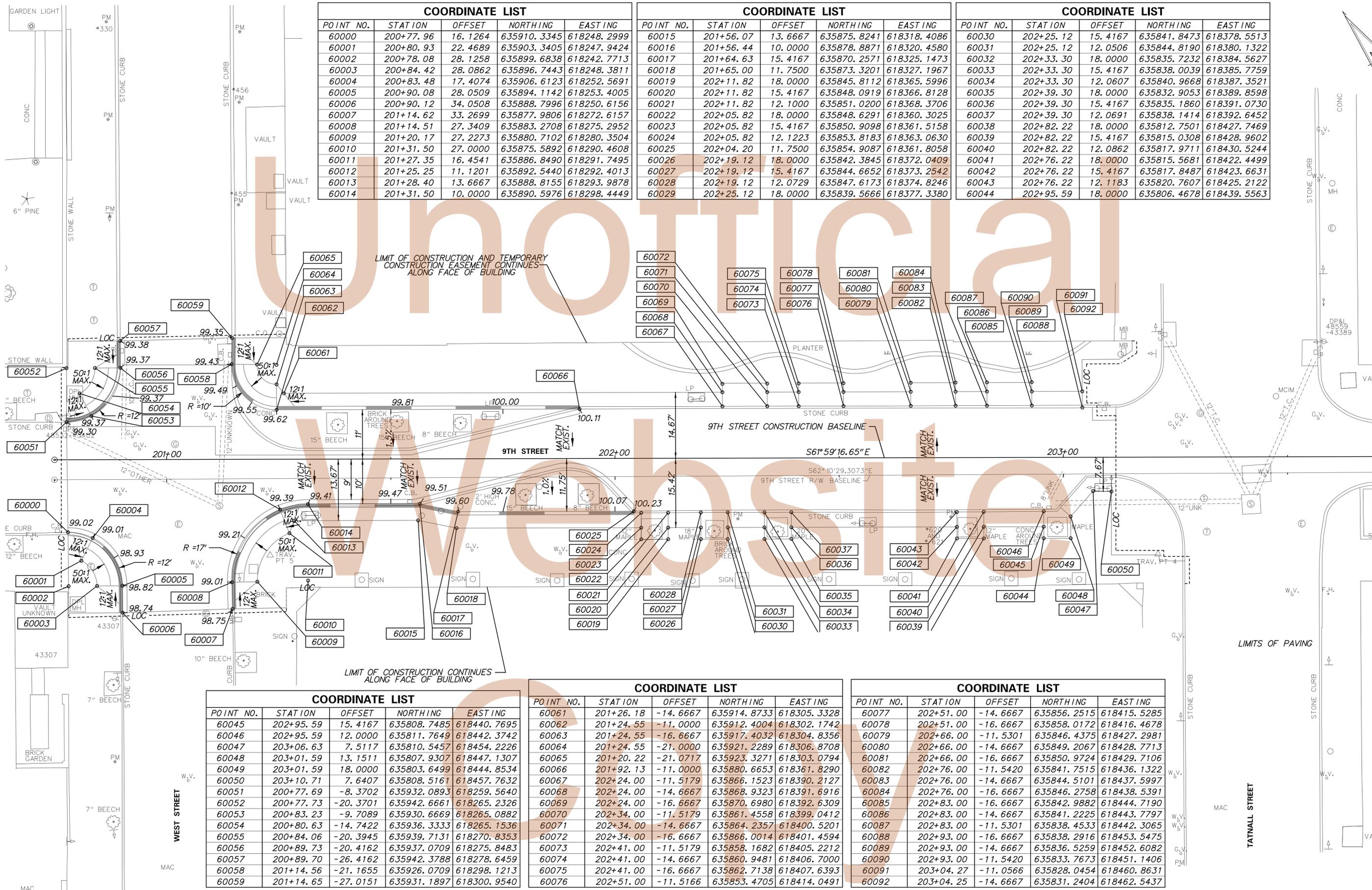
26-035.10-469  
ROBERT L. BRADY &  
JOAN BRADY  
TRUSTEES  
D.B. # 2694, PG. 117

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COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
60000	200+77.96	16.1264	635910.3345	618248.2999
60001	200+80.93	22.4689	635903.3405	618247.9424
60002	200+78.08	28.1258	635899.6838	618242.7713
60003	200+84.42	28.0862	635896.7443	618248.3811
60004	200+83.48	17.4074	635906.6123	618252.5691
60005	200+90.08	28.0509	635894.1142	618253.4005
60006	200+90.12	34.0508	635888.7996	618250.6156
60007	201+14.62	33.2699	635877.9806	618272.6157
60008	201+14.51	27.3409	635883.2708	618275.2952
60009	201+20.17	27.2273	635880.7102	618280.3504
60010	201+31.50	27.0000	635875.5892	618290.4608
60011	201+27.35	16.4541	635886.8490	618291.7495
60012	201+25.25	11.1201	635892.5440	618292.4013
60013	201+28.40	13.6667	635888.8155	618293.9878
60014	201+31.50	10.0000	635890.5976	618298.4449

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
60015	201+56.07	13.6667	635875.8241	618318.4086
60016	201+56.44	10.0000	635878.8871	618320.4580
60017	201+64.63	15.4167	635870.2571	618325.1473
60018	201+65.00	11.7500	635873.3201	618327.1967
60019	202+11.82	18.0000	635845.8112	618365.5996
60020	202+11.82	15.4167	635848.0919	618366.8128
60021	202+11.82	12.1000	635851.0200	618368.3706
60022	202+05.82	18.0000	635848.6291	618360.3025
60023	202+05.82	15.4167	635850.9098	618361.5158
60024	202+05.82	12.1223	635853.8183	618363.0630
60025	202+04.20	11.7500	635854.9087	618368.8058
60026	202+19.12	18.0000	635842.3845	618372.0409
60027	202+19.12	15.4167	635844.6652	618373.2542
60028	202+19.12	12.0729	635847.6173	618374.8246
60029	202+25.12	18.0000	635839.5666	618377.3380

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
60030	202+25.12	15.4167	635841.8473	618378.5513
60031	202+25.12	12.0506	635844.8190	618380.1322
60032	202+33.30	18.0000	635835.7232	618384.5627
60033	202+33.30	15.4167	635838.0039	618385.7759
60034	202+33.30	12.0607	635840.9668	618387.3521
60035	202+39.30	18.0000	635832.9053	618389.8598
60036	202+39.30	15.4167	635835.1860	618391.0730
60037	202+39.30	12.0691	635838.1414	618392.6452
60038	202+82.22	18.0000	635812.7501	618427.7469
60039	202+82.22	15.4167	635815.0308	618428.9602
60040	202+82.22	12.0862	635817.9711	618430.5244
60041	202+76.22	18.0000	635815.5681	618422.4499
60042	202+76.22	15.4167	635817.8487	618423.6631
60043	202+76.22	12.1183	635820.7607	618425.2122
60044	202+95.59	18.0000	635806.4678	618439.5563



COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
60045	202+95.59	15.4167	635808.7485	618440.7695
60046	202+95.59	12.0000	635811.7649	618442.3742
60047	203+06.63	7.5117	635810.5457	618454.2226
60048	203+01.59	13.1511	635807.9307	618447.1307
60049	203+01.59	18.0000	635803.6499	618444.8534
60050	203+10.71	7.6407	635808.5161	618457.7632
60051	200+77.69	-8.3702	635932.0893	618259.5640
60052	200+77.73	-20.3701	635942.6661	618265.2326
60053	200+83.23	-9.7089	635930.6669	618265.0882
60054	200+80.63	-14.7422	635936.3333	618265.1536
60055	200+84.06	-20.3945	635939.7131	618270.8353
60056	200+89.73	-20.4162	635937.0709	618275.8483
60057	200+89.70	-26.4162	635942.3788	618278.6459
60058	201+14.56	-21.1655	635926.0709	618298.1213
60059	201+14.65	-27.0151	635931.1897	618300.9540

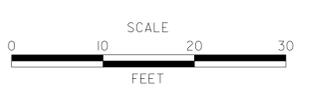
COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
60061	201+26.18	-14.6667	635914.8733	618305.3328
60062	201+24.55	-11.0000	635912.4004	618302.1742
60063	201+24.55	-16.6667	635917.4032	618304.8356
60064	201+24.55	-21.0000	635921.2289	618306.8708
60065	201+20.22	-21.0717	635923.3271	618303.0794
60066	201+92.13	-11.0000	635880.6653	618361.8290
60067	202+24.00	-11.5179	635866.1523	618390.2127
60068	202+24.00	-14.6667	635868.9323	618391.6916
60069	202+24.00	-16.6667	635870.6980	618392.6309
60070	202+34.00	-11.5179	635861.4558	618399.0412
60071	202+34.00	-14.6667	635864.2357	618400.5201
60072	202+34.00	-16.6667	635866.0014	618401.4594
60073	202+41.00	-11.5179	635858.1682	618405.2212
60074	202+41.00	-14.6667	635860.9481	618406.7000
60075	202+41.00	-16.6667	635862.7138	618407.6393
60076	202+51.00	-11.5166	635853.4705	618414.0491

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
60077	202+51.00	-14.6667	635856.2515	618415.5285
60078	202+51.00	-16.6667	635858.0172	618416.4678
60079	202+66.00	-11.5301	635846.4375	618427.2981
60080	202+66.00	-14.6667	635849.2067	618428.7713
60081	202+66.00	-16.6667	635850.9724	618429.7106
60082	202+76.00	-11.5420	635841.7515	618436.1322
60083	202+76.00	-14.6667	635844.5101	618437.5997
60084	202+76.00	-16.6667	635846.2758	618438.5391
60085	202+83.00	-16.6667	635842.9882	618444.7190
60086	202+83.00	-14.6667	635841.2225	618443.7797
60087	202+83.00	-11.5301	635838.4533	618442.3065
60088	202+93.00	-16.6667	635838.2916	618453.5475
60089	202+93.00	-14.6667	635836.5259	618452.6082
60090	202+93.00	-11.5420	635833.7673	618451.1406
60091	203+04.27	-11.0566	635828.0454	618460.8631
60092	203+04.25	-14.6667	635831.2404	618462.5437

DATE: APR 14 2010 9:09 AM DESIGN: P:\REF\SB\_9TH.DGN



ADDENDUMS / REVISIONS	

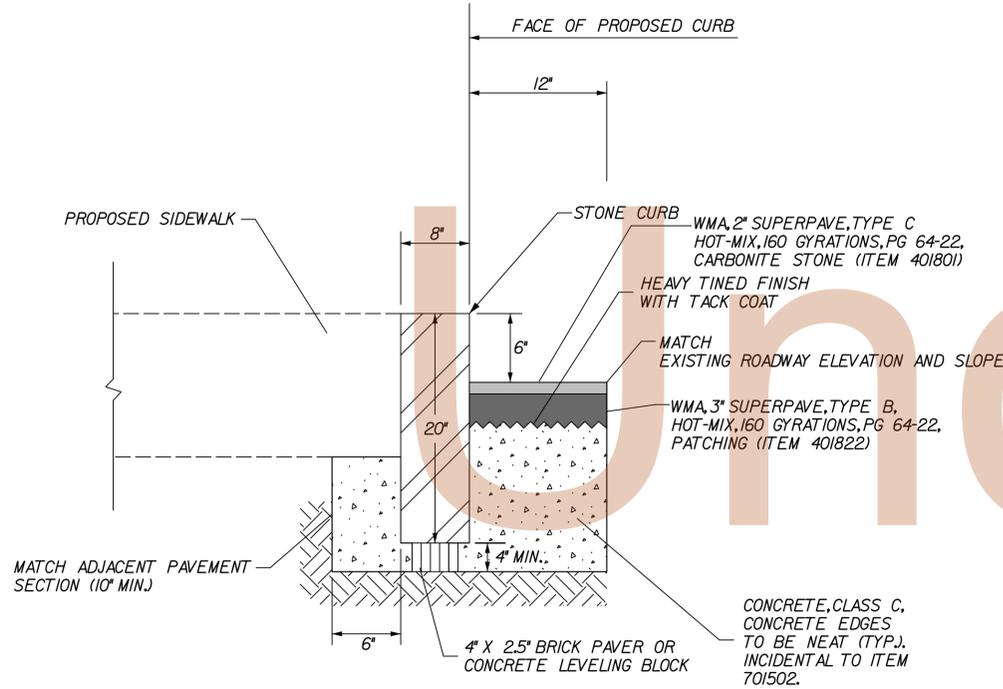


**CITY OF WILMINGTON**  
**9TH STREET**  
**STREETSCAPE IMPROVEMENTS**

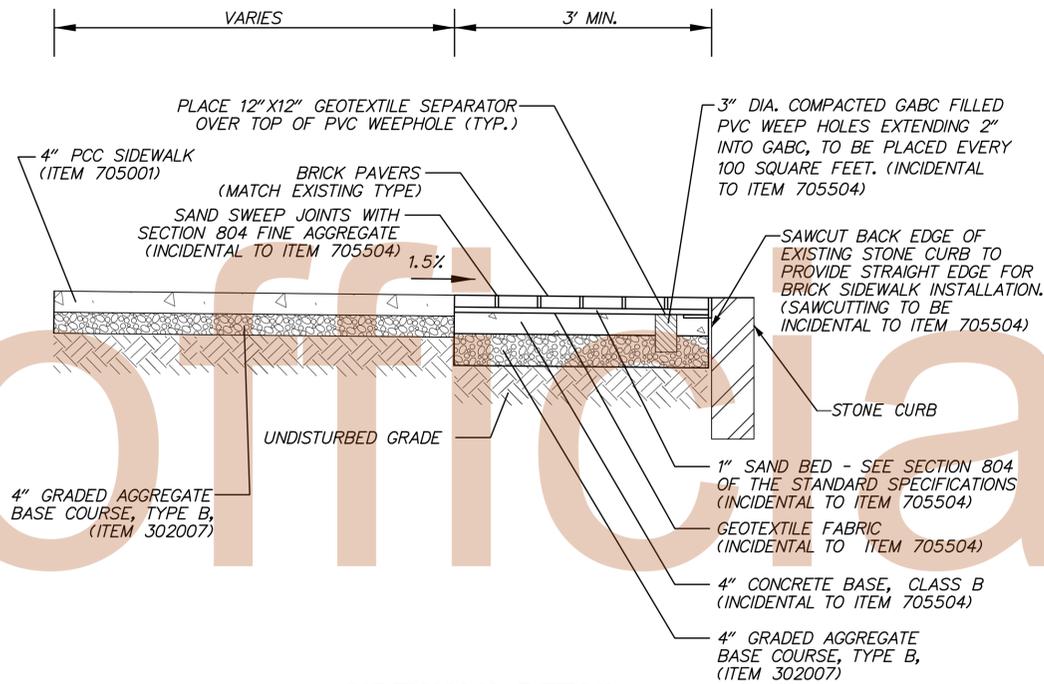
CONTRACT T200920001	BRIDGE NO. 	<b>N/A</b>
COUNTY NEW CASTLE	DESIGNED BY: WJD	
	CHECKED BY: MAA	

**GRADES AND GEOMETRICS**

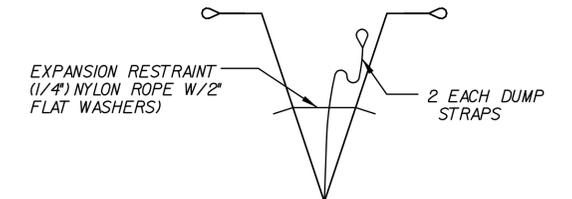
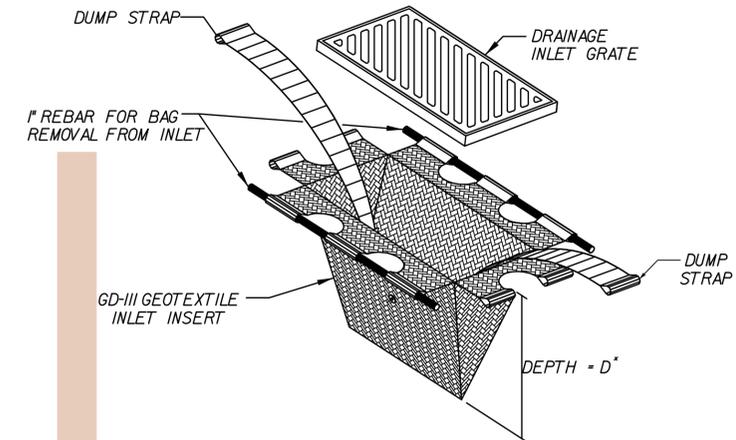
<b>GG-01</b>
SHEET NO. 9
TOTAL SHTS. 28



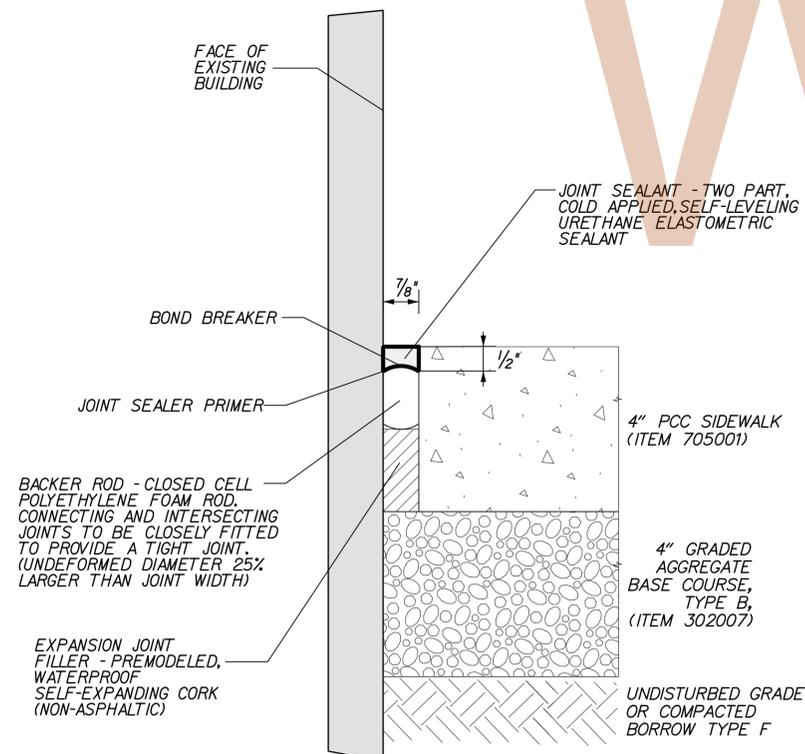
**STONE CURB - ITEM 701502**  
NOT TO SCALE



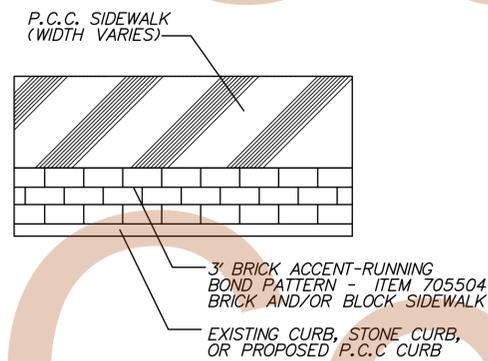
**SIDEWALK DETAIL**  
NOT TO SCALE



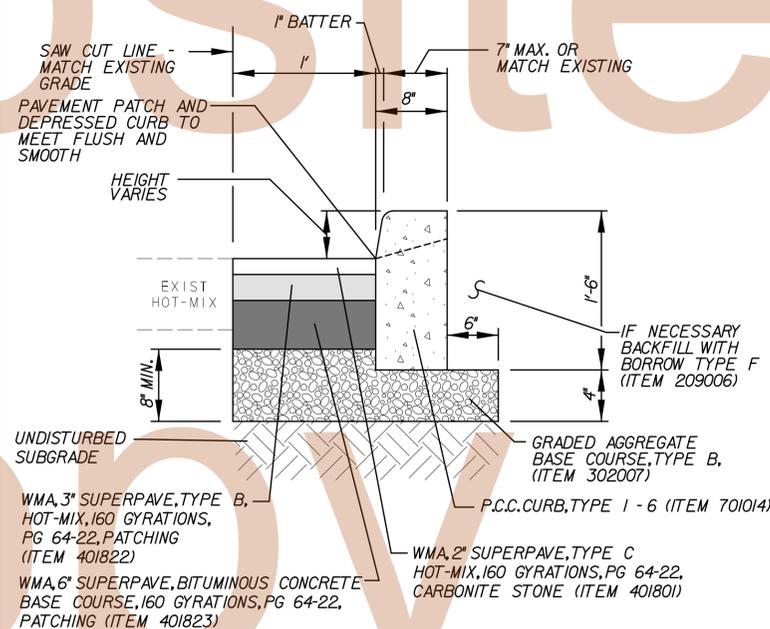
**BAG DETAIL (SIDE VIEW)**  
NOT TO SCALE



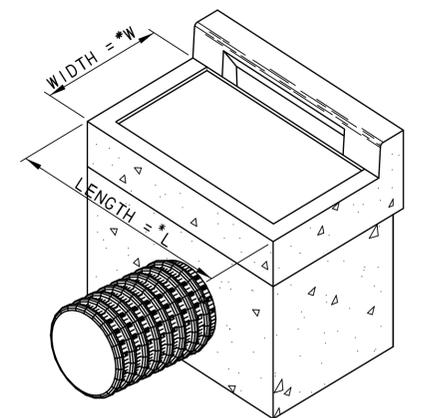
**EXPANSION JOINT DETAIL**  
INCIDENTAL TO ITEM 705001 - P.C.C. SIDEWALK, 4"  
NOT TO SCALE



**SIDEWALK BRICK ACCENT DETAIL**  
NOT TO SCALE



**PAVEMENT PATCH DETAIL**  
AT CURB RAMPS  
NOT TO SCALE

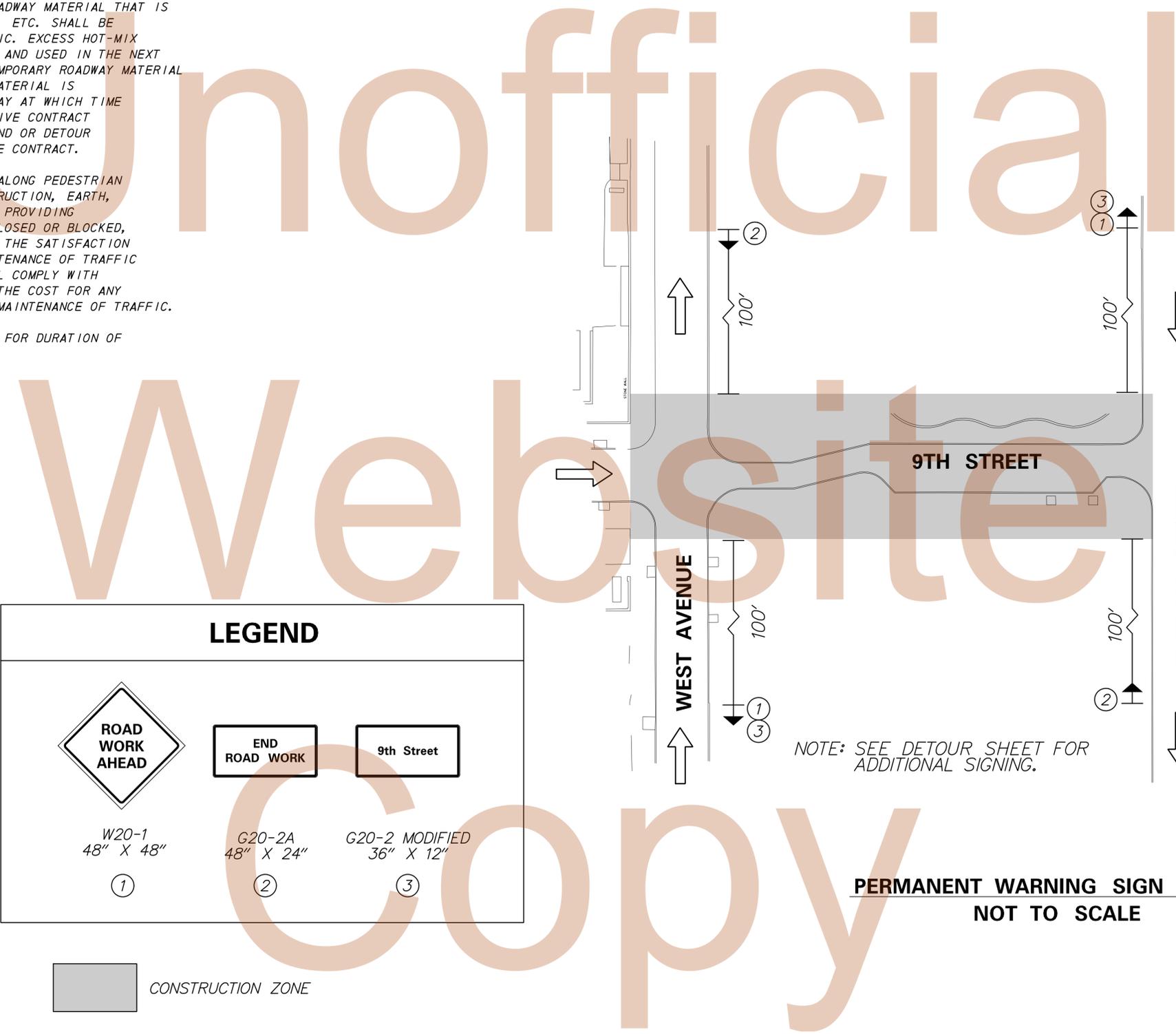
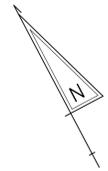


**INLET SEDIMENT CONTROL, AT GRADE INLET - ITEM 252002**  
NOT TO SCALE

P:\ATE\_AGR\_1471\TO 20 9TH STREET DESIGN\REF\SB\_9TH.DGN

**GENERAL MOT NOTES**

1. MAINTENANCE OF TRAFFIC DURING LANE SHIFTS ALONG TATNALL STREET AND WEST STREET SHALL CONFORM TO CASE TA-6 OF THE TRAFFIC CONTROL MANUAL. LANE SHIFTS CAN BE BETWEEN 9AM AND 3PM, MONDAY THROUGH FRIDAY, OR AS DIRECTED BY THE ENGINEER.
2. THESE PLANS AND SPECIFICATIONS ARE THE MINIMUM REQUIREMENTS FOR THE CONDITIONS SET FORTH. THE ENGINEER MAY REQUIRE ADDITIONAL TRAFFIC CONTROL DEVICES AND MAY ALTER THE SEQUENCE OF CONSTRUCTION OR MEANS OF TRAFFIC CONTROL AS DEEMED NECESSARY.
3. GRADING AND MAINTAINING HOT-MIX TEMPORARY ROADWAY MATERIAL THAT IS BEING USED AS A TRAVELWAY, DRIVEWAY ACCESS, RAMP, ETC. SHALL BE INCIDENTAL TO ITEM 763500 - MAINTENANCE OF TRAFFIC. EXCESS HOT-MIX TEMPORARY ROADWAY MATERIAL SHALL BE PUSHED AHEAD AND USED IN THE NEXT SEGMENT. NO SEPARATE PAYMENT SHALL BE MADE FOR TEMPORARY ROADWAY MATERIAL (TRM) USED TO PROTECT EDGE DROP-OFF 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. CONSTRUCTION OF A PLANNED RUNAROUND OR DETOUR WOULD BE ELIGIBLE FOR PAYMENT AS SPECIFIED IN THE CONTRACT.
4. THE CONTRACTOR SHALL MAINTAIN ACCESS TO AND ALONG PEDESTRIAN AND TRANSIT FACILITIES AT ALL TIMES DURING CONSTRUCTION, EARTH, STONE, AND GRAVEL SURFACE ARE NOT ACCEPTABLE FOR PROVIDING PEDESTRIAN ACCESS. WHERE PEDESTRIAN ROUTES ARE CLOSED OR BLOCKED, ALTERNATE PEDESTRIAN ACCESS SHALL BE PROVIDED TO THE SATISFACTION OF THE ENGINEER AND SHALL BE ADA COMPLIANT. MAINTENANCE OF TRAFFIC FOR PEDESTRIAN FACILITY CLOSURES AND DETOUR SHALL COMPLY WITH TA-28 AND/OR TA-29 FROM TRAFFIC CONTROL MANUAL. THE COST FOR ANY PROVISIONS SHALL BE INCIDENTAL TO ITEM 763500 - MAINTENANCE OF TRAFFIC.
5. 9TH STREET TO BE CLOSED TO VEHICULAR TRAFFIC FOR DURATION OF CONSTRUCTION ACTIVITIES.
6. SEE DETAIL FOR WARNING SIGN PLACEMENT.



EROSION & SEDIMENT CONTROL	
	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, TYPE 1
	SUMP PIT, TYPE 2
	SEDIMENT TRAP
	SEDIMENT TRAP WITH INLET AS OUTLET
	SEDIMENT TRAP PIPE OUTLET
	STILLING WELL
	TEMPORARY SWALE
	TEMPORARY SLOPE DRAIN
	TURBIDITY CURTAIN / LENGTH
	TURBIDITY CURTAIN

LEGEND		
W20-1 48" X 48"	G20-2A 48" X 24"	G20-2 MODIFIED 36" X 12"
①	②	③

CONSTRUCTION ZONE

**PERMANENT WARNING SIGN LAYOUT**  
NOT TO SCALE

P:\ATE\_AGR\_1471\10\_20\_9TH STREET DESIGN\REV\REF\SB\_9TH.DGN

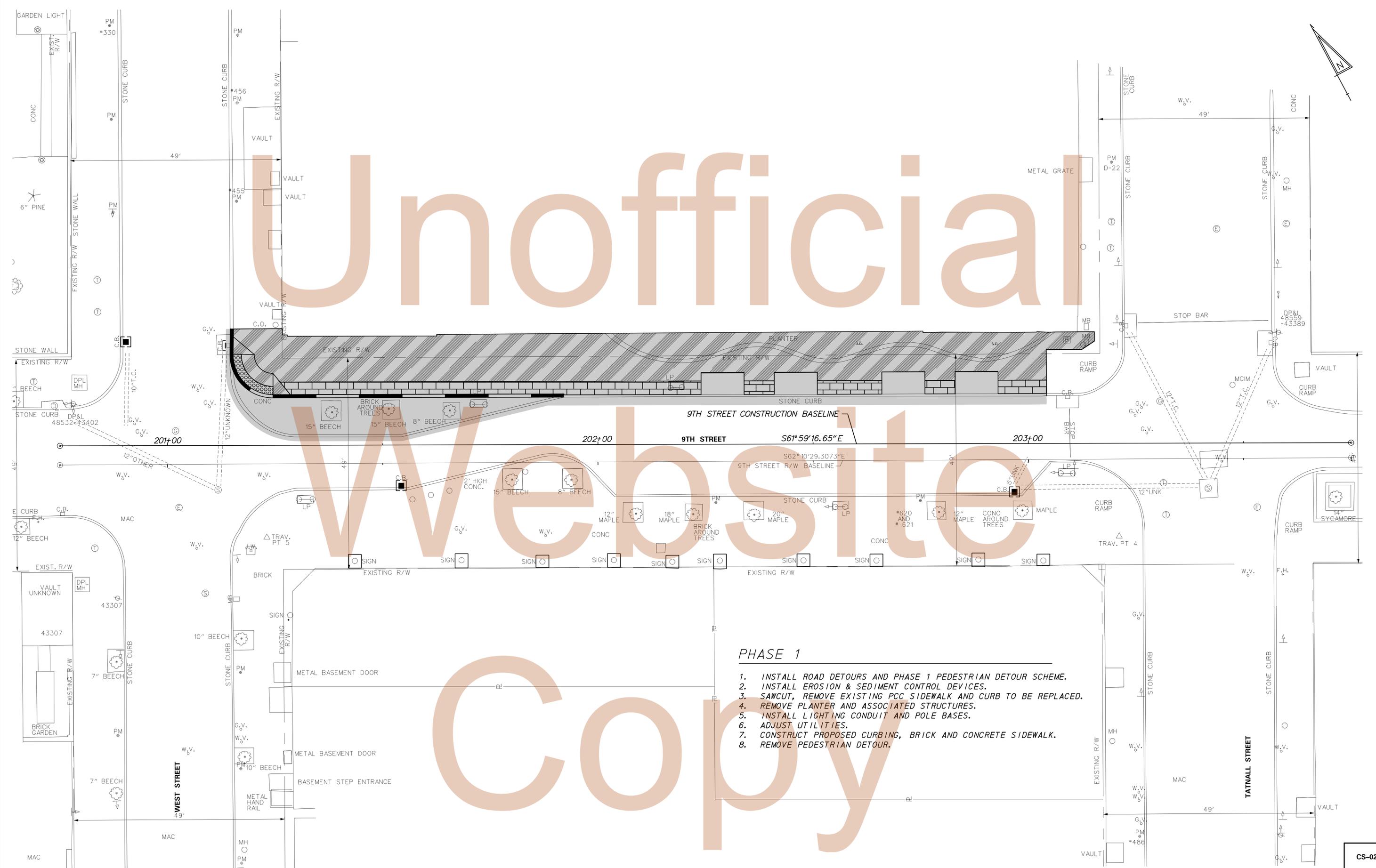
Unofficial

Website

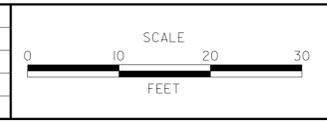
Copy

- PHASE 1**
1. INSTALL ROAD DETOURS AND PHASE 1 PEDESTRIAN DETOUR SCHEME.
  2. INSTALL EROSION & SEDIMENT CONTROL DEVICES.
  3. SAWCUT, REMOVE EXISTING PCC SIDEWALK AND CURB TO BE REPLACED.
  4. REMOVE PLANTER AND ASSOCIATED STRUCTURES.
  5. INSTALL LIGHTING CONDUIT AND POLE BASES.
  6. ADJUST UTILITIES.
  7. CONSTRUCT PROPOSED CURBING, BRICK AND CONCRETE SIDEWALK.
  8. REMOVE PEDESTRIAN DETOUR.

P:\ATE AGR 1471\10 20 9TH STREET DESIGN\REF\REF\_SB\_9TH.DGN



ADDENDUMS / REVISIONS



CONTRACT T200920001	BRIDGE NO. NA
COUNTY NEW CASTLE	DESIGNED BY: WJD
	CHECKED BY: MAA

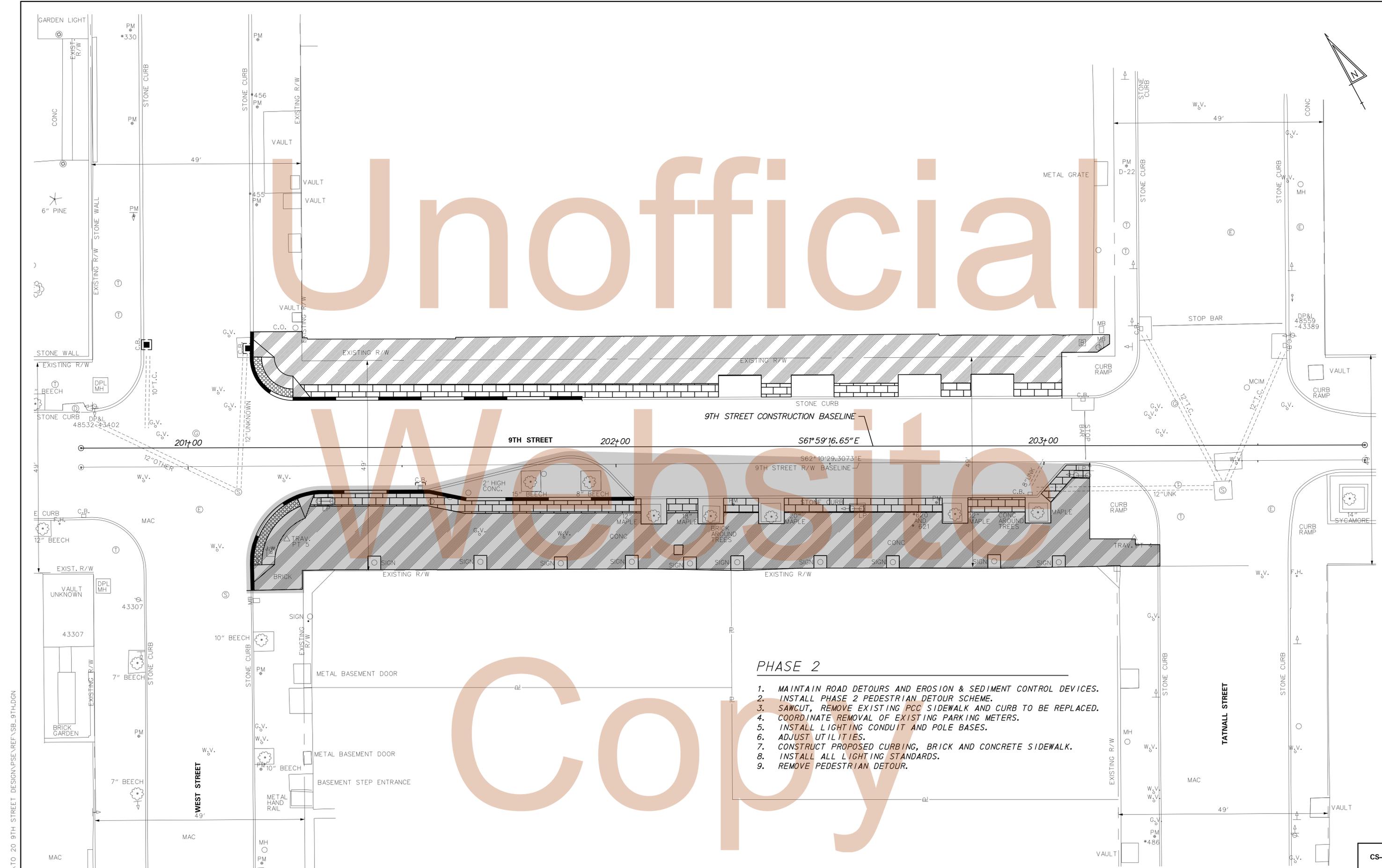
<b>CS-02</b>
SHEET NO. 12
TOTAL SHTS. 28

Unofficial

Web Site

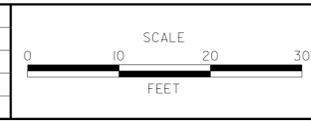
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- PHASE 2**
1. MAINTAIN ROAD DETOURS AND EROSION & SEDIMENT CONTROL DEVICES.
  2. INSTALL PHASE 2 PEDESTRIAN DETOUR SCHEME.
  3. SAWCUT, REMOVE EXISTING PCC SIDEWALK AND CURB TO BE REPLACED.
  4. COORDINATE REMOVAL OF EXISTING PARKING METERS.
  5. INSTALL LIGHTING CONDUIT AND POLE BASES.
  6. ADJUST UTILITIES.
  7. CONSTRUCT PROPOSED CURBING, BRICK AND CONCRETE SIDEWALK.
  8. INSTALL ALL LIGHTING STANDARDS.
  9. REMOVE PEDESTRIAN DETOUR.



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ADDENDUMS / REVISIONS



CONTRACT T200920001	BRIDGE NO. NA
COUNTY NEW CASTLE	DESIGNED BY: WJD
	CHECKED BY: MAA

CS-03
SHEET NO. 13
TOTAL SHTS. 28

Unofficial

Website

Copy



**PHASE 3A-PED DETOUR**

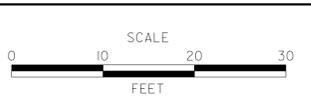
1. MAINTAIN ROAD DETOURS AND EROSION & SEDIMENT CONTROL DEVICES.
2. INSTALL PHASE 3A PEDESTRIAN DETOUR SCHEME.
3. SAWCUT, REMOVE EXISTING PCC SIDEWALK AND CURB TO BE REPLACED.
4. ADJUST UTILITIES.
5. CONSTRUCT PROPOSED CURBING AND CONCRETE SIDEWALK.
6. REMOVE PEDESTRIAN DETOUR.

**PHASE 3B-PED DETOUR**

1. MAINTAIN ROAD DETOURS AND EROSION & SEDIMENT CONTROL DEVICES.
2. INSTALL PHASE 3B PEDESTRIAN DETOUR SCHEME.
3. SAWCUT, REMOVE EXISTING PCC SIDEWALK AND CURB TO BE REPLACED.
4. ADJUST UTILITIES.
5. CONSTRUCT PROPOSED CURBING AND CONCRETE SIDEWALK.
6. REMOVE PEDESTRIAN DETOUR.

P:\ATE\_AGR\_1471\10\_20\_9TH STREET DESIGN\REF\SB\_9TH.DGN

ADDENDUMS / REVISIONS



CONTRACT T200920001	BRIDGE NO. NA
COUNTY NEW CASTLE	DESIGNED BY: WJD
	CHECKED BY: MAA

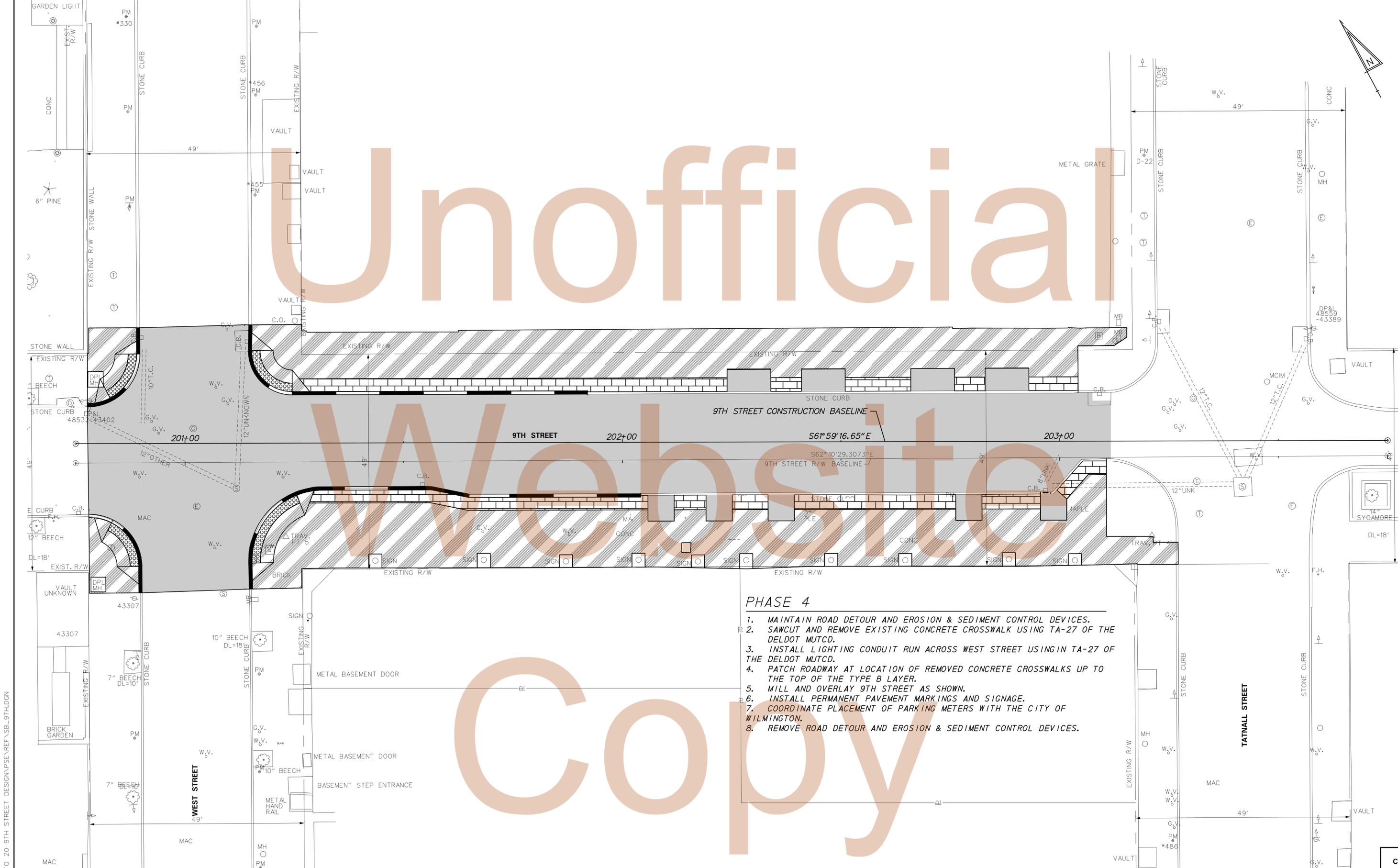
<b>CS-04</b>
SHEET NO. 14
TOTAL SHTS. 28

Unofficial

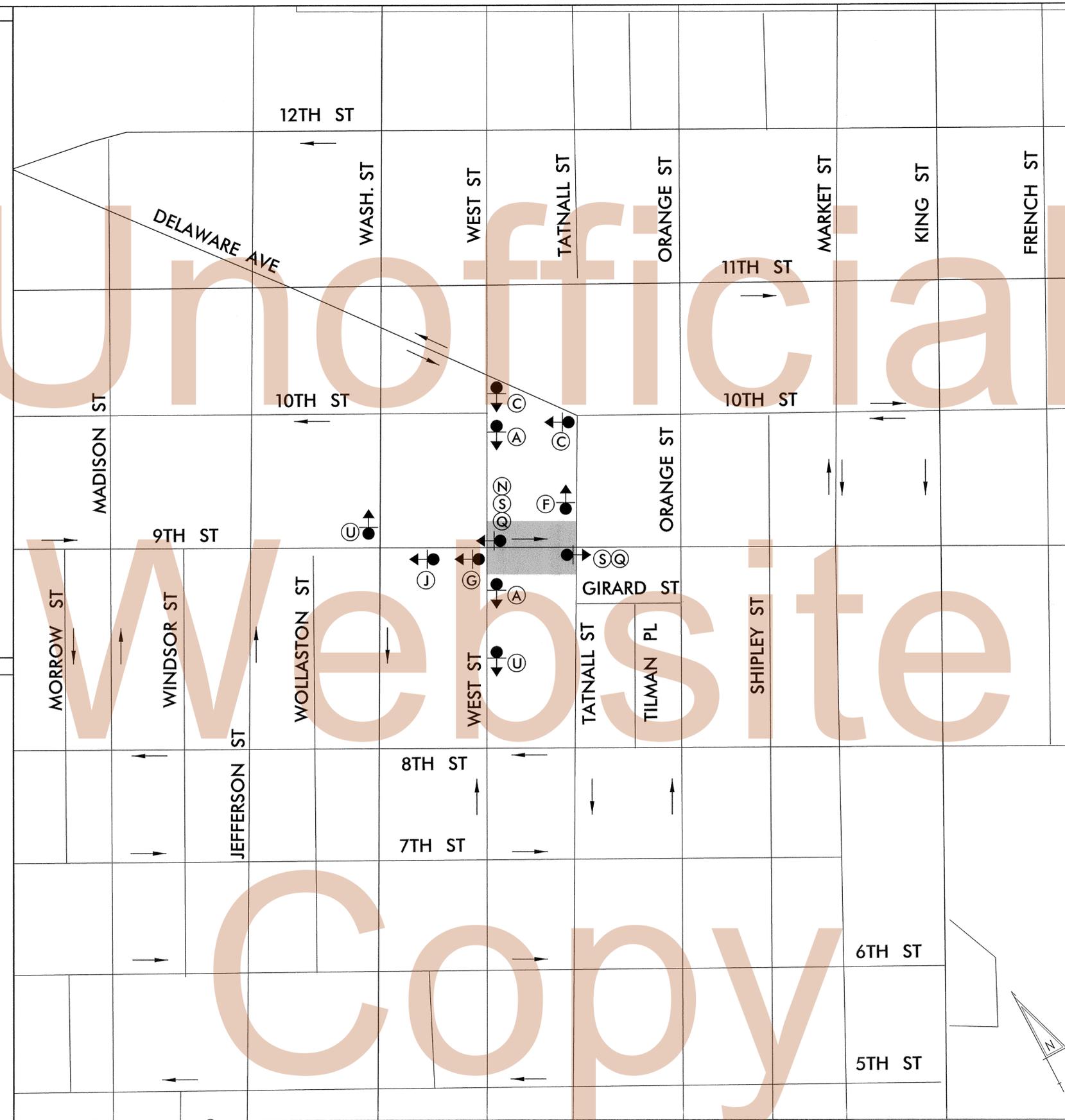
Website

Copy

- PHASE 4**
1. MAINTAIN ROAD DETOUR AND EROSION & SEDIMENT CONTROL DEVICES.
  2. SAWCUT AND REMOVE EXISTING CONCRETE CROSSWALK USING TA-27 OF THE DELDOT MUTCD.
  3. INSTALL LIGHTING CONDUIT RUN ACROSS WEST STREET USING IN TA-27 OF THE DELDOT MUTCD.
  4. PATCH ROADWAY AT LOCATION OF REMOVED CONCRETE CROSSWALKS UP TO THE TOP OF THE TYPE B LAYER.
  5. MILL AND OVERLAY 9TH STREET AS SHOWN.
  6. INSTALL PERMANENT PAVEMENT MARKINGS AND SIGNAGE.
  7. COORDINATE PLACEMENT OF PARKING METERS WITH THE CITY OF WILMINGTON.
  8. REMOVE ROAD DETOUR AND EROSION & SEDIMENT CONTROL DEVICES.

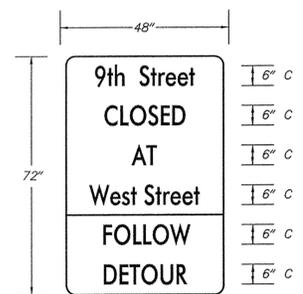


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(A)	(B)	(C)
(D)	(E)	(F)
(G)	(H)	(I)
(J)	(K)	(L)
(M)	(N)	(O)
(P)	(Q)	(R)
(S)	(T)	

SPECIAL SIGNS



U

D/G FLUORESCENT ORANGE; BLACK LEGEND

GENERAL NOTES

- ALL DETOUR SIGNING INCLUDING, TRAILBLAZERS, ARE TO BE SUPPLIED AND MAINTAINED BY THE GENERAL CONTRACTOR IN COMPLIANCE TO THE DE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- THE CONTRACTOR SHALL COMPLY WITH GUIDELINES IN 'THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (DE - MUTCD PART 6)' FOR LIGHTS, BARRICADES AND SIGNS.(AS PER LATEST REVISION)
- FIELD CONDITIONS MAY DICTATE CHANGES AT SOME TIME DURING THE LIFE OF THE CONTRACT. IN THE EVENT OF OMISSIONS OR CORRECTIONS, THE SIGNING PROVISIONS OF THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES WILL PREVAIL.
- SIGNS J THROUGH L AND P THROUGH R, THE WORD (ROAD) SHOULD BE CHANGED TO RAMP, R/R OR BRIDGE WHERE APPLICABLE.
- WARNING SIGNS SHOULD BE MOUNTED ON BREAKAWAY POSTS AND HAVE RETROREFLECTIVE FLUORESCENT SHEETING.
- \*S\* BARRICADES SHALL COMPLETELY RUN THE FULL WIDTH OF ROADWAY.
- BARRICADES SHALL BE A MINIMUM OF 6 FEET WIDE UNLESS DIRECTED BY THE ENGINEER.

RECOMMENDED \_\_\_\_\_ DATE: \_\_\_\_\_

RECOMMENDED *[Signature]* DATE: 1-15-2013

RECOMMENDED *[Signature]* DATE: 1/14/13

APPROVED CHIEF SAFETY OFFICER *[Signature]* DATE: 1-31-13

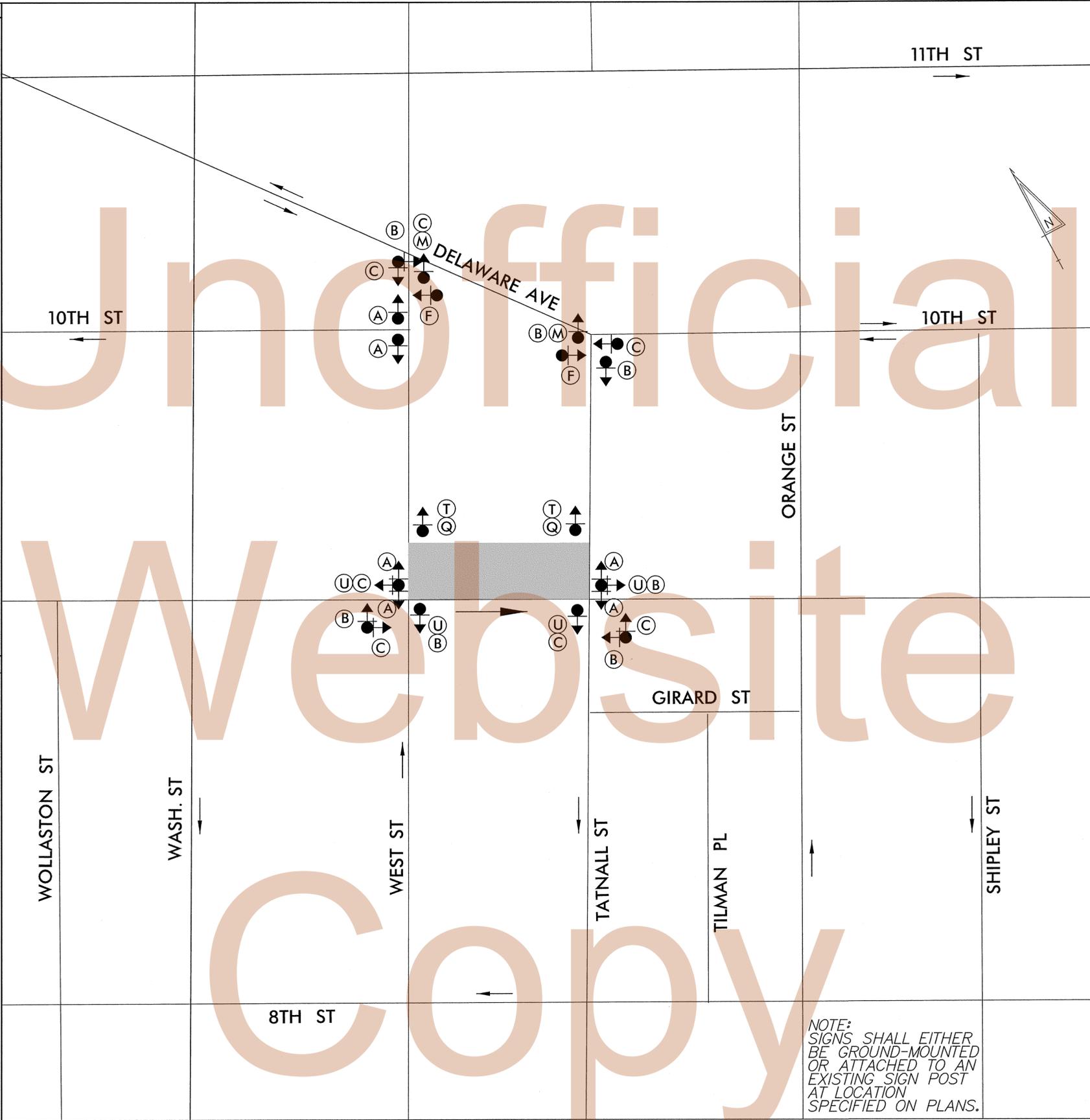
APPROVED TRAFFIC ENGINEER *[Signature]* DATE: 1/31/13

DATE AGR 14/7/10 TO 20 9TH STREET DESIGN/FINAL PLANS/CS0000\_9TH\_DETOUR.DGN

P:\ATE AGR 1471\TO 20 9TH STREET DESIGN\PEX\CS000\_9TH\_PEDDETOUR\_P1.DGN

**CHANGEABLE MESSAGE BOARDS**  
 PRIOR TO DETOUR  
 (10 DAYS PRIOR TO BEGINNING OF DETOUR)

**SPECIAL SIGNS**



NOTE:  
 SIGNS SHALL EITHER  
 BE GROUND-MOUNTED  
 OR ATTACHED TO AN  
 EXISTING SIGN POST  
 AT LOCATION  
 SPECIFIED ON PLANS.

**LEGEND**

(A)	(B)	(C)
(D)	(E)	(F)
(G)	(H)	(I)
(J)	(K)	(L)
(M)	(N)	(O)
(P)	(Q)	(R)
(S)	(T)	

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RECOMMENDED \_\_\_\_\_ DATE: \_\_\_\_\_ RECOMMENDED *[Signature]* DATE: 2-12-2013 RECOMMENDED *[Signature]* DATE: 2/8/13 APPROVED CHIEF SAFETY OFFICER *[Signature]* DATE: 2-12-13 APPROVED TRAFFIC ENGINEER *[Signature]* DATE: 2/22/13

**DELAWARE DEPARTMENT OF TRANSPORTATION**

ADDENDUM / REVISIONS

NOT TO SCALE

**CITY OF WILMINGTON  
 9TH STREET  
 STREETSCAPE IMPROVEMENTS**

CONTRACT T201020001 COUNTY NEW CASTLE PERMIT NO. N/A DESIGNED BY: WJD CHECKED BY: MAA

**PEDESTRIAN DETOUR PLAN  
 PHASE 1**

SHEET NO. 17  
 TOTAL SHTS. 28

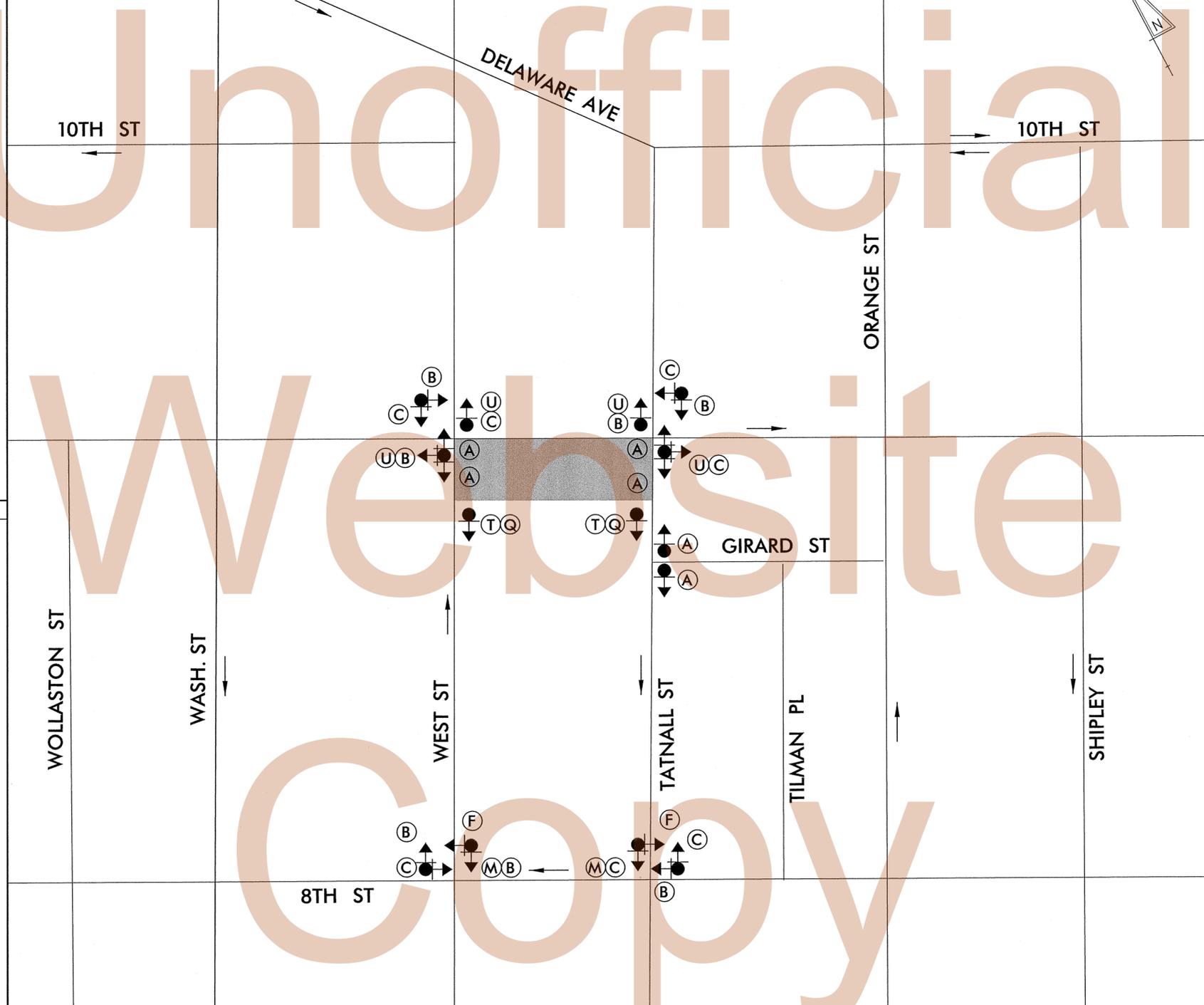
**CHANGEABLE MESSAGE BOARDS**

PRIOR TO DETOUR  
(10 DAYS PRIOR TO BEGINNING OF DETOUR)

**LEGEND**

(A)	(B)	(C)
(D)	(E)	(F)
(G)	(H)	(I)
(J)	(K)	(L)
(M)	(N)	(O)
(P)	(Q)	(R)
(S)	(T)	

**SPECIAL SIGNS**



**GENERAL NOTES**

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RECOMMENDED \_\_\_\_\_ DATE: \_\_\_\_\_ RECOMMENDED *[Signature]* DATE: 2-12-2013 RECOMMENDED *[Signature]* DATE: 2/7/13 APPROVED CHIEF SAFETY OFFICER *[Signature]* DATE: 2-18-17 APPROVED TRAFFIC ENGINEER *[Signature]* DATE: 2/22/17

**DELAWARE DEPARTMENT OF TRANSPORTATION**

ADDENDUM / REVISIONS

NOT TO SCALE

**CITY OF WILMINGTON  
9TH STREET  
STREETScape IMPROVEMENTS**

CONTRACT T200920001	PERMIT NO. NA
COUNTY NEW CASTLE	DESIGNED BY: WJD
	CHECKED BY: MAA

**PEDESTRIAN DETOUR PLAN  
PHASE 2**

SHEET NO.	18
TOTAL SHTS.	28

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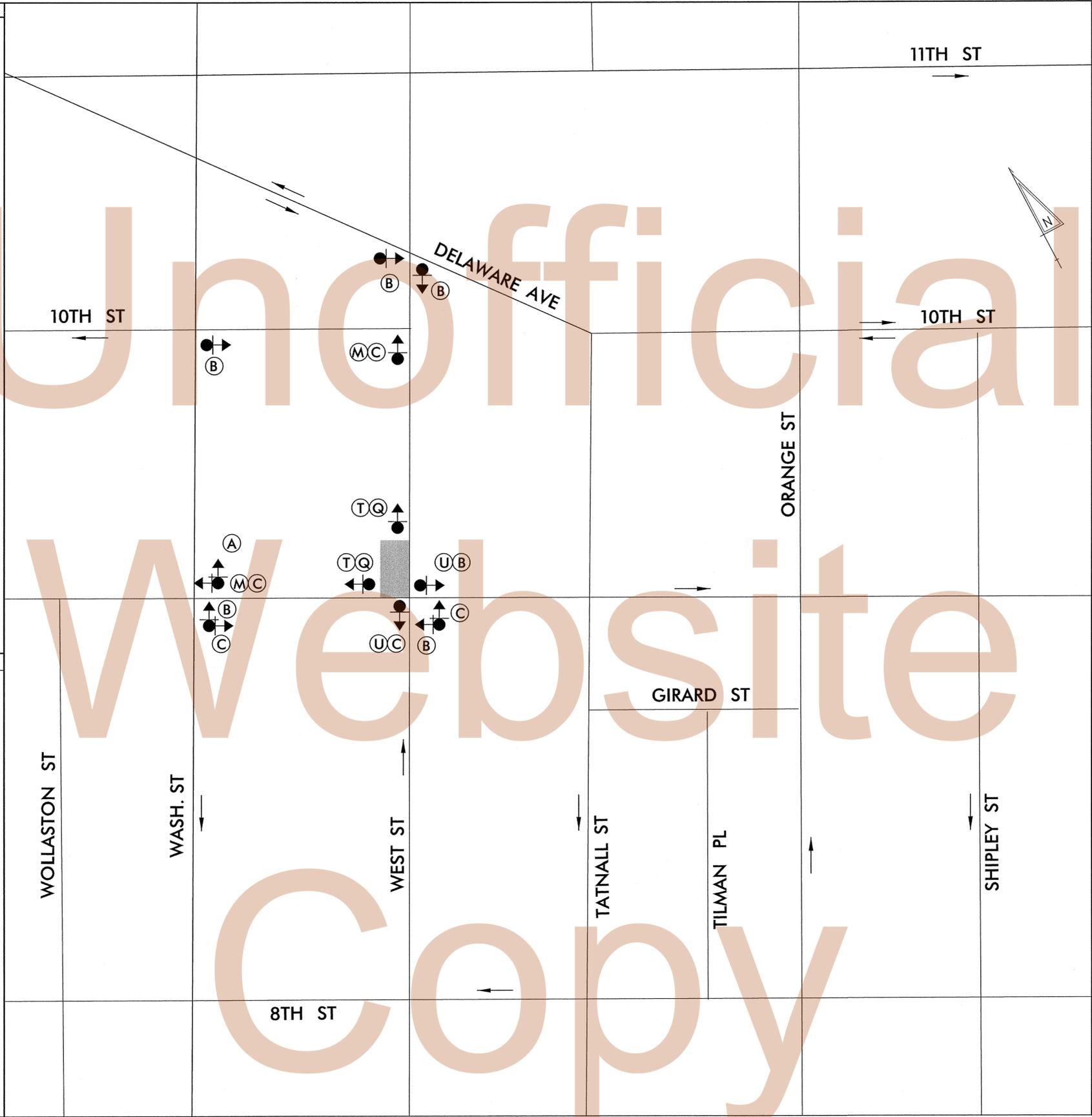
**CHANGEABLE MESSAGE BOARDS**

PRIOR TO DETOUR  
(10 DAYS PRIOR TO BEGINNING OF DETOUR)

**LEGEND**

(A)	(B)	(C)
(D)	(E)	(F)
(G)	(H)	(I)
(J)	(K)	(L)
(M)	(N)	(O)
(P)	(Q)	(R)
(S)	(T)	

**SPECIAL SIGNS**



**GENERAL NOTES**

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- \*S\* BARRICADES SHALL COMPLETELY RUN THE FULL WIDTH OF ROADWAY.
- BARRICADES SHALL BE A MINIMUM OF 6 FEET WIDE UNLESS DIRECTED BY THE ENGINEER.

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RECOMMENDED \_\_\_\_\_ DATE: \_\_\_\_\_ RECOMMENDED *Wayal P...* DATE: 2-12-2013 RECOMMENDED *John P...* DATE: 2/7/13 APPROVED CHIEF SAFETY OFFICER *Michael A. ...* DATE: 2-18-13 APPROVED TRAFFIC ENGINEER *...* DATE: 2/23/13

**DELAWARE DEPARTMENT OF TRANSPORTATION**

ADDENDUM / REVISIONS

NOT TO SCALE

**CITY OF WILMINGTON  
9TH STREET  
STREETScape IMPROVEMENTS**

CONTRACT T200920001	PERMIT NO. N/A
COUNTY NEW CASTLE	DESIGNED BY: WJD
	CHECKED BY: MAA

**PEDESTRIAN DETOUR PLAN  
PHASE 3A**

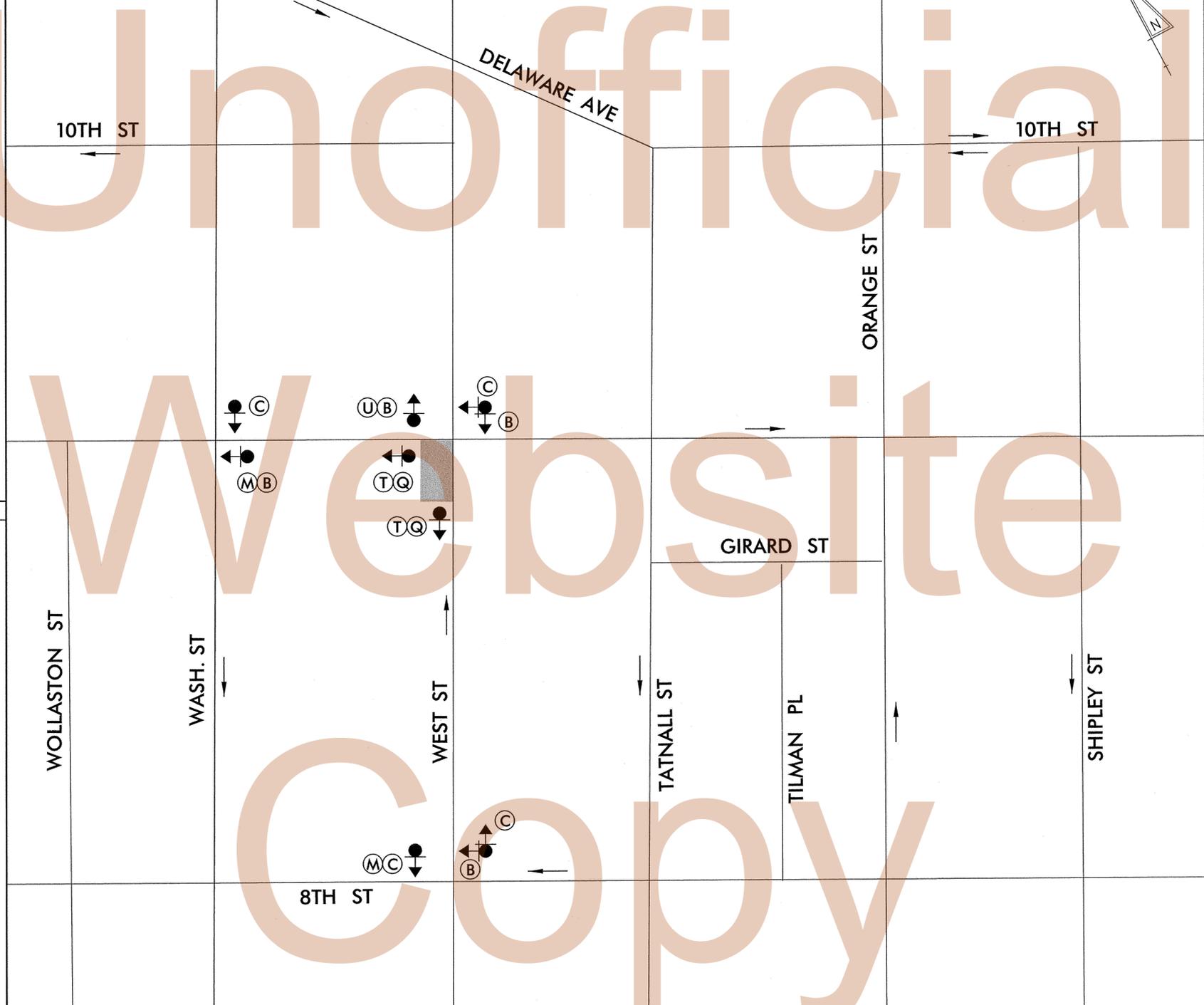
SHEET NO.	19
TOTAL SHTS.	28

**CHANGEABLE MESSAGE BOARDS**

PRIOR TO DETOUR  
(10 DAYS PRIOR TO BEGINNING OF DETOUR)

**LEGEND**

(A)	(B)	(C)
(D)	(E)	(F)
(G)	(H)	(I)
(J)	(K)	(L)
(M)	(N)	(O)
(P)	(Q)	(R)
(S)	(T)	



**SPECIAL SIGNS**



**GENERAL NOTES**

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- WARNING SIGNS SHOULD BE MOUNTED ON BREAKAWAY POSTS AND HAVE RETROREFLECTIVE FLUORESCENT SHEETING.
- "S" BARRICADES SHALL COMPLETELY RUN THE FULL WIDTH OF ROADWAY.
- BARRICADES SHALL BE A MINIMUM OF 6 FEET WIDE UNLESS DIRECTED BY THE ENGINEER.

RECOMMENDED \_\_\_\_\_ DATE: \_\_\_\_\_

RECOMMENDED *[Signature]* DATE: 2-12-2013

RECOMMENDED *[Signature]* DATE: 2/7/13

APPROVED CHIEF SAFETY OFFICER *[Signature]* DATE: 2-18-13

APPROVED TRAFFIC ENGINEER *[Signature]* DATE: 2/23/13



ADDENDUM / REVISIONS

NOT TO SCALE

**CITY OF WILMINGTON  
9TH STREET  
STREETScape IMPROVEMENTS**

CONTRACT T200920001	PERMIT NO. NA
COUNTY NEW CASTLE	DESIGNED BY: WJD
	CHECKED BY: MAA

**PEDESTRIAN DETOUR PLAN  
PHASE 3B**

SHEET NO.	20
TOTAL SHTS.	28

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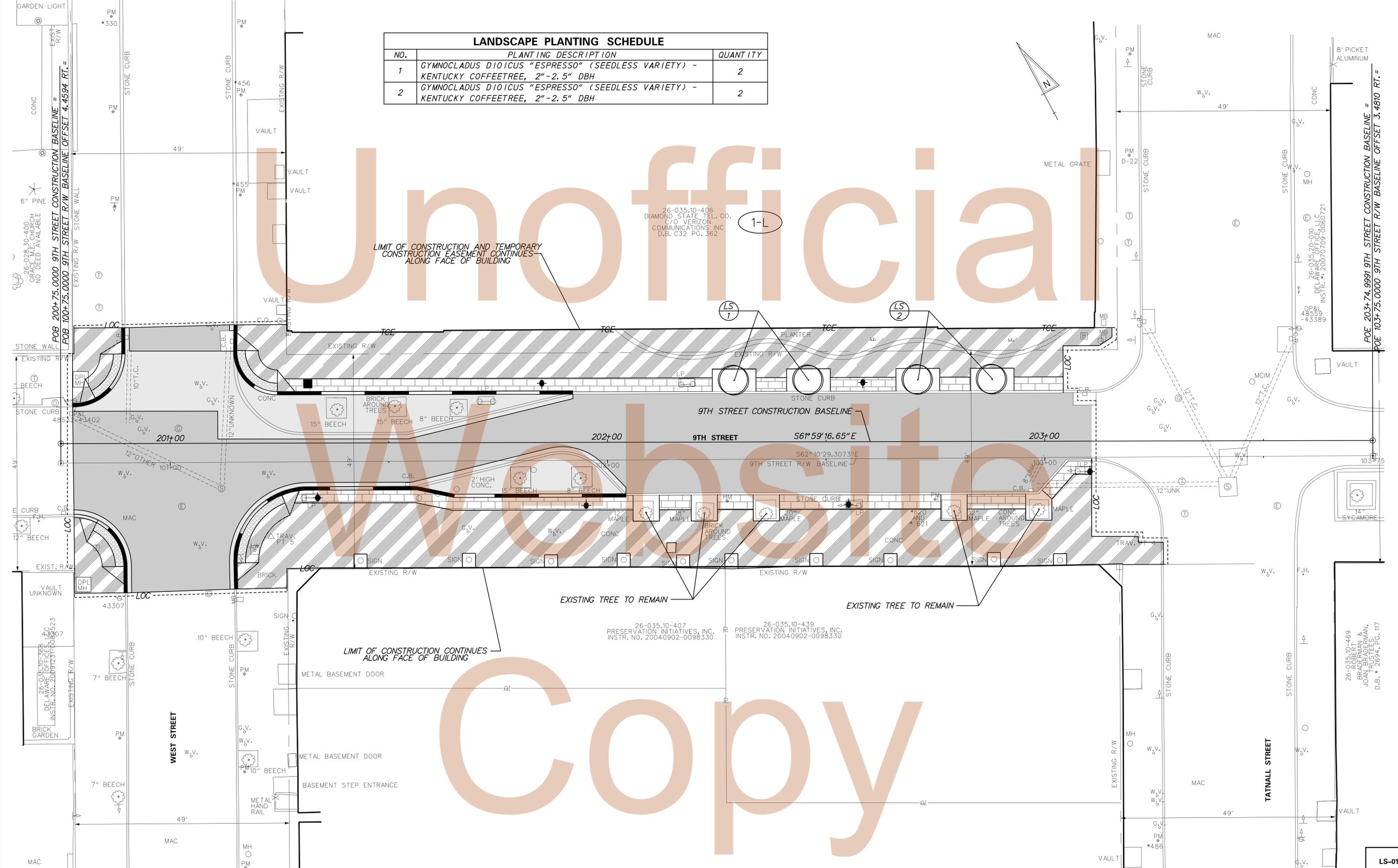
LANDSCAPE PLANTING SCHEDULE		
NO.	PLANTING DESCRIPTION	QUANTITY
1	GYMNOCLADUS DIOICUS "ESPRESSO" (SEEDLESS VARIETY) - KENTUCKY COFFEETREE, 2"-2.5" DBH	2
2	GYMNOCLADUS DIOICUS "ESPRESSO" (SEEDLESS VARIETY) - KENTUCKY COFFEETREE, 2"-2.5" DBH	2

LIMIT OF CONSTRUCTION AND TEMPORARY CONSTRUCTION EASEMENT CONTINUES ALONG FACE OF BUILDING

LIMIT OF CONSTRUCTION CONTINUES ALONG FACE OF BUILDING

EXISTING TREE TO REMAIN

EXISTING TREE TO REMAIN



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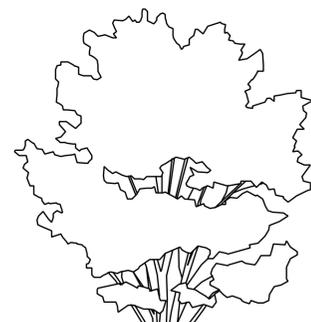
Unofficial

Website

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LS-01

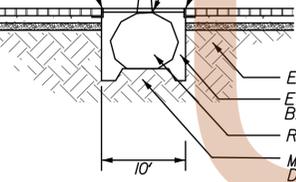


PAVER RESTRIANT ANCHORED INTO CONCRETE TO SUPPORT BRICK WORK (INCIDENTAL TO ITEM 705504)

\*57 REDDISH BROWN STONE MULCH

PAVER RESTRIANT ANCHORED INTO CONCRETE TO SUPPORT BRICK WORK (INCIDENTAL TO ITEM 705504)

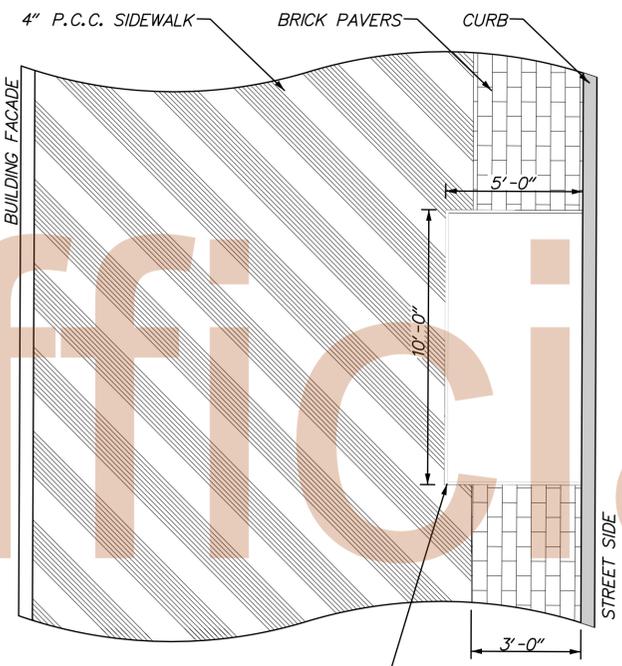
EXISTING SUBGRADE  
EXCAVATE TREE WELL BACKFILL WITH FURNISHED TOPSOIL  
ROOT BALL  
MOUND TO AVOID SETTLING. DO NOT EXCAVATE BELOW ROOT BALL



**SHRUB/TREE PLANTINGS**  
NOT TO SCALE

**NOTES:**

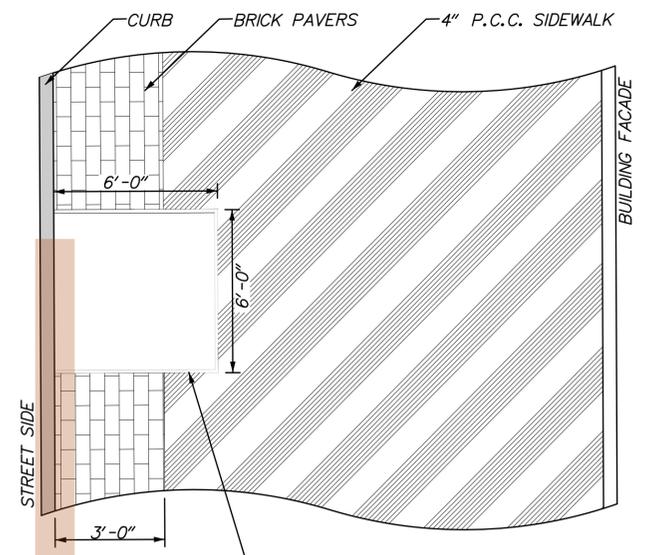
1. WATER THOROUGHLY AFTER INSTALLATION. CONTRACTOR SHALL ADD IRRIGATION BAGS FOR DECIDUOUS TREES. IRRIGATION BAGS SHALL BE MAINTAINED THROUGH THE DURATION OF THE CONTRACT. AFTER THE CONTRACT THE IRRIGATION BAGS SHALL BECOME THE PROPERTY OF THE CITY OF WILMINGTON. INSTALLATION AND MAINTANENCE OF THE IRRIGATION BAGS SHALL BE INCIDENTAL TO PLANTING (ITEM #737523).
2. PROVIDE DRAINAGE FOR PLANTING PIT IF IN IMPERMEABLE SOIL.
3. PLANTING PIT SHALL BE A MINIMUM OF TWICE THE WIDTH OF THE ROOT BALL AND A MAXIMUM OF THREE TIMES OR AS DIRECTED BY ENGINEER TO MEET FIELD CONDITIONS.
4. STAKING AND GUYING SHOULD BE DONE ON AN "AS NEEDED" BASIS. GUY WIRES, STAKES AND RUBBER HOSE SHALL BE AS SPECIFIED IN 737 OR APPROVED SUBSTITUTION.
5. AUGERED HOLES SHALL HAVE SIDES TAPERED DOWN TO SUBGRADE PRIOR TO PLANT INSTALLATION.
6. CONTRACTOR SHALL CONTACT DELAWARE DEPARTMENT OF TRANSPORTATION ROADSIDE ENVIRONMENTAL SECTION FOR INSPECTION PRIOR TO AND FOLLOWING PLANT INSTALLATION.
7. ALL PRUNING SHALL BE DONE BY AN I.S.A. CERTIFIED ARBORIST OR UNDER THE DIRECTION OF THE ENGINEER. DO NOT HEAVILY PRUNE TREES AT PLANTING.
8. ALL DEAD, BROKEN AND CROSSING BRANCHES SHALL BE PRUNED OFF FOLLOWING INSTALLATION.
9. TREES SHALL BE LIMBED TO 7' FOR PEDESTRAIN CLEARANCE WHEN DESIGNATED AS STREET TREES.



PAVER RESTRIANT ANCHORED INTO CONCRETE TO SUPPORT BRICK WORK (INCIDENTAL TO ITEM 705504)

**TREE WELL DETAIL**

FOR PROPOSED TREES - LEFT OF BASELINE  
NOT TO SCALE



PAVER RESTRIANT ANCHORED INTO CONCRETE TO SUPPORT BRICK WORK (INCIDENTAL TO ITEM 705504)

**TREE WELL DETAIL**

FOR EXISTING TREES - RIGHT OF BASELINE  
NOT TO SCALE

Copy

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ADDENDUMS / REVISIONS



CONTRACT	BRIDGE NO.	<b>N/A</b>
T200920001	DESIGNED BY:	WJD
COUNTY	CHECKED BY:	MAA
NEW CASTLE		

<b>LS-02</b>
SHEET NO.
22
TOTAL SHTS.
28

### DECORATIVE LIGHT STANDARDS & ORNAMENTAL POLE BASE SCHEDULE

NO.	CKT ID	STATION	OFFSET	LUMINAIRE ORIENTATION	PHOTOCELL CONTROL
LST-1	A1	201+85.0	-13.5'	PERP. TO CENTERLINE	YES
LST-2	B1	202+58.4	-13.5'	PERP. TO CENTERLINE	YES
LST-3	A2	201+33.7	12.5'	PERP. TO CENTERLINE	YES
LST-4	B2	201+95.1	14.4'	PERP. TO CENTERLINE	YES
LST-5	A3	202+55.1	14.4'	PERP. TO CENTERLINE	YES
LST-6	B3	203+10.3	7.0'	PERP. TO CENTERLINE	YES

### CONDUIT JUNCTION WELL SCHEDULE

STATION	OFFSET	TYPE	DIMENSION
101+31.5	-13.5'	1	20" x 20" PRECAST CONCRETE

### LIGHTING LEGEND

SYMBOL	ITEM
—SOD—	GALVANIZED CONDUIT UNDER NEW PAVEMENT OR IN SODDED TRENCH, 2.5"
—PAVE—	GALVANIZED CONDUIT UNDER EXISTING PAVEMENT, 2.5"
■	CONDUIT JUNCTION WELL
■	LIGHT STANDARD WITH LUMINAIRE
■	LIGHTING CONTROL CENTER - 100A
⊙ 1	PROPOSED CONDUIT JUNCTION WELL IDENTIFIER (TYPE OF JUNCTION WELL)
⊙ LST #	PROPOSED LIGHT STANDARD IDENTIFIER (LIGHT STANDARD #)
⊙ LSR #	PROPOSED LIGHTING CONDUIT RUN IDENTIFIER (LIGHTING CONDUIT RUN #)

### LIGHTING LEGEND

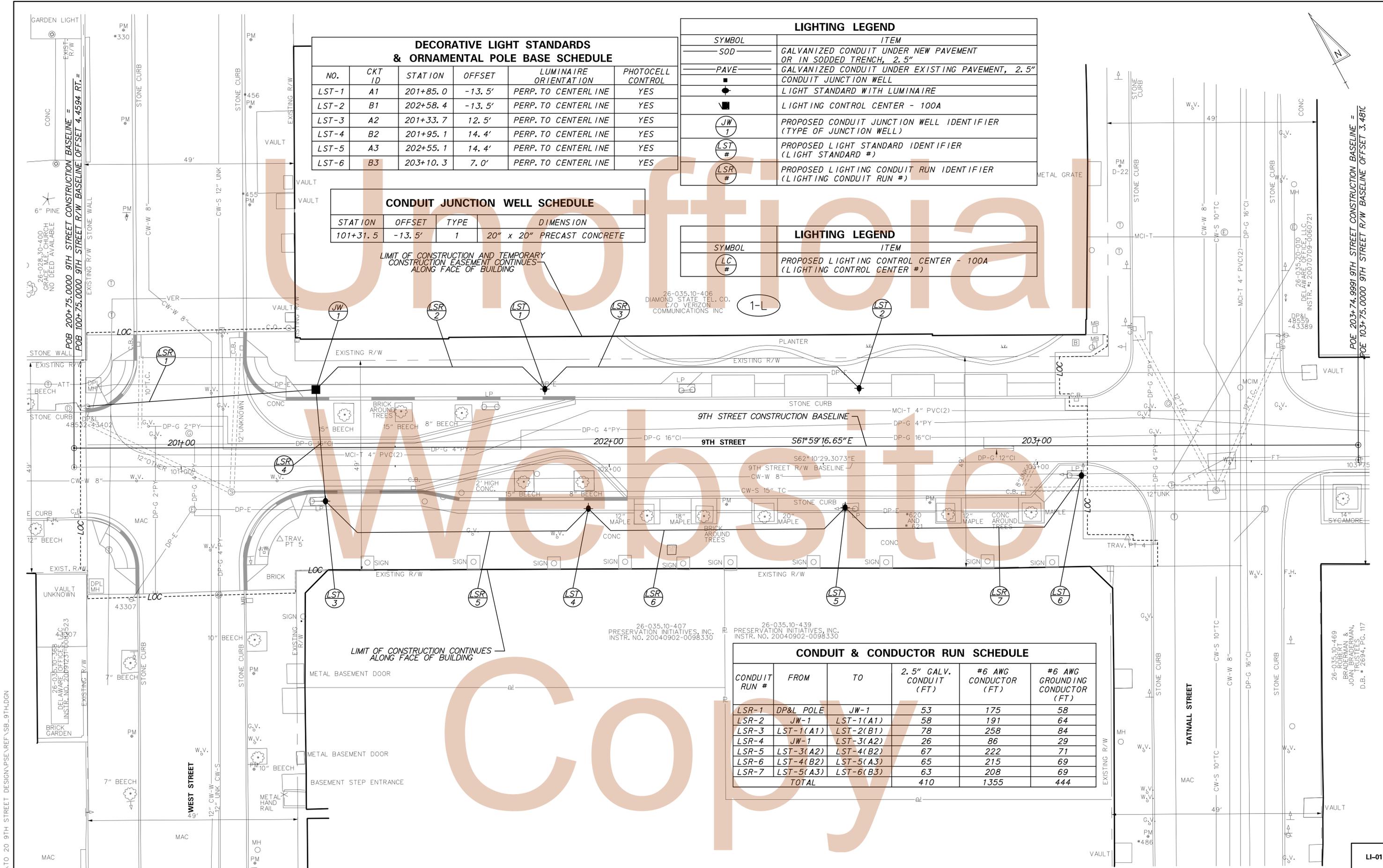
SYMBOL	ITEM
⊙ LC #	PROPOSED LIGHTING CONTROL CENTER - 100A (LIGHTING CONTROL CENTER #)

LIMIT OF CONSTRUCTION AND TEMPORARY CONSTRUCTION EASEMENT CONTINUES ALONG FACE OF BUILDING

LIMIT OF CONSTRUCTION CONTINUES ALONG FACE OF BUILDING

### CONDUIT & CONDUCTOR RUN SCHEDULE

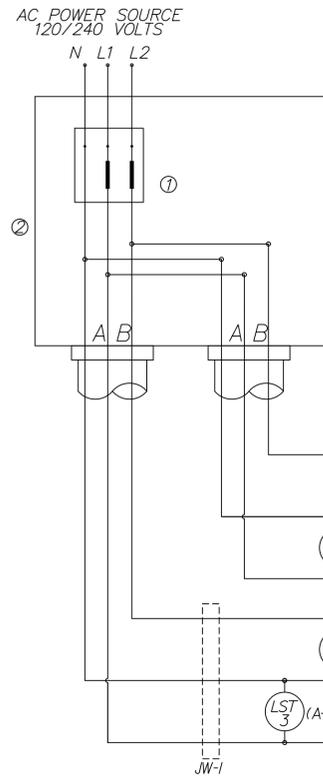
CONDUIT RUN #	FROM	TO	2.5" GALV. CONDUIT (FT)	#6 AWG CONDUCTOR (FT)	#6 AWG GROUNDING CONDUCTOR (FT)
LSR-1	DP&L POLE	JW-1	53	175	58
LSR-2	JW-1	LST-1(A1)	58	191	64
LSR-3	LST-1(A1)	LST-2(B1)	78	258	84
LSR-4	JW-1	LST-3(A2)	26	86	29
LSR-5	LST-3(A2)	LST-4(B2)	67	222	71
LSR-6	LST-4(B2)	LST-5(A3)	65	215	69
LSR-7	LST-5(A3)	LST-6(B3)	63	208	69
<b>TOTAL</b>			<b>410</b>	<b>1355</b>	<b>444</b>



P:\ATE AGR 1471\10 20 9TH STREET DESIGN\REF\SB\_9TH.DGN

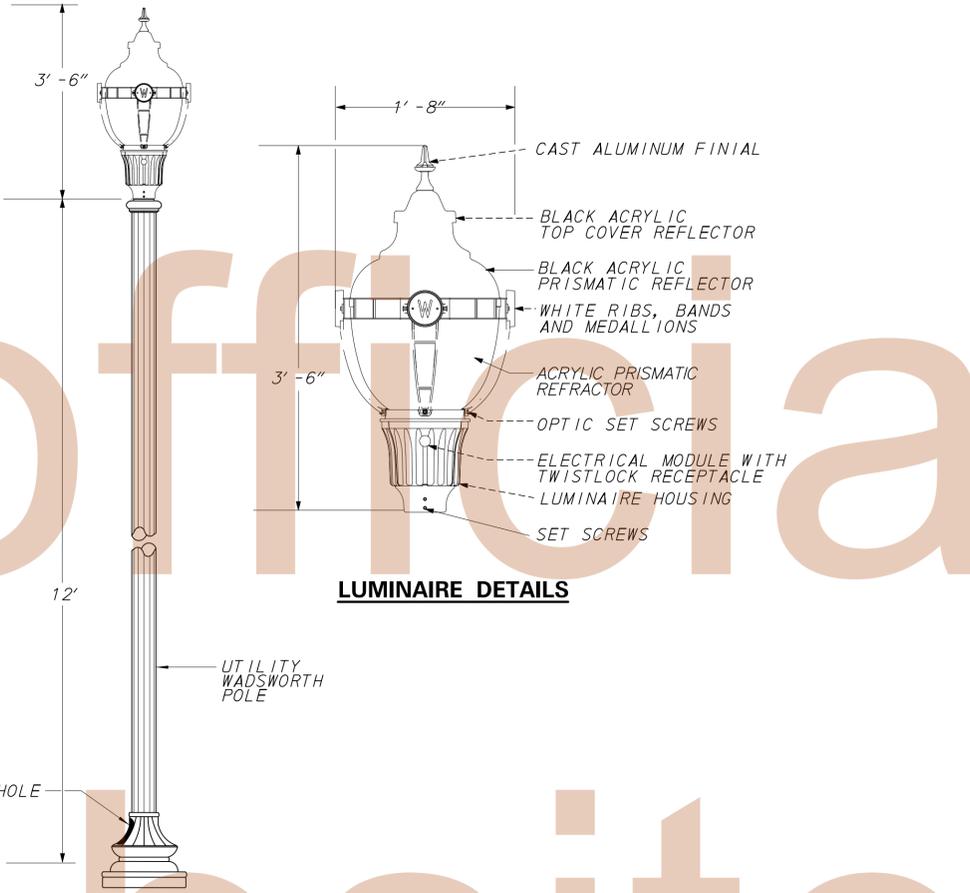
26-035.10-469  
ROBERT J. BRADY &  
JOAN TRUSTEES, LLC  
D.B. # 2694, PG. 117

POE 203+74.9991 9TH STREET CONSTRUCTION BASELINE =  
POE 103+75.0000 9TH STREET R/W BASELINE OFFSET 3.481'



**NOTES:**  
 N - NEUTRAL  
 L1 - LINE 1  
 L2 - LINE 2  
 ① - WEATHERPROOF CONDULET WITH FUSE CONNECTOR KITS  
 ② - FIRST JUNCTION WELL FROM UTILITY POLE OR MANHOLE

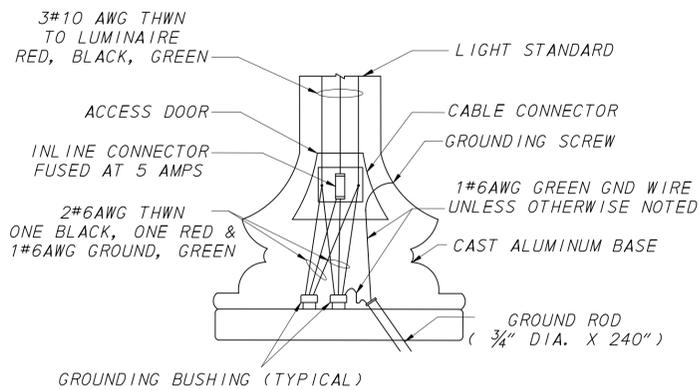
**SIDEWALK LIGHTING ELECTRICAL SCHEMATIC**



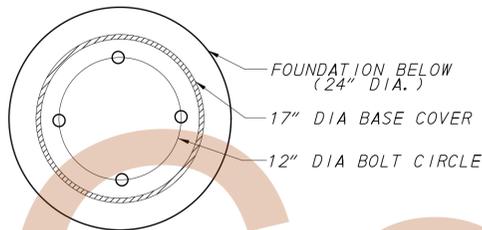
**LUMINAIRE DETAILS**

**LIGHTING STANDARD**

- 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 SERVICE DISCONNECT AND CONDUIT RISER IN ACCORDANCE WITH DELMARVA POWER'S REQUIREMENTS.
  - 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 48532-43402.
  - THE CONTRACTOR SHALL LOCATE THE POINT OF SERVICE THAT FEEDS THE FIRST POLE IN THE SERIES TO BE REMOVED. THE EXISTING SYSTEM SHALL BE DISCONNECTED BY THE CONTRACTOR AND THE FEED SHALL BE CAPPED OFF AT THAT JUNCTION WELL. ALL EXISTING CONDUITS MAY THEN BE ABANDONED.



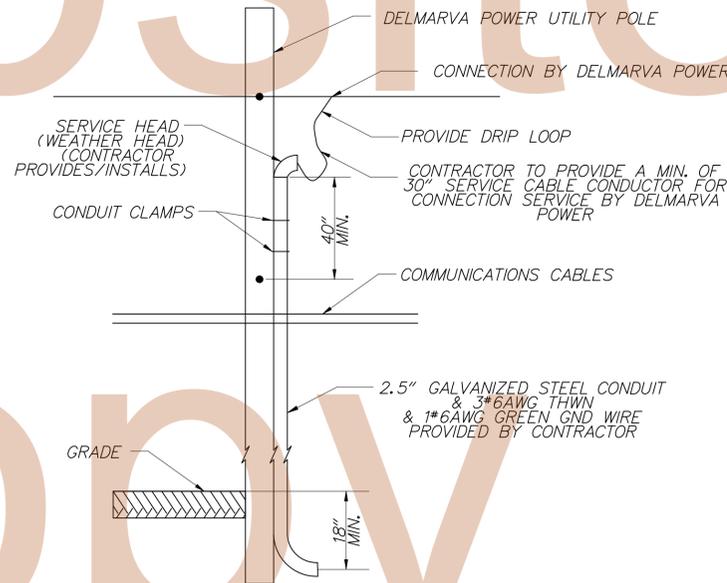
**TYPICAL LUMINAIRE CONNECTION**



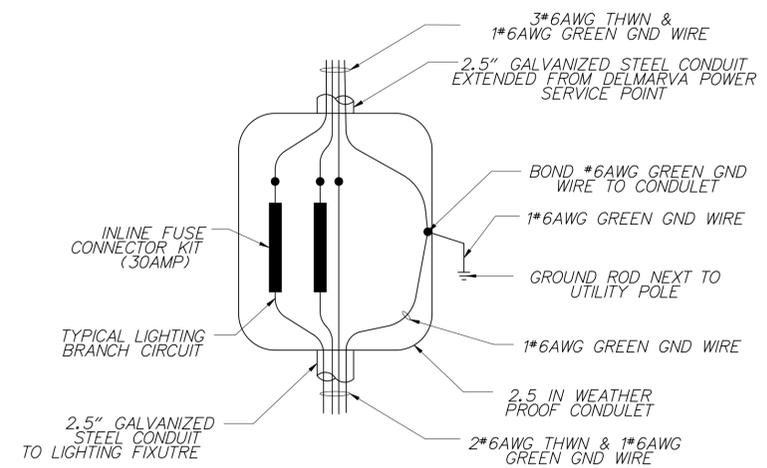
**POLE BASE PLAN**



**ANCHOR BOLT DETAIL**



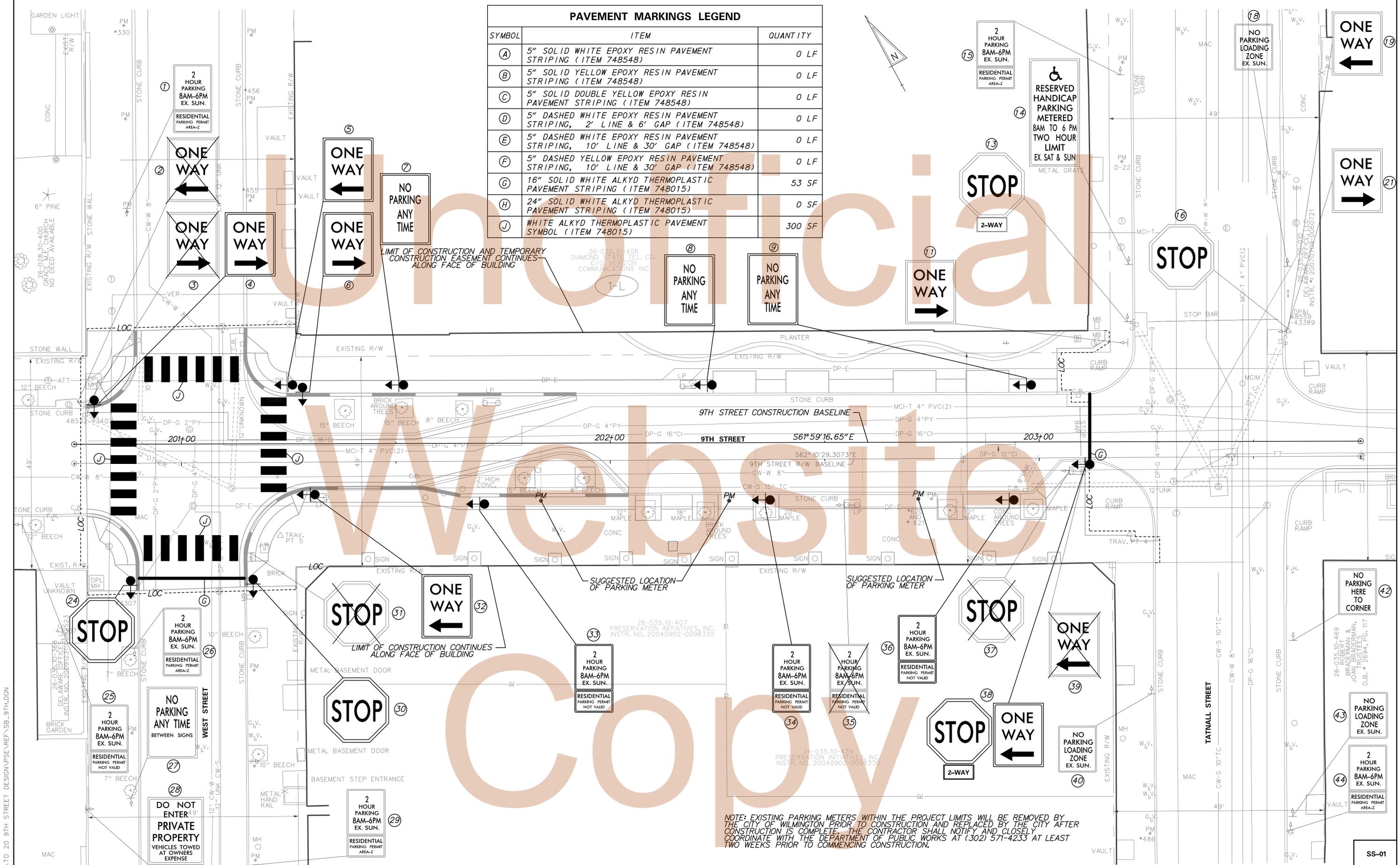
**POLE SERVICE DETAIL**



**WEATHERPROOF CONDULET DETAIL (POWER BRANCH CIRCUIT)**

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PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	5" SOLID WHITE EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	0 LF
(B)	5" SOLID YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	0 LF
(C)	5" SOLID DOUBLE YELLOW EPOXY RESIN PAVEMENT STRIPING (ITEM 748548)	0 LF
(D)	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 2' LINE & 6' GAP (ITEM 748548)	0 LF
(E)	5" DASHED WHITE EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748548)	0 LF
(F)	5" DASHED YELLOW EPOXY RESIN PAVEMENT STRIPING, 10' LINE & 30' GAP (ITEM 748548)	0 LF
(G)	16" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	53 SF
(H)	24" SOLID WHITE ALKYD THERMOPLASTIC PAVEMENT STRIPING (ITEM 748015)	0 SF
(J)	WHITE ALKYD THERMOPLASTIC PAVEMENT SYMBOL (ITEM 748015)	300 SF



NOTE: EXISTING PARKING METERS WITHIN THE PROJECT LIMITS WILL BE REMOVED BY THE CITY OF WILMINGTON PRIOR TO CONSTRUCTION AND REPLACED BY THE CITY AFTER CONSTRUCTION IS COMPLETE. THE CONTRACTOR SHALL NOTIFY AND CLOSELY COORDINATE WITH THE DEPARTMENT OF PUBLIC WORKS AT (302) 571-4233 AT LEAST TWO WEEKS PRIOR TO COMMENCING CONSTRUCTION.

**PERMANENT SIGN SCHEDULE**

SHEET NO.	NO.	CODE	DESCRIPTION	ASSEMBLY NO.	SIGN HEIGHT (IN)	SIGN WIDTH (IN)	SIGN AREA (SF)	SIGN DISPOSITION	ITEM 749687 SINGLE POST EACH		ITEM 749690 MULTI-POST (SF)		ITEM 749688 4" HOLE, 0-6" (EACH)	ITEM 749689 4" HOLE, >6" (EACH)	REMARKS
									REMOVE	INSTALL	REMOVE	INSTALL			
SS-01	1	R7-108	"2 HOUR PARKING 8AM-6PM EX. SUN"				-	EXISTING SIGN TO REMAIN							
		-	"RESIDENTIAL PARKING PERMIT AREA-Z"	1			-	EXISTING SIGN TO REMAIN							
	2	R6-2L	"ONE WAY" LEFT ARROW				-	REMOVE	1						
	3	R6-2R	"ONE WAY" RIGHT ARROW				-	REMOVE	1						
	4	R6-2R	"ONE WAY" RIGHT ARROW		30	24	5.00	NEW		1					
	5	R6-2L	"ONE WAY" LEFT ARROW		30	24	5.00	NEW		1					
	6	R6-2R	"ONE WAY" RIGHT ARROW		30	24	5.00	NEW		1					
	7	R7-1	"NO PARKING ANY TIME"		18	12	1.50	NEW		1					
	8	R7-1	"NO PARKING ANY TIME"		18	12	1.50	NEW		1					
	9	R7-1	"NO PARKING ANY TIME"		18	12	1.50	NEW		1					
	11	R6-2R	"ONE WAY" RIGHT ARROW				-	EXISTING SIGN TO REMAIN							
	13	R1-1	"STOP"				-	EXISTING SIGN TO REMAIN							
		R1-3-2-DE	"2-WAY" PLAQUE	13			-	EXISTING SIGN TO REMAIN							
	14	R7-8	"RESERVED HANDICAP PARKING"				-	EXISTING SIGN TO REMAIN							
	15	R7-108	"2 HOUR PARKING 8AM-6PM EX. SUN"				-	EXISTING SIGN TO REMAIN							
		-	"RESIDENTIAL PARKING PERMIT AREA-Z"	15			-	EXISTING SIGN TO REMAIN							
	16	R1-1	"STOP"				-	EXISTING SIGN TO REMAIN							
	18	R7-6	"NO PARKING LOADING ZONE EX. SUN"				-	EXISTING SIGN TO REMAIN							
	19	R6-2L	"ONE WAY" LEFT ARROW				-	EXISTING SIGN TO REMAIN							
	21	R6-2R	"ONE WAY" RIGHT ARROW				-	EXISTING SIGN TO REMAIN							
	24	R1-1	"STOP"		36	36	9.00	NEW		1					
	25	R7-108	"2 HOUR PARKING 8AM-6PM EX. SUN"				-	EXISTING SIGN TO REMAIN							
		-	"RESIDENTIAL PARKING PERMIT NOT VALID"	25			-	EXISTING SIGN TO REMAIN							
	26	R7-108	"2 HOUR PARKING 8AM-6PM EX. SUN"				-	EXISTING SIGN TO REMAIN							
		-	"RESIDENTIAL PARKING PERMIT AREA-Z"	26			-	EXISTING SIGN TO REMAIN							
	27	-	"NO PARKING ANY TIME BETWEEN SIGNS"				-	EXISTING SIGN TO REMAIN							
	28	-	"DO NOT ENTER PRIVATE PROPERTY"				-	EXISTING SIGN TO REMAIN							
	29	R7-108	"2 HOUR PARKING 8AM-6PM EX. SUN"				-	EXISTING SIGN TO REMAIN							
		-	"RESIDENTIAL PARKING PERMIT AREA-Z"	29			-	EXISTING SIGN TO REMAIN							
	30	R1-1	"STOP"		36	36	9.00	NEW		1					
	31	R1-1	"STOP"				-	REMOVE	1						
	32	R6-2L	"ONE WAY" LEFT ARROW		30	24	5.00	NEW		1					
	33	R7-108	"2 HOUR PARKING 8AM-6PM EX. SUN"		18	12	1.50	NEW		1					
		-	"RESIDENTIAL PARKING PERMIT NOT VALID"	33	6	12	0.50	NEW		1					
	34	R7-108	"2 HOUR PARKING 8AM-6PM EX. SUN"		18	12	1.50	NEW		1					
		-	"RESIDENTIAL PARKING PERMIT NOT VALID"	34	6	12	0.50	NEW		1					
	35	R7-108	"2 HOUR PARKING 8AM-6PM EX. SUN"				-	REMOVE	1						
		-	"RESIDENTIAL PARKING PERMIT NOT VALID"	35			-	REMOVE	1						

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ADDENDUMS / REVISIONS



**CITY OF WILMINGTON  
9TH STREET  
STREETSCAPE IMPROVEMENTS**

CONTRACT	BRIDGE NO.	<b>NA</b>
T200920001	DESIGNED BY: WJD	
COUNTY	CHECKED BY: MAA	
NEW CASTLE		

**SIGNING, STRIPING, AND  
CONDUIT PLANS**

<b>SS-02</b>
SHEET NO.
26
TOTAL SHTS.
28

**PERMANENT SIGN SCHEDULE**

SHEET NO.	NO.	CODE	DESCRIPTION	ASSEMBLY NO.	SIGN HEIGHT (IN)	SIGN WIDTH (IN)	SIGN AREA (SF)	SIGN DISPOSITION	ITEM 749687 SINGLE POST EACH		ITEM 749690 MULTI-POST (SF)		ITEM 749688 4" HOLE, 0-6" (EACH)	ITEM 749689 4" HOLE, >6" (EACH)	REMARKS
									REMOVE	INSTALL	REMOVE	INSTALL			
SS-01	36	R7-108	"2 HOUR PARKING 8AM-6PM EX. SUN"		18	12	1.50	NEW		1					
		-	"RESIDENTIAL PARKING PERMIT NOT VALID"	36	6	12	0.50	NEW		1					
	37	R1-1	"STOP"				-	REMOVE	1						
	38	R1-1	"STOP"		36	36	9.00	NEW		1					
		R1-3-2-DE	"2-WAY" PLAQUE	38	6	18	0.75	NEW		1					
		R6-2L	"ONE WAY" LEFT ARROW	38	30	24	5.00	NEW		1					
	39	R6-2L	"ONE WAY" LEFT ARROW				-	REMOVE	1						
	40	R7-6	"NO PARKING LOADING ZONE EX. SUN"				-	EXISTING SIGN TO REMAIN							
	42	-	"NO PARKING HERE TO CORNER"				-	EXISTING SIGN TO REMAIN							
	43	R7-6	"NO PARKING LOADING ZONE EX. SUN"				-	EXISTING SIGN TO REMAIN							
	44	R7-108	"2 HOUR PARKING 8AM-6PM EX. SUN"				-	EXISTING SIGN TO REMAIN							
		-	"RESIDENTIAL PARKING PERMIT AREA-Z"	44			-	EXISTING SIGN TO REMAIN							
							TOTALS:	63.25		7	18	0	0	0	0

Unofficial  
Website  
Copy

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ADDENDUMS / REVISIONS



**CITY OF WILMINGTON  
9TH STREET  
STREETScape IMPROVEMENTS**

CONTRACT T200920001	BRIDGE NO. NA
COUNTY NEW CASTLE	DESIGNED BY: WJD
	CHECKED BY: MAA

**SIGNING, STRIPING, AND  
CONDUIT PLANS**

SS-03
SHEET NO. 27
TOTAL SHTS. 28

PREPARED BY  
THE CONSULTING FIRM OF  
**McCormick  
Engineers & Planners  
Taylor**  
Since 1946

SEAL  
**8/29 2013**  
DATE



*Michael Angelo*  
PROJECT MANAGER

ASSESSMENT NUMBER	OWNERSHIP OF RECORD			TYPE OF ACQUISITION		TITLE SOURCE	PARCEL AREA (ACRES)				
26-035.10-406	(1-L) DIAMOND STATE TELEPHONE COMPANY C/O VERIZON COMMUNICATIONS INC.			TCE		D.B. C32 PG. 362	0.89				
ALIGNMENT NUMBER & DESCRIPTION: 9TH RW BASELINE - NO DESCRIPTION											
PT. NO.	ALIGN. NO.	STATION	OFFSET *	NORTH	EAST	BEARING	DISTANCE	CHORD BEARING	CHORD LENGTH	ARC LENGTH	RADIUS **
40000	1000	101+26.77	-24.50	635919.5292	618308.3822	N 27°49'30.69" E	6.8314				
40001	1000	101+26.77	-31.33	635925.5707	618311.5709	S 62°10'22.73" E	0.0895				
40002	1000	101+26.86	-31.33	635925.5290	618311.6501	S 27°49'37.27" W	1.4536				
40003	1000	101+26.86	-29.88	635924.2434	618310.9715	S 62°10'22.73" E	1.1449				
40004	1000	101+28.00	-29.88	635923.7090	618311.9841	S 27°49'37.27" W	0.3201				
40005	1000	101+28.00	-29.56	635923.4259	618311.8346	S 61°57'36.28" E	34.6802				
40006	1000	101+62.68	-29.43	635907.1232	618342.4441	N 28°02'23.72" E	0.3500				
40007	1000	101+62.68	-29.78	635907.4321	618342.6086	S 62°14'28.64" E	112.9968				
40008	1000	102+75.68	-29.91	635854.8040	618442.6014	S 28°02'23.72" W	0.3500				
40009	1000	102+75.68	-29.56	635854.4951	618442.4368	S 62°10'22.73" E	41.0890				
40010	1000	103+16.77	-29.56	635835.3146	618478.7743	S 27°49'30.69" W	5.0575				
40011	1000	103+16.77	-24.50	635830.8419	618476.4136	N 62°10'29.31" W	190.0000				
40000	1000	101+26.77	-24.50	635919.5292	618308.3822						

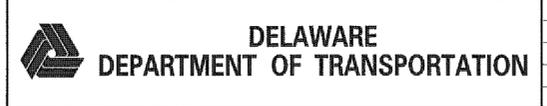
LEGEND  
 FEE AREA OF ACQUISITION  
 R/W AREA OCCUPIED BY EXISTING RW  
 P/E PERMANENT EASEMENT  
 TCE TEMPORARY CONSTRUCTION EASEMENT  
 \*\* OFFSET IS LEFT OF BASELINE  
 CURVE TURNS TO THE LEFT

RW SHEET 1 OF 1

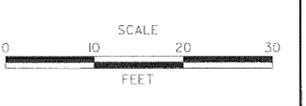


COUNTY ASSESSMENT PARCEL NUMBER	PLAN SHEET NUMBER	OWNERSHIP OF RECORD	TITLE SOURCE	PROPERTY AREA BEFORE ACQUISITION (ACRE) D=DEED C=CALCULATED A=ASSESSMENT	ACQUISITION CODE FEE, R/W, P/E, TCE	AREA TO BE ACQUIRED		PROPERTY AREA REMAINING (SQ. FEET / ACRES)	DEED RECORD OF ACQUISITION	REMARKS
						ACQUISITION (SQ. FEET / ACRES)	EASEMENT PERMANENT (SQ. FEET / ACRES) TEMPORARY (SQ. FEET / ACRES)			
26-035.10-406	X	(1-L) DIAMOND STATE TELEPHONE COMPANY C/O VERIZON COMMUNICATIONS INC.	DB C32 PG 362	A - 0.89	TCE		991.5129 / 0.02	38768.4000 / 0.89		

ACQUISITION CODES  
 FEE - ACQUISITION  
 R/W - AREA OCCUPIED BY EXISTING RW  
 P/E - PERMANENT EASEMENT  
 TCE - TEMPORARY EASEMENT



ADDENDUMS / REVISIONS

CITY OF WILMINGTON  
9TH STREET  
STREETSCAPE IMPROVEMENTS

CONTRACT T200920001	BRIDGE NO. N/A
COUNTY NEW CASTLE	DESIGNED BY: WJD CHECKED BY: MAA

RIGHT-OF-WAY PLAN		SHEET NO. 28
		TOTAL SHTS. 28

PLATE AGR 1471ATO 20 9TH STREET DESIGN\PS\REF\ASB\_9TH.DGN