

THE STATE OF DELAWARE DEPARTMENT OF TRANSPORTATION

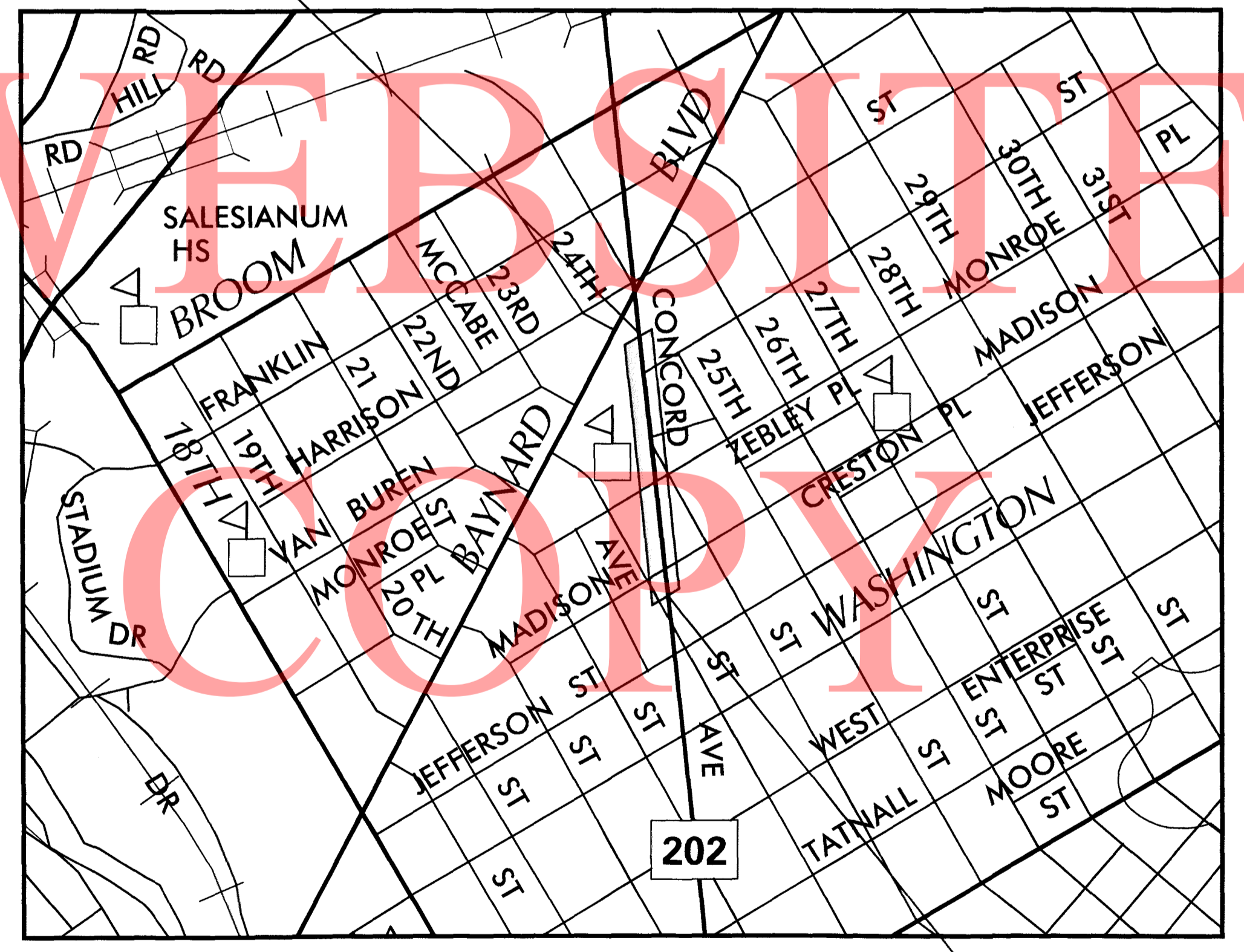
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UNITS



CONSTRUCTION PLANS FOR: CONCORD AVENUE STREETScape IMPROVEMENTS, PHASE 2

CONTRACT NUMBER: T201620002
 FEDERAL AID PROJECT NUMBER: ETEA-2015(38)
 COUNTY: NEW CASTLE M.R. #: NA

END CONTRACT
STATION **59+95**



LOCATION MAP

BEGIN CONTRACT
STATION **50+05**

DESIGN DESIGNATION		
FUNCTIONAL CLASS: PRINCIPAL ARTERIAL	D.H.V. PROJECTED: N/A	YEAR: N/A
TYPE OF CONSTRUCTION: SIDEWALK	DESIGN SPEED: 30 M.P.H.	TRUCKS: N/A
A.A.D.T. CURRENT: N/A	YEAR: N/A	DIRECTION OF DISTRIBUTION: N/A
A.A.D.T. PROJECTED: N/A	YEAR: N/A	

INDEX OF SHEETS	
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TOTAL SHEETS: 47

APPROVED DESIGN EXCEPTIONS

DESIGN PARAMETER	REQUIRED	PROVIDED	DATE

ADDENDA & REVISIONS

DESCRIPTION	NAME & DATE

ASSOCIATED CONTRACTS

CONTRACT NO.	CONTRACT NAME
T201020009	CONCORD AVENUE STREETScape IMPROVEMENTS
T201620010	OLD BRANDYWINE VILLAGE STREETScape IMPROVEMENTS, PHASE 1

PREPARED BY
THE CONSULTING FIRM OF

Whitman, Requardt & Associates, LLP
1013 Centre Road, Suite 302, Wilmington, Delaware 19805

John A. Ai 11/29/18
RECOMMENDED DATE

RECOMMENDED

John L. Pittas
COMMUNITY SPONSOR
DATE 11/30/2018

John F. 24 12/11/18
GROUP ENGINEER, CONSTRUCTION DATE

John A. Ai 12/12/18
ASSISTANT DIRECTOR, TRANSPORTATION SOLUTIONS (CONSTRUCTION) DATE

APPROVED AS TO PROCESS

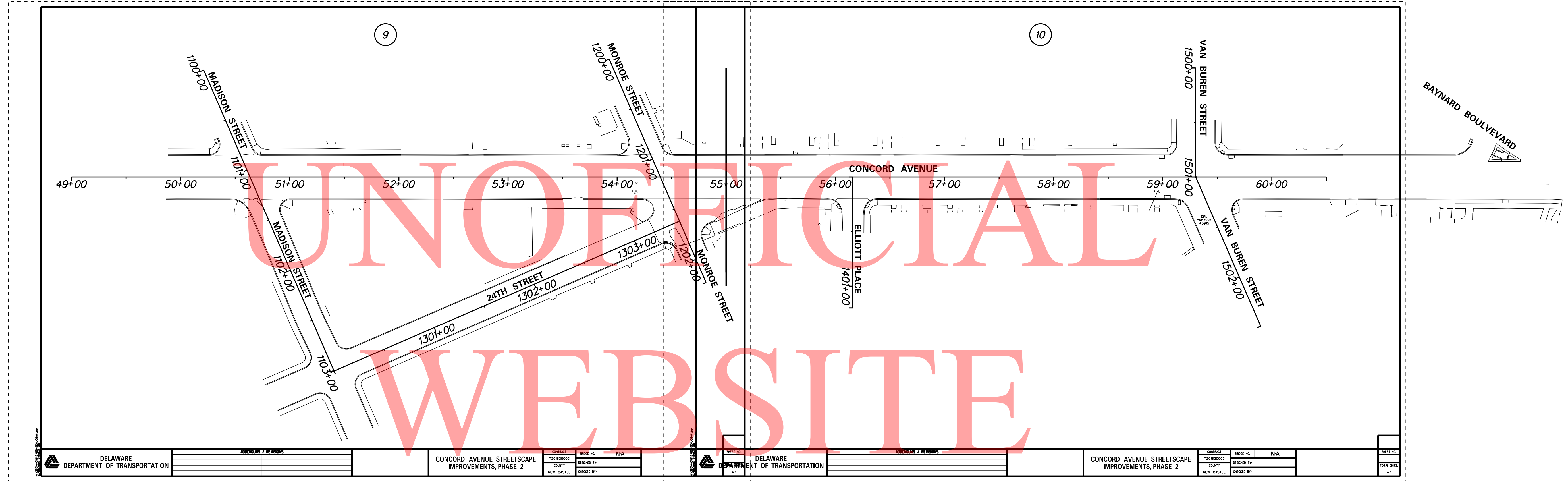
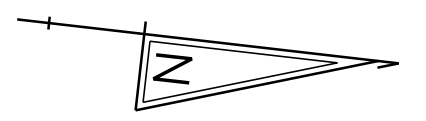
Vincent W. Davis
STORMWATER ENGINEER
DATE 17 DEC 2018

RECOMMENDED AS TO PROCESS

James Kuevel
PROJECT MANAGER, PLANNING
DATE 11/30/2018

APPROVED AS TO PROCESS

Robert B. Weller
CHIEF ENGINEER
DATE 12/12/2018



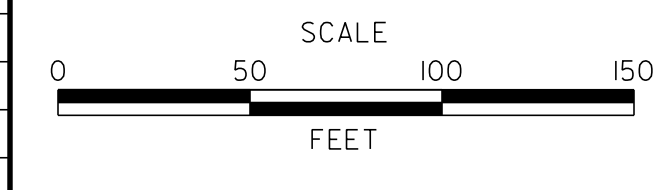
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PLAN SHEET INDEX CROSS REFERENCE		
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DETOUR PLAN	26-33, 38	33-37
LIGHTING PLAN	39	40
SIGNING AND STRIPING PLAN	42	43

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ADDENDUMS / REVISIONS	



**CONCORD AVENUE STREETSCAPE
IMPROVEMENTS, PHASE 2**

CONTRACT T201620002	BRIDGE NO. N/A
COUNTY NEW CASTLE	DESIGNED BY: V.A.K.
	CHECKED BY: T.A.O.

PLAN SHEET INDEX	SHEET NO. 2
	TOTAL SHTS. 47

IS-01
SHEET NO. 2
TOTAL SHTS. 47

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
	VERIZON - FIBER OPTIC
	LEVEL 3 COMMUNICATIONS
	AT&T - FIBER OPTIC
	DELMARVA POWER - GAS

PROPOSED SYMBOLS

CONSTRUCTION	
	CONCRETE SAFETY BARRIER - PERMANENT
	BIOFILTRATION SWALE
	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
	IMPACT ATTENUATOR
	JUNCTION BOX - DRAINAGE
	LATERAL OFFSET
	LIMIT OF CONSTRUCTION
	MAILBOX
	MANHOLE
	PAVEMENT PATCH
	PIPE & DIRECTIONAL FLOW ARROW
	RIPRAP
	P.C.C. SIDEWALK - 4"
	P.C.C. SIDEWALK - 6" (USE 8" DEPTH FOR CHANNELIZATION ISLANDS.)
	TRENCH DRAIN
	UNDERDRAIN
	UNDERDRAIN OUTLET

RIGHT-OF-WAY SYMBOLS	
	PROPOSED RIGHT-OF-WAY MONUMENT
	PROPOSED DENIAL OF ACCESS
	PROPOSED PERMANENT EASEMENT
	PROPOSED RIGHT-OF-WAY
	PROPOSED R/W & DENIAL OF ACCESS
	TEMPORARY CONSTRUCTION EASEMENT
	PROPOSED RIGHT-OF-WAY BASELINE
	PROPOSED RIGHT TO ENTER

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
	TRENCH DRAIN
	UNDERDRAIN / LENGTH
	UNDERDRAIN OUTLET PIPE

LANDSCAPING	
	LANDSCAPE PLANTINGS
	SHRUBBERY
	CONIFEROUS TREE
	DECIDUOUS TREE

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

LIGHTING	
	LIGHTING STANDARD IDENTIFIER
	LIGHTING SERVICE IDENTIFIER
	JUNCTION WELL IDENTIFIER
	POLE BASE IDENTIFIER

PAVEMENT SECTION(S)	
	2" SUPERPAVE TYPE C 3" SUPERPAVE TYPE B 5" SUPERPAVE BCBC 8" GRADED AGGREGATE BASE COURSE, TYPE B
	2" SUPERPAVE TYPE C, PATCHING 3" SUPERPAVE TYPE B, PATCHING 5" SUPERPAVE BCBC, PATCHING 8" GABC, TYPE B, PATCHING
	CONCRETE PATCH 8" PCC PATCHING, TYPE A 8" GABC, TYPE B, PATCHING
	DRIVEWAY 2" SUPERPAVE TYPE C 8" GRADED AGGREGATE BASE COURSE, TYPE B
	GARDEN SECTION 4" NO. 10 STONE 4" GRADED AGGREGATE BASE COURSE, TYPE B

MISCELLANEOUS	
	PROPOSED RIGHT TO ENTER
	PROPOSED DETECTABLE WARNING SURFACE
	PAVEMENT REMOVAL - GRADE, TOPSOIL, AND SEED
	TURF REINFORCEMENT MAT, TYPE 1

GENERAL NOTES

1. THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE DELAWARE DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS", DATED AUGUST 2016 AND THE DELAWARE DEPARTMENT OF TRANSPORTATION "STANDARD CONSTRUCTION DETAILS", DATED 2016, INCLUDING ALL REVISIONS UP TO THE DATE OF ADVERTISEMENT.

2. ELECTRONIC PROJECT FILES THAT WILL BE MADE AVAILABLE TO THE AWARDED CONTRACTOR, INCLUDE:

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

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

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

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

PROJECT NOTES

SECTION 100

- ANY DAMAGE TO ITEMS NOTED TO BE RELOCATED OR RESET BY THE CONTRACTOR, AT THE DISCRETION OF THE ENGINEER, SHALL BE REPAIRED AND/OR REPLACED IN KIND AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR WILL CONTACT THE DELAWARE TMC AT 302-659-4600 PRIOR TO ANY UNMANNED AIRCRAFT VEHICLE (UAV) FLIGHTS. THE CONTRACTOR WILL BE REQUIRED TO PROVIDE THE FOLLOWING INFORMATION: THE REGISTRATION NUMBER OF THE UAV, THE FLIGHT TIME, LOCATION OF THE FLIGHT, THE PILOT'S NAME AND THE PILOT'S CONTACT NUMBER DURING THE FLIGHT.

SECTION 200

- ITEMS TO BE REMOVED UNDER ITEM 211000 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
 - CONCRETE SUPPORT FOUNDATIONS FOR MISCELLANEOUS SMALL STRUCTURES NOT COVERED UNDER OTHER PAY ITEMS
 - DRAINAGE STRUCTURES
 - TRAFFIC SIGNALIZATION JUNCTION WELLS
 - FENCE
 - BRICK SIDEWALK

SECTION 400

- THE PAVEMENT SECTION FOR FLEXIBLE PAVEMENT RESIDENTIAL DRIVEWAYS SHALL BE 2" BITUMINOUS CONCRETE, TYPE 'C' OVER 8" GRADED AGGREGATE BASE COURSE, TYPE 'B', UNLESS OTHERWISE NOTED ON THE PLANS

SECTION 600

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

SECTION 700

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

SECTION 900

- 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'S KEPT ON FILE IN EACH OF THE CONSTRUCTION OFFICES AND THE DEPARTMENT'S STORMWATER 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.
- FOR FULL DEPTH PAVEMENT CONSTRUCTION, CURB RAMP CONSTRUCTION, SIDEWALK CONSTRUCTION, AND/OR UTILITY RELOCATIONS, BARE SOILS SHALL BE COVERED WITHIN THREE (3) CALENDAR DAYS TO PREVENT EROSION. THIS CAN BE ACCOMPLISHED BY PLACING PROPOSED SUBBASE MATERIAL SUCH AS GRADED AGGREGATE BASE COURSE (GABC) OR GEOTEXTILE / PLASTIC SHEETING THAT IS SECURED SO AS TO NOT BLOW AWAY OR BE UNDERMINED BY RUNOFF.

MISCELLANEOUS

- THE CONTRACTOR SHALL CONTACT THE CHIEF OF SCHEDULING FOR DART FIRST STATE, 14 DAYS PRIOR TO THE START OF CONSTRUCTION AT 302-576-6191 OR BY EMAIL NOTIFICATION TO DOT_DeTour@state.de.us.
- 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. THE VIDEO WILL BE SUBJECT TO THE APPROVAL OF THE ENGINEER. THE COST OF THE VIDEO SHALL BE INCIDENTAL TO ITEM 763501-CONSTRUCTION ENGINEERING.
- THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL EXISTING CONDITIONS, LAYOUT DIMENSIONS, AND CLEARANCES THAT ARE SHOWN ON THE DRAWINGS PRIOR TO ANY CONSTRUCTION WORK. THE COST OF THIS ITEM SHALL BE INCIDENTAL TO ITEM 763501-CONSTRUCTION ENGINEERING.
- THE CONTRACTOR SHALL MARK THEIR NAME IN THE SIDEWALK, EITHER BY STAMPING OR BY IN LAYING AN APPROVED METAL PLATE. THE STAMPED LETTERS SHALL BE ONE INCH TALL AND ONE QUARTER INCH DEPTH. IF A METAL PLATE IS USED, THE TOP PLATE SHALL BE FLUSH WITH THE TOP OF THE SIDEWALK. THE CONTRACTOR'S NAME SHALL BE PLACED AT IN ACCORDANCE WITH THE WILMINGTON CODE OF ORDINANCES.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL RESIDENTS AND BUSINESSES DURING CONSTRUCTION ACTIVITIES, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. ALL COSTS ARE INCIDENTAL TO THE CONTRACT.
- THE TIE-IN LIMITS FOR PRIVATE WALKWAY TRANSITION SLABS SHALL BE CONFIRMED BY THE ENGINEER IN THE FIELD. WHEN ADJACENT TO EXISTING STEPS, THE BOTTOM LANDING AREA SHALL REMAIN AND THE PROPOSED SIDEWALK SHALL TIE INTO A SAW CUT INTERFACE. ALL WALKWAY AND STAIR TIE-INS SHALL BE CONSTRUCTED TO PROVIDE A LANDING AREA IN ACCORDANCE WITH ADA GUIDELINES AND TO DRAIN PROPERLY. ALL EXISTING SIDEWALK REMOVAL REQUIRED TO INSTALL THE WALKWAY TRANSITION SLAB SHALL BE INCIDENTAL TO ITEM 211001. ALL EQUIPMENT AND MATERIALS REQUIRED TO INSTALL THE WALKWAY TRANSITION SLAB SHALL BE INCIDENTAL TO ITEM 705001.
- THE CONTRACTOR SHALL SAW CUT A MINIMUM 4" FROM THE FACE OF EXISTING STRUCTURES OR CURBS. THE REMAINING MATERIAL SHALL BE REMOVED BY HAND OR LEFT IN PLACE AS DIRECTED BY THE ENGINEER IN THE FIELD. CONTRACTOR SHALL PLACE AN EXPANSION JOINT BETWEEN THE EXISTING STRUCTURE OR CURB AND THE PROPOSED SIDEWALK. ALL COSTS ARE INCIDENTAL TO THE ITEMS BEING INSTALLED.
- THE CONTRACTOR SHALL VERTICALLY ADJUST THREE (3) DELMARVA POWER GAS VALVES AND TWO (2) DELMARVA POWER GAS MANHOLE COVERS LOCATED WITHIN THE PROPOSED SIDEWALK SURFACE AND BUMP-OUT LIMITS. ALL WORK FOR THE GAS VALVE ADJUSTMENTS SHALL BE PAID FOR UNDER ITEM 710002 - ADJUST WATER VALVE BOXES. ALL WORK FOR THE GAS MANHOLE COVER AND/OR VAULT HOLE ADJUSTMENTS SHALL BE PAID FOR UNDER ITEM 711500 - ADJUST AND REPAIR EXISTING SANITARY MANHOLE. CONTRACTOR SHALL CONTACT THE DELMARVA POWER GAS REPRESENTATIVE PRIOR TO ANY ADJUSTMENTS TO EXISTING GAS UTILITIES. REFER TO THE UTILITY STATEMENT FOR DETAILS.
- FIRE HYDRANTS AND WATER VALVES MARKED FOR RELOCATION SHALL BE POSITIONED AS DIRECTED BY THE CITY OF WILMINGTON WATER MAINTENANCE DEPARTMENT AND IN ACCORDANCE WITH CITY OF WILMINGTON WATER DIVISION STANDARD DETAILS AND SPECIFICATIONS. ALL WORK ASSOCIATED WITH RELOCATING EXISTING FIRE HYDRANTS SHALL BE INCIDENTAL TO ITEM 710041 - RELOCATING FIRE HYDRANT
- THE CONTRACTOR SHALL VERTICALLY ADJUST ONE (1) MONITORING WELL LOCATED WITHIN THE PROPOSED SIDEWALK SURFACE; PAID FOR UNDER ITEM 710002 - ADJUST WATER VALVE BOXES.

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ADDENDUMS / REVISIONS

NOT TO SCALE

CONCORD AVENUE STREETScape IMPROVEMENTS, PHASE 2

CONTRACT	BRIDGE NO.	N/A
T201620002	DESIGNED BY:	V.A.K.
COUNTY	CHECKED BY:	T.A.O.
NEW CASTLE		

NOTES

PN-01

SHEET NO.

4

TOTAL SHTS.

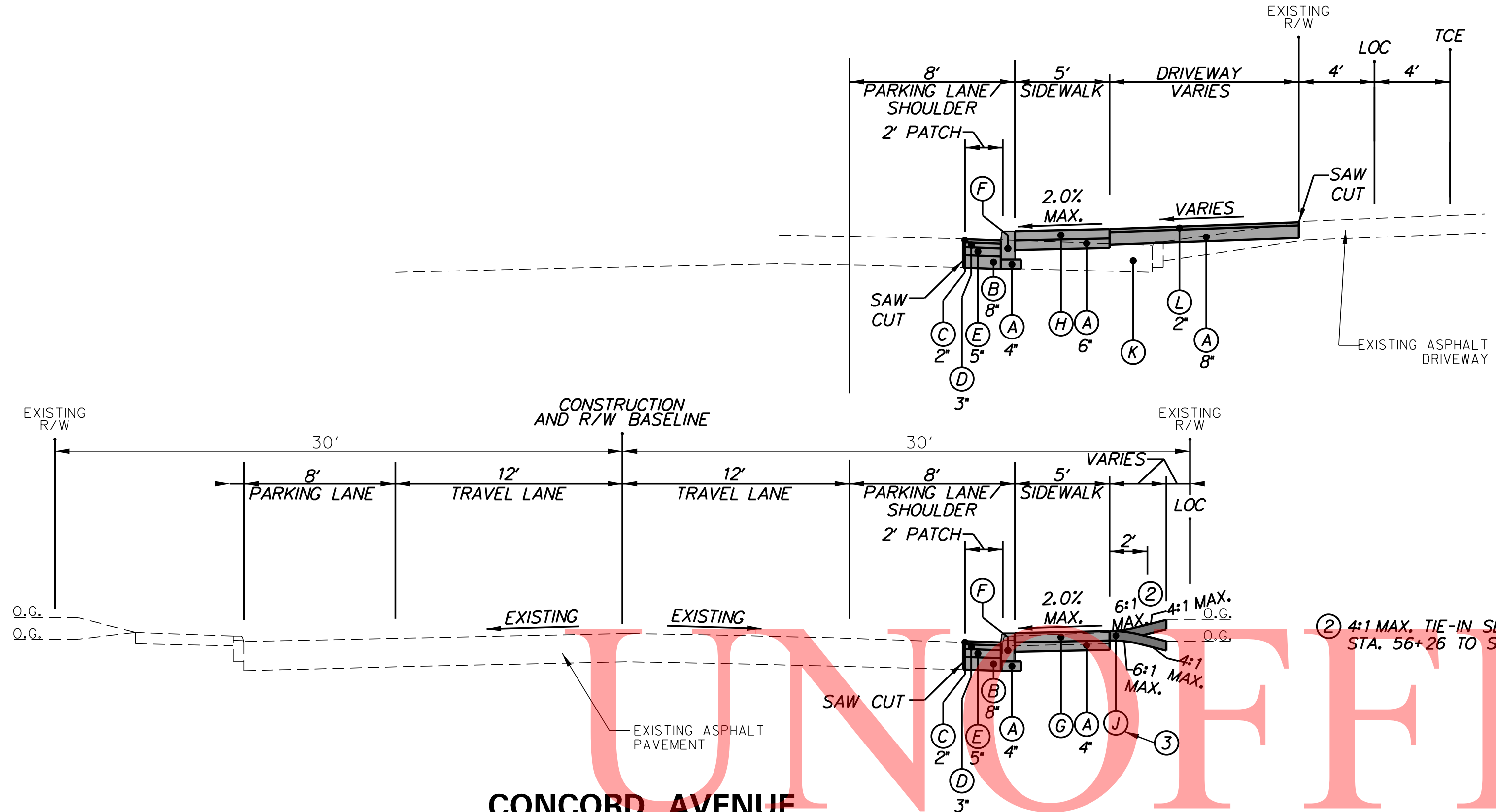
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LEGEND	
(A)	ITEM 301001 - GRADED AGGREGATE BASE COURSE, TYPE B (SEE NOTE 1)
(B)	ITEM 301002 - GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING
(C)	ITEM 401029 - SUPERPAVE TYPE C, PG 64-22, PATCHING
(D)	ITEM 401030 - SUPERPAVE TYPE B, PG 64-22, PATCHING
(E)	ITEM 401031 - SUPERPAVE TYPE BCBC, PG 64-22, PATCHING
(F)	ITEM 701012 - P.C.C. CURB, TYPE I-6
(G)	ITEM 705001 - P.C.C. SIDEWALK, 4" DEPTH
(H)	ITEM 705002 - P.C.C. SIDEWALK, 6" DEPTH
(J)	ITEM 908004 - TOPSOIL, 6" DEPTH
	ITEM 908016 - PERMANENT GRASS SEEDING, SUBDIVISION
(K)	ITEM 209006 - BORROW, TYPE F
(L)	ITEM 401005 - SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)
(M)	ITEM 401014 - SUPERPAVE TYPE B, PG 64-22
(N)	ITEM 401021 - SUPERPAVE TYPE BCBC, PG 64-22
(O)	ITEM 503001 - PATCHING PCC PAVEMENT, 6" TO 15", TYPE A
(P)	ITEM 302004 - DELAWARE NO. 10 STONE

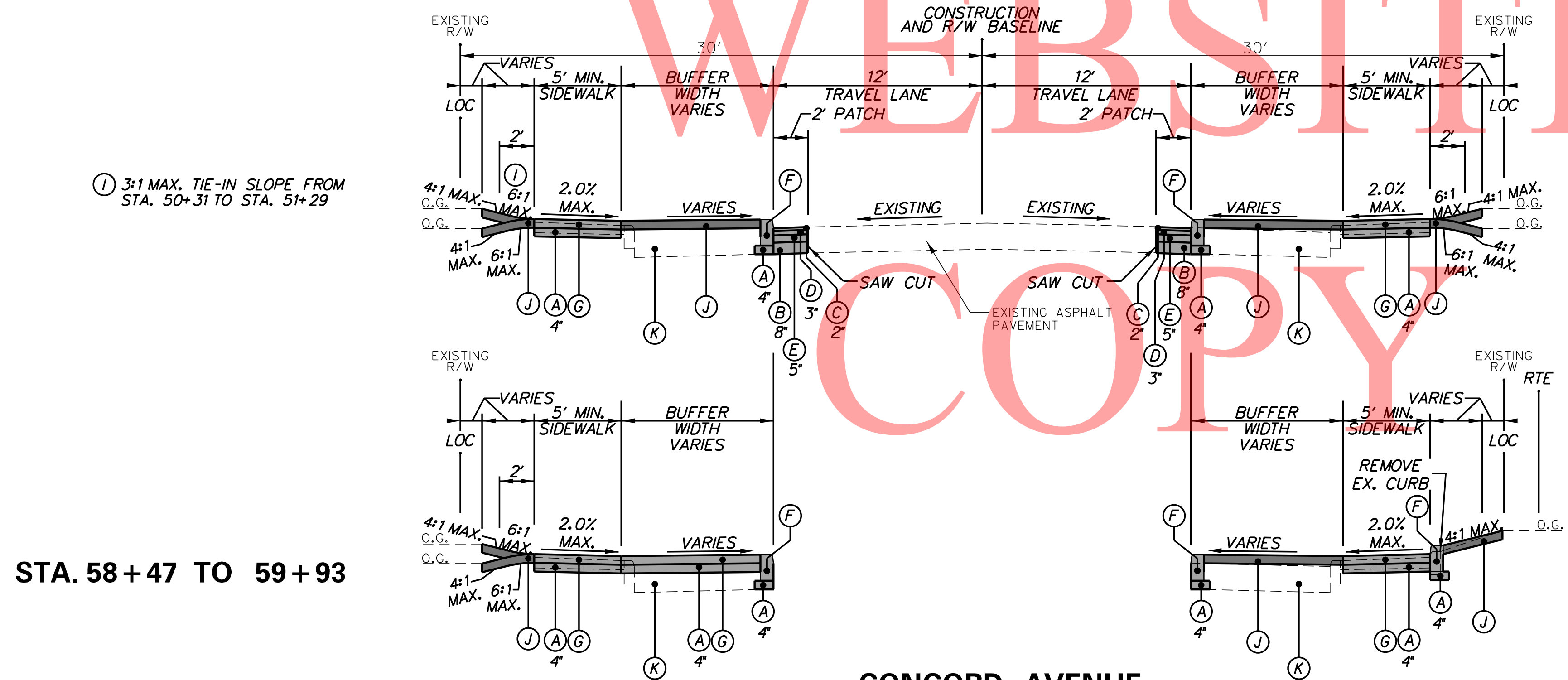
- NOTES:**
- COST OF GRADED AGGREGATE BASE COURSE, TYPE B UNDER SIDEWALK AND CURB SHALL BE INCIDENTAL TO ITEM 705001 OR ITEM 701012.
 - WHERE 6" GRADED AGGREGATE BASE COURSE, TYPE B IS PROPOSED UNDER CURB RAMPS, COST OF GRADED AGGREGATE BASE COURSE, TYPE B SHALL BE INCIDENTAL TO ITEM 705002 - P.C.C. SIDEWALK, 6" DEPTH. SEE CONSTRUCTION PLANS FOR LOCATION OF SIDEWALK RAMPS AND 6" SIDEWALK.
 - SEE CP AND GG SHEETS FOR CURB LAYOUT AND LOCATIONS OF SIDEWALK. WHERE PROPOSED SIDEWALK TIES INTO EXISTING SIDEWALK, CONTRACTOR SHALL CONSTRUCT A TRANSITION SLAB TO THE NEAREST EXISTING SIDEWALK JOINT. CONSTRUCTION JOINTS SHALL BE PLACED AS DESCRIBED IN NOTE 6 ON DELDOT STANDARD CONSTRUCTION DETAIL M-3.
 - DRIVEWAY SHALL BE CONSTRUCTED IN ACCORDANCE WITH DELDOT STANDARD CONSTRUCTION DETAIL C-3 ENTRANCE WITH SIDEWALK AND NO GRASS STRIP.
 - LATERAL OFFSET IS A MINIMUM OF 4' BEHIND THE FACE OF CURB ALONG THE ROADWAY AND 6' BEHIND THE FACE OF CURB AT INTERSECTIONS AND ENTRANCES.
 - SEE 24TH STREET TYPICAL SECTION ON SHEET TS-03 FOR GARDEN SECTION FROM STA. 53+31 TO STA. 54+18

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

CITGO DRIVEWAY
STA. 54+97 TO STA. 55+22
STA. 55+59 TO STA. 55+75



CONCORD AVENUE
PARKING TYPICAL SECTION
STATION 53+31 TO STATION 53+81
STATION 54+97 TO STATION 56+47
STATION 57+79 TO STATION 57+96

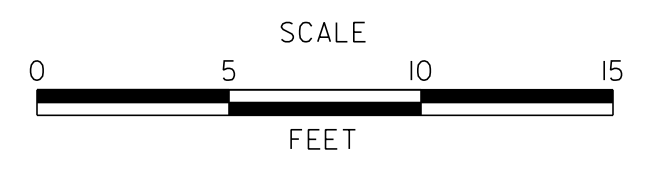


STA. 58+47 TO 59+93

STA. 58+97 TO STA. 59+13

CONCORD AVENUE
BUMP-OUT TYPICAL SECTION
STATION 50+05 TO STATION 51+31
STATION 53+81 TO STATION 54+97
STATION 58+79 TO STATION 59+93

ADDENDUMS / REVISIONS



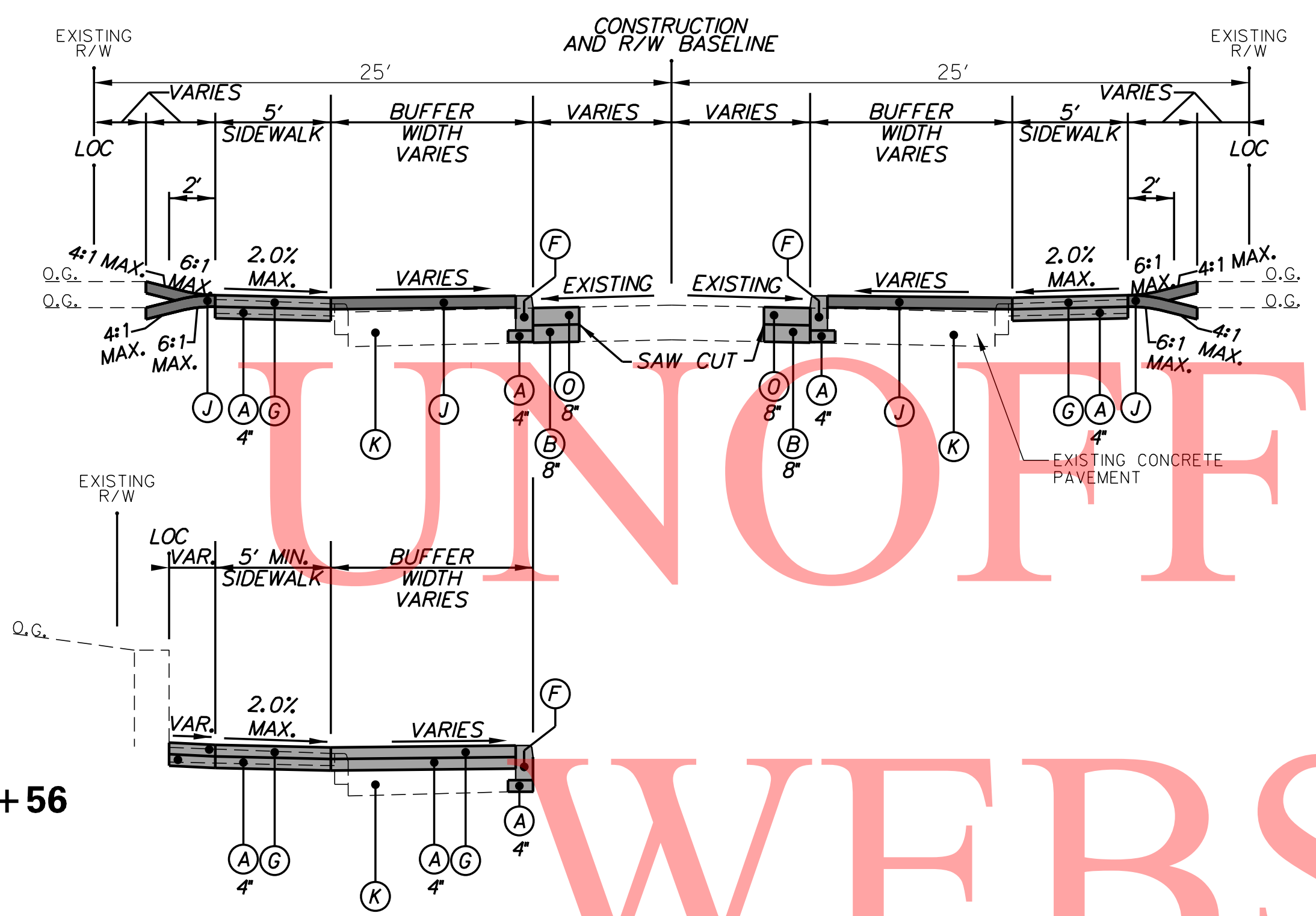
CONTRACT T201620002	BRIDGE NO. N/A
COUNTY NEW CASTLE	DESIGNED BY: V.A.K.
	CHECKED BY: T.A.O.

TYPICAL SECTIONS
SHEET NO. 5
TOTAL SHTS. 47

LEGEND	
(A)	ITEM 301001 - GRADED AGGREGATE BASE COURSE, TYPE B (SEE NOTE 1)
(B)	ITEM 301002 - GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING
(C)	ITEM 401029 - SUPERPAVE TYPE C, PG 64-22, PATCHING
(D)	ITEM 401030 - SUPERPAVE TYPE B, PG 64-22, PATCHING
(E)	ITEM 401031 - SUPERPAVE TYPE BCBC, PG 64-22, PATCHING
(F)	ITEM 701012 - P.C.C. CURB, TYPE 1-6
(G)	ITEM 705001 - P.C.C. SIDEWALK, 4" DEPTH
(H)	ITEM 705002 - P.C.C. SIDEWALK, 6" DEPTH
(J)	ITEM 908004 - TOPSOIL, 6" DEPTH ITEM 908016 - PERMANENT GRASS SEEDING, SUBDIVISION
(K)	ITEM 209006 - BORROW, TYPE F
(L)	ITEM 401005 - SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)
(M)	ITEM 401014 - SUPERPAVE TYPE B, PG 64-22
(N)	ITEM 401021 - SUPERPAVE TYPE BCBC, PG 64-22
(O)	ITEM 503001 - PATCHING PCC PAVEMENT, 6' TO 15', TYPE A
(P)	ITEM 302004 - DELAWARE NO. 10 STONE

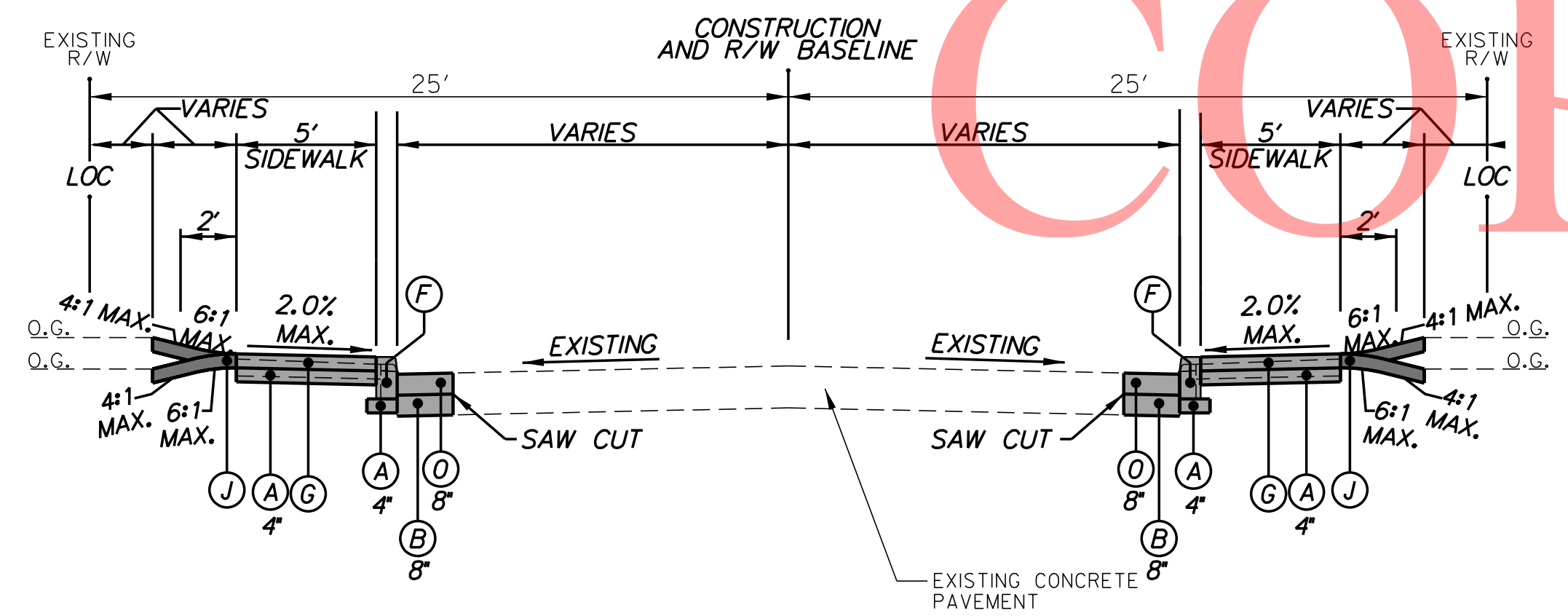
- NOTES:**
- COST OF GRADED AGGREGATE BASE COURSE, TYPE B UNDER SIDEWALK AND CURB SHALL BE INCIDENTAL TO ITEM 705001 OR ITEM 701012.
 - WHERE 6" GRADED AGGREGATE BASE COURSE, TYPE B IS PROPOSED UNDER CURB RAMPS, COST OF GRADED AGGREGATE BASE COURSE, TYPE B SHALL BE INCIDENTAL TO ITEM 705002 - P.C.C. SIDEWALK, 6" DEPTH. SEE CONSTRUCTION PLANS FOR LOCATION OF SIDEWALK RAMPS AND 6" SIDEWALK.
 - SEE CP AND GG SHEETS FOR CURB LAYOUT AND LOCATIONS OF SIDEWALK. WHERE PROPOSED SIDEWALK TIES INTO EXISTING SIDEWALK, CONTRACTOR SHALL CONSTRUCT A TRANSITION SLAB TO THE NEAREST EXISTING SIDEWALK JOINT. CONSTRUCTION JOINTS SHALL BE PLACED AS DESCRIBED IN NOTE 6 ON DELDOT STANDARD CONSTRUCTION DETAIL M-3.
 - LATERAL OFFSET IS A MINIMUM OF 4' BEHIND THE FACE OF CURB ALONG THE ROADWAY AND 6' BEHIND THE FACE OF CURB AT INTERSECTIONS AND ENTRANCES.

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

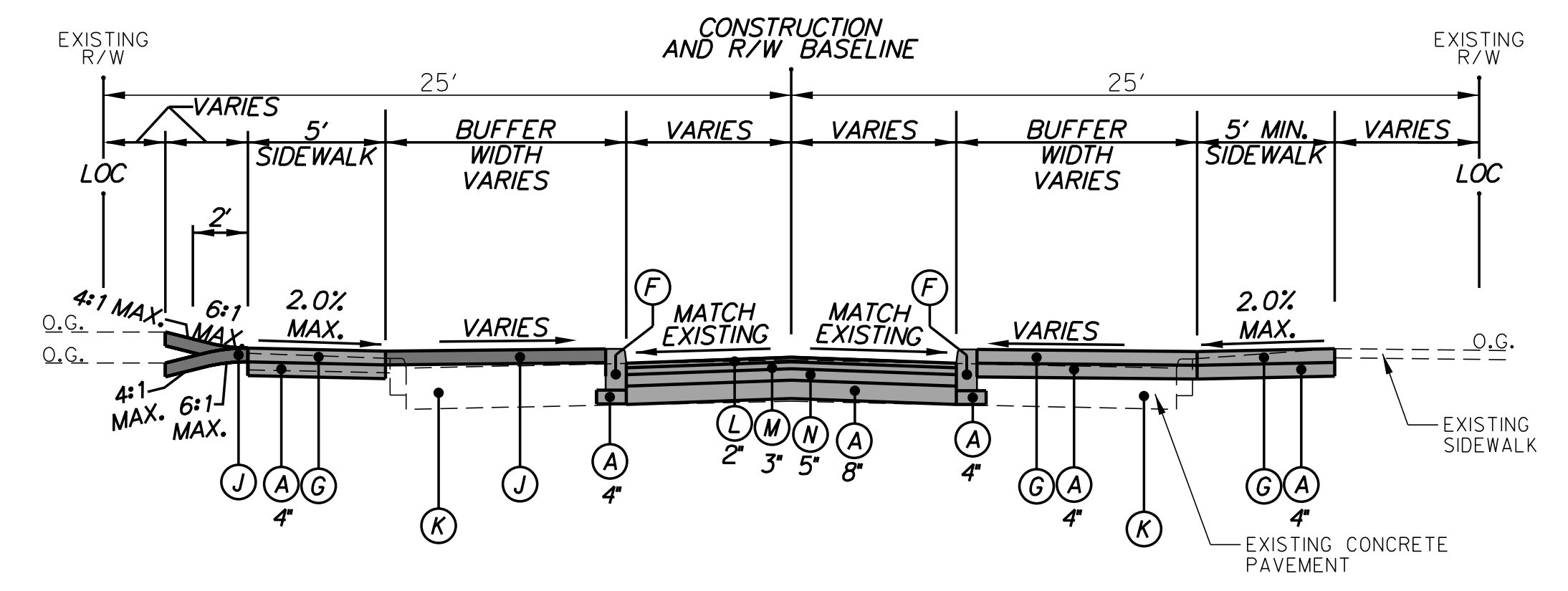


STA. 1101+29 TO 1101+56

**MADISON STREET AND MONROE STREET
BUMP-OUT TYPICAL SECTION
STATION 1101+29 TO STATION 1101+56
STATION 1201+41 TO STATION 1201+84**



**MADISON STREET AND ELLIOTT PLACE
TYPICAL SECTION
STATION 1100+63 TO STATION 1101+01
STATION 1400+20 TO STATION 1400+40**

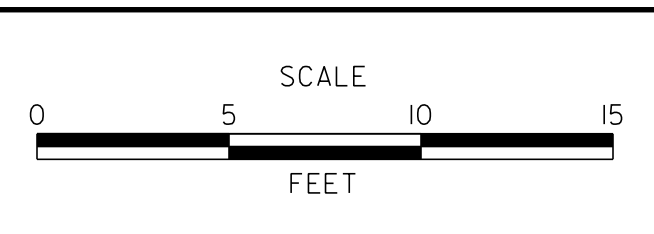


**MADISON STREET
FULL-DEPTH PAVEMENT BUMP-OUT TYPICAL SECTION
STATION 1200+70 TO STATION 1201+00**

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ADDENDUMS / REVISIONS	



**CONCORD AVENUE STREETScape
IMPROVEMENTS, PHASE 2**

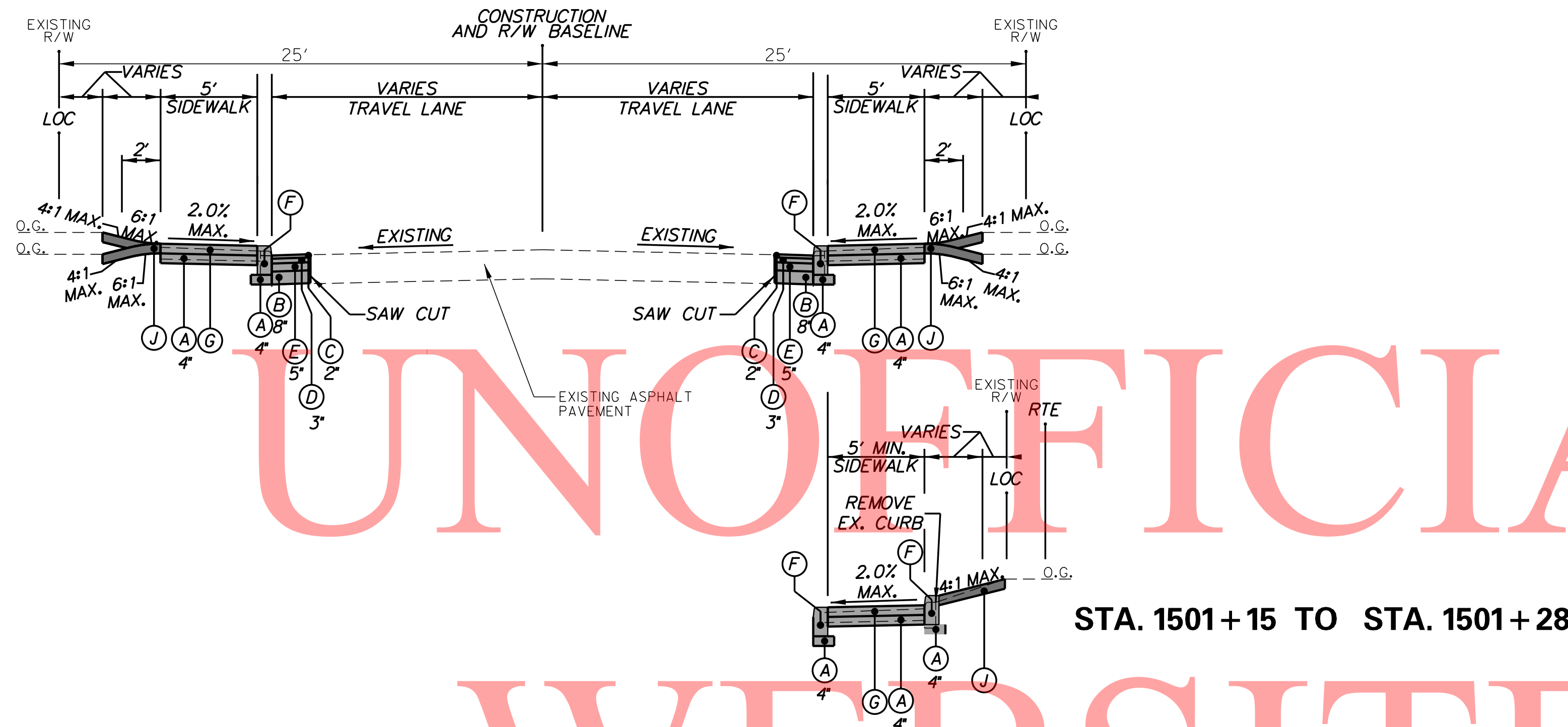
CONTRACT T201620002	BRIDGE NO. N/A
COUNTY NEW CASTLE	DESIGNED BY: V.A.K. CHECKED BY: T.A.O.

TYPICAL SECTIONS	SHEET NO. 6
	TOTAL SHTS. 47

TS-02

LEGEND

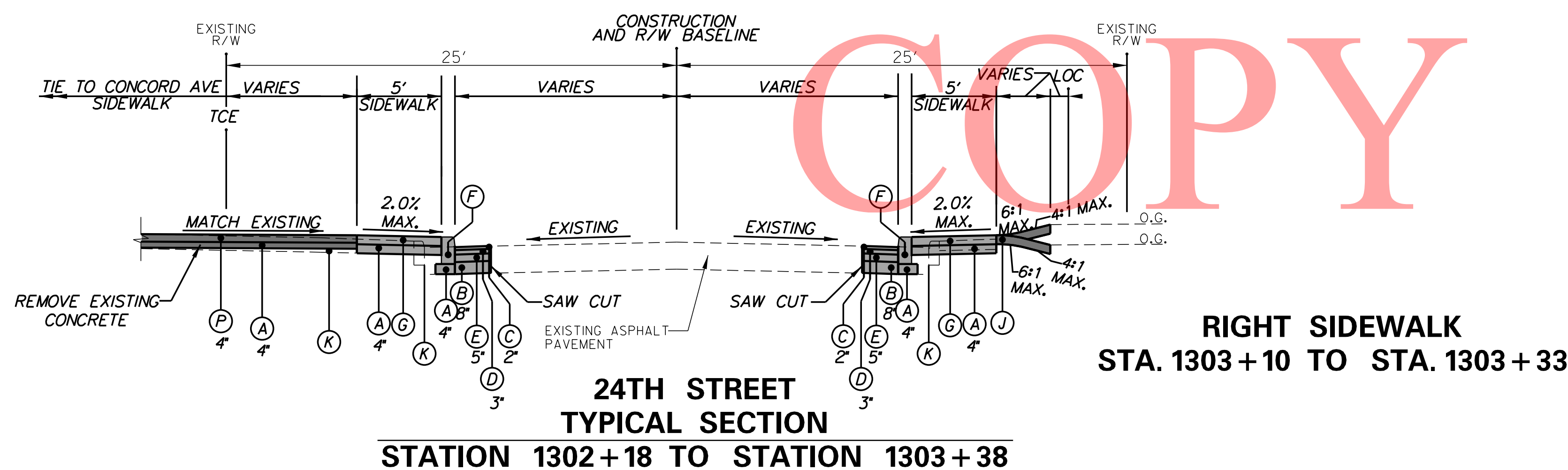
- (A) ITEM 301001 - GRADED AGGREGATE BASE COURSE, TYPE B (SEE NOTE 1)
- (B) ITEM 301002 - GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING
- (C) ITEM 401029 - SUPERPAVE TYPE C, PG 64-22, PATCHING
- (D) ITEM 401030 - SUPERPAVE TYPE B, PG 64-22, PATCHING
- (E) ITEM 401031 - SUPERPAVE TYPE BCBC, PG 64-22, PATCHING
- (F) ITEM 701012 - P.C.C. CURB, TYPE 1-6
- (G) ITEM 705001 - P.C.C. SIDEWALK, 4" DEPTH
- (H) ITEM 705002 - P.C.C. SIDEWALK, 6" DEPTH
- (J) ITEM 908004 - TOPSOIL, 6" DEPTH
ITEM 908016 - PERMANENT GRASS SEEDING, SUBDIVISION
- (K) ITEM 209006 - BORROW, TYPE F
- (L) ITEM 401005 - SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)
- (M) ITEM 401014 - SUPERPAVE TYPE B, PG 64-22
- (N) ITEM 401021 - SUPERPAVE TYPE BCBC, PG 64-22
- (O) ITEM 503001 - PATCHING PCC PAVEMENT, 6' TO 15', TYPE A
- (P) ITEM 302004 - DELAWARE NO. 10 STONE



NOTES:

1. COST OF GRADED AGGREGATE BASE COURSE, TYPE B PROPOSED UNDER SIDEWALK AND CURB SHALL BE INCIDENTAL TO ITEM 705001 OR ITEM 701012.
2. WHERE 6" GRADED AGGREGATE BASE COURSE, TYPE B IS PROPOSED UNDER CURB RAMPS, COST OF GRADED AGGREGATE BASE COURSE, TYPE B SHALL BE INCIDENTAL TO ITEM 705002 - P.C.C. SIDEWALK, 6" DEPTH. SEE CONSTRUCTION PLANS FOR LOCATION OF SIDEWALK RAMPS AND 6" SIDEWALK.
3. SEE CP AND GG SHEETS FOR CURB LAYOUT AND LOCATIONS OF SIDEWALK. WHERE PROPOSED SIDEWALK TIES INTO EXISTING SIDEWALK, CONTRACTOR SHALL CONSTRUCT A TRANSITION SLAB TO THE NEAREST EXISTING SIDEWALK JOINT. CONSTRUCTION JOINTS SHALL BE PLACED AS DESCRIBED IN NOTE 6 ON DELDOT STANDARD CONSTRUCTION DETAIL M-3.
4. LATERAL OFFSET IS A MINIMUM OF 4' BEHIND THE FACE OF CURB ALONG THE ROADWAY AND 6' BEHIND THE FACE OF CURB AT INTERSECTIONS AND ENTRANCES.

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

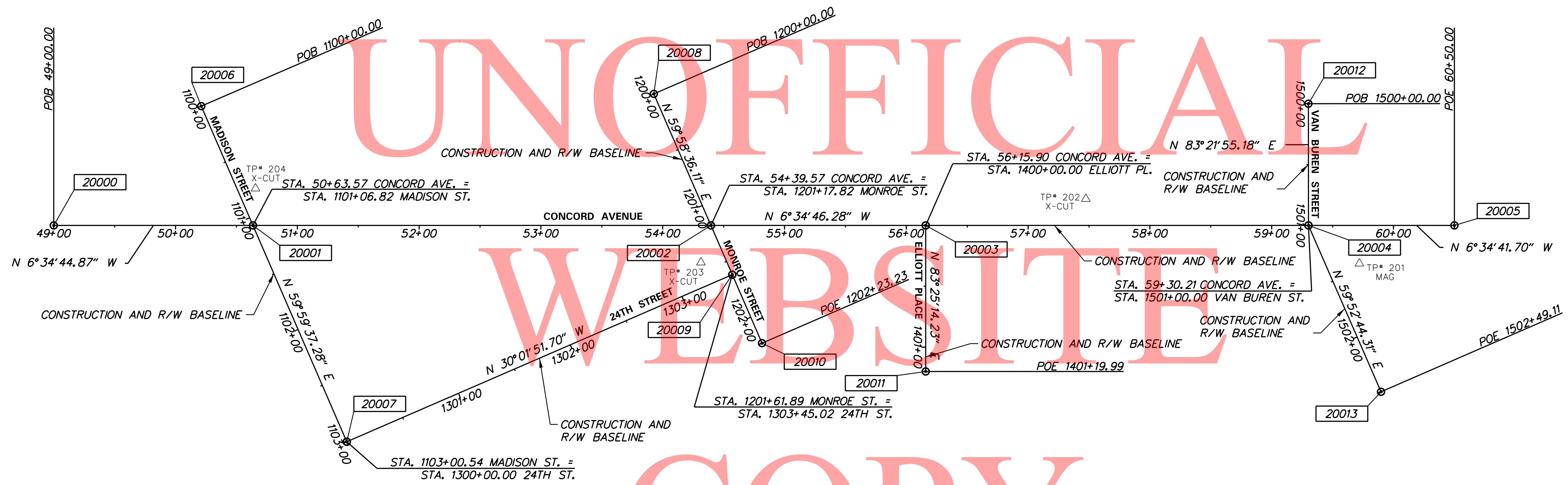


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ADDENDUMS / REVISIONS



CONTRACT T201620002	BRIDGE NO. N/A
COUNTY NEW CASTLE	DESIGNED BY: V.A.K. CHECKED BY: T.A.O.



CONSTRUCTION ALIGNMENT CONTROL				
POINT	STATION	OFFSET	NORTHING	EASTING
20000	49+00.0	0.0000'	640101.2636	621024.9205
20001	50+63.57	0.0000'	640263.7592	621006.1791
20002	54+39.57	0.0000'	640637.2828	620963.0963
20003	56+15.90	0.0000'	640812.4507	620942.8921
20004	59+30.21	0.0000'	641124.6906	620906.8778
20005	60+50.00	0.0000'	641243.6899	620893.1549
20006	1100+00.00	0.0000'	640210.3379	620913.6743
20007	1103+00.54	0.0000'	640360.6359	621173.9317
20008	1200+00.00	0.0000'	640578.3332	620861.0884
20009	1201+61.89	0.0000'	640659.3376	621001.2604
20010	1202+23.23	0.0000'	640690.0265	621054.3652
20011	1401+19.99	0.0000'	640826.1986	621062.0877
20012	1500+00.00	0.0000'	641113.1368	620807.5475
20013	1502+49.11	0.0000'	641199.5163	621035.8498

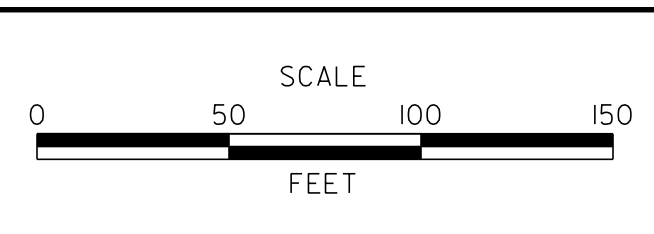
HORIZONTAL / VERTICAL CONTROL DATA					
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
TP 200			641526.0093	620828.4933	114.89
TP 201	59+72.01	31.31'	641169.8020	620933.1912	111.41
TP 202	57+47.41	-21.83'	640940.5948	620906.1346	114.11
TP 203	54+31.38	30.43'	640632.6279	620994.2686	117.87
TP 204	50+65.62	-30.39'	640262.3153	620975.7513	118.55

DATUM REFERENCE:
 HORIZONTAL - THIS PROJECT IS REFERENCED TO THE DELAWARE STATE
 PLANE COORDINATE SYSTEM (NAD 83/2007).
 VERTICAL - THIS PROJECT IS REFERENCED TO NAVD 88.

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ADDENDUMS / REVISIONS



CONCORD AVENUE STREETSCAPE IMPROVEMENTS, PHASE 2

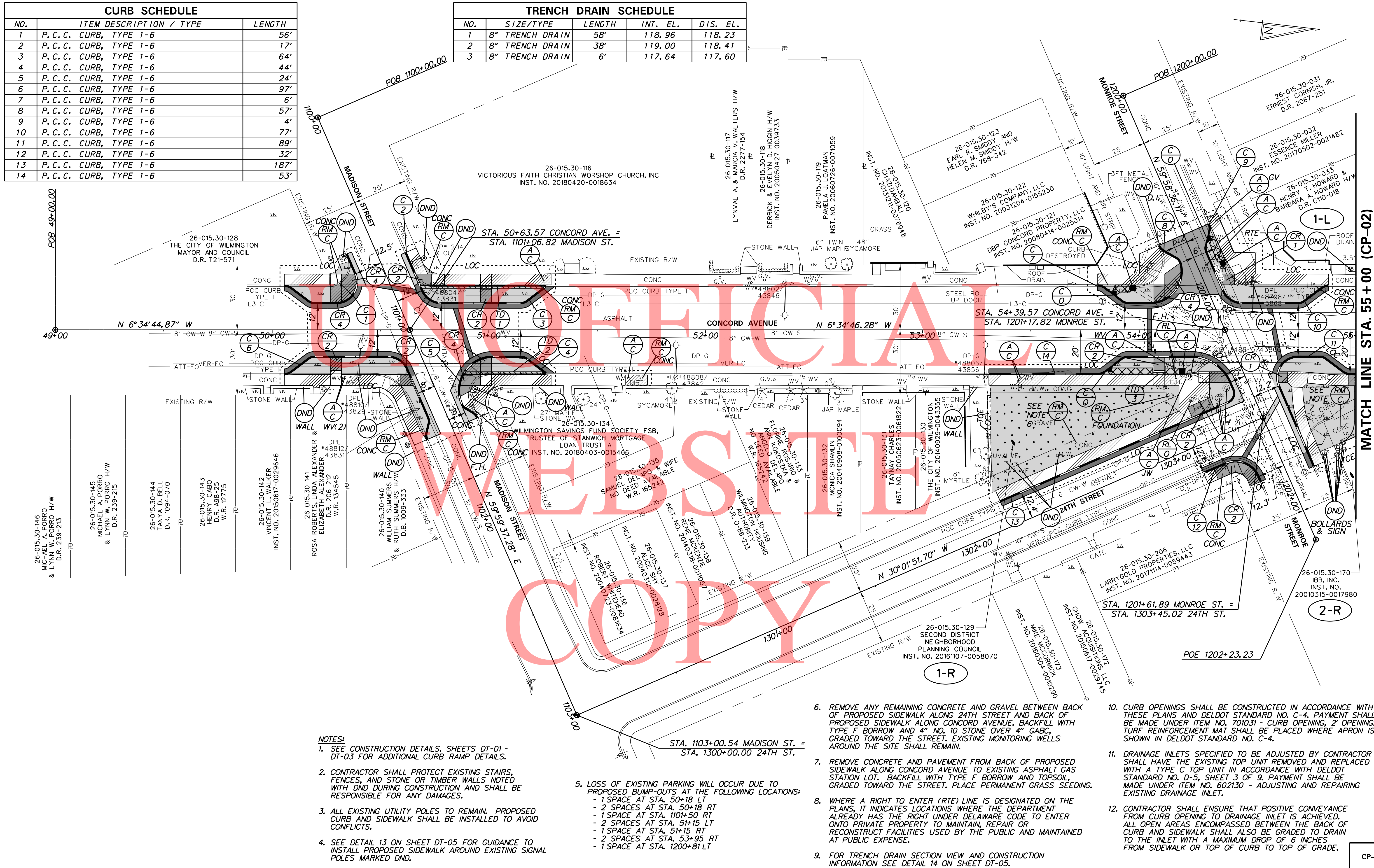
CONTRACT T201620002	BRIDGE NO. N/A
COUNTY NEW CASTLE	DESIGNED BY: V.A.K.
	CHECKED BY: T.A.O.

HORIZONTAL AND VERTICAL CONTROL

HV-01
SHEET NO. 8
TOTAL SHTS. 47

CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
1	P. C. C. CURB, TYPE 1-6	56'
2	P. C. C. CURB, TYPE 1-6	17'
3	P. C. C. CURB, TYPE 1-6	64'
4	P. C. C. CURB, TYPE 1-6	44'
5	P. C. C. CURB, TYPE 1-6	24'
6	P. C. C. CURB, TYPE 1-6	97'
7	P. C. C. CURB, TYPE 1-6	6'
8	P. C. C. CURB, TYPE 1-6	57'
9	P. C. C. CURB, TYPE 1-6	4'
10	P. C. C. CURB, TYPE 1-6	77'
11	P. C. C. CURB, TYPE 1-6	89'
12	P. C. C. CURB, TYPE 1-6	32'
13	P. C. C. CURB, TYPE 1-6	187'
14	P. C. C. CURB, TYPE 1-6	53'

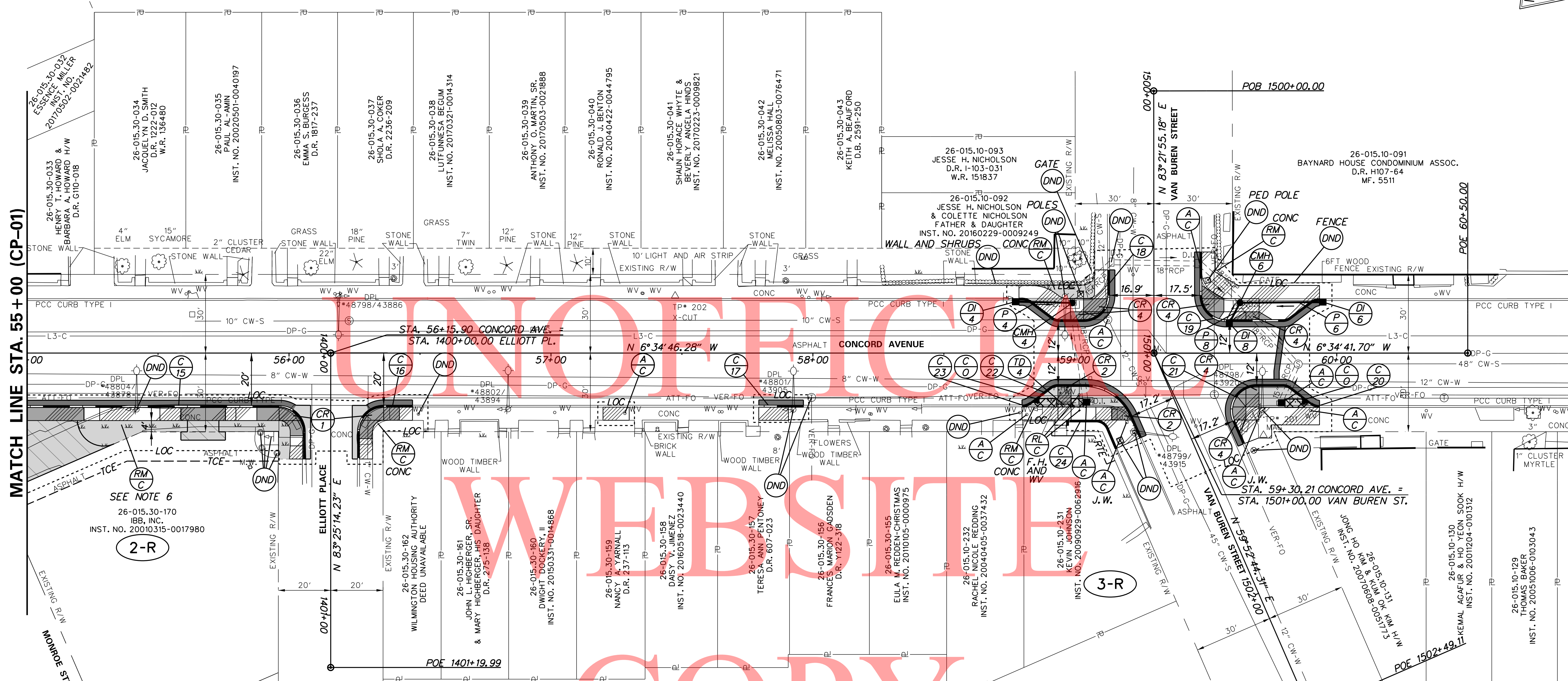
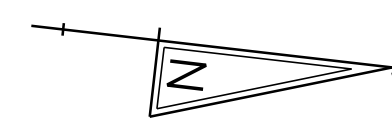
TRENCH DRAIN SCHEDULE				
NO.	SIZE/TYPE	LENGTH	INT. EL.	DIS. EL.
1	8" TRENCH DRAIN	58'	118.96	118.23
2	8" TRENCH DRAIN	38'	119.00	118.41
3	8" TRENCH DRAIN	6'	117.64	117.60



- NOTES:**
- SEE CONSTRUCTION DETAILS, SHEETS DT-01 - DT-03 FOR ADDITIONAL CURB RAMP DETAILS.
 - CONTRACTOR SHALL PROTECT EXISTING STAIRS, FENCES, AND STONE OR TIMBER WALLS NOTED WITH DND DURING CONSTRUCTION AND SHALL BE RESPONSIBLE FOR ANY DAMAGES.
 - ALL EXISTING UTILITY POLES TO REMAIN. PROPOSED CURB AND SIDEWALK SHALL BE INSTALLED TO AVOID CONFLICTS.
 - SEE DETAIL 13 ON SHEET DT-05 FOR GUIDANCE TO INSTALL PROPOSED SIDEWALK AROUND EXISTING SIGNAL POLES MARKED DND.
 - LOSS OF EXISTING PARKING WILL OCCUR DUE TO PROPOSED BUMP-OUTS AT THE FOLLOWING LOCATIONS:
 - 1 SPACE AT STA. 50+18 LT
 - 2 SPACES AT STA. 50+18 RT
 - 1 SPACE AT STA. 1101+50 RT
 - 2 SPACES AT STA. 51+15 LT
 - 1 SPACE AT STA. 51+15 RT
 - 2 SPACES AT STA. 53+95 RT
 - 1 SPACE AT STA. 1200+81 LT
 - REMOVE ANY REMAINING CONCRETE AND GRAVEL BETWEEN BACK OF PROPOSED SIDEWALK ALONG 24TH STREET AND BACK OF PROPOSED SIDEWALK ALONG CONCORD AVENUE. BACKFILL WITH TYPE F BORROW AND 4" NO. 10 STONE OVER 4" GABC, GRADED TOWARD THE STREET. EXISTING MONITORING WELLS AROUND THE SITE SHALL REMAIN.
 - REMOVE CONCRETE AND PAVEMENT FROM BACK OF PROPOSED SIDEWALK ALONG CONCORD AVENUE TO EXISTING ASPHALT GAS STATION LOT. BACKFILL WITH TYPE F BORROW AND TOPSOIL, GRADED TOWARD THE STREET. PLACE PERMANENT GRASS SEEDING.
 - WHERE A RIGHT TO ENTER (RTE) LINE IS DESIGNATED ON THE PLANS, IT INDICATES LOCATIONS WHERE THE DEPARTMENT ALREADY HAS THE RIGHT UNDER DELAWARE CODE TO ENTER ONTO PRIVATE PROPERTY TO MAINTAIN, REPAIR OR RECONSTRUCT FACILITIES USED BY THE PUBLIC AND MAINTAINED AT PUBLIC EXPENSE.
 - FOR TRENCH DRAIN SECTION VIEW AND CONSTRUCTION INFORMATION SEE DETAIL 14 ON SHEET DT-05.
 - CURB OPENINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THESE PLANS AND DELDOT STANDARD NO. C-4. PAYMENT SHALL BE MADE UNDER ITEM NO. 701031 - CURB OPENING, 2' OPENING. TURT REINFORCEMENT MAT SHALL BE PLACED WHERE APRON IS SHOWN IN DELDOT STANDARD NO. C-4.
 - DRAINAGE INLETS SPECIFIED TO BE ADJUSTED BY CONTRACTOR SHALL HAVE THE EXISTING TOP UNIT REMOVED AND REPLACED WITH A TYPE C TOP UNIT IN ACCORDANCE WITH DELDOT STANDARD NO. D-5, SHEET 3 OF 9. PAYMENT SHALL BE MADE UNDER ITEM NO. 602130 - ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET.
 - CONTRACTOR SHALL ENSURE THAT POSITIVE CONVEYANCE FROM CURB OPENING TO DRAINAGE INLET IS ACHIEVED. ALL OPEN AREAS ENCOMPASSED BETWEEN THE BACK OF CURB AND SIDEWALK SHALL ALSO BE GRADED TO DRAIN TO THE INLET WITH A MAXIMUM DROP OF 6 INCHES FROM SIDEWALK OR TOP OF CURB TO TOP OF GRADE.

MATCH LINE STA. 55 + 00 (CP-02)

CP-01



MATCH LINE STA. 55+00 (CP-01)

DRAINAGE INLET SCHEDULE

NO.	STATION	OFFSET	BOX SIZE	GRATE	T. G. EL.	INV. EL.
4	58+77.35	**	34" x 24"	1	111.84	108.89
6	59+94.75	**	34" x 24"	1	111.31	108.33
8	59+59.00	**	34" x 24"	1	111.31	108.81

** MATCH CURBLINE AND FLOWLINE OF PROPOSED CURB AND GUTTER (SEE GG SHEETS FOR CURB LAYOUT)

DRAINAGE PIPE SCHEDULE

NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INT. EL.	DIS. EL.
4	15" RCP	III	20'	0.0485	108.89	107.92
6	15" RCP	III	30'	0.0700	108.33	106.23
8	15" RCP	III	8'	0.0713	108.81	108.24

CONVERT TO MANHOLE SCHEDULE

NO.	STATION	OFFSET	T. G. EL.	INV. EL.
4	58+99.04	19.2' LT.	112.20	106.89
6	59+63.06	19.2' LT.	111.80	106.03

TRENCH DRAIN SCHEDULE

NO.	SIZE/TYPE	LENGTH	INT. EL.	DIS. EL.
4	8" TRENCH DRAIN	6'	111.64	111.51

CURB SCHEDULE

NO.	ITEM DESCRIPTION / TYPE	LENGTH
15	P. C. C. CURB, TYPE 1-6	122'
16	P. C. C. CURB, TYPE 1-6	37'
17	P. C. C. CURB, TYPE 1-6	17'
18	P. C. C. CURB, TYPE 1-6	53'
19	P. C. C. CURB, TYPE 1-6	70'
20	P. C. C. CURB, TYPE 1-6	3'
21	P. C. C. CURB, TYPE 1-6	48'
22	P. C. C. CURB, TYPE 1-6	50'
23	P. C. C. CURB, TYPE 1-6	3'
24	P. C. C. CURB, TYPE 1-6	28'

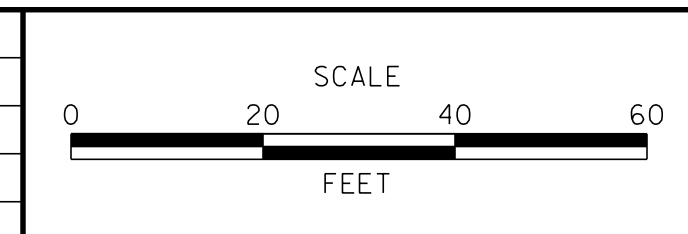
- NOTES:**
- SEE CONSTRUCTION DETAILS, SHEETS DT-03 - DT-05 FOR ADDITIONAL CURB RAMP DETAILS.
 - CONTRACTOR SHALL PROTECT EXISTING STAIRS, FENCES, AND STONE OR CONCRETE WALLS NOTED WITH DND DURING CONSTRUCTION AND SHALL BE RESPONSIBLE FOR ANY DAMAGES.
 - ALL EXISTING UTILITY POLES TO REMAIN. PROPOSED CURB AND SIDEWALK SHALL BE INSTALLED TO AVOID CONFLICTS.
 - SEE DETAIL 13 ON SHEET DT-05 FOR GUIDANCE TO INSTALL PROPOSED SIDEWALK AROUND EXISTING SIGNAL POLES MARKED DND.
 - LOSS OF EXISTING PARKING WILL OCCUR DUE TO PROPOSED BUMP-OUTS AT THE FOLLOWING LOCATIONS:
 - 1 SPACE AT STA. 59+82 RT
 - 1 SPACE AT STA. 59+82 LT
 - 1 SPACE AT STA. 58+93 LT
 - REMOVE CONCRETE AND PAVEMENT FROM BACK OF PROPOSED SIDEWALK ALONG CONCORD AVENUE TO EXISTING ASPHALT GAS STATION LOT. BACKFILL WITH TYPE F BORROW AND TOPSOIL, GRADED TOWARD THE STREET. PLACE PERMANENT GRASS SEEDING.
 - WHERE A RIGHT TO ENTER (RTE) LINE IS DESIGNATED ON THE PLANS, IT INDICATES LOCATIONS WHERE THE DEPARTMENT ALREADY HAS THE RIGHT UNDER DELAWARE CODE TO ENTER ONTO PRIVATE PROPERTY TO MAINTAIN, REPAIR OR RECONSTRUCT FACILITIES USED BY THE PUBLIC AND MAINTAINED AT PUBLIC EXPENSE.
 - FOR TRENCH DRAIN SECTION VIEW AND CONSTRUCTION INFORMATION SEE DETAIL 14 ON SHEET DT-05.
 - CURB OPENINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THESE PLANS AND DELDOT STANDARD NO. C-4. PAYMENT SHALL BE MADE UNDER ITEM NO. 701031 - CURB OPENING, 2' OPENING. TURF REINFORCEMENT MAT SHALL BE PLACED WHERE APRON IS SHOWN IN DELDOT STANDARD NO. C-4.
 - DRAINAGE INLETS SPECIFIED TO BE ADJUSTED BY CONTRACTOR SHALL HAVE THE EXISTING TOP UNIT REMOVED AND REPLACED WITH A TYPE C TOP UNIT IN ACCORDANCE WITH DELDOT STANDARD NO. D-5, SHEET 3 OF 9. PAYMENT SHALL BE MADE UNDER ITEM NO. 602130 - ADJUSTING AND REPAIRING EXISTING DRAINAGE INLET.
 - CONTRACTOR SHALL ENSURE THAT POSITIVE CONVEYANCE FROM CURB OPENING TO DRAINAGE INLET IS ACHIEVED. ALL OPEN AREAS ENCOMPASSED BETWEEN THE BACK OF CURB AND SIDEWALK SHALL ALSO BE GRADED TO DRAIN TO THE INLET WITH A MAXIMUM DROP OF 6 INCHES FROM SIDEWALK OR TOP OF CURB TO TOP OF GRADE.

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ADDENDUMS / REVISIONS

NO.	DESCRIPTION

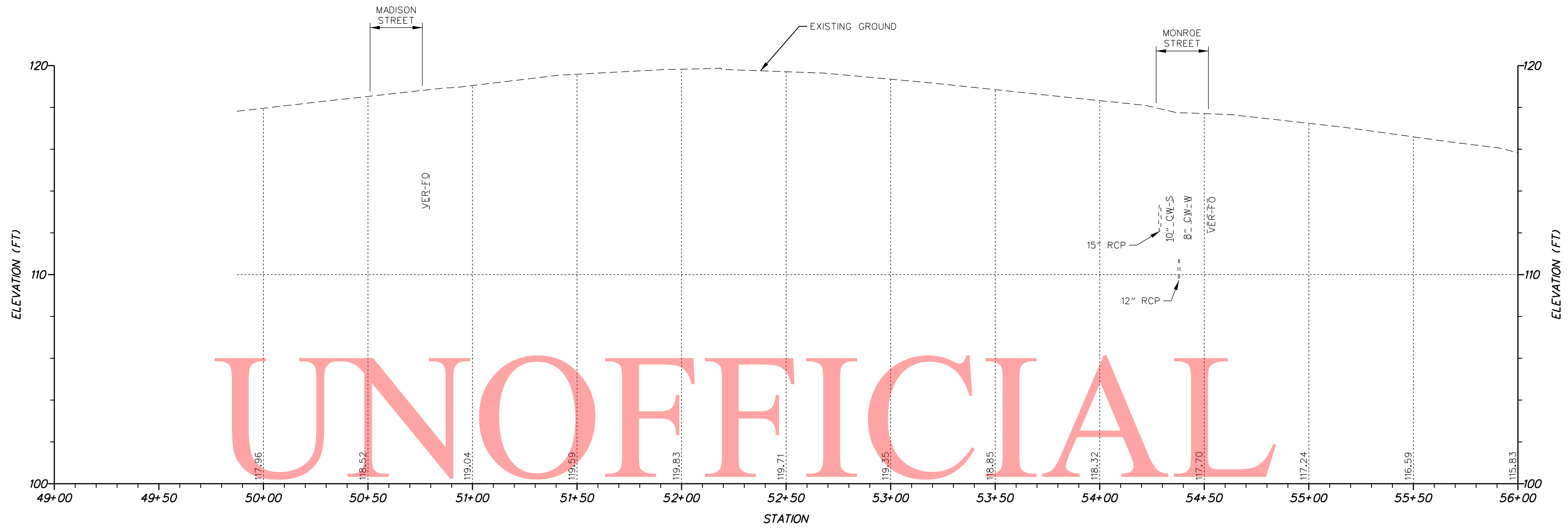


CONCORD AVENUE STREETScape IMPROVEMENTS, PHASE 2

CONTRACT	BRIDGE NO.	N/A
T201620002	DESIGNED BY:	V.A.K.
COUNTY	CHECKED BY:	T.A.O.
NEW CASTLE		

CONSTRUCTION PLAN

CP-02
SHEET NO.
10
TOTAL SHTS.
47

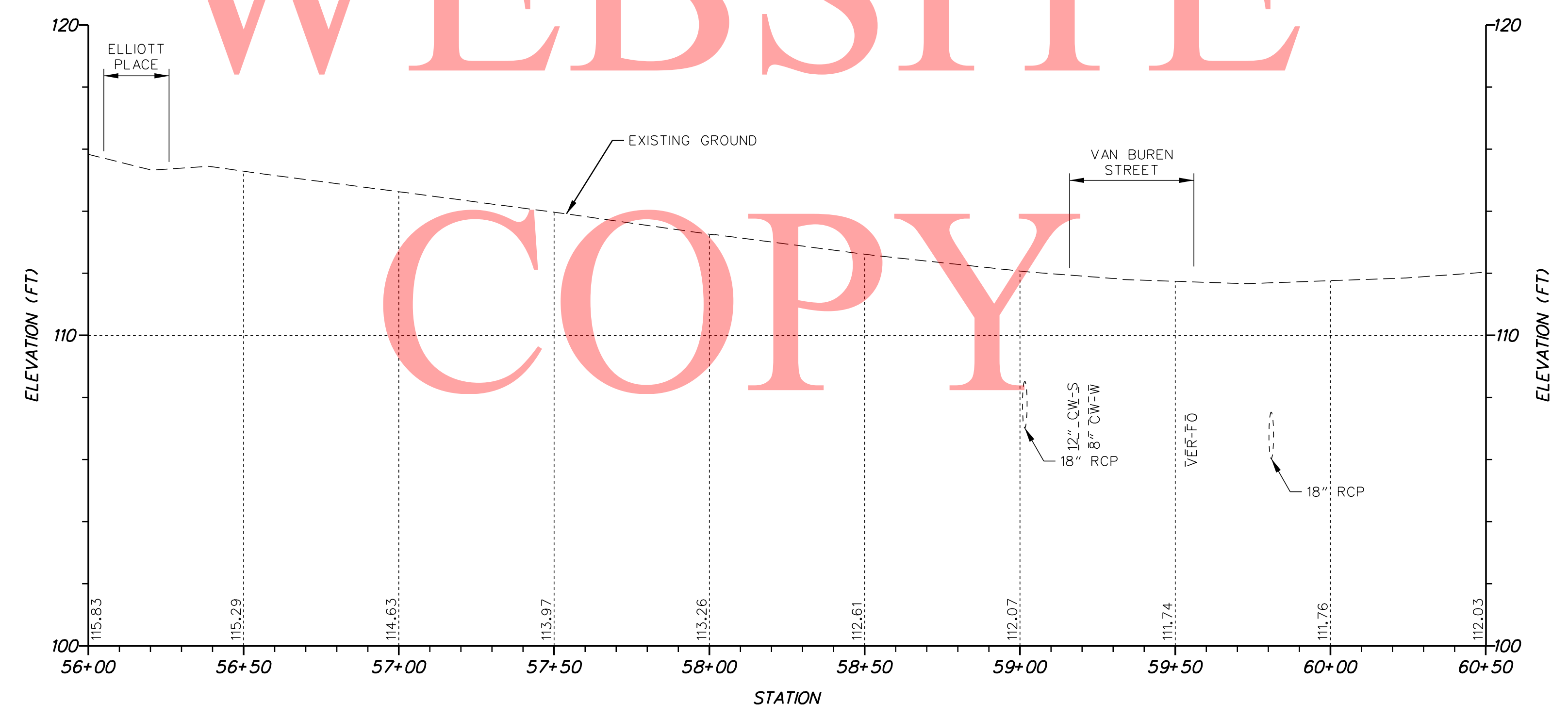


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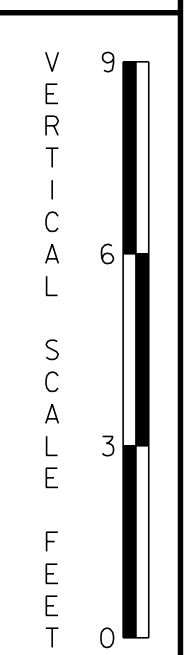
CONCORD AVENUE

WEBSITE

COPY



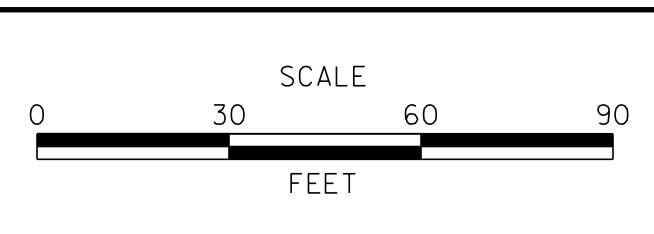
CONCORD AVENUE



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ADDENDUMS / REVISIONS	



CONCORD AVENUE STREETSCAPE IMPROVEMENTS, PHASE 2

CONTRACT T201620002	BRIDGE NO. N/A
COUNTY NEW CASTLE	DESIGNED BY: V.A.K.
	CHECKED BY: T.A.O.

PROFILES	SHEET NO. 11
	TOTAL SHTS. 47

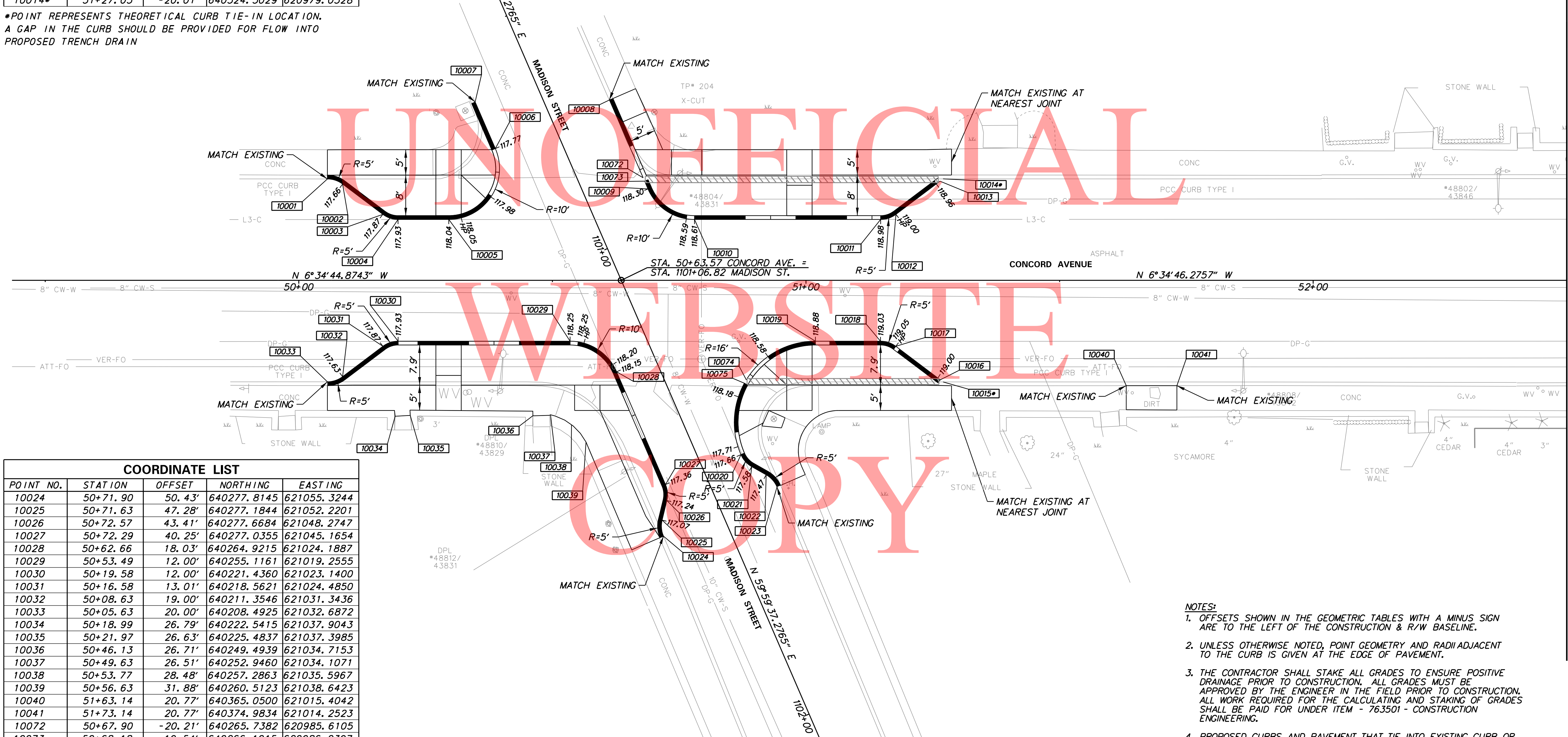
PF-01

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
10001	50+05.63	-19.98'	640203.9113	620992.9662
10002	50+08.64	-18.98'	640207.0142	620993.6218
10003	50+16.56	-13.01'	640215.5675	620998.6443
10004	50+19.57	-12.00'	640218.6722	620999.2997
10005	50+29.57	-12.00'	640228.6063	620998.1539
10006	50+38.75	-25.98'	640236.1203	620983.2188
10007	50+34.77	-35.16'	640231.1161	620974.5536
10008	50+61.21	-35.53'	640257.3443	620971.1540
10009	50+68.84	-18.02'	640266.9275	620987.6700
10010	50+78.02	-12.00'	640276.7331	620992.6031
10011	51+14.73	-12.00'	640313.2022	620988.3967
10012	51+17.74	-13.01'	640316.0761	620987.0518
10013	51+26.42	-19.55'	640323.9502	620979.5587
10014*	51+27.03	-20.01'	640324.5029	620979.0328

*POINT REPRESENTS THEORETICAL CURB TIE-IN LOCATION.
A GAP IN THE CURB SHOULD BE PROVIDED FOR FLOW INTO
PROPOSED TRENCH DRAIN

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
10015*	51+27.03	20.03'	640329.0906	621018.8069
10016	51+26.47	19.61'	640328.4941	621018.4566
10017	51+17.71	13.01'	640319.0267	621012.8975
10018	51+14.70	12.00'	640315.9220	621012.2421
10019	51+01.86	12.00'	640303.1704	621013.7129
10020	50+87.18	34.36'	640291.1481	621037.6091
10021	50+89.30	36.72'	640293.5249	621039.7114
10022	50+92.15	38.34'	640296.5444	621040.9927
10023	50+94.29	40.73'	640298.9385	621043.1254

*POINT REPRESENTS THEORETICAL CURB TIE-IN LOCATION.
A GAP IN THE CURB SHOULD BE PROVIDED FOR FLOW INTO
PROPOSED TRENCH DRAIN

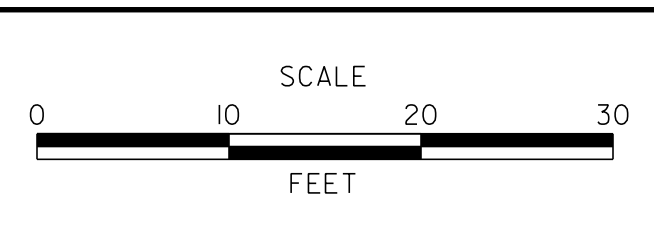


COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
10024	50+71.90	50.43'	640277.8145	621055.3244
10025	50+71.63	47.28'	640277.1844	621052.2201
10026	50+72.57	43.41'	640277.6684	621048.2747
10027	50+72.29	40.25'	640277.0355	621045.1654
10028	50+62.66	18.03'	640264.9215	621024.1887
10029	50+53.49	12.00'	640255.1161	621019.2555
10030	50+19.58	12.00'	640221.4360	621023.1400
10031	50+16.58	13.01'	640218.5621	621024.4850
10032	50+08.63	19.00'	640211.3546	621031.3436
10033	50+05.63	20.00'	640208.4925	621032.6872
10034	50+18.99	26.79'	640222.5415	621037.9043
10035	50+21.97	26.63'	640225.4837	621037.3985
10036	50+46.13	26.71'	640249.4939	621034.7153
10037	50+49.63	26.51'	640252.9460	621034.1071
10038	50+53.77	28.48'	640257.2863	621035.5967
10039	50+56.63	31.88'	640260.5123	621038.6423
10040	51+63.14	20.77'	640365.0500	621015.4042
10041	51+73.14	20.77'	640374.9834	621014.2523
10072	50+67.90	-20.21'	640265.7382	620985.6105
10073	50+68.18	-19.54'	640266.1015	620986.2397
10074	50+88.23	19.62'	640290.5050	621022.8409
10075	50+87.84	20.28'	640290.1956	621023.5478

- NOTES:**
- OFFSETS SHOWN IN THE GEOMETRIC TABLES WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION & R/W BASELINE.
 - UNLESS OTHERWISE NOTED, POINT GEOMETRY AND RADII ADJACENT TO THE CURB IS GIVEN AT THE EDGE OF PAVEMENT.
 - THE CONTRACTOR SHALL STAKE ALL GRADES TO ENSURE POSITIVE DRAINAGE PRIOR TO CONSTRUCTION. ALL GRADES MUST BE APPROVED BY THE ENGINEER IN THE FIELD PRIOR TO CONSTRUCTION. ALL WORK REQUIRED FOR THE CALCULATING AND STAKING OF GRADES SHALL BE PAID FOR UNDER ITEM - 763501 - CONSTRUCTION ENGINEERING.
 - PROPOSED CURBS AND PAVEMENT THAT TIE INTO EXISTING CURB OR PAVEMENT SHALL MATCH THE EXISTING CURB OR PAVEMENT ELEVATIONS.
 - SEE CONSTRUCTION DETAILS FOR ADDITIONAL GRADES AND GEOMETRICS AT THE CURB RAMPS.

12/10/2014 10:55:00 AM C:\ADD\GG01-COAV.dgn

ADDENDUMS / REVISIONS



CONTRACT T201620002	BRIDGE NO. 	N/A
COUNTY NEW CASTLE	DESIGNED BY: V.A.K.	CHECKED BY: T.A.O.

GRADES AND GEOMETRICS	SHEET NO. 12
	TOTAL SHTS. 47

MATCH LINE STA. 52+50 (GG-02)

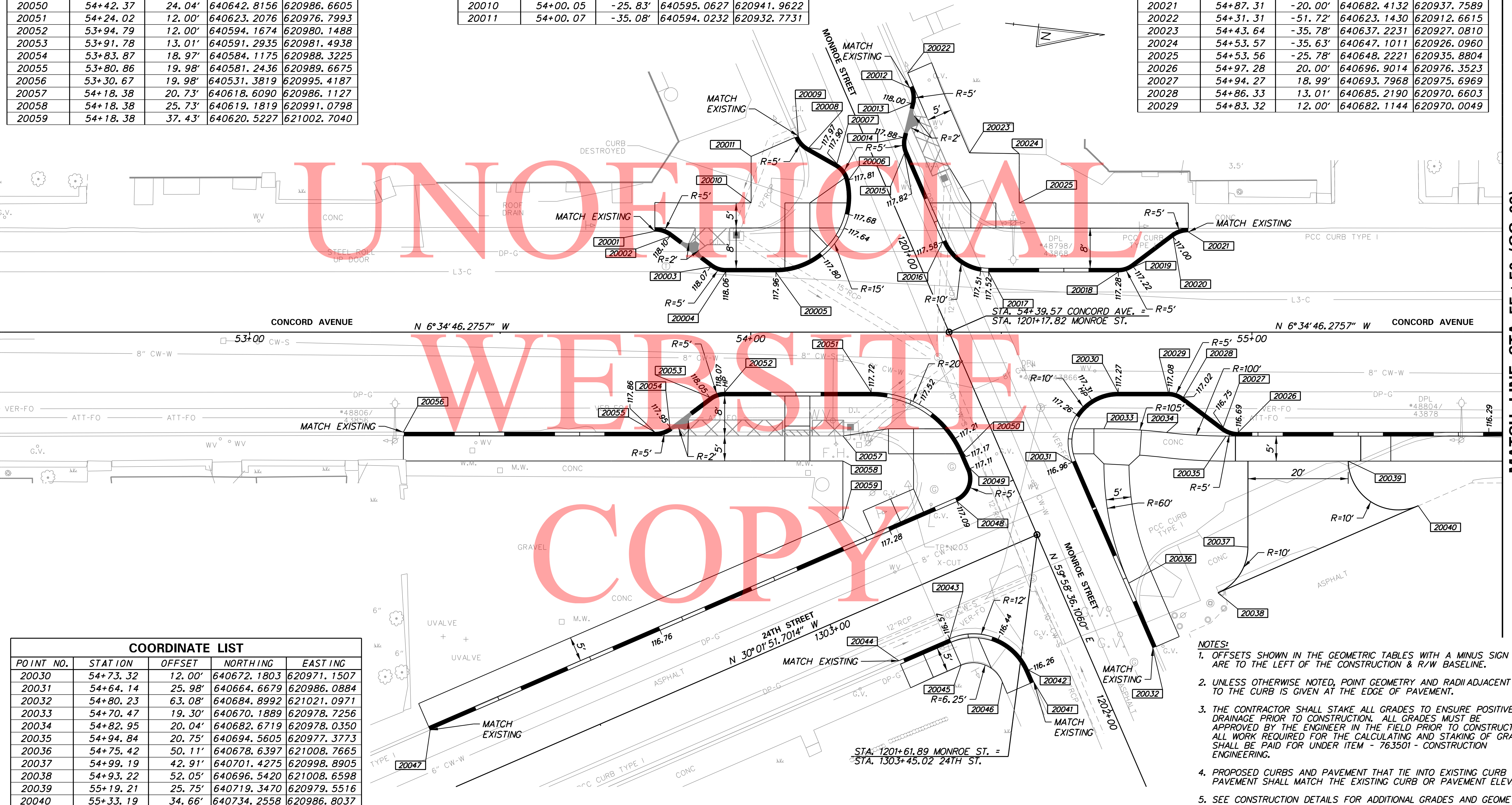
COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
20041	54+56.46	69.81'	640662.0559	621030.5093
20042	54+55.43	67.45'	640660.7667	621028.2861
20043	54+39.66	61.23'	640644.3850	621023.9143
20044	54+29.57	65.60'	640634.8592	621029.4151
20045	54+41.95	66.51'	640647.2605	621028.8937
20046	54+50.21	69.86'	640655.8517	621031.2750
20047	53+36.02	79.43'	640543.5100	621053.8645
20048	54+41.16	33.82'	640642.7318	620996.5071
20049	54+43.76	27.24'	640644.5586	620989.6766
20050	54+42.37	24.04'	640642.8156	620986.6605
20051	54+24.02	12.00'	640623.2076	620976.7993
20052	53+94.79	12.00'	640594.1674	620980.1488
20053	53+91.78	13.01'	640591.2935	620981.4938
20054	53+83.87	18.97'	640584.1175	620988.3225
20055	53+80.86	19.98'	640581.2436	620989.6675
20056	53+30.67	19.98'	640531.3819	620995.4187
20057	54+18.38	20.73'	640618.6090	620986.1127
20058	54+18.38	25.73'	640619.1819	620991.0798
20059	54+18.38	37.43'	640620.5227	621002.7040

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
20001	53+80.86	-20.12'	640576.6489	620949.8318
20002	53+83.86	-19.12'	640579.7426	620950.4885
20003	53+91.97	-13.01'	640588.4990	620955.6300
20004	53+94.97	-12.00'	640591.6036	620956.2854
20005	54+04.97	-12.00'	640601.5378	620955.1396
20006	54+19.58	-30.42'	640613.9369	620935.1702
20007	54+17.18	-33.63'	640611.1827	620932.2563
20008	54+11.59	-36.79'	640605.2698	620929.7492
20009	54+09.47	-39.16'	640602.8925	620927.6477
20010	54+00.05	-25.83'	640595.0627	620941.9622
20011	54+00.07	-35.08'	640594.0232	620932.7731

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
20012	54+31.72	-48.80'	640623.8931	620915.5116
20013	54+32.00	-45.64'	640624.5269	620918.6207
20014	54+30.36	-38.86'	640623.6788	620925.5517
20015	54+30.63	-35.69'	640624.3126	620928.6608
20016	54+38.30	-18.02'	640633.9512	620945.3396
20017	54+47.47	-12.00'	640643.7552	620950.2702
20018	54+73.35	-12.00'	640669.4666	620947.3046
20019	54+76.36	-13.01'	640672.3405	620945.9596
20020	54+84.31	-18.99'	640679.5464	620939.1024
20021	54+87.31	-20.00'	640682.4132	620937.7589
20022	54+31.31	-51.72'	640623.1430	620912.6615
20023	54+43.64	-35.78'	640637.2231	620927.0810
20024	54+53.57	-35.63'	640647.1011	620926.0960
20025	54+53.56	-25.78'	640648.2221	620935.8804
20026	54+97.28	20.00'	640696.9014	620976.3523
20027	54+94.27	18.99'	640693.7968	620975.6969
20028	54+86.33	13.01'	640685.2190	620970.6603
20029	54+83.32	12.00'	640682.1144	620970.0049

MATCH LINE STA. 52 + 50 (GG-01)

MATCH LINE STA. 55 + 50 (GG-03)



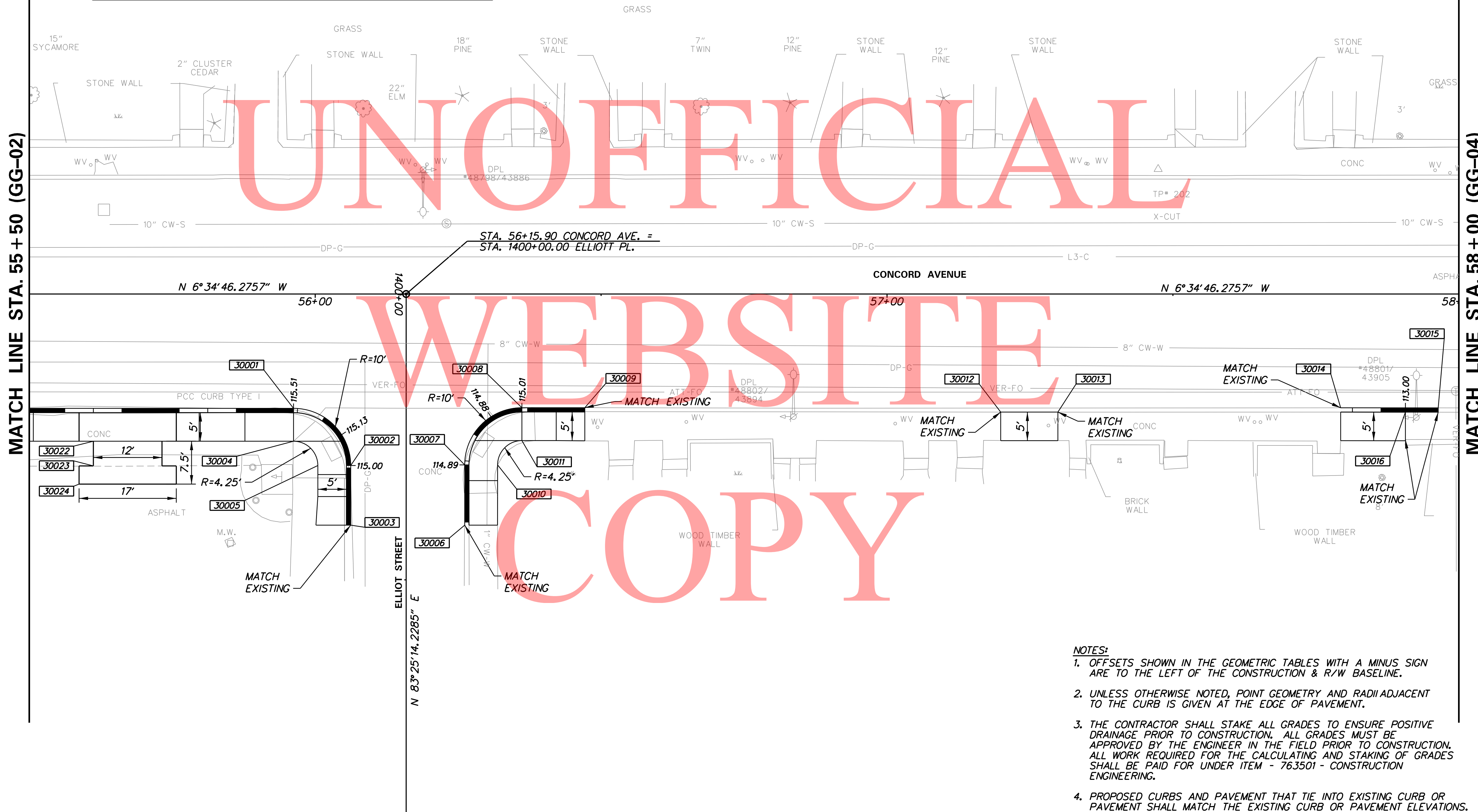
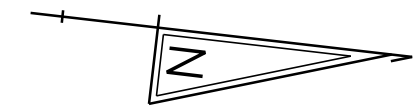
COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
20030	54+73.32	12.00'	640672.1803	620971.1507
20031	54+64.14	25.98'	640664.6679	620986.0884
20032	54+80.23	63.08'	640684.8992	621021.0971
20033	54+70.47	19.30'	640670.1889	620978.7256
20034	54+82.95	20.04'	640682.6719	620978.0350
20035	54+94.84	20.75'	640694.5605	620977.3773
20036	54+75.42	50.11'	640678.6397	621008.7665
20037	54+99.19	42.91'	640701.4275	620998.8905
20038	54+93.22	52.05'	640696.5420	621008.6598
20039	55+19.21	25.75'	640719.3470	620979.5516
20040	55+33.19	34.66'	640734.2558	620986.8037

- NOTES:**
- OFFSETS SHOWN IN THE GEOMETRIC TABLES WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION & R/W BASELINE.
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COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
30001	55+96.21	20.00'	640795.1791	620965.0168
30002	56+06.21	30.00'	640806.2591	620973.8052
30003	56+06.21	40.44'	640807.4554	620984.1772
30004	55+96.21	25.75'	640795.8379	620970.7290
30005	56+00.46	30.00'	640800.5469	620974.4640
30006	56+26.15	40.44'	640827.2612	620981.8928
30007	56+26.15	29.89'	640826.0525	620971.4135
30008	56+36.15	19.89'	640834.8408	620960.3335
30009	56+47.15	19.89'	640845.7683	620959.0731
30010	56+31.90	29.89'	640831.7646	620970.7546
30011	56+36.15	25.64'	640835.4996	620966.0457
30012	57+19.89	20.65'	640918.1178	620951.4909
30013	57+29.89	20.65'	640928.0524	620950.3489
30014	57+79.34	19.91'	640977.0948	620943.9403
30015	57+96.40	19.92'	640994.0387	620942.0004
30016	57+90.66	20.67'	640988.4272	620943.4010

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
30022	55+61.21	25.75'	640761.0704	620974.7391
30023	55+61.21	30.08'	640761.5662	620979.0381
30024	55+58.71	33.25'	640759.4462	620982.4762

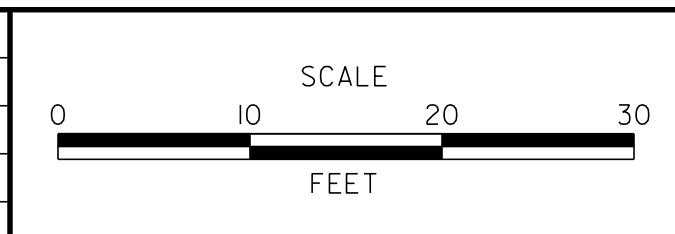


NOTES:

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4. PROPOSED CURBS AND PAVEMENT THAT TIE INTO EXISTING CURB OR PAVEMENT SHALL MATCH THE EXISTING CURB OR PAVEMENT ELEVATIONS.
5. SEE CONSTRUCTION DETAILS FOR ADDITIONAL GRADES AND GEOMETRICS AT THE CURB RAMPS.

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ADDENDUMS / REVISIONS



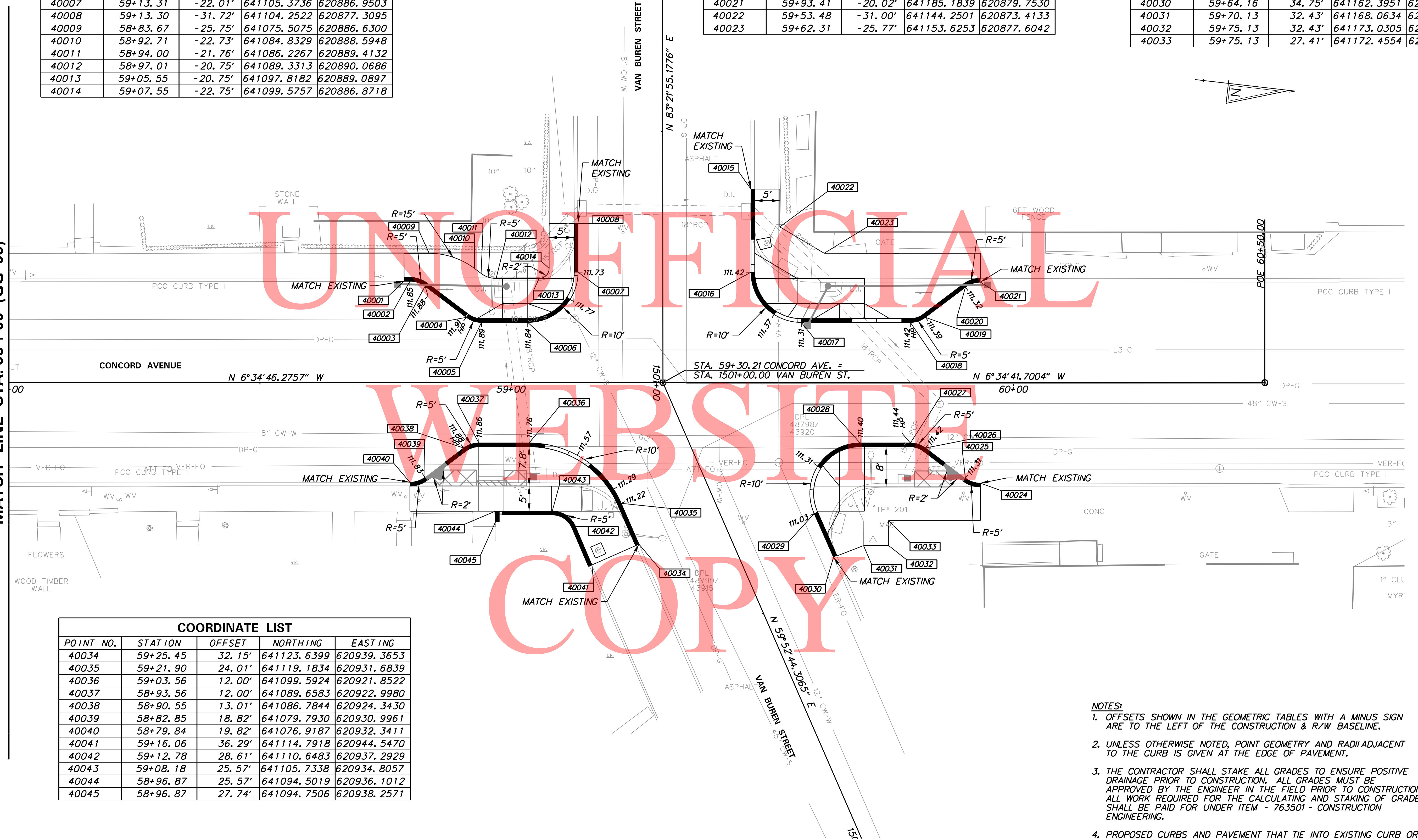
CONTRACT	BRIDGE NO.	N/A
T201620002	DESIGNED BY:	V.A.K.
COUNTY	CHECKED BY:	T.A.O.
NEW CASTLE		

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
40001	58+78.69	-20.20'	641071.1892	620892.7143
40002	58+79.84	-20.20'	641072.3325	620892.5792
40003	58+82.86	-19.20'	641075.4511	620893.2329
40004	58+91.07	-13.01'	641084.3209	620898.4411
40005	58+94.08	-12.00'	641087.4255	620899.0965
40006	59+03.31	-12.00'	641096.5864	620898.0398
40007	59+13.31	-22.01'	641105.3736	620886.9503
40008	59+13.30	-31.72'	641104.2522	620877.3095
40009	58+83.67	-25.75'	641075.5075	620886.6300
40010	58+92.71	-22.73'	641084.8329	620888.5948
40011	58+94.00	-21.76'	641086.2267	620889.4132
40012	58+97.01	-20.75'	641089.3313	620890.0686
40013	59+05.55	-20.75'	641097.8182	620889.0897
40014	59+07.55	-22.75'	641099.5757	620886.8718

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
40015	59+47.72	-38.54'	641137.6670	620866.5846
40016	59+47.74	-21.99'	641139.5793	620883.0250
40017	59+57.74	-12.00'	641150.6580	620891.8037
40018	59+79.43	-12.00'	641172.2125	620889.3181
40019	59+82.44	-13.01'	641175.0864	620887.9732
40020	59+90.41	-19.01'	641182.3119	620881.0977
40021	59+93.41	-20.02'	641185.1839	620879.7530
40022	59+53.48	-31.00'	641144.2501	620873.4133
40023	59+62.31	-25.77'	641153.6253	620877.6042

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
40024	59+93.41	20.00'	641189.7683	620919.5071
40025	59+90.40	18.99'	641186.6585	620918.8522
40026	59+82.45	13.01'	641178.0788	620913.8141
40027	59+79.45	12.00'	641174.9742	620913.1587
40028	59+69.45	12.00'	641165.0400	620914.3043
40029	59+60.30	26.05'	641157.5673	620929.3104
40030	59+64.16	34.75'	641162.3951	620937.5138
40031	59+70.13	32.43'	641168.0634	620934.5211
40032	59+75.13	32.43'	641173.0305	620933.9482
40033	59+75.13	27.41'	641172.4554	620928.9624

MATCH LINE STA. 58+00 (GG-03)

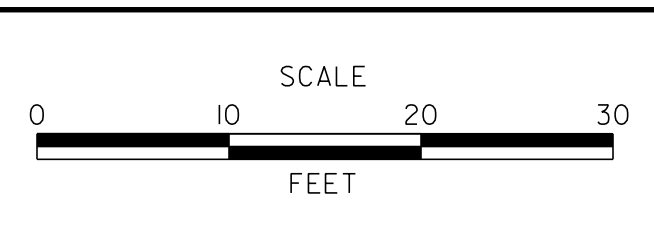


COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
40034	59+25.45	32.15'	641123.6399	620939.3653
40035	59+21.90	24.01'	641119.1834	620931.6839
40036	59+03.56	12.00'	641099.5924	620921.8522
40037	58+93.56	12.00'	641089.6583	620922.9980
40038	58+90.55	13.01'	641086.7844	620924.3430
40039	58+82.85	18.82'	641079.7930	620930.9961
40040	58+79.84	19.82'	641076.9187	620932.3411
40041	59+16.06	36.29'	641114.7918	620944.5470
40042	59+12.78	28.61'	641110.6483	620937.2929
40043	59+08.18	25.57'	641105.7338	620934.8057
40044	58+96.87	25.57'	641094.5019	620936.1012
40045	58+96.87	27.74'	641094.7506	620938.2571

- NOTES:**
1. OFFSETS SHOWN IN THE GEOMETRIC TABLES WITH A MINUS SIGN ARE TO THE LEFT OF THE CONSTRUCTION & R/W BASELINE.
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 5. SEE CONSTRUCTION DETAILS FOR ADDITIONAL GRADES AND GEOMETRICS AT THE CURB RAMPS.

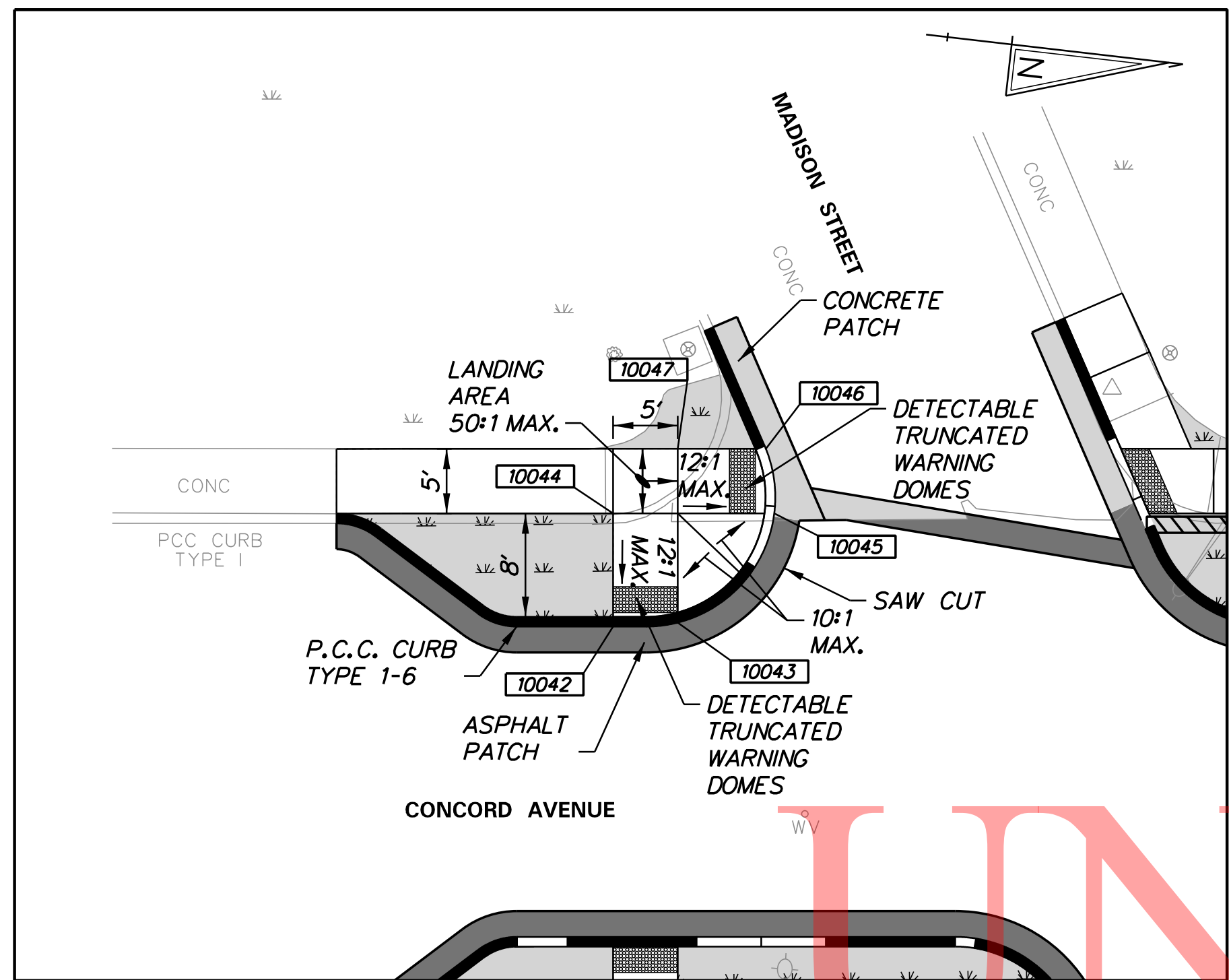
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ADDENDUMS / REVISIONS



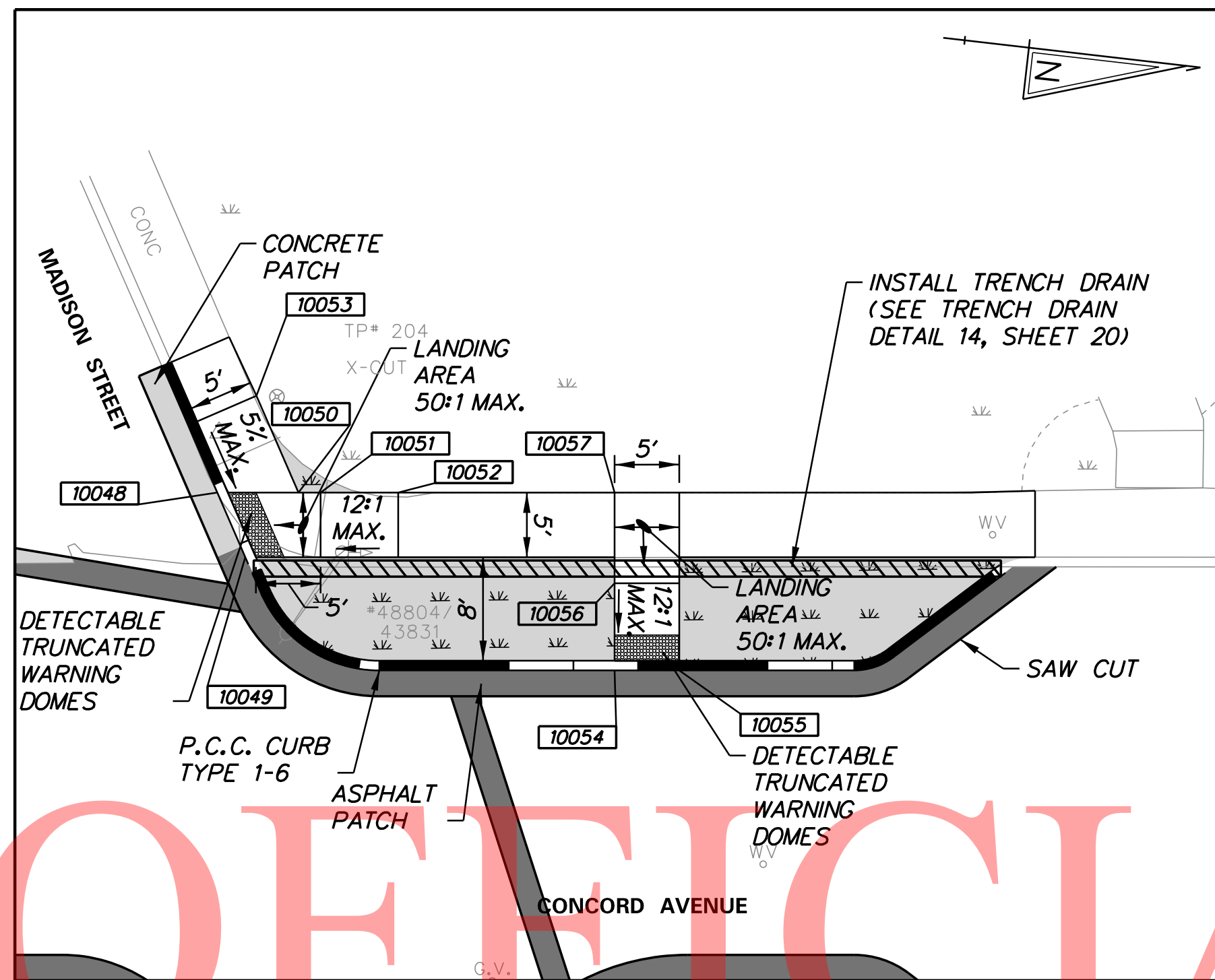
CONTRACT T201620002	BRIDGE NO. N/A
COUNTY NEW CASTLE	DESIGNED BY: V.A.K. CHECKED BY: T.A.O.

GG-04
SHEET NO. 15
TOTAL SHTS. 47



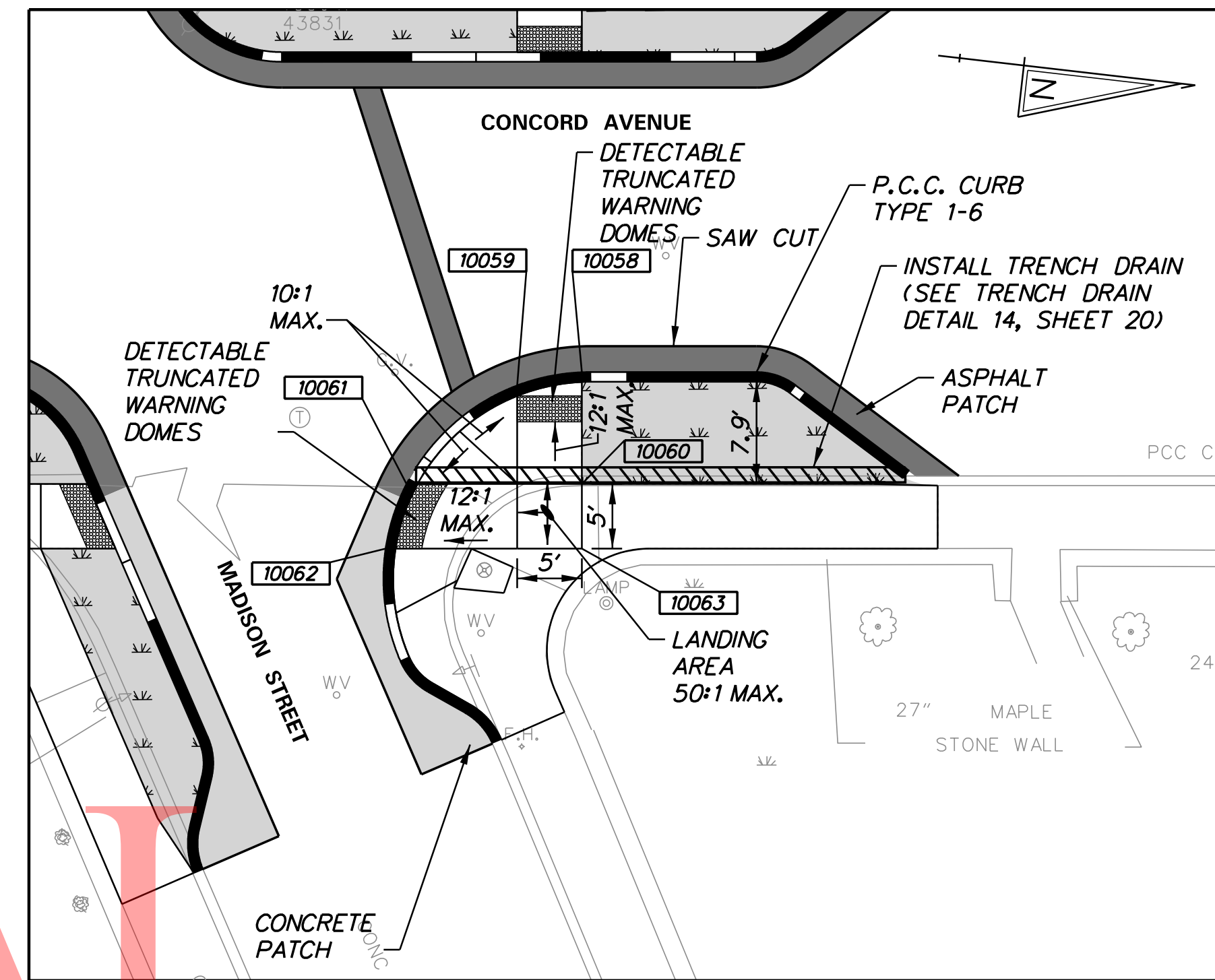
DETAIL 1
CONCORD AVE. AND MADISON ST.
SW CORNER

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
10042	50+27.03	-12.00'	640226.0788	620998.4454
10043	50+32.03	-12.31'	640231.0108	620997.5684
10044	50+27.03	-20.75'	640225.0763	620989.7530
10045	50+39.49	-20.75'	640237.4600	620988.3248
10046	50+38.84	-25.75'	640236.2433	620983.4320
10047	50+32.03	-25.75'	640229.4705	620984.2131



DETAIL 2
CONCORD AVE. AND MADISON ST.
NW CORNER

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
10048	50+65.49	-25.75'	640262.7168	620980.3786
10049	50+67.66	-20.75'	640265.4419	620985.0975
10050	50+71.76	-25.75'	640268.9421	620979.6606
10051	50+73.48	-25.75'	640270.6481	620979.4638
10052	50+79.48	-25.75'	640276.6086	620978.7763
10053	50+68.51	-33.24'	640264.8581	620972.5887
10054	50+96.20	-12.00'	640294.7957	620990.5198
10055	51+01.20	-12.00'	640299.7628	620989.9469
10056	50+96.20	-18.74'	640294.0231	620983.8211
10057	50+96.20	-25.75'	640293.2203	620976.8603

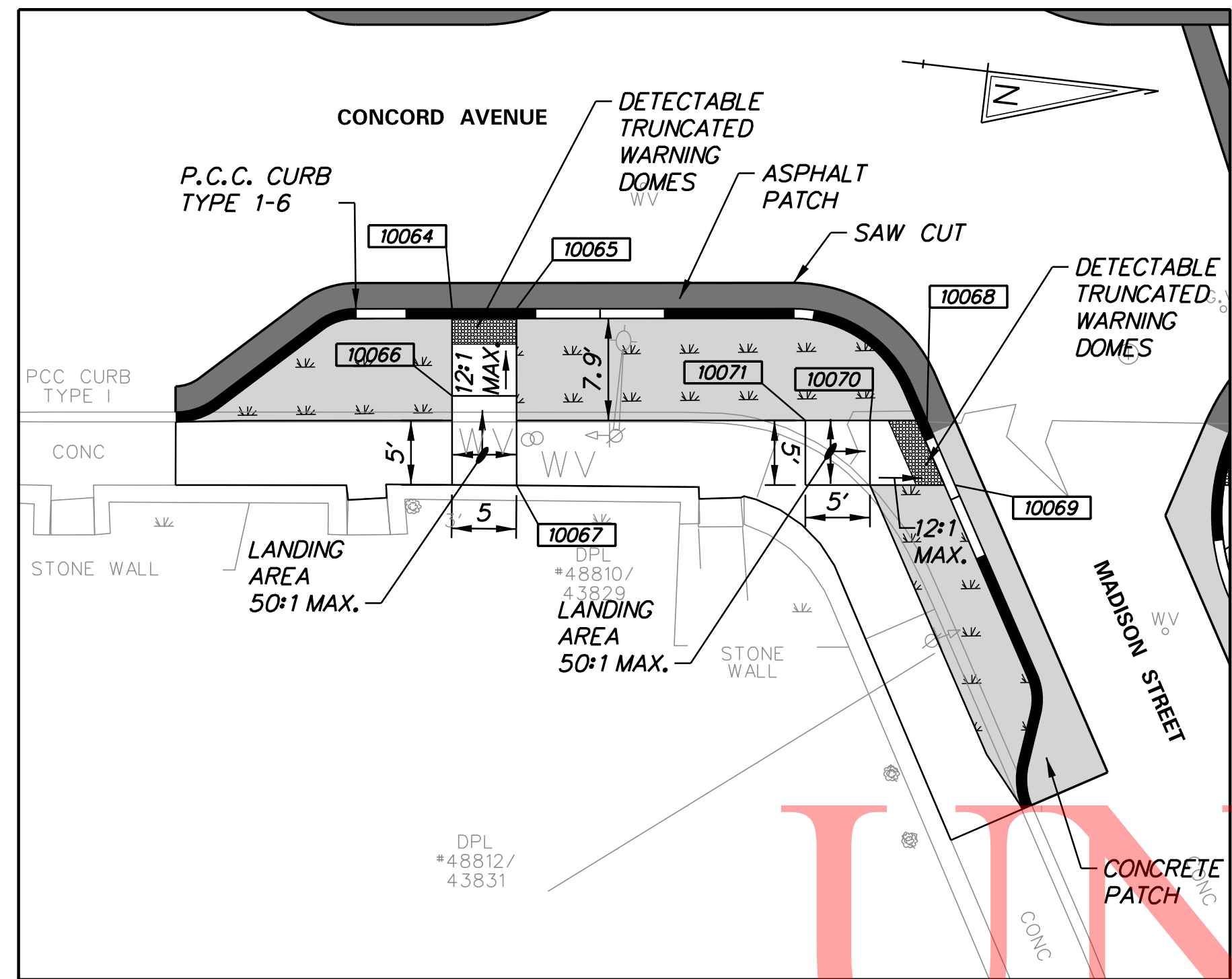


DETAIL 3
CONCORD AVE. AND MADISON ST.
NE CORNER

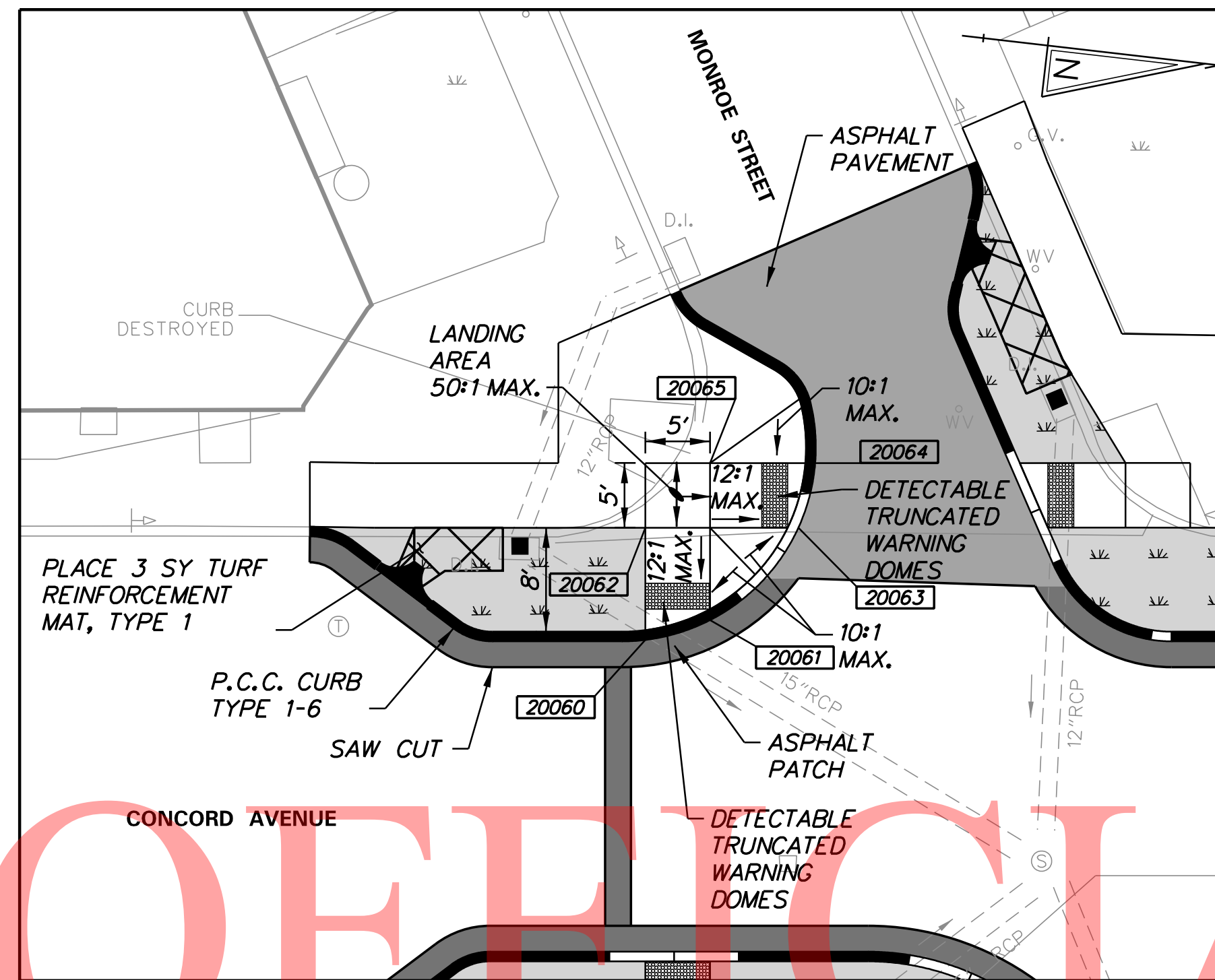
COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
10058	51+01.20	12.01'	640302.5142	621013.8024
10059	50+96.20	13.04'	640297.6641	621015.3903
10060	51+01.20	20.65'	640303.5041	621022.3853
10061	50+87.65	20.65'	640290.0418	621023.9381
10062	50+86.03	25.65'	640289.0120	621029.0900
10063	51+01.20	25.65'	640304.0769	621027.3524

NOTES:
1. SEE DELDOT STANDARD CONSTRUCTION DETAIL C-2, CURB RAMPS (TYPE AS INDICATED ON CONSTRUCTION PLANS) FOR ADDITIONAL NOTES AND INFORMATION.

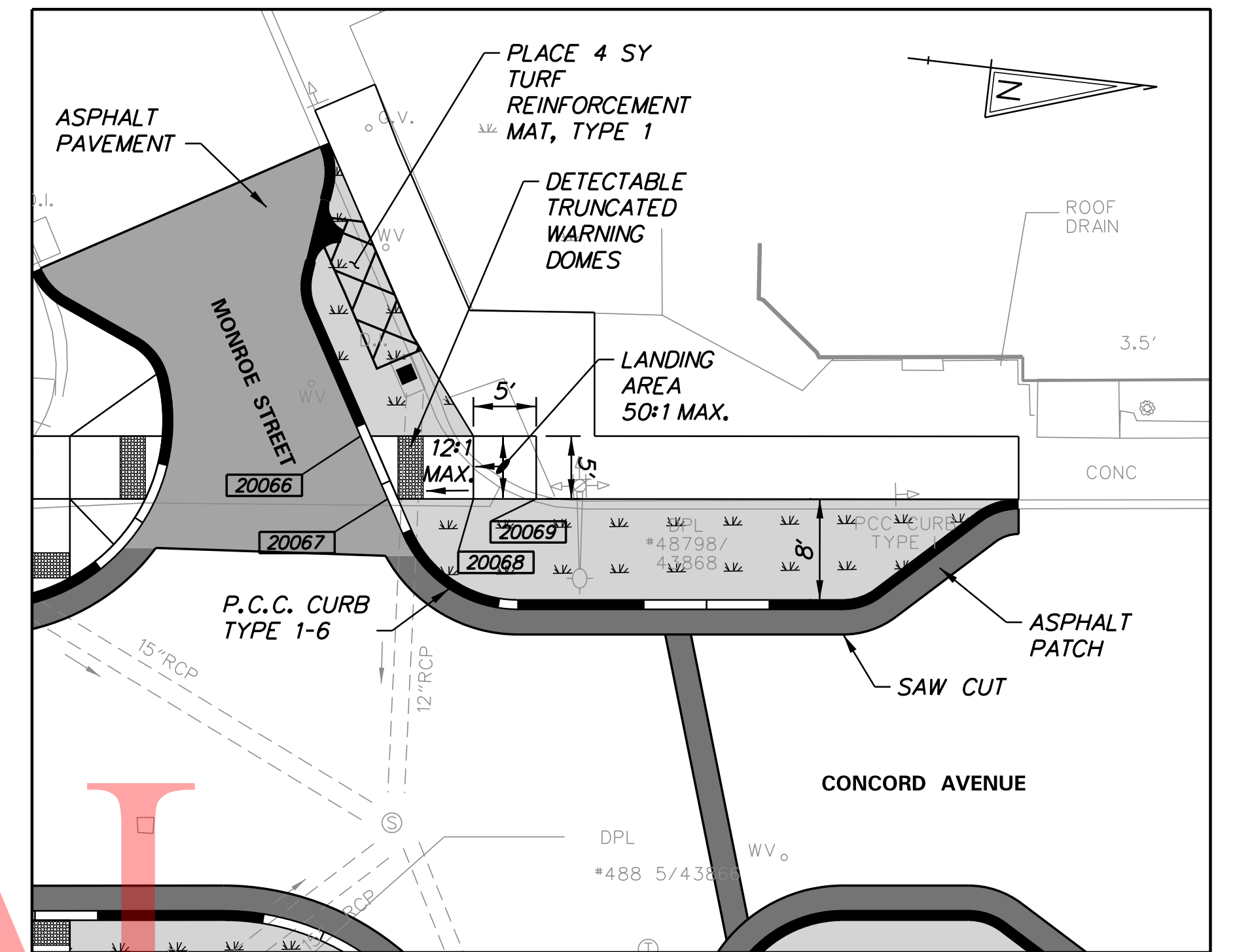
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DETAIL 4
CONCORD AVE. AND MADISON ST.
SE CORNER



DETAIL 5
CONCORD AVE. AND MONROE ST.
SW CORNER



DETAIL 6
CONCORD AVE. AND MONROE ST.
NW CORNER

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
10064	50+27.03	12.00'	640228.8286	621022.2874
10065	50+32.03	12.00'	640233.7957	621021.7145
10066	50+27.03	18.75'	640229.6020	621028.9929
10067	50+32.03	25.68'	640235.3625	621035.2997
10068	50+63.80	20.65'	640266.3546	621026.6703
10069	50+65.97	25.65'	640269.0797	621031.3890
10070	50+59.38	20.65'	640261.9606	621027.1770
10071	50+54.38	20.65'	640256.9935	621027.7499

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
20060	54+06.80	-12.11'	640603.3389	620954.8196
20061	54+11.80	-13.64'	640608.1305	620952.7252
20062	54+06.80	-20.79'	640602.3445	620946.1976
20063	54+18.63	-20.79'	640614.0950	620944.8423
20064	54+19.93	-25.79'	640614.8103	620939.7267
20065	54+11.80	-25.79'	640606.7387	620940.6576

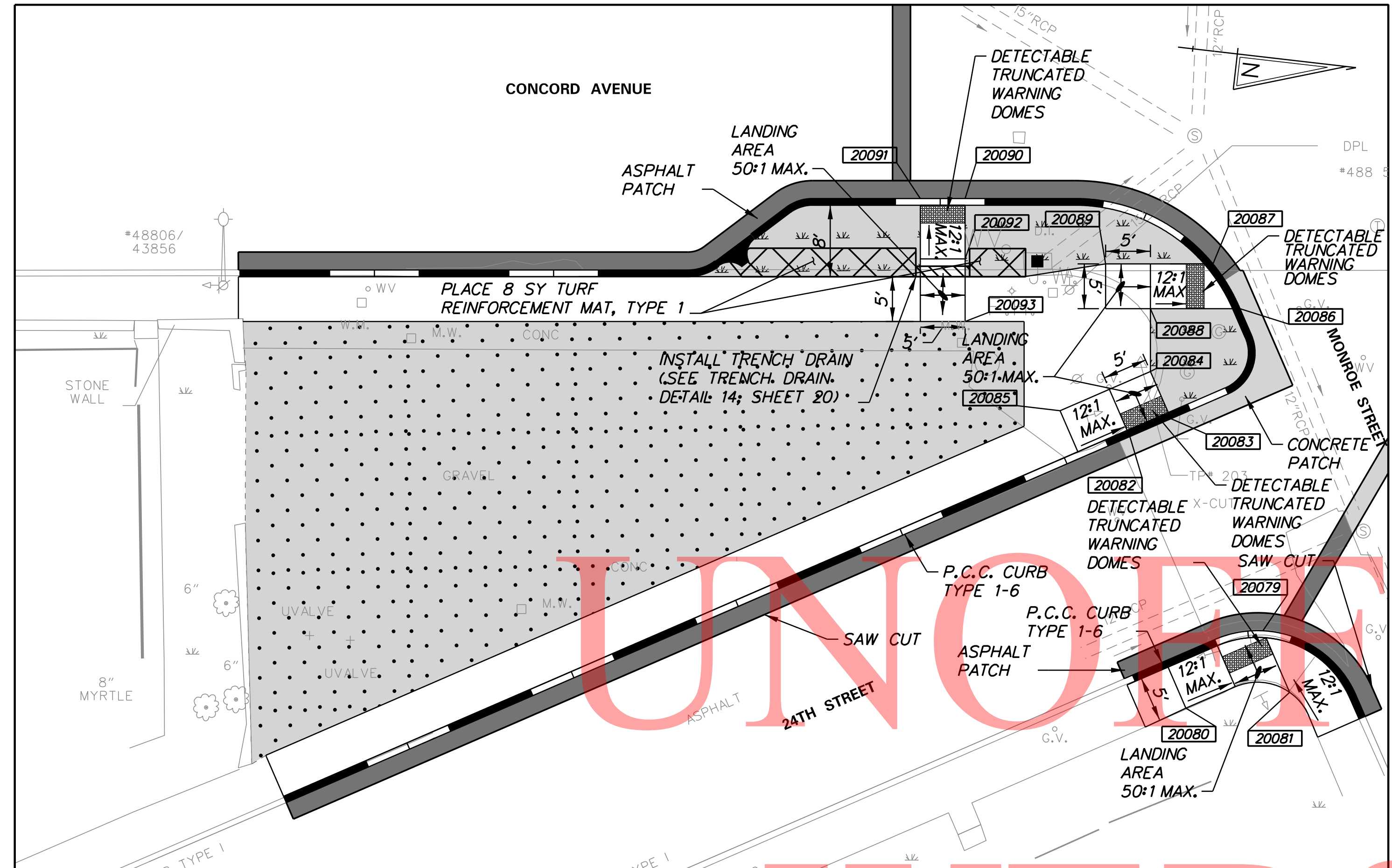
COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
20066	54+34.93	-25.79'	640629.7142	620938.0077
20067	54+37.10	-20.79'	640632.4410	620942.7264
20068	54+43.91	-20.79'	640639.2136	620941.9452
20069	54+48.91	-20.79'	640644.1807	620941.3723

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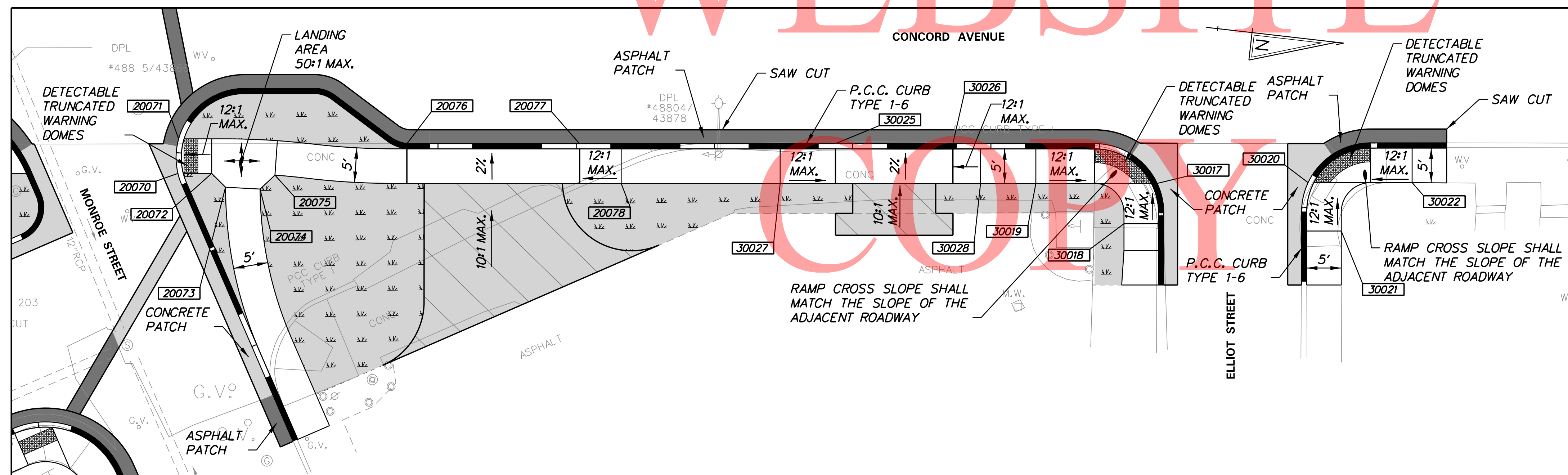
NOTES:
1. SEE DELDOT STANDARD CONSTRUCTION DETAIL C-2, CURB RAMPS (TYPE AS INDICATED ON CONSTRUCTION PLANS) FOR ADDITIONAL NOTES AND INFORMATION.

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COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
20079	54+45.04	60.26'	640649.6196	621022.3305
20080	54+36.44	68.89'	640642.0646	621031.8941
20081	54+48.02	67.13'	640653.3667	621028.8127
20082	54+30.19	38.58'	640632.3768	621002.4930
20083	54+34.77	36.59'	640636.7056	620999.9907
20084	54+32.48	31.31'	640633.8279	620995.0126
20085	54+22.39	35.69'	640624.3046	621000.5178
20086	54+42.48	24.30'	640642.9541	620986.9001
20087	54+39.47	19.30'	640639.3896	620982.2781
20088	54+32.48	24.30'	640633.0243	620988.0454
20089	54+27.48	19.30'	640627.4843	620983.6512
20090	54+11.80	12.00'	640611.0686	620978.1994
20091	54+06.80	12.00'	640606.1015	620978.7723
20092	54+11.80	18.75'	640611.8420	620984.9050
20093	54+11.80	25.73'	640612.6411	620991.8342



DETAIL 7
CONCORD AVE. AND MADISON ST./24TH ST
SE CORNER

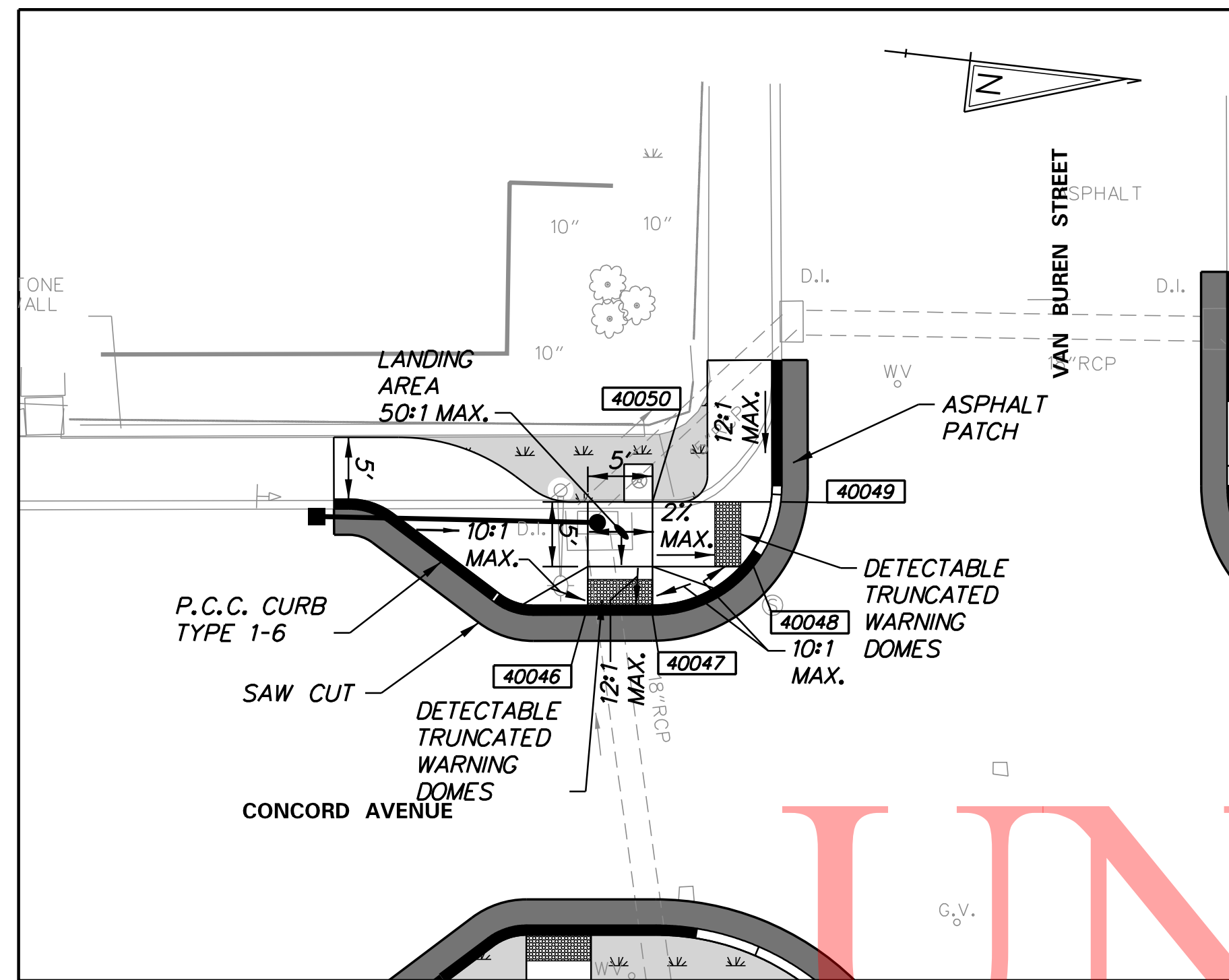


DETAIL 8
CONCORD AVE. AND MONROE ST./ELLIOT ST.
NE CORNER

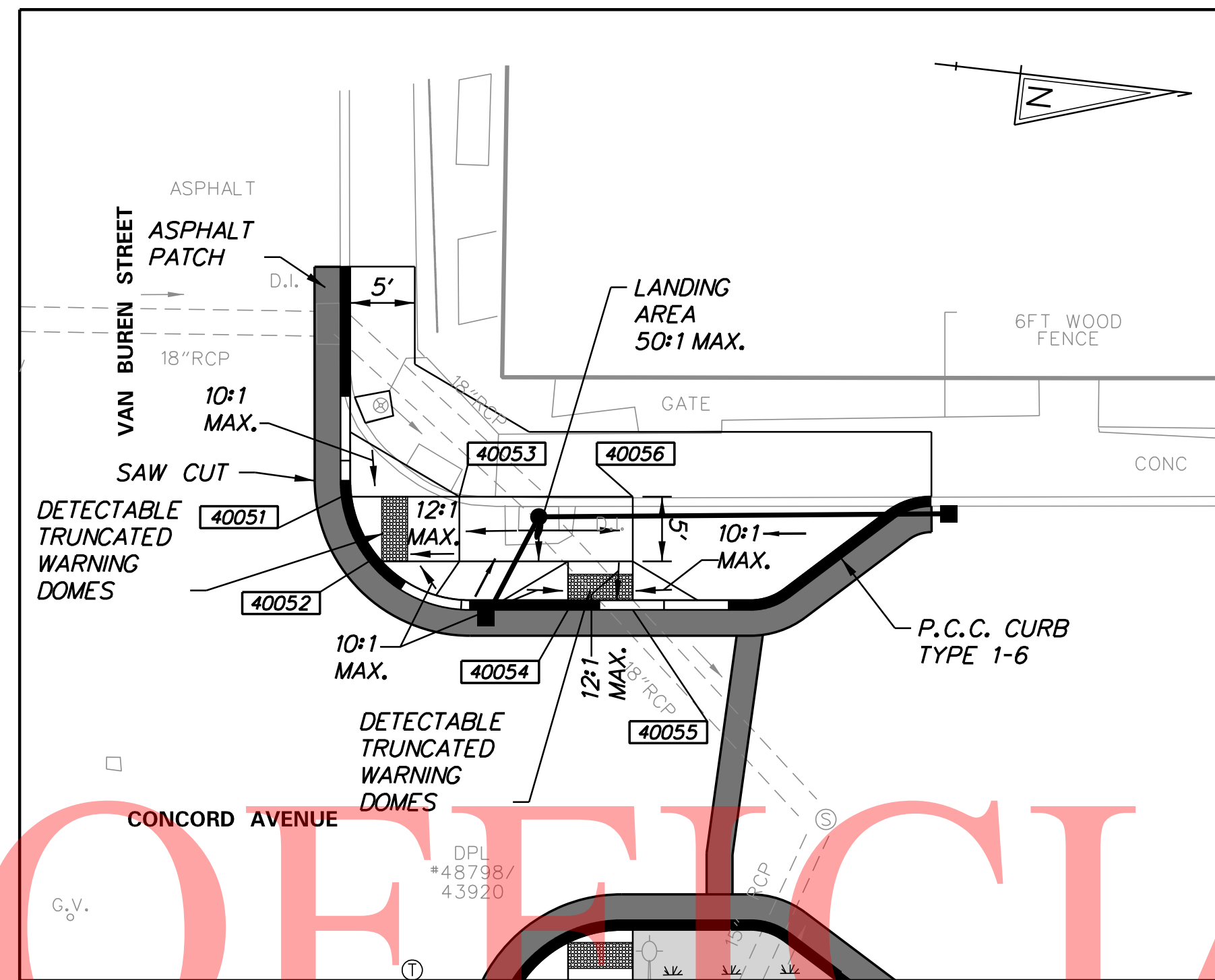
COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
20070	54+63.58	24.30'	640663.9207	620984.4817
20071	54+63.69	19.30'	640663.4521	620979.5026
20072	54+68.47	24.30'	640668.7750	620983.9218
20073	54+70.47	26.30'	640670.9908	620985.6776
20074	54+75.47	26.56'	640675.9890	620985.3668
20075	54+77.62	24.55'	640677.8878	620983.1279
20076	54+96.71	20.01'	640696.3380	620976.4234
20077	55+21.71	20.03'	640721.1757	620973.5795
20078	55+27.71	25.75'	640727.7874	620978.5781
30017	56+05.26	25.75'	640804.8303	620969.6918
30018	56+00.46	31.58'	640800.7280	620976.0336
30019	55+87.71	25.75'	640787.3958	620971.7027
30020	56+27.09	25.64'	640826.5073	620967.0829
30021	56+31.90	32.64'	640832.0797	620973.4865
30025	55+58.71	20.00'	640757.9280	620969.3134
30026	55+75.71	20.00'	640774.8160	620967.3655
30027	55+50.71	25.75'	640750.6395	620975.9455
30028	55+79.71	57.75'	640779.4485	620972.6193

NOTES:
1. SEE DELDOT STANDARD CONSTRUCTION DETAIL C-2, CURB RAMPS (TYPE AS INDICATED ON CONSTRUCTION PLANS) FOR ADDITIONAL NOTES AND INFORMATION.

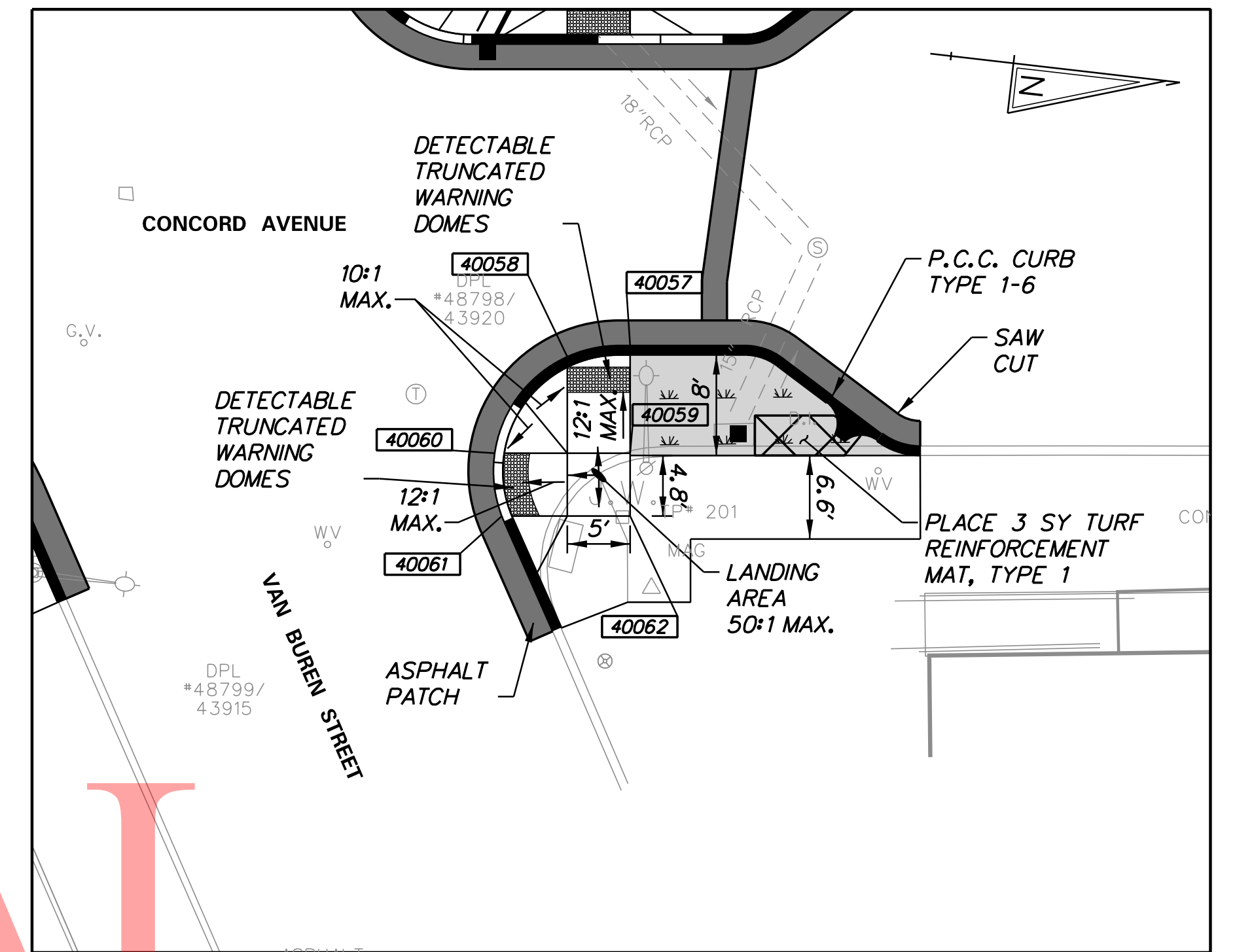
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DETAIL 9
CONCORD AVE. AND VAN BUREN ST.
SW CORNER



DETAIL 10
CONCORD AVE. AND VAN BUREN ST.
NW CORNER



DETAIL 11
CONCORD AVE. AND VAN BUREN ST.
NE CORNER

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
40046	58+98.31	-12.75'	641091.5334	620897.8677
40047	59+03.31	-12.00'	641096.5864	620898.0398
40048	59+11.11	-15.75'	641103.9115	620893.4201
40049	59+13.23	-20.75'	641105.4400	620888.2106
40050	59+03.31	-20.75'	641095.5838	620889.3475

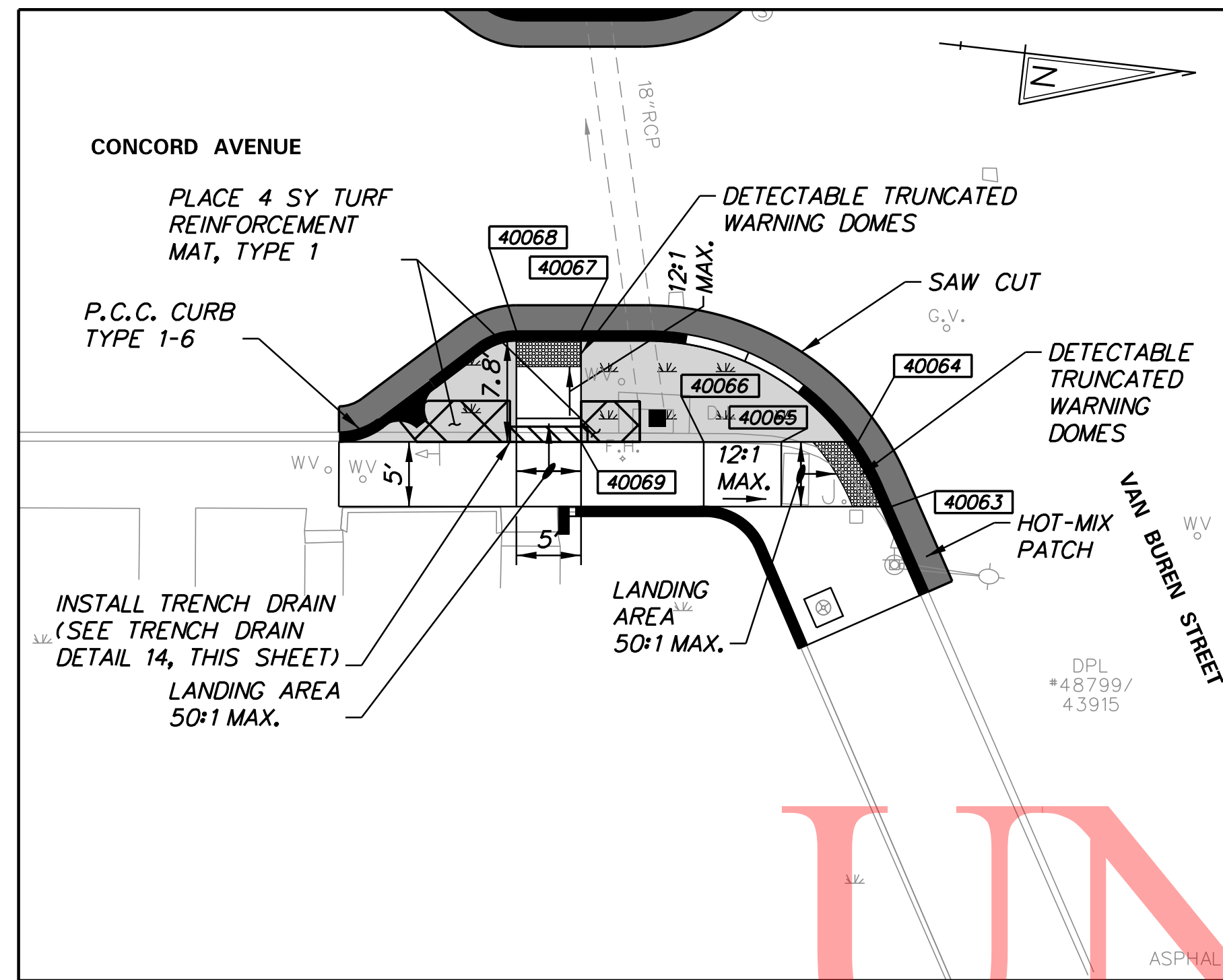
COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
40051	59+47.81	-20.75'	641139.7993	620884.2480
40052	59+49.93	-15.75'	641142.4735	620888.9727
40053	59+56.92	-20.75'	641148.8419	620883.2052
40054	59+65.32	-12.00'	641158.1973	620890.9343
40055	59+70.32	-12.00'	641163.1644	620890.3615
40056	59+70.32	-20.75'	641162.1620	620881.6691

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
40057	59+70.32	12.00'	641165.9138	620914.2035
40058	59+65.32	12.89'	641161.0485	620915.6588
40059	59+70.32	20.57'	641166.8958	620922.7190
40060	59+59.55	20.57'	641156.1897	620923.9537
40061	59+60.10	25.57'	641157.3161	620928.8570
40062	59+70.32	25.57'	641167.4686	620927.6862

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NOTES:
1. SEE DELDOT STANDARD CONSTRUCTION DETAIL C-2, CURB RAMPS (TYPE AS INDICATED ON CONSTRUCTION PLANS) FOR ADDITIONAL NOTES AND INFORMATION.

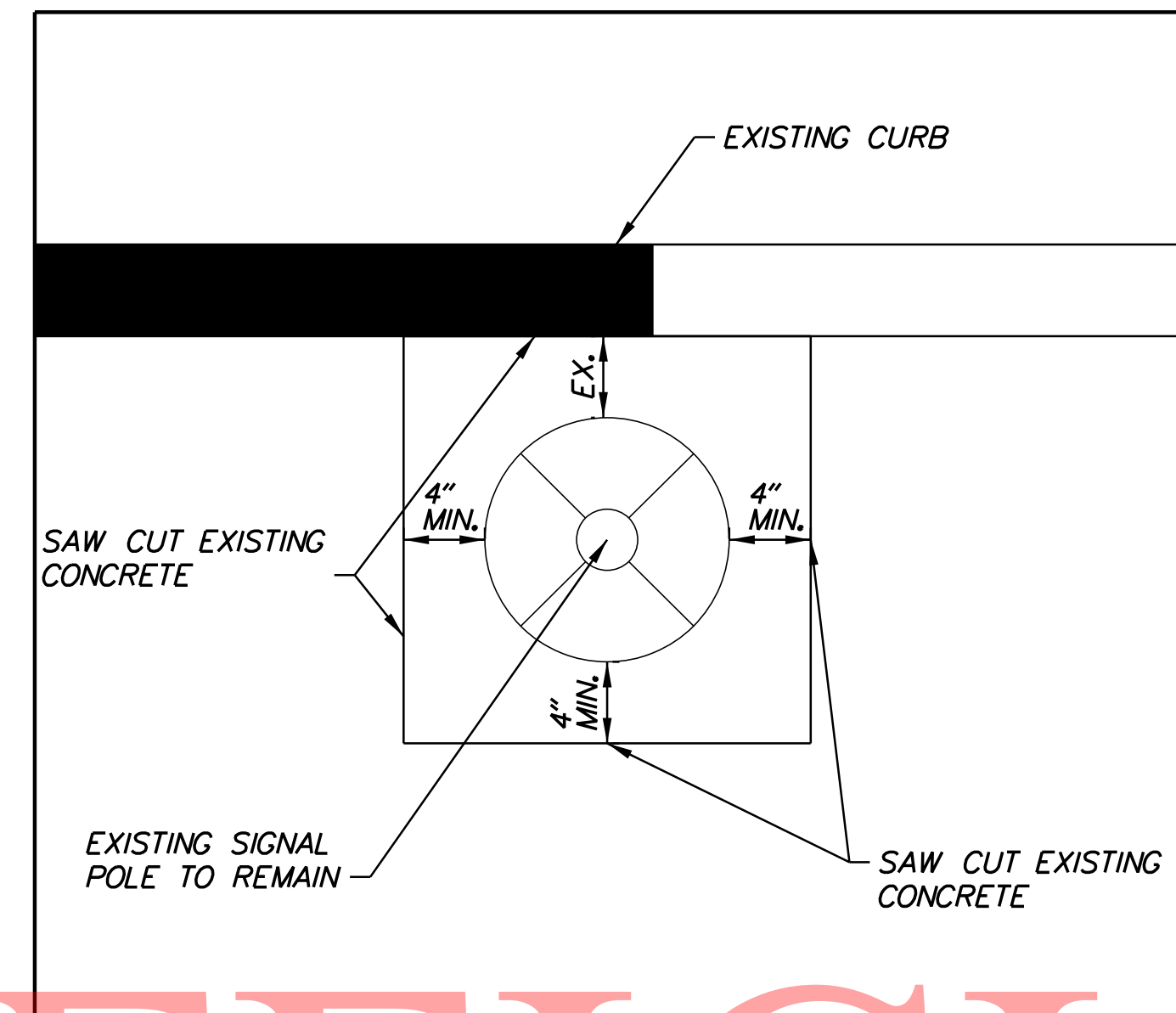
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DETAIL 12
CONCORD AVE. AND VAN BUREN ST.
SE CORNER

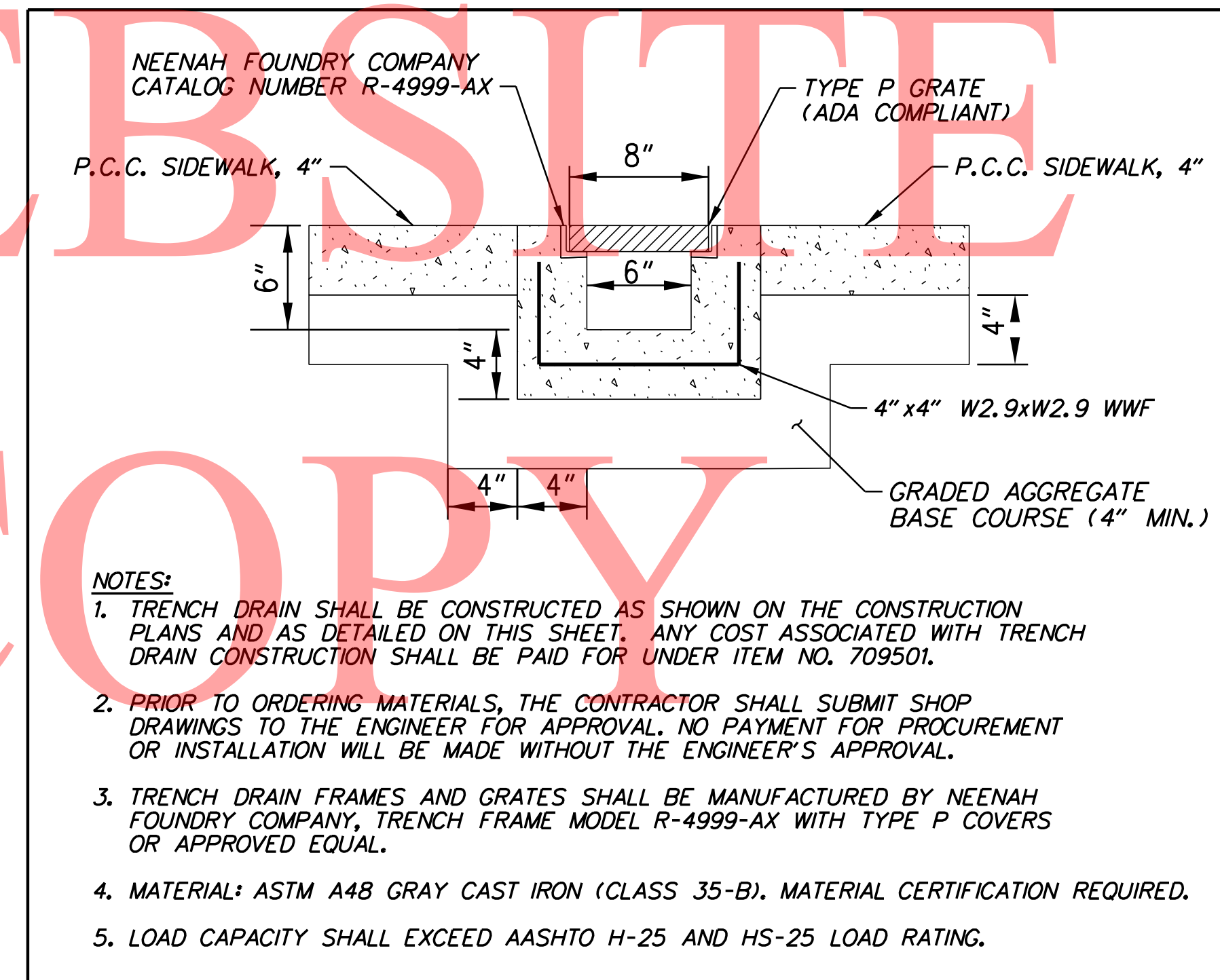
COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
40063	59+22.58	25.57'	641120.0374	620933.1559
40064	59+19.98	20.57'	641116.8798	620928.4869
40065	59+14.05	20.57'	641110.9961	620929.1655
40066	59+08.05	20.57'	641105.0356	620929.8530
40067	58+98.56	12.00'	641094.6254	620922.4251
40068	58+93.56	12.00'	641089.6583	620922.9980
40069	58+98.56	20.57'	641095.6075	620930.9405

NOTES:
1. SEE DELDOT STANDARD CONSTRUCTION DETAIL C-2, CURB RAMPS (TYPE AS INDICATED ON CONSTRUCTION PLANS) FOR ADDITIONAL NOTES AND INFORMATION.



DETAIL 13
CONSTRUCTION AROUND EXISTING SIGNAL POLE
(NOT TO SCALE)

- NOTES:
1. SAW CUT EXISTING SIDEWALK AND CURB AROUND SIGNAL POLE BASE. SAW CUT LINES SHALL BE ALONG EXISTING SIDEWALK JOINTS OR A MINIMUM OF 4" FROM THE BOTTOM OF THE POLE BASE.
 2. PROTECT EXISTING SIGNAL POLE AND EXISTING SIDEWALK SLAB DURING REMOVAL OF CONCRETE OUTSIDE OF SLAB AND CONSTRUCTION OF PROPOSED CURB AND SIDEWALK.
 3. CONSTRUCT PROPOSED SIDEWALK AS SHOWN ON PLANS. PLACE A 1/2" POLYURETHANE-BONDED RECYCLED RUBBER (TYPE IV) EXPANSION JOINT FULL DEPTH OF SIDEWALK WHERE PROPOSED SIDEWALK BORDERS EXISTING SIDEWALK SLAB AND SIGNAL POLE.
 4. IF EXISTING SIDEWALK SLAB AND SIGNAL POLE IS NOT ADJACENT TO PROPOSED SIDEWALK, BACKFILL AROUND EXISTING SIDEWALK WITH TYPE F BORROW AND TOPSOIL, GRADED TOWARD THE STREET AND PLACE PERMANENT GRASS SEEDING.



- NOTES:
1. TRENCH DRAIN SHALL BE CONSTRUCTED AS SHOWN ON THE CONSTRUCTION PLANS AND AS DETAILED ON THIS SHEET. ANY COST ASSOCIATED WITH TRENCH DRAIN CONSTRUCTION SHALL BE PAID FOR UNDER ITEM NO. 709501.
 2. PRIOR TO ORDERING MATERIALS, THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL. NO PAYMENT FOR PROCUREMENT OR INSTALLATION WILL BE MADE WITHOUT THE ENGINEER'S APPROVAL.
 3. TRENCH DRAIN FRAMES AND GRATES SHALL BE MANUFACTURED BY NEENAH FOUNDRY COMPANY, TRENCH FRAME MODEL R-4999-AX WITH TYPE P COVERS OR APPROVED EQUAL.
 4. MATERIAL: ASTM A48 GRAY CAST IRON (CLASS 35-B). MATERIAL CERTIFICATION REQUIRED.
 5. LOAD CAPACITY SHALL EXCEED AASHTO H-25 AND HS-25 LOAD RATING.

DETAIL 14
TRENCH DRAIN DETAIL
(NOT TO SCALE)

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GENERAL TRAFFIC CONTROL NOTES

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

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

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

3. THE DISTURBED AREA FOR THIS PROJECT IS 0.43 ACRES.

4. THERE IS NO ADDITIONAL IMPERVIOUS AREA AS A RESULT OF THIS PROJECT.

5. THE SEDIMENT AND STORMWATER MANAGEMENT PLANS HAVE BEEN APPROVED BY DELDOT'S STORMWATER ENGINEER UNDER DELDOT'S DELEGATED AUTHORITY. THE SEDIMENT AND STORMWATER MANAGEMENT PLANS ARE VALID FOR A FIVE YEAR PERIOD, BEGINNING ON THE DATE THE STORMWATER ENGINEER SIGNED THE CONSTRUCTION TITLE SHEET. IF THE FINAL ACCEPTANCE OF THE PROJECT IS ANTICIPATED TO EXTEND BEYOND THE FIVE YEARS, THE CONTRACTOR WILL INFORM THE ENGINEER THREE MONTHS PRIOR TO THE EXPIRATION OF THE APPROVED SEDIMENT AND STORMWATER MANAGEMENT PLANS. THE STORMWATER ENGINEER WILL REVIEW THE CURRENT SEDIMENT AND STORMWATER MANAGEMENT PLAN AND ISSUE AN EXTENSION WITH ANY APPROPRIATE MODIFICATIONS.

6. MAINTENANCE OF TRAFFIC DURING LANE CLOSURES AND LANE SHIFTS SHALL CONFORM TO THE FOLLOWING TYPICAL APPLICATIONS OF THE DELAWARE MUTCD:

- TYPICAL APPLICATION 3 - WORK ON THE SHOULDER OF A TWO-LANE ROAD
- TYPICAL APPLICATION 10 - LANE CLOSURE ON A TWO-LANE ROAD USING FLAGGERS
- TYPICAL APPLICATION 11B - LANE DIVERSION ON A TWO-LANE ROAD WITH LOW TRAFFIC VOLUMES
- TYPICAL APPLICATION 20 - DETOUR FOR A CLOSED STREET
- TYPICAL APPLICATION 21 - LANE CLOSURE ON THE NEAR SIDE OF AN INTERSECTION ON AN UNDIVIDED, LOW-SPEED ROAD (40 MPH OR LESS)
- TYPICAL APPLICATION 23 - LANE CLOSURE ON THE FAR SIDE OF AN INTERSECTION ON AN UNDIVIDED, LOW-SPEED ROAD (40 MPH OR LESS)
- TYPICAL APPLICATION 27 - CLOSURE AT THE SIDE OR CENTER OF AN INTERSECTION
- TYPICAL APPLICATION 28 - SIDEWALK DETOUR OR DIVERSION
- TYPICAL APPLICATION 29 - CROSSWALK CLOSURES AND PEDESTRIAN DETOURS

7. ALL FIRE HYDRANTS SHALL BE CLEAR OF EQUIPMENT AT ALL TIMES.

8. ALL WORK SHALL BE PERFORMED BETWEEN THE HOURS OF 9:00 A.M. AND 5:00 P.M., MONDAY THROUGH FRIDAY. WORK SHALL NOT BE PERFORMED AT NIGHT OR WEEKENDS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

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

ONE THROUGH LANE AND/OR TURN LANE PERMITTED TO BE CLOSED
 NO TRAVEL OR TURN LANE CLOSURES PERMITTED

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

10. THE USE OF MILLINGS AND GRADED AGGREGATE BASE COURSE (GABC) IN THE TRAVEL WAY, TEMPORARY TRAVEL WAY, HIGH VOLUME ENTRANCES AND ACCESS RAMP FOR THE PURPOSE OF PROVIDING A TEMPORARY ROADWAY SURFACE, POT HOLE REPAIR, TAPERED EDGE FOR UTILITIES, BUTT JOINTS, AND LONGITUDINAL DROP-OFFS (MILLING AND PAVING OPERATIONS) IS PROHIBITED UNLESS IT IS OTHERWISE DESIGNATED TO BE USED IN THE CONTRACT PLANS. USE COLD PATCH, BITUMINOUS CONCRETE, BITUMINOUS CONCRETE WEDGE, OR TAPER MILL, AS NOTED IN THE CONTRACT DOCUMENTS OR APPROVED BY THE ENGINEER. PAYMENT FOR COLD PATCH, BITUMINOUS CONCRETE OR BITUMINOUS CONCRETE WEDGE SHALL BE PAID AS NOTED IN THE CONTRACT DOCUMENTS. TAPER MILL BITUMINOUS CONCRETE SHALL BE PAID UNDER THE BITUMINOUS CONCRETE MILLING ITEM.

MILLINGS OR GABC SHALL BE USED AT THE FOLLOWING LOCATIONS WHERE ACCESS TO A BUSINESS, RESIDENCE, OR EDGE DROP OFF NEEDS TO BE MAINTAINED UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE ENGINEER TO USE BITUMINOUS CONCRETE OR COLD PATCH. ALL MILLINGS AND GABC WILL BE ROLLED AND COMPACTED TO HELP PREVENT THE MATERIAL FROM UNRAVELLING:

- a. DRIVEWAYS
- b. ENTRANCES
- c. LOW VOLUME ACCESS RAMPS (IDENTIFIED IN THE CONTRACT DOCUMENTS)
- d. EDGE DROP-OFFS ADJACENT TO LIVE ROADWAY (LANES AND SHOULDER) AND THE PROPOSED ROAD CONSTRUCTION
- e. EDGE OF ROADWAY DROP-OFF

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

VERTICAL DIFFERENCES SHALL BE CORRECTED IN ACCORDANCE WITH TABLE 6G-1 OF THE DELAWARE MUTCD.

11. DURING ONE-LANE FLAGGER OPERATION THROUGH ANY SIGNALIZED INTERSECTION, THE TRAFFIC SIGNAL SHOULD BE PUT ON MANUAL CONTROL BY THE CITY OF WILMINGTON POLICE DEPARTMENT. THE CONTRACTOR SHALL PROVIDE ONE TRAFFIC OFFICER TO OPERATE THE SIGNAL DURING WORKING HOURS. THE TRAFFIC OFFICER IS THE ONLY INDIVIDUAL THAT CAN PLACE THE TRAFFIC SIGNAL ON MANUAL CONTROL AND THE TRAFFIC OFFICER MUST STAY ON LOCATION UNTIL THE SIGNAL IS PLACED BACK IN STOP-AND-GO OPERATION IN ACCORDANCE WITH DELDOT'S TEMPORARY TRAFFIC CONTROL WITHIN INTERSECTIONS MEMORANDUM (WWW.MUTCD.DELDOT.GOV)

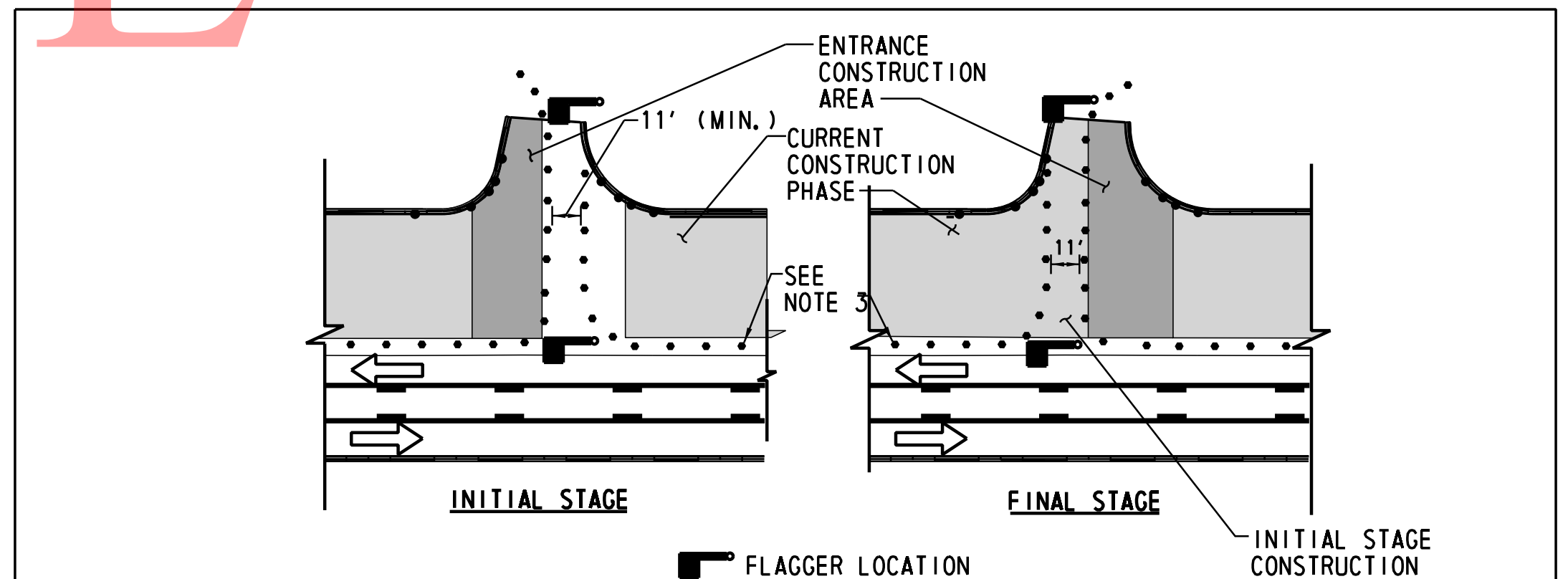
12. THE CONTRACTOR SHALL COORDINATE PLACEMENT OF WARNING SIGNS WITH THE ENGINEER TO ENSURE THAT SIGNS ARE PLACED IN AN APPROPRIATE LOCATION. TEMPORARY TRAFFIC CONTROL DEVICES, INCLUDING SIGNS, SHALL NOT OBSTRUCT THE SIDEWALK, UNLESS SPECIFIED ON THE CONSTRUCTION PHASING OR DETOUR PLANS.

13. THE CONTRACTOR SHALL NOTIFY RESIDENTS AT LEAST TWO DAYS IN ADVANCE WHEN PARKING OR ACCESS WILL BE RESTRICTED IN FRONT OF THEIR PROPERTY. CONTRACTOR SHALL COORDINATE WITH RESIDENTS ON THE BEST MEANS TO MAINTAIN TEMPORARY ACCESS DURING CONSTRUCTION.

14. A MINIMUM TRAVEL LANE WIDTH OF 10 FEET SHOULD BE MAINTAINED THROUGHOUT CONSTRUCTION.

SEQUENCE OF CONSTRUCTION

- THE CONTRACTOR SHALL COMPLETE ALL WORK IN THE SEQUENCE DENOTED ON THE CONSTRUCTION PHASING PLANS UNLESS OTHERWISE APPROVED BY THE ENGINEER. ALL DISTURBED AREAS DURING EACH PHASE SHALL BE STABILIZED AS DIRECTED BY THE ENGINEER BEFORE BEGINNING WORK ON THE NEXT PHASE.
- PLANS PROVIDED ONLY FOR AREAS WHERE WORK IS BEING PERFORMED FOR EACH CONSTRUCTION PHASE. CONTRACTOR SHALL FOLLOW ALL TYPICAL APPLICATIONS AND STANDARD SPECIFICATIONS REFERENCED IN EACH SEQUENCE OF CONSTRUCTION FOR DESCRIPTIONS OF TEMPORARY TRAFFIC CONTROL ACTIVITIES AND DEVICES TO BE USED DURING EACH PHASE. INSTALL ALL TEMPORARY WARNING SIGNS FOR PEDESTRIAN DETOUR AS SHOWN ON THE DETOUR PLANS.



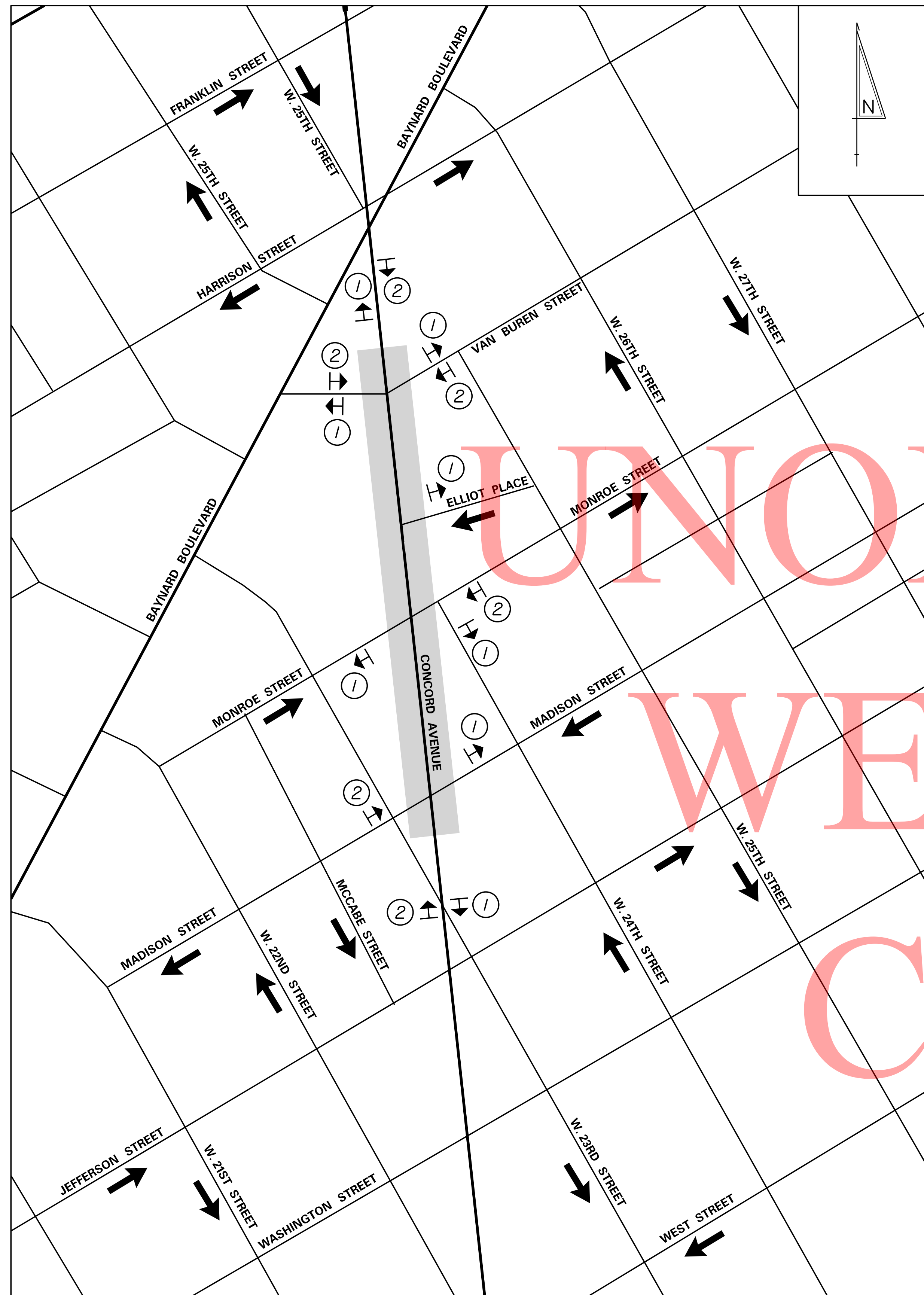
TYPICAL DRIVEWAY/ ENTRANCE RECONSTRUCTION
NOT TO SCALE

NOTES:

- THIS DETAIL PROVIDES THE PROPER TRAFFIC CONTROL DEVICES AT DRIVEWAYS AND ENTRANCES THAT ARE TO BE BUILT IN HALF-SECTION UNDER FLAGGER CONTROL. APPLICATION OF THIS DETAIL SHALL BE AS INDICATED ON THE PLANS, DURING DAYLIGHT HOURS ONLY, OR AS DIRECTED BY THE ENGINEER. TRAFFIC CONTROL DEVICES AT ENTRANCES SHALL BE RESET TO MAIN PHASE AT END OF EACH WORKING DAY.
- CHANNELIZATION THROUGH ENTRANCE AREA SHALL BE ACCOMPLISHED WITH DRUMS PLACED AT 11' ON EDGE, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. DRUM LAYOUT SHALL ACCOMMODATE LARGEST DESIGN VEHICLE EXPECTED TO USE ENTRANCE.
- TRAFFIC CONTROL DEVICES ALONG MAINLINE ROADWAY SHALL BE AS SHOWN ON CONSTRUCTION PHASING PLANS.
- DEPENDING ON TRAFFIC VOLUME UTILIZING ENTRANCE AND OTHER SITE-SPECIFIC CONDITIONS, THE NUMBER OF FLAGGERS USED DURING ENTRANCE CONSTRUCTION MAY BE REDUCED FROM 2 TO 1, SUBJECT TO APPROVAL OF DELDOT TRAFFIC ENGINEER OR DESIGNEE.

CONSTRUCTION PHASING & M.O.T	
	BARRICADE, TYPE 3
	CONCRETE SAFETY BARRIER - PORTABLE
	CONSTRUCTION SAFETY FENCE / LENGTH
	CONSTRUCTION SAFETY FENCE
	CONSTRUCTION WARNING SIGN LOCATION
	CONSTRUCTION WARNING SIGN
	CRASH CUSHION ARRAY
	DRUM - TRAFFIC CONTROL
	FLAGGER LOCATION
	PHASING TRAFFIC FLOW ARROW
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TRUCK WITH MOUNTED ATTENUATOR
	WORK AREA - ACTIVE PHASE

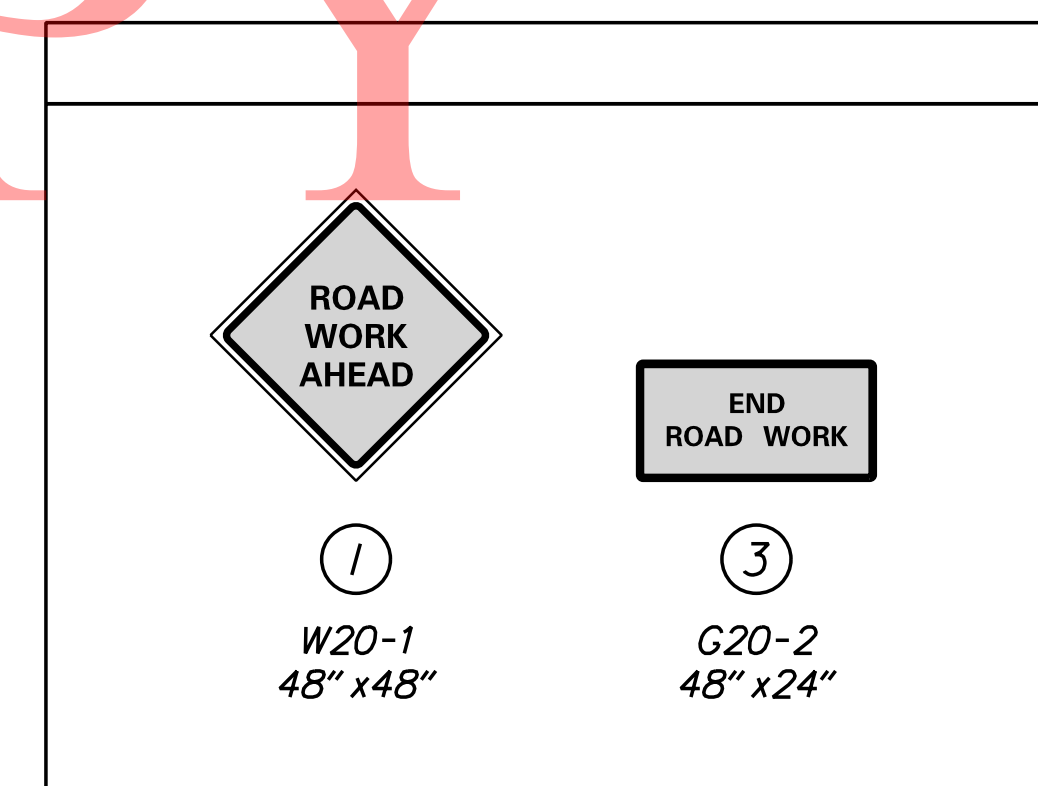
EROSION & SEDIMENT CONTROL	
	COMPOST FILTER LOG
	INLET SEDIMENT CONTROL
	STABILIZED CONSTRUCTION ENTRANCE
	SILT FENCE / LENGTH
	SILT FENCE



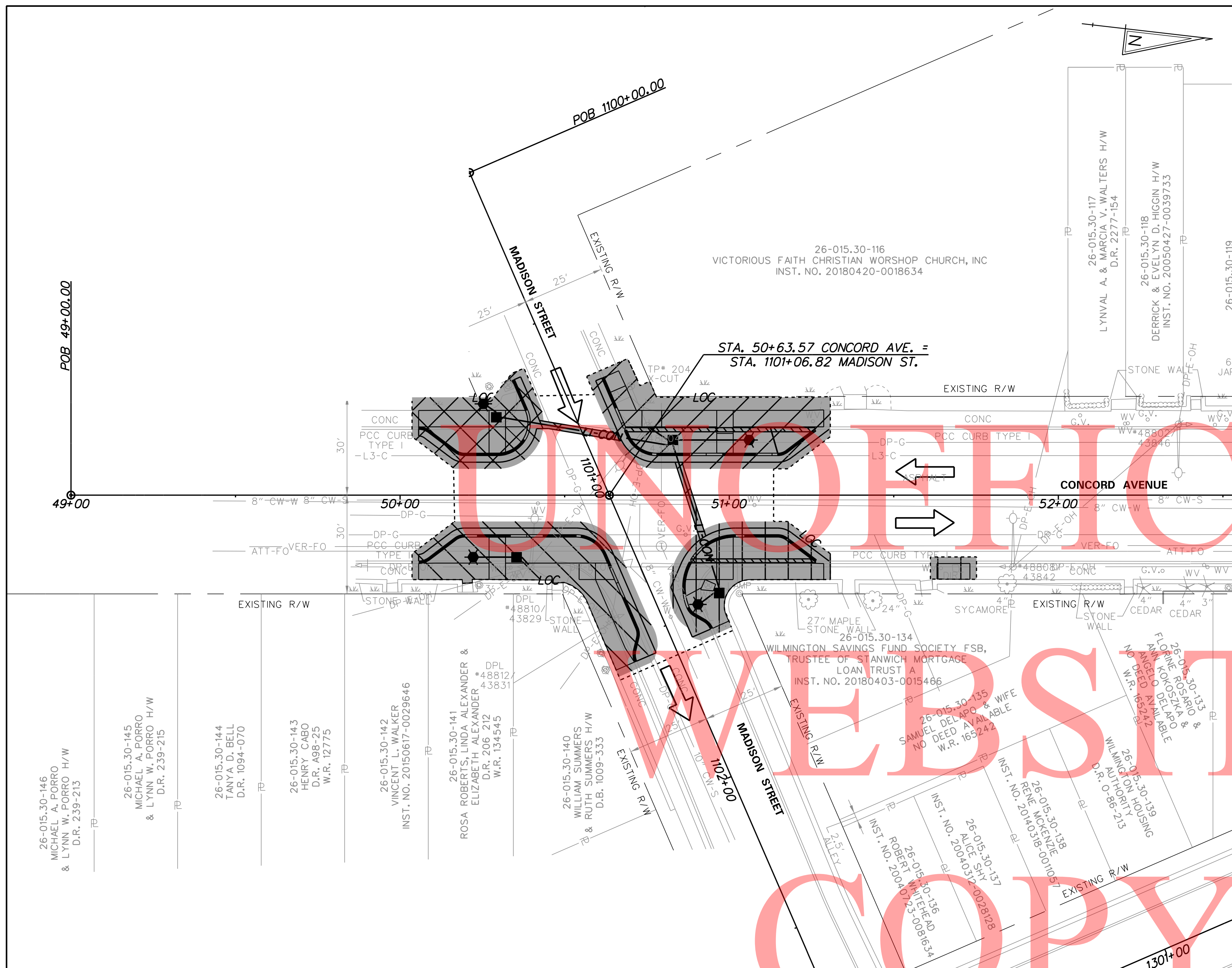
TRAFFIC CONTROL NOTES:

1. ALL WARNING SIGNS SHOWN ON THIS SHEET ARE TO BE DISPLAYED THROUGHOUT THE DURATION OF THE CONTRACT AND ARE TO BE PAID UNDER ITEM 810001 - TEMPORARY WARNING SIGNS AND PLAQUES.
2. SEE INDIVIDUAL PHASING PLANS FOR PLACEMENT OF TEMPORARY WARNING SIGNS. THE CONTRACTOR SHALL LAY OUT SIGN LOCATIONS FOR APPROVAL BY THE ENGINEER PRIOR TO INSTALLATION. THE COVERING OF ANY CONFLICT SIGNS SHALL BE INCIDENTAL TO ITEM 810001 - TEMPORARY WARNING SIGNS AND PLAQUES.
3. DELDOT TRAFFIC RESERVES THE RIGHT TO MODIFY THE TRAFFIC CONTROL AS FIELD CONDITIONS DICTATE.

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- SEQUENCE OF CONSTRUCTION - PHASE 1A**
- ① PHASE 1A CONSTRUCTION WILL BE COMPLETED UNDER TEMPORARY LANE CLOSURE IN ACCORDANCE WITH TYPICAL APPLICATION 27 OF THE DELAWARE MUTCD. PLACE ALL PERTINENT TRAFFIC CONTROL DEVICES AS SHOWN ON TYPICAL APPLICATION 27 AND THE WARNING SIGN LOCATION PLAN (SEE DRAWING CS-02).
 - ② INSTALL ALL TEMPORARY WARNING SIGNS FOR PEDESTRIAN DETOUR AS SHOWN ON PLANS.
 - ③ INSTALL ALL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON THIS PLAN AND AS SPECIFIED BY THE ENGINEER.
 - ④ PLACE TEMPORARY PARKING RESTRICTIONS ALONG BOTH SIDES OF CONCORD AVENUE FROM STA. 49+28 TO STA. 50+03 AND ALONG BOTH SIDES OF MADISON STREET FROM STA. 1100+00 TO STA. 1100+61.
 - ⑤ EXCAVATE AND CONSTRUCT PROPOSED SIDEWALK, CURB, CURB RAMPS, AND LIGHTING IMPROVEMENTS BETWEEN STA. 50+06 AND STA. 50+41 LT.
 - ⑥ STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH.

- SEQUENCE OF CONSTRUCTION - PHASE 1B**
- ① PHASE 1B CONSTRUCTION WILL BE COMPLETED UNDER TEMPORARY LANE CLOSURE IN ACCORDANCE WITH TYPICAL APPLICATION 27 OF THE DELAWARE MUTCD. PLACE ALL PERTINENT TRAFFIC CONTROL DEVICES AS SHOWN ON TYPICAL APPLICATION 27 AND THE WARNING SIGN LOCATION PLAN (SEE DRAWING CS-02).
 - ② INSTALL ALL TEMPORARY WARNING SIGNS FOR PEDESTRIAN DETOUR AS SHOWN ON PLANS.
 - ③ MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON THIS PLAN AND AS SPECIFIED BY THE ENGINEER.
 - ④ MAINTAIN TEMPORARY PARKING RESTRICTIONS ALONG BOTH SIDES OF MADISON STREET FROM STA. 1100+00 TO STA. 1100+71. PLACE TEMPORARY PARKING RESTRICTIONS ALONG BOTH SIDES OF CONCORD AVENUE FROM STA. 51+30 TO STA. 52+05.
 - ⑤ EXCAVATE AND CONSTRUCT PROPOSED SIDEWALK, CURB, CURB RAMPS, TRENCH DRAIN, AND LIGHTING IMPROVEMENTS BETWEEN STA. 50+66 AND STA. 51+29 LT.
 - ⑥ STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH.

- SEQUENCE OF CONSTRUCTION - PHASE 2A**
- ① PHASE 2A CONSTRUCTION WILL BE COMPLETED UNDER TEMPORARY LANE CLOSURE IN ACCORDANCE WITH TYPICAL APPLICATION 27 OF THE DELAWARE MUTCD. PLACE ALL PERTINENT TRAFFIC CONTROL DEVICES AS SHOWN ON TYPICAL APPLICATION 27 AND THE WARNING SIGN LOCATION PLAN (SEE DRAWING CS-02).
 - ② INSTALL ALL TEMPORARY WARNING SIGNS FOR PEDESTRIAN DETOUR AS SHOWN ON PLANS.
 - ③ MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON THIS PLAN AND AS SPECIFIED BY THE ENGINEER.
 - ④ PLACE TEMPORARY PARKING RESTRICTIONS ALONG BOTH SIDES OF CONCORD AVENUE FROM STA. 49+28 TO STA. 50+03 AND ALONG BOTH SIDES OF MADISON STREET FROM STA. 1101+60 TO STA. 1102+35.
 - ⑤ EXCAVATE AND CONSTRUCT PROPOSED SIDEWALK, CURB, CURB RAMPS, AND LIGHTING IMPROVEMENTS BETWEEN STA. 50+06 AND STA. 50+66 RT.
 - ⑥ STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH.

- SEQUENCE OF CONSTRUCTION - PHASE 2B**
- ① PHASE 2B CONSTRUCTION WILL BE COMPLETED UNDER TEMPORARY LANE CLOSURE IN ACCORDANCE WITH TYPICAL APPLICATION 27 OF THE DELAWARE MUTCD. PLACE ALL PERTINENT TRAFFIC CONTROL DEVICES AS SHOWN ON TYPICAL APPLICATION 27 AND THE WARNING SIGN LOCATION PLAN (SEE DRAWING CS-02).
 - ② INSTALL ALL TEMPORARY WARNING SIGNS FOR PEDESTRIAN DETOUR AS SHOWN ON PLANS.
 - ③ MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON THIS PLAN AND AS SPECIFIED BY THE ENGINEER.
 - ④ MAINTAIN TEMPORARY PARKING RESTRICTIONS ALONG BOTH SIDES OF MADISON STREET FROM STA. 1101+60 TO STA. 1102+35. PLACE TEMPORARY PARKING RESTRICTIONS ALONG BOTH SIDES OF CONCORD AVENUE FROM STA. 51+30 TO STA. 52+05.
 - ⑤ EXCAVATE AND CONSTRUCT PROPOSED SIDEWALK, CURB, CURB RAMPS, TRENCH DRAIN, AND LIGHTING IMPROVEMENTS BETWEEN STA. 50+85 AND STA. 51+29 RT.
 - ⑥ EXCAVATE AND CONSTRUCT PROPOSED SIDEWALK AROUND STA. 51+68 RT.
 - ⑦ STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH.
 - ⑧ INSTALL TEMPORARY AND PERMANENT STRIPING AS SHOWN ON SIGNING AND STRIPING PLANS. REMOVE ANY EXISTING STRIPING IN CONFLICT WITH PROPOSED STRIPING.

CONSTRUCTION SEQUENCE LEGEND

	PHASE 1A
	PHASE 1B
	PHASE 2A
	PHASE 2B

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ADDENDUMS / REVISIONS	

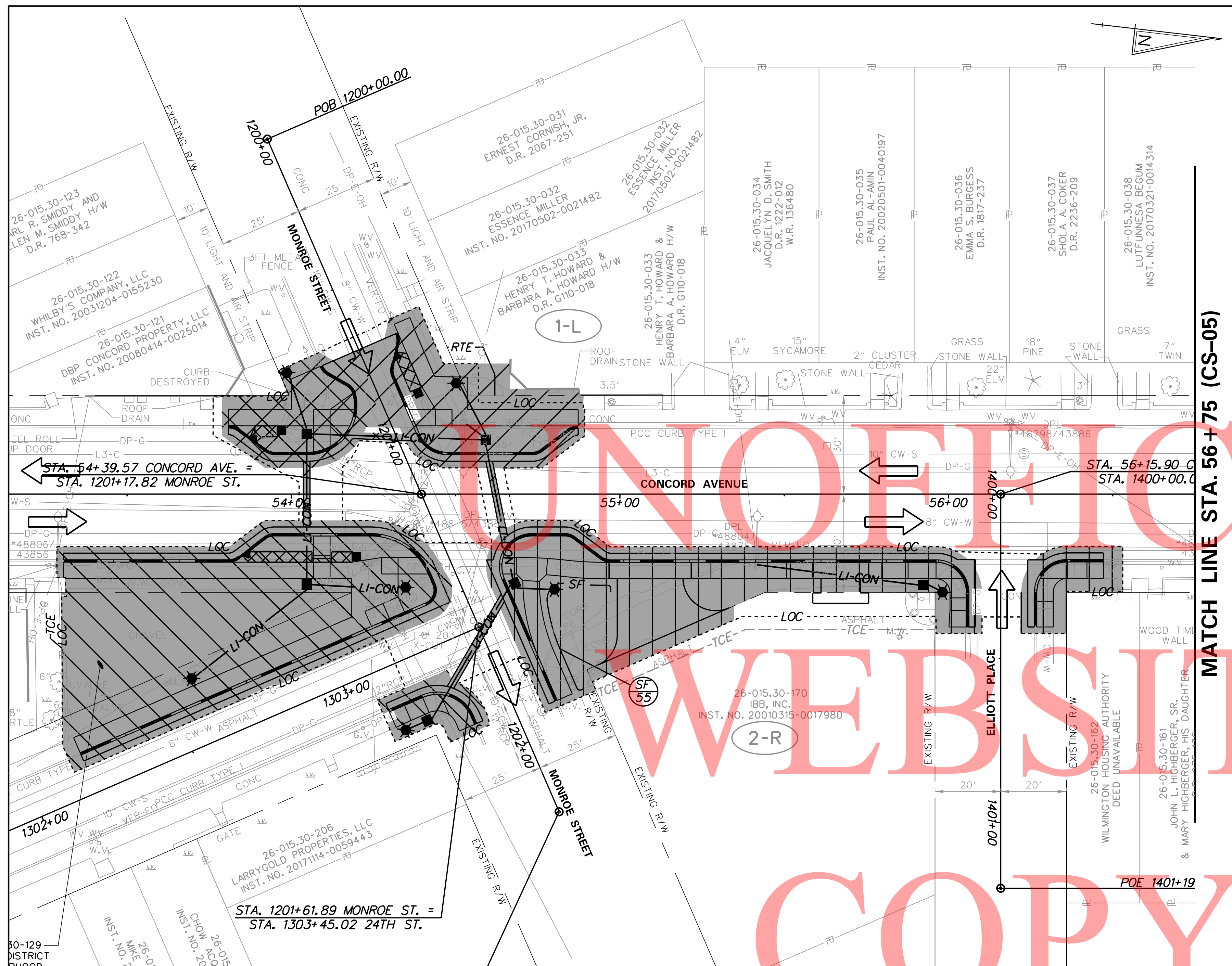


CONCORD AVENUE STREETScape IMPROVEMENTS, PHASE 2

CONTRACT	BRIDGE NO.	N/A
T201620002	DESIGNED BY:	V.A.K.
COUNTY	CHECKED BY:	T.A.O.
NEW CASTLE		

CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASES 1 AND 2

CS-03
SHEET NO.
23
TOTAL SHTS.
47



MATCH LINE STA. 56+75 (CS-05)

- SEQUENCE OF CONSTRUCTION - PHASE 3A**
- ① PHASE 3A CONSTRUCTION WILL BE COMPLETED UNDER TEMPORARY LANE CLOSURE IN ACCORDANCE WITH TYPICAL APPLICATION 27 OF THE DELAWARE MUTCD AND UNDER FULL DETOUR FOR MONROE STREET. IMPLEMENT THE CLOSURE OF MONROE STREET AS SHOWN ON THE VEHICULAR DETOUR PLAN MONROE STREET @ CONCORD AVENUE. PLACE ALL PERTINENT TRAFFIC CONTROL DEVICES AS SHOWN ON TYPICAL APPLICATION 27 AND THE WARNING SIGN LOCATION PLAN (SEE DRAWING CS-02).
 - ② INSTALL ALL TEMPORARY WARNING SIGNS FOR PEDESTRIAN DETOUR AS SHOWN ON PLANS.
 - ③ INSTALL ALL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON THIS PLAN AND AS SPECIFIED BY THE ENGINEER.
 - ④ PLACE TEMPORARY PARKING RESTRICTIONS ALONG BOTH SIDES OF CONCORD AVENUE FROM STA. 53+03 TO STA. 53+75 AND ALONG BOTH SIDES OF MONROE STREET FROM STA. 1200+00 TO STA. 1200+65.
 - ⑤ EXCAVATE AND CONSTRUCT PROPOSED SIDEWALK, CURB, CURB RAMPS, AND LIGHTING IMPROVEMENTS BETWEEN STA. 53+81 AND STA. 54+21 LT. INSTALL PROPOSED CURB OPENING AND TURF REINFORCEMENT MAT ON THE SOUTHWEST CORNER OF THE INTERSECTION.
 - ⑥ STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH.

- SEQUENCE OF CONSTRUCTION - PHASE 3B**
- ① PHASE 3B CONSTRUCTION WILL BE COMPLETED UNDER TEMPORARY LANE CLOSURE IN ACCORDANCE WITH TYPICAL APPLICATION 27 OF THE DELAWARE MUTCD AND UNDER FULL DETOUR FOR MONROE STREET. MAINTAIN THE CLOSURE OF MONROE STREET AS SHOWN ON THE VEHICULAR DETOUR PLAN MONROE STREET @ CONCORD AVENUE. PLACE ALL PERTINENT TRAFFIC CONTROL DEVICES AS SHOWN ON TYPICAL APPLICATION 27 AND THE WARNING SIGN LOCATION PLAN (SEE DRAWING CS-02).
 - ② INSTALL ALL TEMPORARY WARNING SIGNS FOR PEDESTRIAN DETOUR AS SHOWN ON PLANS.
 - ③ MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON THIS PLAN AND AS SPECIFIED BY THE ENGINEER.
 - ④ MAINTAIN TEMPORARY PARKING RESTRICTIONS ALONG BOTH SIDES OF MONROE STREET FROM STA. 1200+00 TO STA. 1200+65. PLACE TEMPORARY PARKING RESTRICTIONS ALONG BOTH SIDES OF CONCORD AVENUE FROM STA. 54+90 TO STA. 55+65.
 - ⑤ EXCAVATE AND CONSTRUCT PROPOSED SIDEWALK, CURB, CURB RAMPS, AND LIGHTING IMPROVEMENTS BETWEEN STA. 54+35 AND STA. 54+87 LT. INSTALL PROPOSED CURB OPENING AND TURF REINFORCEMENT MAT ON THE NORTHWEST CORNER OF THE INTERSECTION.
 - ⑥ STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH.

- SEQUENCE OF CONSTRUCTION - PHASE 4A**
- ① PHASE 4A CONSTRUCTION WILL BE COMPLETED UNDER TEMPORARY LANE CLOSURE IN ACCORDANCE WITH TYPICAL APPLICATION 27 OF THE DELAWARE MUTCD. PLACE ALL PERTINENT TRAFFIC CONTROL DEVICES AS SHOWN ON TYPICAL APPLICATION 27 AND THE WARNING SIGN LOCATION PLAN (SEE DRAWING CS-02).
 - ② INSTALL ALL TEMPORARY WARNING SIGNS FOR PEDESTRIAN DETOUR AS SHOWN ON PLANS.
 - ③ MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON THIS PLAN AND AS SPECIFIED BY THE ENGINEER.
 - ④ PLACE TEMPORARY PARKING RESTRICTIONS ALONG BOTH SIDES OF CONCORD AVENUE FROM STA. 52+54 TO STA. 53+29, ALONG BOTH SIDES OF MONROE STREET FROM STA. 1201+92 TO STA. 1202+23, AND ALONG BOTH SIDES OF 24TH STREET FROM STA. 1301+90 TO STA. 1303+45.
 - ⑤ EXCAVATE AND CONSTRUCT PROPOSED SIDEWALK, CURB, CURB RAMPS, AND LIGHTING IMPROVEMENTS BETWEEN STA. 53+31 AND STA. 54+46 RT ALONG CONCORD AVENUE AND BETWEEN STA. 1302+18 TO STA. 1303+45 LT ALONG 24TH STREET. INSTALL PROPOSED CURB OPENING, TRENCH DRAIN AND TURF REINFORCEMENT MAT ON THE SOUTHEAST CORNER OF THE INTERSECTION.
 - ⑥ COMPLETE ALL EXCAVATION AND SITE GRADING WITHIN THE SECOND DISTRICT NEIGHBORHOOD PLANNING COUNCIL PROPERTY.
 - ⑦ EXCAVATE AND CONSTRUCT PROPOSED SIDEWALK, CURB AND CURB RAMP BETWEEN STA. 1303+10 AND STA. 1303+34 RT.
 - ⑧ STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH BEFORE REMOVAL OF INLET SEDIMENT CONTROL.

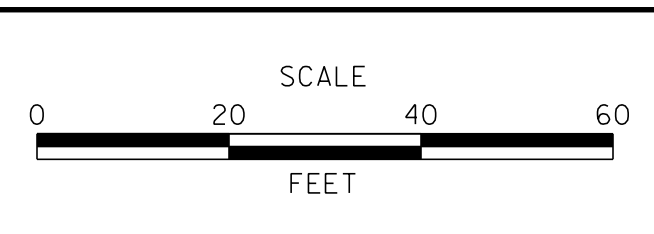
- SEQUENCE OF CONSTRUCTION - PHASE 4B**
- ① PHASE 4B CONSTRUCTION WILL BE COMPLETED UNDER TEMPORARY LANE CLOSURE IN ACCORDANCE WITH TYPICAL APPLICATION 27 OF THE DELAWARE MUTCD. PLACE ALL PERTINENT TRAFFIC CONTROL DEVICES AS SHOWN ON TYPICAL APPLICATION 27 AND THE WARNING SIGN LOCATION PLAN (SEE DRAWING CS-02).
 - ② INSTALL ALL TEMPORARY WARNING SIGNS FOR PEDESTRIAN DETOUR AS SHOWN ON PLANS.
 - ③ MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON THIS PLAN AND AS SPECIFIED BY THE ENGINEER.
 - ④ MAINTAIN TEMPORARY PARKING RESTRICTIONS ALONG BOTH SIDES OF MONROE STREET FROM STA. 1201+92 TO STA. 1202+23. PLACE TEMPORARY PARKING RESTRICTIONS ALONG BOTH SIDES OF CONCORD AVENUE FROM STA. 56+53 TO STA. 57+28, AND ALONG ELLIOTT PLACE FROM STA. 1400+42 TO STA. 1401+19.
 - ⑤ EXCAVATE AND CONSTRUCT PROPOSED SIDEWALK, CURB, CURB RAMPS, AND LIGHTING IMPROVEMENTS BETWEEN STA. 54+61 AND STA. 56+47 RT.
 - ⑥ COMPLETE ALL EXCAVATION AND GRADING ALONG THE IBB, INC PROPERTY AND CONSTRUCT DRIVEWAY ENTRANCE.
 - ⑦ STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH.
 - ⑧ INSTALL TEMPORARY AND PERMANENT STRIPING AS SHOWN ON SIGNING AND STRIPING PLANS. REMOVE ANY EXISTING STRIPING IN CONFLICT WITH PROPOSED STRIPING.

CONSTRUCTION SEQUENCE LEGEND	
	PHASE 3A
	PHASE 3B
	PHASE 4A
	PHASE 4B

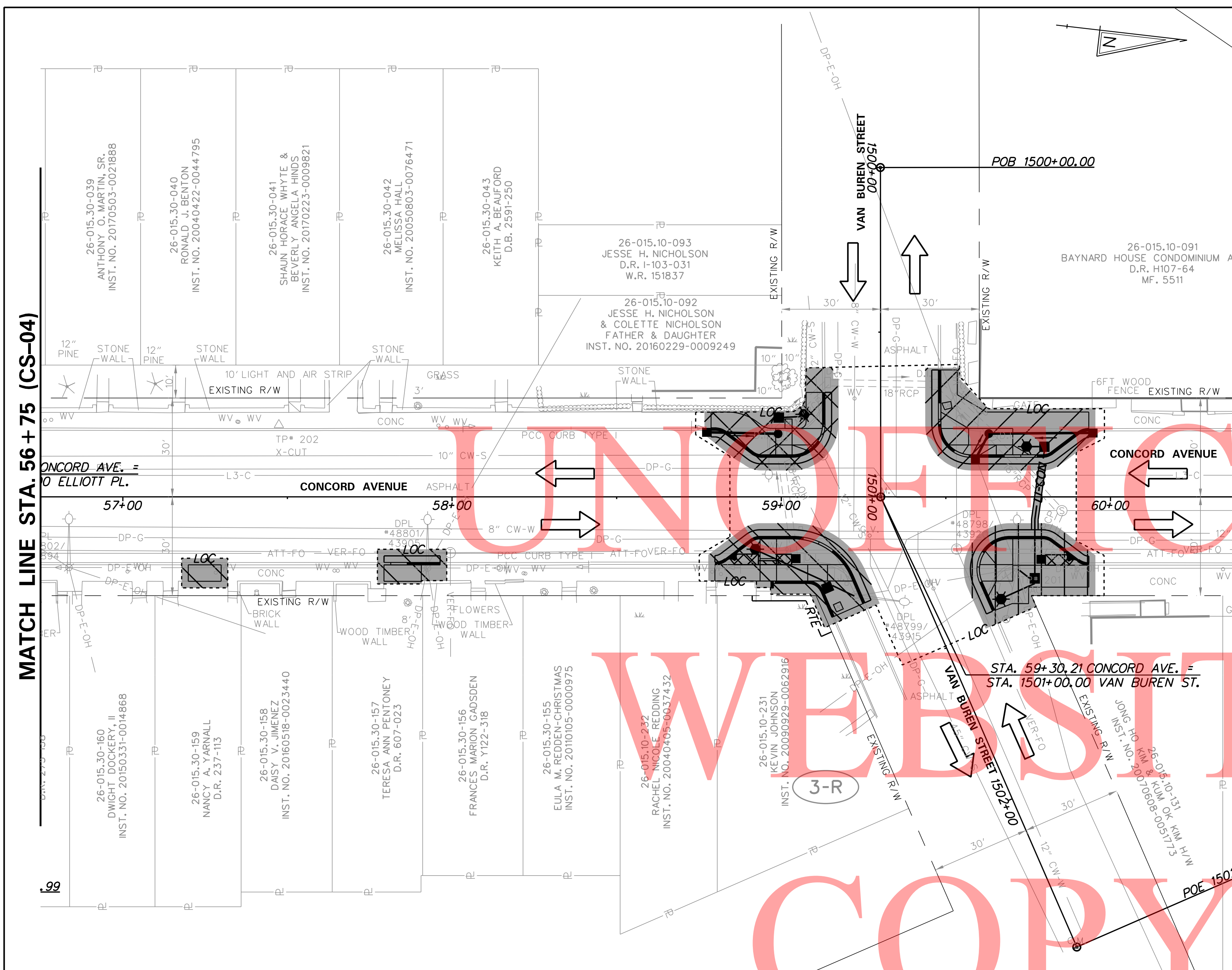
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ADDENDUMS / REVISIONS	



CONTRACT T201620002	BRIDGE NO. N/A
COUNTY NEW CASTLE	DESIGNED BY: V.A.K. CHECKED BY: T.A.O.



- SEQUENCE OF CONSTRUCTION - PHASE 5A**
- PHASE 5A CONSTRUCTION WILL BE COMPLETED UNDER TEMPORARY LANE CLOSURE IN ACCORDANCE WITH TYPICAL APPLICATION 27 OF THE DELAWARE MUTCD. PLACE ALL PERTINENT TRAFFIC CONTROL DEVICES AS SHOWN ON TYPICAL APPLICATION 27 AND THE WARNING SIGN LOCATION PLAN (SEE DRAWING CS-02).
 - INSTALL ALL TEMPORARY WARNING SIGNS FOR PEDESTRIAN DETOUR AS SHOWN ON PLANS.
 - INSTALL ALL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON THIS PLAN AND AS SPECIFIED BY THE ENGINEER.
 - PLACE TEMPORARY PARKING RESTRICTIONS ALONG BOTH SIDES OF CONCORD AVENUE FROM STA. 58+05 TO STA. 58+77 AND ALONG BOTH SIDES OF VAN BUREN STREET FROM STA. 1500+00 TO STA. 1500+60.
 - INSTALL PROPOSED INLET AND PIPE CONNECTION AT STA. 58+77 LT.
 - EXCAVATE AND CONSTRUCT PROPOSED SIDEWALK, CURB, CURB RAMPS, AND LIGHTING IMPROVEMENTS BETWEEN STA. 58+79 AND STA. 59+16 LT.
 - STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH.

- SEQUENCE OF CONSTRUCTION - PHASE 5B**
- PHASE 5B CONSTRUCTION WILL BE COMPLETED UNDER TEMPORARY LANE CLOSURE IN ACCORDANCE WITH TYPICAL APPLICATION 27 OF THE DELAWARE MUTCD. PLACE ALL PERTINENT TRAFFIC CONTROL DEVICES AS SHOWN ON TYPICAL APPLICATION 27 AND THE WARNING SIGN LOCATION PLAN (SEE DRAWING CS-02).
 - INSTALL ALL TEMPORARY WARNING SIGNS FOR PEDESTRIAN DETOUR AS SHOWN ON PLANS.
 - MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON THIS PLAN AND AS SPECIFIED BY THE ENGINEER.
 - MAINTAIN TEMPORARY PARKING RESTRICTIONS ALONG BOTH SIDES OF VAN BUREN FROM STA. 1500+00 TO STA. 1500+60. PLACE TEMPORARY PARKING RESTRICTIONS ALONG BOTH SIDES OF CONCORD AVENUE FROM STA. 59+95 TO STA. 60+70.
 - INSTALL PROPOSED INLETS AND PIPE CONNECTIONS AT STA. 59+94 AND STA. 59+59. APPLY INLET SEDIMENT CONTROL AS SHOWN.
 - EXCAVATE AND CONSTRUCT PROPOSED SIDEWALK, CURB, CURB RAMPS, AND LIGHTING IMPROVEMENTS BETWEEN STA. 59+46 AND STA. 59+93 LT.
 - STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH BEFORE REMOVAL OF INLET SEDIMENT CONTROL.

- SEQUENCE OF CONSTRUCTION - PHASE 6A**
- PHASE 6A CONSTRUCTION WILL BE COMPLETED UNDER TEMPORARY LANE CLOSURE IN ACCORDANCE WITH TYPICAL APPLICATION 27 OF THE DELAWARE MUTCD. PLACE ALL PERTINENT TRAFFIC CONTROL DEVICES AS SHOWN ON TYPICAL APPLICATION 27 AND THE WARNING SIGN LOCATION PLAN (SEE DRAWING CS-02).
 - INSTALL ALL TEMPORARY WARNING SIGNS FOR PEDESTRIAN DETOUR AS SHOWN ON PLANS.
 - MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON THIS PLAN AND AS SPECIFIED BY THE ENGINEER.
 - PLACE TEMPORARY PARKING RESTRICTIONS ALONG BOTH SIDES OF CONCORD AVENUE FROM STA. 58+02 TO STA. 58+77 AND ALONG BOTH SIDES OF VAN BUREN STREET FROM STA. 1501+50 TO STA. 1502+25.
 - EXCAVATE AND CONSTRUCT PROPOSED SIDEWALK, CURB, CURB RAMPS, AND LIGHTING IMPROVEMENTS BETWEEN STA. 58+50 AND STA. 59+28 RT. INSTALL PROPOSED CURB OPENING, TRENCH DRAIN AND TURF REINFORCEMENT MAT ON THE SOUTHEAST CORNER OF THE INTERSECTION.
 - EXCAVATE AND CONSTRUCT PROPOSED SIDEWALK AND CURB AROUND STA. 57+25 RT AND STA. 57+88 RT.
 - STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH.

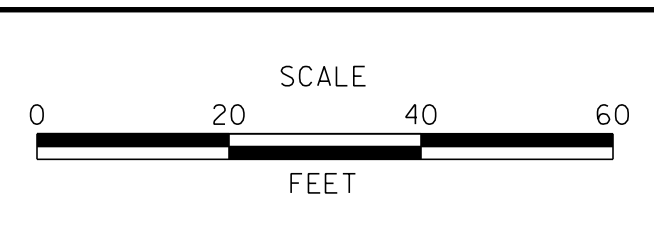
- SEQUENCE OF CONSTRUCTION - PHASE 6B**
- PHASE 6B CONSTRUCTION WILL BE COMPLETED UNDER TEMPORARY LANE CLOSURE IN ACCORDANCE WITH TYPICAL APPLICATION 27 OF THE DELAWARE MUTCD. PLACE ALL PERTINENT TRAFFIC CONTROL DEVICES AS SHOWN ON TYPICAL APPLICATION 27 AND THE WARNING SIGN LOCATION PLAN (SEE DRAWING CS-02).
 - INSTALL ALL TEMPORARY WARNING SIGNS FOR PEDESTRIAN DETOUR AS SHOWN ON PLANS.
 - MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON THIS PLAN AND AS SPECIFIED BY THE ENGINEER.
 - MAINTAIN TEMPORARY PARKING RESTRICTIONS ALONG BOTH SIDES OF VAN BUREN STREET FROM STA. 1501+50 TO STA. 1502+25. PLACE TEMPORARY PARKING RESTRICTIONS ALONG BOTH SIDES OF CONCORD AVENUE FROM STA. 59+95 TO STA. 60+70.
 - EXCAVATE AND CONSTRUCT PROPOSED SIDEWALK, CURB, CURB RAMPS AND LIGHTING IMPROVEMENTS BETWEEN STA. 59+58 AND STA. 59+93 RT. INSTALL PROPOSED CURB OPENING AND TURF REINFORCEMENT MAT ON THE NORTHEAST CORNER OF THE INTERSECTION.
 - STABILIZE ALL DISTURBED AREAS WITH TOPSOIL, SEED AND MULCH.
 - INSTALL TEMPORARY STRIPING AS SHOWN ON SIGNING AND STRIPING PLANS. REMOVE ANY EXISTING STRIPING IN CONFLICT WITH PROPOSED STRIPING.

CONSTRUCTION SEQUENCE LEGEND

	PHASE 5A
	PHASE 5B
	PHASE 6A
	PHASE 6B

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ADDENDUMS / REVISIONS



CONCORD AVENUE STREETSCAPE IMPROVEMENTS, PHASE 2

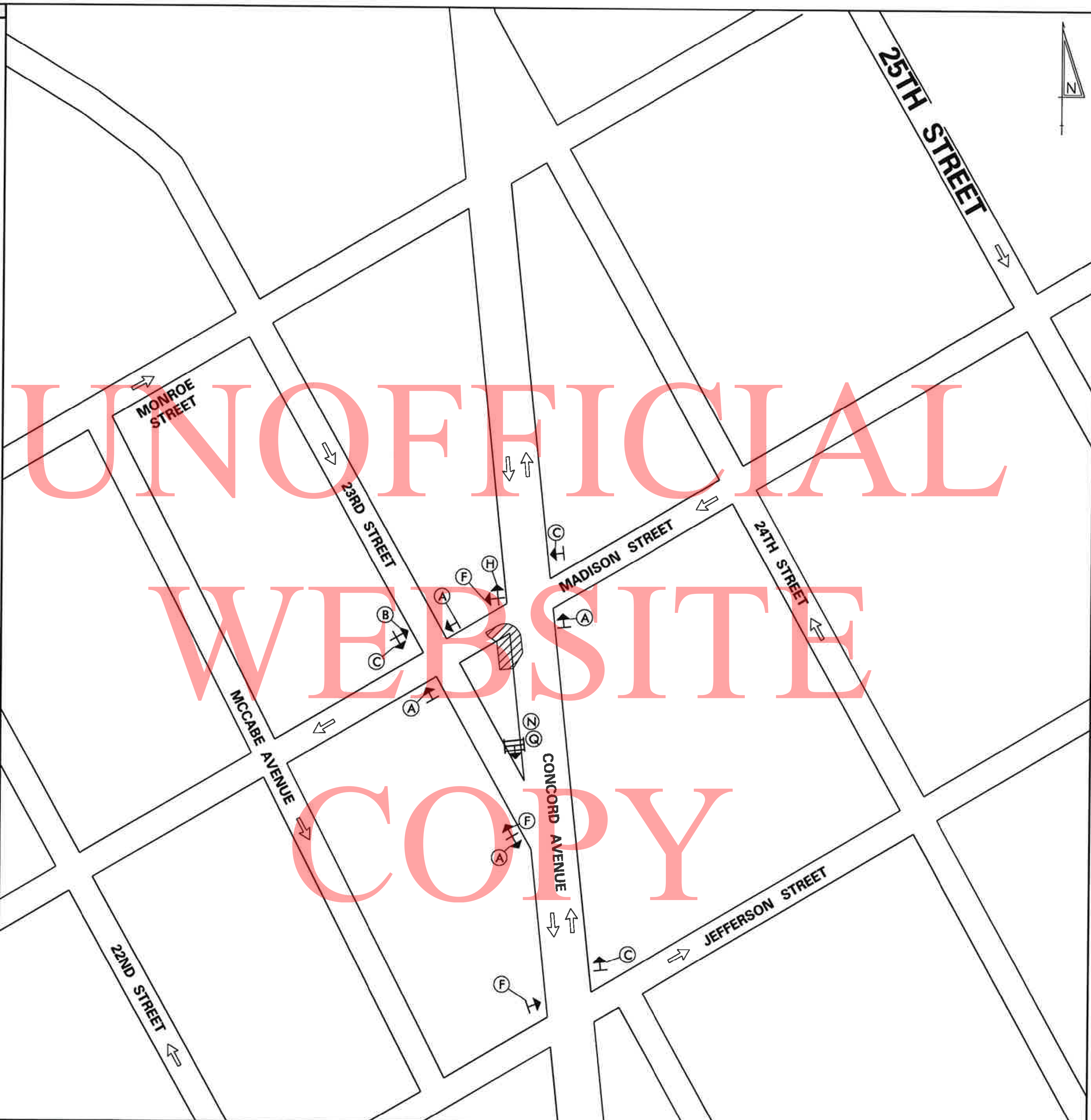
CONTRACT	BRIDGE NO.	N/A
T201620002	DESIGNED BY:	V.A.K.
COUNTY	CHECKED BY:	T.A.O.
NEW CASTLE		

CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLAN - PHASES 5 AND 6

CS-05
SHEET NO.
25
TOTAL SHTS.
47

SPECIAL SIGNS

SPECIAL NOTES



LEGEND

GENERAL NOTES

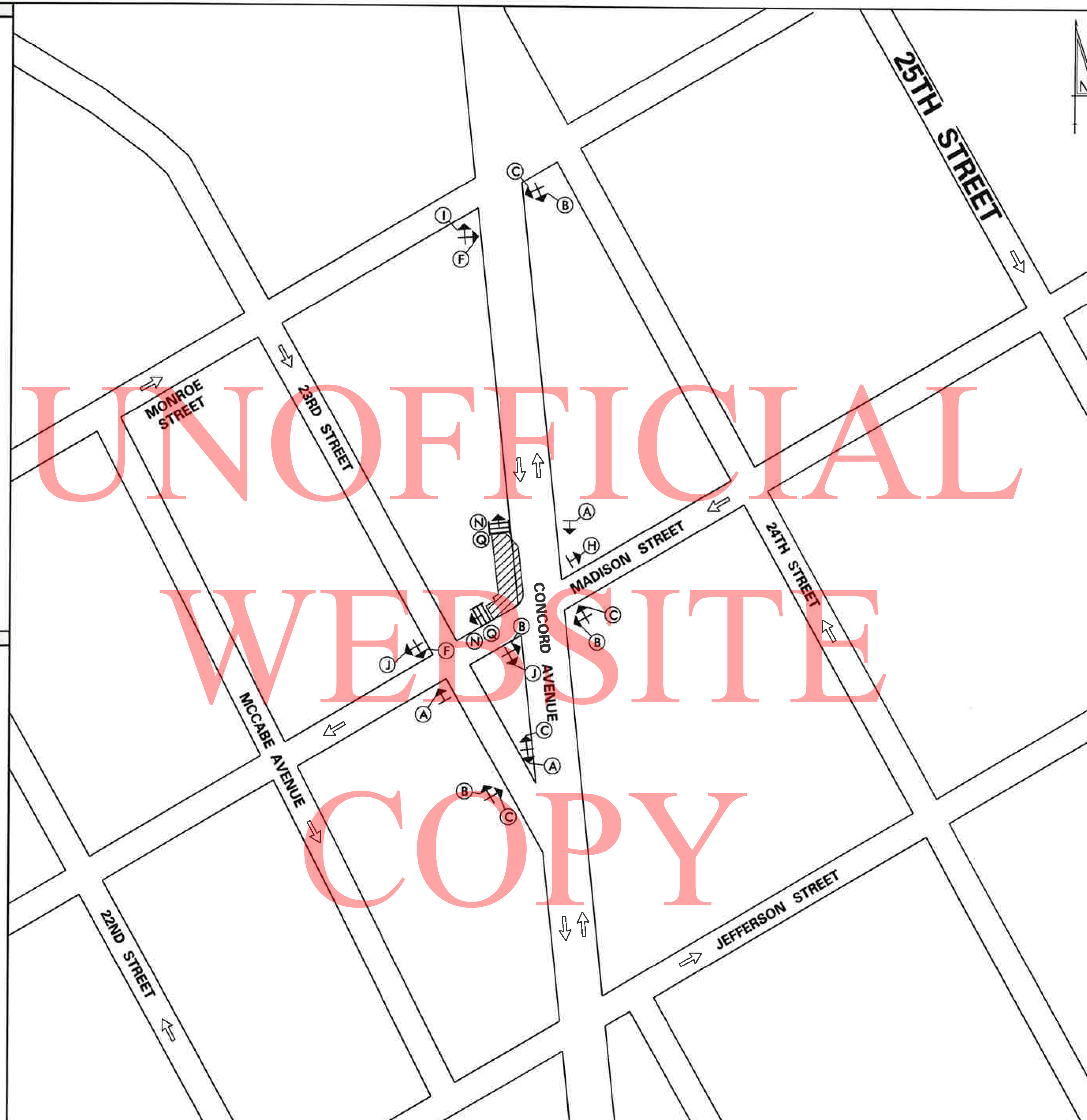
1. ALL DETOUR SIGNING, INCLUDING TRAILBLAZERS, ARE TO BE SUPPLIED AND MAINTAINED BY THE GENERAL CONTRACTOR IN COMPLIANCE WITH "THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (DE MUTCD.)
2. THE CONTRACTOR SHALL COMPLY WITH GUIDELINES IN "THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (DE MUTCD PART 6) FOR BARRICADES AND SIGNS (AS PER LATEST REVISION.)
3. DESIGN OF ALL SIGNS SHALL BE IN ACCORDANCE WITH THE FHWA STANDARD HIGHWAY SIGNS BOOK.
4. SIZES OF ALL SIGNS SHALL BE IN ACCORDANCE WITH THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (DE MUTCD.) SIZE OF SIGN SHALL BE BASED ON TYPE OF ROADWAY ON WHICH THE SIGN IS INSTALLED.
5. SIGNS NO LONGER IN USE SHALL BE COMPLETELY COVERED WITH NO RETROREFLECTIVE MATERIAL SHOWING, OR SHALL BE REMOVED, AS DIRECTED BY THE ENGINEER.
6. 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" (DE MUTCD) WILL PREVAIL.
7. WARNING SIGNS AND DETOUR TRAILBLAZERS SHALL BE MOUNTED ON BREAKAWAY POSTS AND HAVE RETROREFLECTIVE FLUORESCENT ORANGE SHEETING.
8. "O" BARRICADE SHALL COMPLETELY RUN THE FULL WIDTH OF SIDEWALK OR PEDESTRIAN PATH.
9. BARRICADES SHALL BE A MINIMUM OF 6 FEET WIDE UNLESS DIRECTED BY THE ENGINEER.
10. PEDESTRIAN DETOUR TRAILBLAZERS NOT ATTACHED TO BARRICADES ARE TO EITHER BE GROUND MOUNTED OR ATTACHED TO AN EXISTING SIGN POST AT THE LOCATION SHOWN ON THE PLAN.

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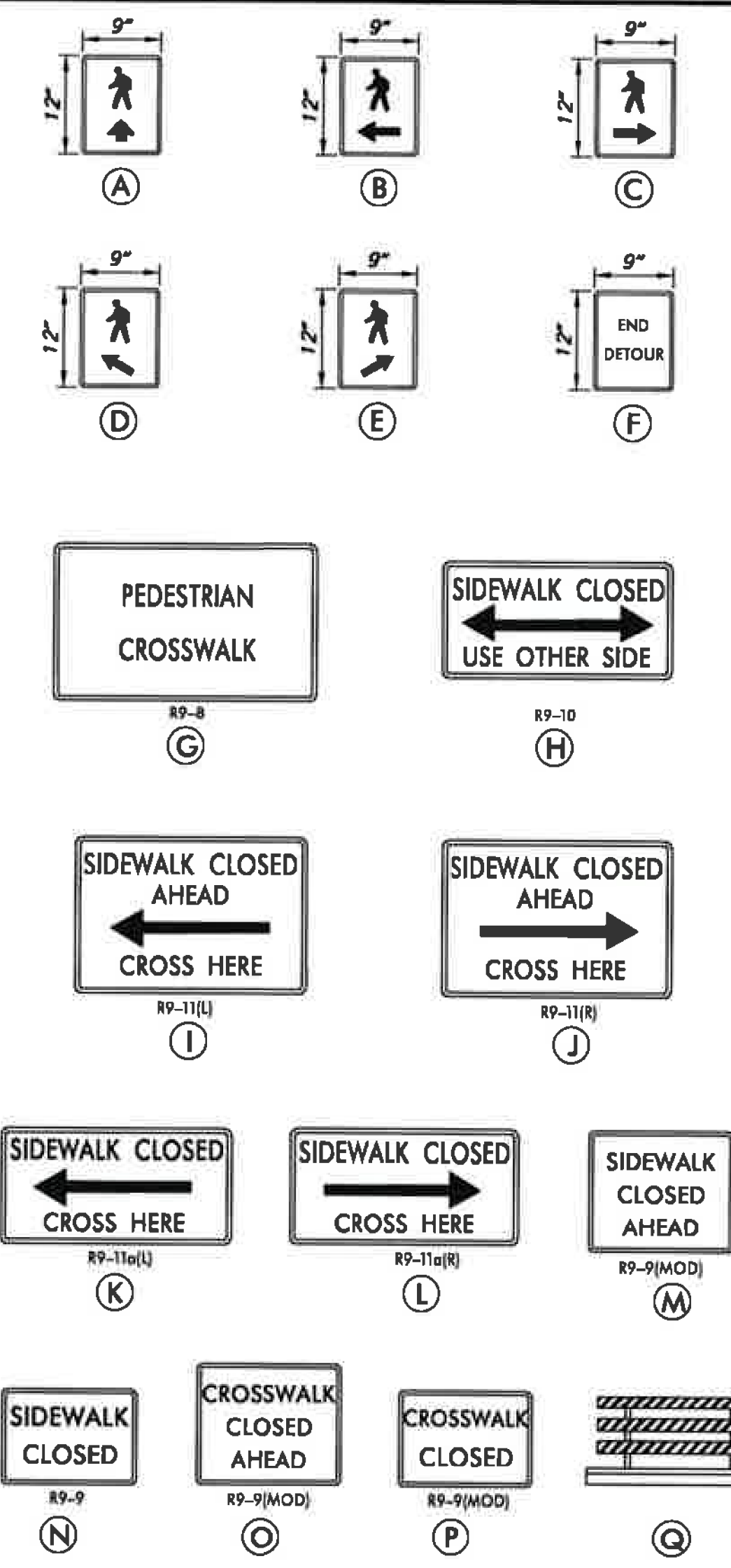
RECOMMENDED _____ DATE: _____	RECOMMENDED _____ DATE: _____	RECOMMENDED <i>E.M.P. 12/21/18</i> DATE: <i>11-26-18</i>	APPROVED CHIEF SAFETY OFFICER <i>[Signature]</i> DATE: <i>11-26-18</i>	APPROVED TRAFFIC ENGINEER <i>[Signature]</i> DATE: <i>11/26/18</i>		
DELAWARE DEPARTMENT OF TRANSPORTATION		ADDENDUM / REVISIONS	NOT TO SCALE	CONTRACT T201620002 COUNTY NEW CASTLE PERMIT NO. _____ DESIGNED BY: V.A.K. CHECKED BY: T.A.O.	PEDESTRIAN DETOUR PLAN MADISON STREET @ CONCORD AVENUE (PHASE 1A)	SHEET NO. 26 TOTAL SHTS. 47

SPECIAL SIGNS

SPECIAL NOTES



LEGEND



GENERAL NOTES

1. 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.)
2. THE CONTRACTOR SHALL COMPLY WITH GUIDELINES IN "THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (DE MUTCD PART 6) FOR BARRICADES AND SIGNS (AS PER LATEST REVISION.)
3. DESIGN OF ALL SIGNS SHALL BE IN ACCORDANCE WITH THE FHWA STANDARD HIGHWAY SIGNS BOOK.
4. SIZES OF ALL SIGNS SHALL BE IN ACCORDANCE WITH THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (DE MUTCD.) SIZE OF SIGN SHALL BE BASED ON TYPE OF ROADWAY ON WHICH THE SIGN IS INSTALLED.
5. SIGNS NO LONGER IN USE SHALL BE COMPLETELY COVERED WITH NO RETROREFLECTIVE MATERIAL SHOWING, OR SHALL BE REMOVED, AS DIRECTED BY THE ENGINEER.
6. 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" (DE MUTCD) WILL PREVAIL.
7. WARNING SIGNS AND DETOUR TRAILBLAZERS SHALL BE MOUNTED ON BREAKAWAY POSTS AND HAVE RETROREFLECTIVE FLUORESCENT ORANGE SHEETING.
8. "O" BARRICADE SHALL COMPLETELY RUN THE FULL WIDTH OF SIDEWALK OR PEDESTRIAN PATH.
9. BARRICADES SHALL BE A MINIMUM OF 6 FEET WIDE UNLESS DIRECTED BY THE ENGINEER.
10. PEDESTRIAN DETOUR TRAILBLAZERS NOT ATTACHED TO BARRICADES ARE TO EITHER BE GROUND MOUNTED OR ATTACHED TO AN EXISTING SIGN POST AT THE LOCATION SHOWN ON THE PLAN.

RECOMMENDED _____ DATE: _____ RECOMMENDED _____ DATE: _____ RECOMMENDED *E. Mendenhall* DATE: *11-26-18* APPROVED CHIEF SAFETY OFFICER *[Signature]* DATE: *11-26-18* APPROVED TRAFFIC ENGINEER *[Signature]* DATE: *11/26/18*

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUM / REVISIONS

NOT TO SCALE

CONCORD AVENUE STREETScape IMPROVEMENTS, PHASE 2

CONTRACT T201620002 COUNTY NEW CASTLE PERMIT NO. DESIGNED BY: V.A.K. CHECKED BY: T.A.O.

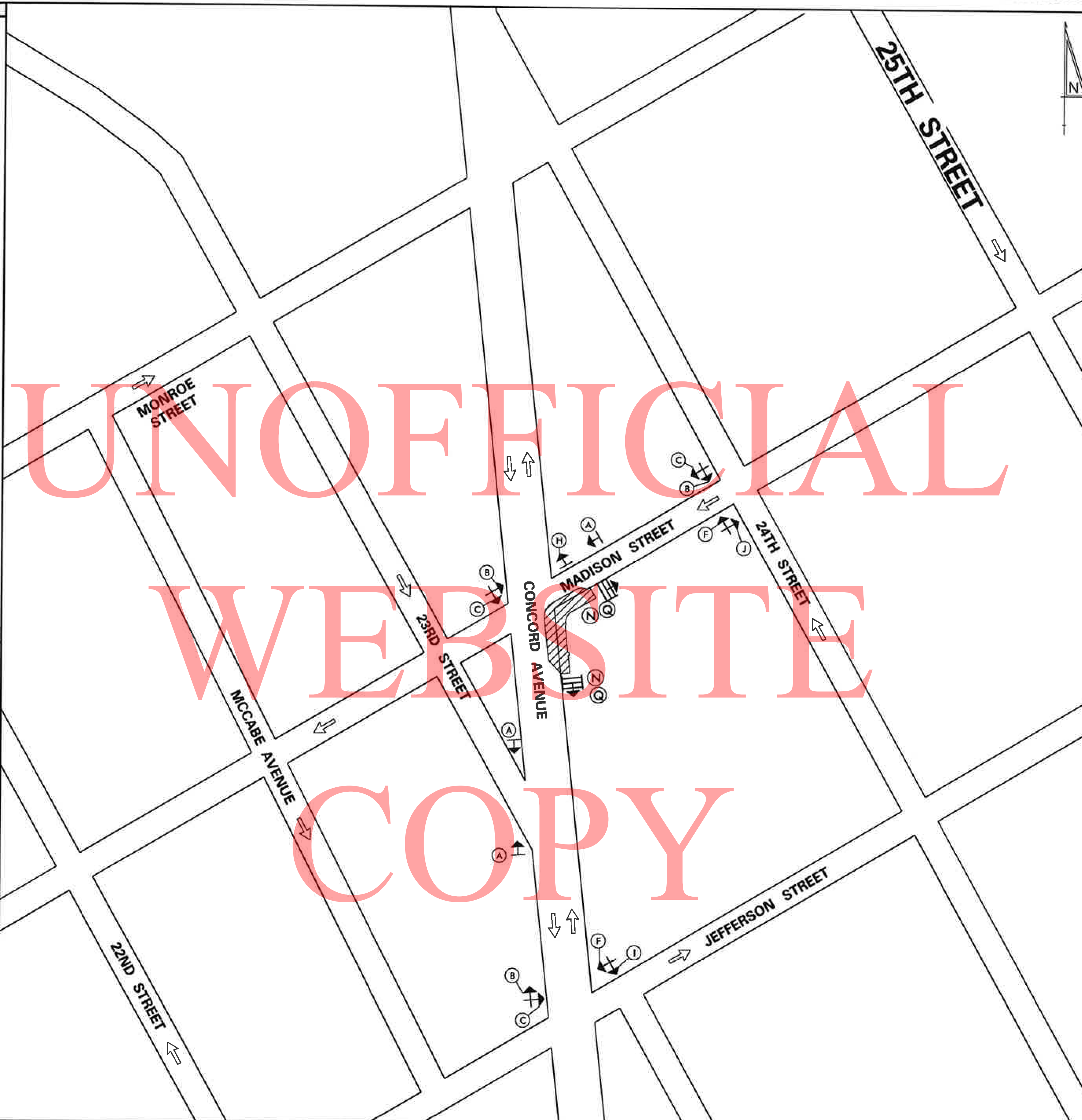
PEDESTRIAN DETOUR PLAN MADISON STREET @ CONCORD AVENUE (PHASE 1B)

SHEET NO. 27 TOTAL SHTS. 47

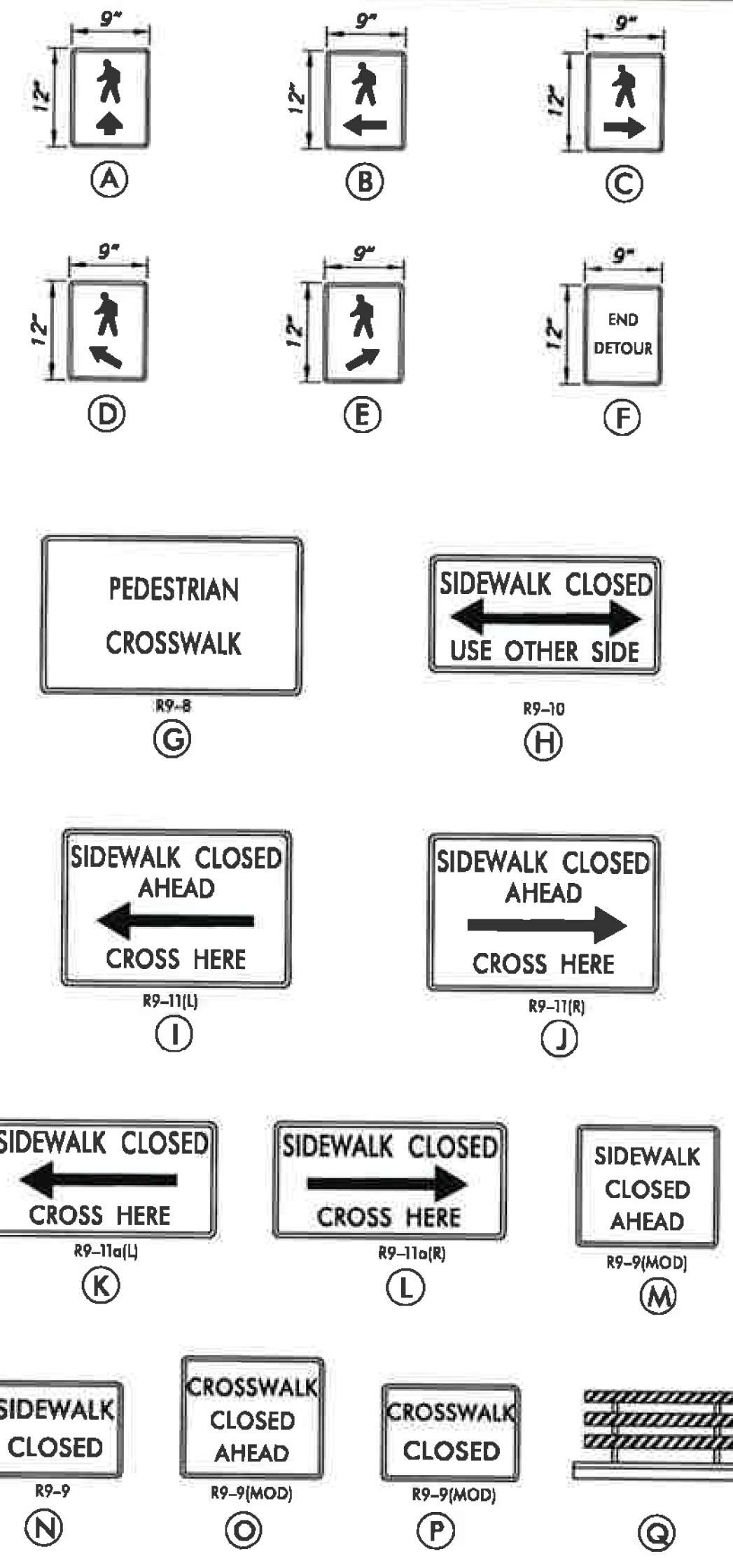
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 11/26/18 10:56:58 AM 11/26/18 10:56:58 AM

SPECIAL SIGNS

SPECIAL NOTES



LEGEND



GENERAL NOTES

1. 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.)
2. THE CONTRACTOR SHALL COMPLY WITH GUIDELINES IN "THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (DE MUTCD PART 6) FOR BARRICADES AND SIGNS (AS PER LATEST REVISION.)
3. DESIGN OF ALL SIGNS SHALL BE IN ACCORDANCE WITH THE FHWA STANDARD HIGHWAY SIGNS BOOK.
4. SIZES OF ALL SIGNS SHALL BE IN ACCORDANCE WITH THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (DE MUTCD.) SIZE OF SIGN SHALL BE BASED ON TYPE OF ROADWAY ON WHICH THE SIGN IS INSTALLED.
5. SIGNS NO LONGER IN USE SHALL BE COMPLETELY COVERED WITH NO RETROREFLECTIVE MATERIAL SHOWING, OR SHALL BE REMOVED, AS DIRECTED BY THE ENGINEER.
6. 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" (DE MUTCD) WILL PREVAIL.
7. WARNING SIGNS AND DETOUR TRAILBLAZERS SHALL BE MOUNTED ON BREAKAWAY POSTS AND HAVE RETROREFLECTIVE FLUORESCENT ORANGE SHEETING.
8. "O" BARRICADE SHALL COMPLETELY RUN THE FULL WIDTH OF SIDEWALK OR PEDESTRIAN PATH.
9. BARRICADES SHALL BE A MINIMUM OF 6 FEET WIDE UNLESS DIRECTED BY THE ENGINEER.
10. PEDESTRIAN DETOUR TRAILBLAZERS NOT ATTACHED TO BARRICADES ARE TO EITHER BE GROUND MOUNTED OR ATTACHED TO AN EXISTING SIGN POST AT THE LOCATION SHOWN ON THE PLAN.

RECOMMENDED _____ DATE: _____ RECOMMENDED _____ DATE: _____ RECOMMENDED *E. M. Miller* DATE: *11-26-18* APPROVED CHIEF SAFETY OFFICER *[Signature]* DATE: *11-26-18* APPROVED TRAFFIC ENGINEER *[Signature]* DATE: *11/26/18*

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUM / REVISIONS

NOT TO SCALE

CONCORD AVENUE STREETScape IMPROVEMENTS, PHASE 2

CONTRACT	PERMIT NO.
T201620002	DESIGNED BY: V.A.K.
COUNTY	CHECKED BY: T.A.O.
NEW CASTLE	

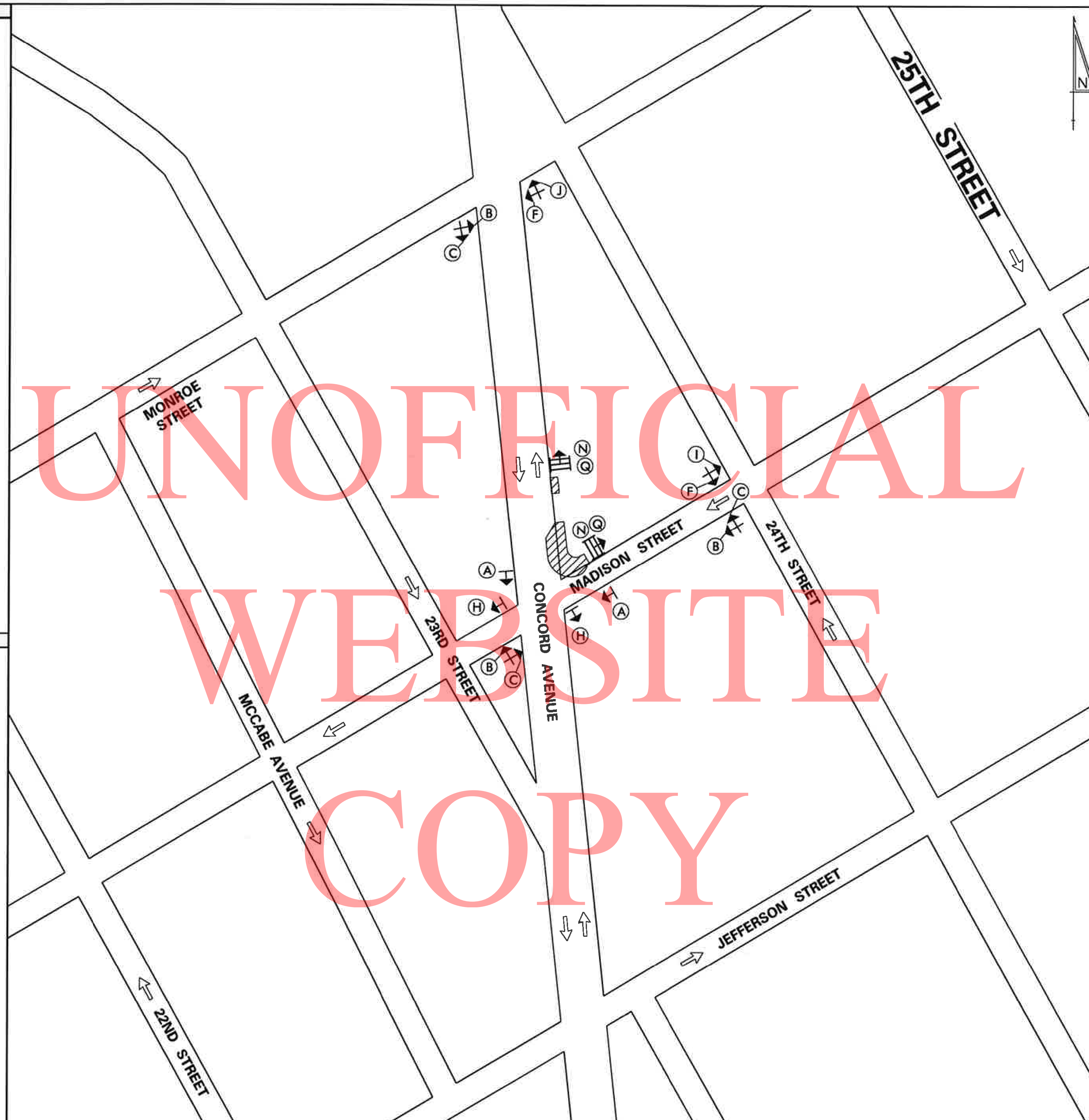
**PEDESTRIAN DETOUR PLAN
MADISON STREET @
CONCORD AVENUE
(PHASE 2A)**

SHEET NO.	28
TOTAL SHTS.	47

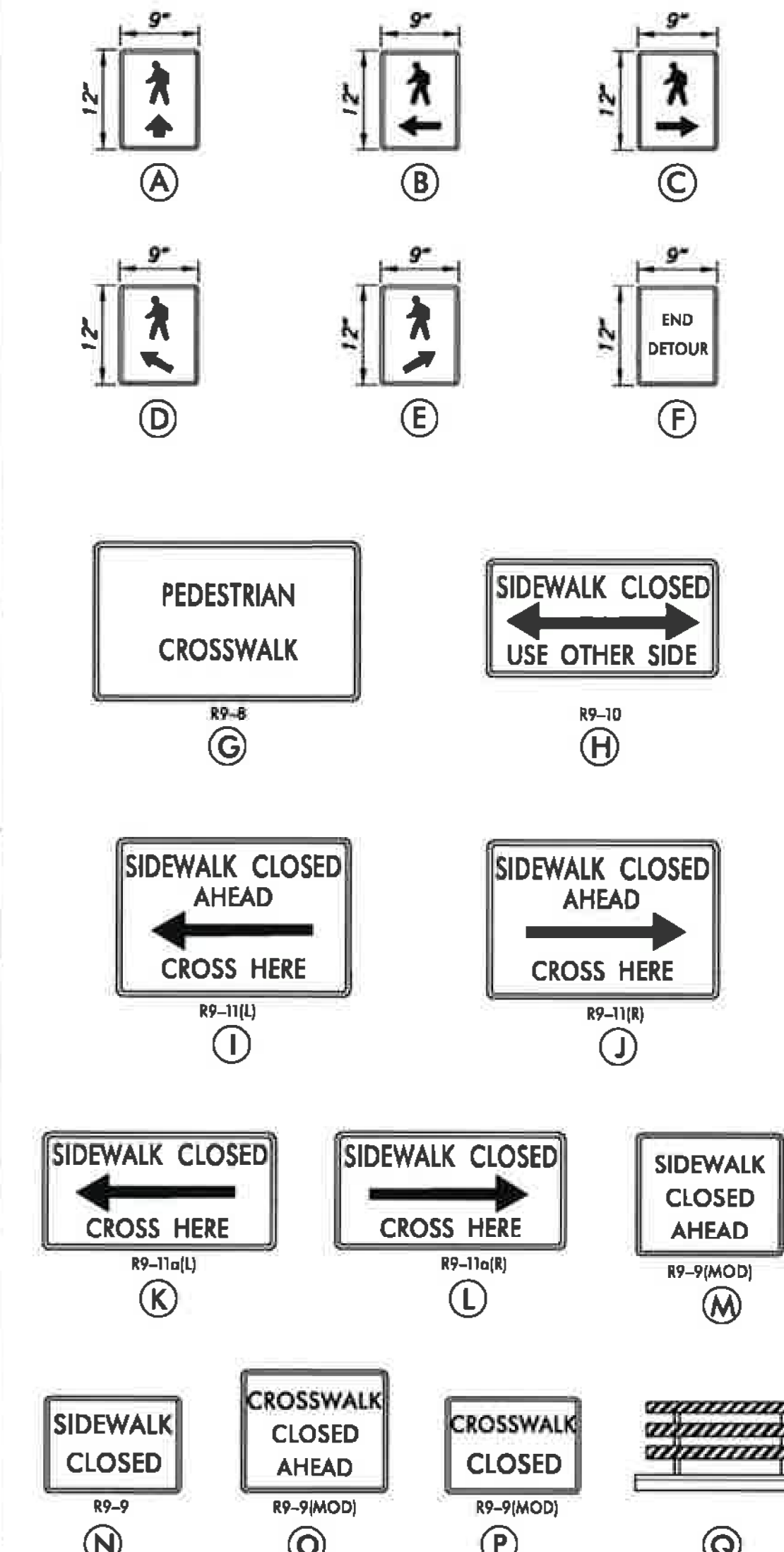
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SPECIAL SIGNS

SPECIAL NOTES



LEGEND



GENERAL NOTES

1. 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.)
2. THE CONTRACTOR SHALL COMPLY WITH GUIDELINES IN "THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (DE MUTCD PART 6) FOR BARRICADES AND SIGNS (AS PER LATEST REVISION.)
3. DESIGN OF ALL SIGNS SHALL BE IN ACCORDANCE WITH THE FHWA STANDARD HIGHWAY SIGNS BOOK.
4. SIZES OF ALL SIGNS SHALL BE IN ACCORDANCE WITH THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (DE MUTCD.) SIZE OF SIGN SHALL BE BASED ON TYPE OF ROADWAY ON WHICH THE SIGN IS INSTALLED.
5. SIGNS NO LONGER IN USE SHALL BE COMPLETELY COVERED WITH NO RETROREFLECTIVE MATERIAL SHOWING, OR SHALL BE REMOVED, AS DIRECTED BY THE ENGINEER.
6. 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" (DE MUTCD) WILL PREVAIL.
7. WARNING SIGNS AND DETOUR TRAILBLAZERS SHALL BE MOUNTED ON BREAKAWAY POSTS AND HAVE RETROREFLECTIVE FLUORESCENT ORANGE SHEETING.
8. "O" BARRICADE SHALL COMPLETELY RUN THE FULL WIDTH OF SIDEWALK OR PEDESTRIAN PATH.
9. BARRICADES SHALL BE A MINIMUM OF 6 FEET WIDE UNLESS DIRECTED BY THE ENGINEER.
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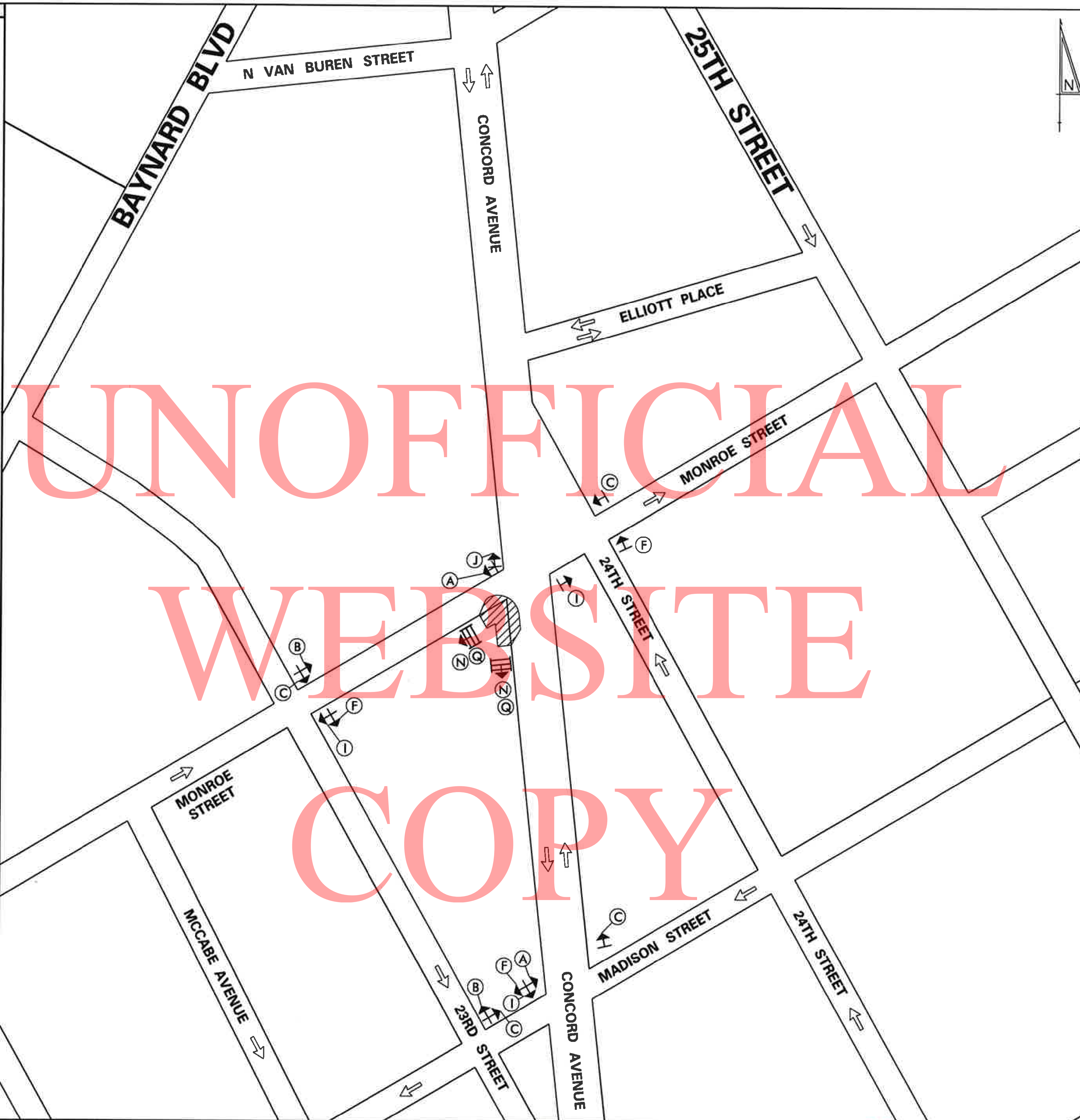
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RECOMMENDED _____ DATE: _____
 RECOMMENDED _____ DATE: _____
 RECOMMENDED *EMERSON* DATE: *11-26-18* APPROVED CHIEF SAFETY OFFICER *[Signature]* DATE: *11-20-18* APPROVED TRAFFIC ENGINEER *[Signature]* DATE: *11/26/18*

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUM / REVISIONS	NOT TO SCALE	CONCORD AVENUE STREETScape IMPROVEMENTS, PHASE 2	CONTRACT	PERMIT NO.	PEDESTRIAN DETOUR PLAN MADISON STREET @ CONCORD AVENUE (STAGE 2B)	SHEET NO.
				NEW CASTLE	DESIGNED BY: V.A.K.		29
				CHECKED BY: T.A.O.			TOTAL SHTS.
							47

SPECIAL SIGNS

SPECIAL NOTES



LEGEND

GENERAL NOTES

1. 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.)
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RECOMMENDED _____ DATE: _____ RECOMMENDED _____ DATE: _____ RECOMMENDED *E. Morgan* DATE: *11-26-18* APPROVED CHIEF SAFETY OFFICER *[Signature]* DATE: *11-26-18* APPROVED TRAFFIC ENGINEER *[Signature]* DATE: *11/26/18*

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUM / REVISIONS

NOT TO SCALE

CONCORD AVENUE STREETSCAPE IMPROVEMENTS, PHASE 2

CONTRACT	PERMIT NO.
T201620002	
COUNTY	DESIGNED BY: V.A.K.
NEW CASTLE	CHECKED BY: T.A.O.

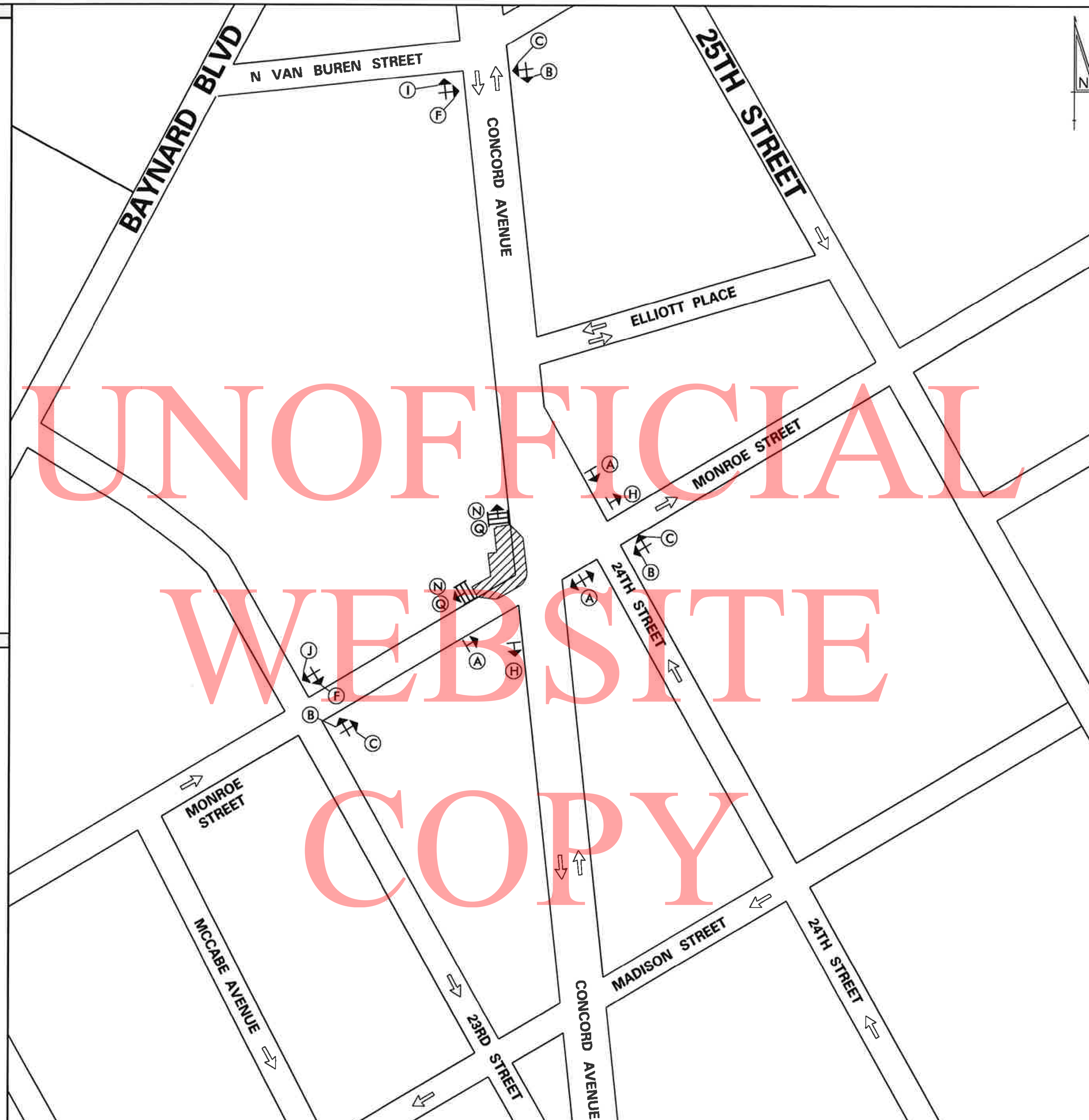
PEDESTRIAN DETOUR PLAN MONROE STREET @ CONCORD AVENUE (PHASE 3A)

SHEET NO.	30
TOTAL SHTS.	47

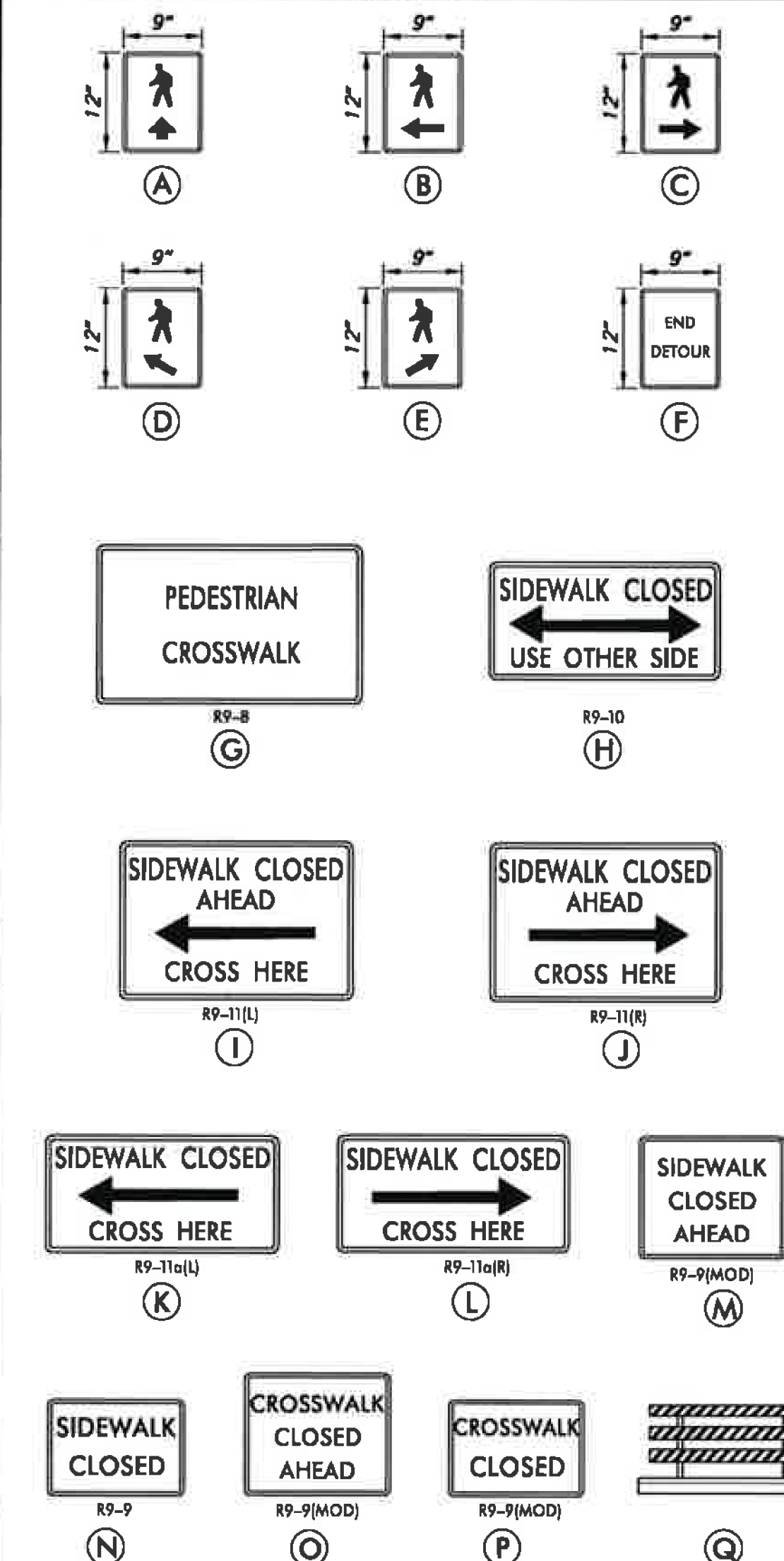
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SPECIAL SIGNS

SPECIAL NOTES



LEGEND



GENERAL NOTES

1. 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.)
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RECOMMENDED _____ DATE: _____

RECOMMENDED _____ DATE: _____

RECOMMENDED *S.M.A.J.* DATE: *11-26-18*

APPROVED CHIEF SAFETY OFFICER *[Signature]* DATE: *11-26-18*

APPROVED TRAFFIC ENGINEER *[Signature]* DATE: *11/26/18*



ADDENDUM / REVISIONS

NOT TO SCALE

CONCORD AVENUE STREETSCAPE IMPROVEMENTS, PHASE 2

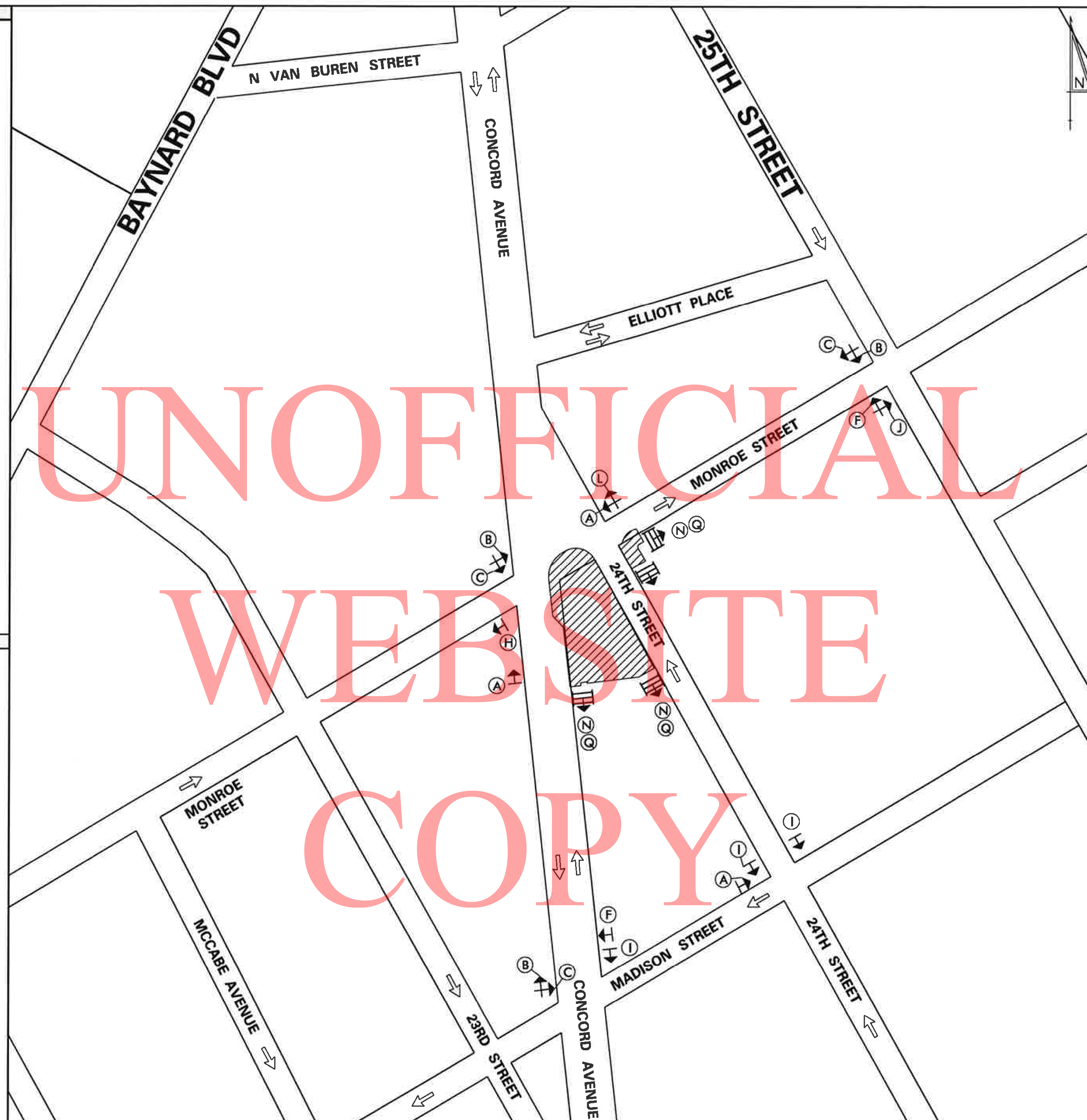
CONTRACT	T201620002	PERMIT NO.	
COUNTY	NEW CASTLE	DESIGNED BY:	V.A.K.
		CHECKED BY:	T.A.O.

PEDESTRIAN DETOUR PLAN MONROE STREET @ CONCORD AVENUE (PHASE 3B)	SHEET NO. 31
	TOTAL SHTS. 47

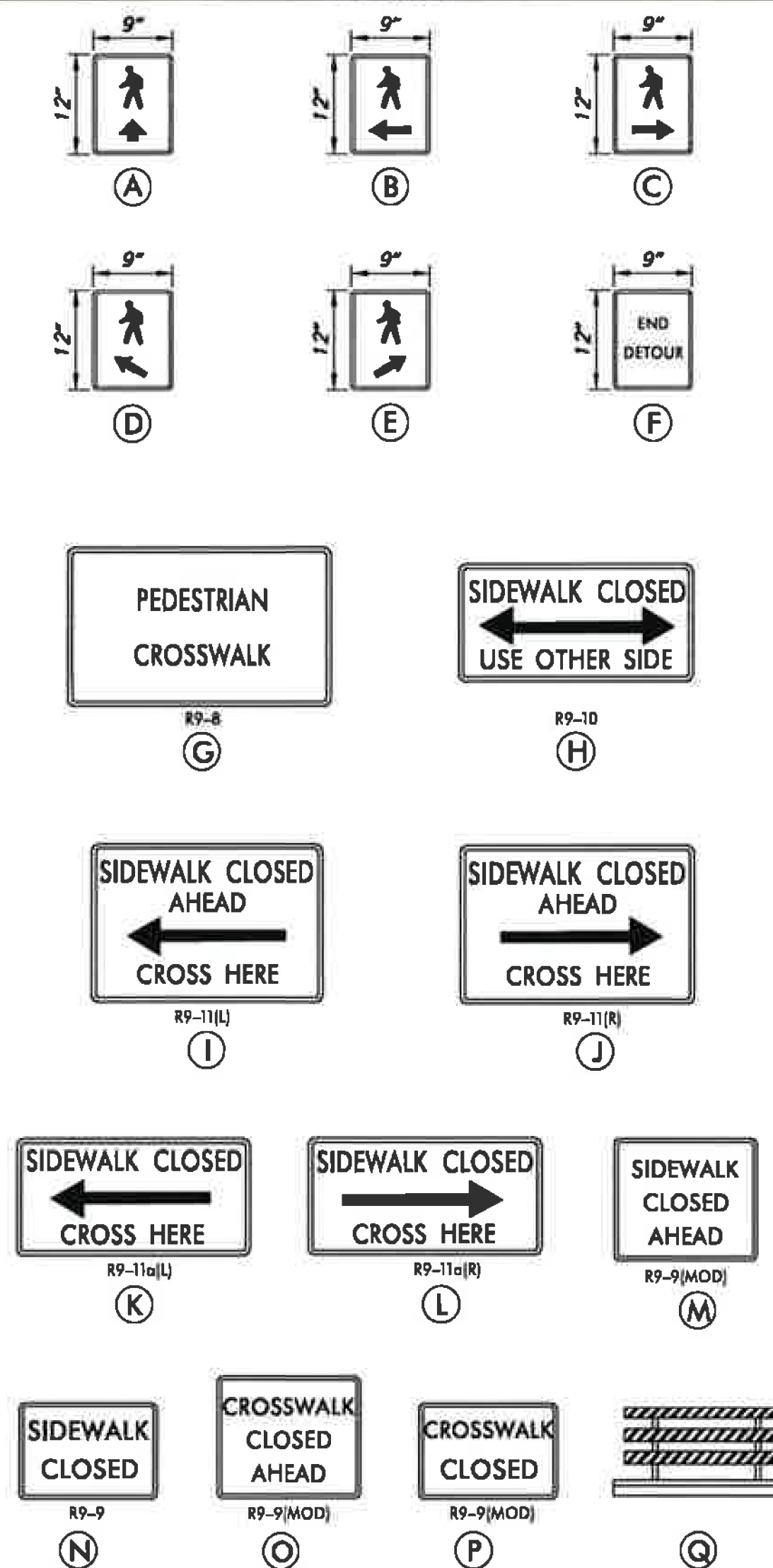
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SPECIAL SIGNS

SPECIAL NOTES



LEGEND



GENERAL NOTES

1. 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.)
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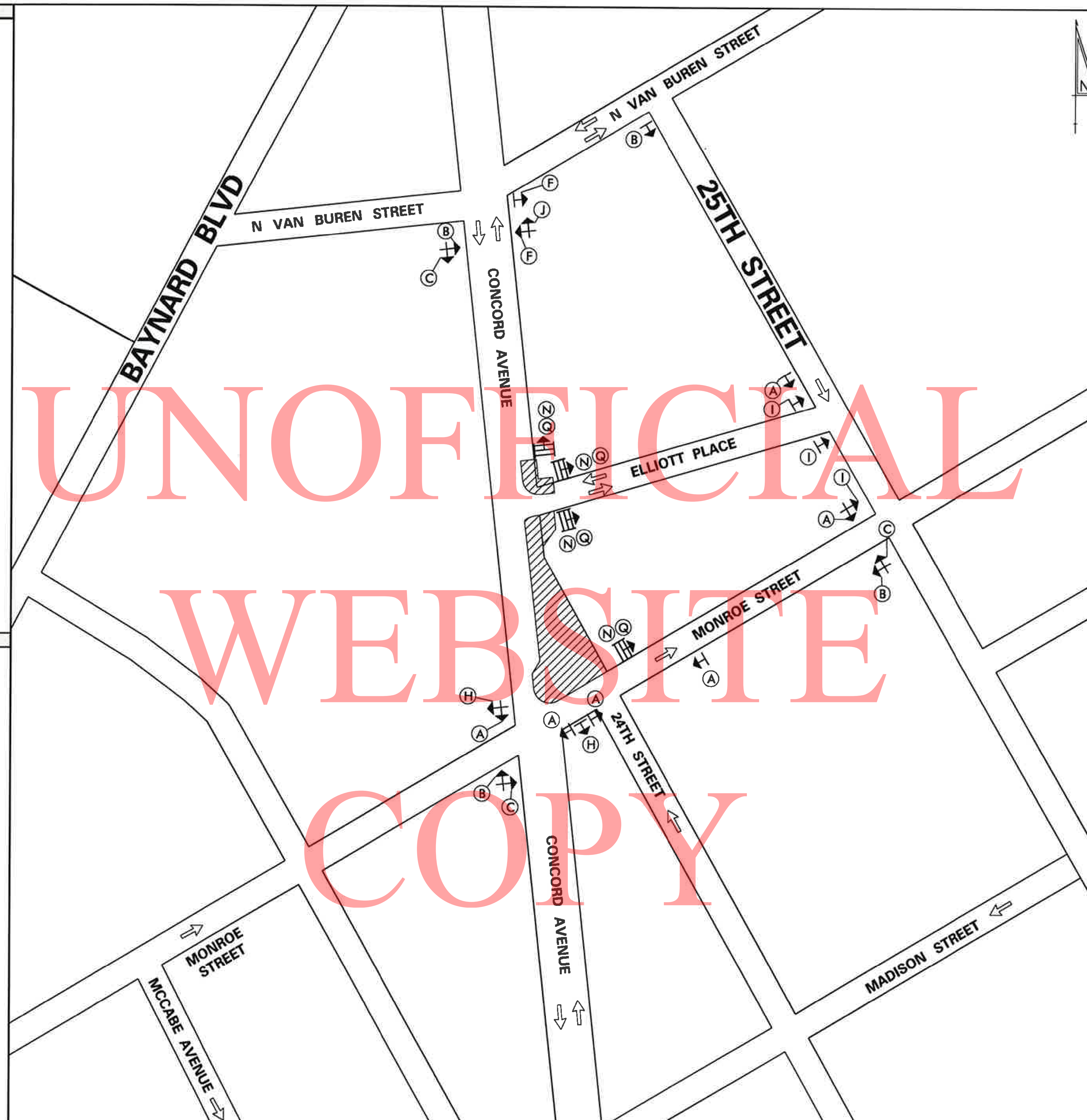
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RECOMMENDED _____ DATE: _____
 RECOMMENDED _____ DATE: _____
 RECOMMENDED *E. Moran* DATE: *11-26-18*
 APPROVED CHIEF SAFETY OFFICER *A. W. [Signature]* DATE: *11-26-18*
 APPROVED TRAFFIC ENGINEER *[Signature]* DATE: *11/26/18*

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUM / REVISIONS	NOT TO SCALE CONCORD AVENUE STREETScape IMPROVEMENTS, PHASE 2	CONTRACT T201620002	PERMIT NO.	PEDESTRIAN DETOUR PLAN MONROE STREET @ CONCORD AVENUE (PHASE 4A)	SHEET NO. 32
				COUNTY NEW CASTLE		DESIGNED BY: V.A.K. CHECKED BY: T.A.O.

SPECIAL SIGNS

SPECIAL NOTES



LEGEND

GENERAL NOTES

1. 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.)
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RECOMMENDED _____ DATE: _____ RECOMMENDED _____ DATE: _____ RECOMMENDED *E.M.P.S.A.* DATE: *11-26-15* APPROVED CHIEF SAFETY OFFICER *[Signature]* DATE: *11-26-15* APPROVED TRAFFIC ENGINEER *[Signature]* DATE: *11/26/16*

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUM / REVISIONS

NOT TO SCALE

CONCORD AVENUE STREETSCAPE IMPROVEMENTS, PHASE 2

CONTRACT T201620002 COUNTY NEW CASTLE PERMIT NO. DESIGNED BY: V.A.K. CHECKED BY: T.A.O.

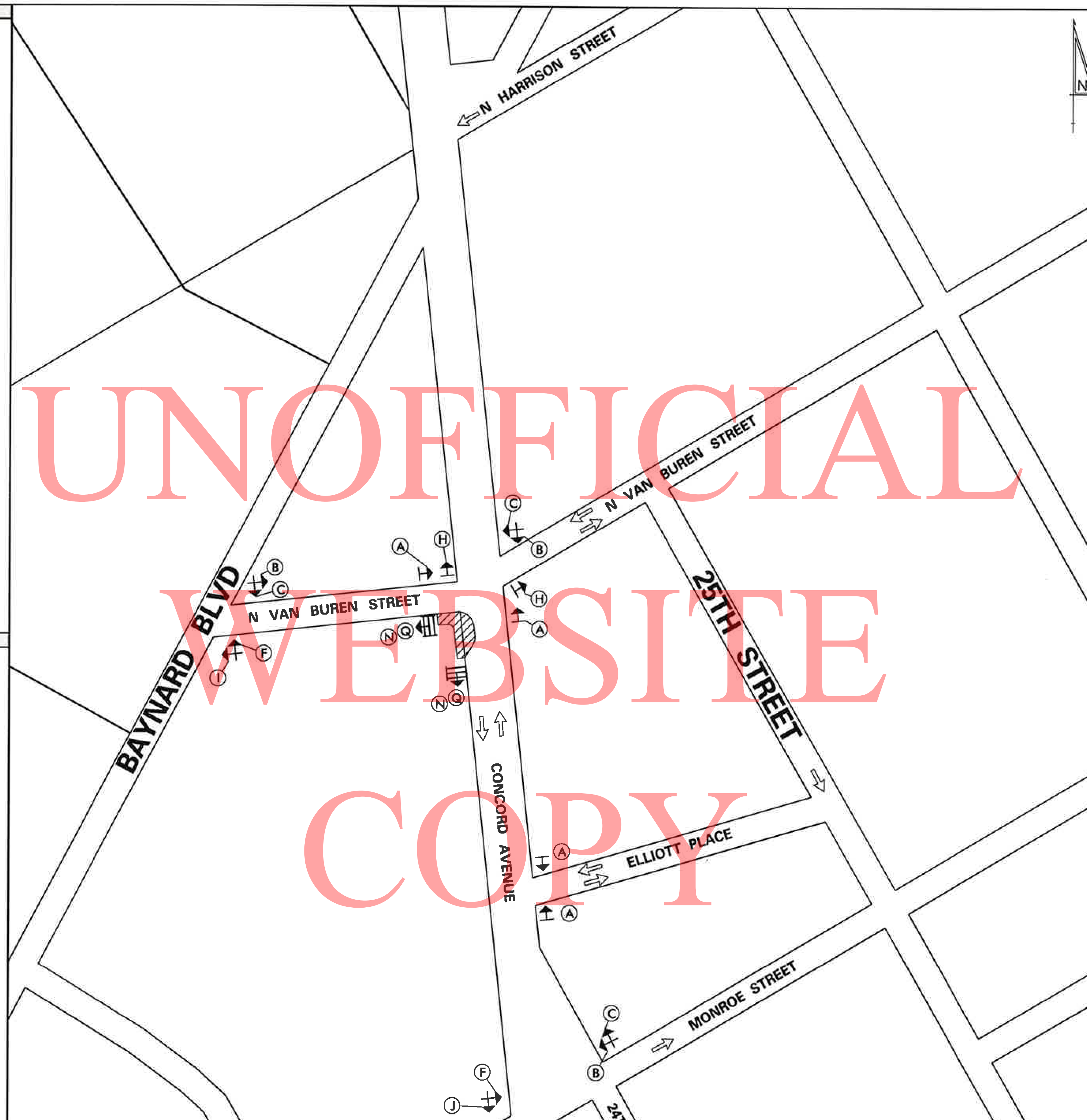
PEDESTRIAN DETOUR PLAN MONROE STREET @ CONCORD AVENUE (PHASE 4B)

SHEET NO. 33 TOTAL SHTS. 47

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SPECIAL SIGNS

SPECIAL NOTES



LEGEND

GENERAL NOTES

1. 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.)
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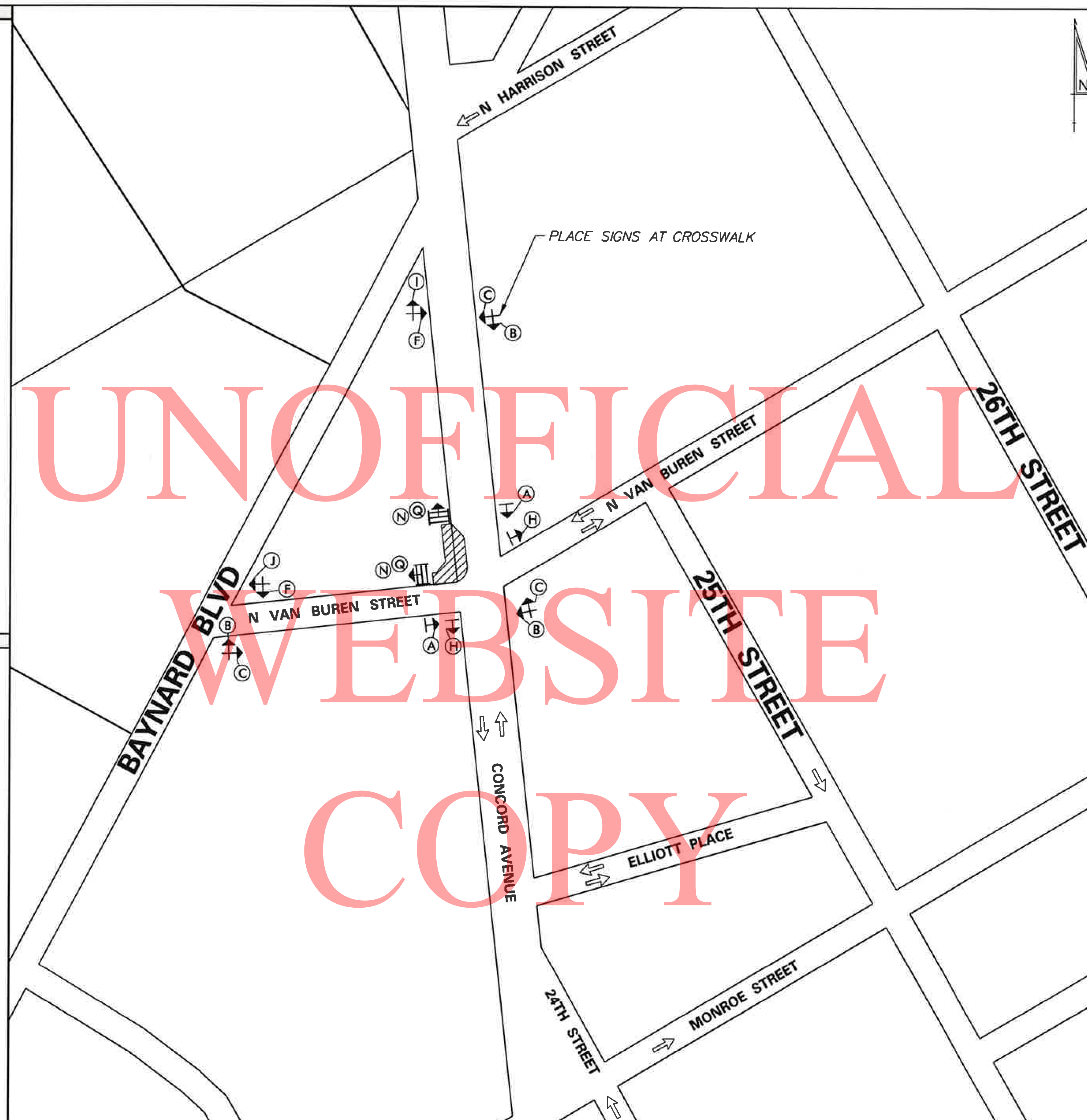
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RECOMMENDED _____ DATE: _____ RECOMMENDED _____ DATE: _____ RECOMMENDED *E. M. W. C. U.* DATE: *11-16-18* APPROVED CHIEF SAFETY OFFICER *M. M. A. H. S.* DATE: *11-26-18* APPROVED TRAFFIC ENGINEER *M. S. A.* DATE: *11/26/18*

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUM / REVISIONS	NOT TO SCALE	CONCORD AVENUE STREETScape IMPROVEMENTS, PHASE 2	CONTRACT T201620002 COUNTY NEW CASTLE	PERMIT NO. DESIGNED BY: V.A.K. CHECKED BY: T.A.O.	PEDESTRIAN DETOUR PLAN MONROE STREET @ CONCORD AVENUE (PHASE 5A)	SHEET NO. 34 TOTAL SHTS. 47

SPECIAL SIGNS

SPECIAL NOTES



LEGEND

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.)
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11/26/18 11:26:18 AM 11/26/18 11:26:18 AM

RECOMMENDED _____ DATE: _____ RECOMMENDED _____ DATE: _____ RECOMMENDED *E. Moran* DATE: *11-26-18* APPROVED CHIEF SAFETY OFFICER *Substantive* DATE: *11-26-18* APPROVED TRAFFIC ENGINEER *M. J. ...* DATE: *11/26/18*

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUM / REVISIONS

NOT TO SCALE

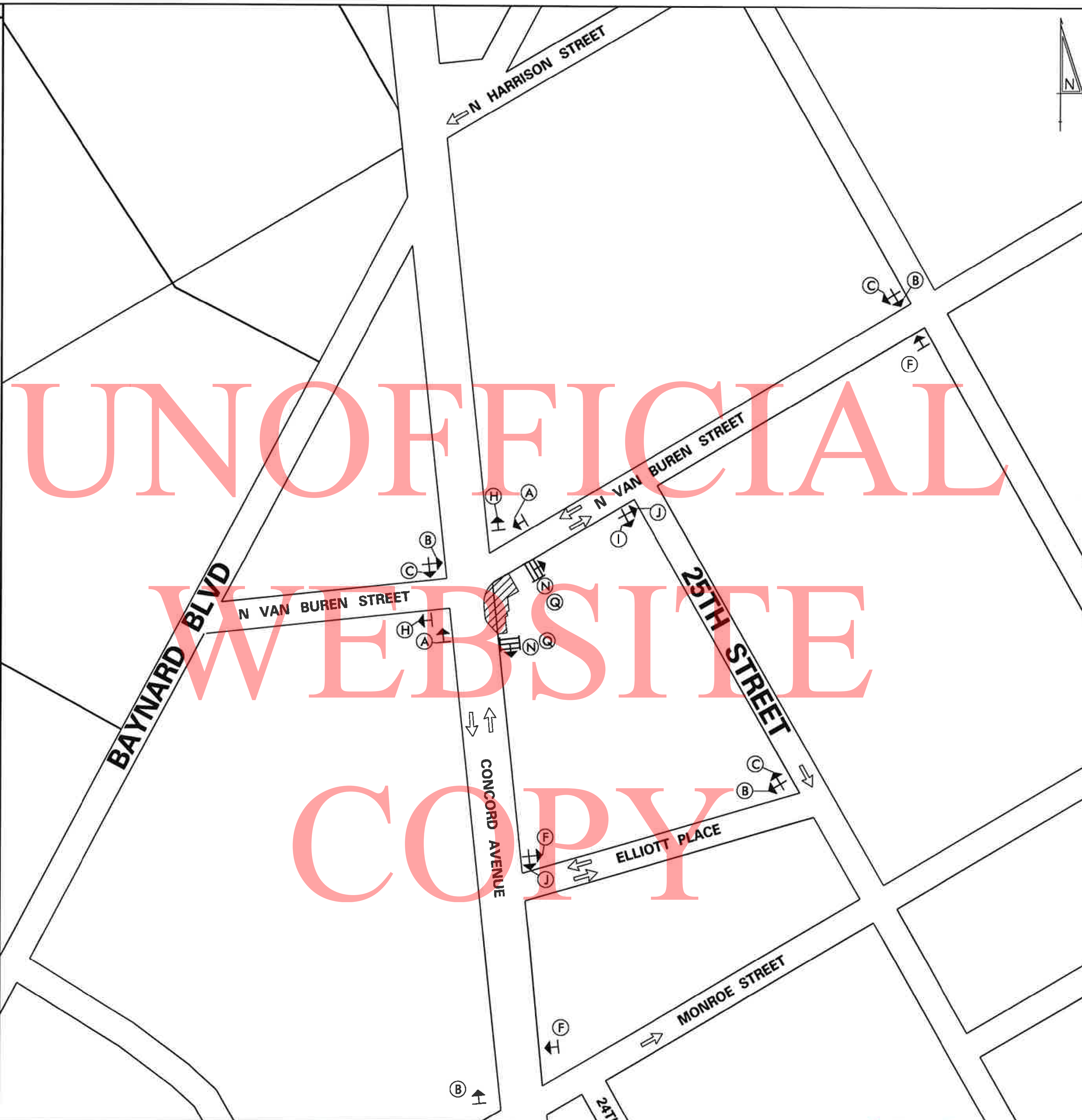
CONCORD AVENUE STREETSCAPE IMPROVEMENTS, PHASE 2

CONTRACT T201620002	PERMIT NO.
COUNTY NEW CASTLE	DESIGNED BY: V.A.K.
	CHECKED BY: T.A.O.

PEDESTRIAN DETOUR PLAN MONROE STREET @ CONCORD AVENUE (PHASE 5B)	SHEET NO. 35
	TOTAL SHTS. 47

SPECIAL SIGNS

SPECIAL NOTES



LEGEND

GENERAL NOTES

1. 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.)
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RECOMMENDED _____ DATE: _____ RECOMMENDED _____ DATE: _____ RECOMMENDED *ENMORAN* DATE: *11-26-18* APPROVED CHIEF SAFETY OFFICER *[Signature]* DATE: *11-26-18* APPROVED TRAFFIC ENGINEER *[Signature]* DATE: _____

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUM / REVISIONS

NOT TO SCALE

CONCORD AVENUE STREETSCAPE IMPROVEMENTS, PHASE 2

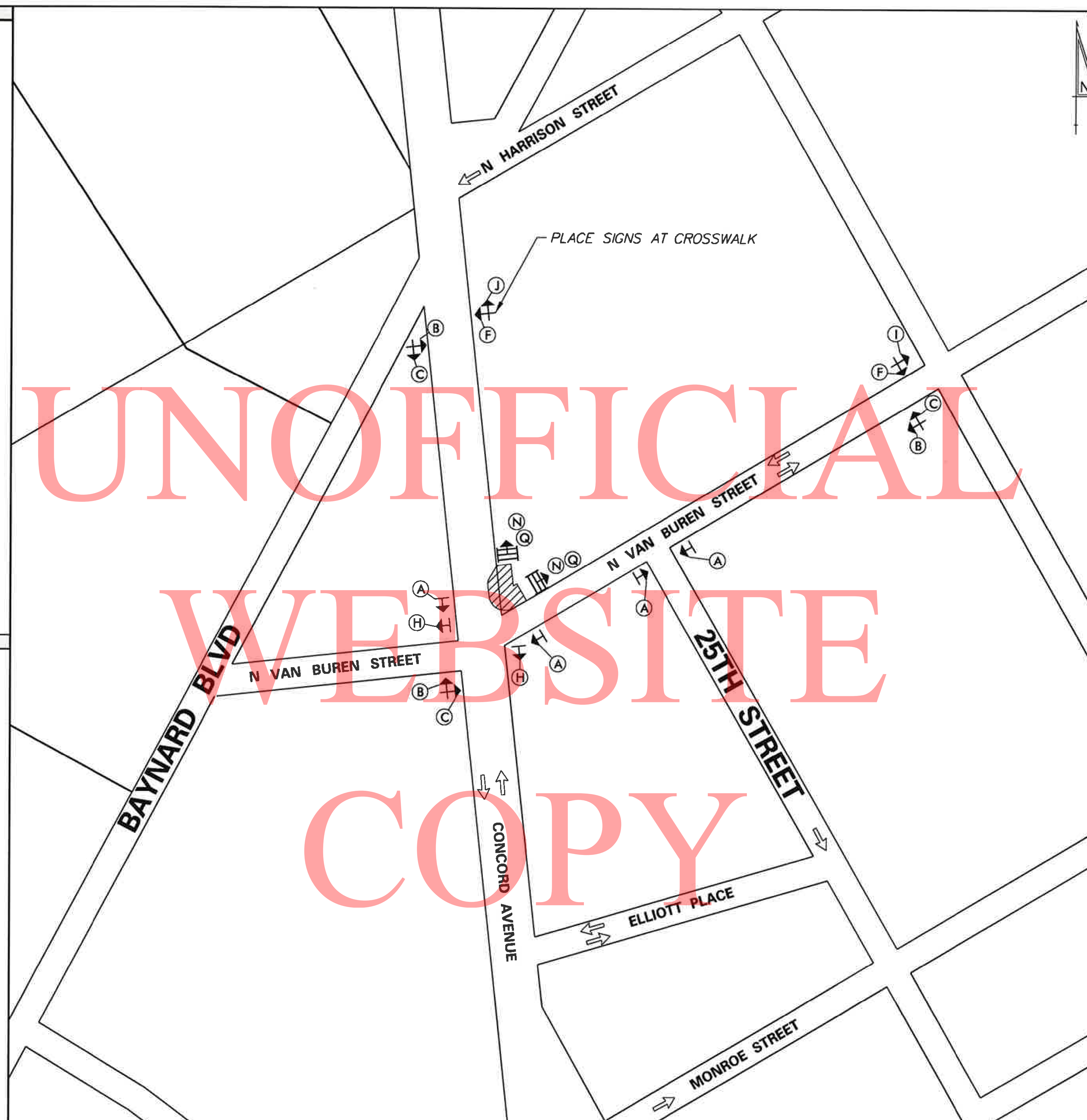
CONTRACT	PERMIT NO.
T201620002	
COUNTY	DESIGNED BY: V.A.K.
NEW CASTLE	CHECKED BY: T.A.O.

PEDESTRIAN DETOUR PLAN MONROE STREET @ CONCORD AVENUE (PHASE 6A)	SHEET NO. 36
	TOTAL SHTS. 47

11/27/2018 09:55:00 AM D:\PTL\CONV.DWG

SPECIAL SIGNS

SPECIAL NOTES



LEGEND

GENERAL NOTES

1. 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.)
2. THE CONTRACTOR SHALL COMPLY WITH GUIDELINES IN "THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (DE MUTCD PART 6) FOR BARRICADES AND SIGNS (AS PER LATEST REVISION.)
3. DESIGN OF ALL SIGNS SHALL BE IN ACCORDANCE WITH THE FHWA STANDARD HIGHWAY SIGNS BOOK.
4. SIZES OF ALL SIGNS SHALL BE IN ACCORDANCE WITH THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (DE MUTCD.) SIZE OF SIGN SHALL BE BASED ON TYPE OF ROADWAY ON WHICH THE SIGN IS INSTALLED.
5. SIGNS NO LONGER IN USE SHALL BE COMPLETELY COVERED WITH NO RETROREFLECTIVE MATERIAL SHOWING, OR SHALL BE REMOVED, AS DIRECTED BY THE ENGINEER.
6. 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" (DE MUTCD) WILL PREVAIL.
7. WARNING SIGNS AND DETOUR TRAILBLAZERS SHALL BE MOUNTED ON BREAKAWAY POSTS AND HAVE RETROREFLECTIVE FLUORESCENT ORANGE SHEETING.
8. "Q" BARRICADE SHALL COMPLETELY RUN THE FULL WIDTH OF SIDEWALK OR PEDESTRIAN PATH.
9. BARRICADES SHALL BE A MINIMUM OF 6 FEET WIDE UNLESS DIRECTED BY THE ENGINEER.
10. PEDESTRIAN DETOUR TRAILBLAZERS NOT ATTACHED TO BARRICADES ARE TO EITHER BE GROUND MOUNTED OR ATTACHED TO AN EXISTING SIGN POST AT THE LOCATION SHOWN ON THE PLAN.

RECOMMENDED _____ DATE: _____ RECOMMENDED _____ DATE: _____ RECOMMENDED *Emerich* DATE: *11-26-18* APPROVED CHIEF SAFETY OFFICER *[Signature]* DATE: *11-26-18* APPROVED TRAFFIC ENGINEER *[Signature]* DATE: *11/26/18*



ADDENDUM / REVISIONS

NOT TO SCALE

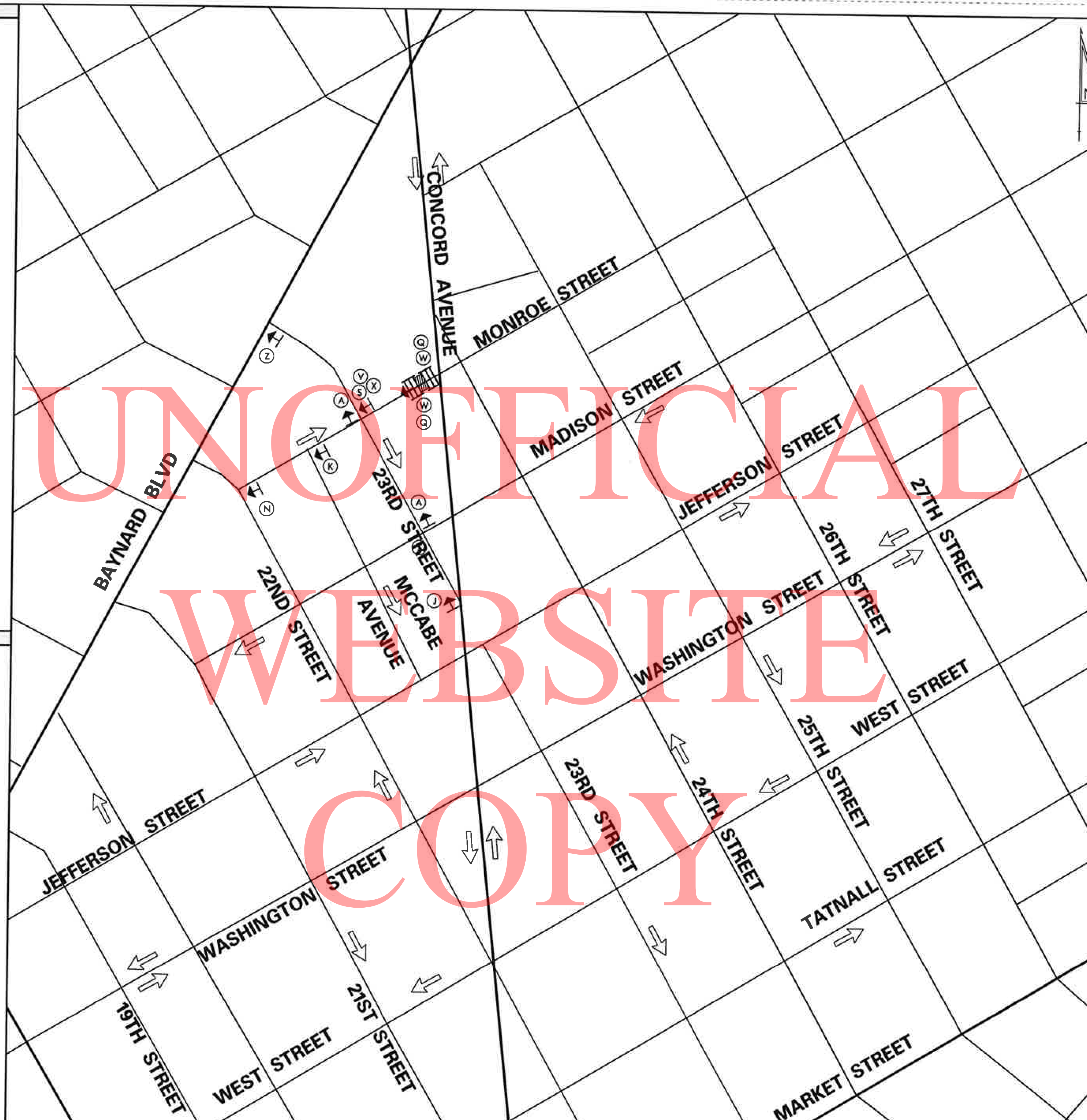
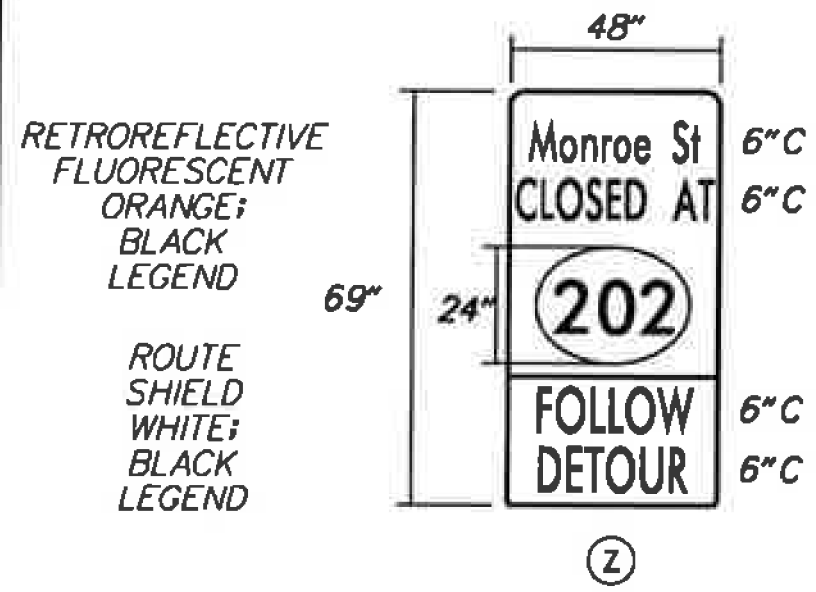
CONCORD AVENUE STREETSCAPE IMPROVEMENTS, PHASE 2

CONTRACT	PERMIT NO.
T201620002	
COUNTY	DESIGNED BY: V.A.K.
NEW CASTLE	CHECKED BY: T.A.O.

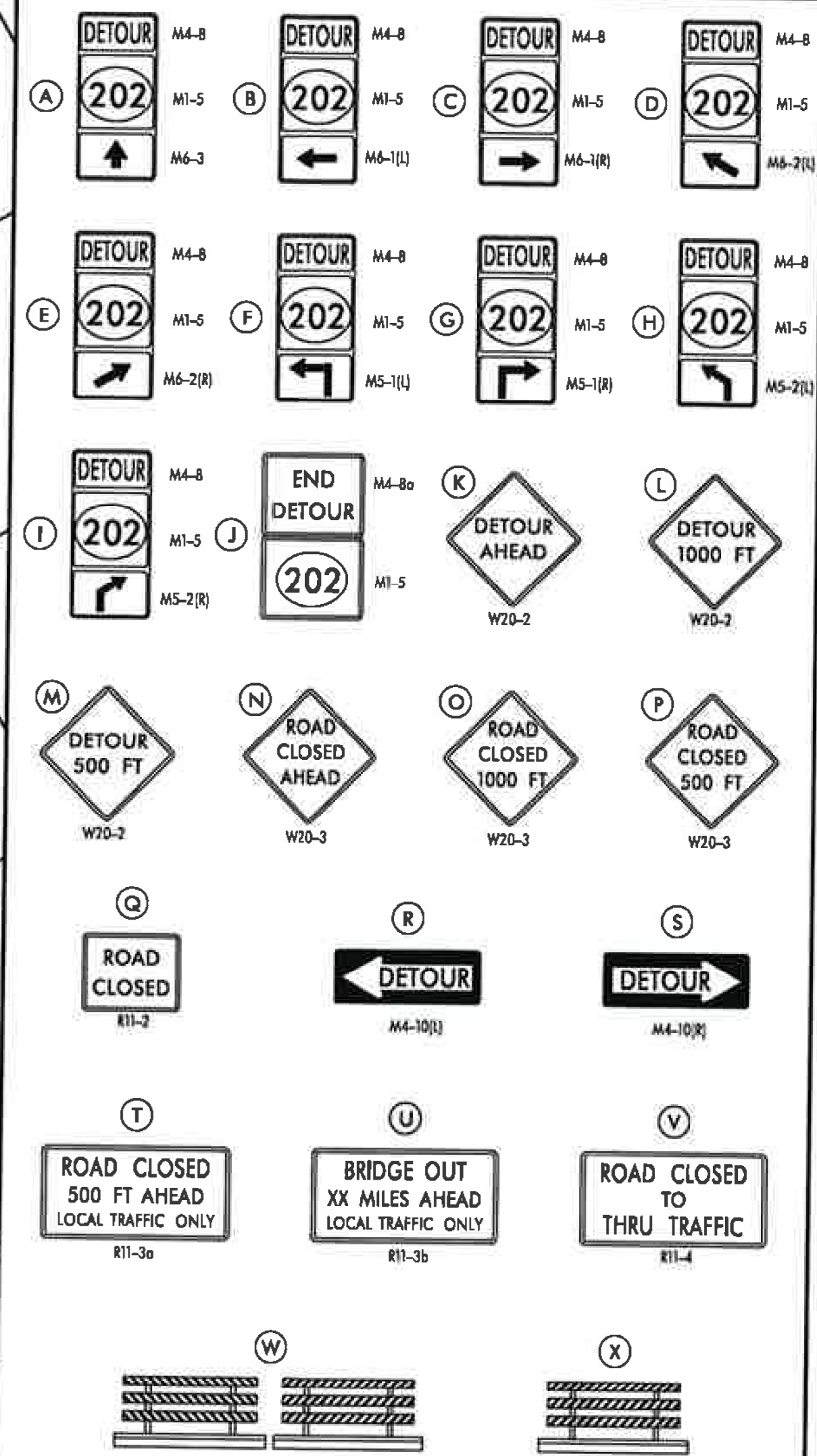
PEDESTRIAN DETOUR PLAN	SHEET NO.
MONROE STREET @	37
CONCORD AVENUE	TOTAL SHTS.
(PHASE 6B)	47

PORTABLE CHANGEABLE MESSAGE SIGNS

SPECIAL SIGNS



LEGEND



GENERAL NOTES

1. 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.)
2. THE CONTRACTOR SHALL COMPLY WITH GUIDELINES IN "THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (DE MUTCD.) SIZE OF SIGN SHALL BE BASED ON TYPE OF ROADWAY ON WHICH THE SIGN IS INSTALLED.
3. DESIGN OF ALL SIGNS SHALL BE IN ACCORDANCE WITH THE FHWA STANDARD HIGHWAY SIGNS BOOK.
4. SIZES OF ALL SIGNS SHALL BE IN ACCORDANCE WITH "THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (DE MUTCD.) SIZE OF SIGN SHALL BE BASED ON TYPE OF ROADWAY ON WHICH THE SIGN IS INSTALLED.
5. SIGNS NO LONGER IN USE SHALL BE COMPLETELY COVERED WITH NO RETROREFLECTIVE MATERIAL SHOWING, OR SHALL BE REMOVED, AS DIRECTED BY THE ENGINEER.
6. 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" (DE MUTCD) WILL PREVAIL.
7. SIGNS "N" THROUGH "Q" AND "T" AND "V", THE WORD "ROAD" SHOULD BE CHANGED TO "RAMP", "RR XING", OR "BRIDGE" WHERE APPLICABLE.
8. WARNING SIGNS AND DETOUR TRAILBLAZERS SHALL BE MOUNTED ON BREAKAWAY POSTS AND HAVE RETROREFLECTIVE FLUORESCENT ORANGE SHEETING.
9. "W" BARRICADES SHALL COMPLETELY RUN THE FULL WIDTH OF THE ROADWAY.
10. BARRICADES SHALL BE A MINIMUM OF 6 FEET WIDE UNLESS DIRECTED BY THE ENGINEER.

RECOMMENDED _____ DATE: _____	RECOMMENDED _____ DATE: _____	RECOMMENDED _____ DATE: _____	APPROVED CHIEF SAFETY OFFICER <i>[Signature]</i> DATE: 11-15-18	APPROVED TRAFFIC ENGINEER <i>[Signature]</i> DATE: 11/15/18
<p>DELAWARE DEPARTMENT OF TRANSPORTATION</p>			<p>CONTRACT T201620002</p> <p>COUNTY NEW CASTLE</p>	<p>PERMIT NO. _____</p> <p>DESIGNED BY: V.A.K.</p> <p>CHECKED BY: T.A.O.</p>
<p>NOT TO SCALE</p>		<p>CONCORD AVENUE STREETSCAPE IMPROVEMENTS, PHASE 2</p>		<p>VEHICULAR DETOUR PLAN MONROE STREET @ CONCORD AVENUE</p>
				<p>SHEET NO. 38</p> <p>TOTAL SHTS. 47</p>

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PROJECT LIGHTING NOTES:

- CONDUIT RUNS ARE SHOWN IN APPROXIMATE LOCATIONS. THE CONTRACTOR SHALL LOCATE THE SERVICE RUNS IN A MANNER THAT AVOIDS CONFLICTS WITH ALL EXISTING AND PROPOSED FEATURES AS FIELD CONDITIONS DICTATE AND AS APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO WORK.
- THE LIGHTING CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL THE CONTRACTORS INVOLVED ON THIS PROJECT. THE LIGHTING CONTRACTOR SHALL COORDINATE WITH THE ENGINEER AND THE GENERAL SUPERINTENDENT ON THE LOCATIONS OF ALL CONDUIT, JUNCTION WELLS AND POLE BASES TO ELIMINATE CONSTRUCTION CONFLICTS.
- EXISTING UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXACT LOCATIONS OF EXISTING AND PROPOSED UTILITIES PRIOR TO COMMENCING WORK.

- COLOR CODING SHALL BE PROVIDED THROUGHOUT THE ENTIRE NETWORK FOR SERVICE, FEEDER, BRANCH AND CONTROL CONDUCTORS. EACH PHASE SHALL BE AN INDEPENDENT COLOR. CONDUCTORS SHALL HAVE FACTORY IMPREGNATED COLOR THROUGHOUT THEIR ENTIRE LENGTH.
- ALL FUSED CONNECTIONS SHALL BE MADE IN THE POLE BASE. SPLICES IN JUNCTION BOXES OR PULL BOXES SHALL NOT BE FUSED.
- ALL CONDUITS SHALL BE BONDED IN A CONTINUOUS RUN FROM THE SOURCE BY A COPPER GROUNDING CONDUCTOR WITH SIZE AS NOTED ON PLANS. 10 FEET OF ADDITIONAL SLACK FOR EACH GROUND WIRE IN EACH JUNCTION WELL SHALL BE PROVIDED AND NEATLY COILED.
- ALL STATION, OFFSET AND DIMENSION INFORMATION SHOWN FOR PROPOSED LIGHTING STANDARDS IS TO THE CENTER OF THE PROPOSED POLE BASE.
- ALL PROPOSED ROADWAY LIGHTING CONDUITS (SERVICE RUNS) SHALL BE RIGID POLYVINYL CHLORIDE SCHEDULE 80 WHEN INSTALLED BY TRENCHING AND SCHEDULE 80 HDPE WHEN INSTALLED BY BORING, UNLESS OTHERWISE NOTED ON PLANS.

- (1) 3/4" DIAMETER BY 10' LONG GROUND ROD SHALL BE INSTALLED AT EACH LIGHTING STANDARD POLE BASE, AT EACH JUNCTION WELL, AND AT EACH NEW POLE SERVICE CONNECTION. THE GROUNDING CONDUCTORS FOR EACH RUN OF CIRCUITS SHALL BE CONNECTED TO THE GROUND ROD.
- IF ANY UTILITY IS DAMAGED THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND THE OWNER OF THE UTILITY IMMEDIATELY. ANY DAMAGE TO THE UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE UNDER THE DIRECTION OF THE UTILITY OWNER. UNDER NO CIRCUMSTANCE SHALL THE CONTRACTOR BACKFILL AN EXCAVATION OF AN IMPACTED UTILITY WITHOUT PERMISSION FROM THE UTILITY OWNER.
- THE CONTRACTOR SHALL CONTACT DELMARVA POWER TO COORDINATE WORK AT THE SERVICE DROPS. THE CONTRACTOR SHALL ARRANGE A MEETING WITH DELMARVA POWER, THE ENGINEER AND THE DELDOT TRAFFIC SECTION TO ENSURE THAT POWER IS AVAILABLE WHEN REQUIRED.



NOTE:
 1. PROVIDE POLE SERVICE IN ACCORDANCE WITH DELMARVA POWER REQUIREMENTS. SEE POLE SERVICE DETAIL ON DWG. LI-03. THE SERVICE RUN DISTANCE REFLECTS THE LENGTH OF PVC CONDUIT INSTALLED IN THE GROUND AS WELL AS UP THE POLE AS SHOWN IN THE DETAIL.

LIGHTING SERVICE SCHEDULE					
SERVICE RUN	# OF CONDUITS	SIZE	DISTANCE (L.F.)	DESCRIPTION	INSTALLATION
1	1	2.5"	14	(2)*6, (1)*6 GROUND	TRENCH
2	1	2.5"	16	(2)*6, (1)*6 GROUND	TRENCH
3	1	2.5"	19	(2)*6, (1)*6 GROUND	TRENCH
4	1	2.5"	5	(2)*6, (1)*6 GROUND	TRENCH
5	1	2.5"	24	(2)*6, (1)*6 GROUND	TRENCH
6	1	2.5"	49	(2)*6, (1)*6 GROUND	OPEN CUT
7	1	2.5"	8	(2)*6, (1)*6 GROUND	TRENCH
8	1	2.5"	38	(2)*6, (1)*6 GROUND	TRENCH
9	1	2.5"	41	(2)*6, (1)*6 GROUND	TRENCH
10	1	2.5"	20	(2)*6, (1)*6 GROUND	TRENCH
11	1	2.5"	48	(2)*6, (1)*6 GROUND	OPEN CUT
12	1	2.5"	20	(2)*6, (1)*6 GROUND	TRENCH
13	1	2.5"	55	(2)*6, (1)*6 GROUND	TRENCH
14	1	2.5"	19	(2)*6, (1)*6 GROUND	TRENCH
15	1	2.5"	45	(2)*6, (1)*6 GROUND	OPEN CUT
16	1	2.5"	55	(2)*6, (1)*6 GROUND	OPEN CUT
17	1	2.5"	13	(2)*6, (1)*6 GROUND	TRENCH
18	1	2.5"	50	(2)*6, (1)*6 GROUND	OPEN CUT
19	1	2.5"	8	(2)*6, (1)*6 GROUND	TRENCH

* DISTANCE CONTINUES ON ADJACENT PLAN SHEET.
 NOTE: SERVICE RUN DISTANCE REFLECTS CONDUIT LENGTH ONLY.

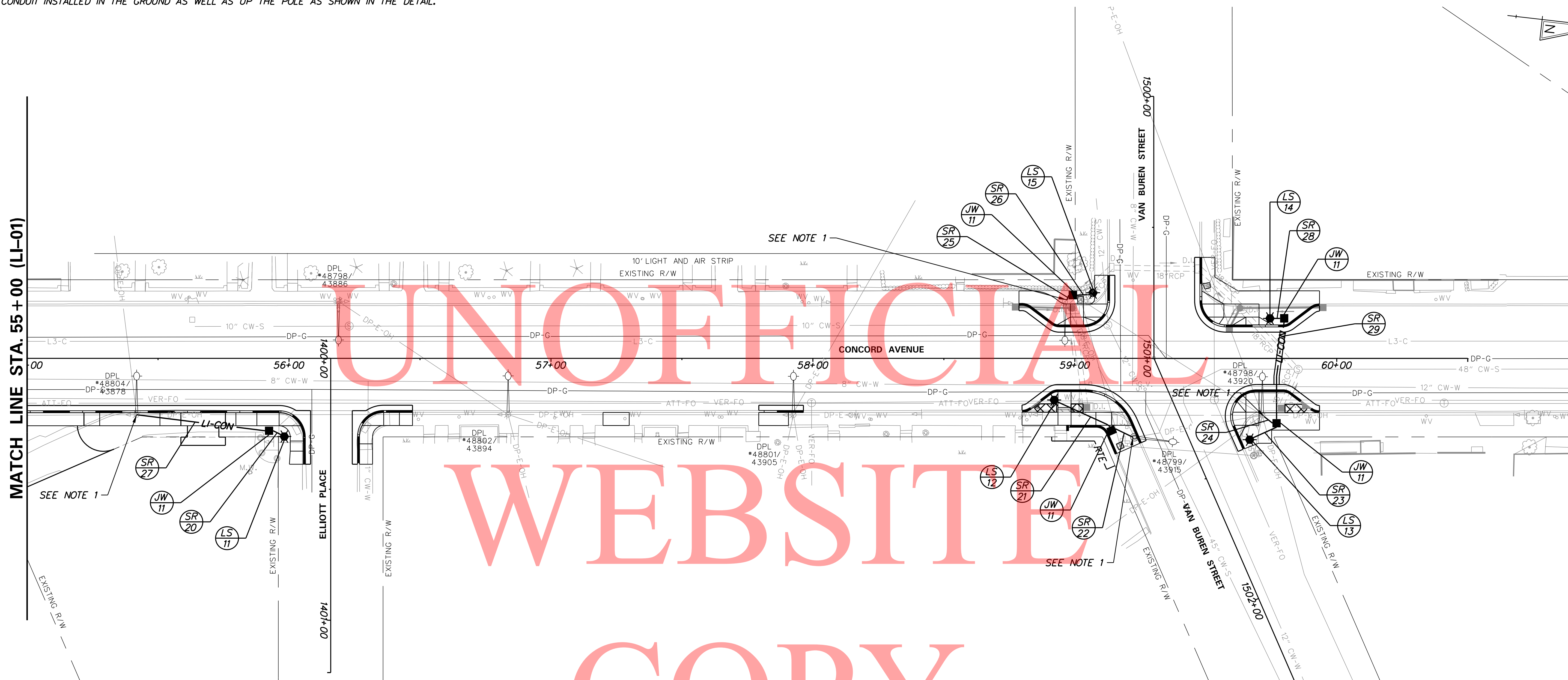
LIGHTING STANDARD SCHEDULE				
NO.	STATION	OFFSET	HEIGHT	LIGHT STANDARD
1	1100+66.2	24.1' RT.	12'	100 W LED DECORATIVE LIGHT
2	50+22.2	18.8' RT.	12'	100 W LED DECORATIVE LIGHT
3	51+6.1	16.8' LT.	12'	100 W LED DECORATIVE LIGHT
4	1101+48.0	11.5' LT.	12'	100 W LED DECORATIVE LIGHT
5	1200+67.6	22.9' RT.	12'	100 W LED DECORATIVE LIGHT
6	1200+91.0	23.2' LT.	12'	100 W LED DECORATIVE LIGHT
7	1302+58.5	20.4' LT.	12'	100 W LED DECORATIVE LIGHT
8	1201+42.0	15.7' RT.	12'	100 W LED DECORATIVE LIGHT
9	1303+12.2	20.0' RT.	12'	100 W LED DECORATIVE LIGHT
10	1201+60.5	25.6' LT.	12'	100 W LED DECORATIVE LIGHT

LIGHTING SYMBOL LEGEND	
SYMBOL	DESCRIPTION
	EXISTING DELMARVA POWER LEASED LIGHTING STANDARD ON WOOD UTILITY POLE
	PROPOSED DECORATIVE LANTERN STYLE LIGHT POLE AND LUMINAIRE
	PROPOSED LIGHTING JUNCTION WELL
	PROPOSED LIGHTING SERVICE RUN
	LIGHTING STANDARD IDENTIFIER (EXISTING AND PROPOSED)
	SERVICE RUN IDENTIFIER (EXISTING AND PROPOSED)
	LIGHTING JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)

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NOTE:

1. PROVIDE POLE SERVICE IN ACCORDANCE WITH DELMARVA POWER REQUIREMENTS. SEE POLE SERVICE DETAIL ON DWG. LI-03. THE SERVICE RUN DISTANCE REFLECTS THE LENGTH OF PVC CONDUIT INSTALLED IN THE GROUND AS WELL AS UP THE POLE AS SHOWN IN THE DETAIL.



UNOFFICIAL
WEBSITE
COPY

LIGHTING SYMBOL LEGEND

SYMBOL	DESCRIPTION
	EXISTING DELMARVA POWER LEASED LIGHTING STANDARD ON WOOD UTILITY POLE
	PROPOSED DECORATIVE LANTERN STYLE LIGHT POLE AND LUMINAIRE
	PROPOSED LIGHTING JUNCTION WELL
—LI-CON—	PROPOSED LIGHTING SERVICE RUN
	LIGHTING STANDARD IDENTIFIER (EXISTING AND PROPOSED)
	SERVICE RUN IDENTIFIER (EXISTING AND PROPOSED)
	LIGHTING JUNCTION WELL IDENTIFIER (TYPE) (EXISTING AND PROPOSED)

LIGHTING STANDARD SCHEDULE

NO.	STATION	OFFSET	HEIGHT	LIGHT STANDARD
11	1400+29.9	17.7' RT.	12'	100 W LED DECORATIVE LIGHT
12	58+92.1	15.9' RT.	12'	100 W LED DECORATIVE LIGHT
13	1501+43.1	21.1' LT.	12'	100 W LED DECORATIVE LIGHT
14	59+74.5	15.3' LT.	12'	100 W LED DECORATIVE LIGHT
15	1500+74.9	23.2' RT.	12'	100 W LED DECORATIVE LIGHT

LIGHTING SERVICE SCHEDULE

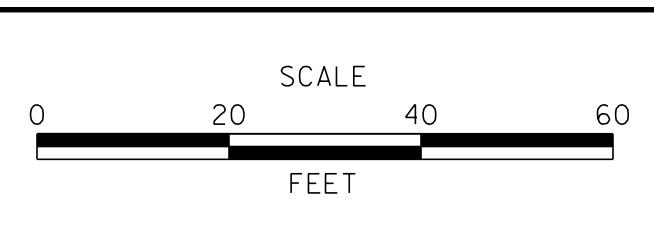
SERVICE RUN	# OF CONDUITS	SIZE	DISTANCE (L.F.)	DESCRIPTION	INSTALLATION
20	1	2.5"	7	(2)*6, (1)*6 GROUND	TRENCH
21	1	2.5"	26	(2)*6, (1)*6 GROUND	TRENCH
22	1	2.5"	10	(2)*6, (1)*6 GROUND	TRENCH
23	1	2.5"	13	(2)*6, (1)*6 GROUND	TRENCH
24	1	2.5"	17	(2)*6, (1)*6 GROUND	TRENCH
25	1	2.5"	14	(2)*6, (1)*6 GROUND	TRENCH
26	1	2.5"	8	(2)*6, (1)*6 GROUND	TRENCH
27	1	2.5"	61	(2)*6, (1)*6 GROUND	TRENCH
28	1	2.5"	6	(2)*6, (1)*6 GROUND	TRENCH
29	1	2.5"	41	(2)*6, (1)*6 GROUND	OPEN CUT

* DISTANCE CONTINUES ON ADJACENT PLAN SHEET.
NOTE: SERVICE RUN DISTANCE REFLECTS CONDUIT LENGTH ONLY.

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ADDENDUMS / REVISIONS

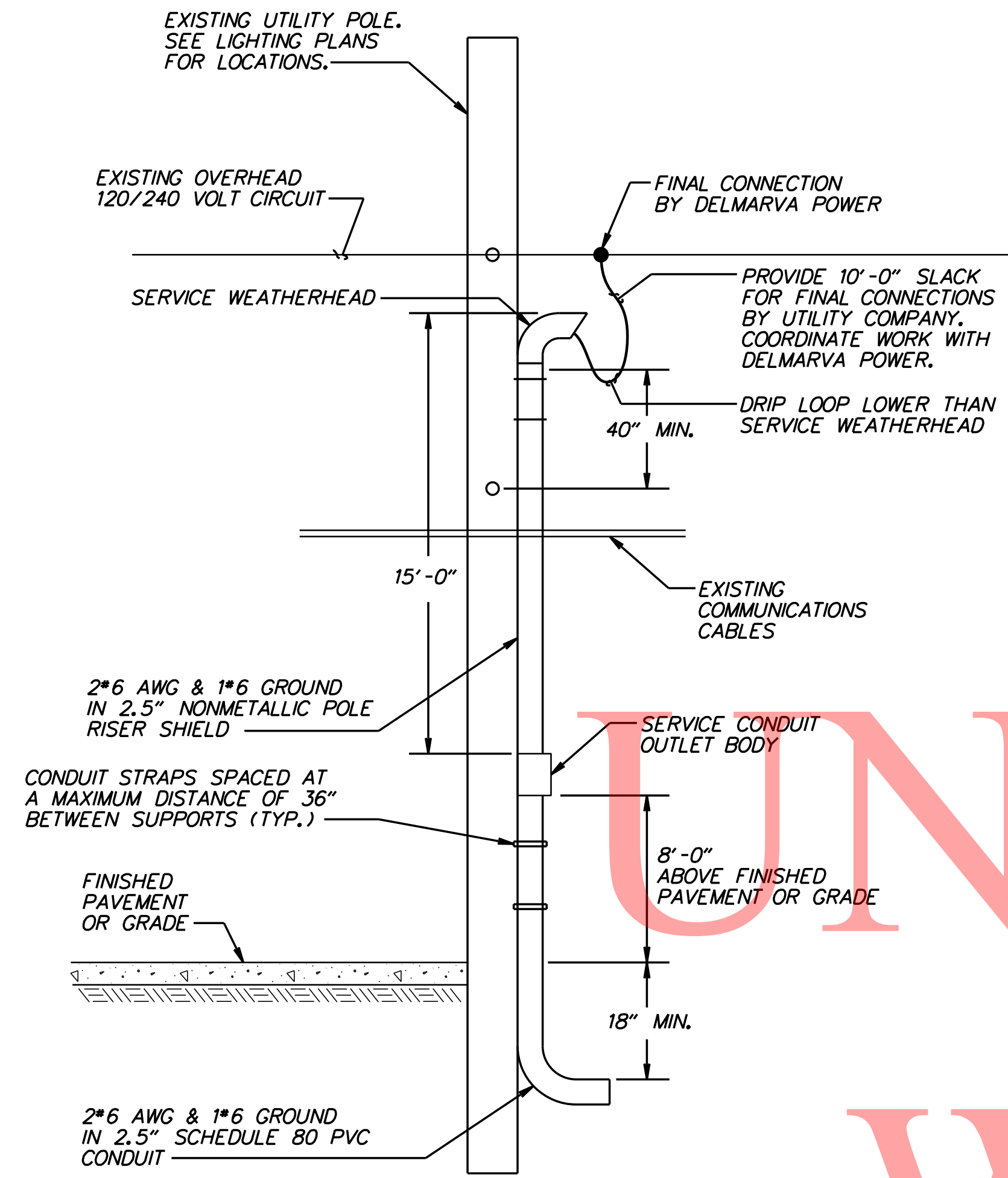


CONCORD AVENUE STREETScape IMPROVEMENTS, PHASE 2

CONTRACT T201620002	BRIDGE NO. N/A
COUNTY NEW CASTLE	DESIGNED BY: S.M.D. CHECKED BY: J.D.C.

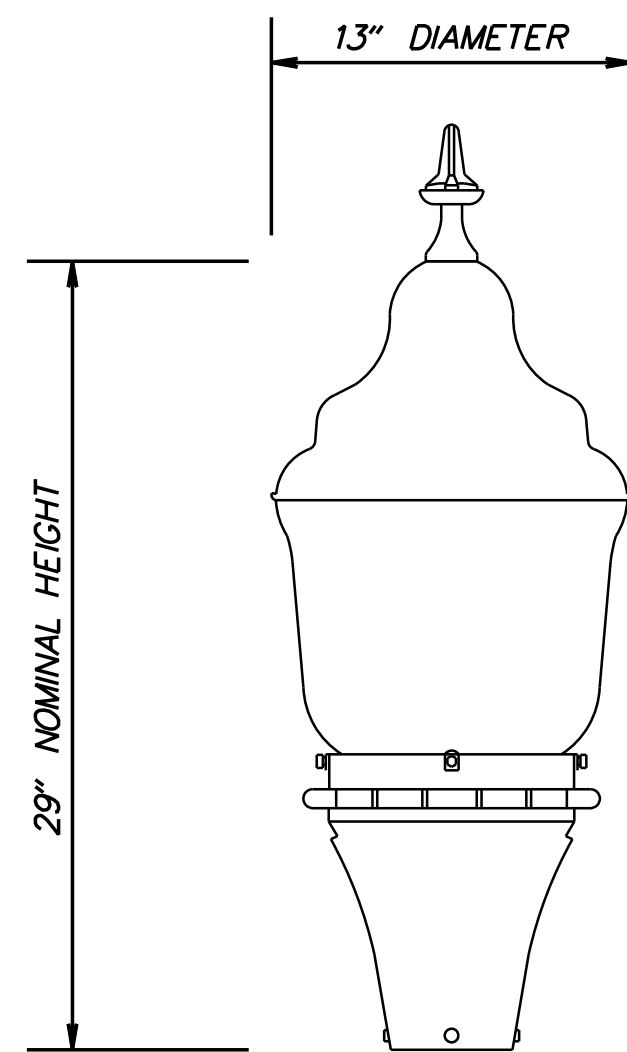
LIGHTING PLAN

LI-02
SHEET NO. 40
TOTAL SHTS. 47

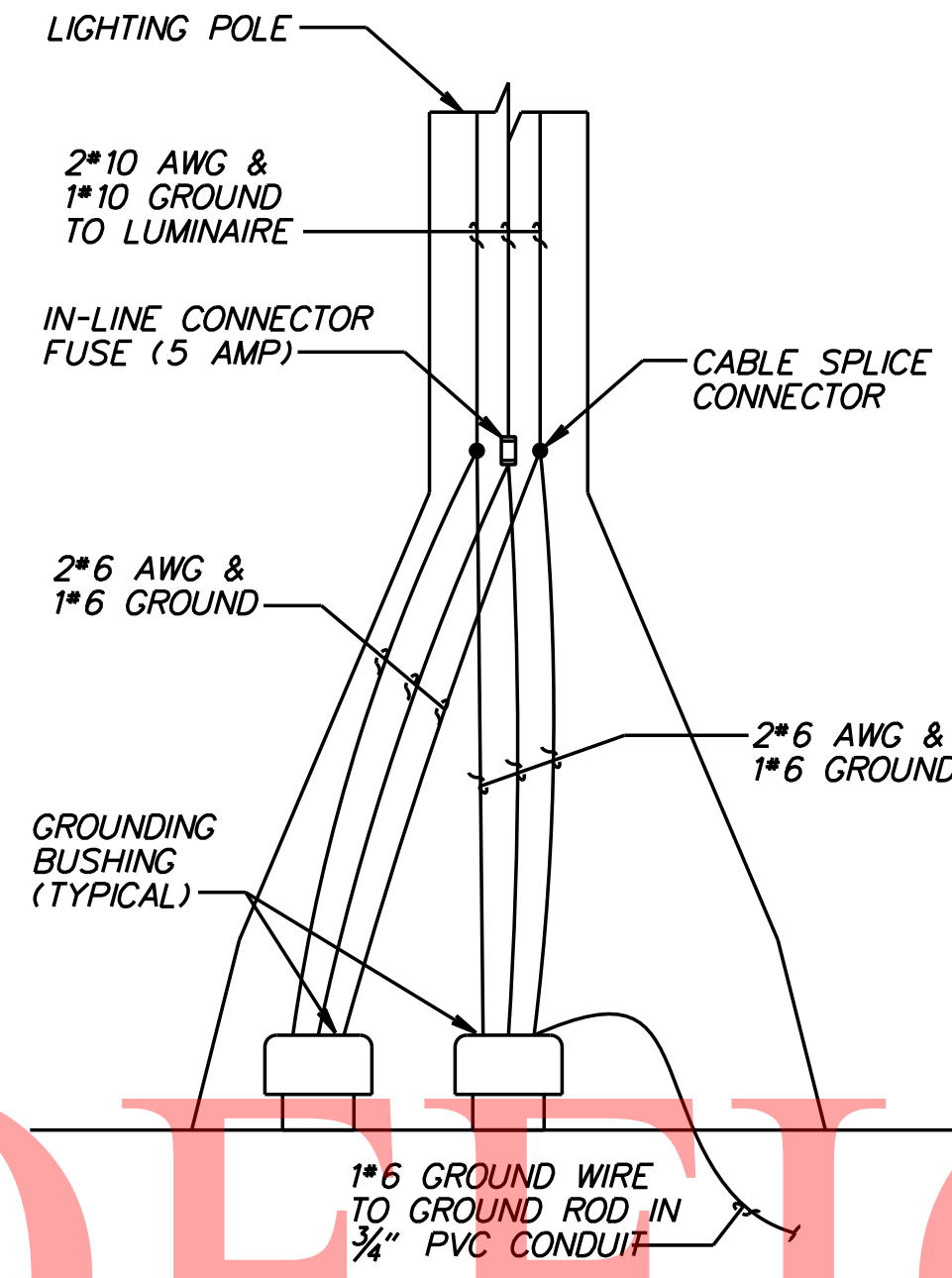


POLE SERVICE DETAIL
N.T.S.

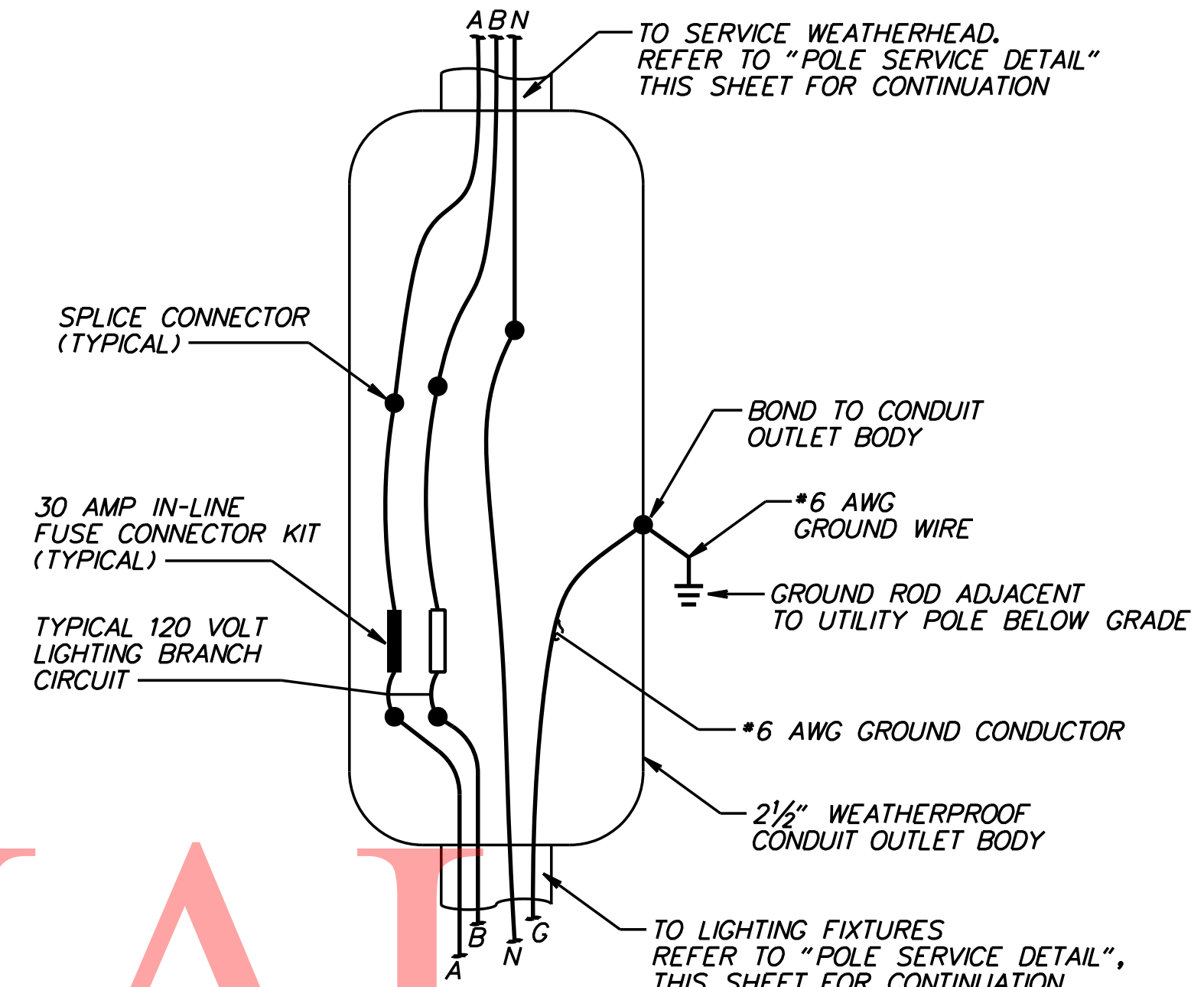
NOTE:
1. SERVICE WEATHERHEAD SHALL BE PAID UNDER ITEM 841001 - FURNISH & INSTALL WEATHERHEAD, UP TO 3", ON STEEL POLE.



DECORATIVE LUMINAIRE DETAIL
N.T.S.



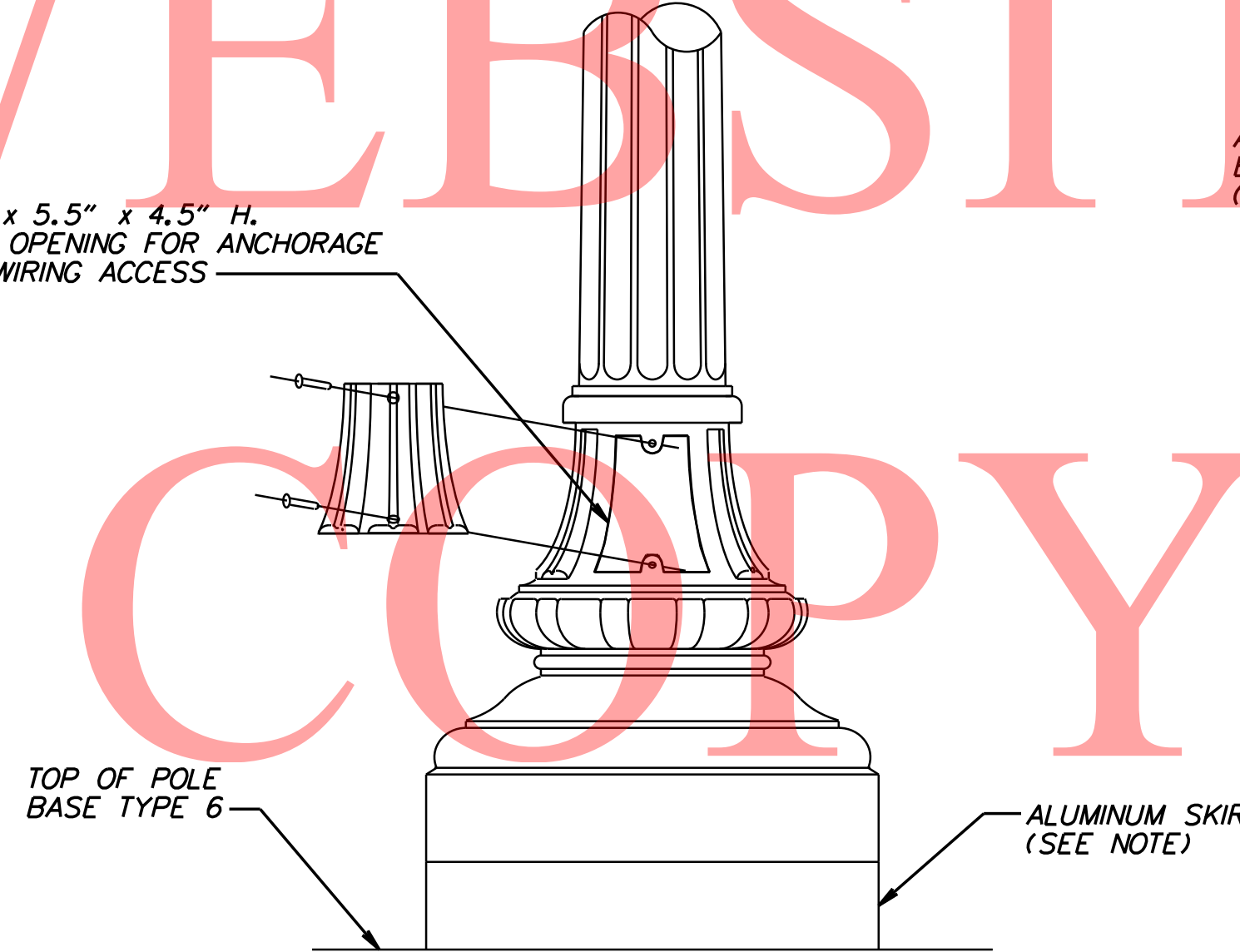
FIXTURE CONNECTION DETAIL
N.T.S.



SERVICE CONDUIT OUTLET BODY DETAIL
N.T.S.

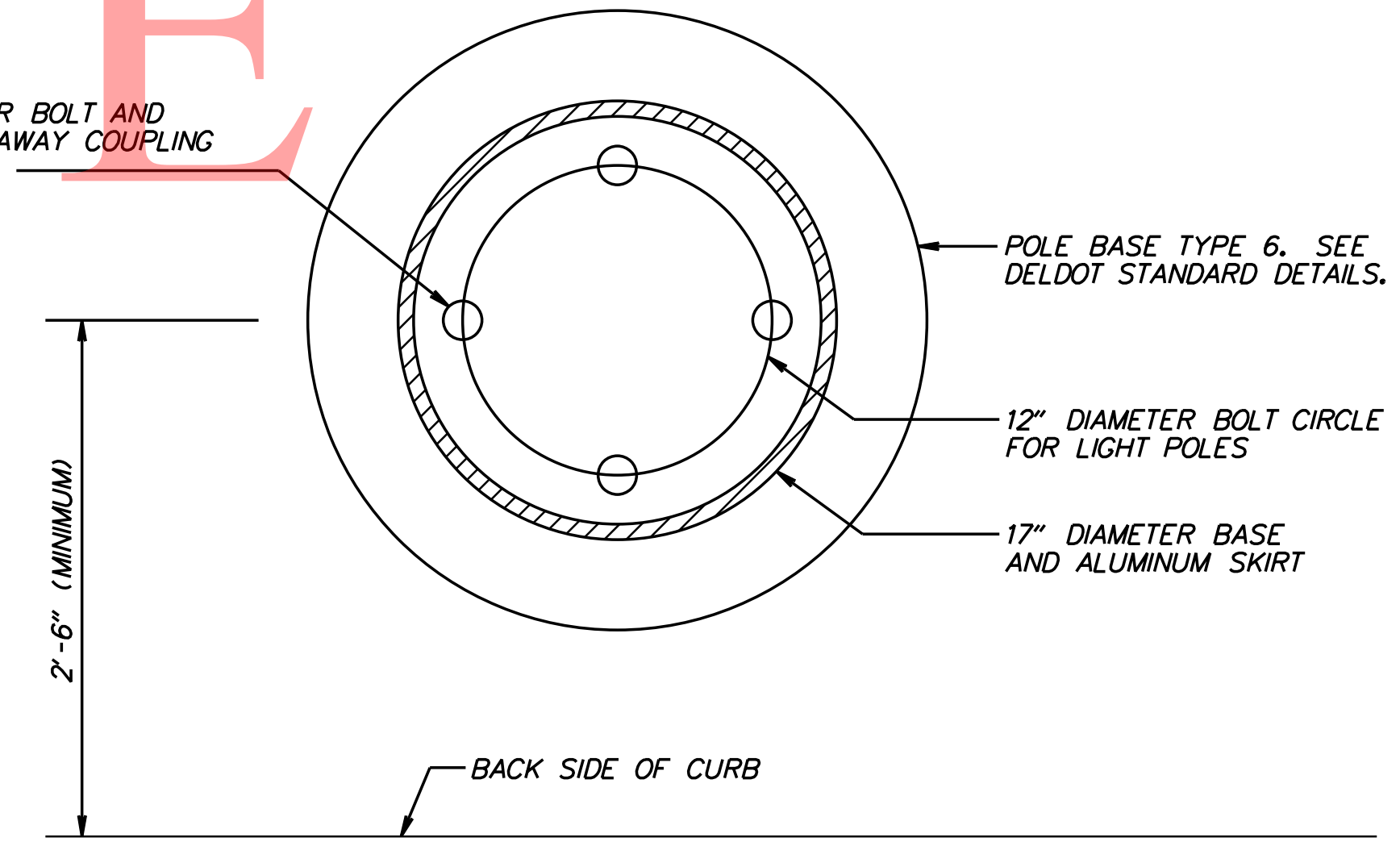
NOTE:
1. GENERIC WIRING DIAGRAM SHOWN. THE CONTRACTOR SHALL COORDINATE WITH DELMARVA POWER TO DETERMINE THE NUMBER AND VOLTAGE OF OVERHEAD LIGHTING CIRCUITS AVAILABLE TO PROVIDE POWER FOR DECORATIVE LIGHT POLES. THE CONTRACTOR SHALL INSTALL FOUR CONDUCTORS TO PROVIDE TWO HOTS, ONE NEUTRAL AND ONE GROUND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

3.5" x 5.5" x 4.5" H. DOOR OPENING FOR ANCHORAGE AND WIRING ACCESS



POLE BASE PEDESTAL DETAIL
N.T.S.

NOTE:
1. AN ALUMINUM SKIRT, OF THE SAME COLOR AS THE POLE, SHALL BE INSTALLED TO COVER THE GAP BETWEEN THE BOTTOM OF THE LIGHT POLE BASE AND THE TOP OF THE LIGHT POLE FOUNDATION CREATED BY THE BREAKAWAY COUPLINGS.



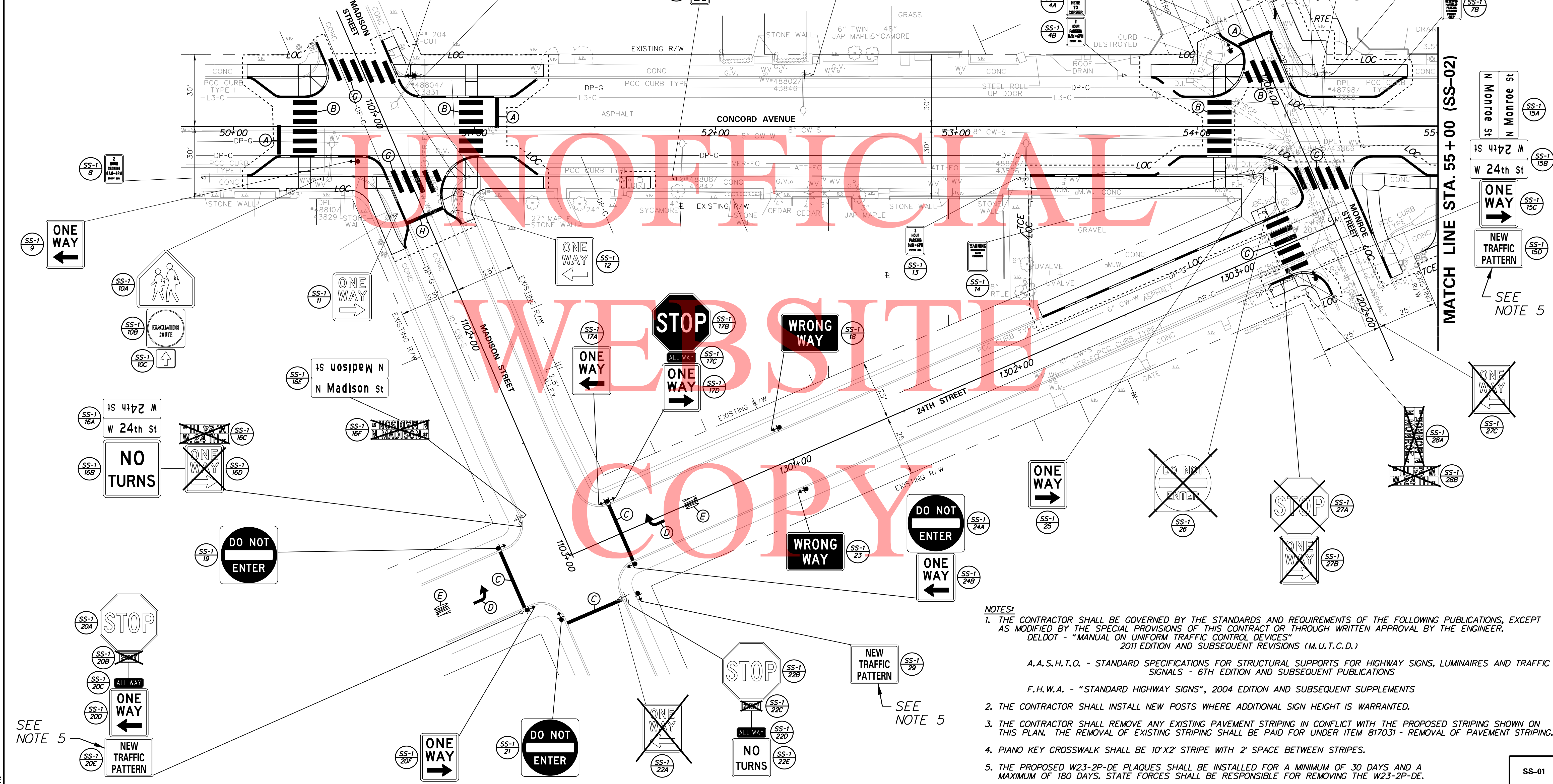
POLE BASE PLAN
N.T.S.

NOTE:
1. SEE LIGHTING PLAN SHEETS FOR LOCATIONS.

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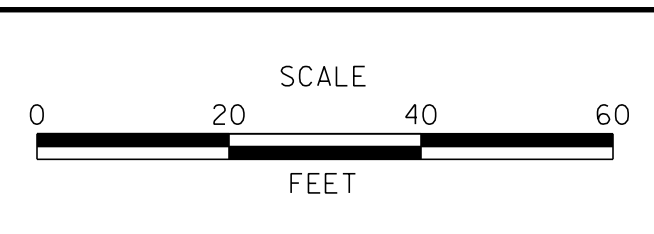
PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	16" STOP LINE, TEMPORARY MARKINGS, PAINT, SYMBOL, WHITE (ITEM 817004)	51 SF
(B)	10' X 2' CROSSWALK, TEMPORARY MARKINGS, PAINT, SYMBOL, WHITE (ITEM 817004)	430 SF
(C)	16" PERMANENT PAVEMENT STRIPING, SYMBOL, ALKYD-THERMOPLASTIC, WHITE (ITEM 817002)	101 SF
(D)	ARROW, PERMANENT PAVEMENT STRIPING, SYMBOL, ALKYD-THERMOPLASTIC, WHITE (ITEM 817002)	32 SF
(E)	"ONLY", PERMANENT PAVEMENT STRIPING, LEGEND, ALKYD-THERMOPLASTIC, WHITE (ITEM 817002)	25 SF
(F)	10' X 2' PERMANENT PAVEMENT STRIPING, SYMBOL, ALKYD-THERMOPLASTIC, WHITE (ITEM 817002)	120 SF

PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(G)	10' X 2' RETROREFLECTIVE PREFORMED PATTERNED SYMBOL/LEGEND (ITEM 817012)	430 SF
(H)	RETROREFLECTIVE PREFORMED PATTERNED SYMBOL/LEGEND, 16" WHITE (ITEM 817012)	22 SF



- NOTES:**
- THE CONTRACTOR SHALL BE GOVERNED BY THE STANDARDS AND REQUIREMENTS OF THE FOLLOWING PUBLICATIONS, EXCEPT AS MODIFIED BY THE SPECIAL PROVISIONS OF THIS CONTRACT OR THROUGH WRITTEN APPROVAL BY THE ENGINEER.
 DELDOT - "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES"
 2011 EDITION AND SUBSEQUENT REVISIONS (M.U.T.C.D.)
 A.A.S.H.T.O. - STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS - 6TH EDITION AND SUBSEQUENT PUBLICATIONS
 F.H.W.A. - "STANDARD HIGHWAY SIGNS", 2004 EDITION AND SUBSEQUENT SUPPLEMENTS
 - THE CONTRACTOR SHALL INSTALL NEW POSTS WHERE ADDITIONAL SIGN HEIGHT IS WARRANTED.
 - THE CONTRACTOR SHALL REMOVE ANY EXISTING PAVEMENT STRIPING IN CONFLICT WITH THE PROPOSED STRIPING SHOWN ON THIS PLAN. THE REMOVAL OF EXISTING STRIPING SHALL BE PAID FOR UNDER ITEM 817031 - REMOVAL OF PAVEMENT STRIPING.
 - PIANO KEY CROSSWALK SHALL BE 10' X 2' STRIPE WITH 2' SPACE BETWEEN STRIPES.
 - THE PROPOSED W23-2P-DE PLAQUES SHALL BE INSTALLED FOR A MINIMUM OF 30 DAYS AND A MAXIMUM OF 180 DAYS. STATE FORCES SHALL BE RESPONSIBLE FOR REMOVING THE W23-2P-DE.

ADDENDUMS / REVISIONS	



CONTRACT T201620002	BRIDGE NO. NA
COUNTY NEW CASTLE	DESIGNED BY: D.C.G.
	CHECKED BY: T.A.O.

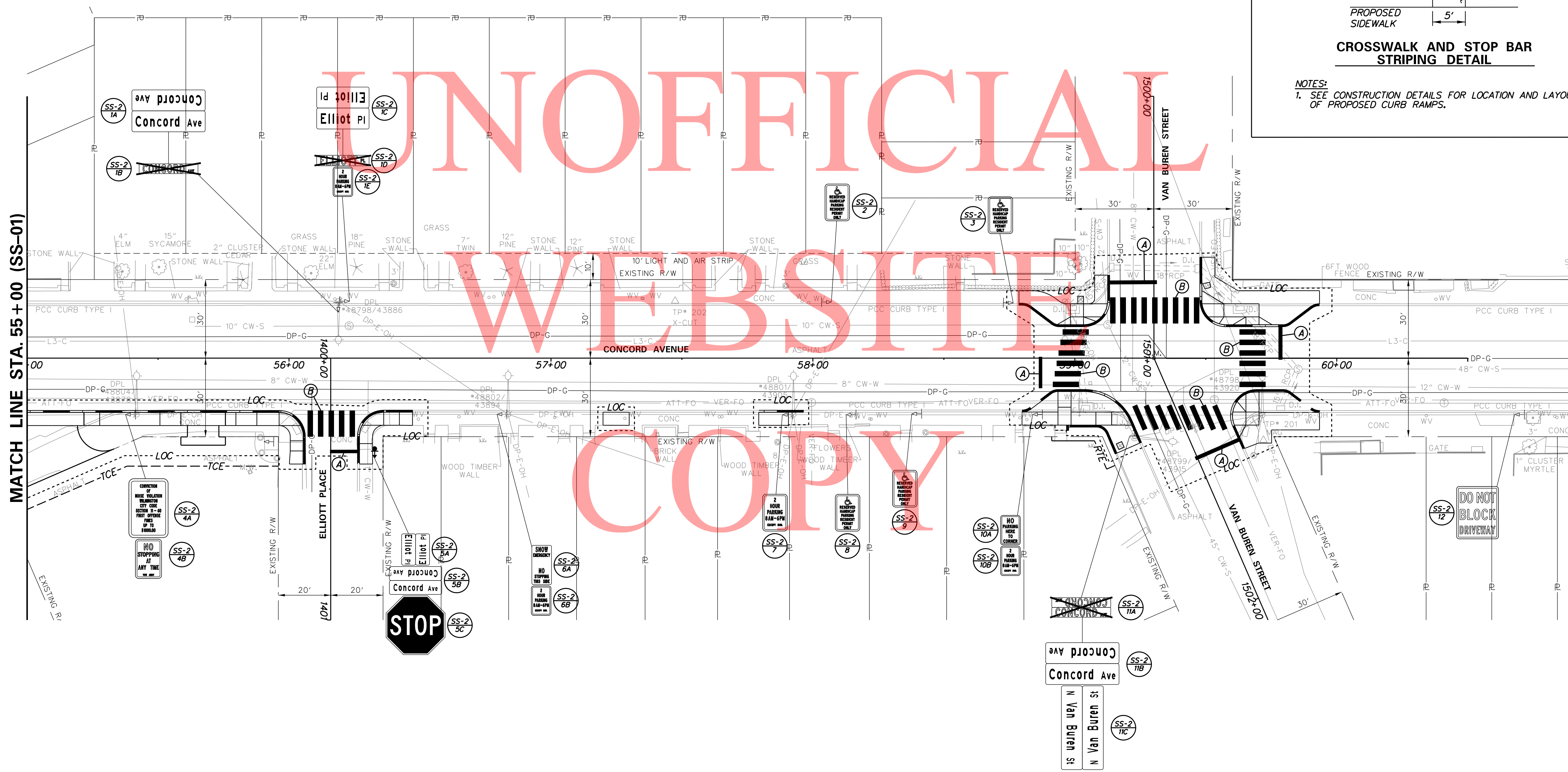
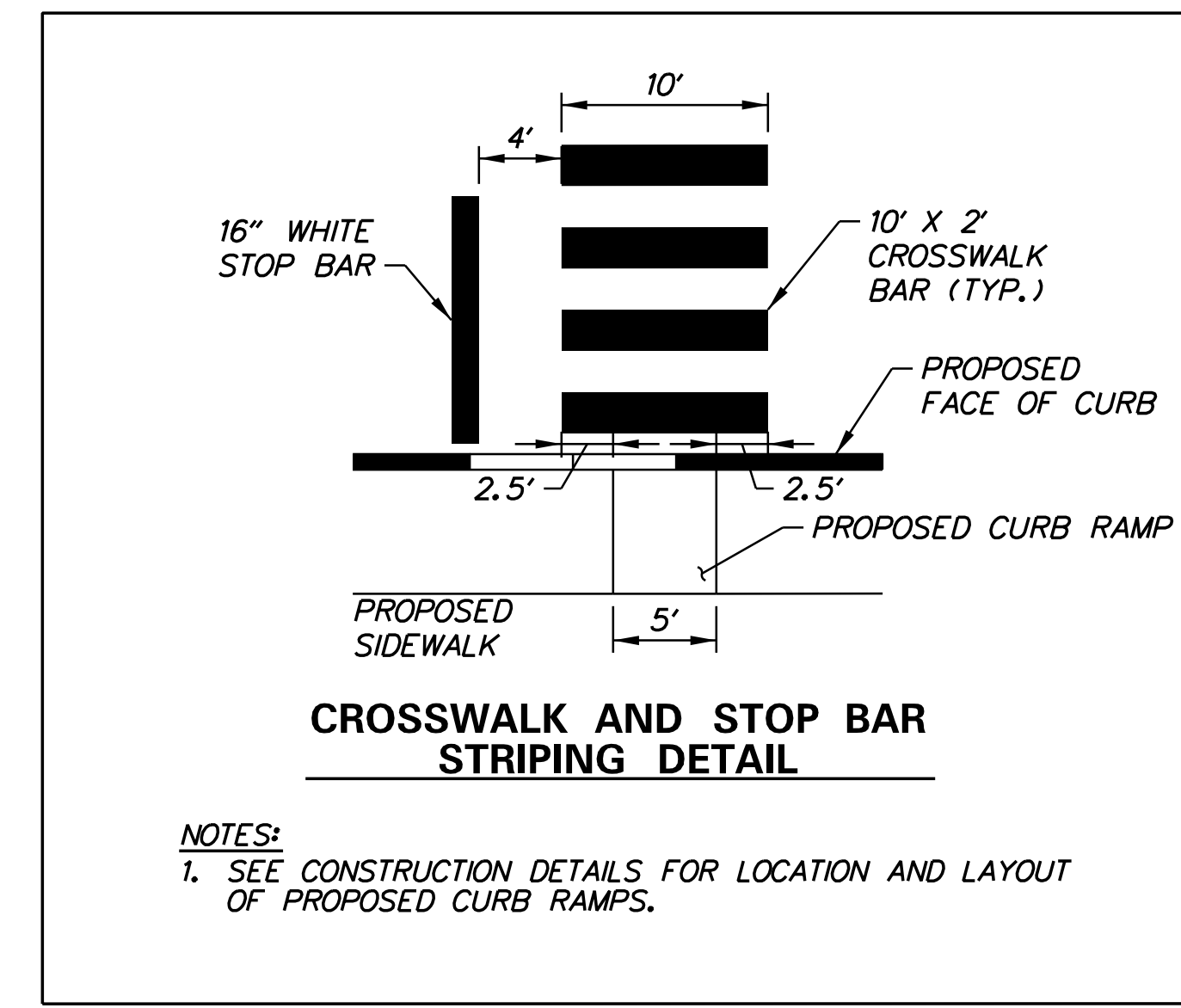
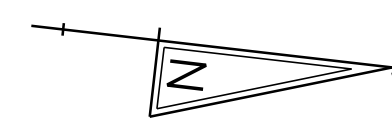
SIGNING AND STRIPING PLAN	SHEET NO. 42
	TOTAL SHTS. 47

10/13/2014 09:15:40 SS01 - COAV.dgn
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PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND, ALKYD-THERMOPLASTIC, 16" WHITE (ITEM 817002)	95 SF
(B)	10' X2' PERMANENT PAVEMENT STRIPING, SYMBOL/LEGEND, ALKYD-THERMOPLASTIC (ITEM 817002)	680 SF

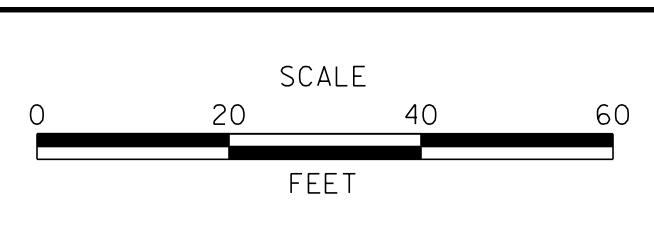
NOTES:

- THE CONTRACTOR SHALL BE GOVERNED BY THE STANDARDS AND REQUIREMENTS OF THE FOLLOWING PUBLICATIONS, EXCEPT AS MODIFIED BY THE SPECIAL PROVISIONS OF THIS CONTRACT OR THROUGH WRITTEN APPROVAL BY THE ENGINEER.
 DELDOT - "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" 2011 EDITION AND SUBSEQUENT REVISIONS (M.U.T.C.D.)
 A.A.S.H.T.O. - STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS - 6TH EDITION AND SUBSEQUENT PUBLICATIONS
 F.H.W.A. - "STANDARD HIGHWAY SIGNS", 2004 EDITION AND SUBSEQUENT SUPPLEMENTS
- THE CONTRACTOR SHALL INSTALL NEW POSTS WHERE ADDITIONAL SIGN HEIGHT IS WARRANTED.
- THE CONTRACTOR SHALL REMOVE ANY EXISTING PAVEMENT STRIPING IN CONFLICT WITH THE PROPOSED STRIPING SHOWN ON THIS PLAN. THE REMOVAL OF EXISTING STRIPING SHALL BE PAID FOR UNDER ITEM 817031 - REMOVAL OF PAVEMENT STRIPING.
- PIANO KEY CROSSWALK SHALL BE 10'X2' STRIPE WITH 2' SPACE BETWEEN STRIPES.



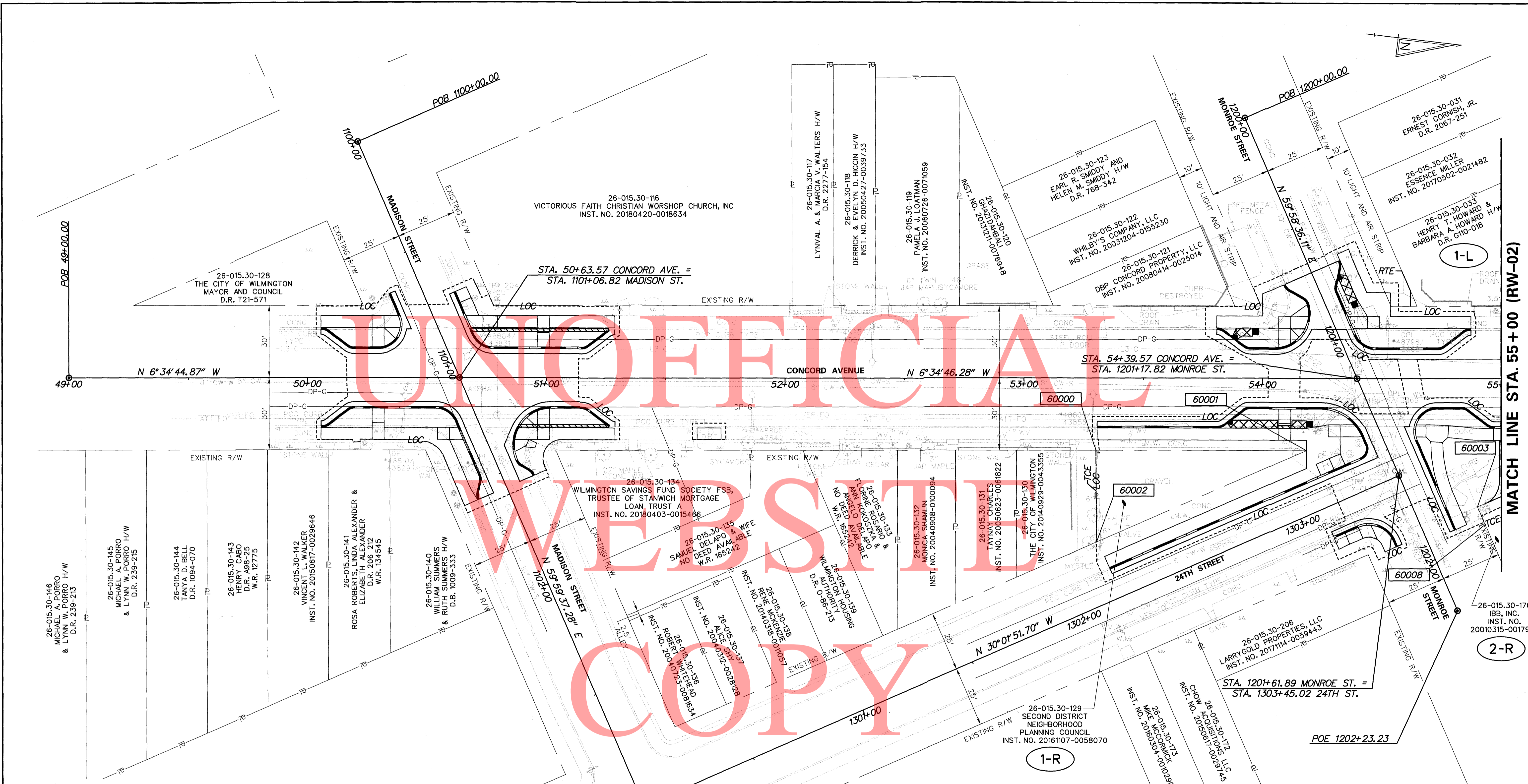
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ADDENDUMS / REVISIONS



CONTRACT	T201620002	BRIDGE NO.	N/A
COUNTY	NEW CASTLE	DESIGNED BY:	D.C.G.
		CHECKED BY:	T.A.O.

SS-02	
SHEET NO.	43
TOTAL SHTS.	47



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RECOMMENDED AS TO ENGINEERING NEED

Michael A. Porro 12/3/18
 MANAGER, ROW ENGINEERING DATE

Shekhar Chaudhry 12/3/18
 PROGRAM MANAGER, TEAM SUPPORT DATE

Bruce Casanova / Kelly A. Kelly 12/3/18
 TECHNICAL REVIEWER, TEAM SUPPORT DATE

PREPARED BY
 THE CONSULTING FIRM OF
WRA
 Whitman, Requardt & Associates, LLP

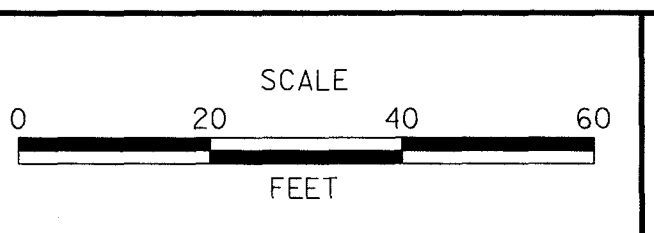
SEAL
Todd A. Oliver 11/29/18
 RECOMMENDED DATE



NOTES:

1. WHERE A RIGHT TO ENTER (RTE) LINE IS DESIGNATED ON THE PLANS, IT INDICATES LOCATIONS WHERE THE DEPARTMENT ALREADY HAS THE RIGHT UNDER DELAWARE CODE TO ENTER ONTO PRIVATE PROPERTY TO MAINTAIN, REPAIR OR RECONSTRUCT FACILITIES USED BY THE PUBLIC AND MAINTAINED AT PUBLIC EXPENSE.

ADDENDUMS / REVISIONS

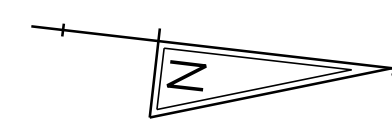


CONCORD AVENUE STREETScape IMPROVEMENTS, PHASE 2

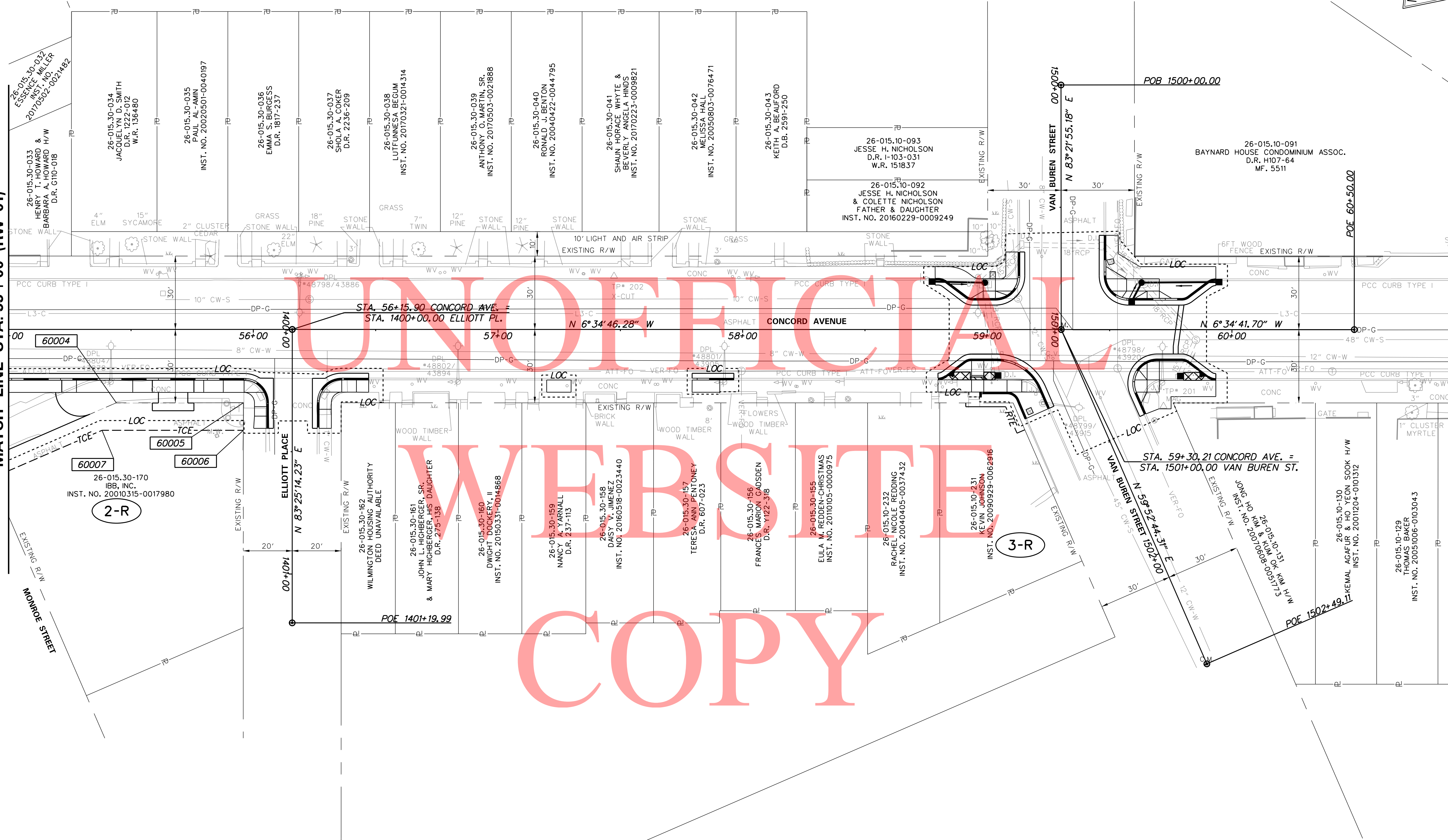
CONTRACT	T201620002
COUNTY	NEW CASTLE
BRIDGE NO.	N/A
DESIGNED BY:	V.A.K.
CHECKED BY:	T.A.O.

RIGHT-OF-WAY PLAN	
SHEET NO.	45
TOTAL SHTS.	47

11/29/2018 11:25:20 AM 332515 PW



MATCH LINE STA. 55+00 (RW-01)



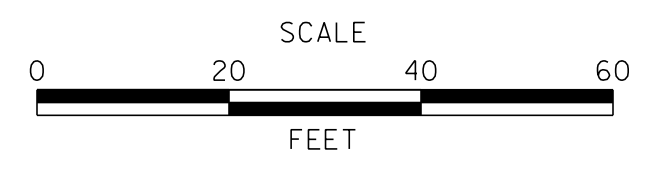
NOTES:

- WHERE A RIGHT TO ENTER (RTE) LINE IS DESIGNATED ON THE PLANS, IT INDICATES LOCATIONS WHERE THE DEPARTMENT ALREADY HAS THE RIGHT UNDER DELAWARE CODE TO ENTER ONTO PRIVATE PROPERTY TO MAINTAIN, REPAIR OR RECONSTRUCT FACILITIES USED BY THE PUBLIC AND MAINTAINED AT PUBLIC EXPENSE.

NO. 182014-01015 CAD RW02_COAV.dgn 2/10/2016 7:55:17 AM



ADDENDUMS / REVISIONS	



CONCORD AVENUE STREETScape IMPROVEMENTS, PHASE 2

CONTRACT T201620002	BRIDGE NO. N/A
COUNTY NEW CASTLE	DESIGNED BY: V.A.K.
	CHECKED BY: T.A.O.

RIGHT-OF-WAY PLAN

RW-02
SHEET NO. 46
TOTAL SHTS. 47

ASSESSMENT NUMBER	OWNERSHIP OF RECORD					TYPE OF ACQUISITION	TITLE SOURCE	PARCEL AREA (ACRES)			
26-015.30-129	(1-R) SECOND DISTRICT NEIGHBORHOOD PLANNING COUNCIL					TCE	20161107-0058070	0.039			
ALIGNMENT NUMBER & DESCRIPTION:											
PT. NO.	ALIGN. NO.	STATION	OFFSET *	NORTH	EAST	BEARING	DISTANCE	CHORD BEARING	CHORD LENGTH	ARC LENGTH	RADIUS **
60000	Concord Ave	53+30.12	30.00	640531.9851	621005.4404	N 6°34'46.28" W	88.24				
60001	Concord Ave	54+18.36	30.00	640619.6440	620995.3297	S 30°01'51.70" E	95.94				
60002	Concord Ave	53+30.34	68.18	640536.5846	621043.3440	S 83°04'52.00" W	38.18				
60000	Concord Ave	53+30.12	30.00	640531.9851	621005.4404						
FIGURE 1 AREA = 1684,5443 SQ. FT. (0.0387 ACRES)											
ASSESSMENT NUMBER	OWNERSHIP OF RECORD					TYPE OF ACQUISITION	TITLE SOURCE	PARCEL AREA (ACRES)			
26-015.30-170	(2-R) IBB, INC.					TCE	20010315-0017980	0.210			
ALIGNMENT NUMBER & DESCRIPTION:											
PT. NO.	ALIGN. NO.	STATION	OFFSET *	NORTH	EAST	BEARING	DISTANCE	CHORD BEARING	CHORD LENGTH	ARC LENGTH	RADIUS **
60003	Concord Ave	54+89.99	53.43	640693.4903	621010.3942	N 30°01'51.70" W	58.87				
60004	Concord Ave	55+43.99	30.00	640744.4532	620980.9339	N 6°34'46.28" W	51.91				
60005	Concord Ave	55+95.90	30.00	640796.0199	620974.9862	N 83°25'14.00" E	11.25				
60006	Concord Ave	55+95.90	41.25	640797.3089	620986.1621	S 6°34'46.28" E	57.74				
60007	Concord Ave	55+38.16	41.25	640739.9493	620992.7780	S 30°01'51.70" E	49.04				
60008	Concord Ave	54+93.17	60.77	640697.4931	621017.3208	S 59°58'36.11" W	8.00				
60003	Concord Ave	54+89.99	53.43	640693.4903	621010.3942						
FIGURE 2 AREA = 1048,3919 SQ. FT. (0.0241 ACRES)											

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COUNTY ASSESSMENT PARCEL NUMBER	PLAN SHEET NUMBER	OWNERSHIP OF RECORD	TITLE SOURCE	PROPERTY AREA BEFORE ACQUISITION (ACRE) D=DEED C=CALCULATED A=ASSESSMENT	ACQUISITION CODE FEE, R/W, P/E, TCE	AREA TO BE ACQUIRED		PROPERTY AREA REMAINING (SQ. FEET / ACRES)	DEED RECORD OF ACQUISITION	REMARKS
						ACQUISITION (SQ. FEET / ACRES)	EASEMENT AREA OCCUPIED BY EXISTING RIGHT OF WAY (SQ. FEET / ACRES)			
26-015.30-129	RW-01	(1-R) SECOND DISTRICT NEIGHBORHOOD PLANNING COUNCIL	20161107-0058070	C - 0.04	TCE		1684.5443 / 0.04	1684.54 / 0.04		
26-015.30-170	RW-01/RW-02	(2-R) IBB, INC.	20010315-0017980	C - 0.21	TCE		1048.3919 / 0.02	9147.2758 / 0.21		

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



ADDENDUMS / REVISIONS

NOT TO SCALE

CONCORD AVENUE STREETScape IMPROVEMENTS, PHASE 2

CONTRACT T201620002	BRIDGE NO. N/A
COUNTY NEW CASTLE	DESIGNED BY: V.A.K.
	CHECKED BY: T.A.O.

RIGHT-OF-WAY DATA AND TABULATION SHEET	RW-03
	SHEET NO. 47
	TOTAL SHTS. 47

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