

# THE STATE OF DELAWARE DEPARTMENT OF TRANSPORTATION

U.S. CUSTOMARY  
UNITS

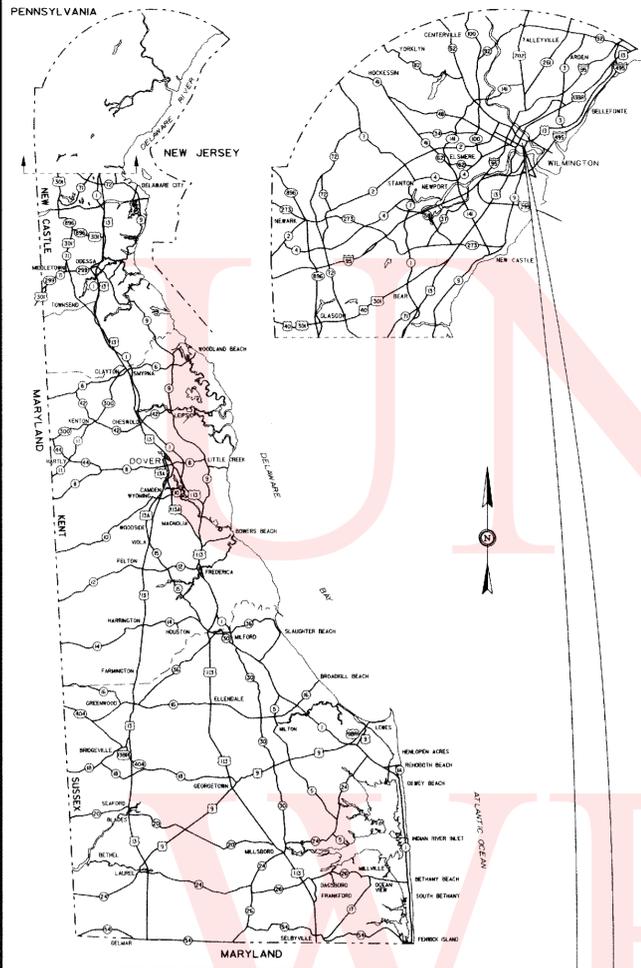


CONSTRUCTION PLANS FOR:

## RODNEY SQUARE BEAUTIFICATION, PHASE I

CONTRACT NUMBER: T200820013  
FEDERAL AID PROJECT NUMBER: ETE A-2008(17)

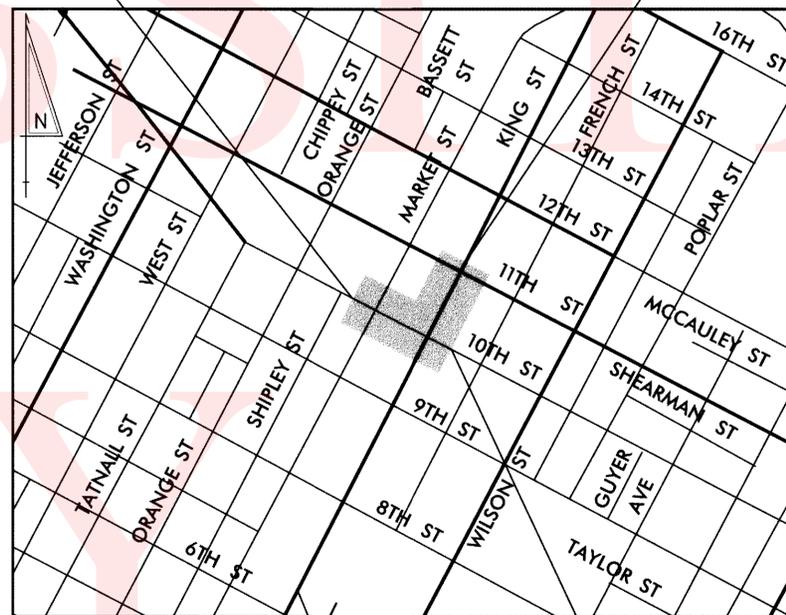
COUNTY: NEW CASTLE M.R. #: N/A



GENERAL LOCATION OF CONTRACT

BEGIN  
CONTRACT T200820013  
STATION 100 + 50.00

LIMIT OF CONSTRUCTION  
CONTRACT T200820013  
STATION 203 + 50.00



END  
CONTRACT T200820013  
STATION 103 + 50.00

DESIGN DESIGNATION		
FUNCTIONAL CLASS: MAJOR COLLECTOR	D.H.V. PROJECTED: N/A	YEAR: N/A
TYPE OF CONSTRUCTION: SIDEWALKS/LANDSCAPE	DESIGN SPEED: N/A M.P.H.	
A.A.D.T. CURRENT: N/A	YEAR: N/A	TRUCKS: N/A %
A.A.D.T. PROJECTED: N/A	YEAR: N/A	DIRECTION OF DISTRIBUTION: N/A %
INDEX OF SHEETS		
SHEET NO	TABLE OF CONTENTS	
1	TITLE SHEET	
2	PLAN SHEET INDEX	
3	LEGEND	
4-5	GENERAL AND PROJECT NOTES	
6-7	TYPICAL SECTIONS	
8	HORIZONTAL AND VERTICAL CONTROL	
9	CONSTRUCTION PLAN	
10	PROFILE	
11-12	GRADES AND GEOMETRICS	
13	GRADING PLAN	
14-16	CONSTRUCTION DETAILS	
17	GENERAL TRAFFIC CONTROL NOTES	
18	PERMANENT WARNING SIGN LOCATION PLAN	
19-24	CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLANS	
25-28	DETOUR PLANS	
29-30	LANDSCAPING PLANS AND DETAILS	
31-38	LIGHTING PLANS	
39	UTILITY PLAN	
40	SIGNING AND STRIPING PLAN	
41-42	RIGHT OF WAY PLANS	
TOTAL SHEETS: 42		

APPROVED DESIGN EXCEPTIONS			
DESIGN PARAMETER	REQUIRED	PROVIDED	DATE

ADDENDA & REVISIONS	
DESCRIPTION	NAME & DATE

ASSOCIATED CONTRACTS	
CONTRACT NO.	CONTRACT NAME
T200001102	MARKET STREET RENOVATION PROJECT

PREPARED BY  
THE CONSULTING FIRM OF

**WHITMAN, REQUARDT & ASSOCIATES, LLP**  
ENGINEERS - ARCHITECTS - PLANNERS EST. 1913

SEAL

*Jeffrey R. Rieger*  
RECOMMENDED

8/4/11  
DATE

<p style="text-align: center;"><b>RECOMMENDED</b></p> <p style="text-align: center;"><i>Richard L. Palmer</i> SQUAD MANAGER, CONSTRUCTION</p> <p style="text-align: center;">8/18/11 DATE</p>	<p style="text-align: center;"><i>Phyllis Sparks</i> COMMUNITY SPONSOR</p> <p style="text-align: center;">DATE 8-22-11</p>
<p style="text-align: center;"><i>Chris Cote</i> GROUP ENGINEER, CONSTRUCTION</p> <p style="text-align: center;">8/19/11 DATE</p>	<p style="text-align: center;"><i>Kathleen</i> CITY OF WILMINGTON</p> <p style="text-align: center;">DATE 8/22/11</p>
<p style="text-align: center;"><i>Sharon L. Clements</i> ASSISTANT DIRECTOR, TRANSPORTATION SOLUTIONS (CONSTRUCTION)</p> <p style="text-align: center;">8-19-11 DATE</p>	<p style="text-align: center;"> </p>

**RECOMMENDED**

*Vincent W. Davis*  
STORMWATER ENGINEER

DATE 29 Aug 2011

SEAL

**RECOMMENDED**

SQUAD MANAGER, TRANSPORTATION SOLUTIONS  
(PROJECT DEVELOPMENT OR BRIDGE DESIGN)

DATE

SEAL

**RECOMMENDED**

BRIDGE DESIGN ENGINEER

DATE

SEAL

**RECOMMENDED**

*John Nunn*  
TRANSPORTATION ENHANCEMENTS  
PROGRAM MANAGER

DATE 8-25-11

SEAL

**RECOMMENDED**

*D. A. By*  
ASSISTANT DIRECTOR,  
TRANSPORTATION SOLUTIONS

DATE 8/30/11

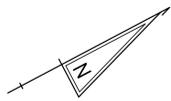
SEAL

**APPROVED**

*Natalie Brumhart*  
CHIEF ENGINEER

DATE August 30, 2011

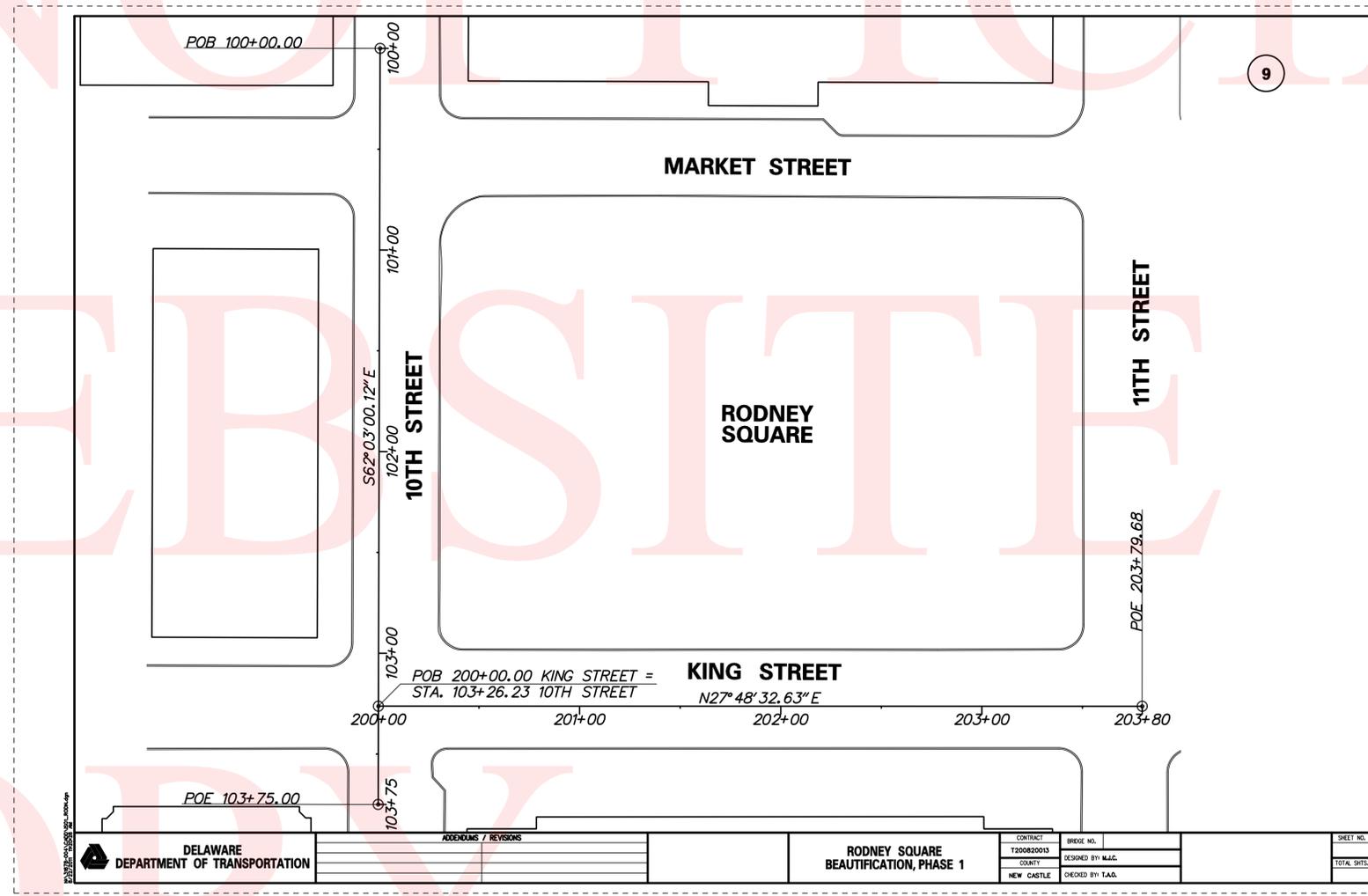
SEAL



UNOFFICIAL

WEBSITE

COPY



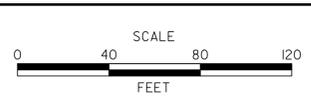
PLAN SHEET INDEX CROSS REFERENCE	
CONSTRUCTION PLAN	9
PROFILES	10
GRADES AND GEOMETRICS	11-12
GRADING PLAN	13
CONSTRUCTION PHASING, M.O.T. AND E&S PLAN	19-24
DETOUR PLAN	25-28
LANDSCAPING PLAN	29
LIGHTING PLAN	32-34
UTILITY PLAN	39
SIGNING, STRIPING AND CONDUIT PLAN	40
RIGHT OF WAY PLAN	41

 <b>DELAWARE</b> DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS		<b>RODNEY SQUARE</b> BEAUTIFICATION, PHASE 1	CONTRACT	BRIDGE NO.	SHEET NO.  TOTAL SHTS.
				T200820013	N/A	
				DESIGNED BY: M.J.C.		
				CHECKED BY: T.A.O.		
		NEW CASTLE				

No. 21678-004, 10/01/11 11:50 AM  
 P. 22/2011 11:50 AM

**DELAWARE**  
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS	



**RODNEY SQUARE**  
**BEAUTIFICATION, PHASE 1**

CONTRACT	BRIDGE NO.	N/A
T200820013	DESIGNED BY: M.J.C.	
COUNTY	CHECKED BY: T.A.O.	
NEW CASTLE		

<b>PLAN SHEET INDEX</b>
-------------------------

IS-01
SHEET NO. 2
TOTAL SHTS. 42

## 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	
	CITY OF WILMINGTON - SEWER
	CITY OF WILMINGTON - WATER
	CITY OF WILMINGTON - ELECTRIC
	DELMARVA POWER - ELECTRIC
	DELMARVA POWER - GAS
	MCI COMMUNICATIONS
	AT&T
	VERIZON
	DELDOT SIGNAL CONDUIT - EXISTING

## PROPOSED SYMBOLS

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

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

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

PAVEMENT SECTION(S)	
	2" WMA, SUPERPAVE, TYPE C, PATCHING
	3" WMA, SUPERPAVE, TYPE B, PATCHING
	4" WMA, SUPERPAVE, BCBC, PATCHING
	8" GABC, TYPE B, PATCHING

MISCELLANEOUS	
	EXISTING BENCH
	PROPOSED / RELOCATED BENCH
	EXISTING TRASH CAN
	POROUS PCC SIDEWALK - 6"
	POLE BASE W/DECORATIVE LIGHT FIXTURE
	JUNCTION WELL - SPECIAL
	STONE CURB

ADDENDUMS / REVISIONS

NOT TO SCALE

RODNEY SQUARE  
BEAUTIFICATION, PHASE 1

CONTRACT T200820013	BRIDGE NO.	N/A
COUNTY NEW CASTLE	DESIGNED BY: M.J.C.	CHECKED BY: T.A.O.

LEGEND

SHEET NO.	3
TOTAL SHTS.	42

## 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 - PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL COORDINATE ALL STAGING AREA LOCATIONS WITH THE CITY OF WILMINGTON, DEPARTMENT OF PUBLIC WORKS. 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
( ) INSIGNIFICANT	NONE
( X ) 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:

( )	NONE
( X )	ASCII DATA FILES WITH COORDINATES AND ELEVATIONS FOR PROPOSED POINTS AS SELECTED BY THE ENGINEER.
( X )	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.
( )	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.

- THE DISTURBED AREA FOR THIS PROJECT IS 0.373 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 ON THE PLANS, THE CONTRACTOR SHALL, AS PART OF HIS PROJECT SCHEDULE, SUBMIT TO THE ENGINEER AN ESTIMATE OF THE MONTHLY PAYMENTS EXPECTED TO BE RECEIVED ON THE CONTRACT. THIS WILL BE REFERENCED AS THE "MONTHLY PAYMENT CHART".

A CHART IN MICROSOFT EXCEL, MICROSOFT WORD, OR HAND WRITTEN FORMAT WILL BE ACCEPTABLE FOR THIS PURPOSE. THE CHART SHOULD INCLUDE, AS A MINIMUM, COLUMNS FOR THE MONTH, YEAR AND ESTIMATED MONTHLY PAYMENTS. THE TOTAL OF ALL ESTIMATED MONTHLY PAYMENTS SHOULD EQUAL THE AWARDED CONTRACT TOTAL BID PRICE.

THE ENGINEER MAY REQUEST AN UPDATED "MONTHLY PAYMENT CHART" AT HIS DISCRETION, DEPENDING ON THE ACCURACY OF THE INITIAL ESTIMATES AND ACCORDING TO THE OVERALL NEEDS OF THE DEPARTMENT.

THE "MONTHLY PAYMENT CHART" WILL NOT BE CONSIDERED A BINDING DOCUMENT BY EITHER THE CONTRACTOR OR THE DEPARTMENT AND IS CONSIDERED SOLELY INFORMATIONAL.

ON PROJECTS REQUIRING CPM SCHEDULES, THE CONTRACTOR MAY, BUT IS NOT REQUIRED TO, "COST LOAD" THE CPM SCHEDULE IN ORDER TO GENERATE THE MONTHLY SPEND PAYMENT CHART.

COSTS TO PREPARE AND/OR UPDATE THE "MONTHLY PAYMENT CHART" ARE ADDRESSED AS FOLLOWS:

A. ON CONTRACTS REQUIRING CPM SCHEDULES AND UPDATES, PREPARATION OF THE INITIAL CHART SHALL BE INCIDENTAL TO ITEM 763508. UPDATES SHALL BE INCIDENTAL TO ITEM 763509.

B. ON CONTRACTS NOT REQUIRING CPM SCHEDULES, THE COST TO PREPARE AND UPDATE THE "MONTHLY PAYMENT CHART" SHALL BE INCLUDED IN ITEM 763000 - INITIAL EXPENSE.

### SECTION 200

- THE CONTRACTOR SHALL MAKE EVERY EFFORT TO MINIMIZE DAMAGE TO ALL EXISTING TREES INCLUDING THOSE NOTED AS DO NOT DISTURB (DND) ON THE PLANS. ONLY TREES AND SHRUBS NOTED ON THE PLANS FOR REMOVAL MAY BE DISTURBED. THE CONTRACTOR SHALL CONTACT DELDOT'S ROADSIDE ENVIRONMENTAL ADMINISTRATOR, EUGENE "CHIP" R. ROSAN, JR. (302) 760-2185 AND/OR HIS DESIGNEE, AND THE CITY OF WILMINGTON'S URBAN FOREST ADMINISTRATOR, AMANDA TOLINO, (302) 576-2582 OR ATOLINO@WILMINGTONDE.GOV AT LEAST TWO (2) DAYS PRIOR TO EXCAVATION IN THE VICINITY OF THE TREE IN ORDER THAT THE CONDITION OF ANY OF THE ROOT SYSTEM EXPOSED DURING THE EXCAVATION MAY BE EXAMINED. IF THE TREE IS TO BE REMOVED, AS DETERMINED BY DELDOT'S ROADSIDE ENVIRONMENTAL SPECIALIST, REMOVAL SHALL BE PAID UNDER ITEM 201000 - CLEARING AND GRUBBING. ALL ROOTS IMPACTED BY CONSTRUCTION SHALL BE PRUNED TO CORRECT ANY SUBSTANTIAL DAMAGE IN ACCORDANCE WITH I.S.A. STANDARDS BY AN I.S.A. CERTIFIED ARBORIST. UPON COMPLETION OF ALL CONSTRUCTION IN THE IMMEDIATE AREA OF THE TREE, THE AREA SHALL BE RESTORED TO ITS ORIGINAL APPEARANCE. THIS WORK SHALL BE DIRECTED BY DELDOT'S ROADSIDE ENVIRONMENTAL ADMINISTRATOR AND SHALL BE PAID UNDER ITEM 201000 - CLEARING AND GRUBBING.
- IN AREAS WHERE TREES OR SHRUBS WILL BE OVERHANGING THE PROPOSED SIDEWALK, PRUNING MAY BE NECESSARY TO ACHIEVE A VERTICAL CLEAR SPACE OF 10 FEET ABOVE THE PROPOSED SIDEWALK ELEVATION. THE CONTRACTOR SHALL PRUNE EXISTING TREE AND SHRUB BRANCHES THAT OVERHANG THE SIDEWALK IN ACCORDANCE WITH I.S.A. STANDARDS. THE CONTRACTOR SHALL NOTIFY DELDOT'S ROADSIDE ENVIRONMENTAL ADMINISTRATOR, EUGENE "CHIP" ROSAN, JR. (302) 760-2185 AND/OR HIS DESIGNEE, AND THE CITY OF WILMINGTON'S URBAN FOREST ADMINISTRATOR, AMANDA TOLINO, (302) 576-2582 OR ATOLINO@WILMINGTONDE.GOV, AT LEAST TWO (2) DAYS PRIOR TO THE PRUNING OPERATION. ANY TOOL USED FOR PRUNING TREES SHALL BE CLEANED AND DISINFECTED PRIOR TO ITS USE ON ANOTHER TREE TO PREVENT THE SPREAD OF DISEASE. ALL COSTS ASSOCIATED WITH THE ABOVE WORK SHALL BE INCIDENTAL TO ITEM 201000 - CLEARING AND GRUBBING.
- THE ENGINEER MAY REQUIRE THE CONTRACTOR TO EXCAVATE TEST PITS AT POINTS OF POSSIBLE UTILITY CONFLICTS, TO DETERMINE IF A CONFLICT EXISTS. ANY CONFLICTS SHALL BE COORDINATED BY THE CONTRACTOR, WITH THE ENGINEER AND THE UTILITY COMPANY INVOLVED. THE ENGINEER SHALL ULTIMATELY DETERMINE THE SOLUTION TO THE UTILITY CONFLICT. TEST HOLES SHALL BE MEASURED AND PAID FOR IN ACCORDANCE WITH ITEM 202000 - EXCAVATION AND EMBANKMENT, BUT ONLY TO THE ACTUAL DEPTH EXCAVATED.
- THE CONTRACTOR SHALL REMOVE AND RESET ALL EXISTING BENCHES AND TRASH CANS WITHIN THE LIMITS OF CONSTRUCTION. THE REMOVAL AND STORAGE OF EXISTING SITE AMENITIES IS INCIDENTAL TO ITEM 201000 - CLEARING AND GRUBBING. SEE LANDSCAPE PLANS FOR INSTALLATION DETAILS.
- ITEMS TO BE REMOVED UNDER ITEM 211000 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:  
- EXISTING IRRIGATION SYSTEM AND ASSOCIATED COMPONENTS
- 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.
- 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.
- REMOVAL OF EXISTING ASPHALT PAVERS AND AGGREGATE SUBBASE SHALL BE PAID FOR UNDER ITEM 758000 - REMOVAL OF EXISTING P.C.C. PAVEMENT, CURB, SIDEWALK, ETC.
- THE COST OF ALL WATERING FOR PROPOSED LANDSCAPING WILL BE CONSIDERED INCIDENTAL TO ITEM 737523 - PLANTING. FINAL PAYMENT FOR PLANTING ITEM WILL NOT BE MADE UNTIL AFTER WATERING HAS BEEN COMPLETED.
- DURING CONCRETE PLACEMENT, ALL ADJOINING SURFACES SHALL BE PROTECTED WITH PLASTIC SHEETING OR APPROVED EQUAL. ALL COSTS ASSOCIATED WITH PROTECTING ADJOINING SURFACES SHALL BE INCIDENTAL TO THE RESPECTIVE CONCRETE ITEM.

### SECTION 700 (cont.)

- THE CONTRACTOR SHALL INSTALL AND REMOVE ALL REGULATORY, WARNING, AND SPECIAL SIGNS AND POSTS WITHIN CONTRACT LIMITS UNLESS OTHERWISE NOTED. DELDOT TO FURNISH ALL REGULATORY, WARNING, AND SPECIAL SIGNS AND POSTS TO CONTRACTOR FOR INSTALLATION. FOR COORDINATION AND PICK UP OF SIGNS AND POSTS THE CONTRACTOR SHALL CONTACT DELDOT'S TRANSPORTATION SYSTEM SPECIALIST AT 302-760-2581. THE CONTRACTOR SHALL ALLOW FOUR (4) WEEKS FOR THE DELIVERY OF SIGNS.
- THE COST OF CONSTRUCTING THE PROPOSED SIDEWALK SURFACE PATTERNS SHALL BE INCIDENTAL TO ITEM 705002 - PCC SIDEWALK, 6". SEE DT-03 FOR ADDITIONAL DETAILS.



**PROJECT NOTES**

**MISCELLANEOUS**

16. 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.
17. THE CONTRACTOR MUST CONTACT THE DELAWARE TRANSIT CORPORATION'S (DTC) DEVELOPMENT SECTION, DAVID DOOLEY, (302) 576-6064 AND THE FACILITIES COORDINATOR, VINCENT DAMANI, (302) 576-6094 A MINIMUM OF THREE WEEKS PRIOR TO ANY BUS STOP CLOSURES. ANY NON ACCESSIBLE BUS STOPS THAT MUST BE CLOSED TO FACILITATE CONSTRUCTION MUST HAVE A "BUS STOP CLOSED/RELOCATED NOTICE" POSTED AT THE AFFECTED BUS STOP SIGN/BOARDING LOCATION A MINIMUM OF ONE WEEK PRIOR TO CLOSURES. ALL NOTICES MUST SPECIFY THE EFFECTIVE DATE AND BRIEF INSTRUCTIONS OR DIRECTIONS TO TEMPORARY PASSENGER BOARDING AREAS. RELOCATED BUS STOP LOCATIONS MUST HAVE A BUS STOP SIGN WITH BUS ROUTING DECALS AT EACH LOCATION.
18. THE CONTRACTOR SHALL SALVAGE ANY GRANITE OR STONE CURB AND PAVERS WITHIN THE LIMITS OF CONSTRUCTION AND TRANSPORT SAID SALVAGED ITEMS TO THE CITY OF WILMINGTON'S DEPARTMENT OF PUBLIC WORKS CITY YARD ON CHRISTIANA AVENUE OR A LOCATION DESIGNATED BY THE ENGINEER WITHIN FIVE (5) MILES OF THE PROJECT. CONTACT DAVE BLANKENSHIP, P.E., DIRECTOR OF TRANSPORTATION (302) 576-3084 TO COORDINATE DELIVERIES.THE SALVAGING,STOCKPILING, LOADING, TRANSPORTING, UNLOADING,AND ANY OTHER WORK ASSOCIATED WITH THE SALVAGING OPERATIONS SHALL BE INCIDENTAL TO ITEM 202000 - EXCAVATION AND EMBANKMENT. EXISTING GRANITE CURB MAY BE ENCASED IN CONCRETE AND THERE WILL BE NO ADDITIONAL PAYMENT FOR REMOVAL OF THIS ENCASED MATERIAL.
19. PRIOR TO THE CONSTRUCTION OF THE PROJECT AND WITHIN 20 DAYS OF EXECUTION OF THE CONTRACT, A VIDEO SHALL BE TAKEN OF THE SITE BY THE CONTRACTOR AND COPY (DVD) GIVEN TO THE DELDOT PROJECT ENGINEER. THE VIDEO SHALL CLEARLY SHOW THE PRECONSTRUCTION CONDITIONS OF THE WORKSITE AND ADJOINING AREAS. AS PART OF THAT EFFORT, THE CONTRACTOR MAY ALSO UNDERTAKE FIELD MEASUREMENTS AND RECORD EXISTING CONDITIONS FOR DESIGN DETAILS AND ANY CONTRASTING SPECIFICATIONS. IF UNFORSEEN DAMAGE OCCURS TO ANY ABOVE ELEMENTS REPRESENTING THE RODNEY SQUARE HISTORIC DISTRICT, AS A DIRECT RESULT OF THE UNDERTAKING, DELDOT'S ENVIRONMENTAL STUDIES PERSONNEL WILL BE CONTACTED PRIOR TO IMPLEMENTATION TO ENSURE THAT PROPOSED REPAIRS WILL MEET THE SECRETARY OF THE INTERIOR STANDARDS FOR REHABILITATION AND/OR TREATMENT OF HISTORIC PROPERTIES. ANY REPAIR MEASURES WILL AVOID AND MINIMIZE POTENTIAL ADVERSE EFFECTS AS DETERMINED BY DELDOT, SHPO, AND FHWA. THE CITY'S PRESERVATION PLANNER WILL BE CONSULTED FOR INPUT AS WELL. THE VIDEO WILL BE SUBJECT TO THE APPROVAL OF THE ENGINEER. THE COST OF THE VIDEO SHALL BE INCIDENTAL TO ITEM 763501 - CONSTRUCTION ENGINEERING.
20. THE CONTRACTOR MUST BE AWARE THAT THE PROJECT TAKES PLACE WITHIN THE RODNEY SQUARE HISTORIC DISTRICT (N05263). AS SUCH, NO FURTHER WORK SHOULD BE UNDERTAKEN OTHER THEN THE NECESSARY PLANS AND SCOPE, AS INDICATED. ANY PLAN MODIFICATION SIGNIFICANT IN NATURE OR NEW INFORMATION NOT INITIALLY KNOWN THAT ALTERS PLANS AND DESIGNS WILL BE COORDINATED WITH DISTRICT ENGINEER AND THE ENVIRONMENTAL STUDIES OFFICE (MICHAEL HAHN 302-760-2131; MICHAEL.C.HAHN@STATE.DE.US). IF NECESSARY, THEY WILL COORDINATE WITH THE DELAWARE STATE HISTORIC PRESERVATION OFFICE (SHPO), FEDERAL HIGHWAY ADMINISTRATION (FHWA), OR ANY OTHER INTERESTED PARTY SUCH AS THE CITY OF WILMINGTON BEFORE ANY ACTION IS IMPLEMENTED. PROPOSED OR NECESSARY MODIFICATIONS AND CHANGES WILL BE REVIEWED TO ENSURE PROPER TREATMENT AND CONSIDERATIONS TO HISTORIC PROPERTIES, PER SHPO, FHWA THE PROPERTY OWNERS), AND THE CONTRACTOR'S DIALOGUE.
21. 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 WORK SHALL BE INCIDENTAL TO ITEM 763501 - CONSTRUCTION ENGINEERING.
22. THE CONTRACTOR SHALL MARK THEIR NAME IN THE SIDEWALK. EITHER BY STAMPING OR BY IN LAYING AN APPROVED METAL PLATE. THE STAMPED LETTERS SHALL BE ONE AND ONE QUARTER INCH DEPTH. IF A METAL PLATE IS USED, THE TOP PLATE SHALL BE FLUSH WITH THE TOP OF THE SIDEWALK. THE CONTRACTORS NAME SHALL BE PLACED AT EACH END OF THE FINISHED SIDEWALK UP TO 100 FEET IN LENGTH. BEYOND THE 100 FEET LENGTH, THE CONTRACTOR'S NAME SHALL BE PLACED AT THE ENDS OF THE FINISHED SIDEWALK AND MIDDISTANT BETWEEN THE ENDS IN ACCORDANCE WITH THE WILMINGTON CODE OF ORDINANCES.
23. ALL EXISTING SECURITY EQUIPMENT OPERATED BY THE CITY AND DOWNTOWN VISIONS SHALL REMAIN IN OPERATION DURING ALL PHASES OF CONSTRUCTION. IF INTERRUPTION OF SERVICES IS ANTICIPATED, THE CONTRACTOR MUST COORDINATE WITH DOWNTOWN VISIONS A MINIMUM OF 48 HOURS PRIOR TO DISTURBANCE, CONTACT MICHAEL MAGGITT, DIRECTOR OF SAFETY, DOWNTOWN VISIONS, 302-425.5371.
24. THERE ARE NO ENVIRONMENTAL PERMITS ASSOCIATED WITH THIS PROJECT. AS SUCH, AN ENVIRONMENTAL COMPLIANCE SHEET WAS NOT PREPARED.
25. THE CONTRACTOR WILL BE REQUIRED TO COORDINATE HIS WORK WITH ANY CONSTRUCTION ACTIVITY BY UTILITY COMPANIES, OR ADJACENT CONSTRUCTION CONTRACTS.
26. TO PROVIDE A CLEAN JOINT AT THE LOCATION WHERE THE PROPOSED PCC SIDEWALK MEETS THE EXISTING ASPHALT PAVERS, THE CONTRACTOR SHALL REMOVE AND RESET THE EXISTING ASPHALT PAVER AS DIRECTED BY THE ENGINEER. ALL WORK ASSOCIATED WITH REMOVING AND RESETTING THE ASPHALT PAVERS TO INSTALL THE PCC SIDEWALK FORMS WILL BE INCIDENTAL TO ITEM 705002 - PCC SIDEWALK, 6". ANY DAMAGE TO THE EXISTING PAVERS AS A RESULT OF THIS WORK WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL DAMAGED PAVERS SHALL BE REPLACED IN-KIND AT THE CONTRACTOR'S EXPENSE.
27. THE INTENT OF THE I.C.E. WITHIN THE INTERIOR PERIMETER OF THE SQUARE IS TO PROVIDE THE CONTRACTOR ACCESS FOR ELECTRICAL IMPROVEMENTS ONLY. UNDER NO CIRCUMSTANCE SHALL THE CONTRACTOR SHALL USE THIS AREA FOR ANY OTHER USE OR FOR STORAGE AND STAGING ACTIVITIES.
28. FOR ACCESS TO THE EXISTING UTILITY BUILDING THE CONTRACTOR SHALL CONTACT THE CITY OF WILMINGTON'S PARKS & RECREATION PROJECT MANAGER, STANLEY W. KOZICKI (302) 576-3814, AND/OR HIS DESIGNEE.
29. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH THE CITY OF WILMINGTON'S MARKETING AND SPECIAL EVENTS COORDINATOR TANYA V. PHILLIPS. SHE CAN BE REACHED BY PHONE AT 302-576-2139. NO WORK SHALL BE PERFORMED FROM JUNE 17, 2012 THRU JUNE 24, 2012 DUE TO THE ANNUAL DUPONT CLIFFORD BROWN JAZZ FESTIVAL.

OFFICIAL  
BUS SITE COPY

No: 21678-004.0400.PN02.RODIN.dgn  
9/22/2011 11:22:58 AM



ADDENDUMS / REVISIONS

NOT TO SCALE

RODNEY SQUARE  
BEAUTIFICATION, PHASE 1

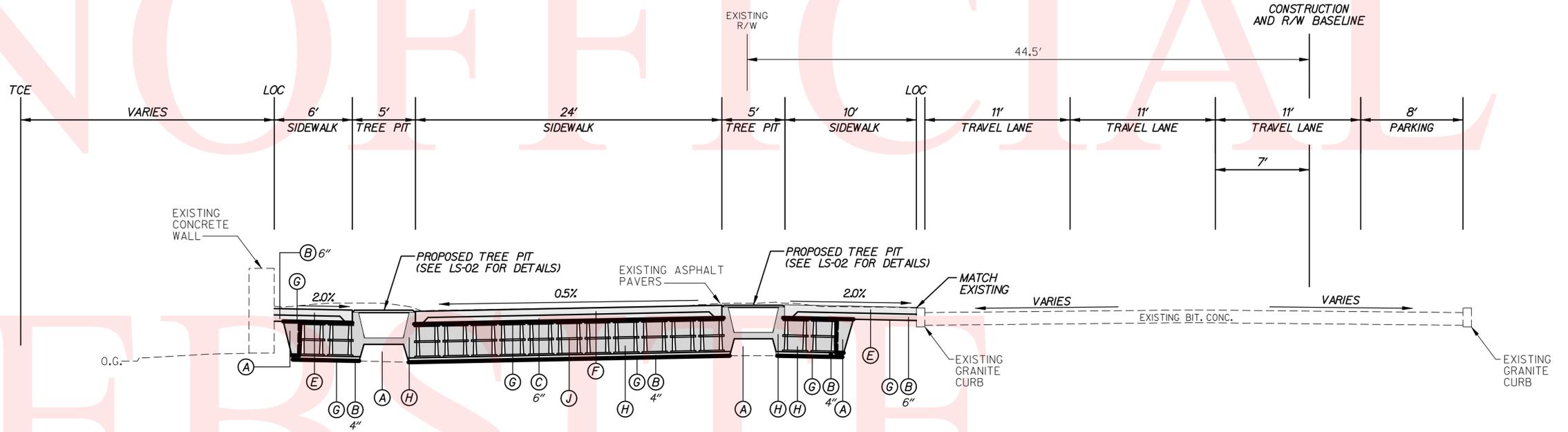
CONTRACT	BRIDGE NO.	N/A
T200820013	DESIGNED BY: M.J.C.	
COUNTY	CHECKED BY: T.A.O.	
NEW CASTLE		

NOTES

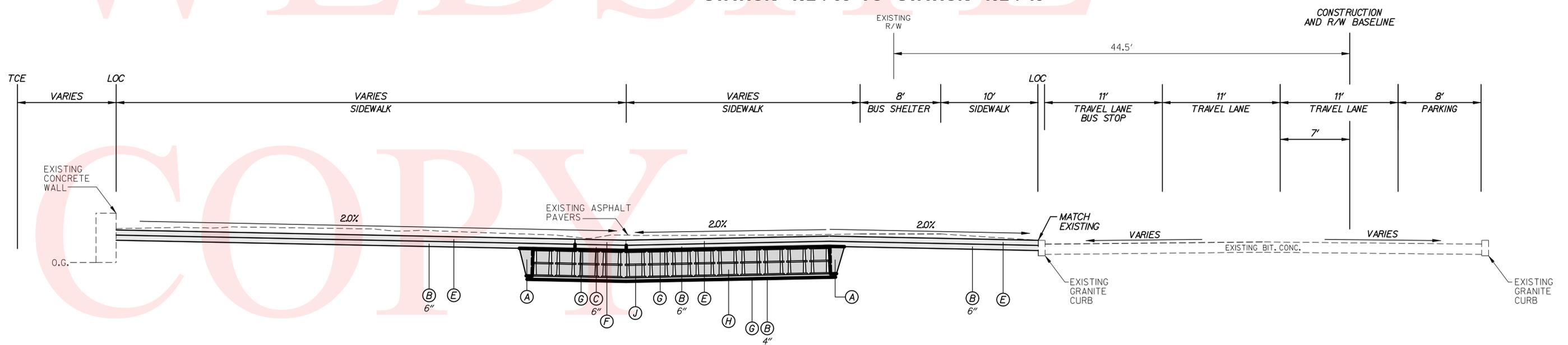
<b>PN-02</b>
SHEET NO.
5
TOTAL SHTS.
42

**LEGEND**

- (A) ITEM 209006 - BORROW, TYPE F
- (B) ITEM 302007 - GRADED AGGREGATE BASE COURSE, TYPE B
- (C) ITEM 302012 - DEL. NO. 57 STONE
- (D) ITEM 701502 - STONE CURB
- (E) ITEM 705002 - P.C.C. SIDEWALK, 6" DEPTH
- (F) ITEM 705531 - PERVIOUS CONCRETE SIDEWALK, 6" DEPTH (SEE DT-02)
- (G) ITEM 713002 - GEOTEXTILE, SEPARATION
- (H) ITEM 737529 - PLANTING SOIL
- (J) ITEM 737530 - STRUCTURAL CELLS (SEE DT-02)



**10TH STREET**  
**STATION 101+42 TO STATION 101+85**  
**STATION 102+05 TO STATION 102+43**

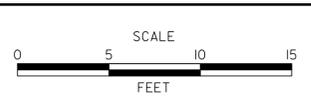


**10TH STREET**  
**STATION 101+15 TO STATION 101+42**  
**STATION 102+43 TO STATION 102+70**

No. 221678-004, 15400, 1501, RODN.dgn  
 9/22/2011 11:53:00 AM



ADDENDUMS / REVISIONS	



**RODNEY SQUARE  
 BEAUTIFICATION, PHASE 1**

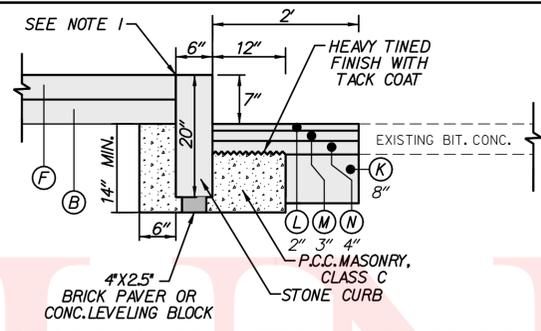
CONTRACT T200820013	BRIDGE NO. N/A
COUNTY NEW CASTLE	DESIGNED BY: M.J.C. CHECKED BY: T.A.O.

<b>TYPICAL SECTIONS</b>	SHEET NO. 6
	TOTAL SHTS. 42

<b>TS-01</b>
--------------

**LEGEND**

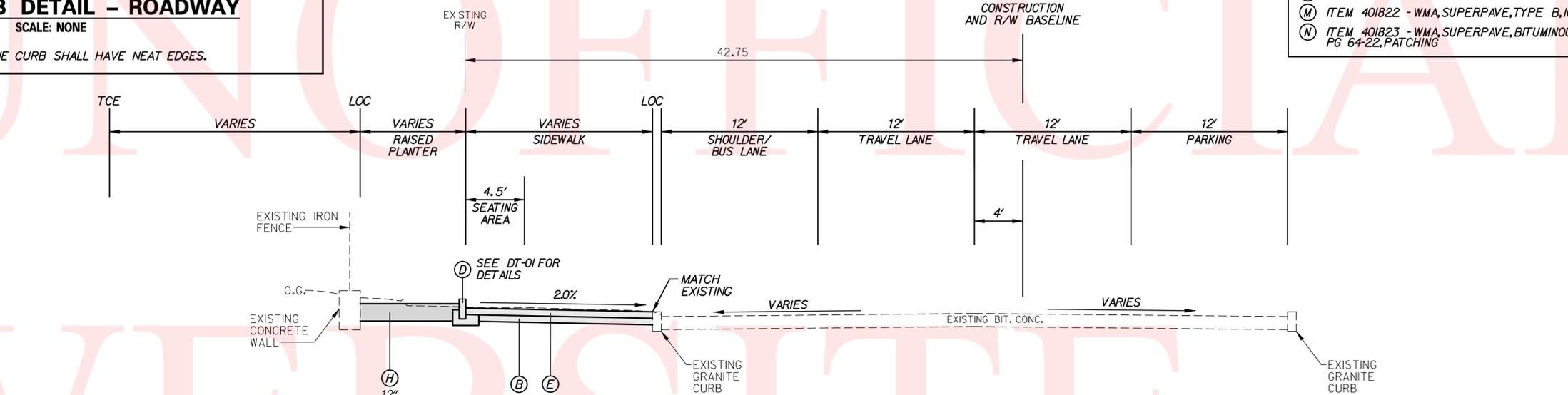
- (A) ITEM 209006 - BORROW, TYPE F
- (B) ITEM 302007 - GRADED AGGREGATE BASE COURSE, TYPE B
- (C) ITEM 302012 - DEL. NO. 57 STONE
- (D) ITEM 701502 - STONE CURB
- (E) ITEM 705002 - P.C.C. SIDEWALK, 6" DEPTH
- (F) ITEM 705531 - PERVIOUS CONCRETE SIDEWALK, 6" DEPTH (SEE DT-02)
- (G) ITEM 713002 - GEOTEXTILE, SEPARATION
- (H) ITEM 737529 - PLANTING SOIL
- (J) ITEM 737530 - STRUCTURAL CELLS (SEE DT-02)
- (K) ITEM 302008 - GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING
- (L) ITEM 401821 - WMA, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 64-22, PATCHING
- (M) ITEM 401822 - WMA, SUPERPAVE, TYPE B, 160 GYRATIONS, PG 64-22, PATCHING
- (N) ITEM 401823 - WMA, SUPERPAVE, BITUMINOUS CONCRETE BASECOURSE, 160 GYRATIONS, PG 64-22, PATCHING



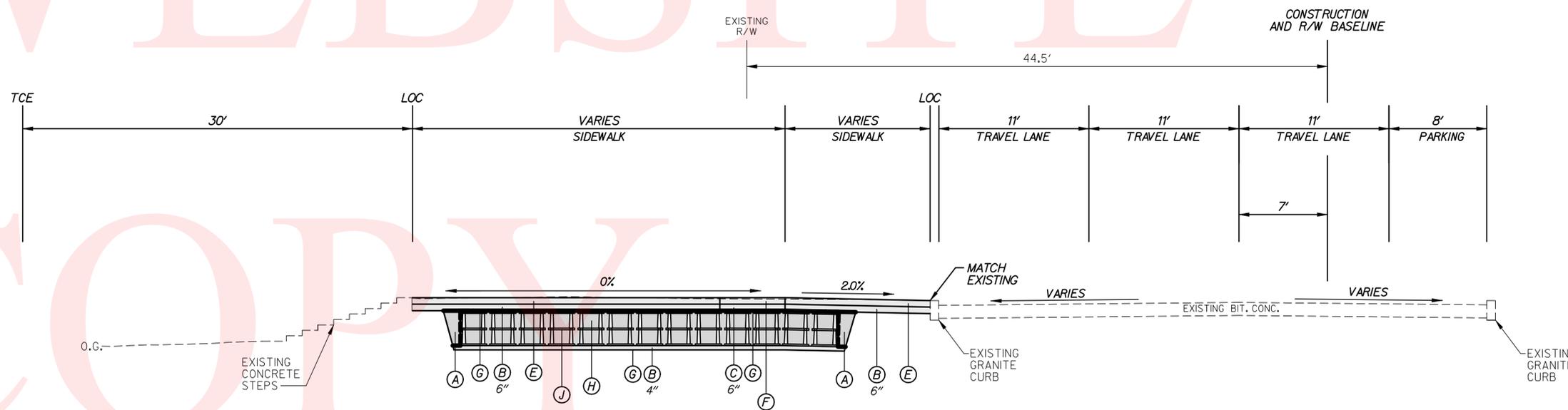
**STONE CURB DETAIL - ROADWAY**

SCALE: NONE

NOTE:  
1. SIDES OF STONE CURB SHALL HAVE NEAT EDGES.



**KING STREET  
STATION 200+82 TO STATION 202+98**



**10TH STREET  
STATION 101+85 TO STATION 102+05**

No. 21678-004, S440, T502, R000.dgn  
9/22/2011 11:53:53 AM



ADDENDUMS / REVISIONS	



**RODNEY SQUARE  
BEAUTIFICATION, PHASE 1**

CONTRACT T200820013	BRIDGE NO. 	N/A
COUNTY NEW CASTLE	DESIGNED BY: M.J.C.	
	CHECKED BY: T.A.O.	

**TYPICAL SECTIONS**

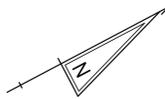
TS-02
SHEET NO. 7
TOTAL SHTS. 42

POB 100+00.00

TP\*103  
MAG NAIL

10000

CONSTRUCTION BASELINE



DATUM REFERENCE:  
HORIZONTAL - THIS PROJECT IS REFERENCED TO THE DELAWARE STATE  
PLANE COORDINATE SYSTEM (NAD 83/91).  
VERTICAL - THIS PROJECT IS REFERENCED TO NAVD 88, BASED ON THE FOLLOWING  
STATE OF DELAWARE BENCHMARKS:

JU4112 - ELEV. 207.0859 FEET  
JU4141 - ELEV. 197.4583 FEET

**HORIZONTAL / VERTICAL CONTROL DATA**

POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
2	203+42.65	27.82' RT	619716.5978	635937.6279	89.14'
102	103+55.71	20.59' RT	619548.5225	635615.5216	94.13'
103	100+26.01	15.26' RT	619259.7807	635774.7619	102.89'

**CONSTRUCTION ALIGNMENT CONTROL**

**10TH STREET**

POINT	STATION	OFFSET	NORTHING	EASTING
10000	100+00.00	0.00'	635800.4355	619243.9557
10001	103+75.00	0.00'	635624.6728	619575.2147
10002	103+26.23	0.00'	635647.5298	619532.1363

**CONSTRUCTION ALIGNMENT CONTROL**

**KING STREET**

POINT	STATION	OFFSET	NORTHING	EASTING
10002	200+00.00	0+00'	635647.5298	619532.1363
10003	203+79.68	0+00'	635983.3627	619709.2688

10TH STREET

S62°03'00.12"E  
102+00

103+00

10002

POB 200+00.00 KING STREET =  
STA. 103+26.23 10TH STREET

200+00

TP\*102  
MAG NAIL

10001

POE 103+75.00

103+75

N27°48'32.63"E  
202+00

KING STREET

CONSTRUCTION BASELINE

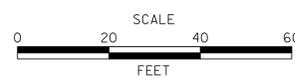
203+00

POE 203+79.68

10003

TP\*2  
MAG NAIL

ADDENDUMS / REVISIONS



**RODNEY SQUARE  
BEAUTIFICATION, PHASE 1**

CONTRACT	BRIDGE NO.	N/A
T200820013	DESIGNED BY:	M.J.C.
COUNTY	CHECKED BY:	T.A.O.
NEW CASTLE		

**HORIZONTAL AND  
VERTICAL CONTROL**

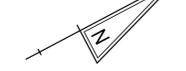
HV-01

SHEET NO.	8
TOTAL SHTS.	42

No. 21678-004.5400 HW1 RODN.dgn  
9/22/2011 11:53:58 AM

**DELAWARE  
DEPARTMENT OF TRANSPORTATION**

26-035.20-039  
E.I. DUPONT DENEMOURS AND COMPANY  
INSTR#: 20030828-0105475

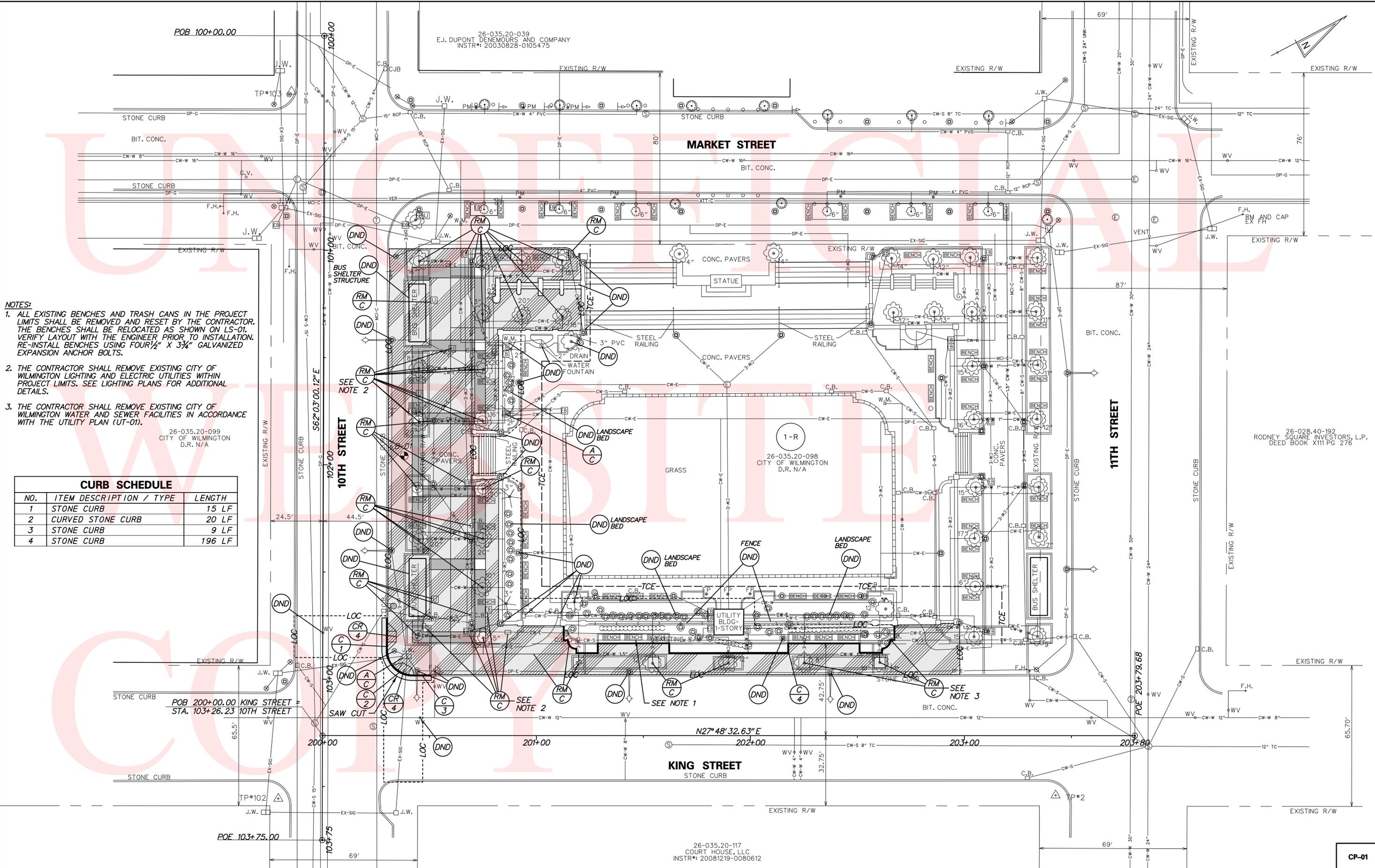


- NOTES:**
1. ALL EXISTING BENCHES AND TRASH CANS IN THE PROJECT LIMITS SHALL BE REMOVED AND RESET BY THE CONTRACTOR. THE BENCHES SHALL BE RELOCATED AS SHOWN ON LS-01. VERIFY LAYOUT WITH THE ENGINEER PRIOR TO INSTALLATION. RE-INSTALL BENCHES USING FOUR 1/2" X 3/4" GALVANIZED EXPANSION ANCHOR BOLTS.
  2. THE CONTRACTOR SHALL REMOVE EXISTING CITY OF WILMINGTON LIGHTING AND ELECTRIC UTILITIES WITHIN PROJECT LIMITS. SEE LIGHTING PLANS FOR ADDITIONAL DETAILS.
  3. THE CONTRACTOR SHALL REMOVE EXISTING CITY OF WILMINGTON WATER AND SEWER FACILITIES IN ACCORDANCE WITH THE UTILITY PLAN (UT-01).

26-035.20-099  
CITY OF WILMINGTON  
D.R. N/A

26-028.40-192  
RODNEY SQUARE INVESTORS, L.P.  
DEED BOOK X111 PG 276

CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
1	STONE CURB	15 LF
2	CURVED STONE CURB	20 LF
3	STONE CURB	9 LF
4	STONE CURB	196 LF



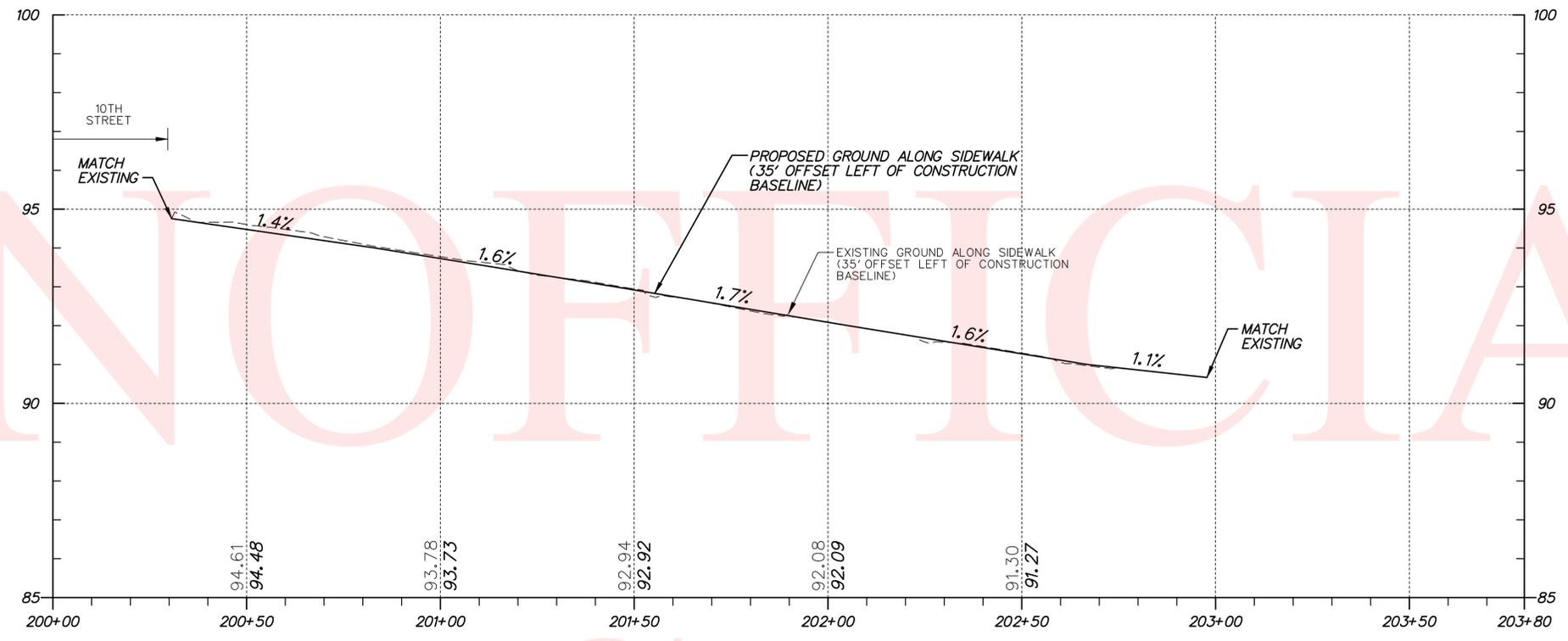
No. 21678-004.5400 CP01.LROD.dgn  
 9/22/2011 11:53:53 AM

CP-01

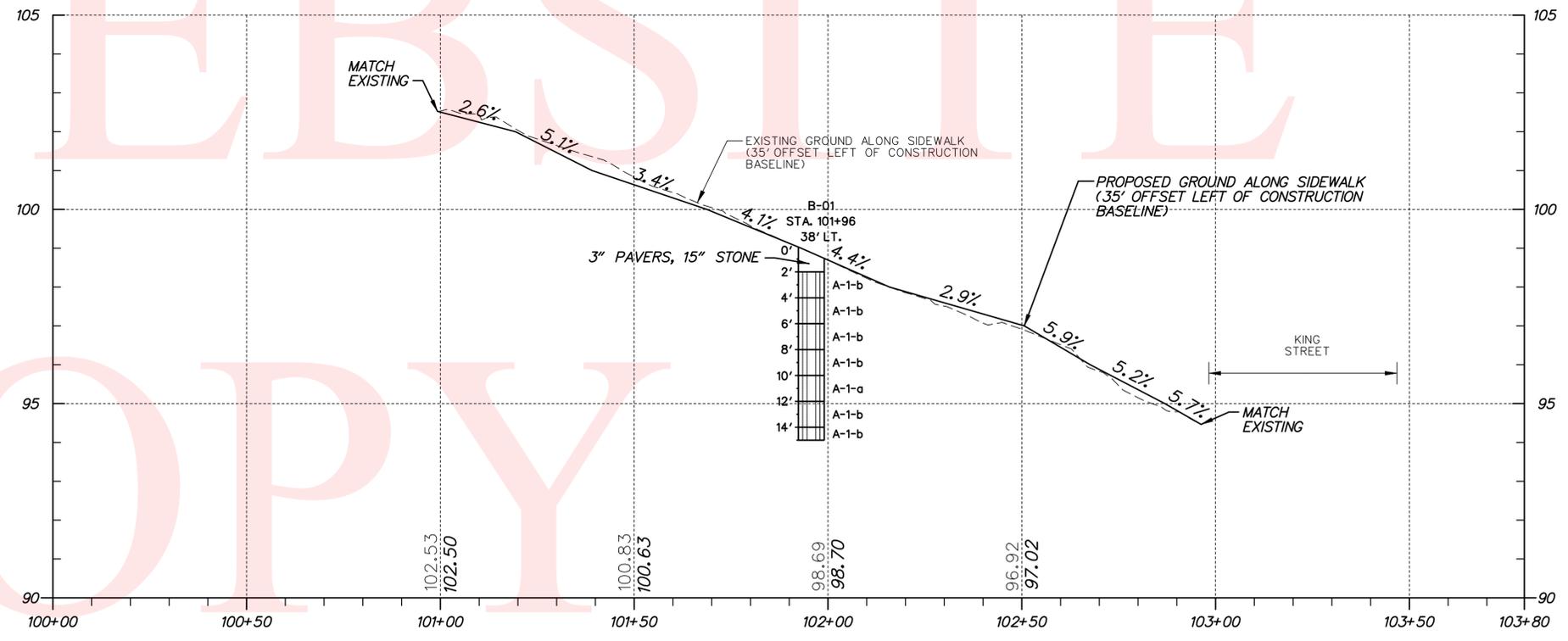
UNOFFICIAL

WEBSITE

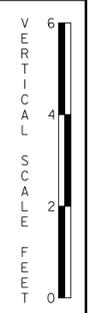
COPY



KING STREET



10TH STREET



No. 21678-004.000.DWG PF-01.ROD.dgn 9/22/2011 11:58:53 AM



ADDENDUMS / REVISIONS	



**RODNEY SQUARE  
BEAUTIFICATION, PHASE 1**

CONTRACT T200820013	BRIDGE NO. N/A
COUNTY NEW CASTLE	DESIGNED BY: M.J.C. CHECKED BY: T.A.O.

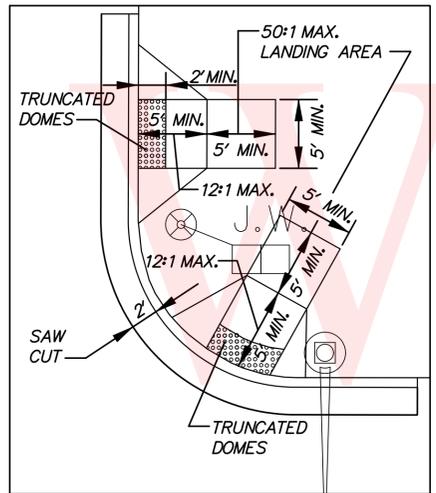
**PROFILES**

SHEET NO. 10
TOTAL SHTS. 42

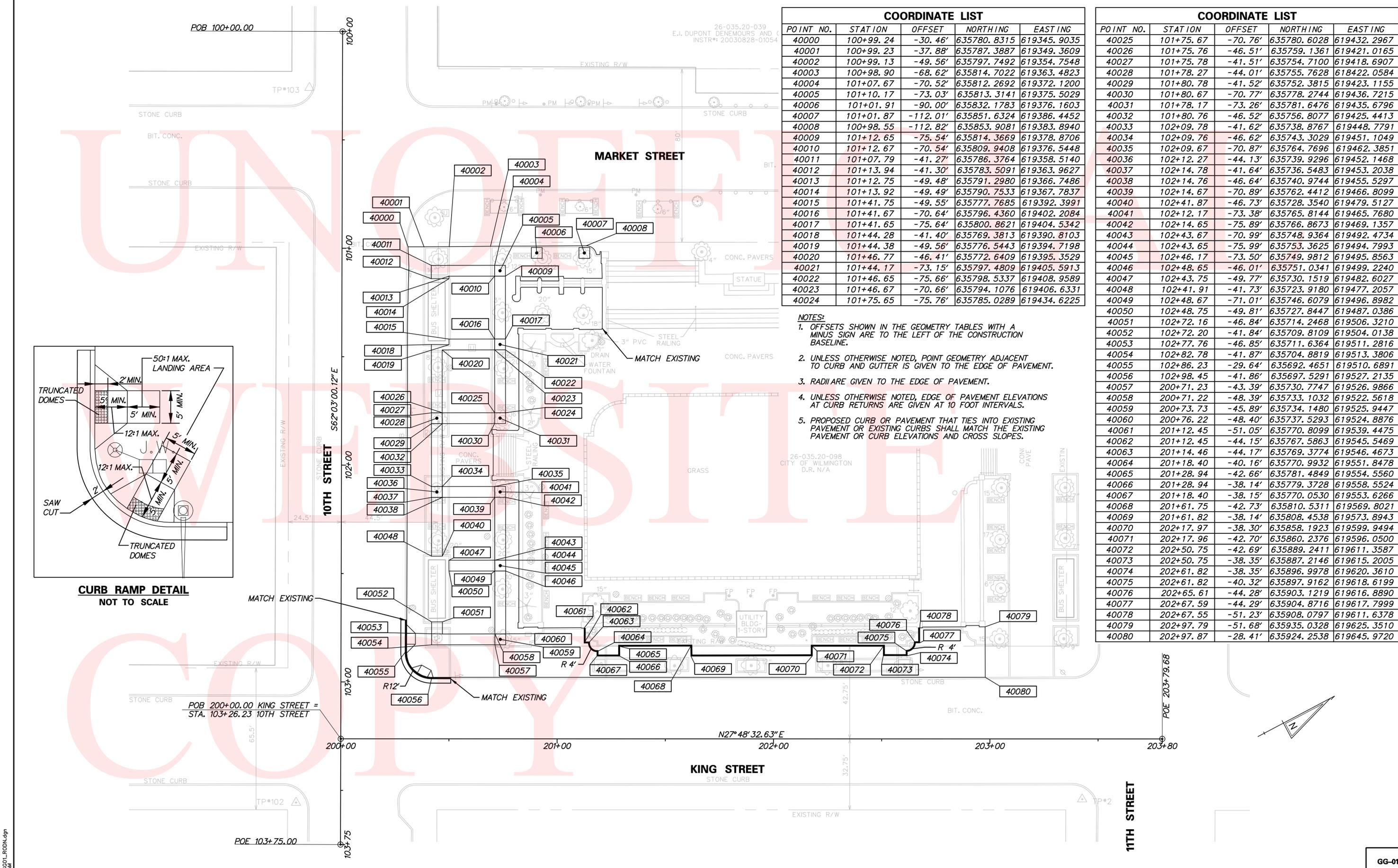
COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
40000	100+99.24	-30.46'	635780.8315	619345.9035
40001	100+99.23	-37.88'	635787.3887	619349.3609
40002	100+99.13	-49.56'	635797.7492	619354.7548
40003	100+98.90	-68.62'	635814.7022	619363.4823
40004	101+07.67	-70.52'	635812.2692	619372.1200
40005	101+10.17	-73.03'	635813.3141	619375.5029
40006	101+01.91	-90.00'	635832.1783	619376.1603
40007	101+01.87	-112.01'	635851.6324	619386.4452
40008	100+98.55	-112.82'	635853.9081	619383.8940
40009	101+12.65	-75.54'	635814.3669	619378.8706
40010	101+12.67	-70.54'	635809.9408	619376.5448
40011	101+07.79	-41.27'	635786.3764	619358.5140
40012	101+13.94	-41.30'	635783.5091	619363.9627
40013	101+12.75	-49.48'	635791.2980	619366.7486
40014	101+13.92	-49.49'	635790.7533	619367.7837
40015	101+41.75	-49.55'	635777.7685	619392.3991
40016	101+41.67	-70.64'	635796.4360	619402.2084
40017	101+41.65	-75.64'	635800.8621	619404.5342
40018	101+44.28	-41.40'	635769.3813	619390.8103
40019	101+44.38	-49.56'	635776.5443	619394.7198
40020	101+46.77	-46.41'	635772.6409	619395.3529
40021	101+44.17	-73.15'	635797.4809	619405.5913
40022	101+46.65	-75.66'	635798.5337	619408.9589
40023	101+46.67	-70.66'	635794.1076	619406.6331
40024	101+75.65	-75.76'	635785.0289	619434.6225

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
40025	101+75.67	-70.76'	635780.6028	619432.2967
40026	101+75.76	-46.51'	635759.1361	619421.0165
40027	101+75.78	-41.51'	635754.7100	619418.6907
40028	101+78.27	-44.01'	635755.7628	618422.0584
40029	101+80.78	-41.52'	635752.3815	619423.1155
40030	101+80.67	-70.77'	635778.2744	619436.7215
40031	101+78.17	-73.26'	635781.6476	619435.6796
40032	101+80.76	-46.52'	635756.8077	619425.4413
40033	102+09.78	-41.62'	635738.8767	619448.7791
40034	102+09.76	-46.62'	635743.3029	619451.1049
40035	102+09.67	-70.87'	635764.7696	619462.3851
40036	102+12.27	-44.13'	635739.9296	619452.1468
40037	102+14.78	-41.64'	635736.5483	619453.2038
40038	102+14.76	-46.64'	635740.9744	619455.5297
40039	102+14.67	-70.89'	635762.4412	619466.8099
40040	102+41.87	-46.73'	635728.3540	619479.5127
40041	102+12.17	-73.38'	635765.8144	619465.7680
40042	102+14.65	-75.89'	635766.8673	619469.1357
40043	102+43.67	-70.99'	635748.9364	619492.4734
40044	102+43.65	-75.99'	635753.3625	619494.7993
40045	102+46.17	-73.50'	635749.9812	619495.8563
40046	102+48.65	-46.01'	635751.0341	619499.2240
40047	102+43.75	-49.77'	635730.1519	619482.6027
40048	102+41.91	-41.73'	635723.9180	619477.2057
40049	102+48.67	-71.01'	635746.6079	619496.8982
40050	102+48.75	-49.81'	635727.8447	619487.0386
40051	102+72.16	-46.84'	635714.2468	619506.3210
40052	102+72.20	-41.84'	635709.8109	619504.0138
40053	102+77.76	-46.85'	635711.6364	619511.2816
40054	102+82.78	-41.87'	635704.8819	619513.3806
40055	102+86.23	-29.64'	635692.4651	619510.6891
40056	102+98.45	-41.86'	635697.5291	619527.2135
40057	200+71.23	-43.39'	635730.7747	619526.9866
40058	200+71.22	-48.39'	635733.1032	619522.5618
40059	200+73.73	-45.89'	635734.1480	619525.9447
40060	200+76.22	-48.40'	635737.5293	619524.8876
40061	201+12.45	-51.05'	635770.8099	619539.4475
40062	201+12.45	-44.15'	635767.5863	619545.5469
40063	201+14.46	-44.17'	635769.3774	619546.4673
40064	201+18.40	-40.16'	635770.9932	619551.8478
40065	201+28.94	-42.66'	635781.4849	619554.5560
40066	201+28.94	-38.14'	635779.3728	619558.5524
40067	201+18.40	-38.15'	635770.0530	619553.6266
40068	201+61.75	-42.73'	635810.5311	619569.8021
40069	201+61.82	-38.14'	635808.4538	619573.8943
40070	202+17.97	-38.30'	635858.1923	619599.9494
40071	202+17.96	-42.70'	635860.2376	619596.0500
40072	202+50.75	-42.69'	635889.2411	619611.3587
40073	202+50.75	-38.35'	635887.2146	619615.2005
40074	202+61.82	-38.35'	635896.9978	619620.3610
40075	202+61.82	-40.32'	635897.9162	619618.6199
40076	202+65.61	-44.28'	635903.1219	619616.8890
40077	202+67.59	-44.29'	635904.8716	619617.7999
40078	202+67.55	-51.23'	635908.0797	619611.6378
40079	202+97.79	-51.68'	635935.0328	619625.3510
40080	202+97.87	-28.41'	635924.2538	619645.9720

- NOTES:**
1. OFFSETS SHOWN IN THE GEOMETRY TABLES WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION BASELINE.
  2. UNLESS OTHERWISE NOTED, POINT GEOMETRY ADJACENT TO CURB AND GUTTER IS GIVEN TO THE EDGE OF PAVEMENT.
  3. RADIARE GIVEN TO THE EDGE OF PAVEMENT.
  4. UNLESS OTHERWISE NOTED, EDGE OF PAVEMENT ELEVATIONS AT CURB RETURNS ARE GIVEN AT 10 FOOT INTERVALS.
  5. PROPOSED CURB OR PAVEMENT THAT TIES INTO EXISTING PAVEMENT OR EXISTING CURBS SHALL MATCH THE EXISTING PAVEMENT OR CURB ELEVATIONS AND CROSS SLOPES.

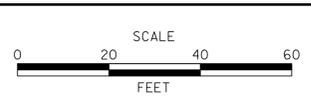


**CURB RAMP DETAIL**  
NOT TO SCALE



No. 221678-004, 005, 006, 007, 008, 009, 010, 011, 012, 013, 014, 015, 016, 017, 018, 019, 020, 021, 022, 023, 024, 025, 026, 027, 028, 029, 030, 031, 032, 033, 034, 035, 036, 037, 038, 039, 040, 041, 042, 043, 044, 045, 046, 047, 048, 049, 050, 051, 052, 053, 054, 055, 056, 057, 058, 059, 060, 061, 062, 063, 064, 065, 066, 067, 068, 069, 070, 071, 072, 073, 074, 075, 076, 077, 078, 079, 080, 081, 082, 083, 084, 085, 086, 087, 088, 089, 090, 091, 092, 093, 094, 095, 096, 097, 098, 099, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

ADDENDUMS / REVISIONS	



**RODNEY SQUARE**  
**BEAUTIFICATION, PHASE 1**

CONTRACT T200820013	BRIDGE NO. N/A
COUNTY NEW CASTLE	DESIGNED BY: M.J.C.
	CHECKED BY: T.A.O.

<b>GRADES AND GEOMETRICS</b>	
SHEET NO. 11	TOTAL SHTS. 42

GG-01

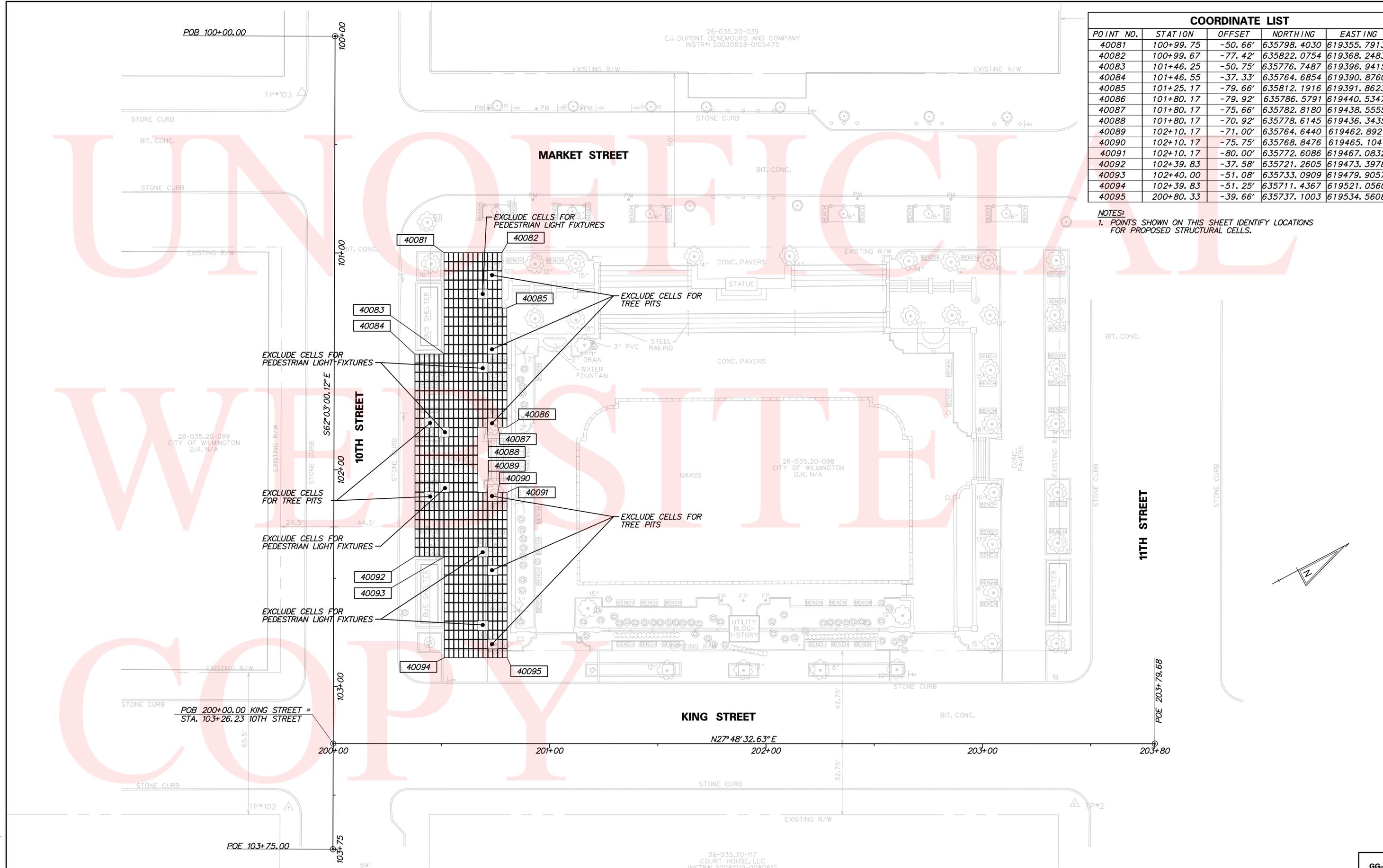
26-035.20-039  
E.I. DUPONT DENEMOURS AND COMPANY  
INSTR#: 20030828-0105475

POB 100+00.00

**COORDINATE LIST**

POINT NO.	STATION	OFFSET	NORTHING	EASTING
40081	100+99.75	-50.66'	635798.4030	619355.7913
40082	100+99.67	-77.42'	635822.0754	619368.2483
40083	101+46.25	-50.75'	635776.7487	619396.9415
40084	101+46.55	-37.33'	635764.6854	619390.8760
40085	101+25.17	-79.66'	635812.1916	619391.8623
40086	101+80.17	-79.92'	635786.5791	619440.5347
40087	101+80.17	-75.66'	635782.8180	619438.5555
40088	101+80.17	-70.92'	635778.6145	619436.3435
40089	102+10.17	-71.00'	635764.6440	619462.8921
40090	102+10.17	-75.75'	635768.8476	619465.1041
40091	102+10.17	-80.00'	635772.6086	619467.0832
40092	102+39.83	-37.58'	635721.2605	619473.3978
40093	102+40.00	-51.08'	635733.0909	619479.9057
40094	102+39.83	-51.25'	635711.4367	619521.0560
40095	200+80.33	-39.66'	635737.1003	619534.5608

NOTES:  
1. POINTS SHOWN ON THIS SHEET IDENTIFY LOCATIONS FOR PROPOSED STRUCTURAL CELLS.



26-035.20-099  
CITY OF WILMINGTON  
D.R. N/A

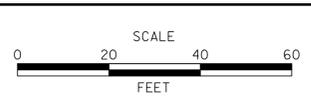
26-035.20-098  
CITY OF WILMINGTON  
D.R. N/A

26-035.20-117  
COURT HOUSE, LLC  
INSTR#: 20081219-0080612

No. 261678-004.5450.0002.0002.RODN.dgn  
P. 22/2011 11:27:30 AM



ADDENDUMS / REVISIONS	



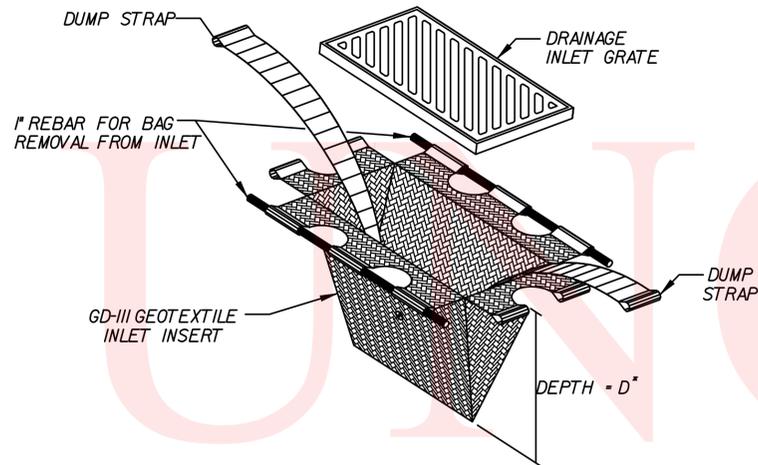
**RODNEY SQUARE  
BEAUTIFICATION, PHASE 1**

CONTRACT T200820013	BRIDGE NO. N/A
COUNTY NEW CASTLE	DESIGNED BY: M.J.C. CHECKED BY: T.A.O.

**GRADES AND GEOMETRICS**

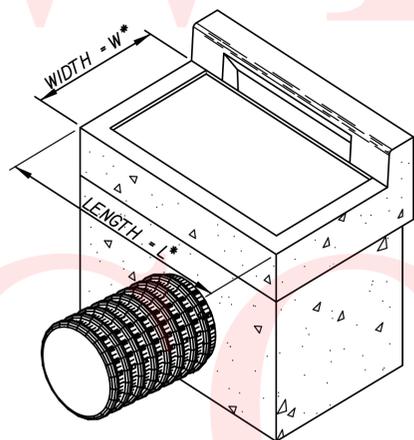
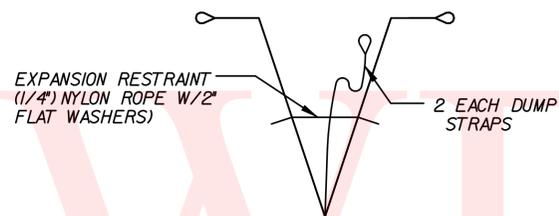
<b>GG-02</b>
SHEET NO. 12
TOTAL SHTS. 42





**BAG DETAIL (SIDE VIEW)**

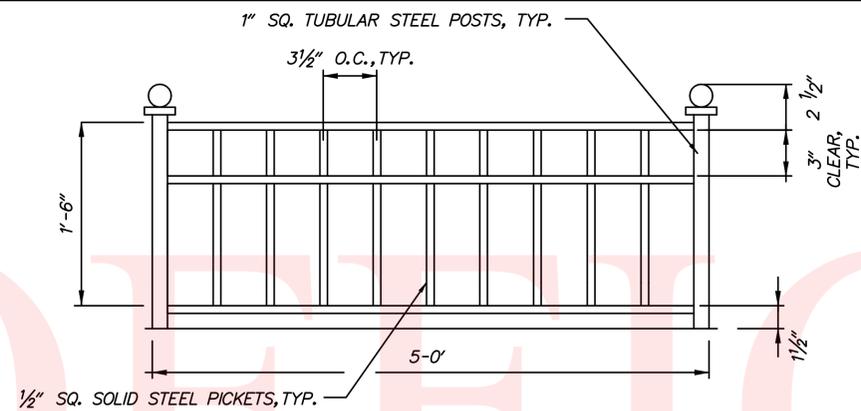
SCALE: NONE



\*L, W & D SHALL BE BASED ON INLET DIMENSIONS AS INDICATED ON THE PLANS.

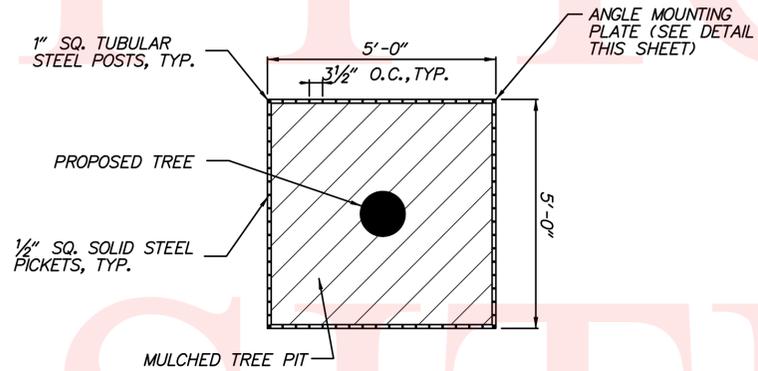
**INLET SEDIMENT CONTROL AT GRADE INLET - ITEM 252002**

SCALE: NONE



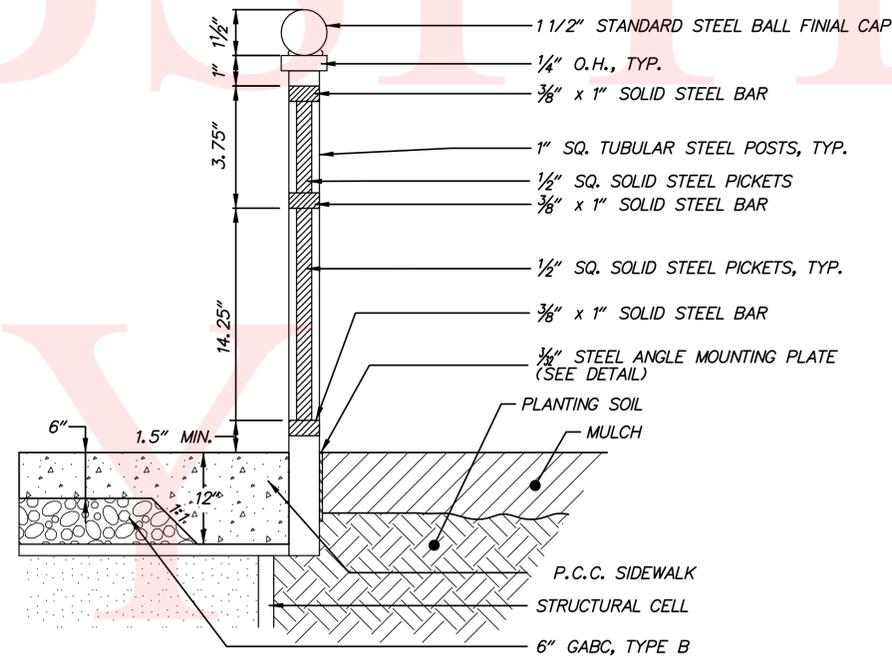
**TREE PIT FENCE ELEVATION**

SCALE: NONE



**TREE PIT FENCE PLAN VIEW (TYP.)**

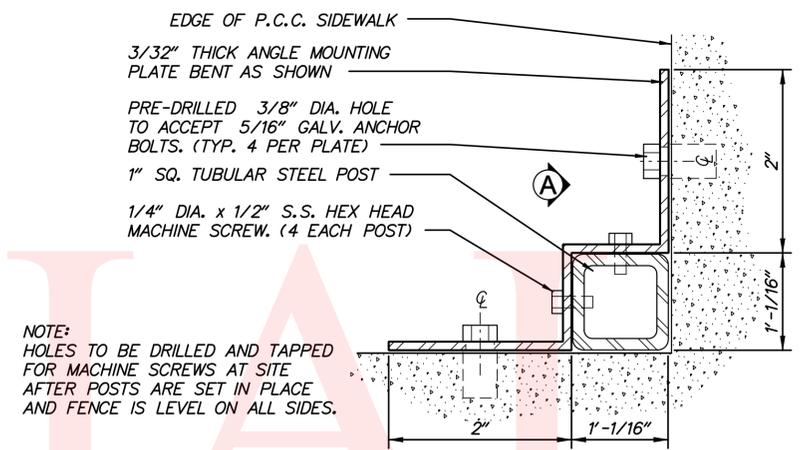
SCALE: NONE



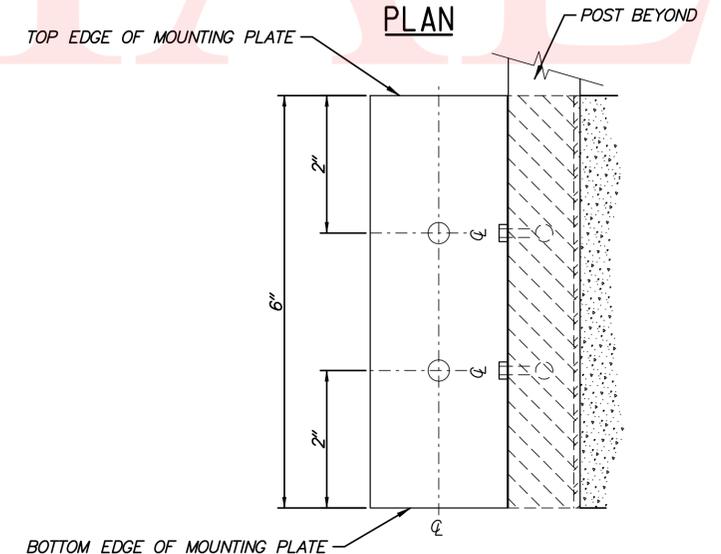
**TREE PIT FENCE SECTION**

SCALE: NONE

NOTE: ALL CONNECTIONS SHALL BE WELDED AND GROUNDED SMOOTH PRIOR TO FINISHING.

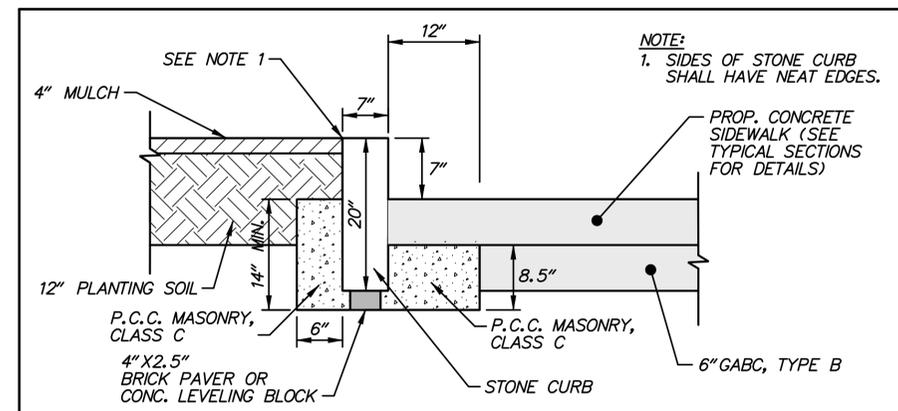


NOTE: HOLES TO BE DRILLED AND TAPPED FOR MACHINE SCREWS AT SITE AFTER POSTS ARE SET IN PLACE AND FENCE IS LEVEL ON ALL SIDES.



**TREE PIT ANGLE MOUNTING PLATE**

SCALE: NONE

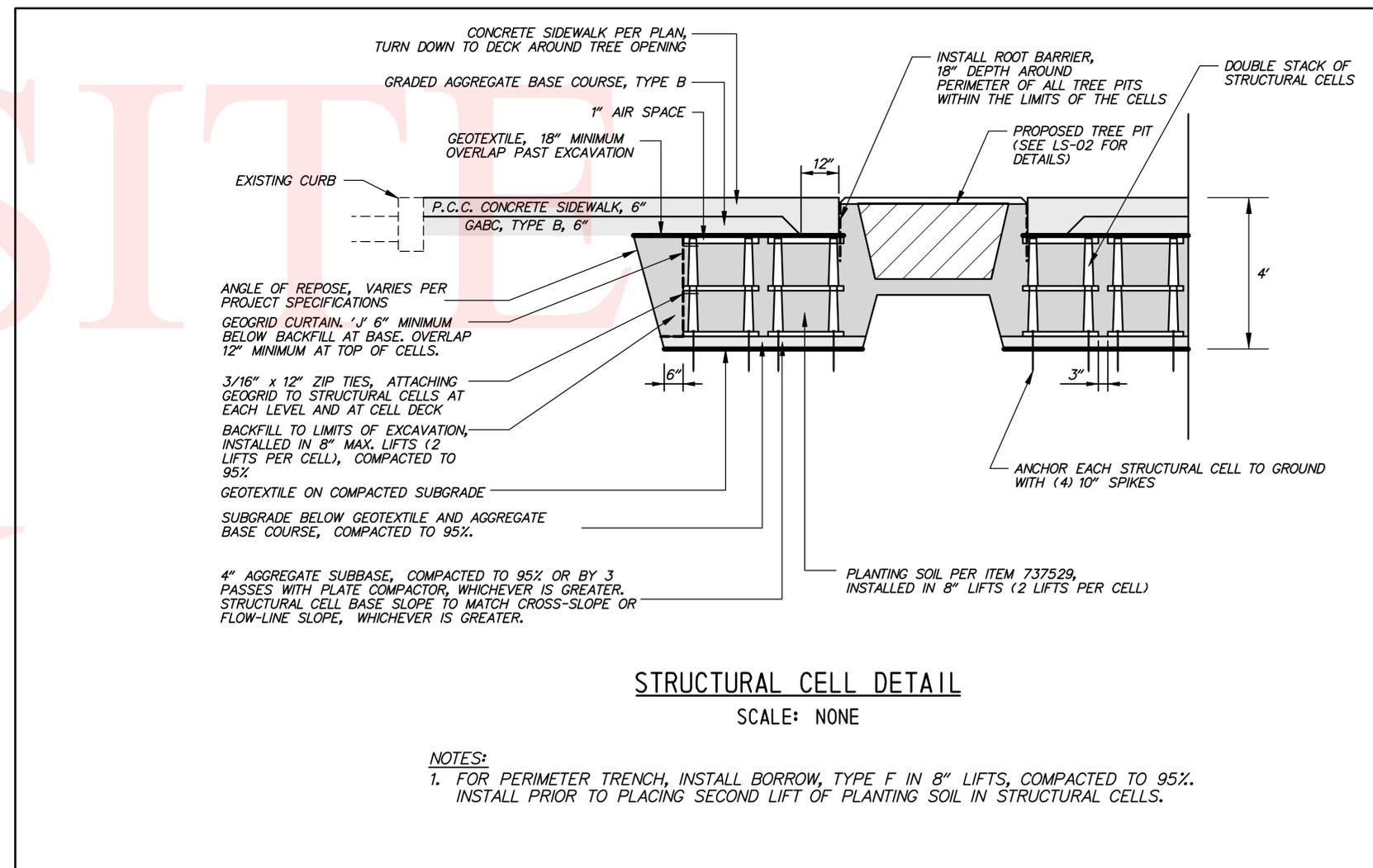
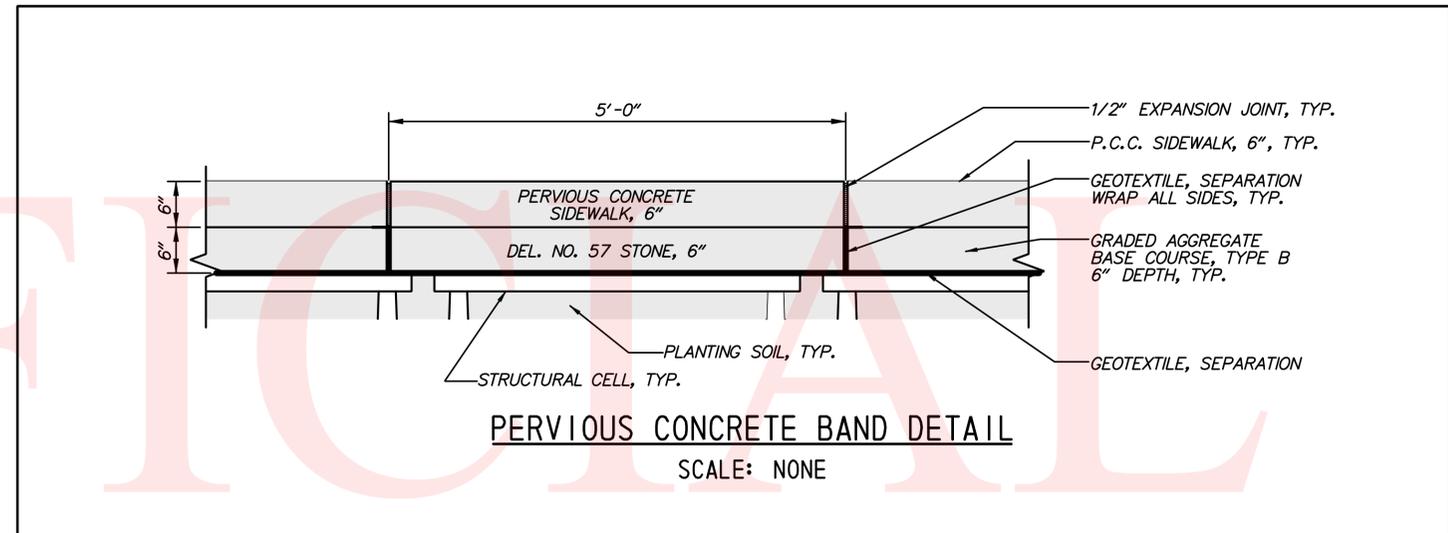


**STONE CURB DETAIL - PLANTING BEDS**

SCALE: NONE

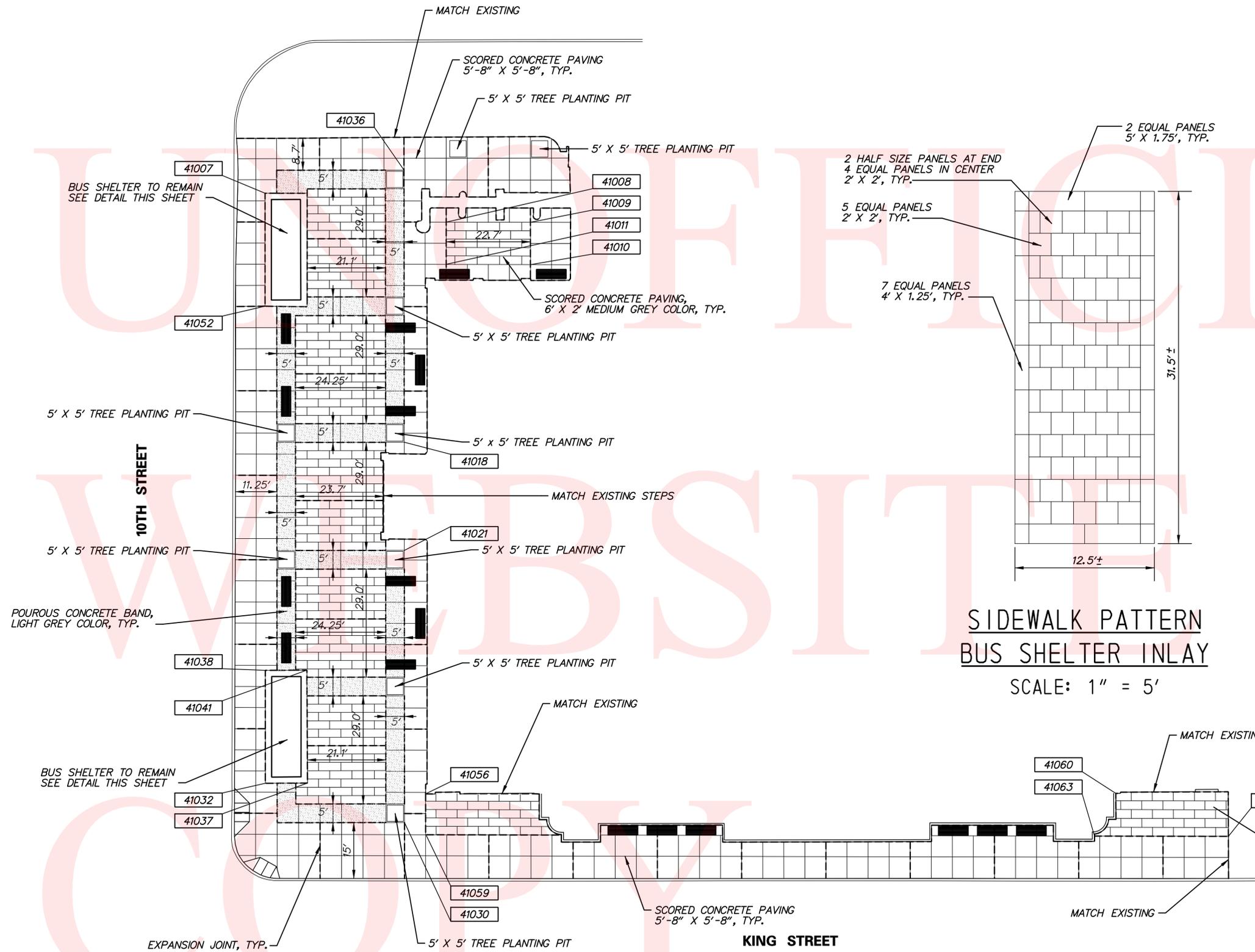
No. 221678-004, SADDL...DT01...RODN.dgn 9/22/2011 11:53:20 AM

UNOFFICIAL  
 WEBSITE  
 COPY



No. 21678-004.SCAD\_0102 RODM.dgn  
 9/22/2011 11:53:45 AM

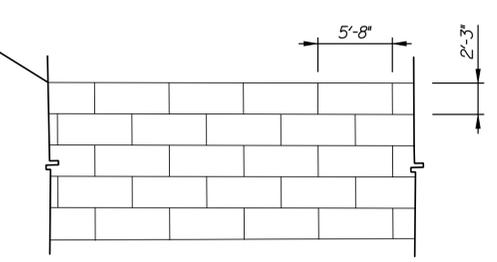
COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
41007	101+13.95	-38.16	635780.7371	619362.5006
41008	101+21.57	-86.95	635820.2673	619392.1005
41009	101+21.58	-109.55	635840.2203	619402.6944
41010	101+32.92	-109.61	635834.9579	619412.7441
41011	101+32.88	-86.98	635814.9915	619402.1064
41018	101+80.65	-75.77	635782.7005	619439.0473
41021	102+09.66	-75.87	635769.1877	619464.7261
41030	200+76.23	-43.38	635735.1929	619529.3276
41032	102+72.23	-38.66	635706.9953	619502.5494
41036	101+07.65	-75.52	635816.6954	619374.4458
41037	102+72.13	-50.00	635717.0557	619507.7820
41038	102+41.93	-38.56	635721.1047	619475.7425
41041	102+41.84	-49.75	635731.0341	619480.9066
41052	101+44.24	-38.24	635766.6043	619389.2947
41056	200+81.89	-51.07	635743.7925	619525.1664
41059	200+82.10	-39.86	635738.7435	619535.1787
41060	202+67.55	-51.23	635908.0797	619611.6378
41062	202+97.83	-39.71	635929.4887	619635.9572
41063	202+61.82	-39.78	635897.6655	619619.0951



**SIDWALK PATTERN  
BUS SHELTER INLAY**  
SCALE: 1" = 5'

**SIDWALK PATTERN DETAIL**  
SCALE: 1" = 15'

**LONDON PAVER PATTERN (TYP.)**  
SCALE: NONE



No. 21678-004.SCAD00-DT-03-RODM.dgn  
9/22/2011 11:50:19 AM

GENERAL TRAFFIC CONTROL NOTES

1. MAINTENANCE OF TRAFFIC DURING SHOULDER, LANE AND SIDEWALK CLOSURES SHALL CONFORM TO THE FOLLOWING CASES FROM THE DELAWARE MUTCD:  
 TYPICAL APPLICATION 28 - SIDEWALK DETOUR OR DIVERSION  
 TYPICAL APPLICATION 33 - STATIONARY LANE CLOSURE ON A MULTI-LANE, DIVIDED HIGHWAY
2. GRADING AND MAINTAINING HOT MIX TRM THAT IS BEING USED AS A TRAVELWAY, DRIVEWAY, ACCESS RAMP, ETC. SHALL BE INCIDENTAL TO ITEM 763500 - MAINTENANCE OF TRAFFIC. EXCESS HOT MIX TRM MATERIAL SHALL BE PUSHED AHEAD AND USED IN THE NEXT SEGMENT AND SHALL BE INCIDENTAL TO THE PARTICULAR HOT MIX TRM PAY ITEM. NO SEPARATE PAYMENT SHALL BE MADE FOR TEMPORARY ROADWAY MATERIAL (TRM) USED TO PROTECT EDGE DROP OFFS, UNLESS THE MATERIAL IS EVENTUALLY UTILIZED AS PART OF A PERMANENT ROADWAY AT WHICH TIME THE MATERIAL WOULD BE PAID FOR UNDER THE RESPECTIVE CONTRACT MATERIAL ITEM. CONSTRUCTION OF A PLANNED RUNAROUND OR DETOUR WOULD BE ELIGIBLE FOR PAYMENT AS SPECIFIED IN THE CONTRACT.
3. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER FOR THE PLACEMENT OF TEMPORARY WARNING SIGNS AND TRAFFIC CONTROL DEVICES. TEMPORARY TRAFFIC CONTROL SHALL BE PLACED AS NOTED BELOW:  
  
 PHASE 1 - CONSTRUCTION ON THE NORTH SIDE OF 10TH STREET WILL REQUIRE A LANE CLOSURE ON KING STREET. THE LANE CLOSURE SHALL CONFORM TO TYPICAL APPLICATION 33 OF THE DELAWARE MUTCD.  
  
 PHASE 2 - CONSTRUCTION ON THE NORTH SIDE OF 10TH STREET WILL REQUIRE A LANE CLOSURE ON KING STREET. THE LANE CLOSURE SHALL CONFORM TO TYPICAL APPLICATION 33 OF THE DELAWARE MUTCD. CONSTRUCTION WILL ALSO REQUIRE A LANE CLOSURE ON 10TH STREET. THE LANE CLOSURE SHALL CONFORM TO TYPICAL APPLICATION 33 OF THE DELAWARE MUTCD.  
  
 PHASE 3 - CONSTRUCTION ON THE NORTH SIDE OF 10TH STREET WILL REQUIRE A LANE CLOSURE ON KING STREET. THE LANE CLOSURE SHALL CONFORM TO TYPICAL APPLICATION 33 OF THE DELAWARE MUTCD. CONSTRUCTION WILL ALSO REQUIRE A LANE CLOSURE ON 10TH STREET. THE LANE CLOSURE SHALL CONFORM TO TYPICAL APPLICATION 33 OF THE DELAWARE MUTCD.  
  
 PHASE 4 - CONSTRUCTION ON THE WEST SIDE OF KING STREET WILL REQUIRE A LANE CLOSURE ON KING STREET. THE LANE CLOSURE SHALL CONFORM TO TYPICAL APPLICATION 33 OF THE DELAWARE MUTCD.
4. IF ADJUSTMENTS TO MOT PHASING ARE NEEDED OR REQUESTED, COORDINATION THROUGH DELDOT'S SAFETY SECTION IS REQUIRED.

UNOFFICIAL

WEBSITE

COPY

No: 21678-004-000-001-001.dgn  
 9/22/2011 11:55:53 AM



ADDENDUMS / REVISIONS	

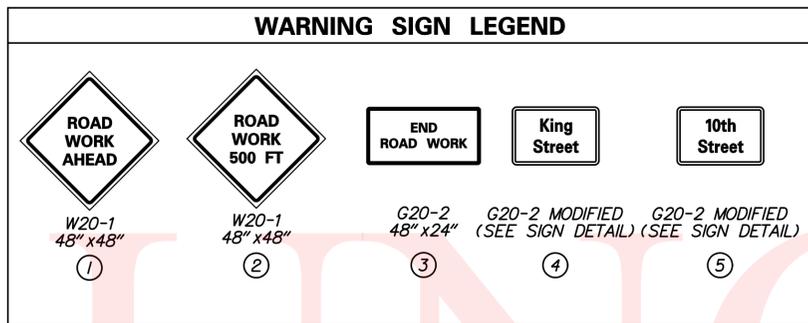
**NOT TO SCALE**

**RODNEY SQUARE  
BEAUTIFICATION, PHASE 1**

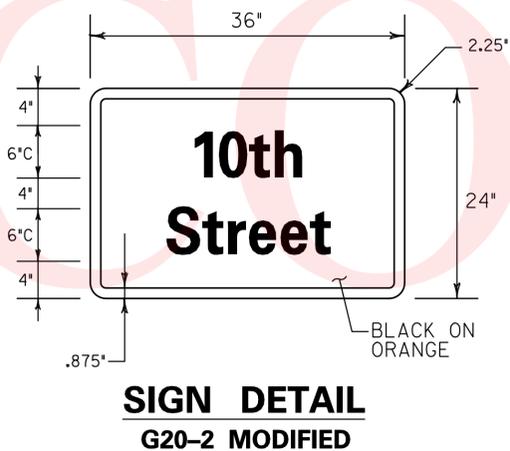
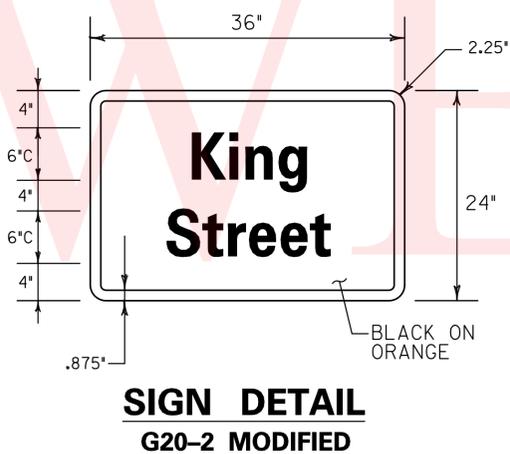
CONTRACT	BRIDGE NO.	N/A
T200820013	DESIGNED BY: M.J.C.	
COUNTY	CHECKED BY: T.A.O.	
NEW CASTLE		

**GENERAL TRAFFIC  
CONTROL NOTES**

<b>CS-01</b>
SHEET NO.
17
TOTAL SHTS.
42



- NOTES:**
- PLACE ALL PERMANENT WARNING SIGNS PRIOR TO THE BEGINNING OF CONSTRUCTION. ALL PERMANENT WARNING SIGNS SHALL BE PAID FOR UNDER ITEM 743504 - WARNING SIGNS.
  - SEE INDIVIDUAL PHASING PLANS FOR PLACEMENT OF TEMPORARY WARNING SIGNS. LOCATION OF ALL PERMANENT WARNING SIGNS SHALL BE COORDINATED WITH THE ENGINEER.
  - ANY EXISTING SIGNS THAT CONFLICT WITH CONSTRUCTION WARNING SIGNS SHALL BE COVERED, AS DIRECTED BY THE ENGINEER.
  - ALL PERMANENT SIGNS SHALL BE POST MOUNTED ON NCHRP REPORT 350 APPROVED BREAKAWAY SUPPORTS UNLESS OTHERWISE NOTED ON THESE PLANS, AS DIRECTED BY THE ENGINEER, OR ONE OF THE FOLLOWING CONDITIONS APPLY:
    - A UTILITY CONFLICT EXISTS THAT PREVENTS THE BREAKAWAY SUPPORTS FROM BEING DRIVEN INTO THE GROUND (ALL UTILITY CONFLICTS MUST BE VERIFIED BY THE INSPECTOR), OR
    - MATERIAL OTHER THAN COMMON EARTH, SUCH AS CONCRETE, HOT MIX ASPHALT, BRICK, ETC. PREVENTS DRIVING THE POSTS AND SUPPORTS INTO THE GROUND.
  - WARNING SIGNS WHICH REQUIRE THE PLACEMENT OF A STREET NAME PLAQUE WILL NOT BE PAID FOR UNLESS STREET NAME PLAQUE (G20-2 MODIFIED) IS IN PLACE.



No. 21678-004-CADD-C502-R001.dgn  
8/22/2011 11:51:10 AM

ADDENDUMS / REVISIONS

**NOT TO SCALE**

**RODNEY SQUARE BEAUTIFICATION, PHASE 1**

CONTRACT T200820013	BRIDGE NO. N/A
COUNTY NEW CASTLE	DESIGNED BY: M.J.C. CHECKED BY: T.A.O.

**PERMANENT WARNING SIGN LOCATION PLAN**

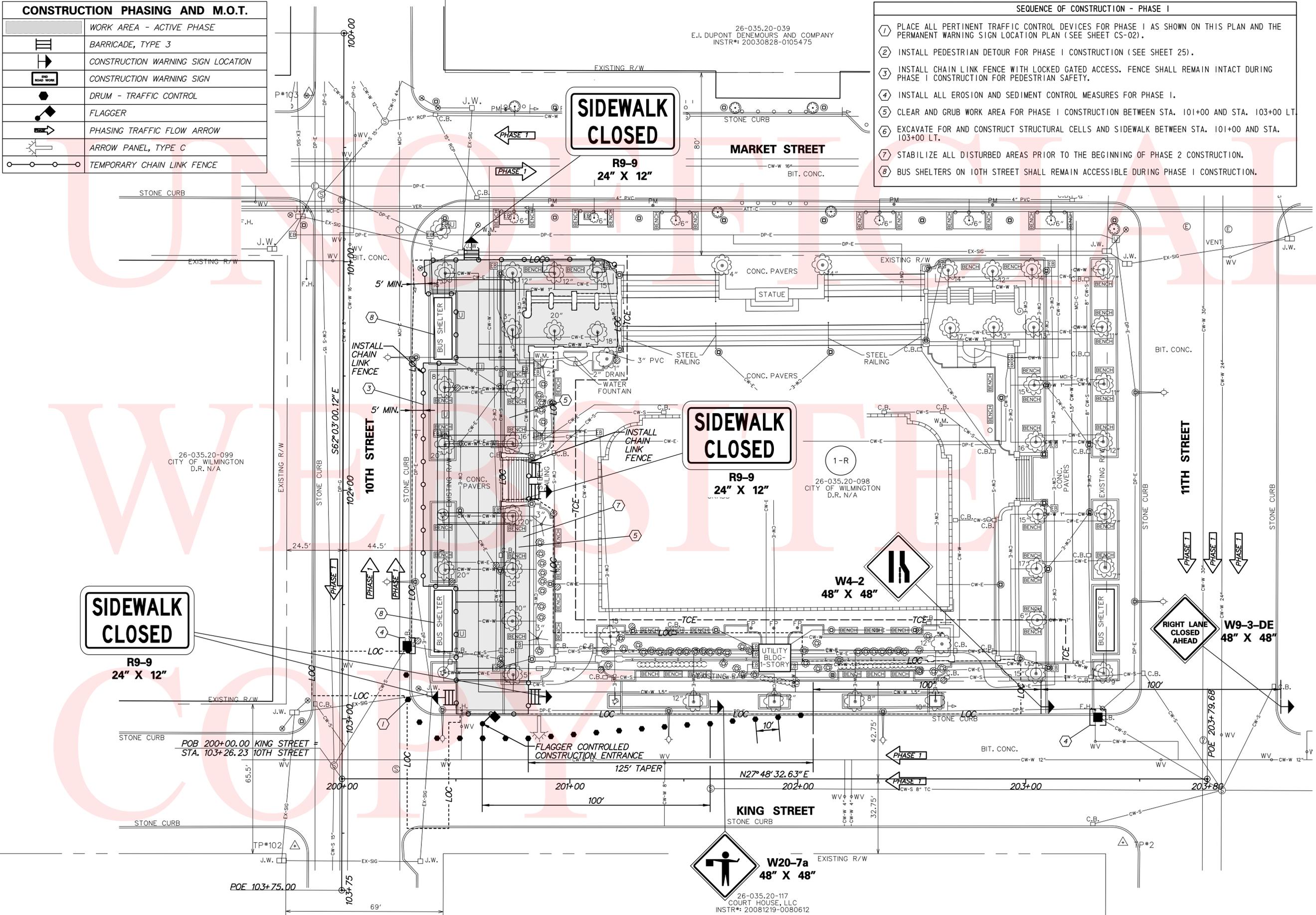
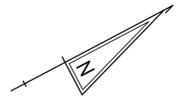
<b>CS-02</b>
SHEET NO. 18
TOTAL SHTS. 42

**CONSTRUCTION PHASING AND M.O.T.**

	WORK AREA - ACTIVE PHASE
	BARRICADE, TYPE 3
	CONSTRUCTION WARNING SIGN LOCATION
	CONSTRUCTION WARNING SIGN
	DRUM - TRAFFIC CONTROL
	FLAGGER
	PHASING TRAFFIC FLOW ARROW
	ARROW PANEL, TYPE C
	TEMPORARY CHAIN LINK FENCE

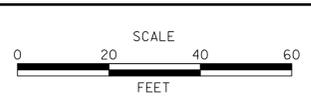
**SEQUENCE OF CONSTRUCTION - PHASE I**

- 1 PLACE ALL PERTINENT TRAFFIC CONTROL DEVICES FOR PHASE I AS SHOWN ON THIS PLAN AND THE PERMANENT WARNING SIGN LOCATION PLAN (SEE SHEET CS-02).
- 2 INSTALL PEDESTRIAN DETOUR FOR PHASE I CONSTRUCTION (SEE SHEET 25).
- 3 INSTALL CHAIN LINK FENCE WITH LOCKED GATED ACCESS. FENCE SHALL REMAIN INTACT DURING PHASE I CONSTRUCTION FOR PEDESTRIAN SAFETY.
- 4 INSTALL ALL EROSION AND SEDIMENT CONTROL MEASURES FOR PHASE I.
- 5 CLEAR AND GRUB WORK AREA FOR PHASE I CONSTRUCTION BETWEEN STA. 101+00 AND STA. 103+00 LT.
- 6 EXCAVATE FOR AND CONSTRUCT STRUCTURAL CELLS AND SIDEWALK BETWEEN STA. 101+00 AND STA. 103+00 LT.
- 7 STABILIZE ALL DISTURBED AREAS PRIOR TO THE BEGINNING OF PHASE 2 CONSTRUCTION.
- 8 BUS SHELTERS ON 10TH STREET SHALL REMAIN ACCESSIBLE DURING PHASE I CONSTRUCTION.



No. 21678-004, 10/20/11, CS03, R000.dgn, 9/22/2011, 11:51:51 AM

ADDENDUMS / REVISIONS	

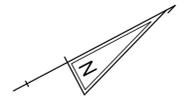


CONTRACT	BRIDGE NO.	N/A
T200820013	DESIGNED BY:	M.J.C.
COUNTY	CHECKED BY:	T.A.O.
NEW CASTLE		

CS-03	SHEET NO.	19
	TOTAL SHTS.	42

SEQUENCE OF CONSTRUCTION - PHASE 2

- 1 PLACE ALL PERTINENT TRAFFIC CONTROL DEVICES FOR PHASE 2 AS SHOWN ON THIS PLAN AND THE PERMANENT WARNING SIGN LOCATION PLAN (SEE SHEET CS-02).
- 2 INSTALL PEDESTRIAN DETOUR FOR PHASE 2 CONSTRUCTION (SEE SHEET 26).
- 3 INSTALL ALL EROSION AND SEDIMENT CONTROL MEASURES FOR PHASE 2.
- 4 CLEAR AND GRUB WORK AREA FOR PHASE 2 CONSTRUCTION BETWEEN STA. 101+00 AND STA. 102+00 LT.
- 5 EXCAVATE FOR AND CONSTRUCT PROPOSED SIDEWALK BETWEEN STA. 101+00 AND STA. 102+000 LT.
- 6 STABILIZE ALL DISTURBED AREAS PRIOR TO THE BEGINNING OF PHASE 3 CONSTRUCTION.
- 7 BUS SHELTER SHALL REMAIN ACCESSIBLE DURING PHASE 2 CONSTRUCTION.



**SIDEWALK CLOSED**  
R9-9  
24" X 12"

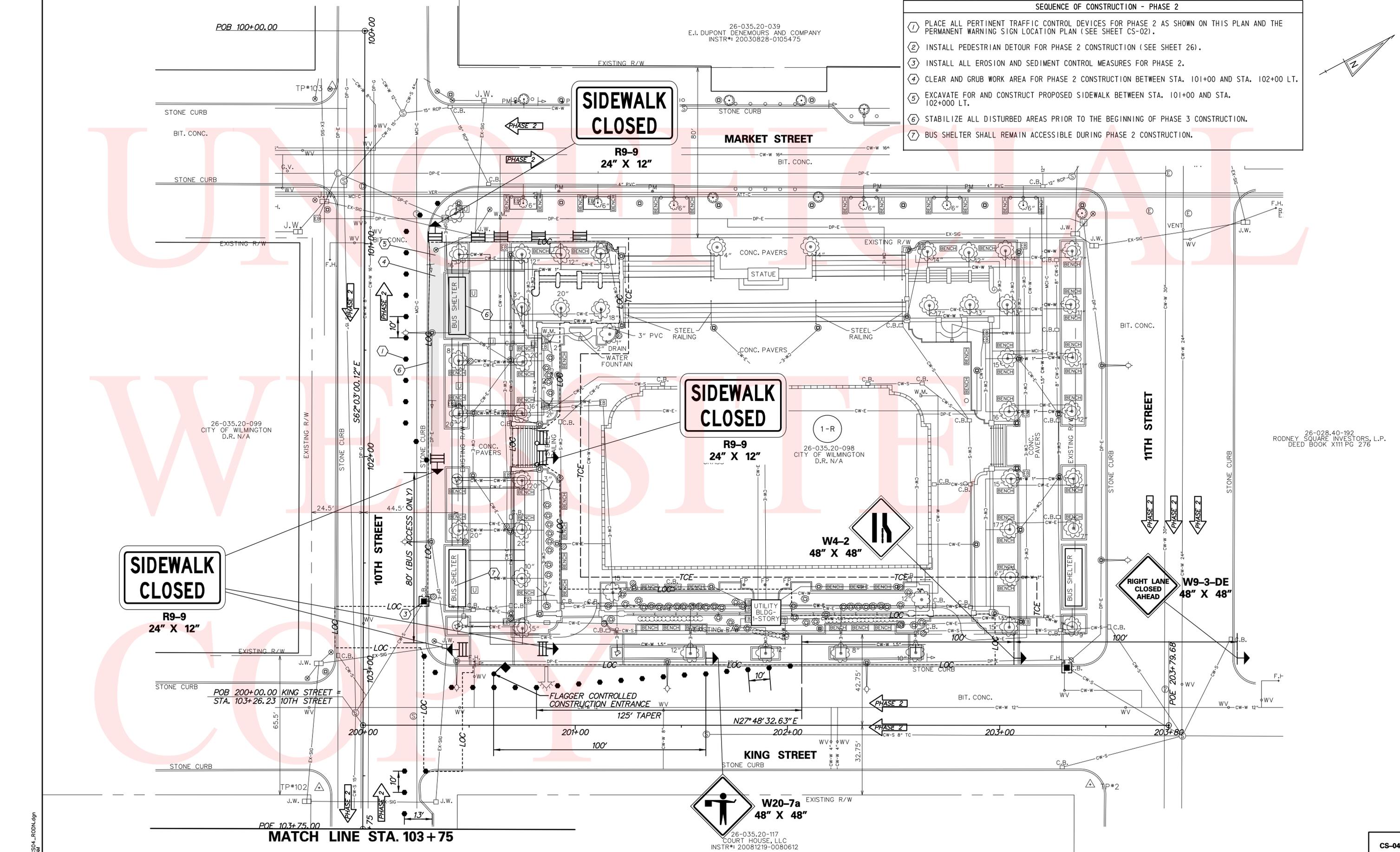
**SIDEWALK CLOSED**  
R9-9  
24" X 12"

**SIDEWALK CLOSED**  
R9-9  
24" X 12"

**RIGHT LANE CLOSED AHEAD**  
W9-3-DE  
48" X 48"

**W4-2**  
48" X 48"

**W20-7a**  
48" X 48"



26-035.20-099  
CITY OF WILMINGTON  
D.R. N/A

26-028.40-192  
RODNEY SQUARE INVESTORS, L.P.  
DEED BOOK X111 PG 276

POB 200+00.00 KING STREET  
STA. 103+26.23 10TH STREET

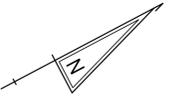
MATCH LINE STA. 103 + 75

26-035.20-117  
COURT HOUSE, LLC  
INSTR#: 20081219-0080612

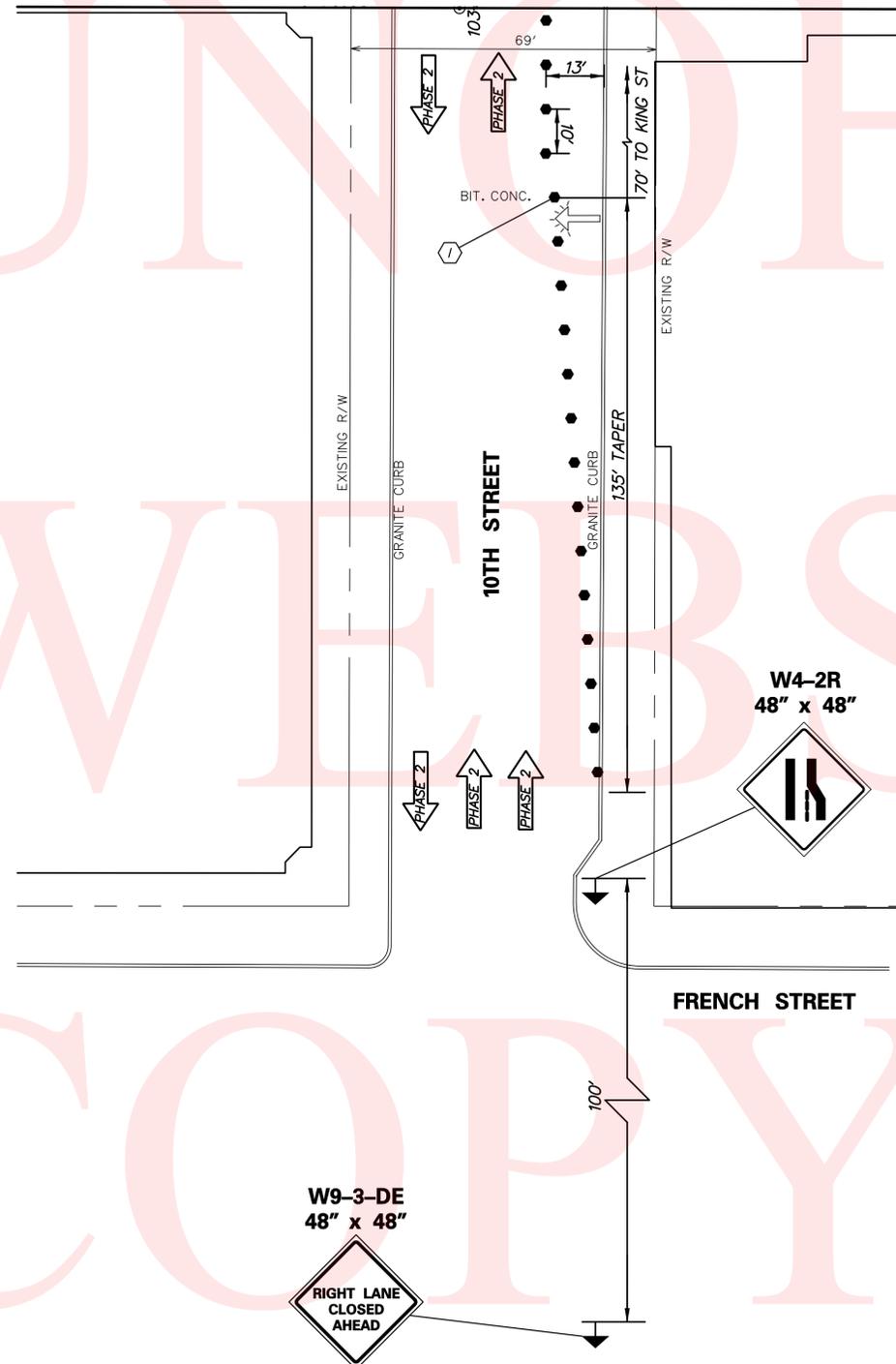
No. 21678-004.5A00 CS04-RODN.dgn  
9/22/2011 11:52:24 AM

SEQUENCE OF CONSTRUCTION - PHASE 2

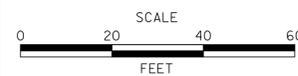
- ① PLACE ALL PERTINENT TRAFFIC CONTROL DEVICES FOR PHASE 2 AS SHOWN ON THIS PLAN AND THE PERMANENT WARNING SIGN LOCATION PLAN (SEE SHEET CS-02).
- ② INSTALL PEDESTRIAN DETOUR FOR PHASE 2 CONSTRUCTION (SEE SHEET 26).
- ③ INSTALL ALL EROSION AND SEDIMENT CONTROL MEASURES FOR PHASE 2.
- ④ CLEAR AND GRUB WORK AREA FOR PHASE 2 CONSTRUCTION BETWEEN STA. 101+00 AND STA. 102+00 LT.
- ⑤ EXCAVATE FOR AND CONSTRUCT PROPOSED SIDEWALK BETWEEN STA. 101+00 AND STA. 102+000 LT.
- ⑥ STABILIZE ALL DISTURBED AREAS PRIOR TO THE BEGINNING OF PHASE 3 CONSTRUCTION.
- ⑦ BUS SHELTER SHALL REMAIN ACCESSIBLE DURING PHASE 2 CONSTRUCTION.
- ⑧ PARKING ON THE SOUTH SIDE OF 10TH STREET BETWEEN KING STREET AND FRENCH STREET IS TO REMAIN OPEN DURING PHASE 3 CONSTRUCTION.



MATCH LINE STA. 103+75



ADDENDUMS / REVISIONS



RODNEY SQUARE  
BEAUTIFICATION, PHASE 1

CONTRACT	BRIDGE NO.	N/A
T200820013	DESIGNED BY:	M.J.C.
COUNTY	CHECKED BY:	T.A.O.
NEW CASTLE		

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

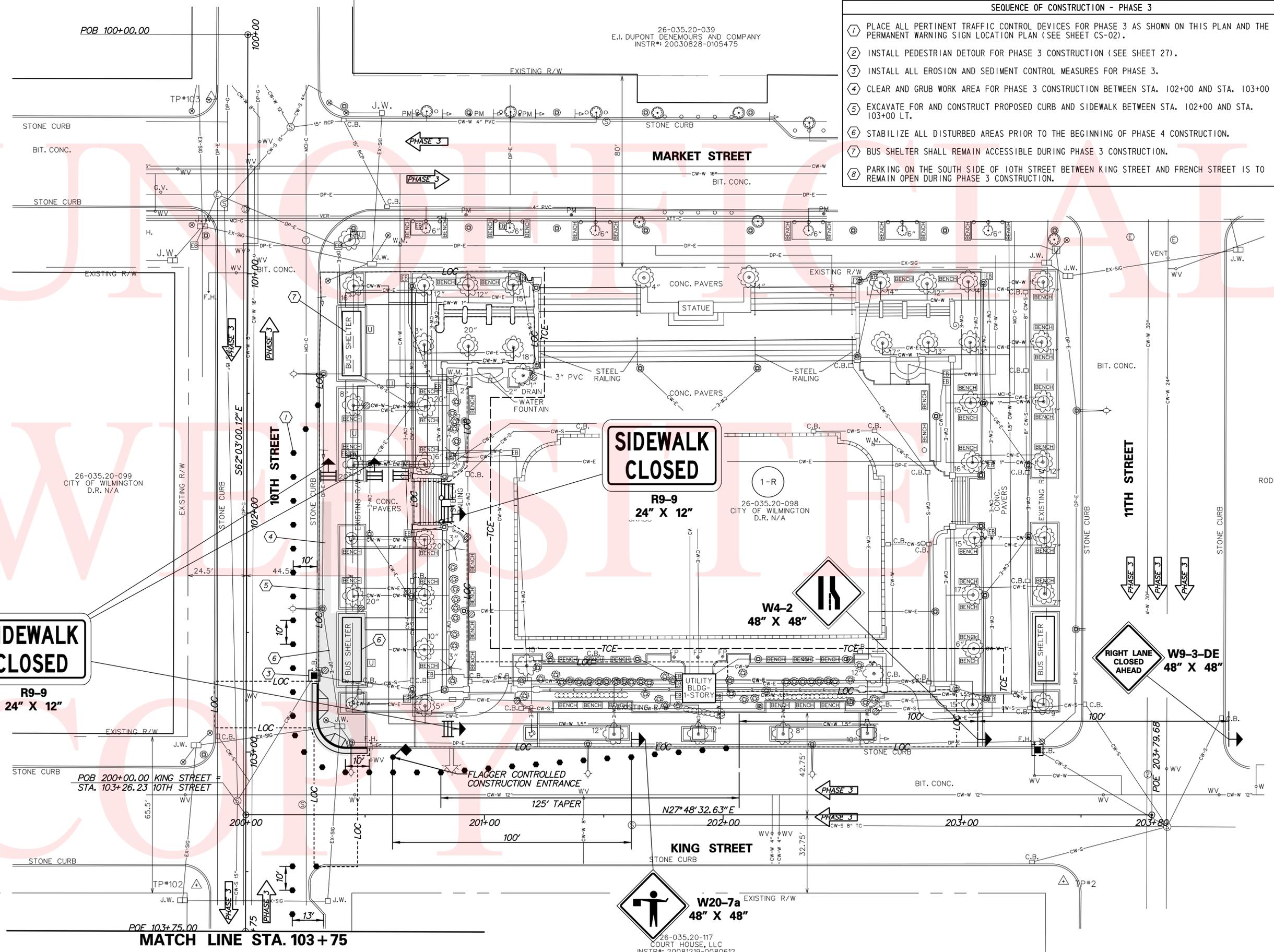
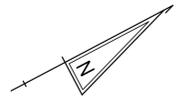
CS-05
SHEET NO.
21
TOTAL SHTS.
42

POB 100+00.00

26-035.20-039  
E.I. DUPONT DENEMOURS AND COMPANY  
INSTR#: 20030828-0105475

SEQUENCE OF CONSTRUCTION - PHASE 3

- 1 PLACE ALL PERTINENT TRAFFIC CONTROL DEVICES FOR PHASE 3 AS SHOWN ON THIS PLAN AND THE PERMANENT WARNING SIGN LOCATION PLAN (SEE SHEET CS-02).
- 2 INSTALL PEDESTRIAN DETOUR FOR PHASE 3 CONSTRUCTION (SEE SHEET 27).
- 3 INSTALL ALL EROSION AND SEDIMENT CONTROL MEASURES FOR PHASE 3.
- 4 CLEAR AND GRUB WORK AREA FOR PHASE 3 CONSTRUCTION BETWEEN STA. 102+00 AND STA. 103+00 LT.
- 5 EXCAVATE FOR AND CONSTRUCT PROPOSED CURB AND SIDEWALK BETWEEN STA. 102+00 AND STA. 103+00 LT.
- 6 STABILIZE ALL DISTURBED AREAS PRIOR TO THE BEGINNING OF PHASE 4 CONSTRUCTION.
- 7 BUS SHELTER SHALL REMAIN ACCESSIBLE DURING PHASE 3 CONSTRUCTION.
- 8 PARKING ON THE SOUTH SIDE OF 10TH STREET BETWEEN KING STREET AND FRENCH STREET IS TO REMAIN OPEN DURING PHASE 3 CONSTRUCTION.



**SIDEWALK CLOSED**  
R9-9  
24" X 12"

**SIDEWALK CLOSED**  
R9-9  
24" X 12"

W4-2  
48" X 48"

**RIGHT LANE CLOSED AHEAD**  
W9-3-DE  
48" X 48"

**W20-7a**  
48" X 48"

26-035.20-099  
CITY OF WILMINGTON  
D.R. N/A

26-028.40-192  
RODNEY SQUARE INVESTORS, L.P.  
DEED BOOK X111 PG 276

POB 200+00.00 KING STREET  
STA. 103+26.23 10TH STREET

MATCH LINE STA. 103 + 75

ADDENDUMS / REVISIONS



**RODNEY SQUARE  
BEAUTIFICATION, PHASE 1**

CONTRACT	BRIDGE NO.	N/A
T200820013	DESIGNED BY:	M.J.C.
COUNTY	CHECKED BY:	T.A.O.
NEW CASTLE		

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

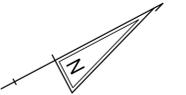
CS-06	SHEET NO.	22
	TOTAL SHTS.	42

No. 21678-004.5400\_C506\_R001.dgn  
9/22/2011 11:53:15 AM

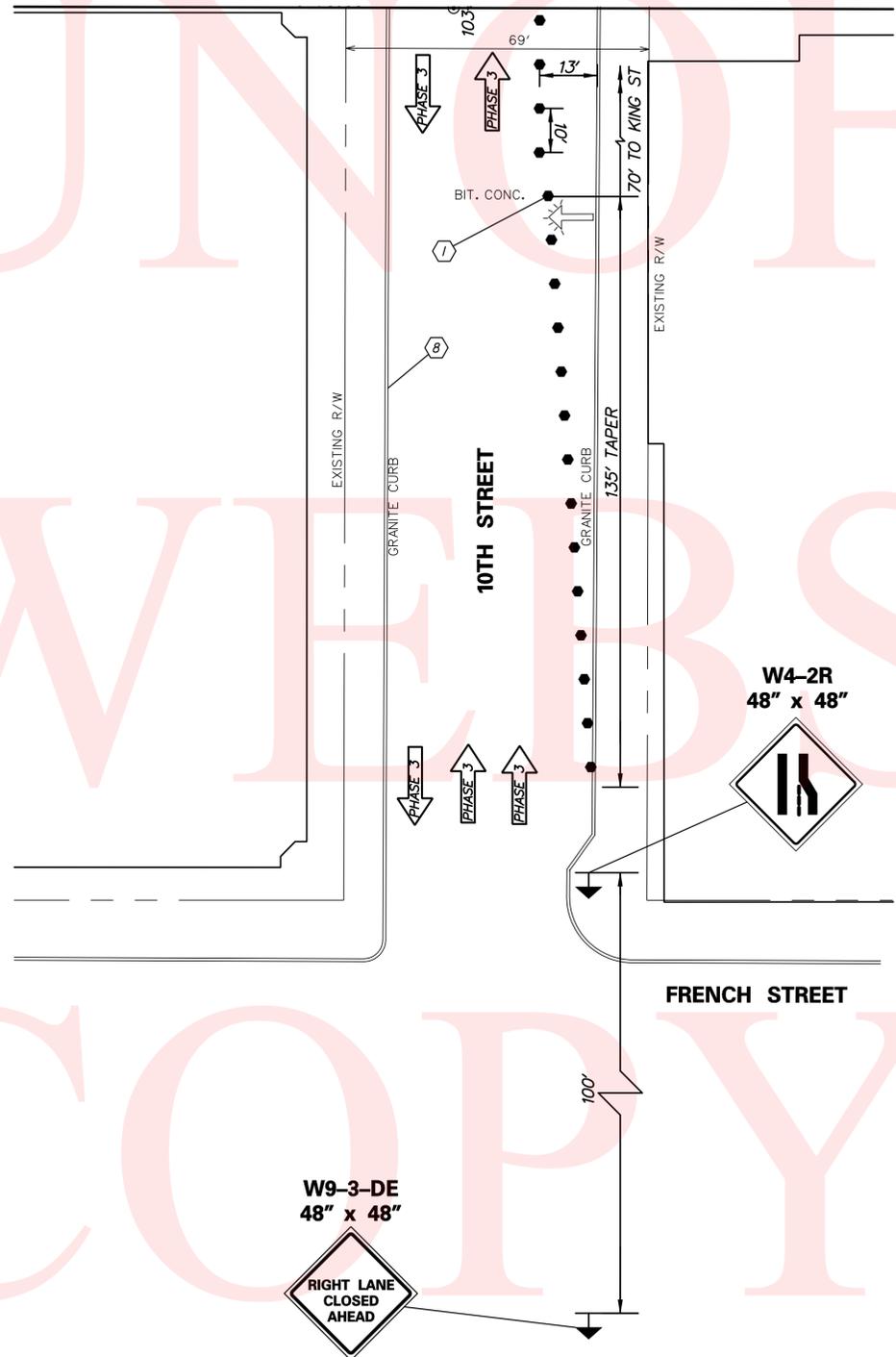
**DELAWARE  
DEPARTMENT OF TRANSPORTATION**

SEQUENCE OF CONSTRUCTION - PHASE 3

- ① PLACE ALL PERTINENT TRAFFIC CONTROL DEVICES FOR PHASE 3 AS SHOWN ON THIS PLAN AND THE PERMANENT WARNING SIGN LOCATION PLAN (SEE SHEET CS-02).
- ② INSTALL PEDESTRIAN DETOUR FOR PHASE 3 CONSTRUCTION (SEE SHEET 27).
- ③ INSTALL ALL EROSION AND SEDIMENT CONTROL MEASURES FOR PHASE 3.
- ④ CLEAR AND GRUB WORK AREA FOR PHASE 3 CONSTRUCTION BETWEEN STA. 102+00 AND STA. 103+00 LT.
- ⑤ EXCAVATE FOR AND CONSTRUCT PROPOSED CURB AND SIDEWALK BETWEEN STA. 102+00 AND STA. 103+00 LT.
- ⑥ STABILIZE ALL DISTURBED AREAS PRIOR TO THE BEGINNING OF PHASE 4 CONSTRUCTION.
- ⑦ BUS SHELTER SHALL REMAIN ACCESSIBLE DURING PHASE 3 CONSTRUCTION.
- ⑧ PARKING ON THE SOUTH SIDE OF 10TH STREET BETWEEN KING STREET AND FRENCH STREET IS TO REMAIN OPEN DURING PHASE 3 CONSTRUCTION.



MATCH LINE STA. 103+75



No. 21678-004.5400 CS07 RODN.dgn  
8/22/2011 11:53:47 AM



ADDENDUMS / REVISIONS	



**RODNEY SQUARE  
BEAUTIFICATION, PHASE 1**

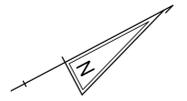
CONTRACT T200820013	BRIDGE NO. N/A
COUNTY NEW CASTLE	DESIGNED BY: M.J.C. CHECKED BY: T.A.O.

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

CS-07
SHEET NO. 23
TOTAL SHTS. 42

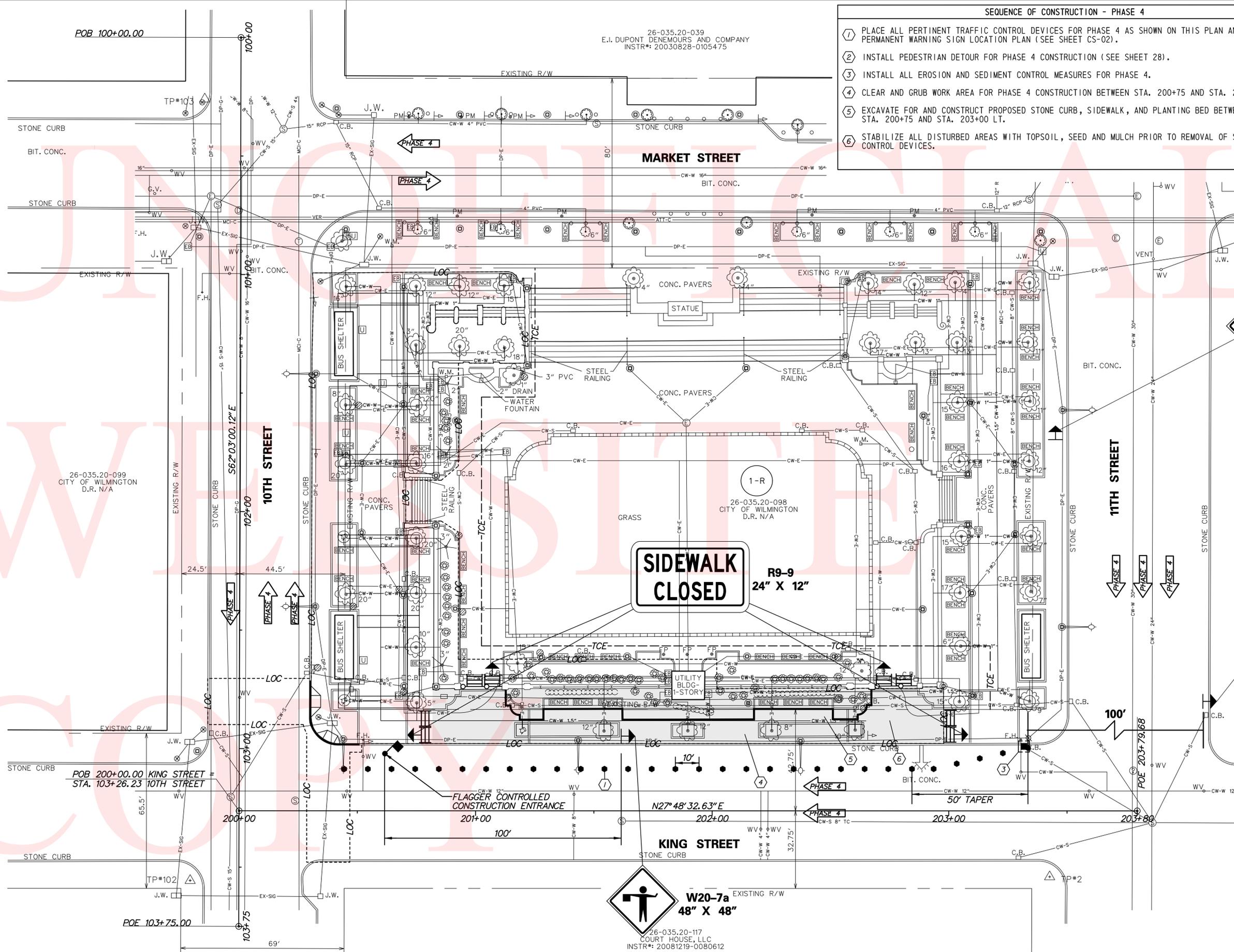
SEQUENCE OF CONSTRUCTION - PHASE 4

- 1 PLACE ALL PERTINENT TRAFFIC CONTROL DEVICES FOR PHASE 4 AS SHOWN ON THIS PLAN AND THE PERMANENT WARNING SIGN LOCATION PLAN (SEE SHEET CS-02).
- 2 INSTALL PEDESTRIAN DETOUR FOR PHASE 4 CONSTRUCTION (SEE SHEET 28).
- 3 INSTALL ALL EROSION AND SEDIMENT CONTROL MEASURES FOR PHASE 4.
- 4 CLEAR AND GRUB WORK AREA FOR PHASE 4 CONSTRUCTION BETWEEN STA. 200+75 AND STA. 203+00 LT.
- 5 EXCAVATE FOR AND CONSTRUCT PROPOSED STONE CURB, SIDEWALK, AND PLANTING BED BETWEEN STA. 200+75 AND STA. 203+00 LT.
- 6 STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH PRIOR TO REMOVAL OF SEDIMENT CONTROL DEVICES.



26-035.20-039  
E.I. DUPONT DENEMOURS AND COMPANY  
INSTR#: 20030828-0105475

POB 100+00.00



**RIGHT LANE CLOSED AHEAD**  
W9-3-DE  
48" X 48"  
**King Street**  
G20-2  
36" X 24"

26-028.40-192  
RODNEY SQUARE INVESTORS, L.P.  
DEED BOOK X111 PG 276

**RIGHT LANE CLOSED AHEAD**  
W9-3-DE  
48" X 48"

**SIDEWALK CLOSED**  
R9-9  
24" X 12"

**W20-7a**  
48" X 48"

26-035.20-099  
CITY OF WILMINGTON  
D.R. N/A

26-035.20-098  
CITY OF WILMINGTON  
D.R. N/A

POB 200+00.00 KING STREET =  
STA. 103+26.23 10TH STREET

POE 103+75.00

100'

POE 203+79.68

FLAGGER CONTROLLED  
CONSTRUCTION ENTRANCE  
201+00

KING STREET



**RODNEY SQUARE  
BEAUTIFICATION, PHASE 1**

CONTRACT	BRIDGE NO.	N/A
T200820013	DESIGNED BY:	M.J.C.
COUNTY	CHECKED BY:	T.A.O.
NEW CASTLE		

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

CS-08
SHEET NO.
24
TOTAL SHTS.
42

No. 21678-004.5400\_CS08\_R001.dgn  
5/22/2011 11:44:18 AM

ADDENDUMS / REVISIONS

CHANGEABLE MESSAGE BOARDS

LEGEND

ORANGE ST

BASSETT ST

MARKET ST

KING ST

FRENCH ST

13TH ST

12TH ST

11TH ST

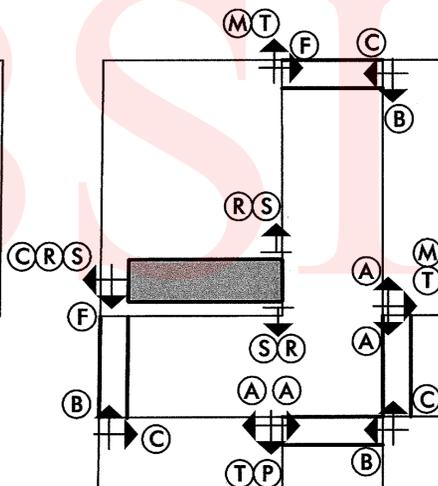
10TH ST

9TH ST



<b>A</b> DETOUR 	<b>B</b> DETOUR 	<b>C</b> DETOUR 
<b>D</b> DETOUR 	<b>E</b> DETOUR 	<b>F</b> END DETOUR
<b>G</b> DETOUR AHEAD 	<b>H</b> DETOUR 1000 FT 	<b>I</b> DETOUR 500 FT 
<b>J</b> ROAD CLOSED AHEAD 	<b>K</b> ROAD CLOSED 1000 FT 	<b>L</b> ROAD CLOSED 500 FT 
<b>M</b> SIDEWALK CLOSED AHEAD CROSS HERE 	<b>N</b> DETOUR 	<b>O</b> DETOUR 
<b>P</b> SIDEWALK CLOSED AHEAD CROSS HERE 	<b>Q</b> ROAD CLOSED 	<b>R</b> SIDEWALK CLOSED 
<b>S</b> 		<b>T</b> 

SPECIAL SIGNS



GENERAL NOTES

- ALL DETOUR SIGNING, INCLUDING TRAILBLAZERS, ARE TO BE SUPPLIED AND MAINTAINED BY THE GENERAL CONTRACTOR IN COMPLIANCE WITH THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (DE- MUTCD PART 6).
- 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 SHALL BE MOUNTED ON BREAKAWAY POSTS AND HAVE RETROREFLECTIVE FLUORESCENT SHEETING.
- 'S' BARRICADES SHALL COMPLETELY RUN THE FULL WIDTH OF SIDEWALK.
- BARRICADES SHALL BE A MINIMUM OF 6 FEET WIDE UNLESS DIRECTED BY THE ENGINEER.

RECOMMENDED *J. R. P.* DATE: 8/23/11

RECOMMENDED *Brian A. Mitchell* DATE: 8-24-11  
CITY OF WILMINGTON TRANSPORTATION DIVISION

RECOMMENDED *W. E. P.* DATE: 8-29-11

APPROVED CHIEF SAFETY OFFICER *[Signature]* DATE: 8/31/11

APPROVED TRAFFIC ENGINEER *[Signature]* DATE: 8/31/11



NOT TO SCALE

RODNEY SQUARE  
BEAUTIFICATION, PHASE 1

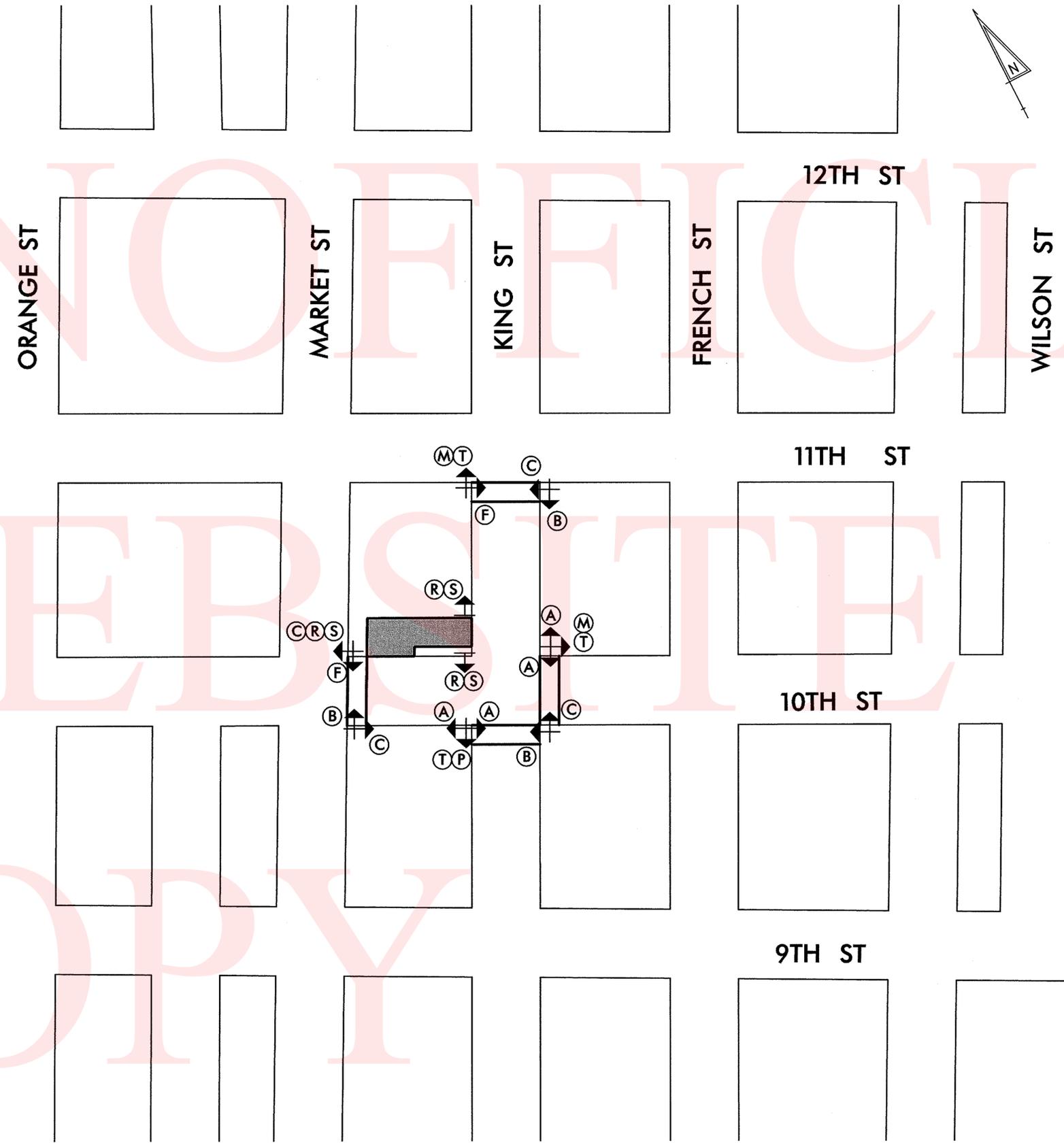
CONTRACT	PERMIT NO.	N/A
T200820013	DESIGNED BY:	M.J.C.
COUNTY	CHECKED BY:	T.A.O.
NEW CASTLE		

PEDESTRIAN DETOUR PLAN  
PHASE 1

SHEET NO.	25
TOTAL SHTS.	42

CHANGEABLE MESSAGE BOARDS

LEGEND



<b>A</b> DETOUR 	<b>B</b> DETOUR 	<b>C</b> DETOUR 
<b>D</b> DETOUR 	<b>E</b> DETOUR 	<b>F</b> END DETOUR
<b>G</b> DETOUR AHEAD 	<b>H</b> DETOUR 1000 FT 	<b>I</b> DETOUR 500 FT 
<b>J</b> ROAD CLOSED AHEAD 	<b>K</b> ROAD CLOSED 1000 FT 	<b>L</b> ROAD CLOSED 500 FT 
<b>M</b> SIDEWALK CLOSED AHEAD CROSS HERE 	<b>N</b> DETOUR 	<b>O</b> DETOUR 
<b>P</b> SIDEWALK CLOSED AHEAD CROSS HERE 	<b>Q</b> ROAD CLOSED 	<b>R</b> SIDEWALK CLOSED 
<b>S</b> 	<b>T</b> 	

SPECIAL SIGNS

GENERAL NOTES

- ALL DETOUR SIGNING, INCLUDING TRAILBLAZERS, ARE TO BE SUPPLIED AND MAINTAINED BY THE GENERAL CONTRACTOR IN COMPLIANCE WITH THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (DE- MUTCD PART 6).
- 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 SHALL BE MOUNTED ON BREAKAWAY POSTS AND HAVE RETROREFLECTIVE FLUORESCENT SHEETING.
- \*S\* BARRICADES SHALL COMPLETELY RUN THE FULL WIDTH OF SIDEWALK.
- BARRICADES SHALL BE A MINIMUM OF 6 FEET WIDE UNLESS DIRECTED BY THE ENGINEER.

RECOMMENDED Jeffrey R. Reig DATE: 8/23/11      RECOMMENDED Bria Mitchell DATE: 8-24-11      RECOMMENDED Wade E. King DATE: 8-24-11      APPROVED CHIEF SAFETY OFFICER [Signature] DATE: 8/31/11      APPROVED TRAFFIC ENGINEER [Signature] DATE: 8/31/11

<p>DELAWARE DEPARTMENT OF TRANSPORTATION</p>	ADDENDUM / REVISIONS	NOT TO SCALE	<p>RODNEY SQUARE BEAUTIFICATION, PHASE 1</p>	CONTRACT	PERMIT NO.	N/A	<p>PEDESTRIAN DETOUR PLAN PHASE 2</p>	SHEET NO.
				T200820013	DESIGNED BY: M.J.C.			26
				NEW CASTLE	CHECKED BY: T.A.O.			TOTAL SHTS.
							42	

CHANGEABLE MESSAGE BOARDS

LEGEND

ORANGE ST

MARKET ST

KING ST

FRENCH ST

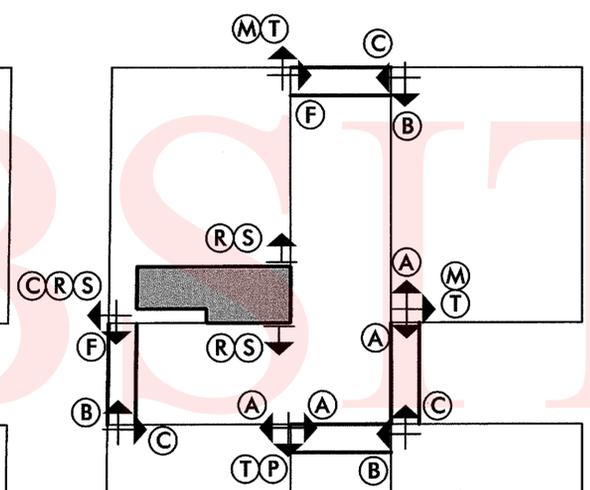
12TH ST

11TH ST

10TH ST

9TH ST

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



GENERAL NOTES

- ALL DETOUR SIGNING, INCLUDING TRAILBLAZERS, ARE TO BE SUPPLIED AND MAINTAINED BY THE GENERAL CONTRACTOR IN COMPLIANCE WITH THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (DE- MUTCD PART 6).
- 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 SHALL BE MOUNTED ON BREAKAWAY POSTS AND HAVE RETROREFLECTIVE FLUORESCENT SHEETING.
- \*S\* BARRICADES SHALL COMPLETELY RUN THE FULL WIDTH OF SIDEWALK.
- BARRICADES SHALL BE A MINIMUM OF 6 FEET WIDE UNLESS DIRECTED BY THE ENGINEER.

SPECIAL SIGNS

RECOMMENDED *Jerry R. Ry...* DATE: 8/23/11

RECOMMENDED *Brian G. Mitchell* DATE: 8-24-11  
CITY OF DELAWARE TRANSPORTATION DIVISION

RECOMMENDED *Walter E. ...* DATE: 8-29-11

APPROVED CHIEF SAFETY OFFICER *[Signature]* DATE: 8/31/11

APPROVED TRAFFIC ENGINEER *[Signature]* DATE: 8/31/11



ADDENDUM / REVISIONS


NOT TO SCALE

RODNEY SQUARE BEAUTIFICATION, PHASE 1

CONTRACT	PERMIT NO.	N/A
T200820013	DESIGNED BY: M.J.C.	
COUNTY	CHECKED BY: T.A.O.	
NEW CASTLE		

PEDESTRIAN DETOUR PLAN PHASE 3

SHEET NO.	27
TOTAL SHTS.	42

CHANGEABLE MESSAGE BOARDS

LEGEND

ORANGE ST

BASSETT ST

MARKET ST

KING ST

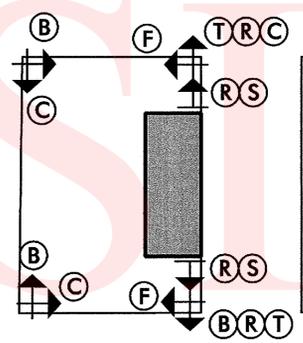
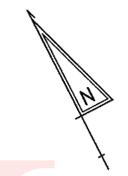
FRENCH ST

12TH ST

11TH ST

10TH ST

9TH ST



Legend of traffic signs:

- (A) DETOUR (up arrow)
- (B) DETOUR (left arrow)
- (C) DETOUR (right arrow)
- (D) DETOUR (down arrow)
- (E) DETOUR (up arrow)
- (F) END DETOUR
- (G) DETOUR AHEAD
- (H) DETOUR 1000 FT
- (I) DETOUR 500 FT
- (J) ROAD CLOSED AHEAD
- (K) ROAD CLOSED 1000 FT
- (L) ROAD CLOSED 500 FT
- (M) SIDEWALK CLOSED AHEAD CROSS HERE (left arrow)
- (N) DETOUR (left arrow)
- (O) DETOUR (right arrow)
- (P) SIDEWALK CLOSED AHEAD CROSS HERE (right arrow)
- (Q) ROAD CLOSED
- (R) SIDEWALK CLOSED
- (S) Barricade (left)
- (T) Barricade (right)

SPECIAL SIGNS

GENERAL NOTES

- ALL DETOUR SIGNING, INCLUDING TRAILBLAZERS, ARE TO BE SUPPLIED AND MAINTAINED BY THE GENERAL CONTRACTOR IN COMPLIANCE WITH THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (DE- MUTCD PART 6).
- 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 SHALL BE MOUNTED ON BREAKAWAY POSTS AND HAVE RETROREFLECTIVE FLUORESCENT SHEETING.
- \*S\* BARRICADES SHALL COMPLETELY RUN THE FULL WIDTH OF SIDEWALK..
- BARRICADES SHALL BE A MINIMUM OF 6 FEET WIDE UNLESS DIRECTED BY THE ENGINEER.

RECOMMENDED *[Signature]* DATE: 8/23/11

RECOMMENDED *[Signature]* DATE: 8-24-11

RECOMMENDED *[Signature]* DATE: 8-29-11

APPROVED CHIEF SAFETY OFFICER *[Signature]* DATE: 8/31/11

APPROVED TRAFFIC ENGINEER *[Signature]* DATE: 8/31/11



ADDENDUM / REVISIONS	

NOT TO SCALE

RODNEY SQUARE BEAUTIFICATION, PHASE 1

CONTRACT	PERMIT NO.	N/A
T200820013	DESIGNED BY: M.J.C.	
COUNTY	CHECKED BY: T.A.O.	
NEW CASTLE		

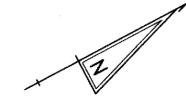
PEDESTRIAN DETOUR PLAN PHASE 4

SHEET NO.	28
TOTAL SHTS.	42

POB 100+00.00

**LANDSCAPING LEGEND**

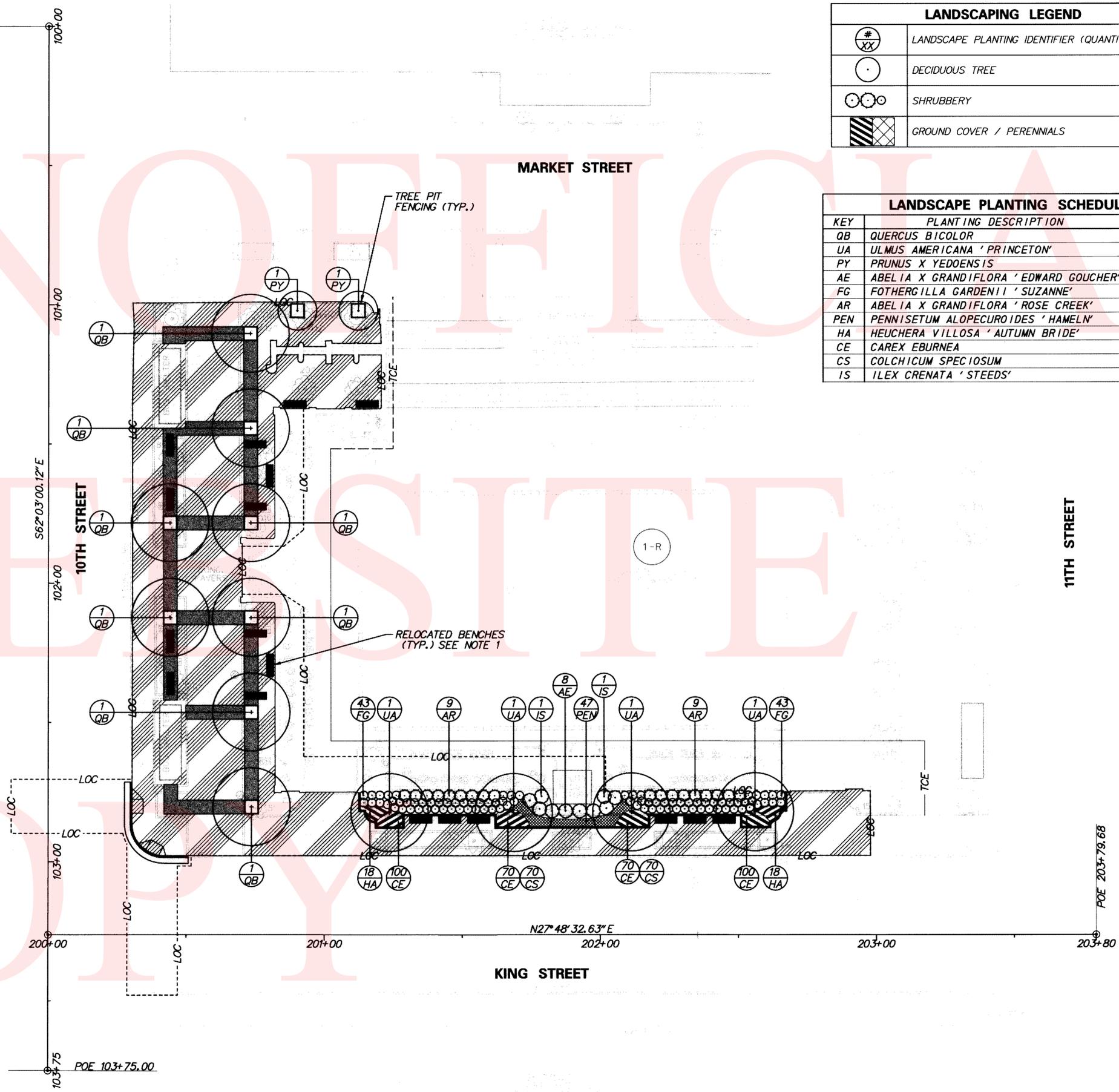
	LANDSCAPE PLANTING IDENTIFIER (QUANTITY/TYPE)
	DECIDUOUS TREE
	SHRUBBERY
	GROUND COVER / PERENNIALS



MARKET STREET

**LANDSCAPE PLANTING SCHEDULE**

KEY	PLANTING DESCRIPTION	QUANTITY
QB	QUERCUS BICOLOR	8
UA	ULMUS AMERICANA 'PRINCETON'	4
PY	PRUNUS X YEDOENSIS	2
AE	ABELIA X GRANDIFLORA 'EDWARD GOUCHER'	8
FG	FOTHERGILLA GARDENII 'SUZANNE'	86
AR	ABELIA X GRANDIFLORA 'ROSE CREEK'	18
PEN	PENNISETUM ALOPECUROIDES 'HAMELN'	47
HA	HEUCHERA VILLOSA 'AUTUMN BRIDE'	36
CE	CAREX EBURNEA	340
CS	COLCHICUM SPECIOSUM	140
IS	ILEX CRENATA 'STEEDS'	2



**NOTES:**  
 1. RELOCATE BENCHES AS SHOWN. VERIFY LAYOUT WITH THE ENGINEER PRIOR TO INSTALLATION. RE-INSTALL BENCHES USING FOUR 1/2" x 3/4" GALVANIZED EXPANSION ANCHOR BOLTS.

PREPARED BY  
 THE CONSULTING FIRM OF  
**WR&A**  
 WHITMAN, REQUARDT & ASSOCIATES, LLP  
 ENGINEERS - ARCHITECTS - PLANNERS  
 EST. 1911

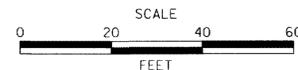


*Michael J. Campbell*  
 MICHAEL J. CAMPBELL, RLA

RECOMMENDED AUGUST 20 2011

**DELAWARE**  
 DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS



**RODNEY SQUARE**  
 BEAUTIFICATION, PHASE 1

CONTRACT	BRIDGE NO.	N/A
T200820013	DESIGNED BY:	M.J.C.
COUNTY	CHECKED BY:	T.A.O.
NEW CASTLE		

**LANDSCAPING PLAN**

LS-01
SHEET NO.
29
TOTAL SHTS.
42

**TOTAL LANDSCAPE PLANTING SCHEDULE**

KEY	QUANTITY	BOTANICAL NAME	COMMON NAME	PLANTING SIZE	METHOD	COMMENTS
<b>TREES</b>						
QB	8	QUERCUS BICOLOR	SWAMP WHITE OAK	4" CAL.	B&B	TREES PROVIDED, SEE SPECIFICATIONS
UA	4	ULMUS AMERICANA 'PRINCETON'	PRINCETON ELM	4" CAL.	B&B	TREES PROVIDED, SEE SPECIFICATIONS
<b>FLOWERING TREES</b>						
PY	2	PRUNUS X YEDOENSIS	YOSHINO CHERRY	2" CAL.	B&B	
<b>SHRUBS</b>						
IS	2	ILEX CRENATA 'STEEDS'	STEEDS JAPANESE HOLLY	NO. 7	CONTAINER	
FG	86	FOTHERGILLA GARDENII 'SUZANNE'	SUZANNE DWARF FOTHERGILLA	NO. 3	CONTAINER	WHITE FLOWER
AR	18	ABELIA X GRANDIFLORA 'ROSE CREEK'	ROSE CREEK ABELIA	NO. 7	CONTAINER	WHITE FLOWER
AE	8	ABELIA X GRANDIFLORA 'EDWARD GOUCHER'	EDWARD GOUCHER ABELIA	NO. 7	CONTAINER	PINK FLOWER
<b>PERENNIALS/GROUNDCOVER</b>						
HA	36	HEUCHERA VILLOSA 'AUTUMN BRIDE'	HAIRY ALUMROOT	NO. 1	CONTAINER	18" O.C.
CE	340	CAREX EBURNEA	BRISTLELEAF SEDGE	NO. 1	CONTAINER	12" O.C.
PEN	47	PENNISETUM ALOPECUROIDES 'HAMELN'	DWARF FOUNTAIN GRASS	NO. 1	CONTAINER	24" O.C.
CS	140	COLCHICUM SPECIOSUM	FALSE AUTUMN CROCUS	DN1	BULB	12" O.C.

**NOTES:**

- ALL LANDSCAPING SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE DELAWARE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS FOR SECTIONS:  
SECTION 737 - LANDSCAPING
- THE CONTRACTOR SHALL VERIFY PLANT MATERIAL QUANTITIES SHOWN ON THE PLANS WITH TOTALS IN THE PLANT SCHEDULE. WHERE DISCREPANCIES OCCUR BETWEEN PLANS AND THE PLANT SCHEDULE, THE PLANS SHALL GOVERN.
- THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING MISS UTILITY TO LOCATE ALL UNDERGROUND UTILITY LINES PRIOR TO INSTALLATION OF PLANT MATERIAL. THE CONTRACTOR SHALL ALSO BE COGNIZANT OF PROPOSED UTILITY LOCATIONS AS SHOWN ON THE PLANS.
- ALL PLANTING OPERATIONS SHALL BE UNDER THE SUPERVISION OF A CERTIFIED LANDSCAPE PROFESSIONAL AS CERTIFIED BY A NATIONAL, STATE, OR OTHER PROFESSIONAL RECOGNIZED ORGANIZATION.
- MULCHING FOR INDIVIDUAL TREE PITS IS INCIDENTAL TO ITEM 737523 - PLANTING. MULCHING FOR DESIGNATED PERENNIAL AND SHRUB BEDS SHALL BE DONE IN ACCORDANCE WITH ITEM 737002 - MULCHING PLANTS.
- NO PLANT MATERIAL SHALL BE PLANTED DIRECTLY IN FRONT OF ROADWAY SIGN SITE LINES.
- ALL TREES MUST BE PLANTED BEHIND THE ROADWAY HORIZONTAL CLEARANCE AS DEFINED ON THE TYPICAL SECTIONS AND CONSTRUCTION PLANS.
- FOR THE PLANT ESTABLISHMENT PERIOD AND FOR LANDSCAPE MAINTENANCE RESPONSIBILITY FOLLOWING FINAL ACCEPTANCE, SEE ITEM 737523 - PLANTING.
- ALL EXISTING TREES TO REMAIN THAT ARE DISTURBED DURING CONSTRUCTION SHALL HAVE THE DAMAGE CORRECTED BY A CERTIFIED ARBORIST AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR SHALL WATER ALL PROPOSED PLANTINGS IMMEDIATELY AFTER INSTALLATION AND AS NEEDED DURING THE PLANT ESTABLISHMENT PERIOD. THE CONTRACTOR SHALL WATER ALL PROPOSED TREES BY INSTALLING A 20 GAL. PORTABLE DRIP IRRIGATION BAG (TREGATOR OR APPROVED EQUAL) WITH 2 DRIP HOLES PER BAG. IRRIGATION BAGS SHALL BE REFILLED AT LEAST BIWEEKLY DURING THE PERIOD FROM JUNE 15TH THROUGH AUGUST 30TH OF EACH YEAR OF THE DEFINED ESTABLISHMENT PERIOD. COST SHALL BE INCIDENTAL TO ITEM NO. 737523 - PLANTING. PLANTING WILL BE PAID 60% AT COMPLETION OF PLACEMENT OF MATERIAL. REMAINING 40% WILL BE PAID AFTER ALL WATERING HAS BEEN COMPLETED.
- IF PRESENT, ENTIRE WIRE BASKET SHALL BE REMOVED FROM ROOT BALL AFTER TREE IS SET IN TREE PIT.

**MULCH REQUIREMENTS (FOR INFORMATION PURPOSES ONLY):**

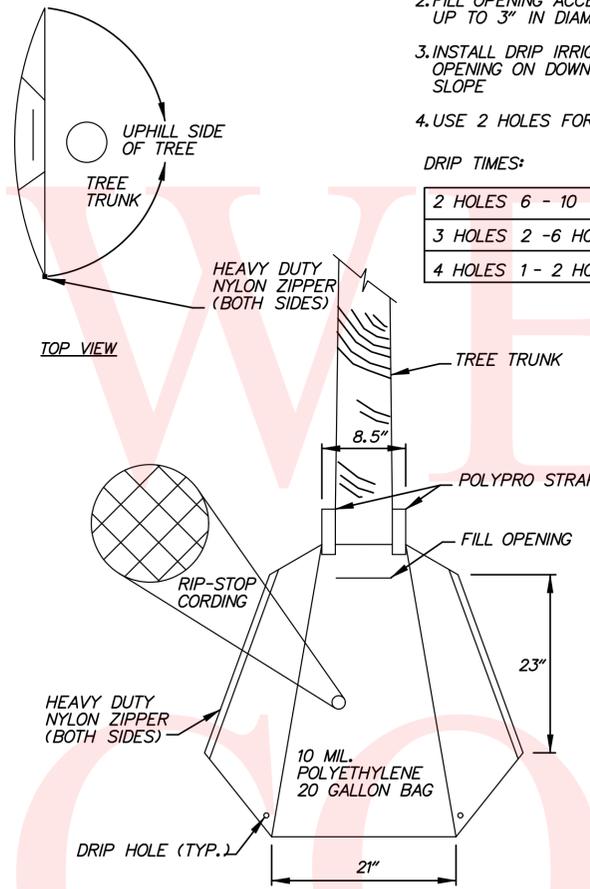
4" THICK SHREDDED HARDWOOD MULCH FOR TREES: (INCIDENTAL TO ITEM 737523)	28 S.Y.
4" THICK SHREDDED HARDWOOD MULCH FOR LANDSCAPE BEDS: (IN ACCORDANCE WITH ITEM 737002 - MULCHING, PLANTS)	173 S.Y.
<b>TOTAL MULCH REQUIRED:</b>	<b>201 S.Y.</b>

**NOTES:**

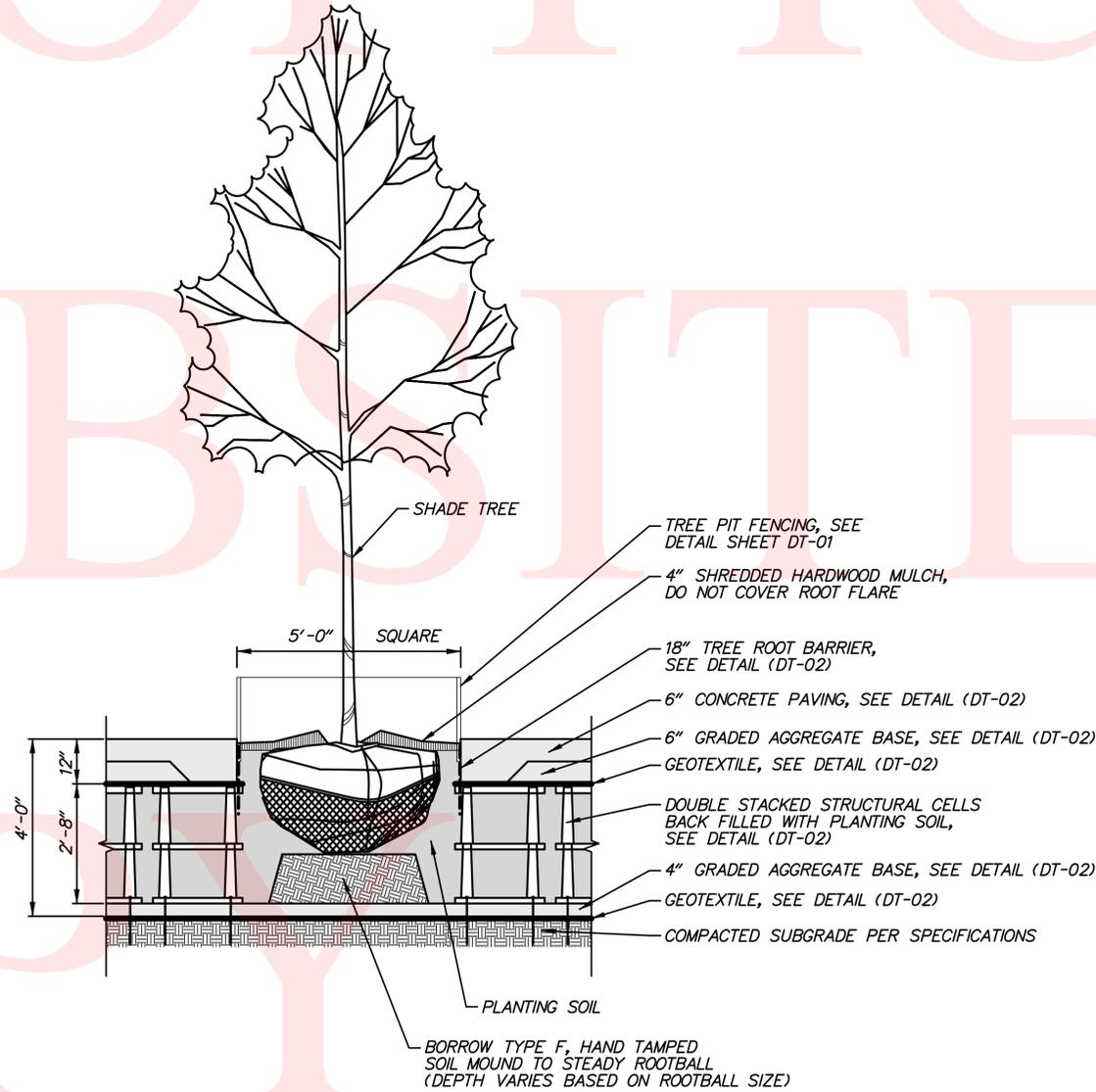
- 10 MIL. POLYETHYLENE - UV TREATED AND REINFORCED
- FILL OPENING ACCEPTS HOSES UP TO 3" IN DIAMETER
- INSTALL DRIP IRRIGATION BAG OPENING ON DOWNHILL SIDE OF SLOPE
- USE 2 HOLES FOR IRRIGATION

**DRIP TIMES:**

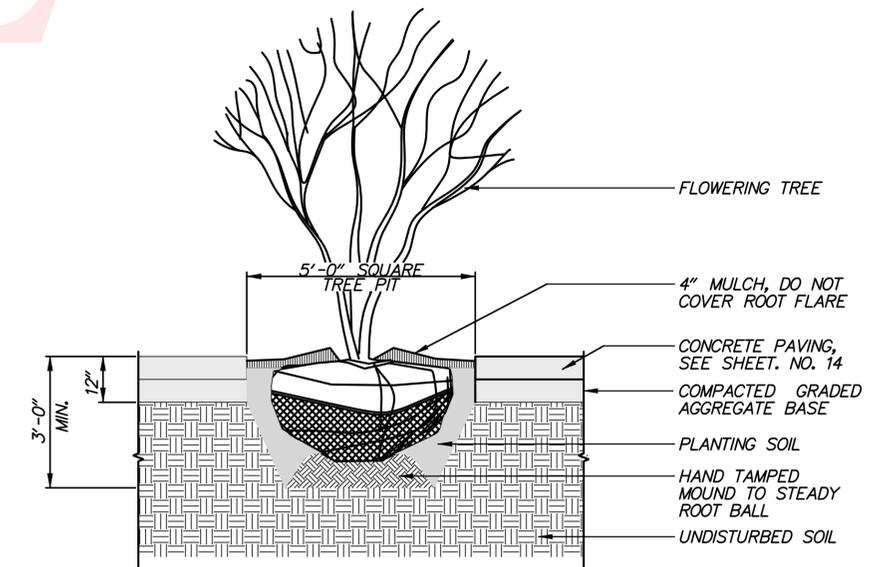
2 HOLES	6 - 10 HOURS
3 HOLES	2 - 6 HOURS
4 HOLES	1 - 2 HOURS



**PORTABLE DRIP IRRIGATION BAG DETAIL**  
SCALE: NONE



**TYPICAL SHADE TREE PIT DETAIL**  
SCALE: NONE



**TYPICAL FLOWERING TREE PIT DETAIL**  
SCALE: NONE

No. 221678-004, 15A00, 15S02, RODIN.dgn 9/22/2011 11:55:15 AM

LIGHTING GENERAL NOTES

1. INSTALLATION OF ALL ELECTRICAL WORK SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NFPA 70), AND ALL APPLICABLE LOCAL CODES.
2. CONDUIT RUNS ARE SHOWN DIAGRAMMATICALLY ONLY AND SHALL BE INSTALLED IN A MANNER TO PREVENT CONFLICTS WITH EQUIPMENT AND STRUCTURAL CONDITIONS. EXPOSED CONDUITS IN BUS SHELTERS AND UTILITY ROOM SHALL BE INSTALLED PARALLEL TO THE BEAMS AND WALLS.
3. PROVIDE ALL REQUIRED PULL BOXES AND JUNCTION BOXES FOR INSTALLATION OF THE WIRING IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS AND REQUIRED BY CODE THOUGH THE BOXES MAY NOT BE INDICATED ON THE DRAWINGS.
4. THE WIRING DIAGRAMS, QUANTITY AND SIZE OF WIRES AND CONDUITS ARE BASED UPON SELECTED STANDARD COMPONENTS OF ELECTRICAL EQUIPMENT. MODIFICATIONS, APPROVED BY THE ENGINEER, MAY BE MADE BY THE CONTRACTOR AT HIS EXPENSE TO ACCOMMODATE EQUIPMENT ACTUALLY PURCHASED.
5. PROVIDE ALL NECESSARY COMPONENTS REQUIRED FOR MAKING FINAL CONNECTION OF ALL EQUIPMENT INSTALLED AS PART OF THIS CONTRACT.
6. ALL ELECTRICAL EQUIPMENT INSTALLED AGAINST CONCRETE OR MASONRY WALLS SHALL BE INSTALLED WITH IN 1/4" SPACE BETWEEN THE EQUIPMENT AND THE MOUNTING SURFACE. SPACERS SHALL BE STAINLESS STEEL, PVC OR NYLON.
7. ALL JUNCTION AND PULL BOXES SHALL BE LABELED WITH THEIR VOLTAGE, PANEL AND CIRCUIT NUMBER.
8. DRAWINGS ARE DIAGRAMMATIC, ACTUAL LOCATION OF EQUIPMENT TO BE DETERMINED IN THE FIELD. NEW EQUIPMENT SHALL FIT INTO AVAILABLE SPACE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE EQUIPMENT WHICH MEETS THE SPACE REQUIREMENT.
9. COORDINATE WORK SCHEDULE WITH OWNER. WORK WILL BE ALLOWED IN CERTAIN AREAS AND GOVERNED BY EXISTING SECURITY REGULATIONS AT THE SITE. WORK SHALL ALLOW FOR DAILY OPERATION OF BUS SHELTER WITHOUT INTERRUPTION.
10. CONTRACTOR SHALL SUBMIT A LIST OF ALL MAJOR EQUIPMENT AND FIXTURES TO THE ENGINEER FOR REVIEW AND APPROVAL. NO SUBSTITUTIONS WILL BE ALLOWED WITHOUT THE PERMISSION OF THE ENGINEER IN WRITING. ALL EQUIPMENT SHALL BE NEW AND BEAR THE MANUFACTURER'S NAME AND TRADE NAME. ALL EQUIPMENT SHALL BE UL LISTED.
11. THE CIRCUIT NUMBERS ARE FOR IDENTIFICATION PURPOSE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR BALANCING LOADS AND CORRECTLY PHASING THE CIRCUITS IN PANELBOARDS.
12. ALL 120 VOLT RECEPTACLE BRANCH CIRCUITS LONGER THAN 100 FEET FROM PANELBOARD TO LAST OUTLET SHALL UTILIZE #10AWG OR LARGER WIRES.
13. WHERE ELECTRICAL INSTALLATIONS DEPEND UPON WORK OF OTHER TRADES, THE ELECTRICAL CONTRACTOR SHALL ENSURE THAT NECESSARY INSTRUCTIONS, TEMPLATES, MATERIALS, ETC. ARE PROVIDED AND SUPERVISE THE WORK OF THE OTHER TRADES FOR QUALITY AND CODE COMPLIANCE.
14. CONTRACTOR SHALL VISIT THE JOB SITE AND EXAMINE THE EXISTING CONDITIONS THAT MAY AFFECT HIS WORK.
15. CONTRACTOR SHALL OBTAIN A WRITTEN PERMISSION FROM THE OWNER TO DEENERGIZE ANY ENERGIZED BUILDING EQUIPMENT OR DISRUPT ANY COMMUNICATION LINE.
16. OPENINGS AND PASSAGE OF CONDUITS OR WIREWAYS THROUGH FLOOR SLABS AND FIRE RATED WALLS OR PARTITIONS SHALL BE PROVIDED WITH UL LISTED FIRE RATED SLEEVING SYSTEMS AS MANUFACTURED BY PROSET SYSTEMS INC.
17. DO NOT INSTALL MORE THAN THREE CIRCUITS IN ONE HOMERUN UON.
18. NUMBER ADJACENT TO LIGHT, RECEPTACLE OR OTHER DEVICES INDICATE PANEL SERVING THE DEVICE OR EQUIPMENT AND CIRCUIT NUMBER. PROVIDE COMPLETE WIRING IN CONDUIT.
19. SERIES RATING OF CIRCUIT BREAKERS SHALL NOT BE ALLOWED UNLESS SPECIFICALLY INDICATED ON CONTRACT DRAWINGS.
20. ALL WORK SHOWN ON THE DRAWINGS SHALL BE NEW UNLESS OTHERWISE NOTED.
21. THE EXISTING BUS SHELTERS SHALL BE KEPT OPERATIONAL DURING CONSTRUCTION. PROVIDE TEMPORARY POWER TO KEEP EXISTING BUS SHELTERS OPERATIONAL DURING POWER OUTAGE. OBTAIN TEMPORARY POWER FROM THE UTILITY BUILDING OR PORTABLE GENERATOR. ALL ASSOCIATED COST SHALL BE BORNE BY THE CONTRACTOR.
22. PROVIDE PULL STRINGS IN ALL EMPTY CONDUIT TO FACILITATE PULLING OF CABLES IN FUTURE.
23. ALL CONDUITS SHALL BE ABLE TO FIT WITHIN THE STRUCTURAL CELL OPENINGS AS SHOWN ON THE LANDSCAPE DRAWINGS.
24. PROVIDE WEATHERPROOF FITTINGS TO RECONNECT NEW CONDUITS TO EXISTING CONDUITS THAT WILL BE REUSED TO RECONNECT BRANCH CIRCUITS TO DECORATIVE PILLAR LIGHTS, PEDESTRIAN LIGHTS, BUS SHELTERS AND FOUNTAIN.
25. PROVIDE WEATHERPROOF FITTINGS TO RECONNECT NEW CONDUITS TO EXISTING CONDUITS THAT WILL BE REUSED TO RECONNECT BRANCH CIRCUITS TO PANELBOARDS IN UTILITY ROOM.
26. THE CONTRACTOR SHALL PROVIDE FOUR SETS OF RED-LINED AS BUILT TO THE ENGINEER SHOWING OFFSETS FROM THE FACE OF CURB AND DEPTH OF CONDUIT FROM TOP OF CURB.

ABBREVIATIONS DESCRIPTIONS

A	AMPERES
AC	ALTERNATING CURRENT
AIC	AMPERES INTERRUPTING CAPACITY, (SYM, RMS AMPS)
AL	ALUMINUM
AWG	AMERICAN WIRE GAUGE
BLDG	BUILDING
BKR	BREAKER
C	CONDUIT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CU	COPPER
DWG	DRAWING
EA	EACH
ELEV	ELEVATION
ENCL	ENCLOSURE
ETR	EXISTING TO REMAIN
EX, EXIST	EXISTING
FL	FLOOR
FT	FOOT OR FEET
G	GROUND
GFI	GROUND FAULT INTERRUPTER
GFP	GROUND FAULT PROTECTION
HZ	HERTZ
JB	JUNCTION BOX
KAIC	THOUSAND AMPERES INTERRUPTING CAPACITY
KV	KILOVOLT
KVA	KILOVOLT AMPERE
LTG	LIGHTING
LP	LIGHTING AND APPLIANCE PANEL
LST	LIGHTING STANDARD
MCB	MAIN CIRCUIT BREAKER
MCCB	MOLDED CASE CIRCUIT BREAKER
MH	MOUNTING HEIGHT
MIN	MINIMUM
MTD	MOUNTED
MTG	MOUNTING
N	NEUTRAL
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
NO	NUMBER
NTS	NOT TO SCALE
OLT	DECORATIVE LIGHTING FIXTURE
PH	PHASE
PNL	PANELBOARD
RECEPT	RECEPTACLE
REQ'D	REQUIRED
RGS	RIGID GALVANIZED STEEL
RX	REMOVE EXISTING
SS	STAINLESS STEEL
SW	SWITCH
SYS	SYSTEM
TBJ	TREE JUNCTION BOX
TYP	TYPICAL
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
V	VOLTS OR VOLTAGE
W	WIRE
WP	WEATHERPROOF
XFMR	TRANSFORMER
PH	PHASE

COPY SITE OFFICIAL

No: 21678-004.5400.1101.RODN.dgn  
9/22/2011 11:55:50 AM



ADDENDUMS / REVISIONS	

NOT TO SCALE

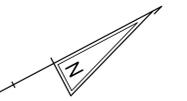
RODNEY SQUARE  
BEAUTIFICATION, PHASE 1

CONTRACT	BRIDGE NO.	N/A
T200820013	DESIGNED BY: M.J.C.	
COUNTY	CHECKED BY: T.A.O.	
NEW CASTLE		

LIGHTING NOTES
SHEET NO.
31
TOTAL SHTS.
42

LI-01
-------

26-035.20-039  
E.I. DUPONT DENEMOURS AND COMPANY  
INSTR#: 20030828-0105475

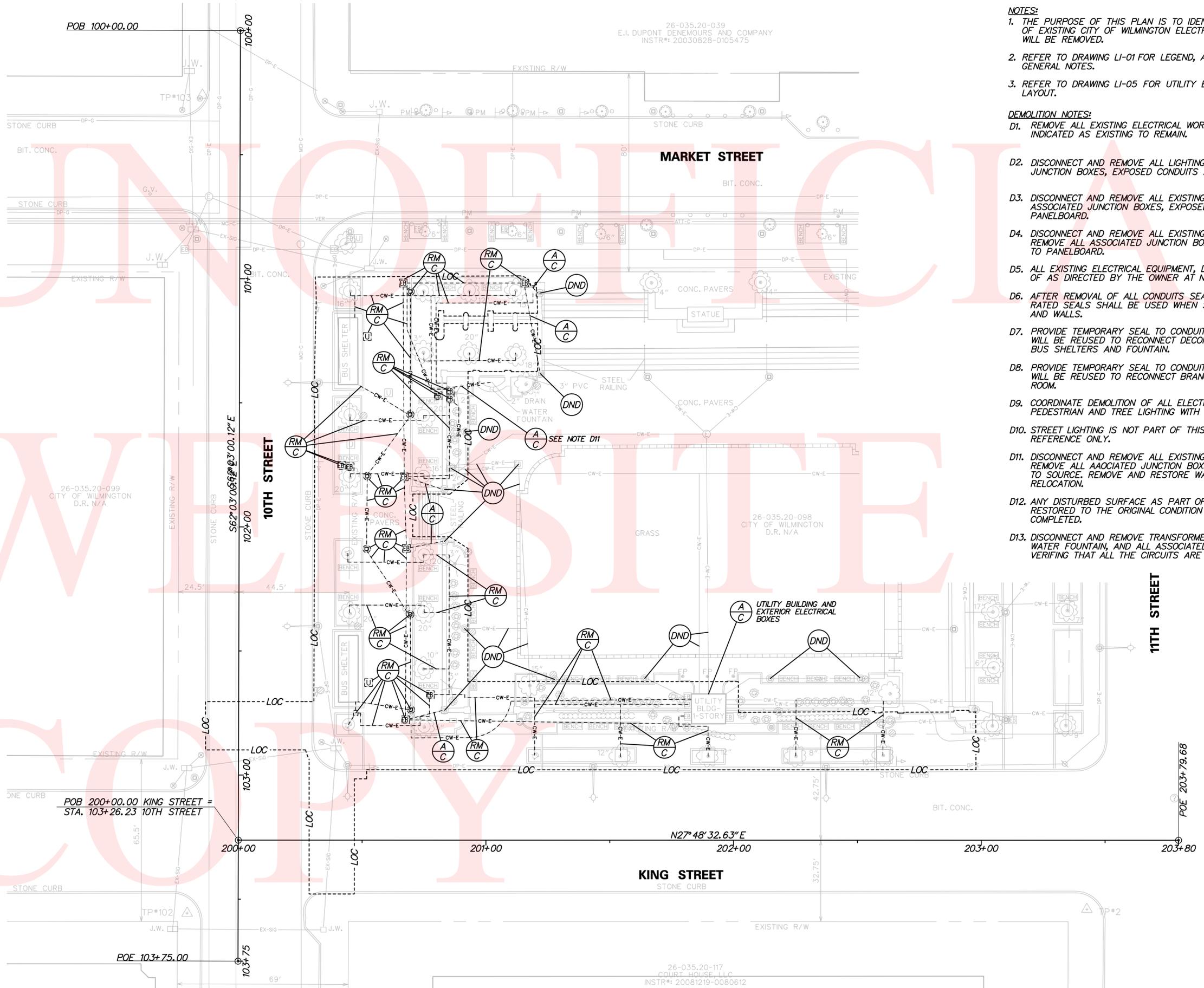


**NOTES:**

1. THE PURPOSE OF THIS PLAN IS TO IDENTIFY THE LOCATIONS OF EXISTING CITY OF WILMINGTON ELECTRICAL THAT WILL BE REMOVED.
2. REFER TO DRAWING LI-01 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES.
3. REFER TO DRAWING LI-05 FOR UTILITY BUILDING EQUIPMENT LAYOUT.

**DEMOLITION NOTES:**

- D1. REMOVE ALL EXISTING ELECTRICAL WORK UNLESS SHOWN OTHERWISE OR INDICATED AS EXISTING TO REMAIN.
- D2. DISCONNECT AND REMOVE ALL LIGHTING FIXTURES. REMOVE ALL ASSOCIATED JUNCTION BOXES, EXPOSED CONDUITS AND WIRES BACK TO PANELBOARD.
- D3. DISCONNECT AND REMOVE ALL EXISTING TREE WELL RECEPTACLES. REMOVE ALL ASSOCIATED JUNCTION BOXES, EXPOSED CONDUITS AND WIRES BACK TO PANELBOARD.
- D4. DISCONNECT AND REMOVE ALL EXISTING BUS SHELTERS POWER CIRCUITS. REMOVE ALL ASSOCIATED JUNCTION BOXES, EXPOSED CONDUITS AND WIRES BACK TO PANELBOARD.
- D5. ALL EXISTING ELECTRICAL EQUIPMENT, DEVICES AND WIRES SHALL BE DISPOSED OF AS DIRECTED BY THE OWNER AT NO EXTRA COST.
- D6. AFTER REMOVAL OF ALL CONDUITS SEAL ALL FLOOR AND WALL PENETRATIONS. RATED SEALS SHALL BE USED WHEN SEALING PENETRATIONS IN RATED FLOORS AND WALLS.
- D7. PROVIDE TEMPORARY SEAL TO CONDUITS CONCEALED IN SLAB OR WALL THAT WILL BE REUSED TO RECONNECT DECORATIVE PILLAR LIGHTS, PEDESTRIAN LIGHTS, BUS SHELTERS AND FOUNTAIN.
- D8. PROVIDE TEMPORARY SEAL TO CONDUITS CONCEALED IN SLAB OR WALL THAT WILL BE REUSED TO RECONNECT BRANCH CIRCUITS TO PANELBOARDS IN UTILITY ROOM.
- D9. COORDINATE DEMOLITION OF ALL ELECTRICAL DEVICES, AND WIRING RELATED TO PEDESTRIAN AND TREE LIGHTING WITH OTHER TRADES.
- D10. STREET LIGHTING IS NOT PART OF THIS CONTRACT AND IS SHOWN FOR REFERENCE ONLY.
- D11. DISCONNECT AND REMOVE ALL EXISTING WEST WATER FOUNTAIN POWER CIRCUITS. REMOVE ALL ASSOCIATED JUNCTION BOXES, EXPOSED CONDUITS AND WIRES BACK TO SOURCE. REMOVE AND RESTORE WATER FOUNTAIN CONTROL FOR FUTURE RELOCATION.
- D12. ANY DISTURBED SURFACE AS PART OF THE DEMOLITION WORK SHALL BE RESTORED TO THE ORIGINAL CONDITION AFTER THE DEMOLITION WORK IS COMPLETED.
- D13. DISCONNECT AND REMOVE TRANSFORMER AND PANELBOARD SERVING THE WEST WATER FOUNTAIN, AND ALL ASSOCIATED EXPOSED WIRES AND CONDUITS AFTER VERIFYING THAT ALL THE CIRCUITS ARE INACTIVE.



26-035.20-099  
CITY OF WILMINGTON  
D.R. N/A

26-035.20-098  
CITY OF WILMINGTON  
D.R. N/A

26-035.20-117  
COURT HOUSE, LLC  
INSTR#: 20081219-0080612

No. 21678-004, 5/20/11, 11:58:52 AM



ADDENDUMS / REVISIONS	



**RODNEY SQUARE  
BEAUTIFICATION, PHASE 1**

CONTRACT T200820013	BRIDGE NO. N/A
COUNTY NEW CASTLE	DESIGNED BY: M.J.C.
	CHECKED BY: T.A.O.

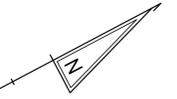
**LIGHTING  
DEMOLITION PLAN**

LI-02
SHEET NO. 32
TOTAL SHTS. 42

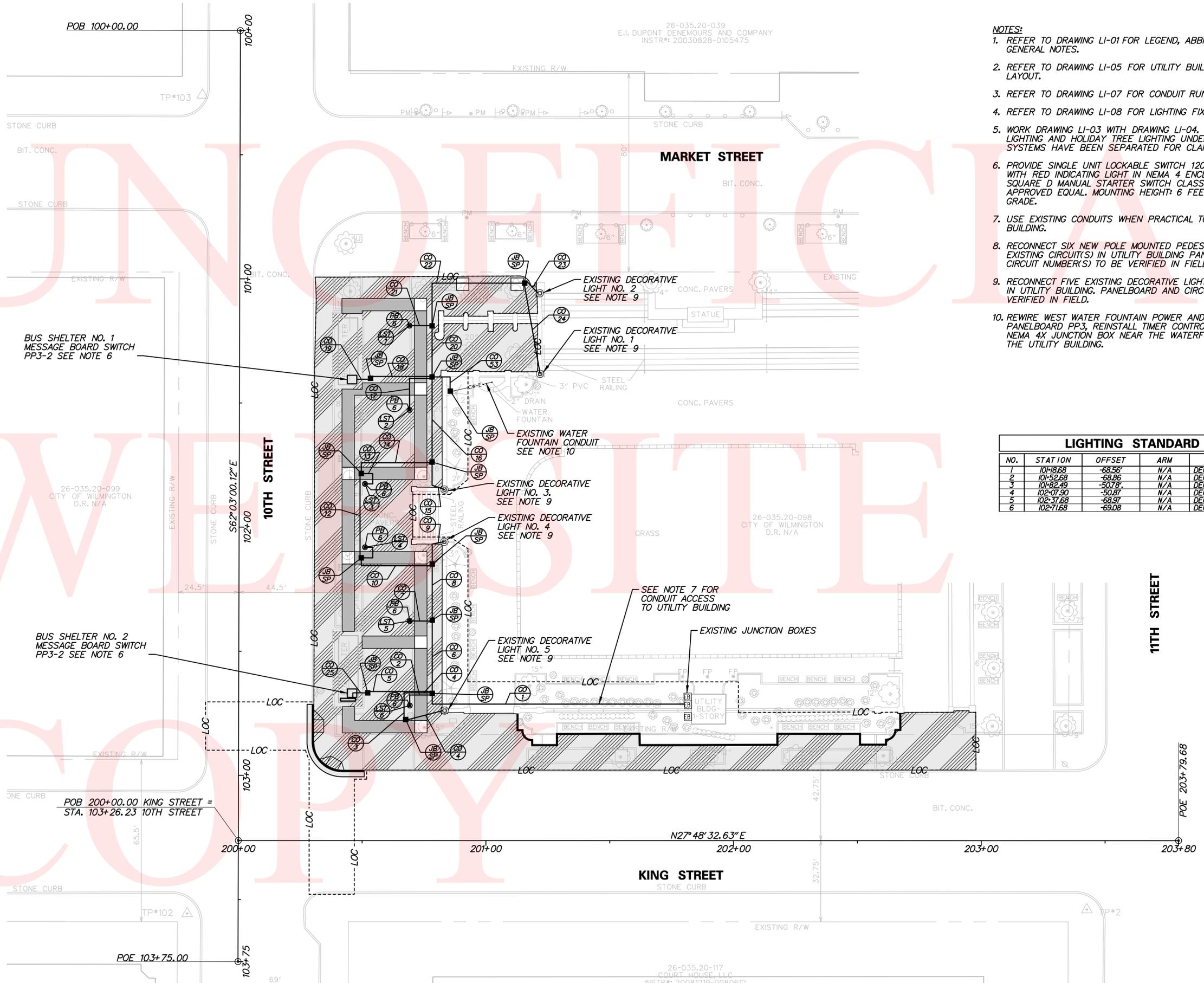
26-035.20-039  
E.I. DUPONT DENEMOURS AND COMPANY  
INSTR#: 20030828-0105475

**NOTES:**

- REFER TO DRAWING LI-01 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES.
- REFER TO DRAWING LI-05 FOR UTILITY BUILDING EQUIPMENT LAYOUT.
- REFER TO DRAWING LI-07 FOR CONDUIT RUN SCHEDULE.
- REFER TO DRAWING LI-08 FOR LIGHTING FIXTURE TYPE.
- WORK DRAWING LI-03 WITH DRAWING LI-04. PEDESTRIAN LIGHTING AND HOLIDAY TREE LIGHTING UNDERGROUND RACEWAY SYSTEMS HAVE BEEN SEPARATED FOR CLARITY.
- PROVIDE SINGLE UNIT LOCKABLE SWITCH 120V, SINGLE POLE WITH RED INDICATING LIGHT IN NEMA 4 ENCLOSURE. SQUARE D MANUAL STARTER SWITCH CLASS 2510-FWIP OR APPROVED EQUAL. MOUNTING HEIGHT: 6 FEET ABOVE FINISHED GRADE.
- USE EXISTING CONDUITS WHEN PRACTICAL TO ACCESS THE UTILITY BUILDING.
- RECONNECT SIX NEW POLE MOUNTED PEDESTRIAN LIGHTS TO EXISTING CIRCUIT(S) IN UTILITY BUILDING PANELBOARD PP-2. CIRCUIT NUMBER(S) TO BE VERIFIED IN FIELD.
- RECONNECT FIVE EXISTING DECORATIVE LIGHTS TO EXISTING CIRCUIT(S) IN UTILITY BUILDING. PANELBOARD AND CIRCUIT NUMBER(S) TO BE VERIFIED IN FIELD.
- REWIRE WEST WATER FOUNTAIN POWER AND CONTROL TO NEW PANELBOARD PP3, REINSTALL TIMER CONTROL IN A WALL MOUNTED NEMA 4X JUNCTION BOX NEAR THE WATERFOUNTAIN. CIRCUIT 2 IN THE UTILITY BUILDING.



LIGHTING STANDARD SCHEDULE				
NO.	STATION	OFFSET	ARM	LIGHT STANDARD
1	10+18.68	-68.56'	N/A	DECORATIVE LIGHT STANDARD
2	10+52.68	-68.86'	N/A	DECORATIVE LIGHT STANDARD
3	10+82.49	-50.78'	N/A	DECORATIVE LIGHT STANDARD
4	102+07.90	-50.87'	N/A	DECORATIVE LIGHT STANDARD
5	102+37.68	-68.97'	N/A	DECORATIVE LIGHT STANDARD
6	102+11.68	-69.08'	N/A	DECORATIVE LIGHT STANDARD



BUS SHELTER NO. 1  
MESSAGE BOARD SWITCH  
PP3-2 SEE NOTE 6

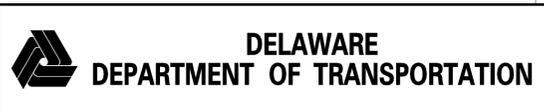
BUS SHELTER NO. 2  
MESSAGE BOARD SWITCH  
PP3-2 SEE NOTE 6

26-035.20-099  
CITY OF WILMINGTON  
D.R. N/A

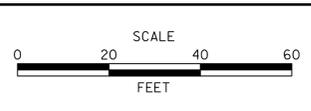
26-035.20-098  
CITY OF WILMINGTON  
D.R. N/A

26-035.20-117  
COURT HOUSE, LLC  
INSTR#: 20081219-0080612

No. 21678-004, 504D, U03, RODN.dgn  
9/22/2011 11:58:53 AM



ADDENDUMS / REVISIONS



**RODNEY SQUARE  
BEAUTIFICATION, PHASE 1**

CONTRACT T200820013	BRIDGE NO. N/A
COUNTY NEW CASTLE	DESIGNED BY: M.J.C. CHECKED BY: T.A.O.

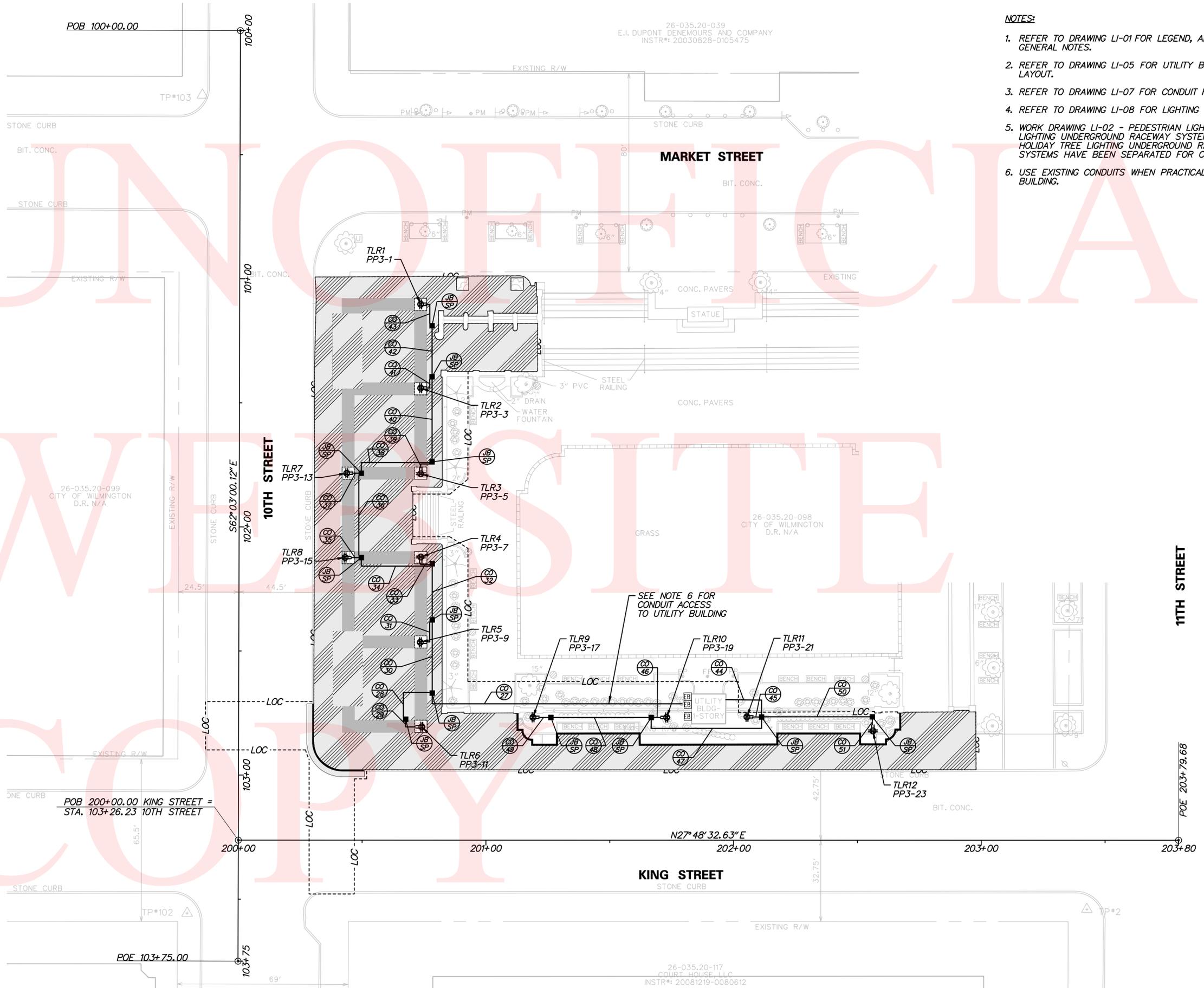
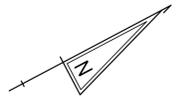
**LIGHTING PLAN**

LI-03
SHEET NO. 33
TOTAL SHTS. 42

26-035.20-039  
E.I. DUPONT DENEMOURS AND COMPANY  
INSTR#: 20030828-0105475

**NOTES:**

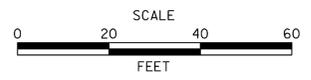
1. REFER TO DRAWING LI-01 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES.
2. REFER TO DRAWING LI-05 FOR UTILITY BUILDING EQUIPMENT LAYOUT.
3. REFER TO DRAWING LI-07 FOR CONDUIT RUN SCHEDULE.
4. REFER TO DRAWING LI-08 FOR LIGHTING FIXTURE TYPE.
5. WORK DRAWING LI-02 - PEDESTRIAN LIGHTING AND DECORATIVE LIGHTING UNDERGROUND RACEWAY SYSTEM WITH DRAWING LI-03 - HOLIDAY TREE LIGHTING UNDERGROUND RACEWAY SYSTEM. SYSTEMS HAVE BEEN SEPARATED FOR CLARITY.
6. USE EXISTING CONDUITS WHEN PRACTICAL TO ACCESS THE UTILITY BUILDING.



No. 21678-004.000.LU04.RODNY.dgn  
9/22/2011 11:57:23 AM



ADDENDUMS / REVISIONS



**RODNEY SQUARE**  
**BEAUTIFICATION, PHASE 1**

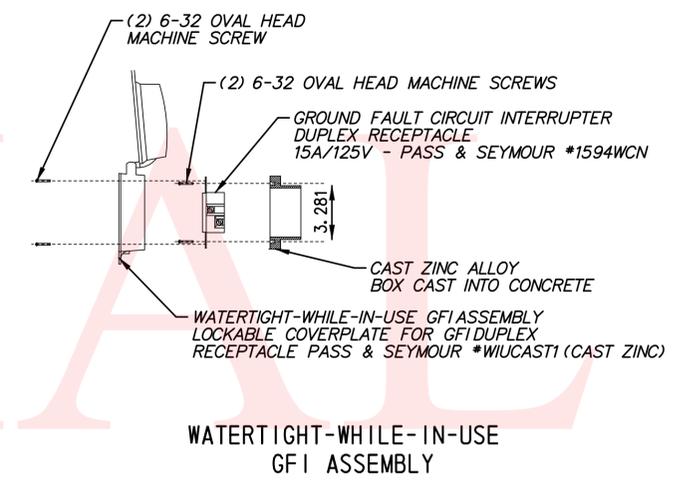
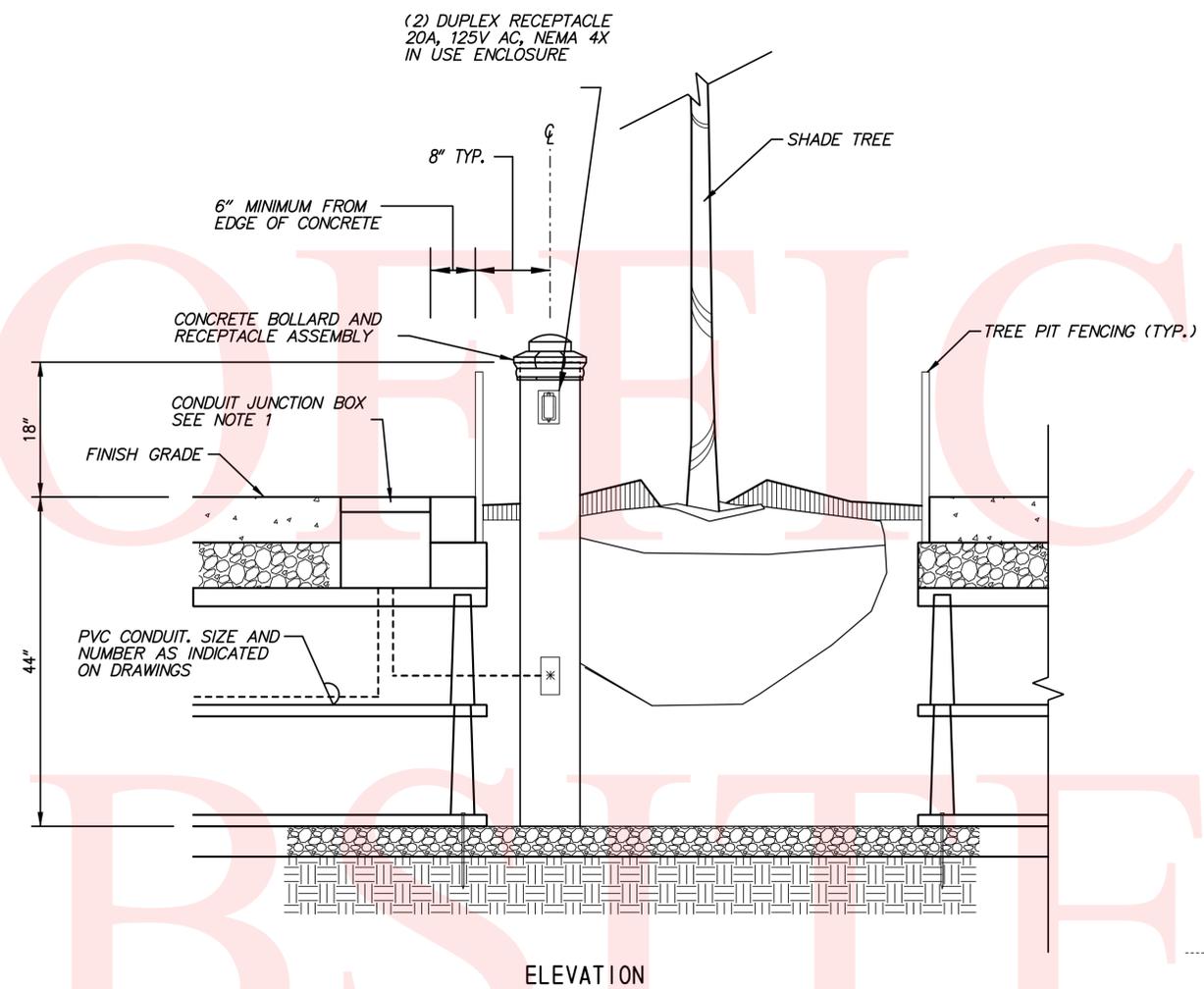
CONTRACT T200820013	BRIDGE NO. N/A
COUNTY NEW CASTLE	DESIGNED BY: M.J.C. CHECKED BY: T.A.O.

**LIGHTING PLAN**

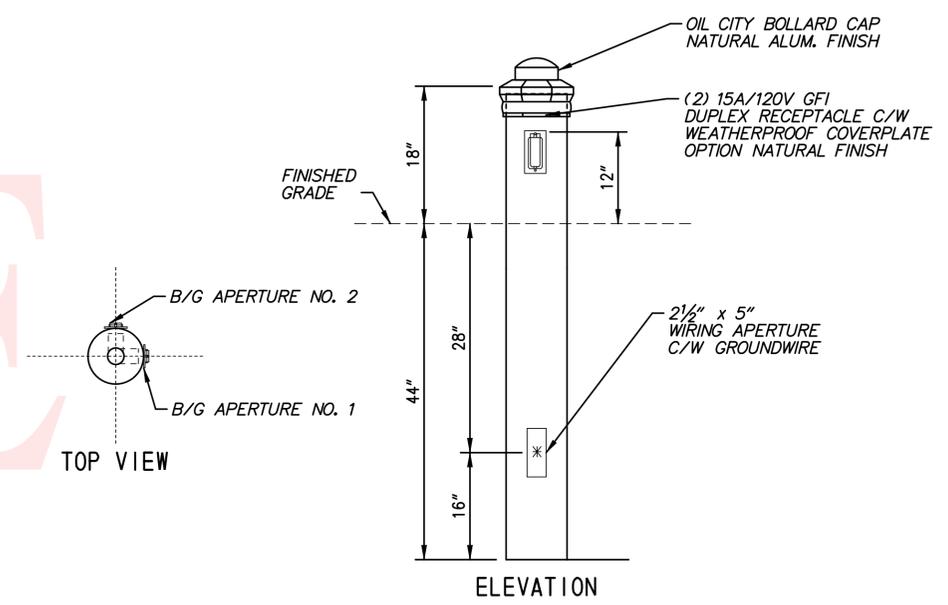
<b>LI-04</b>
SHEET NO. 34
TOTAL SHTS. 42



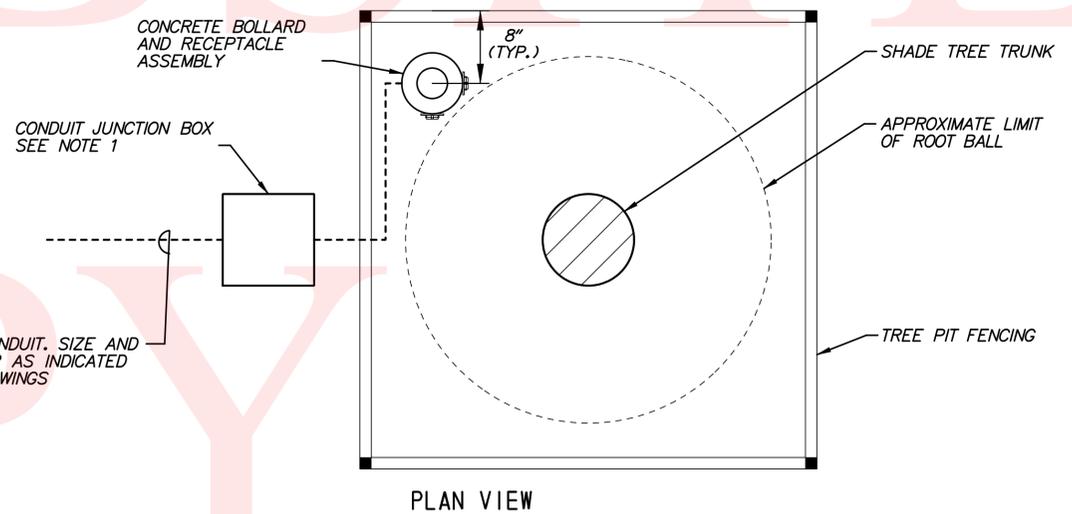
UNOFFICIAL  
WEB SITE  
COPY



**WATERTIGHT-WHILE-IN-USE  
GFI ASSEMBLY**



**CONCRETE BOLLARD AND  
TREE LIGHTING RECEPTACLE ASSEMBLY**  
SCALE: NONE



**TREE LIGHTING JUNCTION BOX DETAIL**  
SCALE: NONE

**NOTES:**  
1. POLYMER CONCRETE JUNCTION BOX WITH SOLID BOTTOM, NEMA 4X, 0.5 COF SKID RESISTANCE SURFACE. PROVIDE DRAIN HOLE.

No. 21678-004, 5/20/00, LUG, RODN.dgn  
P. 2/27/01, 11:55:23 AM

ADDENDUMS / REVISIONS	

CONTRACT	BRIDGE NO.	N/A
T200820013	DESIGNED BY:	M.J.C.
COUNTY	CHECKED BY:	T.A.O.
NEW CASTLE		

POWER PANELBOARD PP3 (NEW)									
10,000 RMS AIC NEMA 1 ENCLOSURE			225 AMP BUS 120/208 VOLTS SURFACE MOUNTED				200 MCB 3 PHASE, 4 WIRE + GROUND PANEL LOCATION: UTILITY BUILDING		
LOAD SERVED	CIRCUIT BREAKER			CKT. NO.	CIRCUIT BREAKER			LOAD SERVED	
	FRAME	TRIP	P		NO.	P	TRIP		FRAME
TREE LTG. RECEPT. TLR1 - 2*4, 1*10G	100	20	1	1	2	1	20	100	WEST WATER FOUNTAIN 2*6, 1*10G
TREE LTG. RECEPT. TLR2 - 2*4, 1*10G	100	20	1	3	4	1	20	100	SPARE
TREE LTG. RECEPT. TLR3 - 2*4, 1*10G	100	20	1	5	6	1	20	100	SPARE
TREE LTG. RECEPT. TLR4 - 2*6, 1*10G	100	20	1	7	8	1	20	100	SPARE
TREE LTG. RECEPT. TLR5 - 2*6, 1*10G	100	20	1	9	10	1	20	100	SPARE
TREE LTG. RECEPT. TLR6 - 2*8, 1*10G	100	20	1	11	12	1	20	100	SPARE
TREE LTG. RECEPT. TLR7 - 2*4, 1*10G	100	20	1	13	14				SPACE
TREE LTG. RECEPT. TLR8 - 2*6, 1*10G	100	20	1	15	16				SPACE
TREE LTG. RECEPT. TLR9 - 2*8, 1*10G	100	20	1	17	18				SPACE
TREE LTG. RECEPT. TLR10 - 2*10, 1*10G	100	20	1	19	20				SPACE
TREE LTG. RECEPT. TLR11 - 2*10, 1*10G	100	20	1	21	22				SPACE
TREE LTG. RECEPT. TLR12 - 2*10, 1*10G	100	20	1	23	24				SPACE
SPARE	100	20	1	25	26				SPACE
SPARE	100	20	1	27	28				SPACE
SPARE	100	20	1	29	30				SPACE
SPARE	100	20	1	31	32				SPACE
SPACE	100	20	1	33	34				SPACE
SPACE				35	36				SPACE
SPACE				37	38				SPACE
SPACE				39	40				SPACE
SPACE				41	42				SPACE

POWER PANELBOARD PP2 (EXISTING) [3] [4]									
22,000 RMS AIC GE "A" SERIES MODEL AWF			400 AMP BUS 120/208 VOLTS SURFACE MOUNTED				400 MCB 3 PHASE, 4 WIRE + GROUND PANEL LOCATION: UTILITY BUILDING		
LOAD SERVED	CIRCUIT BREAKER			CKT. NO.	CIRCUIT BREAKER			LOAD SERVED	
	FRAME	TRIP	P		NO.	P	TRIP		FRAME
	100	20	1	1	2	1	20	100	
	100	20	1	3	4	1	20	100	
	100	20	1	5	6	1	20	100	
	100	20	1	7	8	1	20	100	
	100	20	1	9	10	1	20	100	11TH ST. AND REC LAMP POST
10TH ST REC INSIDE LAMP POST	100	20	1	11	12	1	20	100	XMAS TREE
TREE	100	20	1	13	14	1	20	100	
	100	20	1	15	16	1	20	100	
	100	20	1	17	18	1	20	100	
	100	20	1	19	20	2	20	100	
	100	20	1	21	22	--	--	--	
	100	20	1	23	24	1	20	100	LIGHTING CONTROL LC-B
10TH ST BUS SIGN. LAMP POST	100	20	1	25	26	1	20	100	LIGHTING CONTROL LC-B
11 ST LAMP POST	100	20	1	27	28	1	20	100	LIGHTING CONTROL LC-B
SPARE	100	20	1	29	30	1	20	100	LIGHTING CONTROL LC-B
SPARE	100	20	1	31	32	3	100	100	AUDIO JAZZ FEST
SPARE	100	20	1	33	34	--	--	--	
TRAILER	100	50	2	35	36	--	--	--	
	--	--	--	37	38	3	100	100	VIDEO JAZZ FEST
	100	20	2	39	40	--	--	--	
	--	--	--	41	42	--	--	--	

- NOTES:
- PANELBOARD SCHEDULE PROVIDED FOR INFORMATION ONLY. ALL CIRCUIT BREAKERS SHOWN ARE EXISTING. CIRCUITS TO BE VERIFIED IN FIELD.
  - PROVIDE COMPLETE UPDATED PANEL SCHEDULE REFLECTING NEW WORK.

CONDUIT RUN SCHEDULE									
CO#	# OF CONDUITS	FROM	TO	SIZE	LENGTH	B/T/O	AMOUNT AND TYPE OF CABLE/ WIRE	NOTES	
1	1	EXISTING PANELBOARD	JB	2.0 IN	135 FT	T	(6) 1*8 AWG, (2) 1*6 AWG, (1) 1*10 GROUND		
2	1	JB	LST6	1.5 IN	15 FT	T	(2) 1*10 AWG, (1) 1*10 GROUND	SEE NOTE 1	
3	1	JB	JB	2.0 IN	25 FT	T	(2) 1*8 AWG, (1) 1*10 GROUND		
4	1	JB	OLT5	1.5 IN	16 FT	T	(2) 1*10 AWG, (1) 1*10 GROUND		
5	1	JB	JB	2.0 IN	30 FT	T	(2) 1*8 AWG, (1) 1*10 GROUND	SEE NOTE 6	
6	1	JB	JB	2.0 IN	30 FT	T	(4) 1*8 AWG, (2) 1*6 AWG, (1) 1*10 GROUND		
7	1	JB	LST5	1.5 IN	10 FT	T	(2) 1*10 AWG, (1) 1*10 GROUND	SEE NOTE 1	
8	1	JB	JB	2.0 IN	25 FT	T	(4) 1*8 AWG, (2) 1*6 AWG, (1) 1*10 GROUND		
9	1	JB	OLT4	1.5 IN	10 FT	T	(2) 1*10 AWG, (1) 1*10 GROUND		
10	1	JB	JB	2.0 IN	32 FT	T	(4) 1*8 AWG, (2) 1*6 AWG, (1) 1*10 GROUND		
11	1	JB	LST4	1.5 IN	6 FT	T	(2) 1*10 AWG, (1) 1*10 GROUND	SEE NOTE 1	
12	1	JB	JB	2.0 IN	35 FT	T	(4) 1*8 AWG, (2) 1*6 AWG, (1) 1*10 GROUND		
13	1	JB	LST3	1.5 IN	6 FT	T	(2) 1*10 AWG, (1) 1*10 GROUND	SEE NOTE 1	
14	1	JB	JB	2.0 IN	32 FT	T	(4) 1*8 AWG, (2) 1*6 AWG, (1) 1*10 GROUND		
15	1	JB	OLT3	1.5 IN	15 FT	T	(2) 1*10 AWG, (1) 1*10 GROUND		
16	1	JB	JB	2.0 IN	35 FT	T	(4) 1*8 AWG, (2) 1*6 AWG, (1) 1*10 GROUND		
17	1	JB	LST2	1.5 IN	25 FT	T	(2) 1*10 AWG, (1) 1*10 GROUND	SEE NOTE 1	
18	1	JB	JB	2.0 IN	30 FT	T	(2) 1*6 AWG, (1) 1*10 GROUND		
19	1	JB	BUS SHELTER *1	1.5 IN	20 FT	EXPOSED	(2) 1*10 AWG, (1) 1*10 GROUND	RGS, SEE NOTE 5	
20	1	JB	JB	2.0 IN	20 FT	T	(4) 1*8 AWG, (1) 1*10 GROUND		
21	1	JB	LST1	1.5 IN	10 FT	T	(2) 1*10 AWG, (1) 1*10 GROUND	SEE NOTE 1	
22	1	JB	JB	2.0 IN	50 FT	T	(2) 1*8 AWG, (1) 1*10 GROUND		
23	1	JB	OLT2	1.5 IN	10 FT	T	(2) 1*10 AWG, (1) 1*10 GROUND		
24	1	JB	OLT1	1.5 IN	40 FT	T	(2) 1*10 AWG, (1) 1*10 GROUND		
25	1	JB	BUS SHELTER *2	1.5 IN	20 FT	EXPOSED	(2) 1*10 AWG, (1) 1*10 GROUND	RGS, SEE NOTE 5	
26		NOT USED							
27	3	PANELBOARD PP3	JB	2.0 IN	135 FT	T	(2) 1*8AWG, (8) 1*6AWG, (8) 1*4AWG, 1*10G	SEE NOTE 2	
28	3	JB	JB	2.0 IN	25 FT	T	(2) 1*8 AWG, (1) 1*10 GROUND	SEE NOTE 2	
29	1	JB	TLR6	1.5 IN	8 FT	T	(2) 1*10, (1) 1*10 GROUND	RGS	
30	3	JB	JB	2.0 IN	30 FT	T	(8) 1*6 AWG, (8) 1*4 AWG, (1) 1*10 GROUND	SEE NOTE 2	
31	1	JB	TLR5	1.5 IN	10 FT	T	(2) 1*10 AWG, (1) 1*10 GROUND	RGS	
32	3	JB	JB	2.0 IN	25 FT	T	(6) 1*6 AWG, (8) 1*4 AWG, (1) 1*10 GROUND	SEE NOTE 2	
33	1	JB	TLR4	1.5 IN	4 FT	T	(2) 1*10 AWG, (1) 1*10 GROUND	RGS	
34	3	JB	JB	2.0 IN	32 FT	T	(4) 1*6 AWG, (8) 1*4 AWG, (1) 1*10 GROUND	SEE NOTE 2	
35	1	JB	TLR8	1.5 IN	4 FT	T	(2) 1*10 AWG, (1) 1*10 GROUND	RGS	
36	3	JB	JB	2.0 IN	35 FT	T	(2) 1*6 AWG, (8) 1*4 AWG, (1) 1*10 GROUND	SEE NOTE 2	
37	1	JB	TLR7	1.5 IN	4 FT	T	(2) 1*10 AWG, (1) 1*10 GROUND	RGS	
38	3	JB	JB	2.0 IN	32 FT	T	(2) 1*6 AWG, (6) 1*4 AWG, (1) 1*10 GROUND	SEE NOTE 2	
39	1	JB	TLR3	1.5 IN	4 FT	T	(2) 1*10 AWG, (1) 1*10 GROUND	RGS	
40	3	JB	JB	2.0 IN	35 FT	T	(4) 1*4 AWG, (1) 1*10 GROUND	SEE NOTE 2	
41	1	JB	TLR2	1.5 IN	4 FT	T	(2) 1*10 AWG, (1) 1*10 GROUND	RGS	
42	3	JB	JB	2.0 IN	20 FT	T	(2) 1*4 AWG, (1) 1*10 GROUND	SEE NOTE 2	
43	1	JB	TLR1	1.5 IN	10 FT	T	(2) 1*10 AWG, (1) 1*10 GROUND	RGS	
44	3	PANELBOARD PP3	JB	2.0 IN	36 FT	T	(2) 1*8 AWG, (6) 1*10 AWG, (1) 1*10 GROUND	SEE NOTE 2	
45	1	JB	TLR11	1.5 IN	4 FT	T	(2) 1*10 AWG, (1) 1*10 GROUND	RGS	
46	3	JB	JB	2.0 IN	52 FT	T	(2) 1*8 AWG, (2) 1*10 AWG, (1) 1*10 GROUND	SEE NOTE 2	
47	1	JB	TLR10	1.5 IN	4 FT	T	(2) 1*10 AWG, (1) 1*10 GROUND	RGS	
48	3	JB	JB	2.0 IN	40 FT	T	(2) 1*8 AWG, (1) 1*10 GROUND	SEE NOTE 2	
49	1	JB	TLR9	1.5 IN	4 FT	T	(2) 1*10 AWG, (1) 1*10 GROUND	RGS	
50	3	JB	JB	2.0 IN	44 FT	T	(2) 1*10 AWG, (1) 1*10 GROUND	SEE NOTE 2	
51	1	JB	TLR12	1.5 IN	4 FT	T	(2) 1*10 AWG, (1) 1*10 GROUND	RGS	
52	1	MAIN DISTRIBUTION PANEL	NEW PANELBOARD PP3	2.5 IN	40 FT	EXPOSED	(4) 1*250 KCMIL, (1) 1*4 GROUND	RGS, SEE NOTE 7	
53	1	JB	WATER FOUNTAIN	1.5 IN	35 FT	T	(2) 1*6 AWG, (1) 1*10 GROUND		

B = BORE, T = TRENCH, O = OPEN CUT  
 ALL CONDUITS ARE PVC SCHEDULE 40 UNLESS OTHERWISE NOTED  
 RGS - RIGID GALVANIZED STEEL

- NOTES:
- RECONNECT SIX NEW POLE MOUNTED LIGHTING FIXTURES WITH PHOTOCELL DIRECTLY TO EXISTING CIRCUIT IN PANELBOARD PP2. PANELBOARD AND CIRCUIT NUMBER TO BE VERIFIED IN FIELD.
  - (1) PVC CONDUIT IN USE AND (2) 2" PVC CONDUITS SPARE.
  - PANELBOARD SCHEDULE PROVIDED FOR INFORMATION ONLY. ALL CIRCUIT BREAKERS SHOWN ARE EXISTING. CIRCUITS TO BE VERIFIED IN FIELD.
  - PROVIDE COMPLETE UPDATED PANEL SCHEDULE REFLECTING NEW WORK.
  - CONNECT TO LOCKABLE SWITCH IN BUS SHELTER.
  - CONNECT TO EXISTING BUS SHELTER \*2 MESSAGE BOARD.
  - 250 KCMIL WIRE IS INCIDENTAL TO ITEM 746905 - PANELBOARD 225 AMP - 42 CIRCUITS.

No. 21678-004, 5/20/07, LU07, RODN.dgn  
 9/22/2011 11:58:50 AM



ADDENDUMS / REVISIONS	

SCALE: AS SHOWN

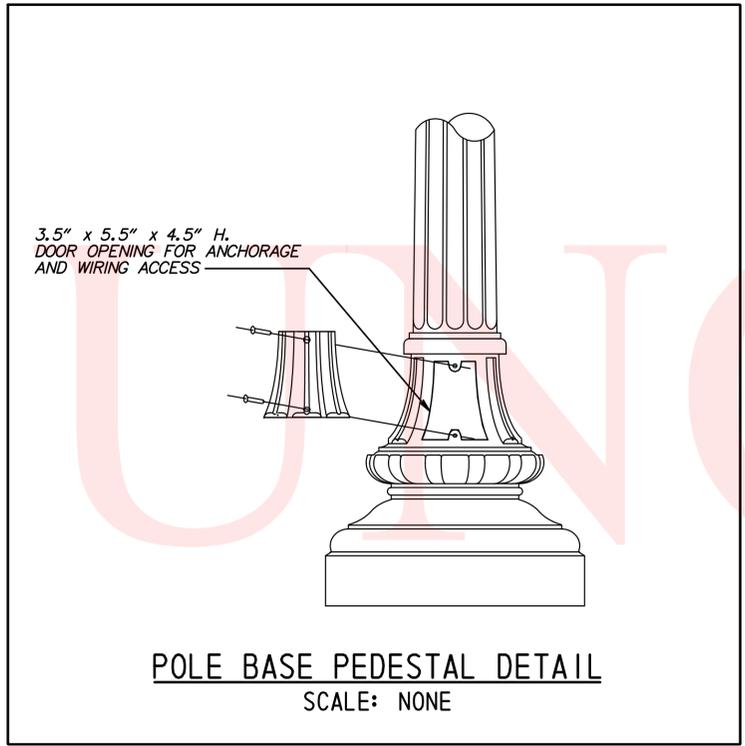
RODNEY SQUARE  
 BEAUTIFICATION, PHASE 1

CONTRACT T200820013	BRIDGE NO.	N/A
COUNTY NEW CASTLE	DESIGNED BY: M.J.C.	CHECKED BY: T.A.O.

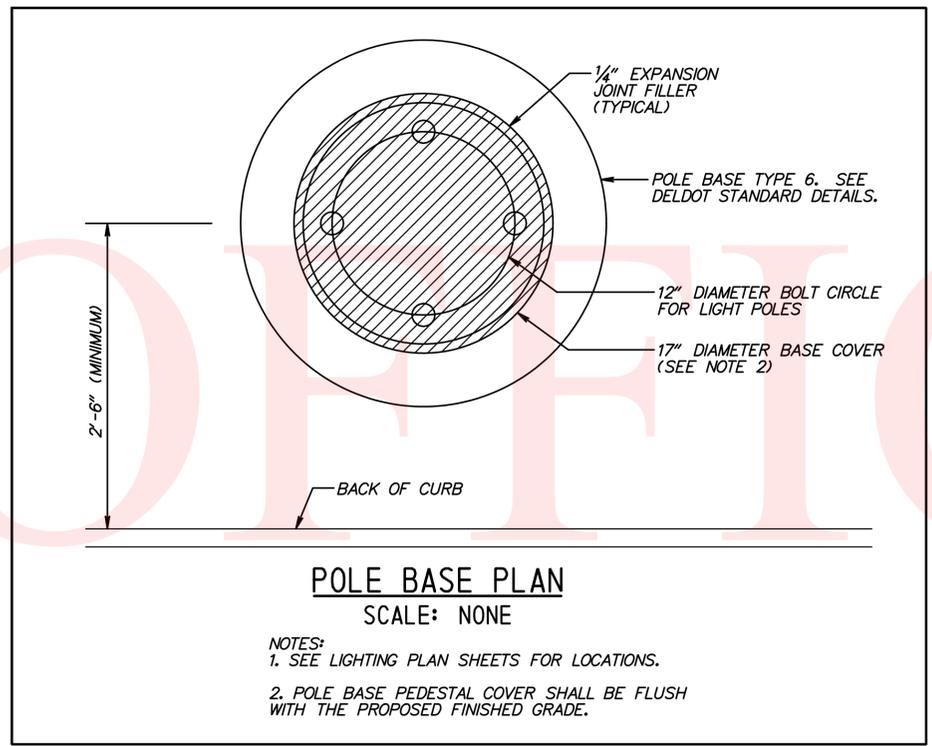
LIGHTING DETAILS

LI-07
SHEET NO. 37
TOTAL SHTS. 42

DECORATIVE LIGHTING FIXTURE TYPE							
FIX. TYPE	DESCRIPTION	MOUNTING	LAMP		VOLTS	REMARKS	
			NO.	WATTS			
1A	PARKWOOD CASING LUMINAIRE, ACORN SHAPE 199 GLOBE WITH BAND AND FINEAL, 16" DIAMETER CAST ALUMINUM ALLOY, POLYCARBONATE GLOBE, IES TYPE III DISTRIBUTION, PHOTO CONTROL, COLOR: BLACK	POST	1	150	METAL HALIDE	120	PARKWOOD POST, 12 FT. HIGH 1 PIECE CAST DUCTILE IRON COLOR: BLACK

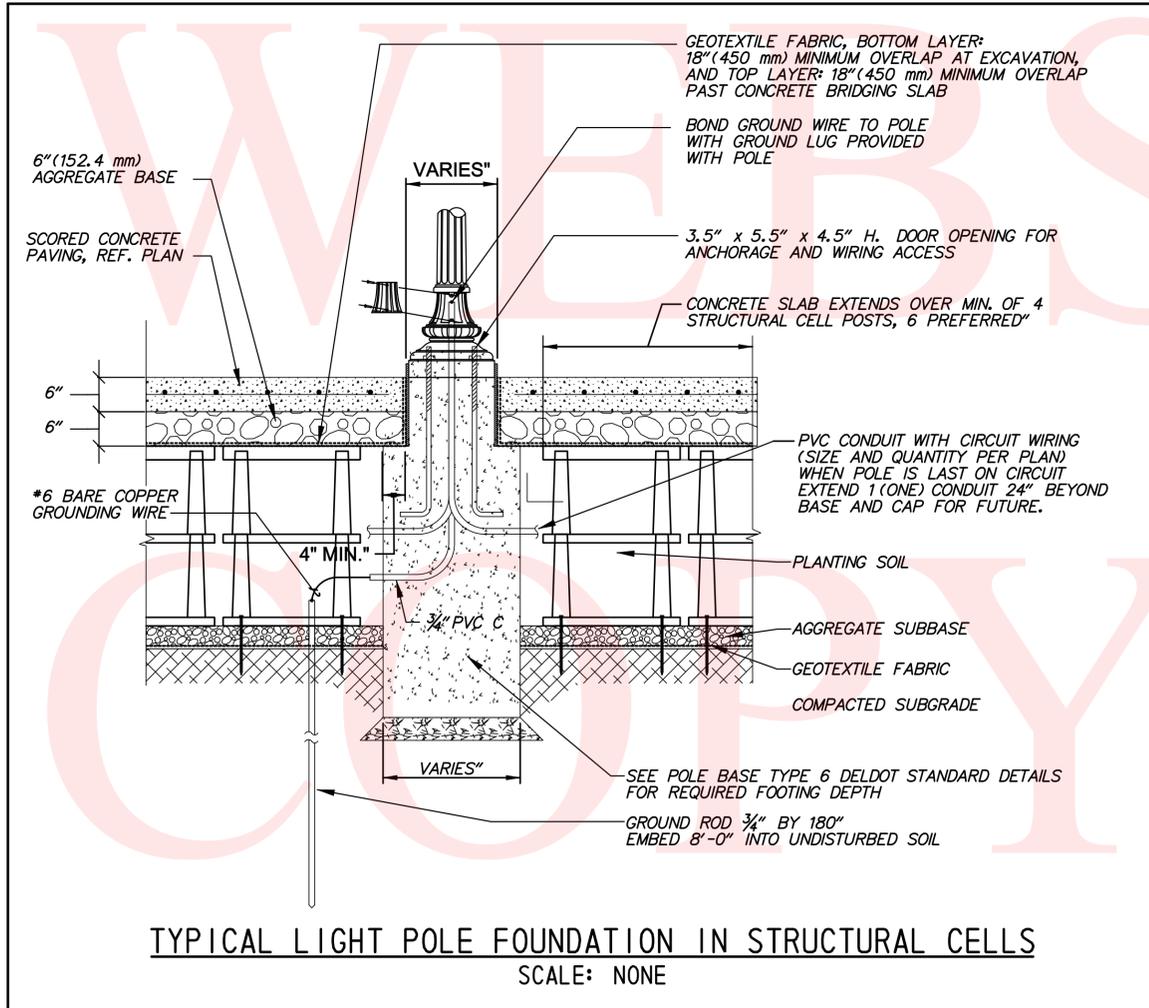


**POLE BASE PEDESTAL DETAIL**  
SCALE: NONE

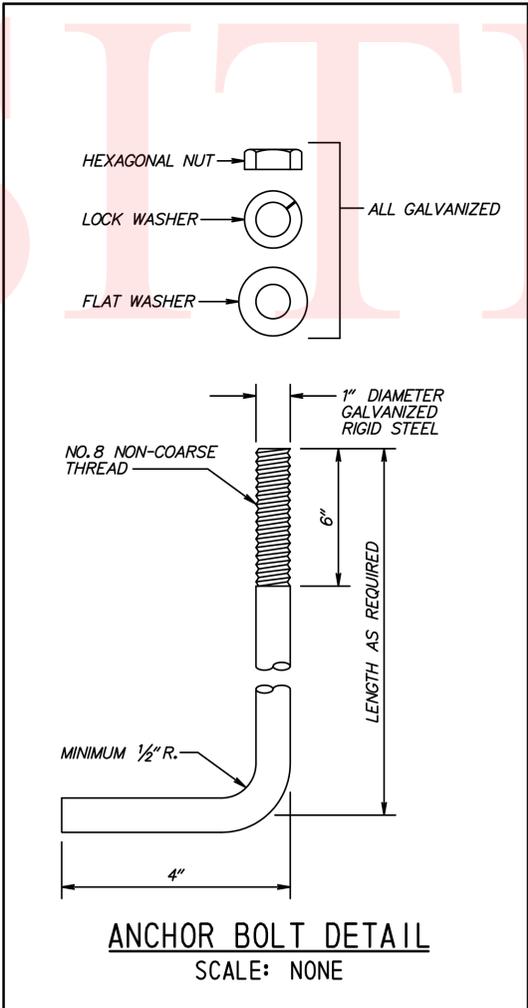


**POLE BASE PLAN**  
SCALE: NONE

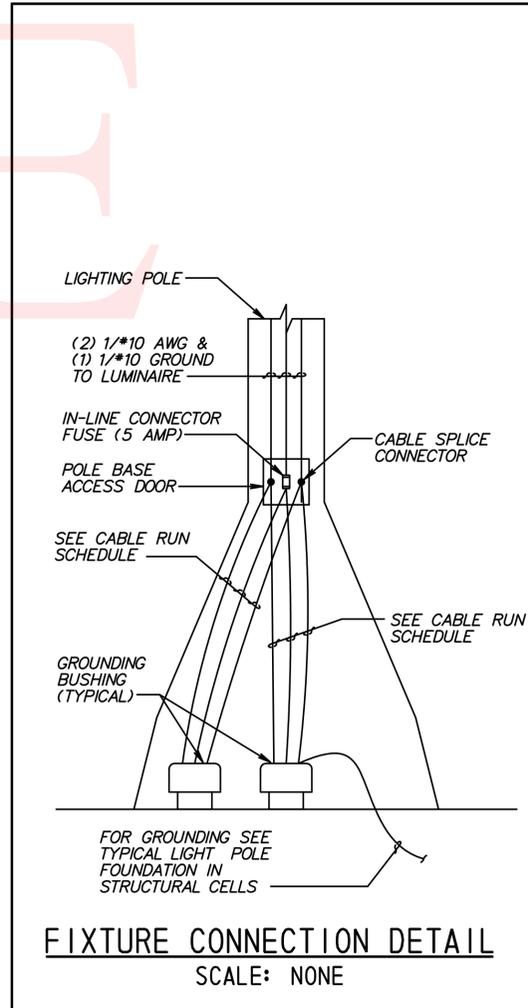
NOTES:  
1. SEE LIGHTING PLAN SHEETS FOR LOCATIONS.  
2. POLE BASE PEDESTAL COVER SHALL BE FLUSH WITH THE PROPOSED FINISHED GRADE.



**TYPICAL LIGHT POLE FOUNDATION IN STRUCTURAL CELLS**  
SCALE: NONE



**ANCHOR BOLT DETAIL**  
SCALE: NONE



**FIXTURE CONNECTION DETAIL**  
SCALE: NONE

No. 21678-004, SADD, LUG, ROD, DGN 9/22/2011 11:53:42 AM

ADDENDUMS / REVISIONS

SCALE: AS SHOWN

**RODNEY SQUARE BEAUTIFICATION, PHASE 1**

CONTRACT T200820013	BRIDGE NO. 	N/A
COUNTY NEW CASTLE	DESIGNED BY: M.J.C.	CHECKED BY: T.A.O.

**LIGHTING DETAILS**

LI-08
SHEET NO. 38
TOTAL SHTS. 42

26-035.20-039  
E.I. DUPONT DENEMOURS AND COMPANY  
INSTR#: 20030828-0105475

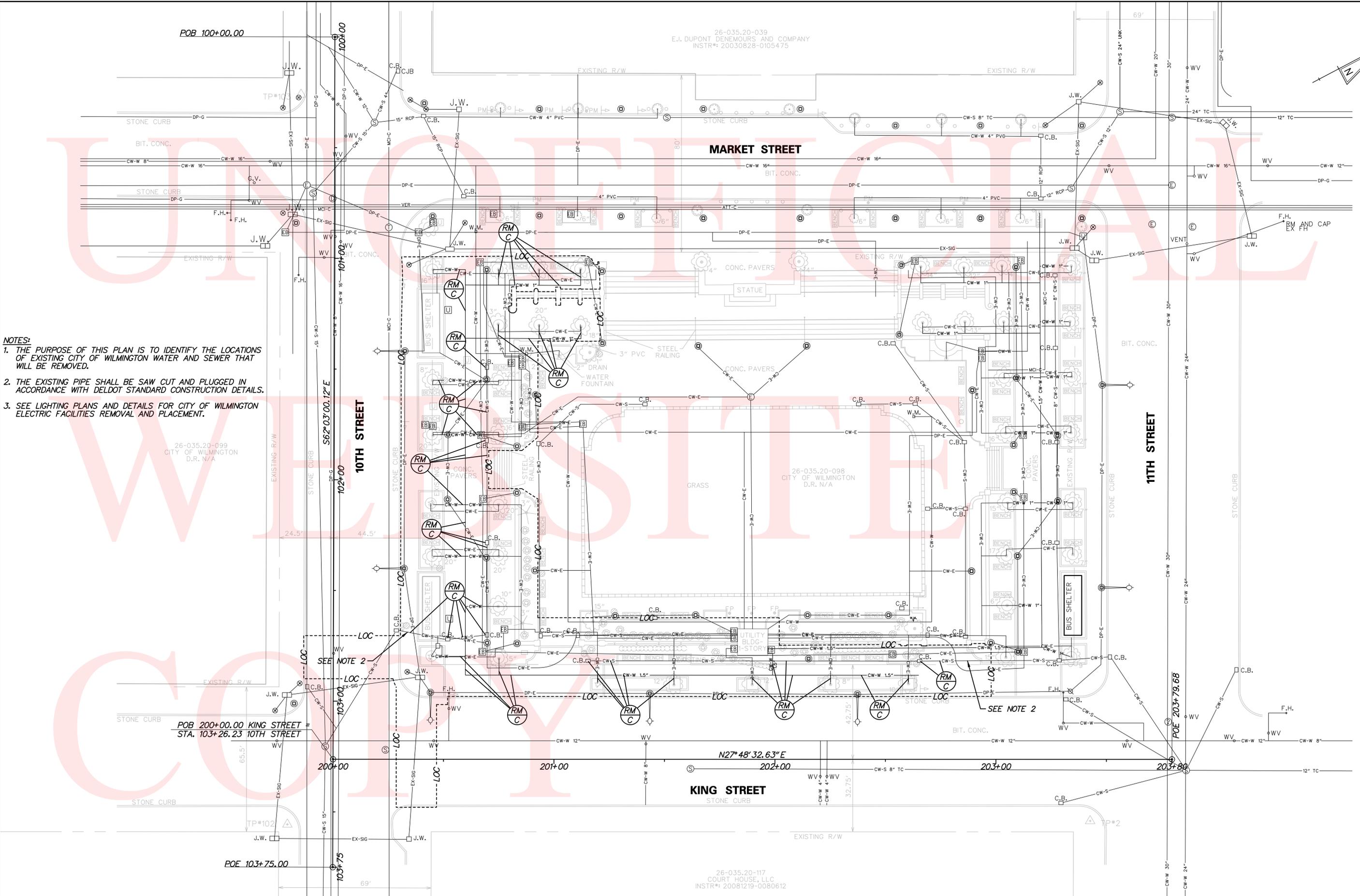
POB 100+00.00

26-035.20-099  
CITY OF WILMINGTON  
D.R. N/A

26-035.20-098  
CITY OF WILMINGTON  
D.R. N/A

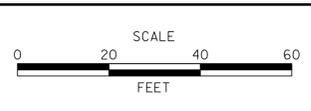
26-035.20-117  
COURT HOUSE, LLC  
INSTR#: 20081219-0080612

- NOTES:**
1. THE PURPOSE OF THIS PLAN IS TO IDENTIFY THE LOCATIONS OF EXISTING CITY OF WILMINGTON WATER AND SEWER THAT WILL BE REMOVED.
  2. THE EXISTING PIPE SHALL BE SAW CUT AND PLUGGED IN ACCORDANCE WITH DELDOT STANDARD CONSTRUCTION DETAILS.
  3. SEE LIGHTING PLANS AND DETAILS FOR CITY OF WILMINGTON ELECTRIC FACILITIES REMOVAL AND PLACEMENT.



No: 21678-004, CAD: UT\_01, RODN.dgn  
9/22/2011 11:45:14 AM

ADDENDUMS / REVISIONS	

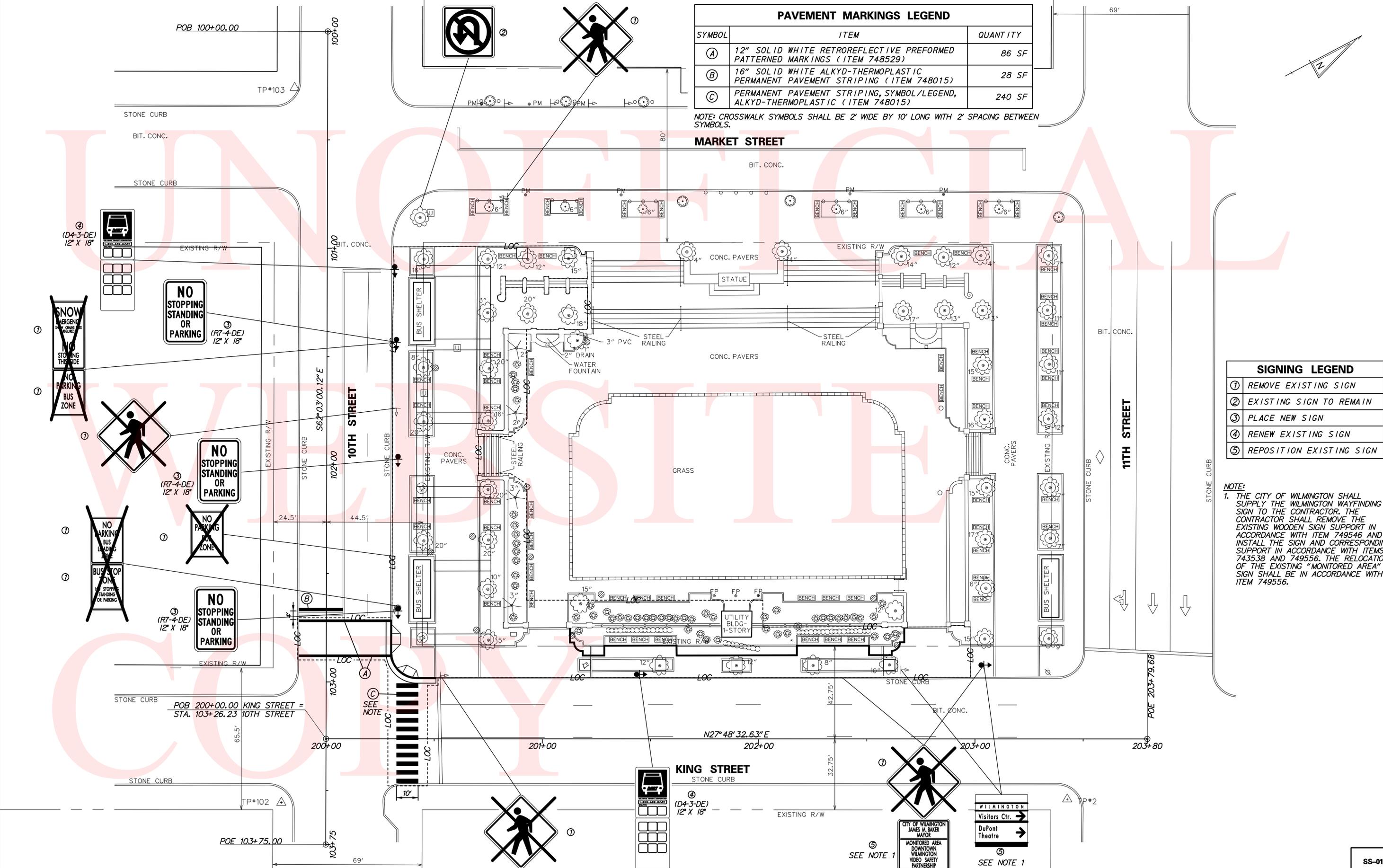


**RODNEY SQUARE  
BEAUTIFICATION, PHASE 1**

CONTRACT T200820013	BRIDGE NO. N/A
COUNTY NEW CASTLE	DESIGNED BY: M.J.C. CHECKED BY: T.A.O.

<b>UTILITY PLAN</b>	
SHEET NO.	39
TOTAL SHTS.	42

No. 2272011-004\_VADO\_SSD1\_RDDN.dgn  
9/22/2011 11:45:51 AM

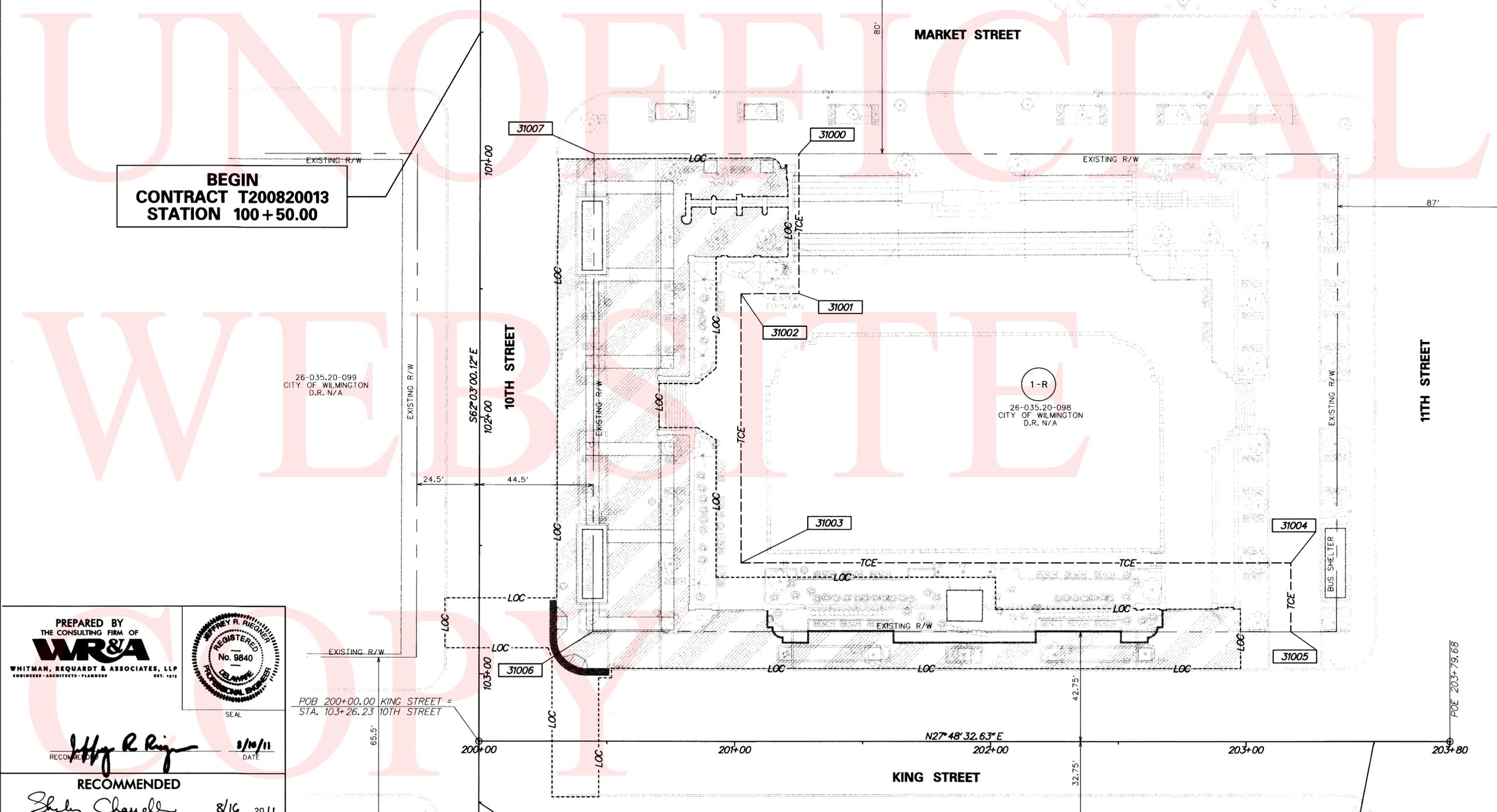


PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	12" SOLID WHITE RETROREFLECTIVE PREFORMED PATTERNED MARKINGS (ITEM 748529)	86 SF
(B)	16" SOLID WHITE ALKYD-THERMOPLASTIC PERMANENT PAVEMENT STRIPING (ITEM 748015)	28 SF
(C)	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND, ALKYD-THERMOPLASTIC (ITEM 748015)	240 SF

NOTE: CROSSWALK SYMBOLS SHALL BE 2' WIDE BY 10' LONG WITH 2' SPACING BETWEEN SYMBOLS.

SIGNING LEGEND	
①	REMOVE EXISTING SIGN
②	EXISTING SIGN TO REMAIN
③	PLACE NEW SIGN
④	RENEW EXISTING SIGN
⑤	REPOSITION EXISTING SIGN

NOTE:  
1. THE CITY OF WILMINGTON SHALL SUPPLY THE WILMINGTON WAYFINDING SIGN TO THE CONTRACTOR. THE CONTRACTOR SHALL REMOVE THE EXISTING WOODEN SIGN SUPPORT IN ACCORDANCE WITH ITEM 749546 AND INSTALL THE SIGN AND CORRESPONDING SUPPORT IN ACCORDANCE WITH ITEMS 743538 AND 749556. THE RELOCATION OF THE EXISTING "MONITORED AREA" SIGN SHALL BE IN ACCORDANCE WITH ITEM 749556.



**BEGIN  
CONTRACT T200820013  
STATION 100 + 50.00**

**END  
CONTRACT T200820013  
STATION 103 + 50.00**

**LIMIT OF CONSTRUCTION  
CONTRACT T200820013  
STATION 203 + 50.00**

PREPARED BY  
THE CONSULTING FIRM OF  
**WR&A**  
WHITMAN, REQUARDT & ASSOCIATES, LLP  
ENGINEERS-ARCHITECTS-PLANNERS EST. 1918

**JEFFREY R. FIEGNER**  
REGISTERED PROFESSIONAL ENGINEER  
No. 9840  
DELAWARE  
PROFESSIONAL SOCIETY

RECOMMENDED

*Shelby Chavell* 8/16 2011  
TEAM SUPPORT SQUAD MANAGER DATE

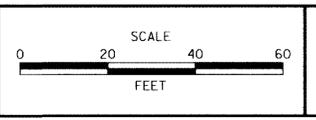
*Hyun Dahl* 8-22 2011  
TEAM SUPPORT ENGINEER DATE

*Robert B. McCleary* 8/22 2011  
ASSISTANT DIRECTOR, ENGINEERING SUPPORT DATE

RECORDED 8/10/11 DATE

**DELAWARE  
DEPARTMENT OF TRANSPORTATION**

ADDENDUMS / REVISIONS



**RODNEY SQUARE  
BEAUTIFICATION, PHASE 1**

CONTRACT T200820013	BRIDGE NO. N/A
COUNTY NEW CASTLE	DESIGNED BY: M.J.C. CHECKED BY: T.A.O.

**RIGHT OF WAY PLAN  
SHEET 1 OF 2**

<b>RW-01</b>
SHEET NO. 41
TOTAL SHTS. 42

N:\31678-004\_CADD\RW01\_RODNEY.dgn 8/9/2011 7:08:08 AM

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)	AREA OCCUPIED BY EXISTING RIGHT OF WAY (SQ. FEET /ACRES)	EASEMENT				
								PERMANENT (SQ. FEET /ACRES)	TEMPORARY (SQ. FEET /ACRES)			
26-035.20-098	39	CITY OF WILMINGTON	UNKNOWN	C - 1.2434	TCE				17741.0374 / 0.4073			

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

ASSESSMENT NUMBER	OWNERSHIP OF RECORD	TYPE OF ACQUISITION	TITLE SOURCE	PARCEL AREA (ACRES)
26-035.20-098	(1-R) CITY OF WILMINGTON	TCE	UNKNOWN	1.2434

ALIGNMENT NUMBER & DESCRIPTION:		10TH ST/KING ST									
PT. NO.	ALIGN. NO.	STATION	OFFSET *	NORTH	EAST	BEARING	DISTANCE	CHORD BEARING	CHORD LENGTH	ARC LENGTH	RADIUS **
31000	10TH ST	100+96.91	-124.53	635865.0145	619387.9262	S 62°11'54.56" E	54.4973				
31001	10TH ST	101+51.41	-124.67	635839.5964	619436.1328	S 27°48'05.44" W	22.6325				
31002	10TH ST	101+51.46	-102.03	635819.5763	619425.5767	S 62°11'54.56" E	104.9351				
31003	10TH ST	102+56.40	-102.31	635770.6336	619518.3990	N 27°48'05.44" E	215.0455				
31004	KING ST	203+17.52	-69.61	635960.8561	619618.6984	S 62°11'54.56" E	26.8610				
31005	KING ST	203+17.53	-42.75	635948.3279	619642.4587	S 27°48'32.64" W	272.9191				
31006	KING ST	200+44.61	-42.75	635706.9290	619515.1347	N 62°03'01.92" W	186.2462				
31007	10TH ST	100+97.13	-44.50	635794.2212	619350.6121	N 27°47'35.00" E	80.0252				
31000	10TH ST	100+96.91	-124.53	635865.0145	619387.9262						

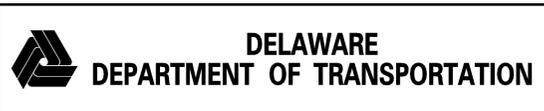
FIGURE RW\_1R.TCE AREA = 17741.0374 SQ. FT. (0.4073 ACRES)

LEGEND  
FEE AREA OF ACQUISITION  
RW AREA OCCUPIED BY EXISTING RW  
PE PERMANENT EASEMENT  
TCE TEMPORARY CONSTRUCTION EASEMENT  
\* \* - \* OFFSET IS LEFT OF BASELINE  
\*\* \* - \* CURVE TURNS TO THE LEFT

WEBSITE

COPY

No: 21678-004\_VADD\_RW02\_R00N.dgn  
P: 22/2011 11:42:41 AM



ADDENDUMS / REVISIONS

NOT TO SCALE

RODNEY SQUARE  
BEAUTIFICATION, PHASE 1

CONTRACT	BRIDGE NO.	N/A
T200820013	DESIGNED BY:	M.J.C.
COUNTY	CHECKED BY:	T.A.O.
NEW CASTLE		

RIGHT OF WAY DATA  
AND TABULATION SHEET  
SHEET 2 OF 2

RW-02
SHEET NO.
42
TOTAL SHTS.
42