

GENERAL LOCATION OF CONTRACT

# THE STATE OF DELAWARE DEPARTMENT OF TRANSPORTATION

U.S. CUSTOMARY  
UNITS



CONSTRUCTION PLANS FOR:

## SR 273 SIDEWALK, OLD BALTIMORE PIKE TO EAGLE RUN ROAD

CONTRACT NUMBER: T201500701  
 FEDERAL AID PROJECT NUMBER: ESTP-2015(13)  
 COUNTY: NEW CASTLE M.R. #: N3

DESIGN DESIGNATION		
FUNCTIONAL CLASS: PRINCIPAL ARTERIAL	D.H.V. PROJECTED: N/A	YEAR: N/A
TYPE OF CONSTRUCTION: PEDESTRIAN	DESIGN SPEED: 55 M.P.H.	
A.A.D.T. CURRENT: 35,813	YEAR: 2014	TRUCKS: N/A %
A.A.D.T. PROJECTED: N/A	YEAR: N/A	DIRECTION OF DISTRIBUTION: N/A %

INDEX OF SHEETS	
SHEET NO	TABLE OF CONTENTS
1	TITLE SHEET
2	PLAN SHEET INDEX
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4	NOTES
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20-29	CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLANS
30-34	SIGNING, STRIPING AND CONDUIT PLANS

TOTAL SHEETS: 34

### APPROVED DESIGN EXCEPTIONS

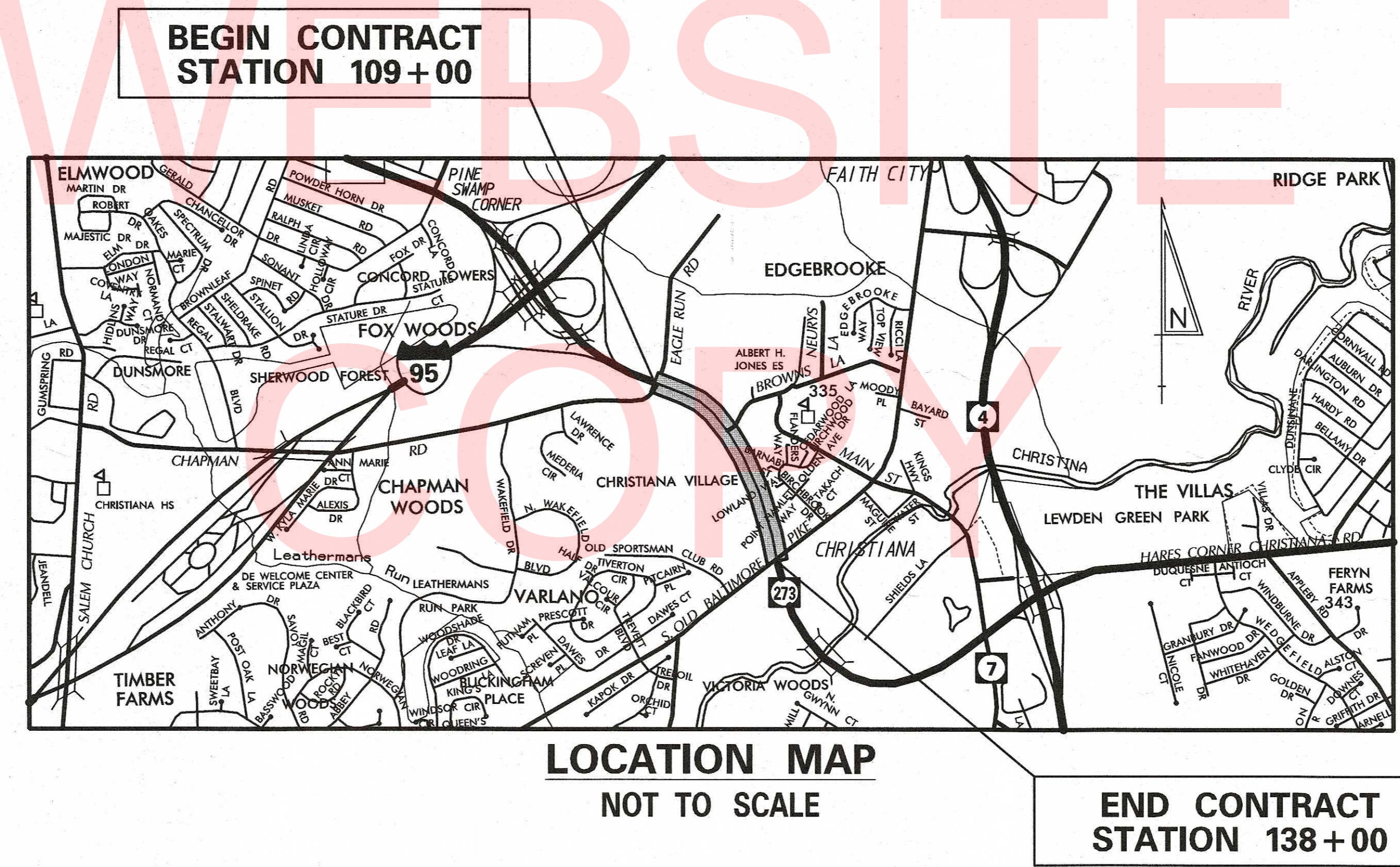
DESIGN PARAMETER	REQUIRED	PROVIDED	DATE

### ADDENDA & REVISIONS

DESCRIPTION	NAME & DATE

### ASSOCIATED CONTRACTS

CONTRACT NO.	CONTRACT NAME
79-011-07	CHRISTIANA BYPASS
23-041-02	SR 273 - CHRISTIANA BYPASS, CHAPMAN ROAD TO SR 7
75-10-001	CHRISTIANA BYPASS, RIGHT OF WAY PLANS



LOCATION MAP  
NOT TO SCALE

END CONTRACT  
STATION 138+00

PREPARED BY  
THE CONSULTING FIRM OF

**Whitman, Requardt & Associates, LLP**  
Three Mill Road, Suite 309, Wilmington, Delaware 19806

*Tom A. O...*  
RECOMMENDED

10/03/2017  
DATE

SEAL

RECOMMENDED

*Edward C. Fisher* 1-18-18  
SQUAD MANAGER, CONSTRUCTION DATE

*Christopher Costello* 1/10/18  
GROUP ENGINEER, CONSTRUCTION DATE

*John A. ...* 2/16/18  
ASSISTANT DIRECTOR, TRANSPORTATION SOLUTIONS (CONSTRUCTION) DATE

RECOMMENDED

*Vincent W. Davis*  
STORMWATER ENGINEER

DATE 15 FEB 2018

SEAL

RECOMMENDED

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

DATE \_\_\_\_\_

SEAL

RECOMMENDED

\_\_\_\_\_  
BRIDGE DESIGN ENGINEER

DATE \_\_\_\_\_

SEAL

RECOMMENDED

*Adam S. Weiser*  
SAFETY PROGRAMS MANAGER, TRAFFIC

DATE Dec 21, 2017

SEAL

RECOMMENDED

*Neil ...*  
ASSISTANT DIRECTOR, TRANSPORTATION SOLUTIONS

DATE 1/22/17

SEAL

APPROVED

*Robert Brian McClary*  
CHIEF ENGINEER

DATE 2/26/18

SEAL

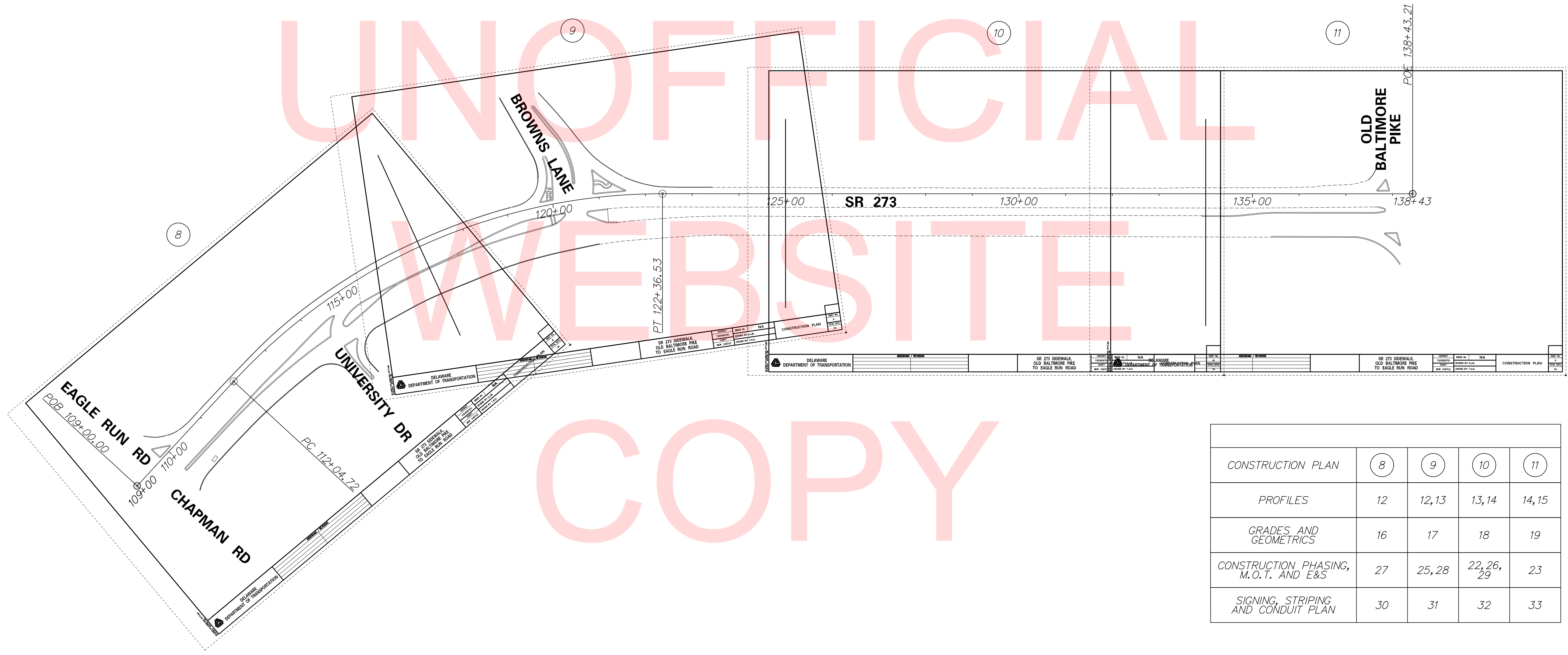
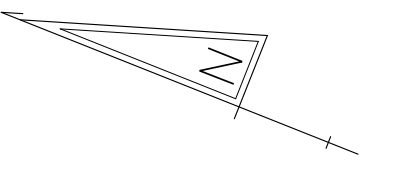
RECOMMENDED

*Robert Brian McClary*  
PROFESSIONAL ENGINEER

DATE \_\_\_\_\_

SEAL

LAST REVISED: 8/7/2008  
NEWCASTLE-CADD-TC01-S273.DGN

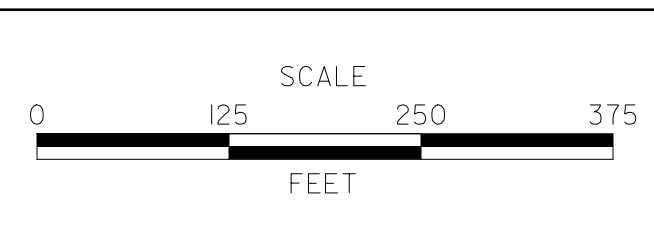


CONSTRUCTION PLAN	8	9	10	11
PROFILES	12	12,13	13,14	14,15
GRADES AND GEOMETRICS	16	17	18	19
CONSTRUCTION PHASING, M.O.T. AND E&S	27	25,28	22,26,29	23
SIGNING, STRIPING AND CONDUIT PLAN	30	31	32	33

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ADDENDUMS / REVISIONS	



**SR 273 SIDEWALK,  
 OLD BALTIMORE PIKE  
 TO EAGLE RUN ROAD**

CONTRACT	BRIDGE NO.	<b>NA</b>
T201500701	DESIGNED BY:	S.J.B.
COUNTY	CHECKED BY:	T.A.O.
NEW CASTLE		

**PLAN INDEX SHEET**  
 SHEET NO. 2  
 TOTAL SHTS. 34

## EXISTING SYMBOLS

DRAINAGE	
	DITCH OR STREAM CENTERLINE
	DIRECTIONAL STREAM FLOW ARROW
	DRAINAGE INLET
	DRAINAGE JUNCTION BOX
	DRAINAGE MANHOLE
	DRAINAGE PIPE AND FLOW ARROW
	DRAINAGE PIPE HEADWALL
	RIPRAP - AREA FEATURE
	RIPRAP - LINEAR FEATURE

MANMADE ROADSIDE FEATURES	
	BOLLARD - STEEL POLE
	BOLLARD - WOOD POST
	CURB
	CURB AND GUTTER
	FENCE - CHAINLINK OR STRANDED
	FENCE - STOCKADE OR SPLIT RAIL
	FLAG POLE
	GUARDRAIL - STEEL BEAM
	GUARDRAIL - WIRE ROPE
	LAMP AND POST - RESIDENTIAL
	MAILBOX
	PARKING METER AND POST
	PAVEMENT - FLEXIBLE
	PAVEMENT - RIGID
	PILE - BRIDGE
	PILLAR OR MISCELLANEOUS POST
	TRAFFIC SIGN AND POST
	WALL - BRICK OR BLOCK
	WALL - STONE

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

RIGHT-OF-WAY SYMBOLS	
	PROPERTY MARKER - CONCRETE MON.
	PROPERTY MARKER - IRON PIPE
	HISTORIC RIGHT-OF-WAY BASELINE
	EXISTING RIGHT-OF-WAY
	EXISTING PROPERTY LINE
	EXISTING EASEMENT
	EXISTING DENIAL OF ACCESS
	EXISTING R/W & DENIAL OF ACCESS

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

UTILITY	
	SOIL BORING LOCATION
	UTILITY TEST HOLE LOCATION
	CABLE TV DISTRIBUTION BOX
	ELECTRIC MANHOLE
	ELECTRIC METER
	ELECTRIC TRANSFORMER
	POLE MOUNTED LUMINAIRE
	GAS MANHOLE
	GAS METER
	GAS VALVE
	GAS PUMP - SERVICE STATION
	RAILROAD TRACKS
	SANITARY SEWER MANHOLE
	SANITARY SEWER VALVE
	SANITARY SEWER CLEANOUT OR VENT
	SEPTIC DRAIN FIELD
	TELEPHONE BOOTH
	TELEPHONE MANHOLE
	TELEPHONE TEST POINT
	TRAFFIC - CONDUIT JUNCTION WELL
	TRAFFIC - LIGHT POLE AND BASE
	TRAFFIC - PEDESTRIAN POLE & BASE
	TRAFFIC - SIGNAL CABINET & BASE
	TRAFFIC - SIGNAL POLE AND BASE
	UTILITY BOX
	UTILITY POLE GUY WIRE ANCHOR
	UTILITY POLE
	WATER - FIRE HYDRANT
	WATER METER
	WATER VALVE
	WELL HEAD
	MANHOLE - UNDETERMINED OWNER

UTILITY COMPANY FACILITIES	
	COMCAST CABLE
	SUEZ WATER
	DELDOT MULTIDUCT CONDUIT
	DELDOT SIGNAL CONDUIT - EXISTING
	NEW CASTLE COUNTY - SEWER
	VERIZON

CONSTRUCTION	
	CONCRETE SAFETY BARRIER - PERMANENT
	BIOFILTRATION SWALE
	BRICK PATTERNED SURFACE
	BUTT JOINT
	CLEAR ZONE
	CONSTRUCTION BASELINE
	CONSTRUCTION SAFETY FENCE
	CURB, TYPE 1 & TYPE 3
	CURB, TYPE 2
	CURB & GUTTER, TYPE 1
	CURB & GUTTER, TYPE 2
	CURB & GUTTER, TYPE 3
	CURB & GUTTER, TYPE 4
	CURB OPENING
	DRAINAGE INLET
	DITCH
	FENCE - METAL
	FENCE - WOOD
	FLARED END SECTION
	GUARDRAIL, TYPE 1
	GUARDRAIL, TYPE 2
	GUARDRAIL, TYPE 3
	GUARDRAIL END ANCHORAGE
	GUARDRAIL END TREATMENT, TYPE 1
	GUARDRAIL END TREATMENT, TYPE 2
	GUARDRAIL END TREATMENT, TYPE 3
	IMPACT ATTENUATOR
	JUNCTION BOX - DRAINAGE
	LATERAL OFFSET
	LIMIT OF CONSTRUCTION
	MAILBOX
	MANHOLE
	PAVEMENT PATCH
	PAVEMENT REMOVAL - TOPSOIL, SEED AND MULCH
	PIPE & DIRECTIONAL FLOW ARROW
	RIPRAP
	P.C.C. SIDEWALK - 4"
	P.C.C. SIDEWALK - 6" (USE 8" DEPTH FOR CHANNELIZATION ISLANDS.)
	UNDERDRAIN
	UNDERDRAIN OUTLET

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

## PROPOSED SYMBOLS

IDENTIFIERS	
	ADJUST BY CONTRACTOR
	ADJUST BY OTHERS
	CONCRETE SAFETY BARRIER
	CURB OR CURB & GUTTER
	CONVERT TO JUNCTION BOX
	CONVERT TO DRAINAGE MANHOLE
	CURB OPENING
	CURB RAMP / TYPE
	CURB RAMP / TYPE - WITHOUT SIDEWALK SURFACE DETECTABLE WARNING SYSTEM
	CONSTRUCTION SAFETY FENCE
	DRAINAGE INLET
	DO NOT DISTURB
	ENERGY DISSIPATOR
	FENCE
	FLARED END SECTION
	FILL WITH FLOWABLE FILL
	FILTRATION STRUCTURE
	GUARDRAIL
	JUNCTION BOX
	MANHOLE
	MONUMENT - RIGHT-OF-WAY
	PIPE
	RELOCATE BY CONTRACTOR
	RELOCATE BY OTHERS
	REMOVE BY CONTRACTOR
	REMOVE BY TRAFFIC CONTRACTOR
	REMOVE BY OTHERS
	UNDERDRAIN / LENGTH
	UNDERDRAIN OUTLET PIPE

LANDSCAPING	
	LANDSCAPE PLANTINGS
	SHRUBBERY
	CONIFEROUS TREE
	DECIDUOUS TREE

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

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

ADDENDUMS / REVISIONS

NOT TO SCALE

SR 273 SIDEWALK,  
OLD BALTIMORE PIKE  
TO EAGLE RUN ROAD

CONTRACT	BRIDGE NO.	<b>NA</b>
T201500701	DESIGNED BY: S.J.B.	
COUNTY	CHECKED BY: T.A.O.	
NEW CASTLE		

LEGEND

SHEET NO.	3
TOTAL SHTS.	34

## 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 2001, INCLUDING ALL REVISIONS UP TO THE DATE OF ADVERTISEMENT.

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.

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

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

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

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

5. 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.

6. THE DISTURBED AREA FOR THIS PROJECT IS 1.79 ACRES.

7. 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.

## PROJECT NOTES

### SECTION 100

1. ANY DAMAGE TO ITEMS NOTED TO BE RELOCATED OR RESET BY THE CONTRACTOR, AT THE DISCRETION OF THE ENGINEER, SHALL BE REPAIRED AND/OR REPLACED IN KIND AT THE CONTRACTOR'S EXPENSE.
2. 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

3. ITEMS TO BE REMOVED UNDER ITEM 211000 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:  
- GUARDRAIL

### SECTION 600

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

### SECTION 700

6. 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.
7. 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 - SAW CUTTING, CONCRETE, FULL DEPTH.
8. 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

9. 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 NOIS KEPT ON FILE IN EACH OF THE CONSTRUCTION OFFICES AND THE DEPARTMENT'S STORMWATER SECTION. A COPY OF THE GENERAL PERMIT OR THE NOICAN BE OBTAINED UPON REQUEST FROM EITHER THE DEPARTMENT'S STORMWATER ENGINEER OR THE APPROPRIATE CONSTRUCTION ENGINEER.
10. FOR FULL DEPTH PAVEMENT CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR COVERING BARE SOILS AT THE BOTTOM OF ANY EXCAVATED TRENCH WITHIN 3 CALENDAR DAYS TO PREVENT EROSION WITHIN THE TRENCH. PROPOSED SUBBASE MATERIAL MAY BE USED TO COVER BARE SOILS WITHIN THE TRENCH.

### MISCELLANEOUS

11. THE CONTRACTOR SHALL CONTACT JAMILA JONES, THE CHIEF OF SCHEDULING FOR DART FIRST STATE, 14 DAYS PRIOR TO THE START OF CONSTRUCTION AT 302-576-6019.
12. AS A RESULT OF THE CURRENT PROJECT COORDINATION, THIS PROJECT IS CONSISTENT WITH STIPULATION II.B.2 OF DELDOT'S PROGRAMMATIC AGREEMENT WITH DE STATE HISTORIC PRESERVATION OFFICE (DE SHPO), FEDERAL HIGHWAY ADMINISTRATION (FHWA) AND ADVISORY COUNCIL ON HISTORIC PRESERVATION (ACHP). THERE ARE NO CULTURAL RESOURCE CONCERNS AS LONG AS THE PROJECT SCOPE IS NOT MODIFIED AND ALL STAGING AND STOCKPILING REMAINS WITHIN THE EXISTING LIMIT OF CONSTRUCTION. GIVEN KNOWN ARCHAEOLOGY SITES IN THE AREA, SHOULD IT BE NECESSARY TO ADD ADDITIONAL ACCESS LOCATIONS OR OTHER STOCKPILING/ STAGING AREAS, DELDOT ENVIRONMENTAL STUDIES STAFF WILL NEED TO REVIEW THESE AREAS FOR POTENTIAL CULTURAL RESOURCES CONCERNS.

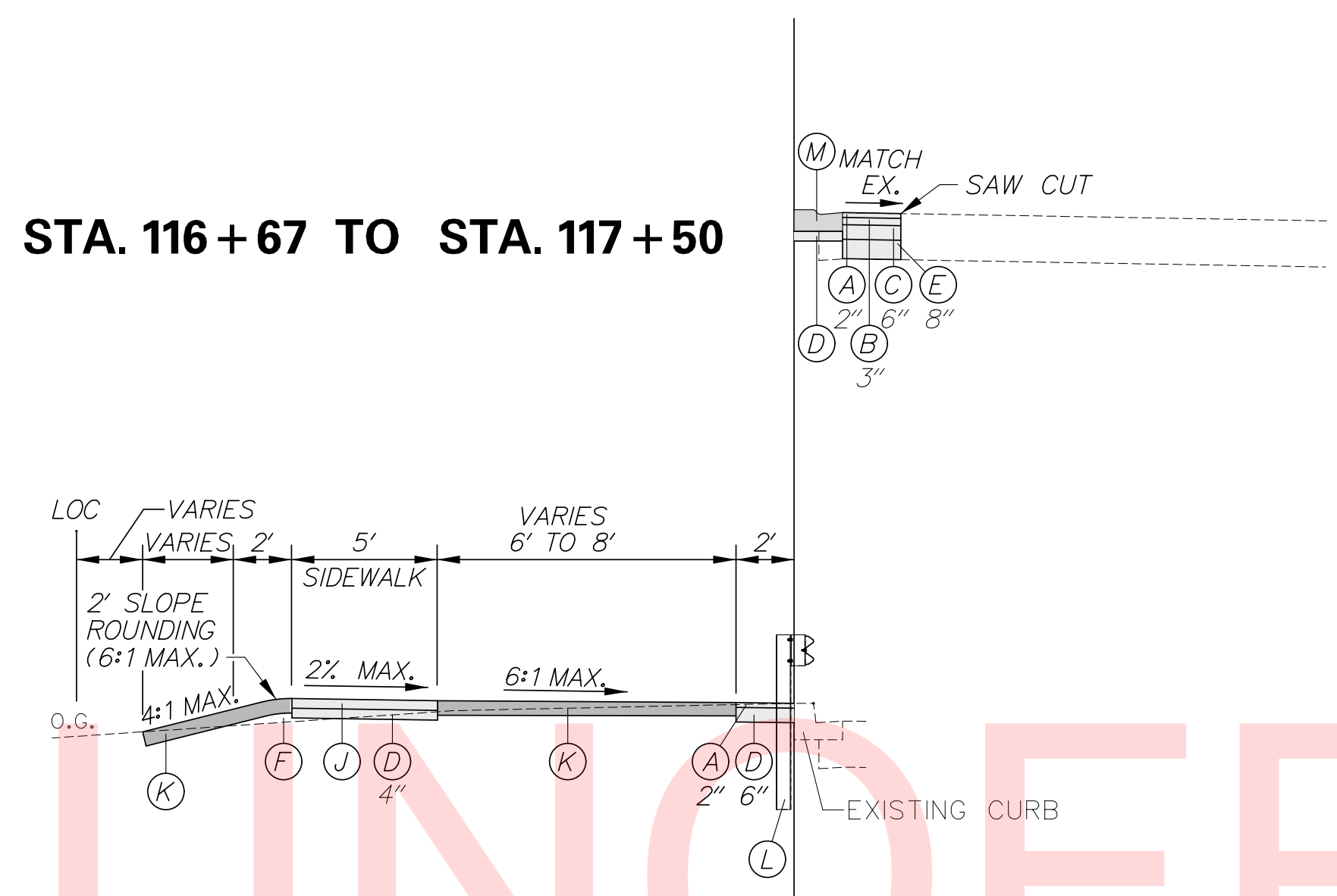
**LEGEND**

- (A) ITEM 401026 - BITUMINOUS CONCRETE, SUPERPAVE TYPE C, 160 GYRATIONS PG 64-22 PATCHING
- (B) ITEM 401027 - BITUMINOUS CONCRETE, SUPERPAVE TYPE B, 160 GYRATIONS PG 64-22 PATCHING
- (C) ITEM 401028 - BITUMINOUS CONCRETE, SUPERPAVE BITUMINOUS CONCRETE BASE COURSE 160 GYRATIONS PG 64-22 PATCHING
- (D) ITEM 301001 - GRADED AGGREGATE BASE COURSE, TYPE B (SEE NOTES 1-3)
- (E) ITEM 301002 - GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING
- (F) ITEM 209006 - BORROW, TYPE F
- (G) ITEM 701013 - P.C.C. CURB, TYPE 1-8
- (H) ITEM 701021 - I.P.C.C. CURB AND GUTTER, TYPE 3-4
- (J) ITEM 705001 - P.C.C. SIDEWALK, 4"
- (K) ITEM 908004 - TOPSOIL, 6" DEPTH  
ITEM 908014 - PERMANENT GRASS SEEDING, DRY GROUND
- (L) ITEM 720021 - GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31
- (M) ITEM 701020 - I.P.C.C. CURB AND GUTTER, TYPE 3-2
- (N) ITEM 908020 - EROSION CONTROL BLANKET MULCH
- (O) ITEM 701010 - P.C.C. CURB, TYPE 1-2

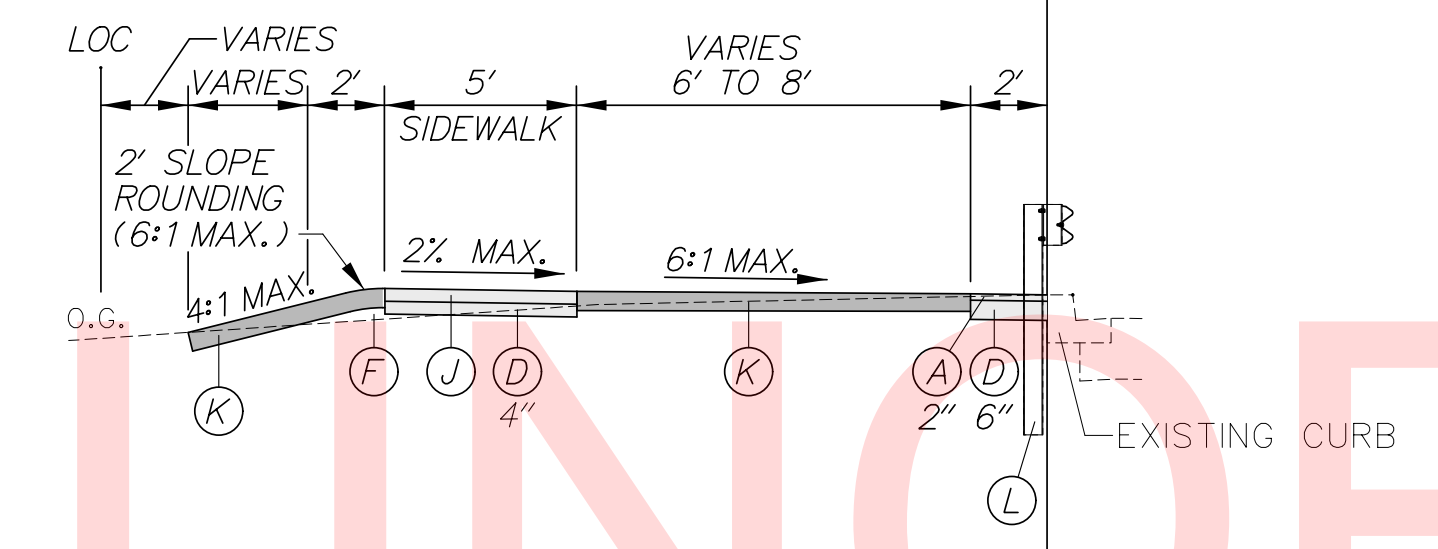
MATERIAL	LIFT THICKNESS	
	MINIMUM	MAXIMUM
BITUMINOUS CONCRETE, TYPE 'C'	1.25"	2"
BITUMINOUS CONCRETE, TYPE 'B'	2.25"	4"
BITUMINOUS CONCRETE BASE COURSE	3"	6"
GRADED AGGREGATE BASE COURSE	4"	8"

- NOTES:**
- COST OF GRADED AGGREGATE BASE COURSE, TYPE B PROPOSED UNDER SIDEWALK SHALL BE INCIDENTAL TO ITEM 705001 - P.C.C. SIDEWALK, 4" DEPTH.
  - 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.
  - COST OF GRADED AGGREGATE BASE COURSE, TYPE B UNDER PROPOSED P.C.C. CURB AND I.P.C.C. CURB AND GUTTER SHALL BE INCIDENTAL TO ITEMS 701013, 701020, AND 701021.

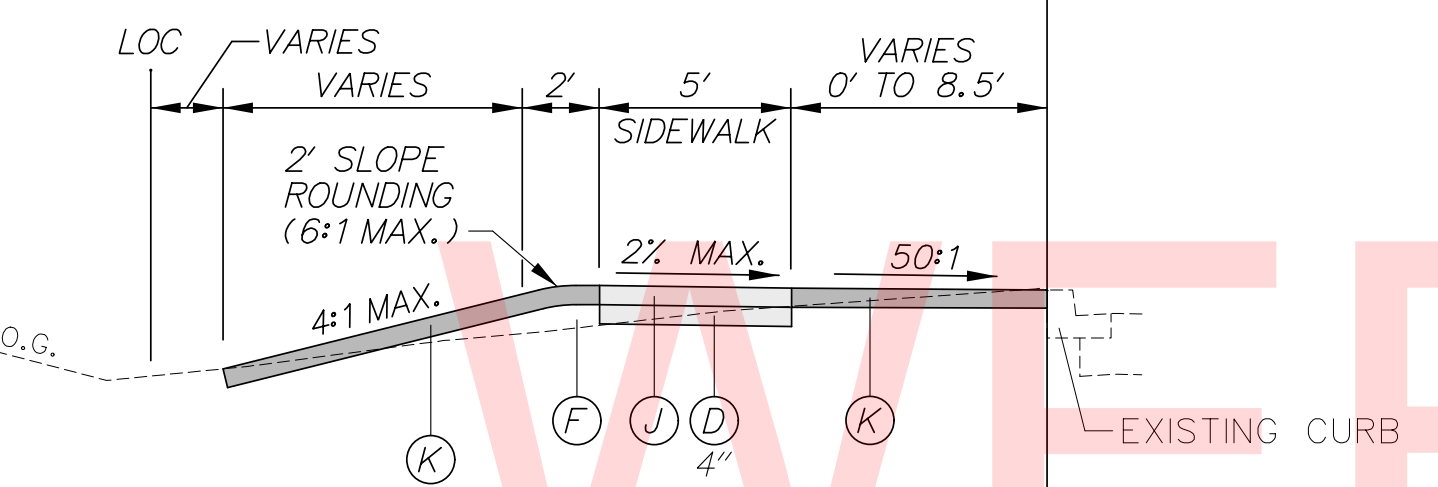
**STA. 116+67 TO STA. 117+50**



**STA. 115+72 TO STA. 117+15**

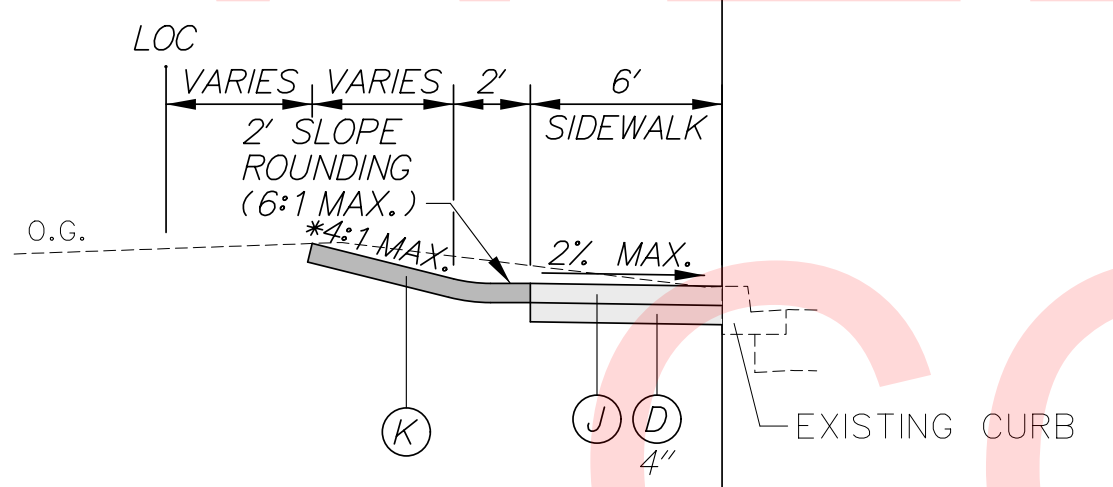


**STA. 117+15 TO STA. 119+68  
STA. 113+30 TO STA. 115+72**

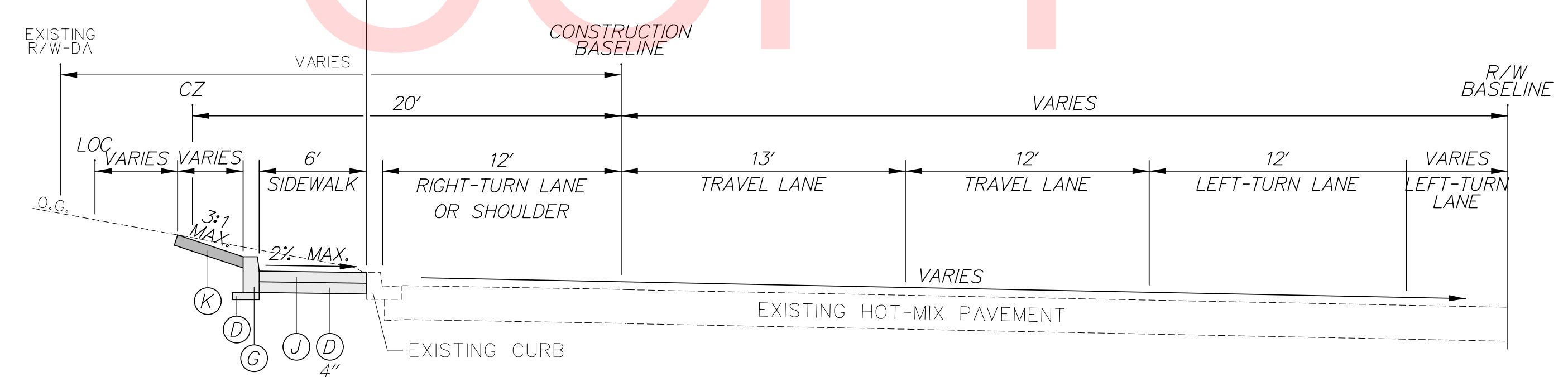


**STA. 112+34 TO STA. 113+30**

\* THE CUT SLOPE SHALL BE INCREASED TO 3:1 NEAR STA. 112+75 LT TO AVOID IMPACTING THE LIGHT POLE



**STA. 110+19 TO STA. 112+34**



**SR 273  
STA. 110+19 TO STA. 119+68**

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ADDENDUMS / REVISIONS

NOT TO SCALE

**SR 273 SIDEWALK,  
OLD BALTIMORE PIKE  
TO EAGLE RUN ROAD**

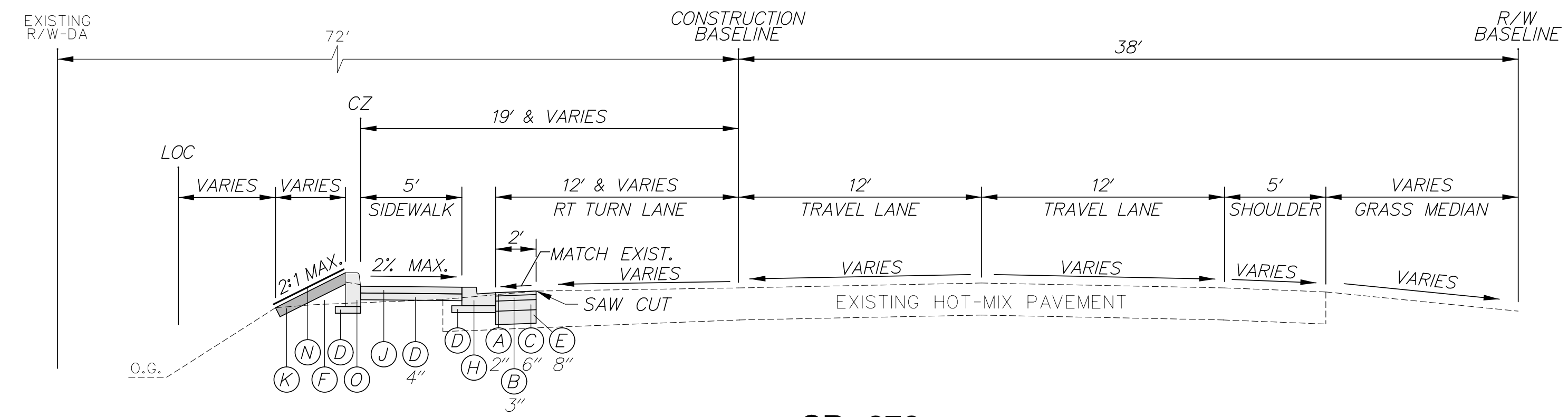
CONTRACT T201500701	BRIDGE NO. N/A
COUNTY NEW CASTLE	DESIGNED BY: S.J.B. CHECKED BY: T.A.O.

**TYPICAL SECTIONS**

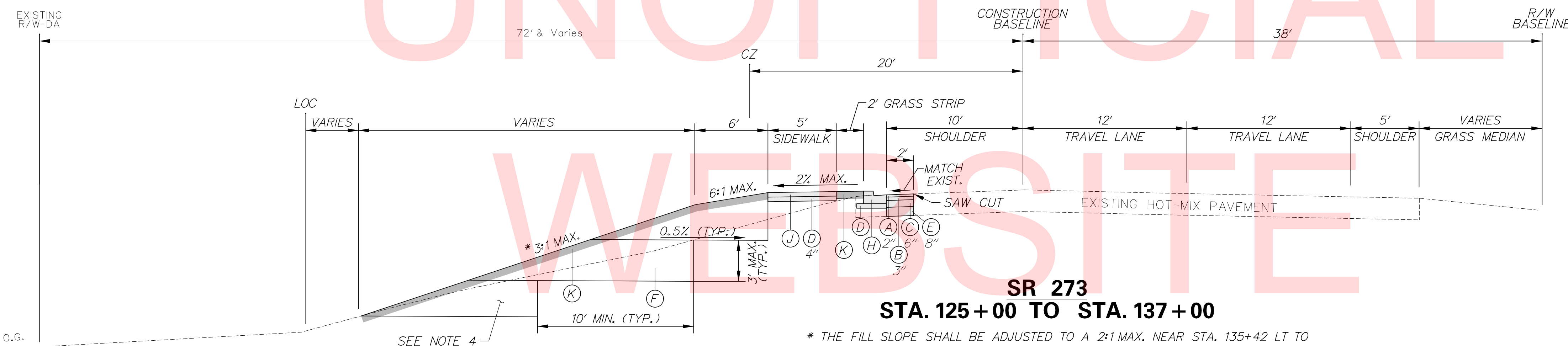
SHEET NO. 5
TOTAL SHTS. 34

**LEGEND**

- (A) ITEM 401026 - BITUMINOUS CONCRETE, SUPERPAVE TYPE C, 160 GYRATIONS PG 64-22 PATCHING
- (B) ITEM 401027 - BITUMINOUS CONCRETE, SUPERPAVE TYPE B, 160 GYRATIONS PG 64-22 PATCHING
- (C) ITEM 401028 - BITUMINOUS CONCRETE, SUPERPAVE BITUMINOUS CONCRETE BASE COURSE 160 GYRATIONS PG 64-22 PATCHING
- (D) ITEM 301001 - GRADED AGGREGATE BASE COURSE, TYPE B (SEE NOTES 1-3)
- (E) ITEM 301002 - GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING
- (F) ITEM 209006 - BORROW, TYPE F
- (G) ITEM 701013 - P.C.C. CURB, TYPE 1-8
- (H) ITEM 701021 - I.P.C.C. CURB AND GUTTER, TYPE 3-4
- (J) ITEM 705001 - P.C.C. SIDEWALK, 4"
- (K) ITEM 908004 - TOPSOIL, 6" DEPTH  
ITEM 908014 - PERMANENT GRASS SEEDING, DRY GROUND
- (L) ITEM 720021 - GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31
- (M) ITEM 701020 - I.P.C.C. CURB AND GUTTER, TYPE 3-2
- (N) ITEM 908020 - EROSION CONTROL BLANKET MULCH
- (O) ITEM 701010 - P.C.C. CURB, TYPE 1-2

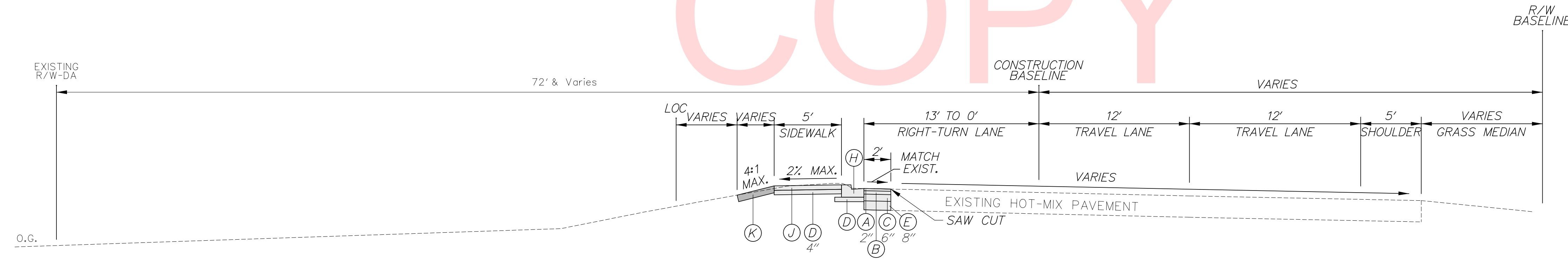


**SR 273  
STA. 137+00 TO STA. 137+63**



**SR 273  
STA. 125+00 TO STA. 137+00**

\* THE FILL SLOPE SHALL BE ADJUSTED TO A 2:1 MAX. NEAR STA. 135+42 LT TO AVOID IMPACTING THE EXISTING 18" RCP OUTFALL. A SLOPE OF 6:1 SHALL BE MAINTAINED WITHIN THE LIMITS OF THE CLEAR ZONE.



**SR 273  
STA. 121+53 TO STA. 125+00**

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

- NOTES:**
1. COST OF GRADED AGGREGATE BASE COURSE, TYPE B PROPOSED UNDER SIDEWALK SHALL BE INCIDENTAL TO ITEM 705001 - P.C.C. SIDEWALK, 4" DEPTH.
  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. COST OF GRADED AGGREGATE BASE COURSE, TYPE B UNDER PROPOSED P.C.C. CURB AND I.P.C.C. CURB AND GUTTER SHALL BE INCIDENTAL TO ITEMS 701013, 701020, AND 701021.
  4. BENCHING SHALL CONFORM TO THIS DETAIL AT ALL LOCATIONS WHERE EXISTING EMBANKMENTS WITH A SLOPE 4:1 OR STEEPER AND A HEIGHT OF 3' OR MORE ARE WIDENED. PAYMENT FOR BENCHING SHALL BE INCIDENTAL TO ITEM 202000.

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ADDENDUMS / REVISIONS

NOT TO SCALE

**SR 273 SIDEWALK,  
OLD BALTIMORE PIKE  
TO EAGLE RUN ROAD**

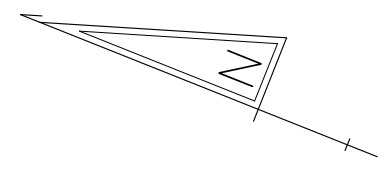
CONTRACT T201500701	BRIDGE NO. N/A
COUNTY NEW CASTLE	DESIGNED BY: S.J.B. CHECKED BY: T.A.O.

**TYPICAL SECTIONS**

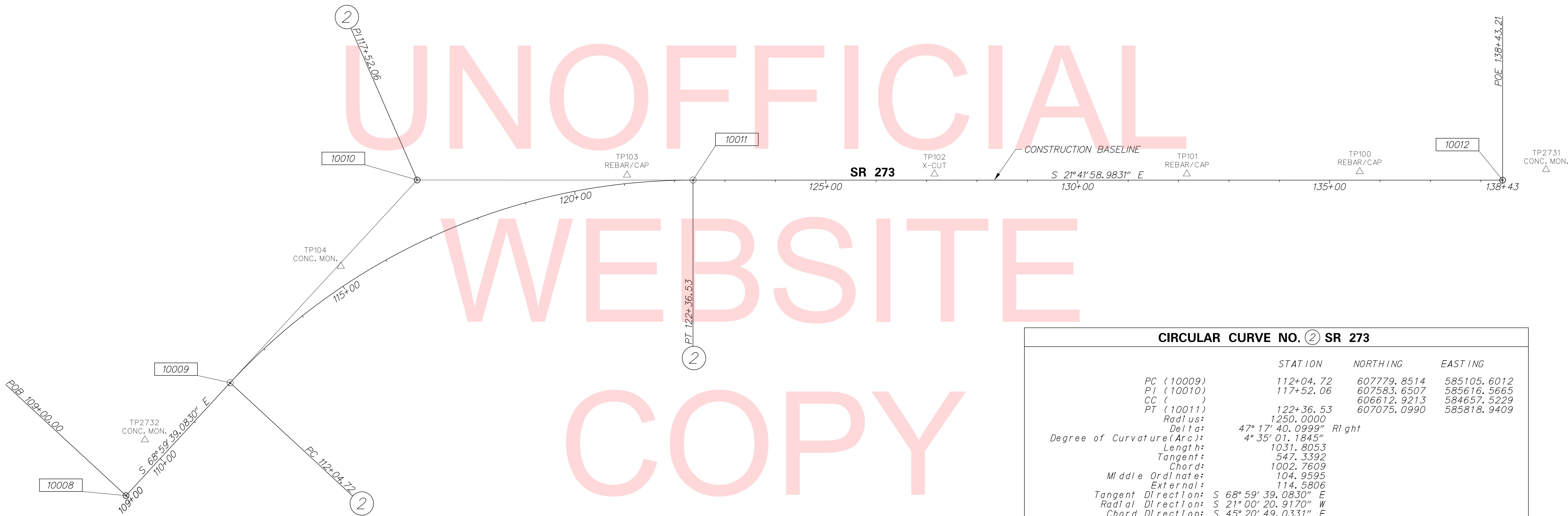
SHEET NO. 6
TOTAL SHTS. 34

CONSTRUCTION ALIGNMENT CONTROL				
POINT	STATION	OFFSET	NORTHING	EASTING
10008	109+00.00	0.00'	607889.0824	584821.1310
10012	138+43.21	0.00'	605582.2767	586412.9985
10013	125+00.00	0.00'	606830.2962	585916.3584
10014	130+00.00	0.00'	606365.7290	586101.2294
10015	135+00.00	0.00'	605901.1618	586286.1005

HORIZONTAL / VERTICAL CONTROL DATA					
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
100	35+17.11	55.63' LT.	605852.0018	586323.8395	22.5332
101	31+73.98	51.17' LT.	606169.1467	586192.7773	24.7345
102	26+72.97	50.91' LT.	606634.5341	586007.2361	30.7920
103	20+72.50	67.01' LT.	607200.4549	585779.8102	50.8079
104	15+04.43	92.89' LT.	607661.2896	585401.6325	63.7634
2731	N/A	N/A LT.	605510.1046	586464.4143	21.8900
2732	10+08.01	85.81' LT.	607895.1818	584937.8852	69.1200



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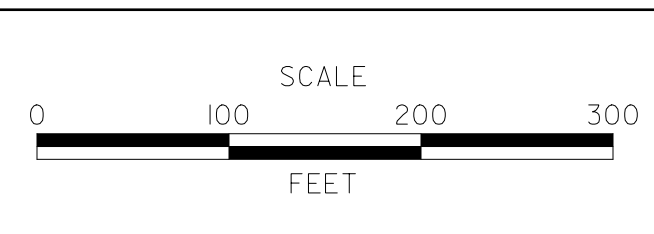
CIRCULAR CURVE NO. ② SR 273			
	STATION	NORTHING	EASTING
PC (10009)	112+04.72	607779.8514	585105.6012
PI (10010)	117+52.06	607583.6507	585616.5665
CC ( )		606612.9213	584657.5229
PT (10011)	122+36.53	607075.0990	585818.9409
Radius:	1250.0000		
Delta:	47° 17' 40.0999" Right		
Degree of Curvature (Arc):	4° 35' 01.1845"		
Length:	1031.8053		
Tangent:	547.3392		
Chord:	1002.7609		
Middle Ordinate:	104.9595		
External:	114.5806		
Tangent Direction:	S 68° 59' 39.0830" E		
Radial Direction:	S 21° 00' 20.9170" W		
Chord Direction:	S 45° 20' 49.0331" E		
Radial Direction:	S 68° 18' 01.0169" W		
Tangent Direction:	S 21° 41' 58.9831" E		

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

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ADDENDUMS / REVISIONS	



**SR 273 SIDEWALK,  
 OLD BALTIMORE PIKE  
 TO EAGLE RUN ROAD**

CONTRACT	BRIDGE NO.	<b>N/A</b>
T201500701	DESIGNED BY:	S.J.B.
COUNTY	CHECKED BY:	T.A.O.
NEW CASTLE		

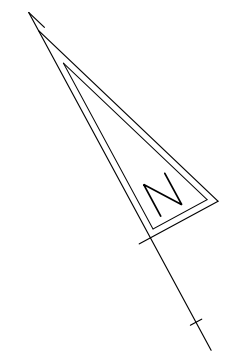
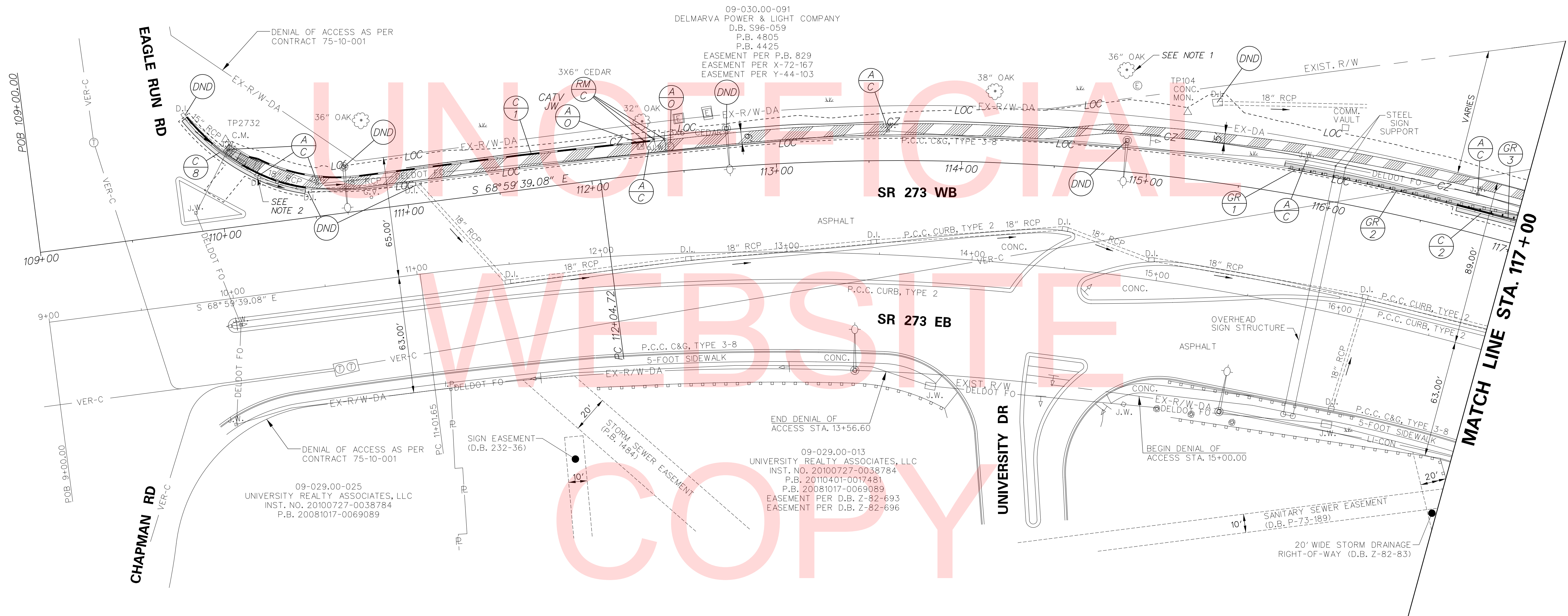
**HORIZONTAL AND  
 VERTICAL CONTROL**

SHEET NO.	7
TOTAL SHTS.	34

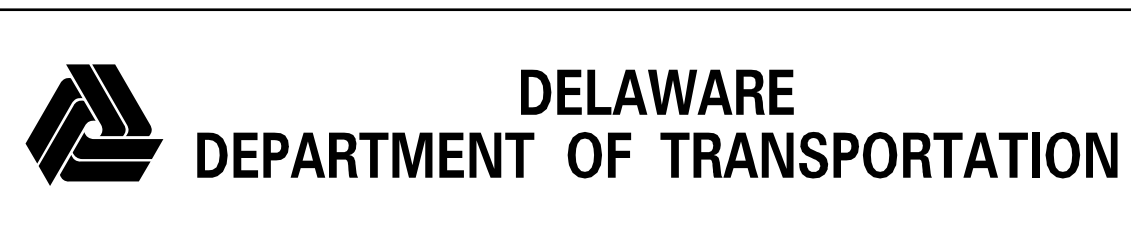
CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
1	P. C. C. CURB, TYPE 1-8	220'
2	P. C. C. CURB & GUTTER, TYPE 3-2	33'
8	P. C. C. CURB & GUTTER, TYPE 3-8	77'

GUARDRAIL SCHEDULE				
NO.	ITEM DESCRIPTION / TYPE	BEGIN STA.	OFFSET	LENGTH
1	GR END ANCHORAGE 31	115+75	13.3 LT.	12.5'
2	GALV. STEEL BEAM GR. TYPE 1-31	115+88	13.2 LT.	87.5'
3	GR END TREATMENT ATTENUATOR, TYPE 1	116+75	12.2 LT.	50'

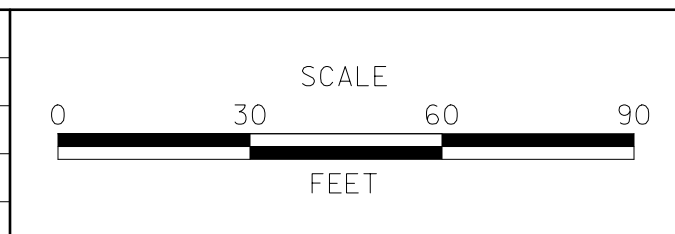
- NOTES:  
 1. THE CONTRACTOR SHALL TRIM TREES IN ACCORDANCE WITH SECTION 201.03.2 OF THE STANDARD SPECIFICATIONS.  
 2. THE CONTRACTOR SHALL ADJUST THE T.G. ELEVATION TO 67.61.



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ADDENDUMS / REVISIONS	



**SR 273 SIDEWALK,  
 OLD BALTIMORE PIKE  
 TO EAGLE RUN ROAD**

CONTRACT T201500701	BRIDGE NO. 	<b>NA</b>
COUNTY NEW CASTLE	DESIGNED BY: S.J.B.	CHECKED BY: T.A.O.

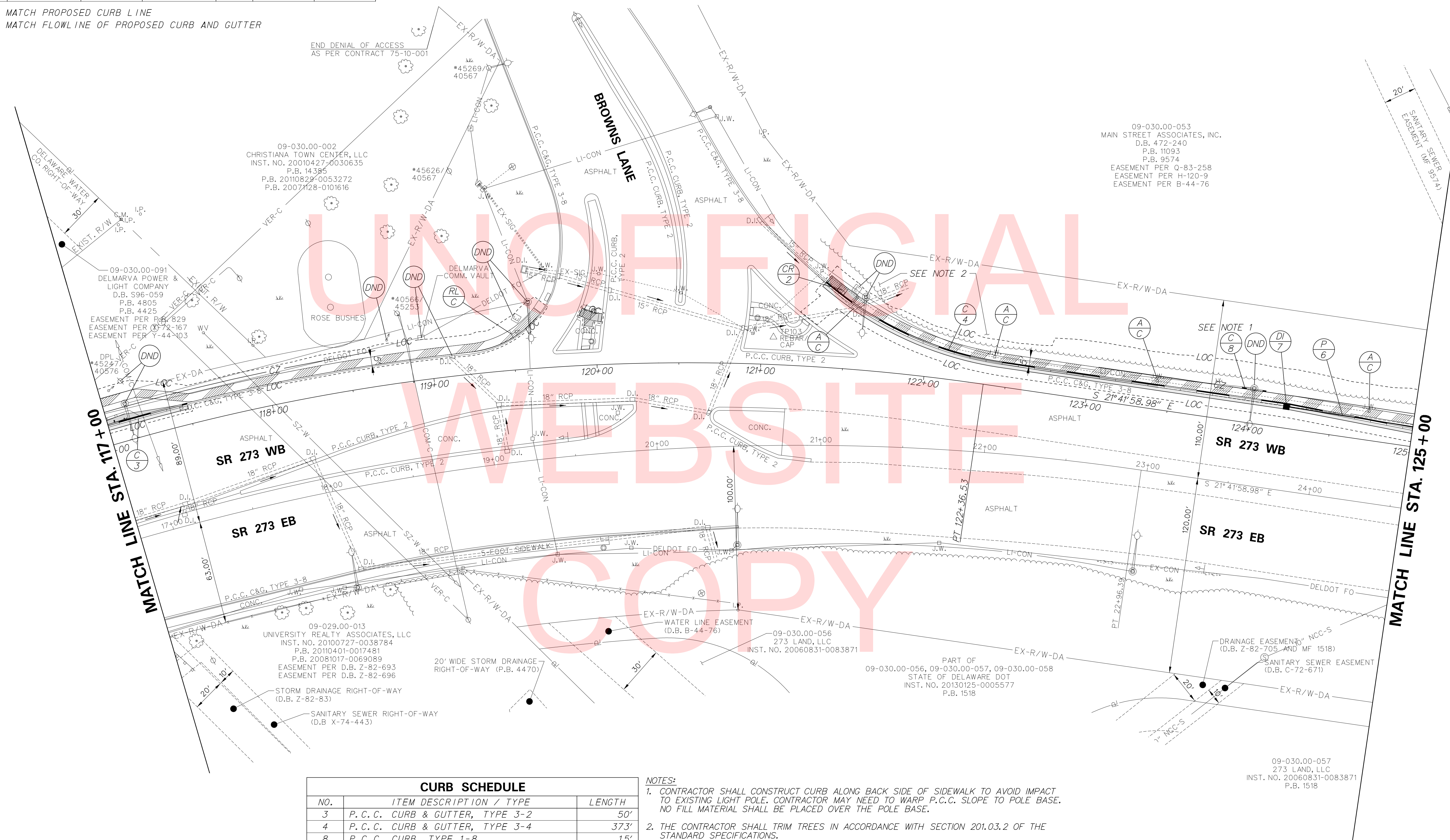
<b>CONSTRUCTION PLAN</b>	SHEET NO. 8
	TOTAL SHTS. 34



DRAINAGE PIPE SCHEDULE						
NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INT. EL.	DIS. EL.
6	15" RCP	111	240'	0.0235	34.82	29.19

DRAINAGE INLET SCHEDULE						
NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.
7	124+21.77	**	34" x 24"	1	***	34.82

\*\* MATCH PROPOSED CURB LINE  
 \*\*\* MATCH FLOWLINE OF PROPOSED CURB AND GUTTER



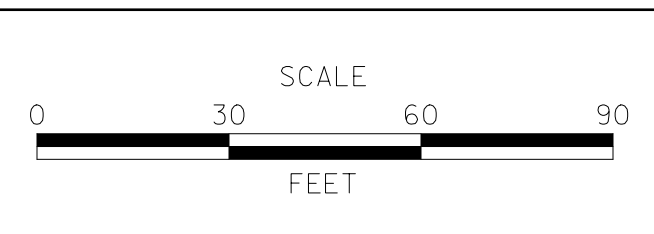
CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
3	P. C. C. CURB & GUTTER, TYPE 3-2	50'
4	P. C. C. CURB & GUTTER, TYPE 3-4	373'
8	P. C. C. CURB, TYPE 1-8	15'

**NOTES:**  
 1. CONTRACTOR SHALL CONSTRUCT CURB ALONG BACK SIDE OF SIDEWALK TO AVOID IMPACT TO EXISTING LIGHT POLE. CONTRACTOR MAY NEED TO WARP P.C.C. SLOPE TO POLE BASE. NO FILL MATERIAL SHALL BE PLACED OVER THE POLE BASE.  
 2. THE CONTRACTOR SHALL TRIM TREES IN ACCORDANCE WITH SECTION 201.03.2 OF THE STANDARD SPECIFICATIONS.

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ADDENDUMS / REVISIONS	



**SR 273 SIDEWALK,  
 OLD BALTIMORE PIKE  
 TO EAGLE RUN ROAD**

CONTRACT	BRIDGE NO.	<b>NA</b>
T201500701	DESIGNED BY: S.J.B.	
COUNTY	CHECKED BY: T.A.O.	
NEW CASTLE		

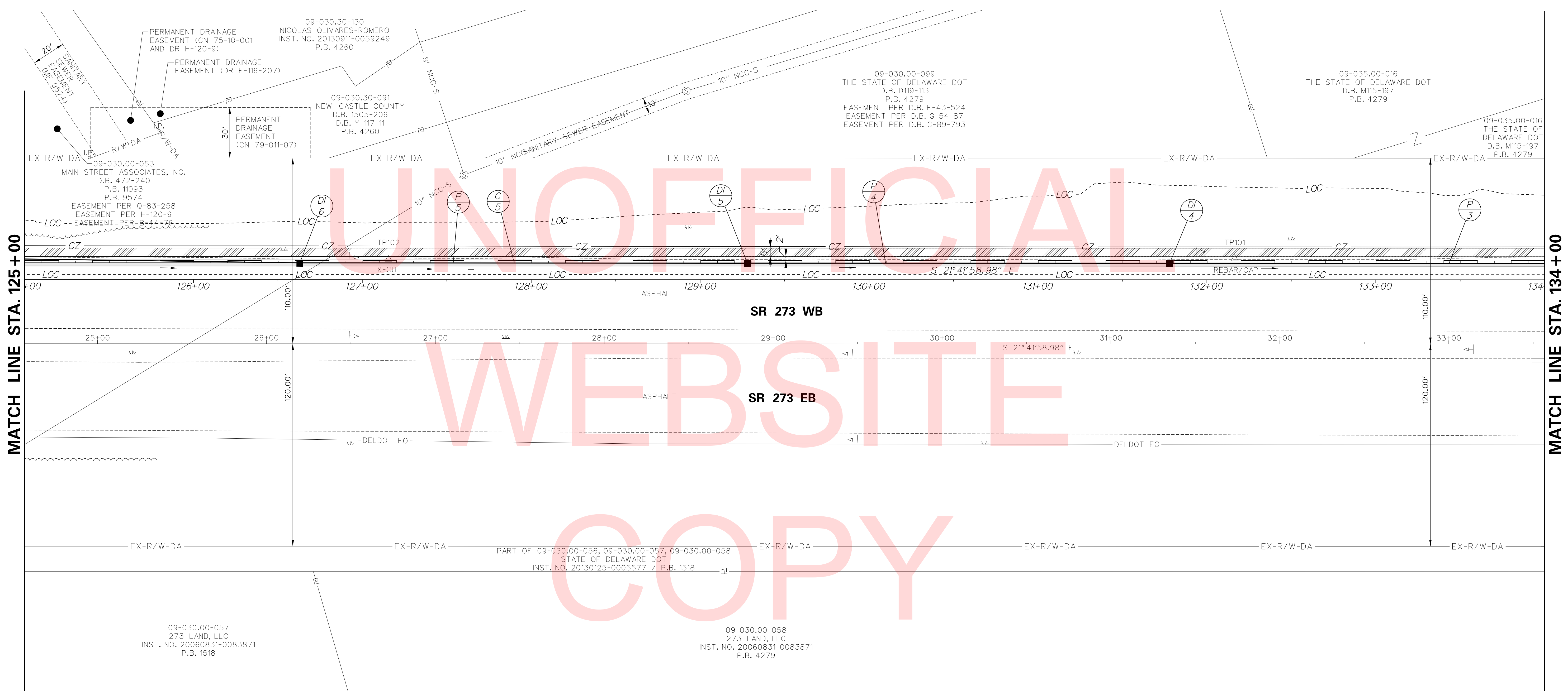
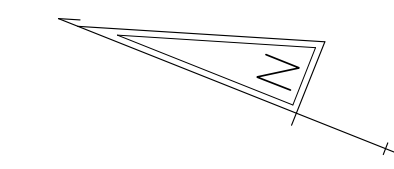
<b>CONSTRUCTION PLAN</b>	SHEET NO.	9
	TOTAL SHTS.	34

DRAINAGE PIPE SCHEDULE						
NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INT. EL.	DIS. EL.
3	15" RCP	111	247'	0.0051	21.84	20.59
4	15" RCP	111	247'	0.0101	24.54	22.04
5	15" RCP	111	262'	0.0162	28.99	24.74

DRAINAGE INLET SCHEDULE						
NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.
4	131+78.00	**	34" x 24"	1	***	21.84
5	129+28.00	**	34" x 24"	1	***	24.54
6	126+63.00	**	34" x 24"	1	***	28.99

CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
5	P.C.C. CURB & GUTTER, TYPE 3-4	900'

\*\* MATCH PROPOSED CURB LINE  
 \*\*\* MATCH FLOWLINE OF PROPOSED CURB AND GUTTER



MATCH LINE STA. 125+00

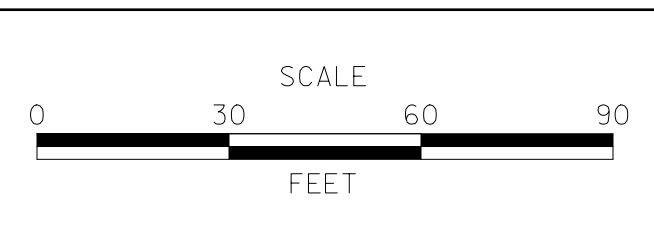
MATCH LINE STA. 134+00

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ADDENDUMS / REVISIONS	



**SR 273 SIDEWALK,  
 OLD BALTIMORE PIKE  
 TO EAGLE RUN ROAD**

CONTRACT T201500701	BRIDGE NO. NA
COUNTY NEW CASTLE	DESIGNED BY: S.J.B. CHECKED BY: T.A.O.

**CONSTRUCTION PLAN**

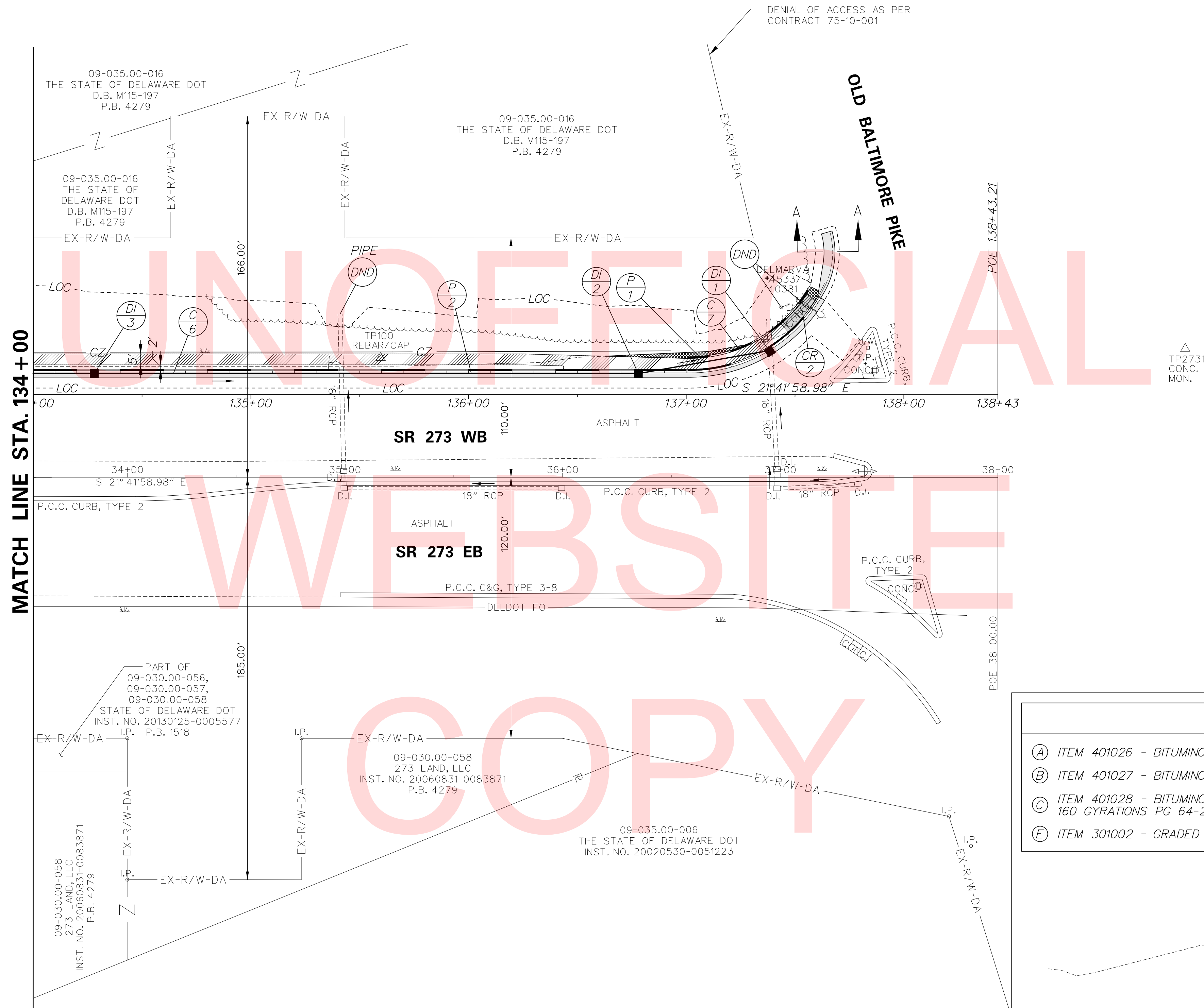
SHEET NO. 10
TOTAL SHTS. 34

DRAINAGE PIPE SCHEDULE							
NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INT. EL.	DIS. EL.	
1	18" RCP	111	58'	0.0114	18.94	18.28	
2	18" RCP	111	247'	0.0051	20.39	19.14	

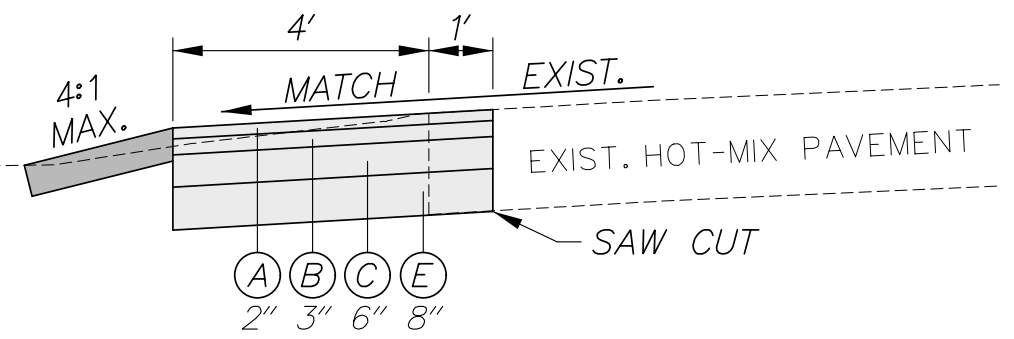
DRAINAGE INLET SCHEDULE							
NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	INV. EL.	
*1	137+37.65	**	66" x 48"	1	***	18.08	
2	136+78.00	**	48" x 30"	1	***	19.14	
3	134+28.00	**	48" x 30"	1	***	20.59	

CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
6	P.C.C. CURB & GUTTER, TYPE 3-4	377'
7	P.C.C. CURB, TYPE 1-2	69'

\* DRAINAGE INLET SHALL BE CAST IN PLACE AS A DOGHOUSE INLET IN ACCORDANCE WITH DELDOT STANDARD CONSTRUCTION DETAIL D-5.  
 \*\* MATCH PROPOSED CURB LINE  
 \*\*\* MATCH FLOWLINE OF PROPOSED CURB AND GUTTER



LEGEND	
(A)	ITEM 401026 - BITUMINOUS CONCRETE, SUPERPAVE TYPE C, 160 GYRATIONS PG 64-22 PATCHING
(B)	ITEM 401027 - BITUMINOUS CONCRETE, SUPERPAVE TYPE B, 160 GYRATIONS PG 64-22 PATCHING
(C)	ITEM 401028 - BITUMINOUS CONCRETE, SUPERPAVE BITUMINOUS CONCRETE BASE COURSE 160 GYRATIONS PG 64-22 PATCHING
(E)	ITEM 301002 - GRADED AGGREGATE BASE COURSE, TYPE B, PATCHING

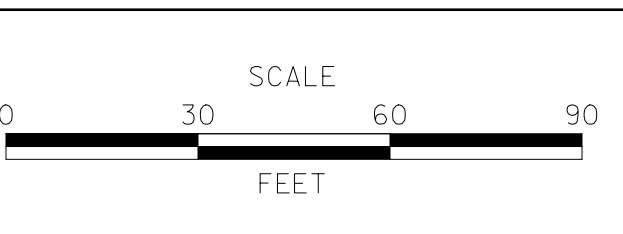


SECTION A-A  
NOT TO SCALE

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ADDENDUMS / REVISIONS

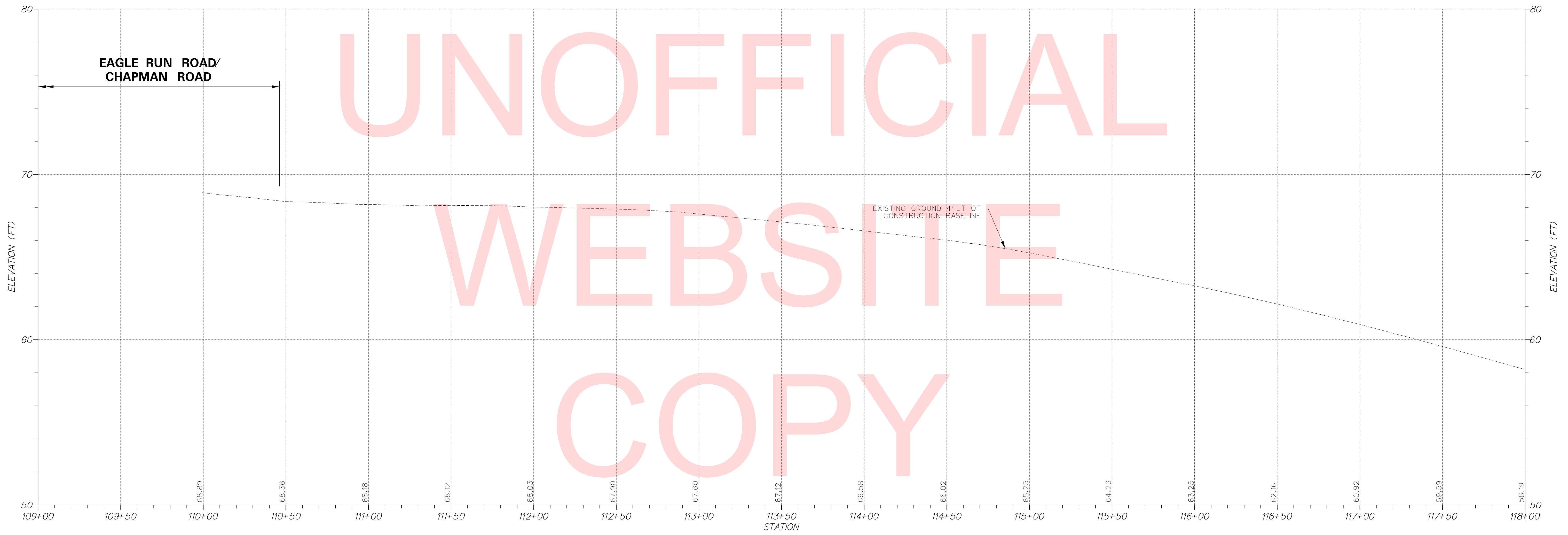


**SR 273 SIDEWALK,  
OLD BALTIMORE PIKE  
TO EAGLE RUN ROAD**

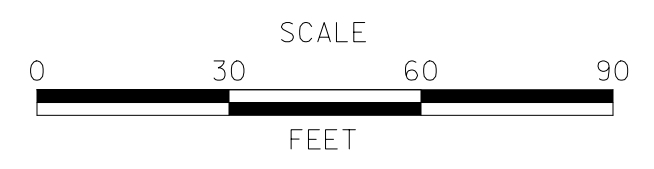
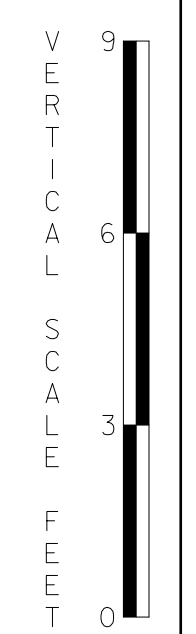
CONTRACT T201500701	BRIDGE NO. NA
COUNTY NEW CASTLE	DESIGNED BY: S.J.B. CHECKED BY: T.A.O.

<b>CONSTRUCTION PLAN</b>	SHEET NO. 11
	TOTAL SHTS. 34

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SR 273



**DELAWARE**  
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS	

**SR 273 SIDEWALK,  
OLD BALTIMORE PIKE  
TO EAGLE RUN ROAD**

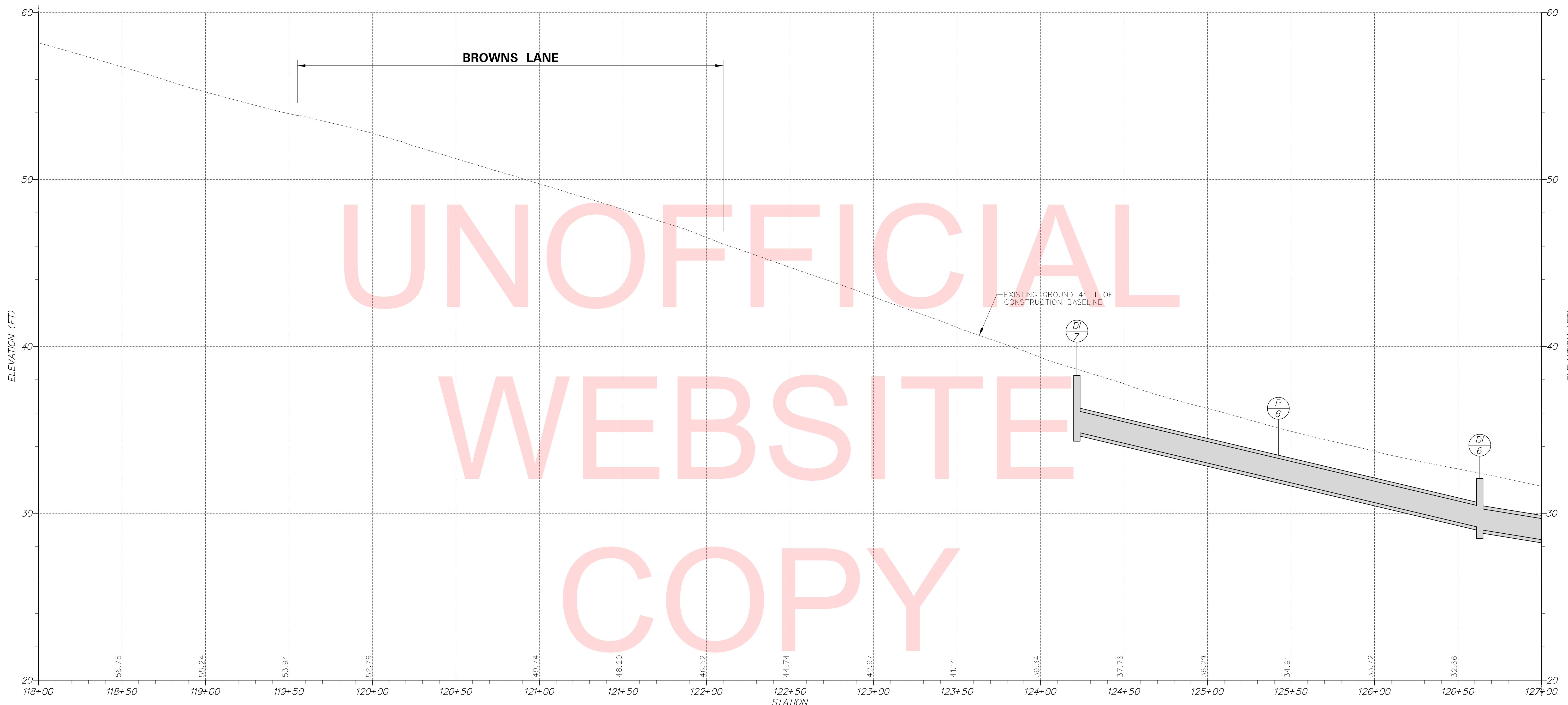
CONTRACT T201500701	BRIDGE NO. <b>NA</b>
COUNTY NEW CASTLE	DESIGNED BY: S.J.B. CHECKED BY: T.A.O.

**PROFILES**

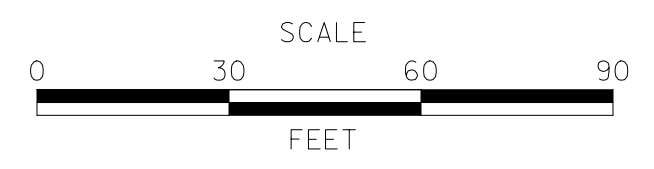
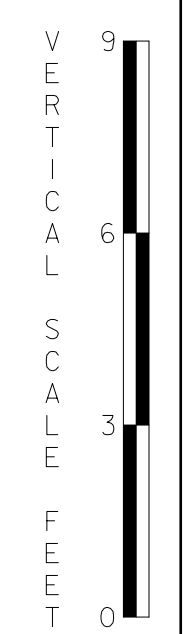
SHEET NO. 12
TOTAL SHTS. 34

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SR 273



ADDENDUMS / REVISIONS	

SR 273 SIDEWALK,  
OLD BALTIMORE PIKE  
TO EAGLE RUN ROAD

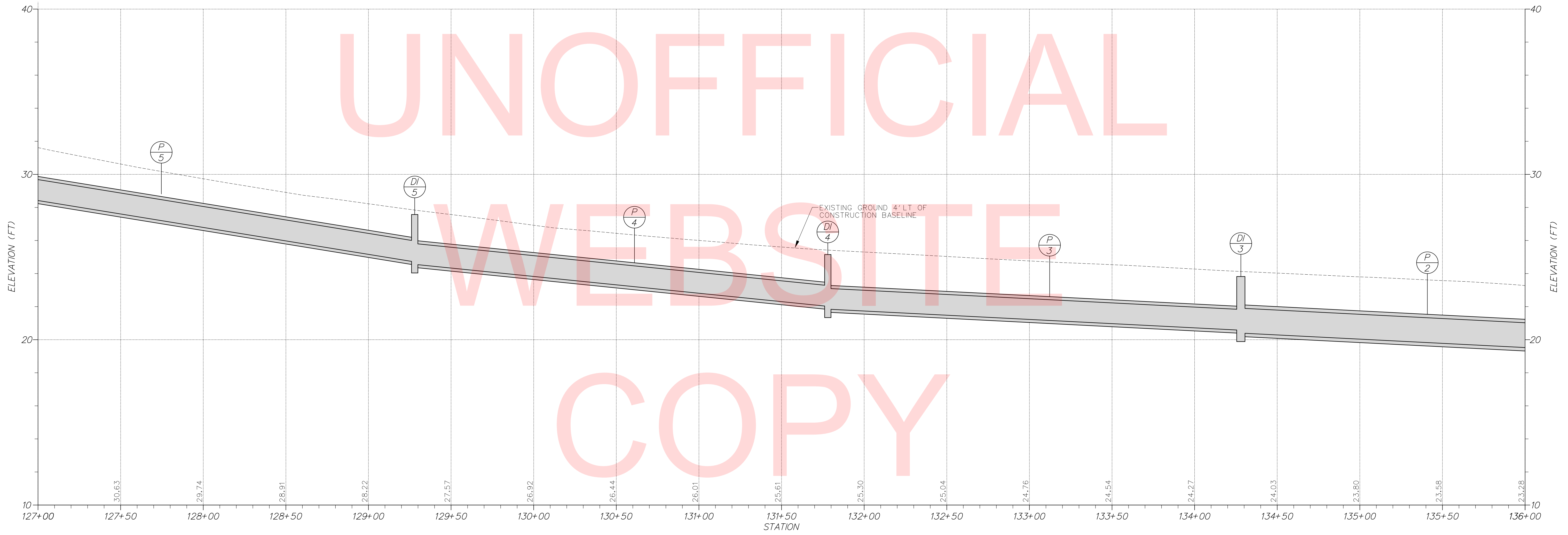
CONTRACT	BRIDGE NO.	<b>N/A</b>
T201500701	DESIGNED BY:	S.J.B.
COUNTY	CHECKED BY:	T.A.O.
NEW CASTLE		

PROFILES

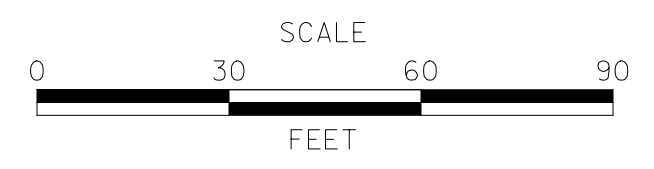
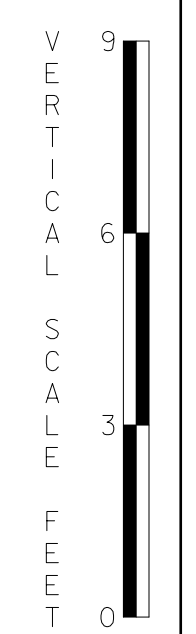
SHEET NO.	13
TOTAL SHTS.	34

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SR 273



ADDENDUMS / REVISIONS	

**SR 273 SIDEWALK,  
OLD BALTIMORE PIKE  
TO EAGLE RUN ROAD**

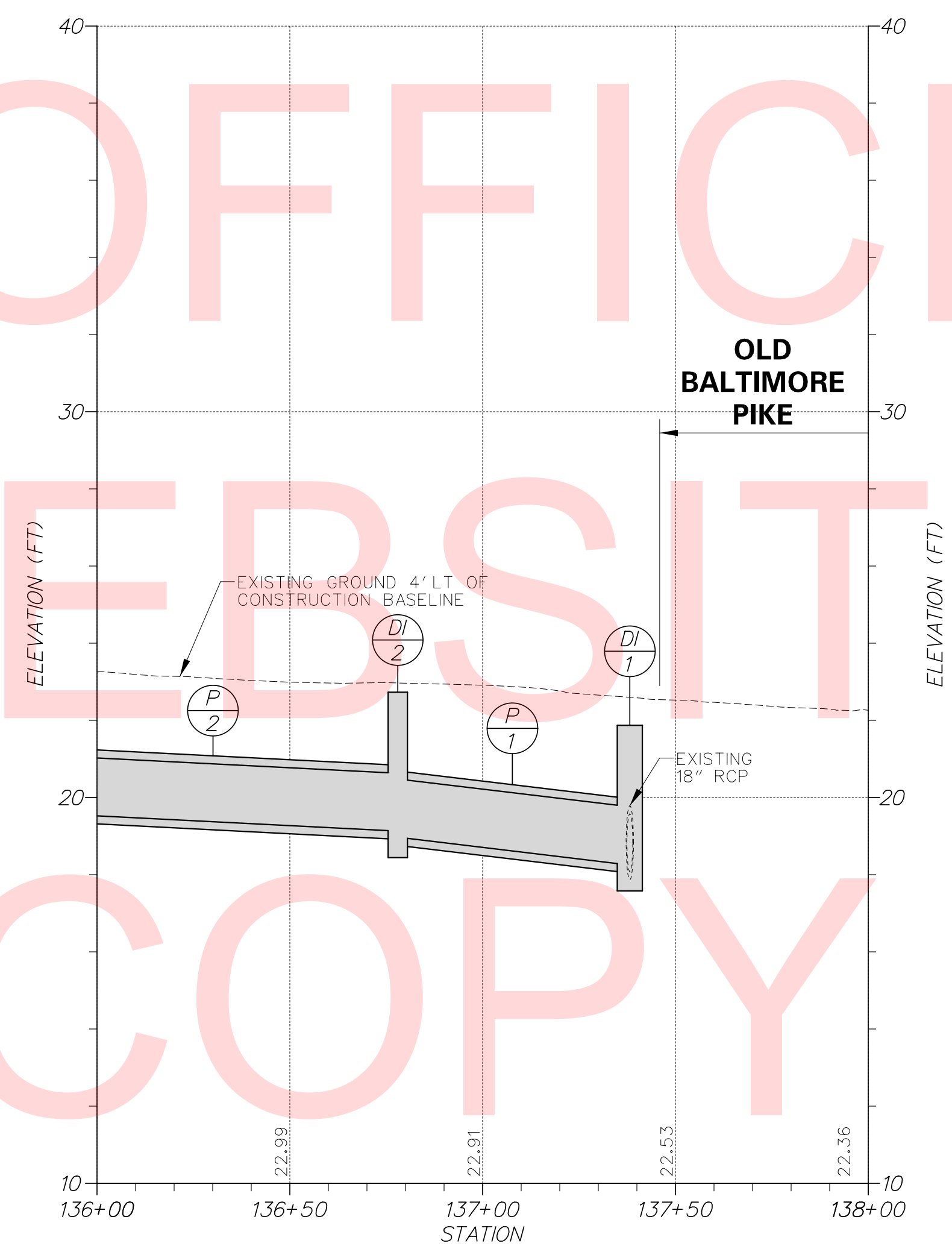
CONTRACT T201500701	BRIDGE NO. <b>N/A</b>	
COUNTY NEW CASTLE	DESIGNED BY: S.J.B.	
	CHECKED BY: T.A.O.	

**PROFILES**

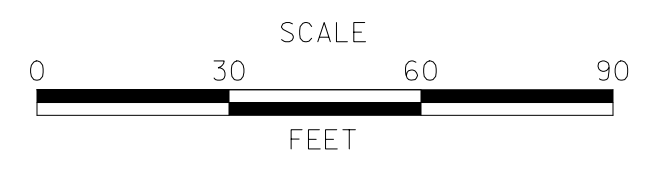
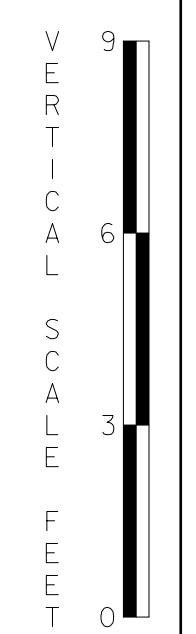
SHEET NO. 14	TOTAL SHTS. 34
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SR 273



SR 273 SIDEWALK,  
OLD BALTIMORE PIKE  
TO EAGLE RUN ROAD

CONTRACT	BRIDGE NO.	<b>N/A</b>
T201500701	DESIGNED BY:	S.J.B.
COUNTY	CHECKED BY:	T.A.O.
NEW CASTLE		

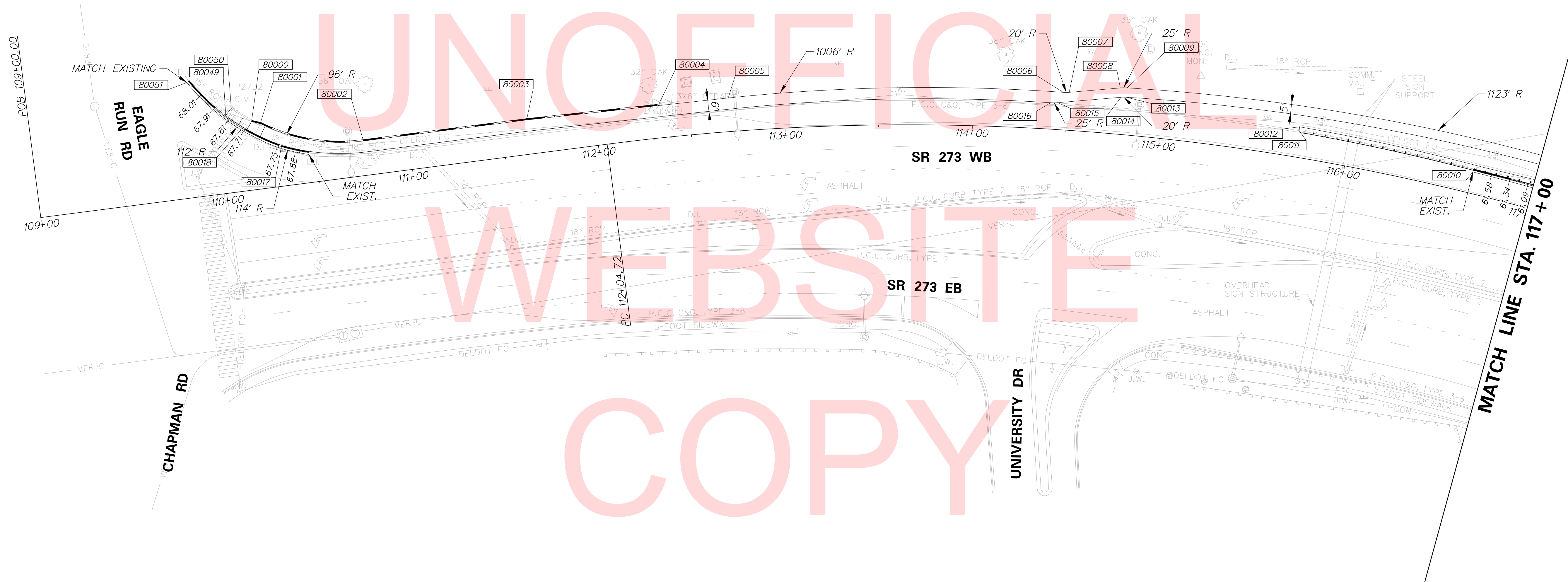
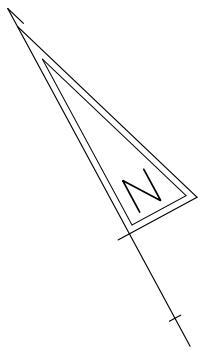
PROFILES

SHEET NO.	15
TOTAL SHTS.	34

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ADDENDUMS / REVISIONS	

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80000	110+18.06	-36.30	607880.6483	584944.3550
80001	110+22.57	-34.65	607877.4980	584947.9748
80002	110+75.93	-18.40	607843.1974	584991.9709
80003	111+63.74	-18.34	607811.6599	585073.9157
80004	112+33.99	-17.26	607785.0034	585139.3588
80005	112+71.00	-17.93	607770.8408	585174.1286
80006	114+47.28	-20.01	607688.4955	585332.8550
80007	114+50.36	-20.24	607687.0205	585335.6276
80008	114+76.86	-24.69	607676.1139	585360.6993
80009	114+80.43	-25.06	607674.4155	585363.9342
80010	116+67.33	-11.37	607547.1952	585504.9806
80011	115+72.96	-14.25	607610.7286	585433.8649
80012	115+72.98	-16.25	607612.2947	585435.1039
80013	114+80.58	-20.07	607670.1701	585361.2930
80014	114+77.72	-19.77	607671.5288	585358.7050
80015	114+44.75	-14.32	607685.0352	585327.6569
80016	114+41.03	-14.05	607686.7951	585324.3238
80017	110+31.83	-20.09	607860.5803	584951.4058
80018	110+12.02	-32.70	607879.4532	584937.4271
80049	110+04.78	-41.29	607890.0698	584933.7511
80050	110+08.29	-44.85	607892.1333	584938.3062
80051	110+86.53	-61.40	607915.3841	584923.9247



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ADDENDUMS / REVISIONS	



**SR 273 SIDEWALK,  
OLD BALTIMORE PIKE  
TO EAGLE RUN ROAD**

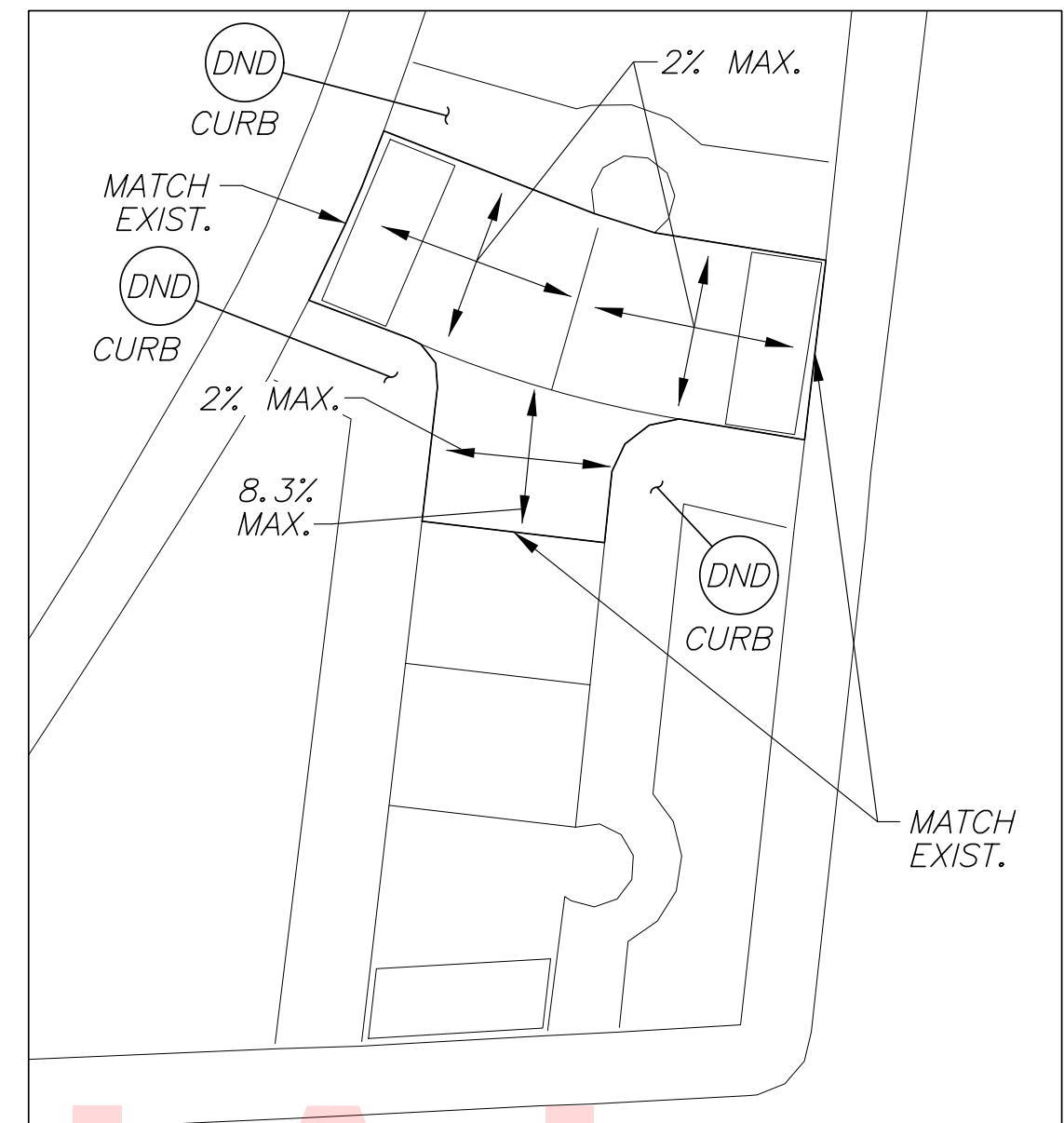
CONTRACT	BRIDGE NO.	<b>NA</b>
T201500701	DESIGNED BY: S.J.B.	
COUNTY	CHECKED BY: T.A.O.	
NEW CASTLE		

**GRADES AND GEOMETRICS**

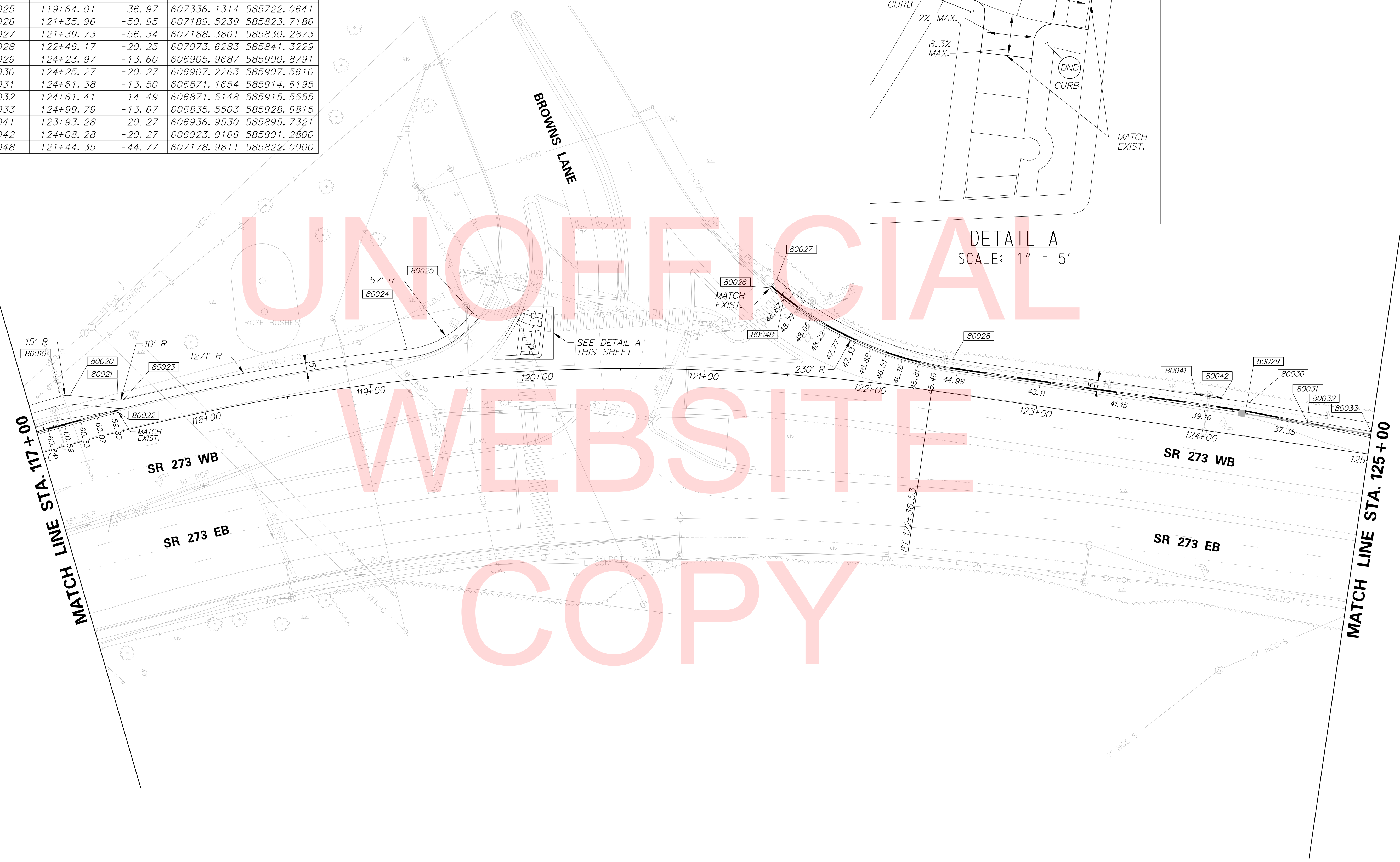
SHEET NO.	16
TOTAL SHTS.	34



COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80019	117+19.18	-29.33	607524.0411	585555.6000
80020	117+24.40	-28.38	607519.6159	585558.7276
80021	117+51.29	-18.56	607493.2017	585570.9579
80022	117+49.74	-11.34	607489.3225	585564.6667
80023	117+54.52	-18.02	607490.4654	585572.8307
80024	119+24.13	-18.46	607358.8448	585563.4796
80025	119+64.01	-36.97	607336.1314	585722.0641
80026	121+35.96	-50.95	607189.5239	585823.7186
80027	121+39.73	-56.34	607188.3801	585830.2873
80028	122+46.17	-20.25	607073.6283	585841.3229
80029	124+23.97	-13.60	606905.9687	585900.8791
80030	124+25.27	-20.27	606907.2263	585907.5610
80031	124+61.38	-13.50	606871.1654	585914.6195
80032	124+61.41	-14.49	606871.5148	585915.5555
80033	124+99.79	-13.67	606835.5503	585928.9815
80041	123+93.28	-20.27	606936.9530	585895.7321
80042	124+08.28	-20.27	606923.0166	585901.2800
80048	121+44.35	-44.77	607178.9811	585822.0000



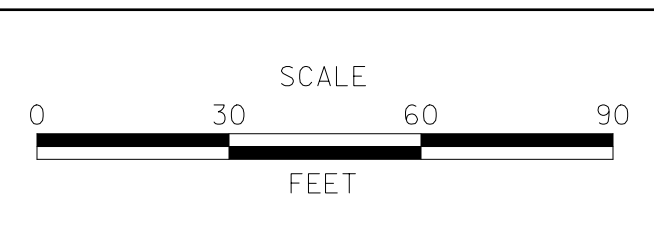
DETAIL A  
SCALE: 1" = 5'



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 10/27/2017 8:06:46 AM



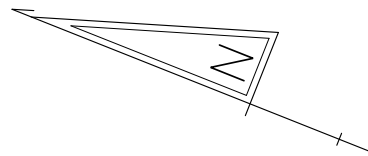
ADDENDUMS / REVISIONS	



**SR 273 SIDEWALK,  
OLD BALTIMORE PIKE  
TO EAGLE RUN ROAD**

CONTRACT T201500701	BRIDGE NO. 	<b>NA</b>
COUNTY NEW CASTLE	DESIGNED BY: S.J.B.	
	CHECKED BY: T.A.O.	

<b>GRADES AND GEOMETRICS</b>	SHEET NO. 17
	TOTAL SHTS. 34



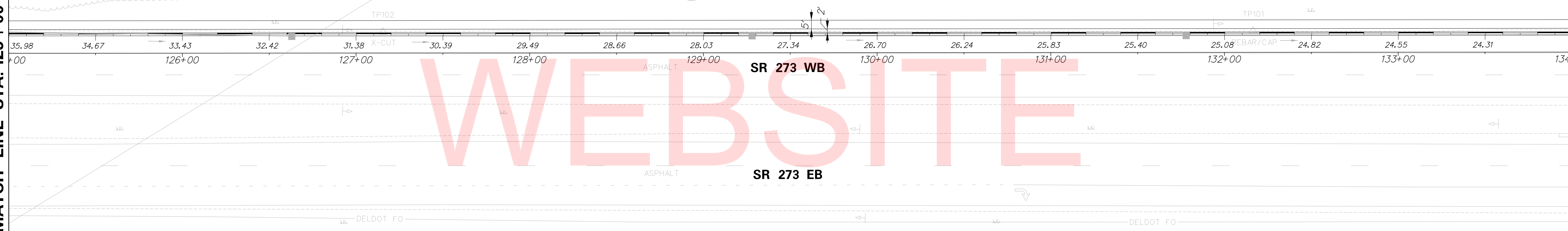
UNOFFICIAL

WEBSITE

COPY

MATCH LINE STA. 125 + 00

MATCH LINE STA. 134 + 00



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07/27/17 09:58:14 AM



ADDENDUMS / REVISIONS



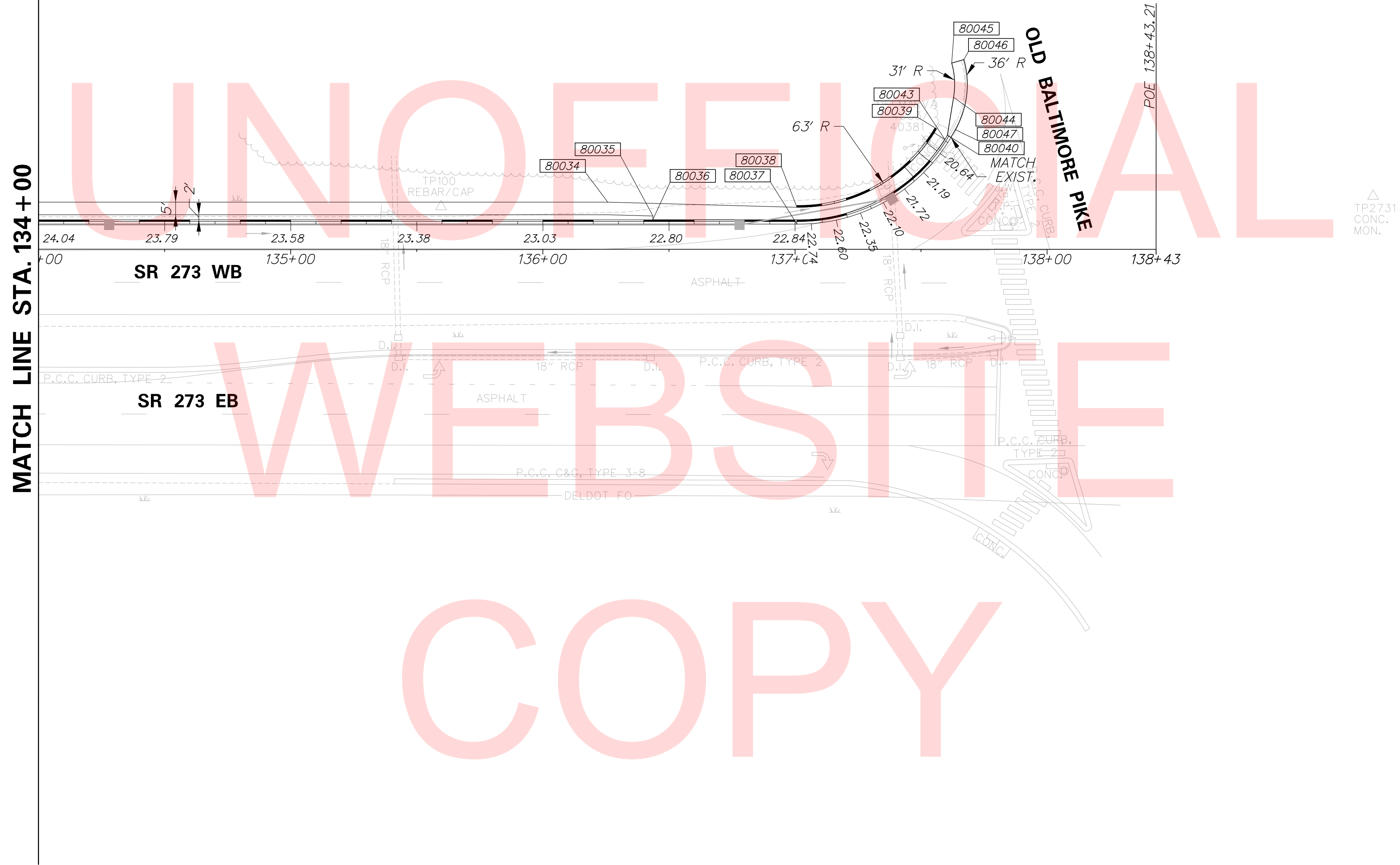
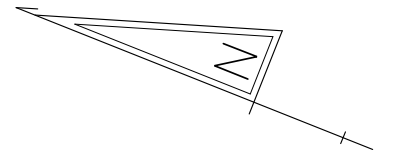
SR 273 SIDEWALK,  
OLD BALTIMORE PIKE  
TO EAGLE RUN ROAD

CONTRACT	BRIDGE NO.	<b>N/A</b>
T201500701	DESIGNED BY:	S.J.B.
COUNTY	CHECKED BY:	T.A.O.
NEW CASTLE		

GRADES AND GEOMETRICS

SHEET NO.	18
TOTAL SHTS.	34

COORDINATE LIST				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
80034	136+25.77	-18.67	605791.2061	586349.9470
80035	136+43.67	-13.19	605772.5476	586351.4783
80036	136+43.60	-11.67	605772.0568	586350.0385
80037	137+00.77	-10.00	605718.3166	586369.6252
80038	137+00.77	-16.67	605720.7847	586375.8182
80039	137+56.13	-47.80	605680.8598	586425.2171
80040	137+61.87	-44.41	605674.2732	586424.1905
80043	137+59.42	-43.59	605676.2480	586422.5223
80044	137+62.90	-60.30	605679.1873	586439.3322
80045	137+62.14	-73.87	605684.9128	586451.6618
80046	137+66.95	-75.23	605680.9424	586454.7009
80047	137+63.59	-47.46	605673.7967	586427.6553



MATCH LINE STA. 134 + 00

SR 273 WB

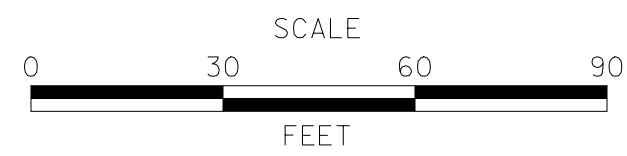
SR 273 EB

OLD BALTIMORE PIKE

POE 138+43.21

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ADDENDUMS / REVISIONS



**SR 273 SIDEWALK,  
OLD BALTIMORE PIKE  
TO EAGLE RUN ROAD**

CONTRACT	BRIDGE NO.	<b>NA</b>
T201500701	DESIGNED BY:	S.J.B.
COUNTY	CHECKED BY:	T.A.O.
NEW CASTLE		

**GRADES AND GEOMETRICS**

SHEET NO.	19
TOTAL SHTS.	34

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GENERAL TRAFFIC CONTROL NOTES

1. MAINTENANCE OF TRAFFIC DURING LANE CLOSURES AND LANE SHIFTS SHALL CONFORM TO THE FOLLOWING TYPICAL APPLICATIONS OF THE DELAWARE MUTCD:  
 TYPICAL APPLICATION 3A - SHOULDER CLOSURE ON MULTILANE DIVIDED HIGHWAY  
 TYPICAL APPLICATION 33 - STATIONARY LANE CLOSURE ON A MULTI-LANE, DIVIDED HIGHWAY

2. TRAFFIC IMPACTS DUE TO CONSTRUCTION ACTIVITIES SHALL BE GOVERNED BY THE FOLLOWING RESTRICTIONS:

**WB SR 273 allowable lane closure hours**

	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																							1	1	1
MONDAY	1	1	1	1	1	1																	1	1	1
TUESDAY	1	1	1	1	1	1																	1	1	1
WEDNESDAY	1	1	1	1	1	1																	1	1	1
THURSDAY	1	1	1	1	1	1																	1	1	1
FRIDAY	1	1	1	1	1	1																	1	1	1
SATURDAY																									

1 only one through lane closed  
 no lane closures (all lanes open)

9. A TYPE II TRUCK MOUNTED ATTENUATOR (TMA) SHALL BE REQUIRED ON THIS PROJECT DURING THE FOLLOWING OPERATIONS: TEMPORARY/PERMANENT PAVEMENT MARKINGS, ROADSIDE SPRAYING, PATCHING, MILLING, SWEEPING, TEMPORARY TRAFFIC BARRIER PLACEMENT OR AS DIRECTED BY THE ENGINEER. THE ROLL AHEAD DISTANCE SHALL BE AS PER THE MANUFACTURER'S RECOMMENDATIONS. THE TMA SHALL CONFORM TO THE REQUIREMENTS OF SECTION 6F OF THE DELAWARE MUTCD.

3. 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.
4. 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.
5. AT THE END OF EACH WORK DAY, THE CONTRACTOR SHALL REMOVE ALL TEMPORARY TRAFFIC CONTROL CHANNELIZING DEVICES FROM THE ROADWAY, INCLUDING CONES AND DRUMS. ALL TEMPORARY WARNING SIGNS ASSOCIATED WITH LANE SHIFTS SHALL ALSO BE REMOVED OR COMPLETELY COVERED AFTER REMOVAL OF THE CHANNELIZING DEVICES. TEMPORARY TRAFFIC CONTROL DEVICES, INCLUDING DRUMS, CONES, AND SIGNS, SHALL NOT BE STORED ON THE SIDEWALK.
6.
  - A. THE USE OF MILLINGS AND GABC IN THE TRAVEL WAY, TEMPORARY TRAVEL WAY, HIGH VOLUME ENTRANCES AND ACCESS RAMP FOR THE PURPOSE OF PROVIDING A TEMPORARY ROADWAY SURFACE, POTHOLE 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.
  - B. 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 (LANE, SHOULDER, OR TURN LANE) AND THE PROPOSED ROAD CONSTRUCTION
    - e. EDGE OF ROADWAY DROPOFF
  - C. 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.
7. THE CONTRACTOR SHALL PROVIDE ONE TRAFFIC OFFICER FOR ANY OPERATION WHERE AN EXISTING SIGNALIZED INTERSECTION IS PLACED IN FLASH-MODE. THE TRAFFIC OFFICER IS THE ONLY INDIVIDUAL THAT CAN PLACE A TRAFFIC SIGNAL IN FLASH-MODE 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). ADDITIONAL USAGE OF TRAFFIC OFFICERS OUTSIDE OF THE ABOVE REQUIREMENTS SHALL BE APPROVED BY THE ENGINEER IN CONSULTATION WITH THE TRAFFIC SAFETY SECTION.
8. ALL PROPOSED SIDEWALK SHALL REMAIN CLOSED TO PEDESTRIANS FOR THE DURATION OF THE CONTRACT UNLESS OTHERWISE NOTED ON THE PLANS. THE CLOSURE SHALL BE MAINTAINED WITH A TYPE 3 BARRICADE WITH A "SIDEWALK CLOSED" R9-9 SIGN.

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NO. 31957-011, CADD, CSO, L-5273.dgn  
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ADDENDUMS / REVISIONS	

**NOT TO SCALE**

**SR 273 SIDEWALK,  
OLD BALTIMORE PIKE  
TO EAGLE RUN ROAD**

CONTRACT	BRIDGE NO.	<b>N/A</b>
T201500701	DESIGNED BY:	D.N.P.
COUNTY	CHECKED BY:	T.A.O.
NEW CASTLE		

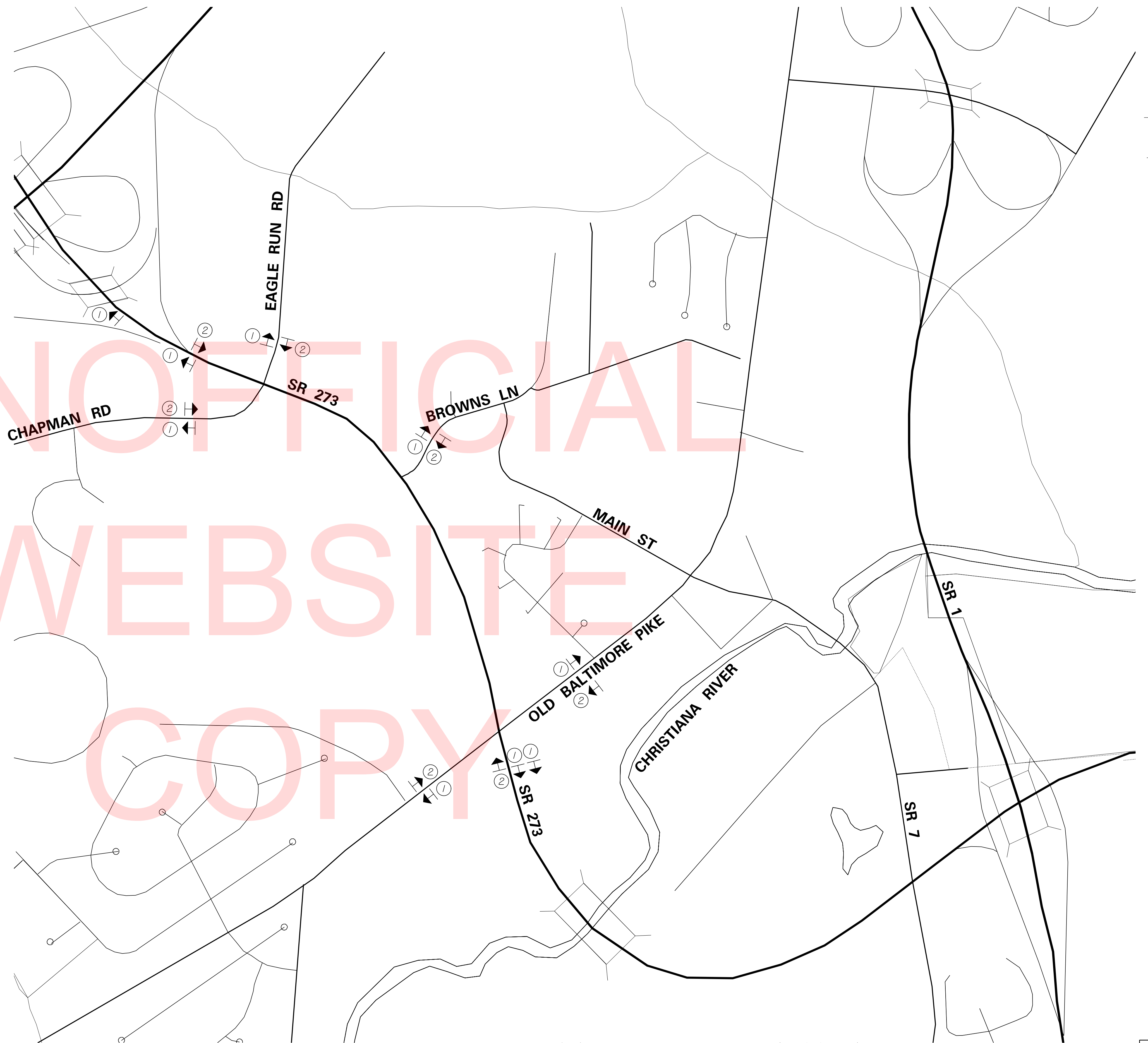
<b>GENERAL TRAFFIC CONTROL NOTES</b>	SHEET NO.
	20
	TOTAL SHTS.
	34

**CS-01**

**WARNING SIGN LEGEND**

 W20-1 48" x 48" ①	 G20-2 48" x 24" ②
-----------------------------	-----------------------------

- NOTES:**
1. PLACE ALL WARNING SIGNS SHOWN ON THIS PLAN PRIOR TO THE BEGINNING OF CONSTRUCTION. ALL WARNING SIGNS SHALL BE PAID FOR UNDER ITEM 810001 - TEMPORARY WARNING SIGNS AND PLAQUES.
  2. SEE INDIVIDUAL PHASING PLANS FOR PLACEMENT OF TEMPORARY WARNING SIGNS. LOCATION OF ALL WARNING SIGNS SHALL BE COORDINATED WITH THE ENGINEER.



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WEBSITE  
COPY



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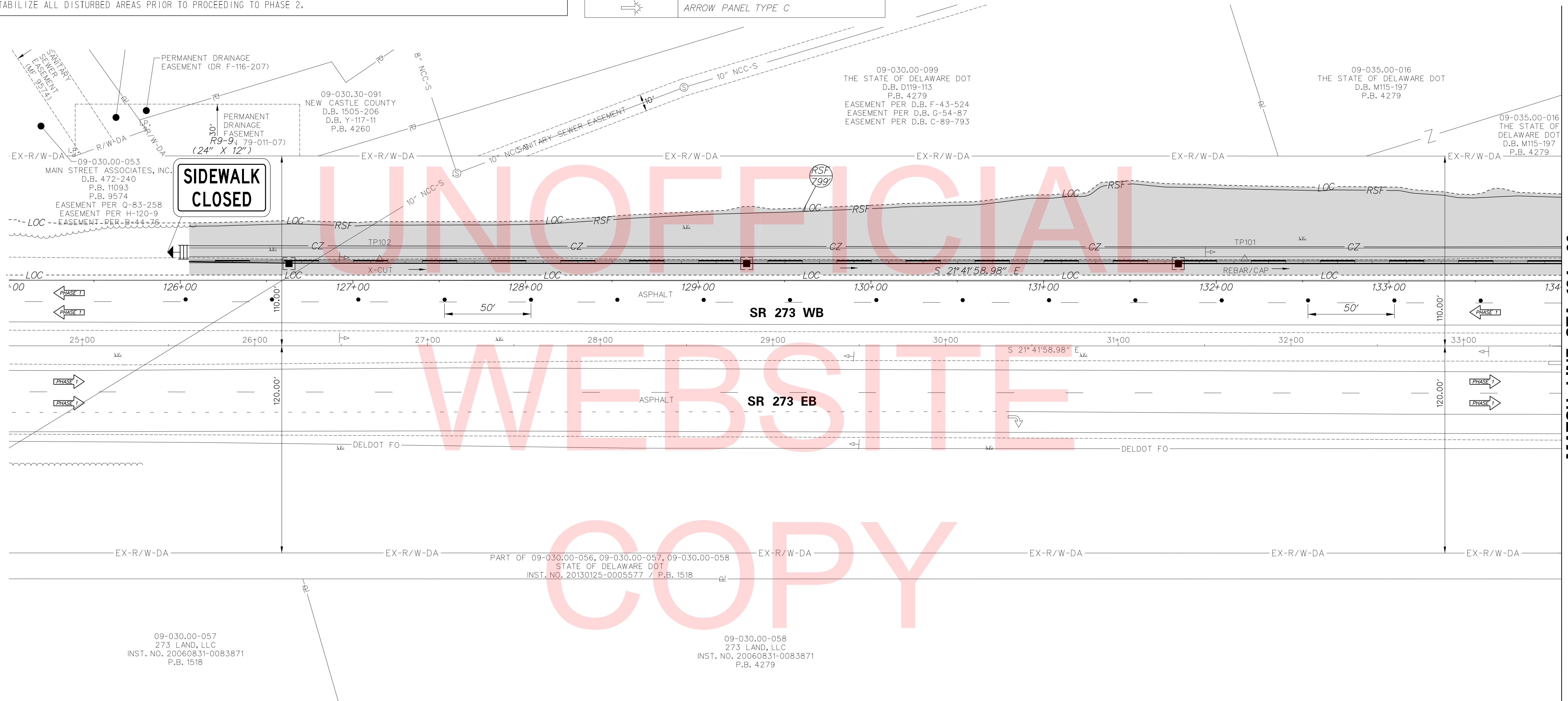
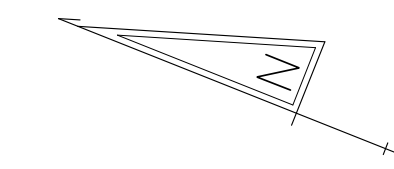
CONTRACT	BRIDGE NO.	<b>N/A</b>
T201500701	DESIGNED BY:	D.N.P.
COUNTY	CHECKED BY:	T.A.O.
NEW CASTLE		

PHASE I - SEQUENCE OF CONSTRUCTION

- 1 PLACE ALL WARNING SIGNS AS SHOWN ON THE CONSTRUCTION PHASING, MOT AND EROSION CONTROL PLANS IN ACCORDANCE WITH THE DE MUTCD.
- 2 INSTALL ALL EROSION AND SEDIMENT CONTROL DEVICES FOR PHASE I CONSTRUCTION, AS SHOWN ON PLAN.
- 3 INSTALL RIGHT-TURN LANE CLOSURE ALONG SOUTHBOUND OLD BALTIMORE PIKE AS SHOWN ON CS-04 AND CS-05.
- 4 INSTALL LANE CLOSURE ALONG WESTBOUND SR 273 IN ACCORDANCE WITH TYPICAL APPLICATION 33 IN THE DELAWARE MUTCD.
- 5 BEGINNING AT THE OUTFALL AND WORKING UPSTREAM, CONSTRUCT PROPOSED STORM DRAIN FROM STA. 126+00 TO STA. 137+50 LT.
- 6 EXCAVATE FOR AND INSTALL PROPOSED CURB AND SIDEWALK ON THE NORTH SIDE OF SR 273 FROM STA. 126+00 TO OLD BALTIMORE PK.
- 7 STABILIZE ALL DISTURBED AREAS PRIOR TO PROCEEDING TO PHASE 2.

CONSTRUCTION PHASING & M.O.T	
	BARRICADE, TYPE 3
	CONSTRUCTION WARNING SIGN LOCATION
	CONSTRUCTION WARNING SIGN
	DRUM - TRAFFIC CONTROL
	FLAGGER LOCATION
	PHASING TRAFFIC FLOW ARROW
	WORK AREA - ACTIVE PHASE
	ARROW PANEL TYPE C

EROSION & SEDIMENT CONTROL	
	COMPOST FILTER LOG
	INLET SEDIMENT CONTROL
	SILT FENCE
	SILT FENCE / LENGTH
	SILT FENCE - REINFORCED
	REINFORCED SILT FENCE / LENGTH



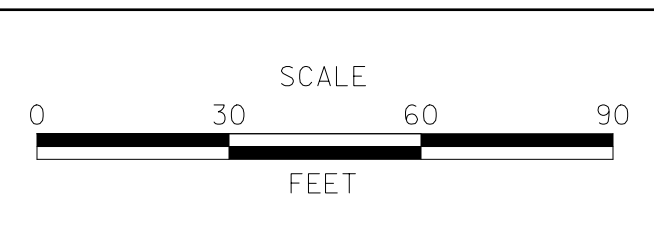
MATCH LINE STA. 134+00

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ADDENDUMS / REVISIONS	



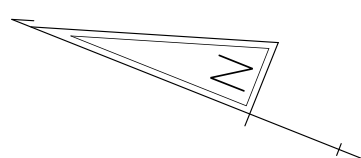
**SR 273 SIDEWALK,  
OLD BALTIMORE PIKE  
TO EAGLE RUN ROAD**

CONTRACT T201500701	BRIDGE NO. NA
COUNTY NEW CASTLE	DESIGNED BY: D.N.P. CHECKED BY: T.A.O.

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

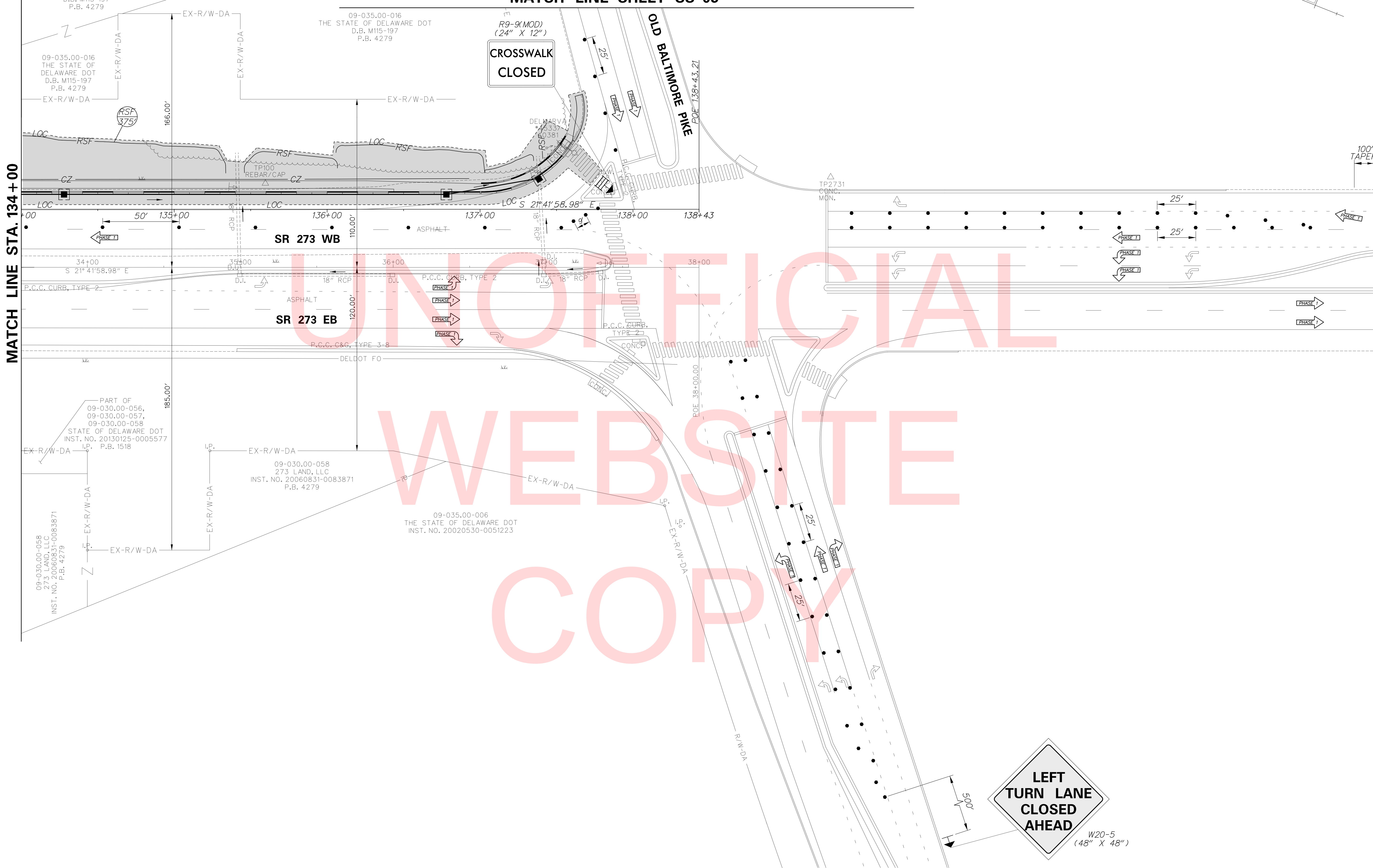
CS-03
SHEET NO. 22
TOTAL SHTS. 34

MATCH LINE SHEET CS-05



MATCH LINE STA. 134+00

MATCH LINE SHEET CS-05



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CROSSWALK CLOSED

LEFT TURN LANE CLOSED AHEAD  
W20-5 (48" X 48")

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ADDENDUMS / REVISIONS	

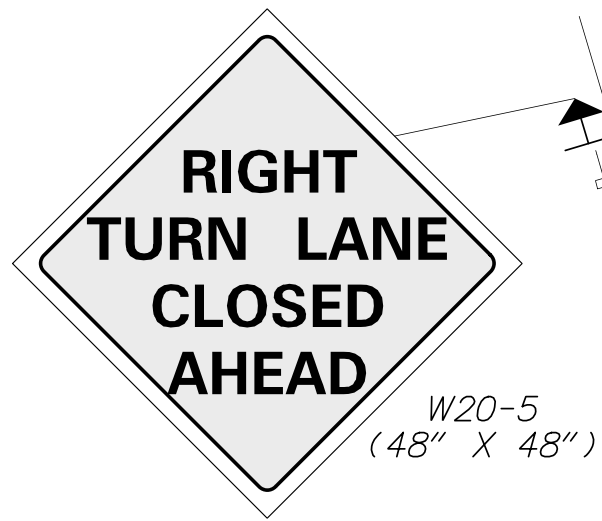
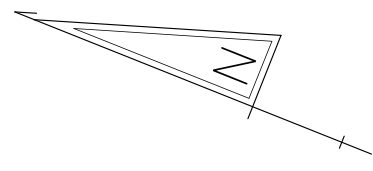


**SR 273 SIDEWALK,  
OLD BALTIMORE PIKE  
TO EAGLE RUN ROAD**

CONTRACT T201500701	BRIDGE NO. NA
COUNTY NEW CASTLE	DESIGNED BY: D.N.P. CHECKED BY: T.A.O.

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

CS-04
SHEET NO. 23
TOTAL SHTS. 34



OLD BALTIMORE PIKE

MATCH LINE SHEET CS-04

MATCH LINE SHEET CS-04

R3-20-DE  
(18\"/>



100' TAPER

600' LANE SHIFT TAPER  
(12' OFFSET @ 50 MPH)

200' SHOULDER TAPER  
(12' OFFSET @ 50 MPH)

SR 273 WB

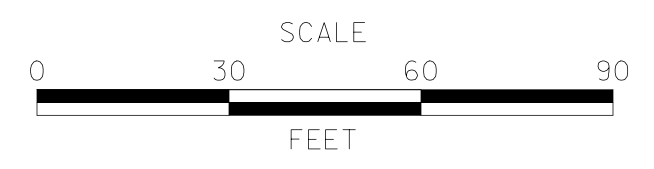
SR 273 EB

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DW 3/9/2017 9:58:13 AM



ADDENDUMS / REVISIONS	



SR 273 SIDEWALK,  
OLD BALTIMORE PIKE  
TO EAGLE RUN ROAD

CONTRACT	BRIDGE NO.	<b>NA</b>
T201500701	DESIGNED BY:	D.N.P.
COUNTY	CHECKED BY:	T.A.O.
NEW CASTLE		

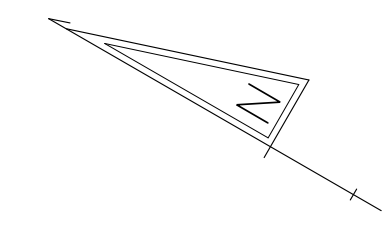
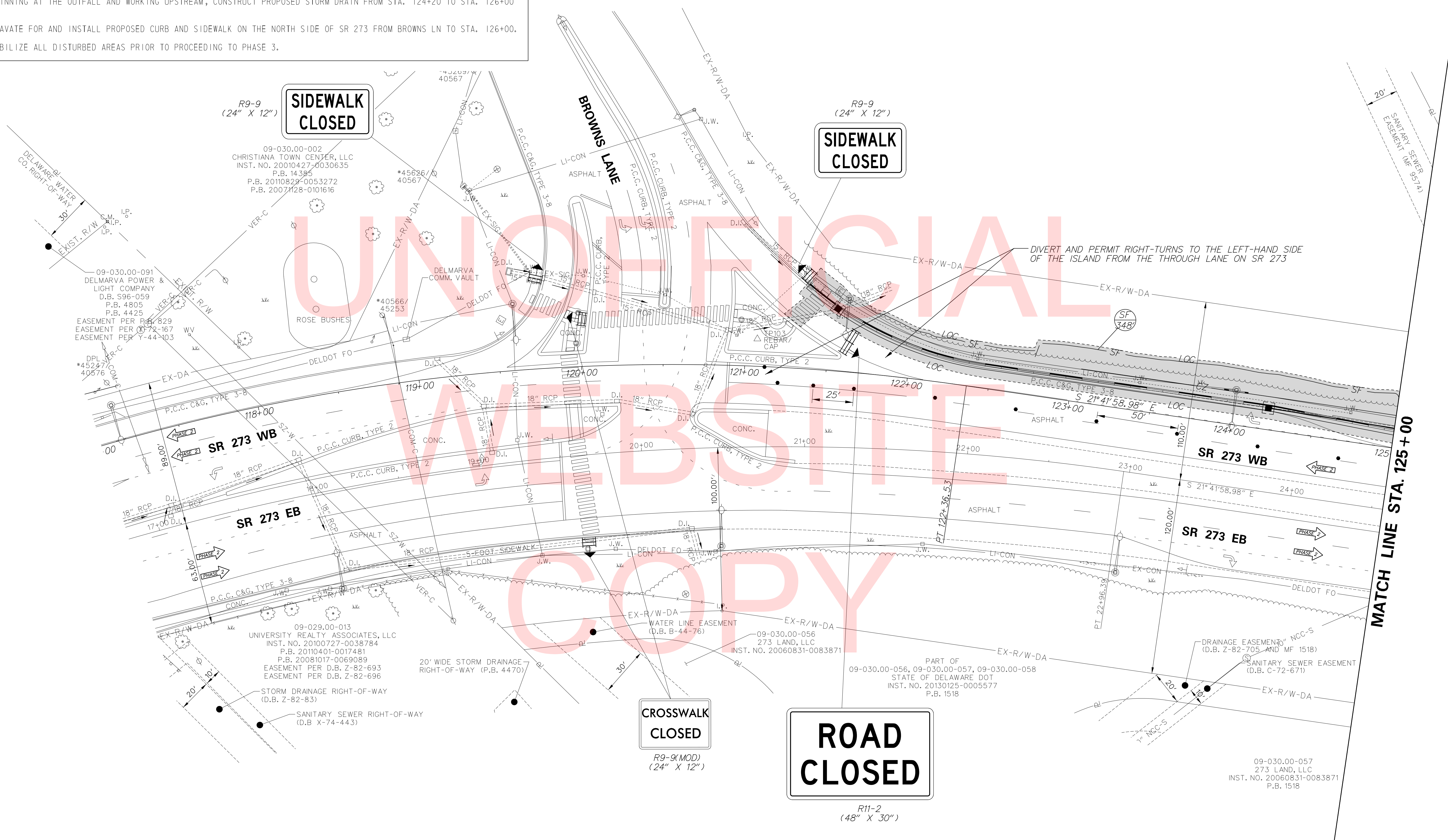
CONSTRUCTION PHASING,  
M.O.T. AND EROSION  
CONTROL PLANS - PHASE 1

<b>CS-05</b>
SHEET NO.
24
TOTAL SHTS.
34



PHASE 2 - SEQUENCE OF CONSTRUCTION

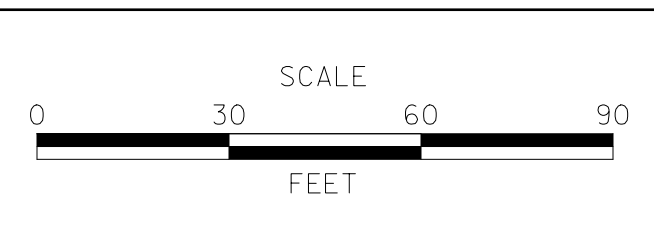
- 1 PLACE ALL WARNING SIGNS AS SHOWN ON THE CONSTRUCTION PHASING, MOT AND EROSION CONTROL PLANS IN ACCORDANCE WITH THE DE MUTCD.
- 2 INSTALL ALL EROSION AND SEDIMENT CONTROL DEVICES FOR PHASE 2 CONSTRUCTION, AS SHOWN ON PLAN.
- 3 INSTALL LANE CLOSURE ALONG WESTBOUND SR 273 IN ACCORDANCE WITH TYPICAL APPLICATION 33 IN THE DELAWARE MUTCD.
- 4 BEGINNING AT THE OUTFALL AND WORKING UPSTREAM, CONSTRUCT PROPOSED STORM DRAIN FROM STA. 124+20 TO STA. 126+00 LT.
- 5 EXCAVATE FOR AND INSTALL PROPOSED CURB AND SIDEWALK ON THE NORTH SIDE OF SR 273 FROM BROWNS LN TO STA. 126+00.
- 6 STABILIZE ALL DISTURBED AREAS PRIOR TO PROCEEDING TO PHASE 3.



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ADDENDUMS / REVISIONS

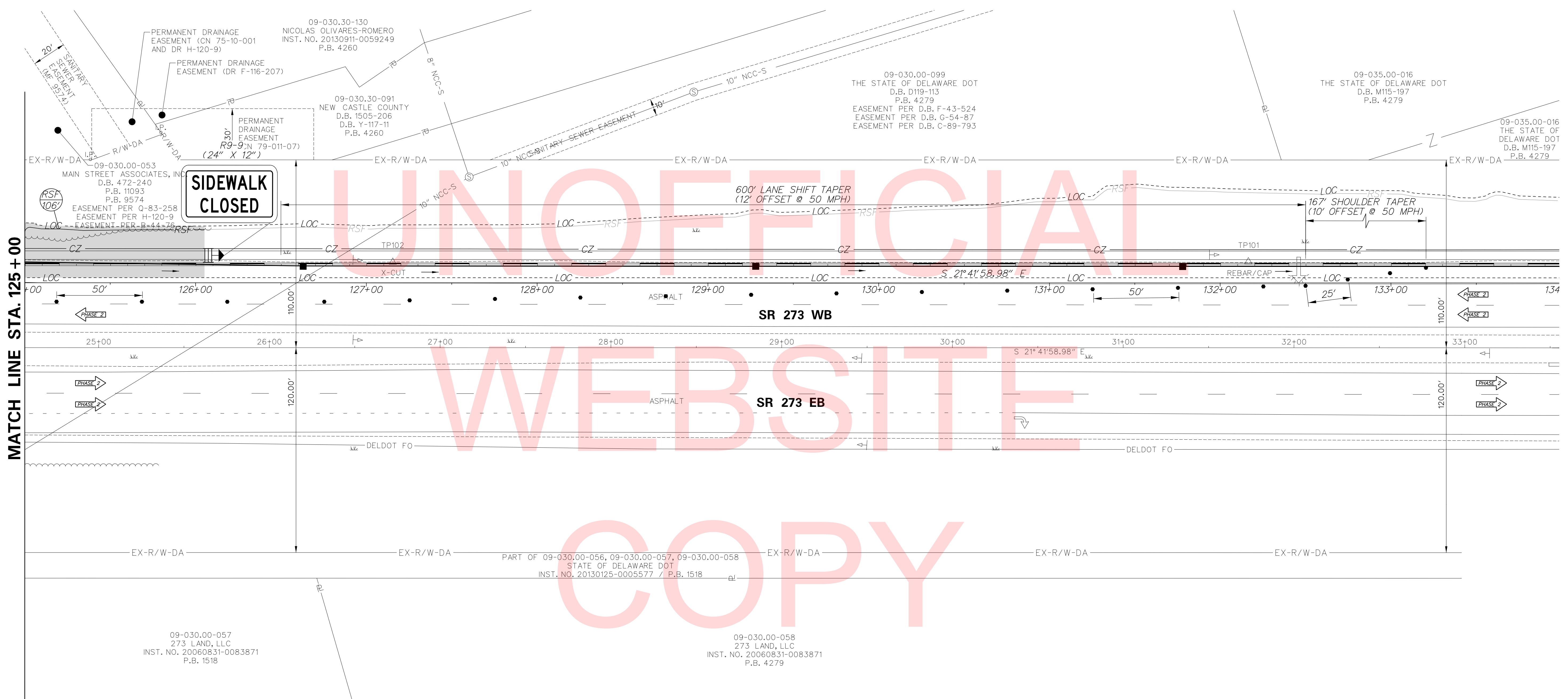
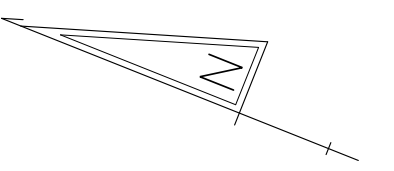


**SR 273 SIDEWALK,  
OLD BALTIMORE PIKE  
TO EAGLE RUN ROAD**

CONTRACT	BRIDGE NO.	<b>NA</b>
T201500701	DESIGNED BY:	D.N.P.
COUNTY	CHECKED BY:	T.A.O.
NEW CASTLE		

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

<b>CS-06</b>
SHEET NO.
25
TOTAL SHTS.
34



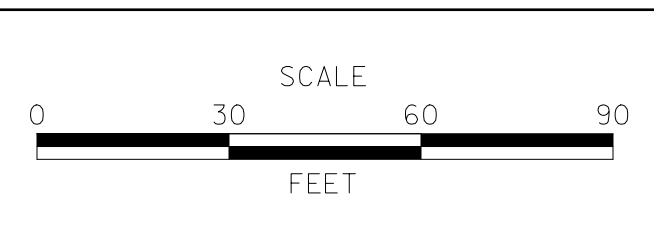
MATCH LINE STA. 125 + 00

UNOFFICIAL  
WEBSITE  
COPY

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ADDENDUMS / REVISIONS	



**SR 273 SIDEWALK,  
OLD BALTIMORE PIKE  
TO EAGLE RUN ROAD**

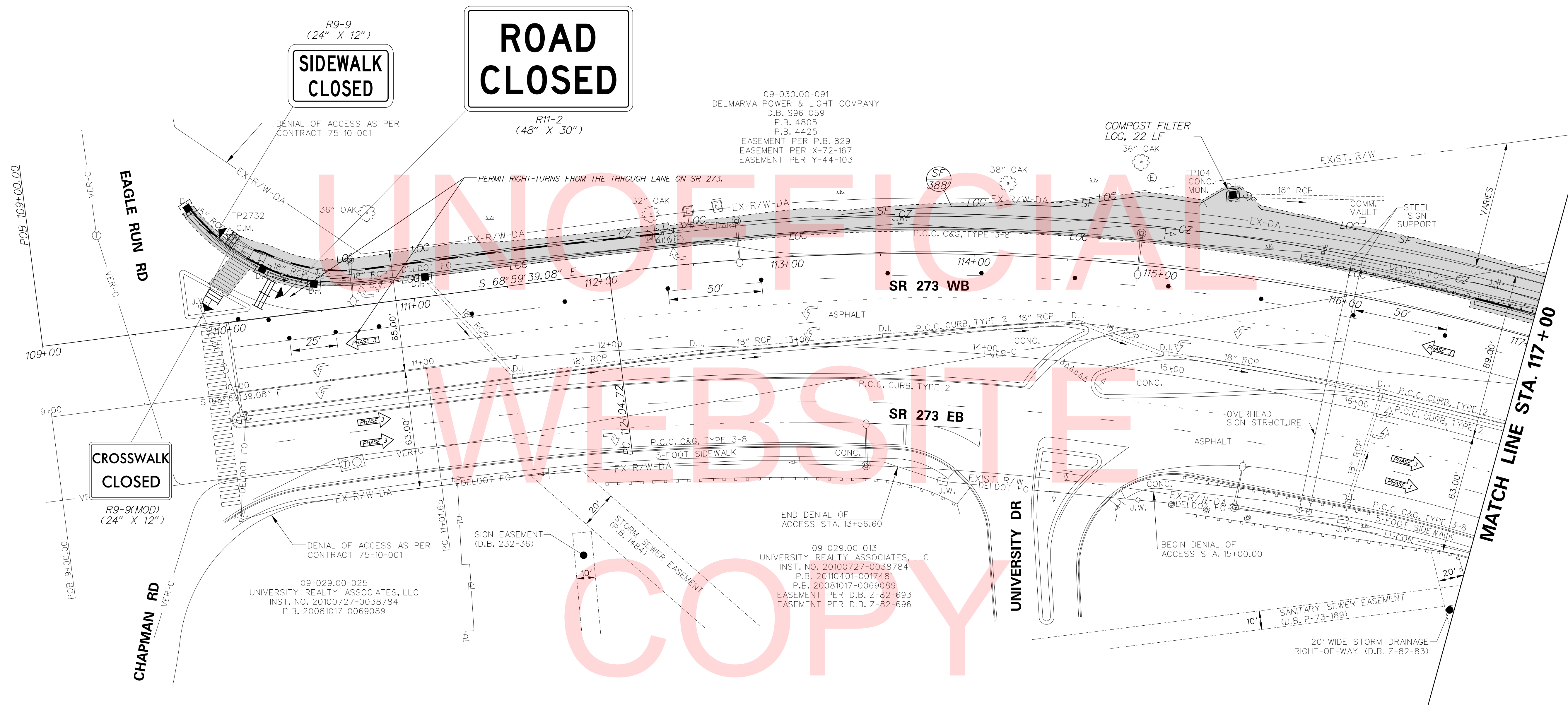
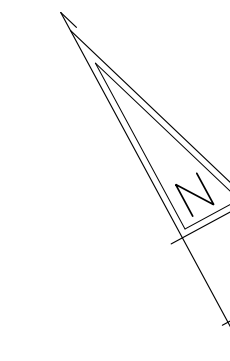
CONTRACT T201500701	BRIDGE NO. 	<b>NA</b>
COUNTY NEW CASTLE	DESIGNED BY: D.N.P.	CHECKED BY: T.A.O.

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

<b>CS-07</b>
SHEET NO. 26
TOTAL SHTS. 34

PHASE 3 - SEQUENCE OF CONSTRUCTION

- ① PLACE ALL WARNING SIGNS AS SHOWN ON THE CONSTRUCTION PHASING, MOT AND EROSION CONTROL PLANS IN ACCORDANCE WITH THE DE MUTCD.
- ② INSTALL ALL EROSION AND SEDIMENT CONTROL DEVICES FOR PHASE 3 CONSTRUCTION, AS SHOWN ON PLAN.
- ③ INSTALL LANE CLOSURE ALONG WESTBOUND SR 273 IN ACCORDANCE WITH TYPICAL APPLICATION 33 IN THE DELAWARE MUTCD.
- ④ EXCAVATE FOR AND INSTALL PROPOSED CURB, SIDEWALK, CURB WALL, GUARDRAIL, AND MAINTENANCE PAVEMENT ON THE NORTH SIDE OF SR 273 FROM EAGLE RUN RD TO BROWNS LN, AS SHOWN ON THE PLANS.
- ⑤ REMOVE ALL E&S DEVICES AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH CONCURRENCE FROM DELDOT'S STORMWATER ENGINEER.



**ROAD CLOSED**  
R11-2  
(48" X 30")

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

**CROSSWALK CLOSED**  
R9-9(MOD)  
(24" X 12")



ADDENDUMS / REVISIONS



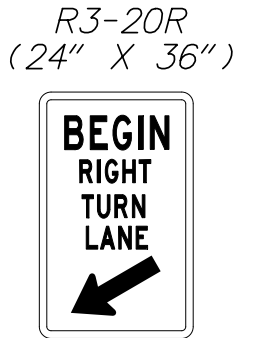
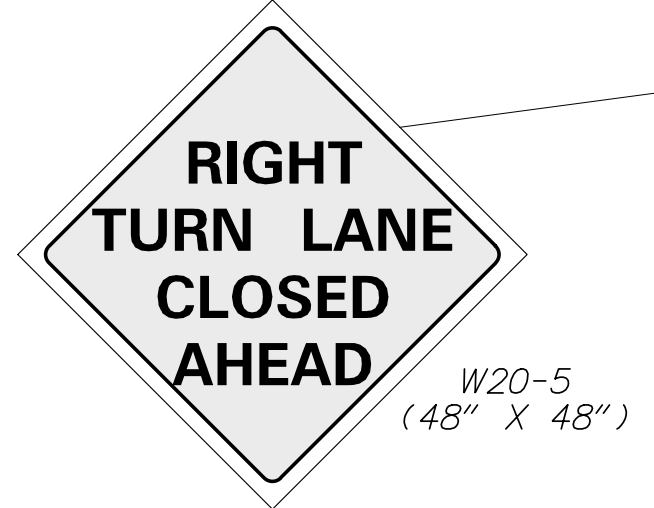
**SR 273 SIDEWALK,  
OLD BALTIMORE PIKE  
TO EAGLE RUN ROAD**

CONTRACT T201500701	BRIDGE NO. 	<b>NA</b>
COUNTY NEW CASTLE	DESIGNED BY: D.N.P.	CHECKED BY: T.A.O.

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

<b>CS-08</b>
SHEET NO. 27
TOTAL SHTS. 34

No. 31957-011A.dwg, VCS08 - S273.dgn  
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09-030.00-053  
MAIN STREET ASSOCIATES, INC.  
D.B. 472-240  
P.B. 11093  
P.B. 9574  
EASEMENT PER Q-83-258  
EASEMENT PER H-120-9  
EASEMENT PER B-44-76

MATCH LINE STA. 117+00

MATCH LINE STA. 125+00

SR 273 WB  
SR 273 EB

SR 273 WB  
SR 273 EB

**DELAWARE**  
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS



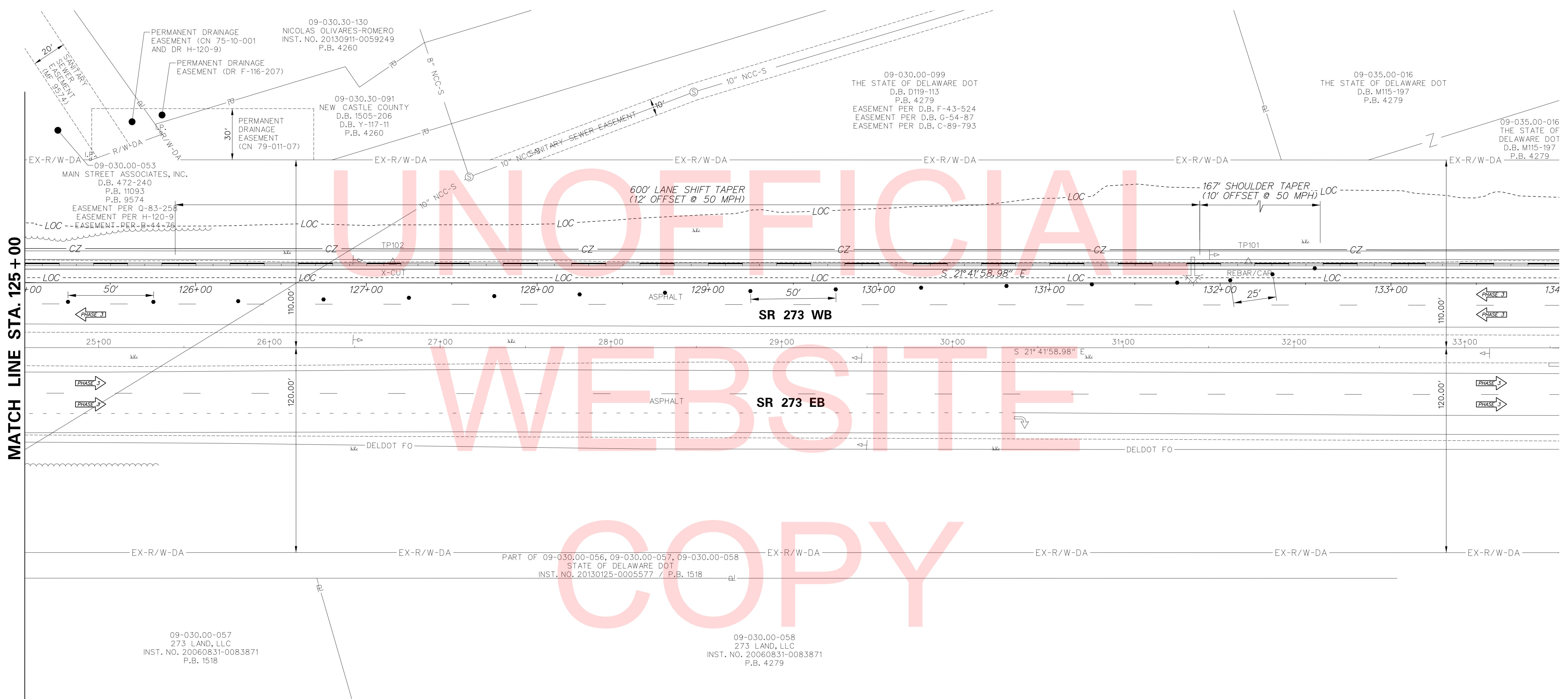
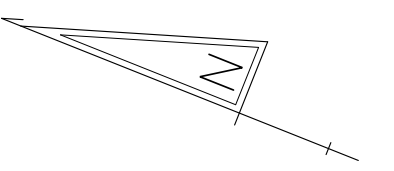
**SR 273 SIDEWALK,  
OLD BALTIMORE PIKE  
TO EAGLE RUN ROAD**

CONTRACT	BRIDGE NO.	<b>NA</b>
T201500701	DESIGNED BY: D.N.P.	
COUNTY	CHECKED BY: T.A.O.	
NEW CASTLE		

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

<b>CS-09</b>
SHEET NO.
28
TOTAL SHTS.
34

NO. 33957-011A.CADD. VCS09 - S273.dgn  
07/27/2017 09:58:16 AM



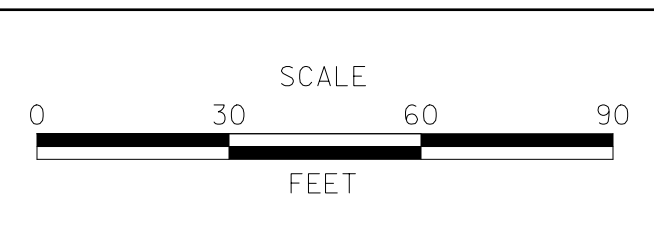
MATCH LINE STA. 125 + 00

UNOFFICIAL  
WEBSITE  
COPY

NO. 31957-011A.CADD\_CS10\_S273.dgn  
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ADDENDUMS / REVISIONS	



**SR 273 SIDEWALK,  
OLD BALTIMORE PIKE  
TO EAGLE RUN ROAD**

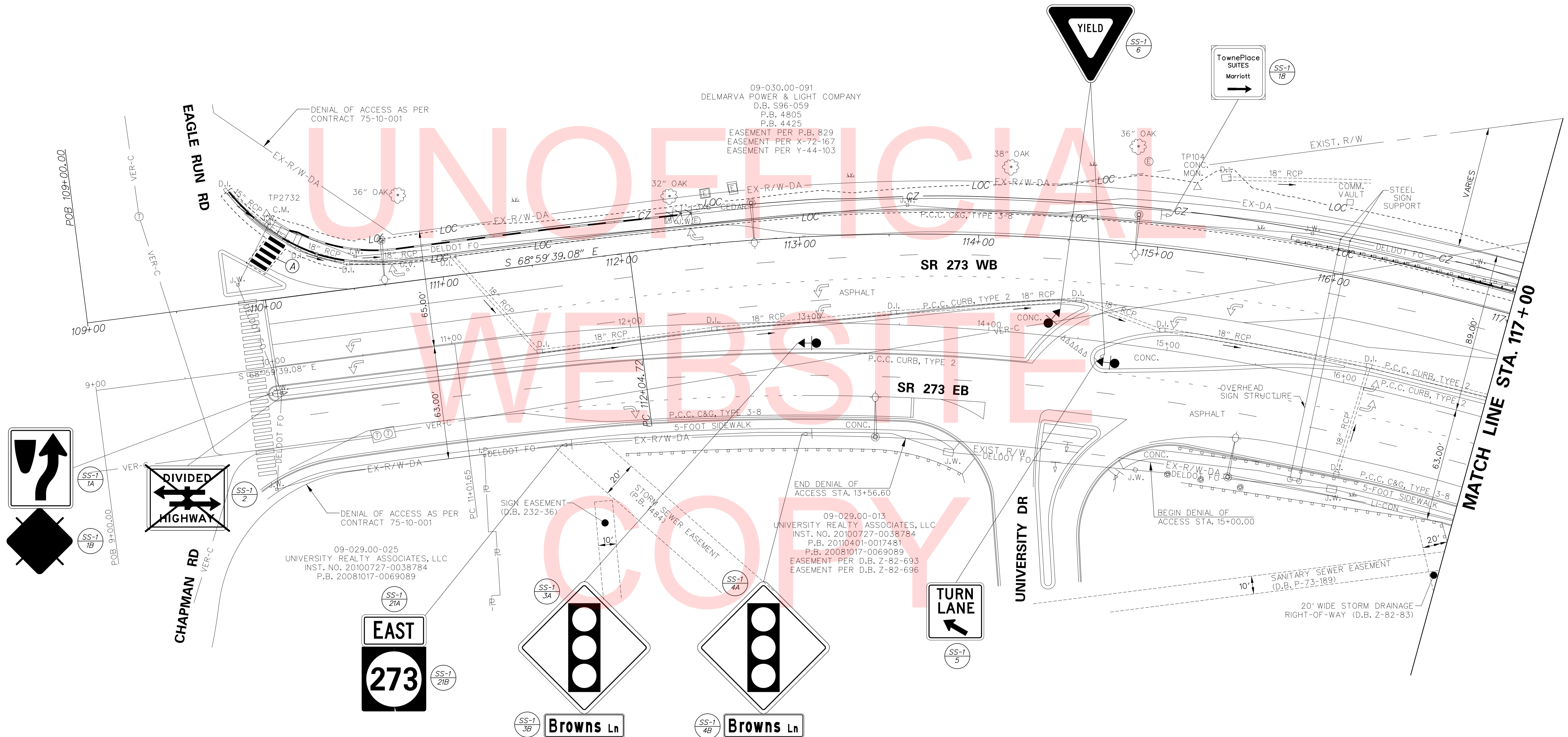
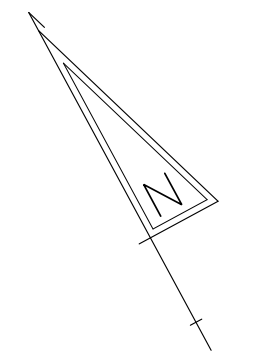
CONTRACT T201500701	BRIDGE NO. <b>NA</b>
COUNTY NEW CASTLE	DESIGNED BY: D.N.P. CHECKED BY: T.A.O.

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

<b>CS-10</b>
SHEET NO. 29
TOTAL SHTS. 34

**PAVEMENT MARKINGS LEGEND**

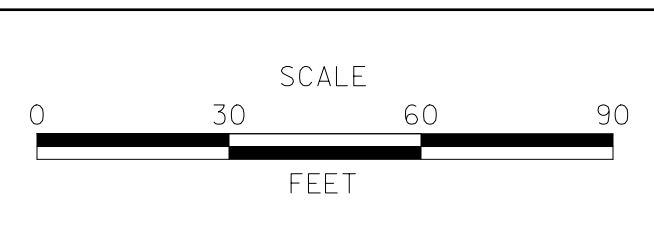
SYMBOL	ITEM	QUANTITY
(A)	10' X 2' PERMANENT PAVEMENT STRIPING, SYMBOL / LEGEND ALKYD-THERMOPLASTIC (ITEM 817002)	100 SF



NO. 31957-011A.CADD.SS01\_S273.dgn 01/27/2017 05:58:16 AM



ADDENDUMS / REVISIONS



**SR 273 SIDEWALK,  
OLD BALTIMORE PIKE  
TO EAGLE RUN ROAD**

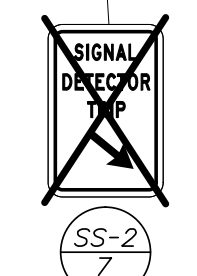
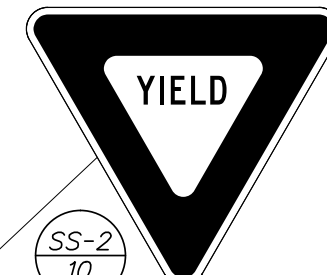
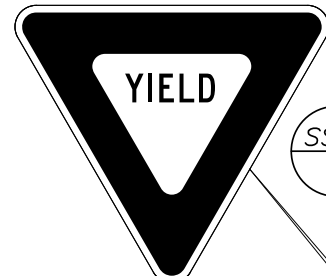
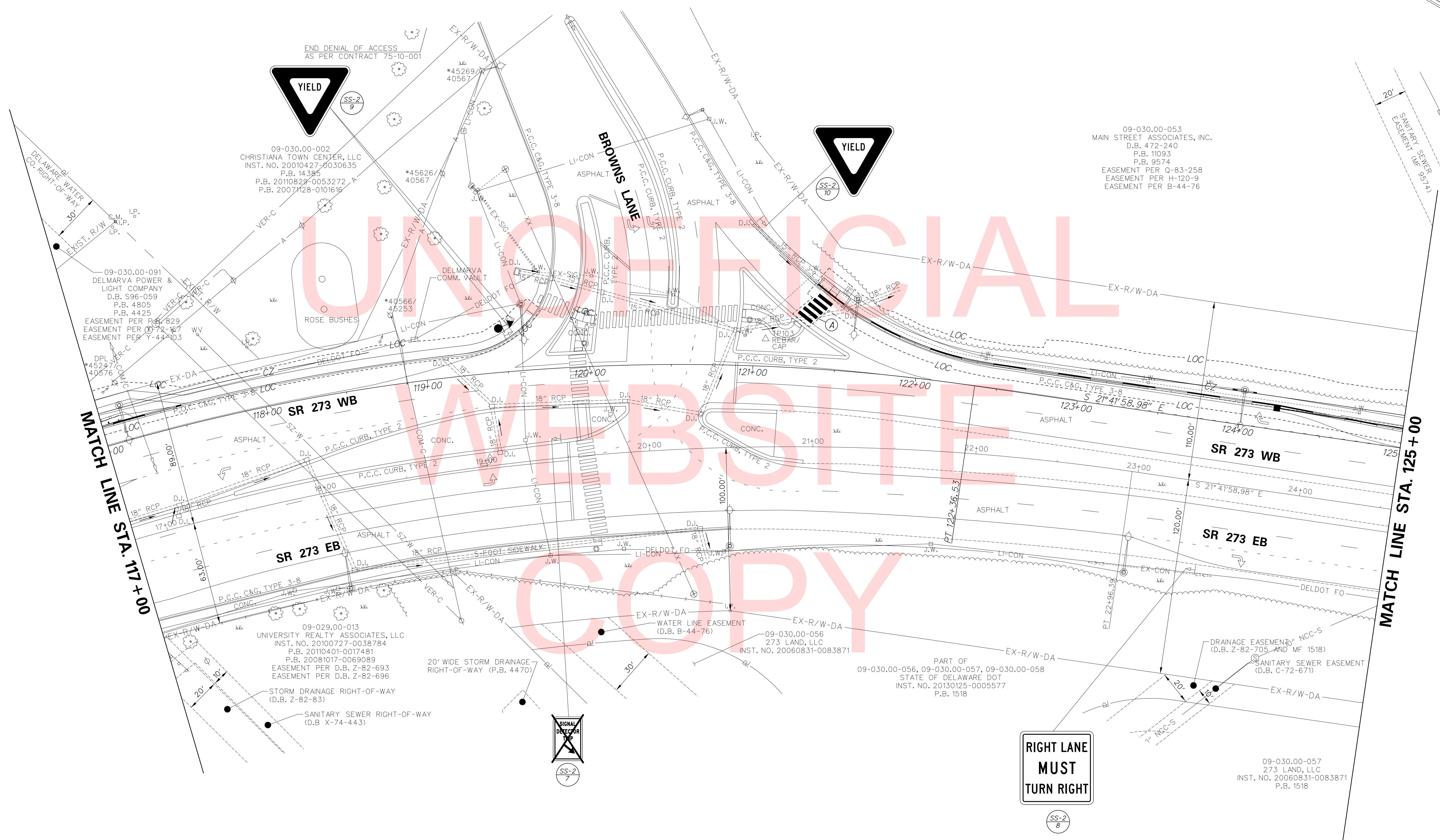
CONTRACT T201500701	BRIDGE NO. NA
COUNTY NEW CASTLE	DESIGNED BY: D.N.P. CHECKED BY: T.A.O.

**SIGNING, STRIPING &  
CONDUIT PLAN**

SS-01
SHEET NO. 30
TOTAL SHTS. 34

**PAVEMENT MARKINGS LEGEND**

SYMBOL	ITEM	QUANTITY
(A)	10' X 2' PERMANENT PAVEMENT STRIPING, SYMBOL / LEGEND ALKYD-THERMOPLASTIC (ITEM 817002)	100 SF



09-030.00-053  
 MAIN STREET ASSOCIATES, INC.  
 D.B. 472-240  
 P.B. 11093  
 P.B. 9574  
 EASEMENT PER Q-83-258  
 EASEMENT PER H-120-9  
 EASEMENT PER B-44-76

MATCH LINE STA. 117+00

MATCH LINE STA. 125+00

SR 273 WB

SR 273 EB

SR 273 WB

SR 273 EB

NO. 31957-011, CADD, SSS02, S273.dgn  
 01/27/2017 09:58:19 AM



ADDENDUMS / REVISIONS



**SR 273 SIDEWALK,  
 OLD BALTIMORE PIKE  
 TO EAGLE RUN ROAD**

CONTRACT T201500701	BRIDGE NO. NA
COUNTY NEW CASTLE	DESIGNED BY: D.N.P. CHECKED BY: T.A.O.

**SIGNING, STRIPING &  
 CONDUIT PLAN**

SS-02
SHEET NO. 31
TOTAL SHTS. 34

NO. 31957-011A.CADD.SS03-S273.dgn  
DWG. 3/2017 05:58:40 AM



ADDENDUMS / REVISIONS	



**SR 273 SIDEWALK,  
OLD BALTIMORE PIKE  
TO EAGLE RUN ROAD**

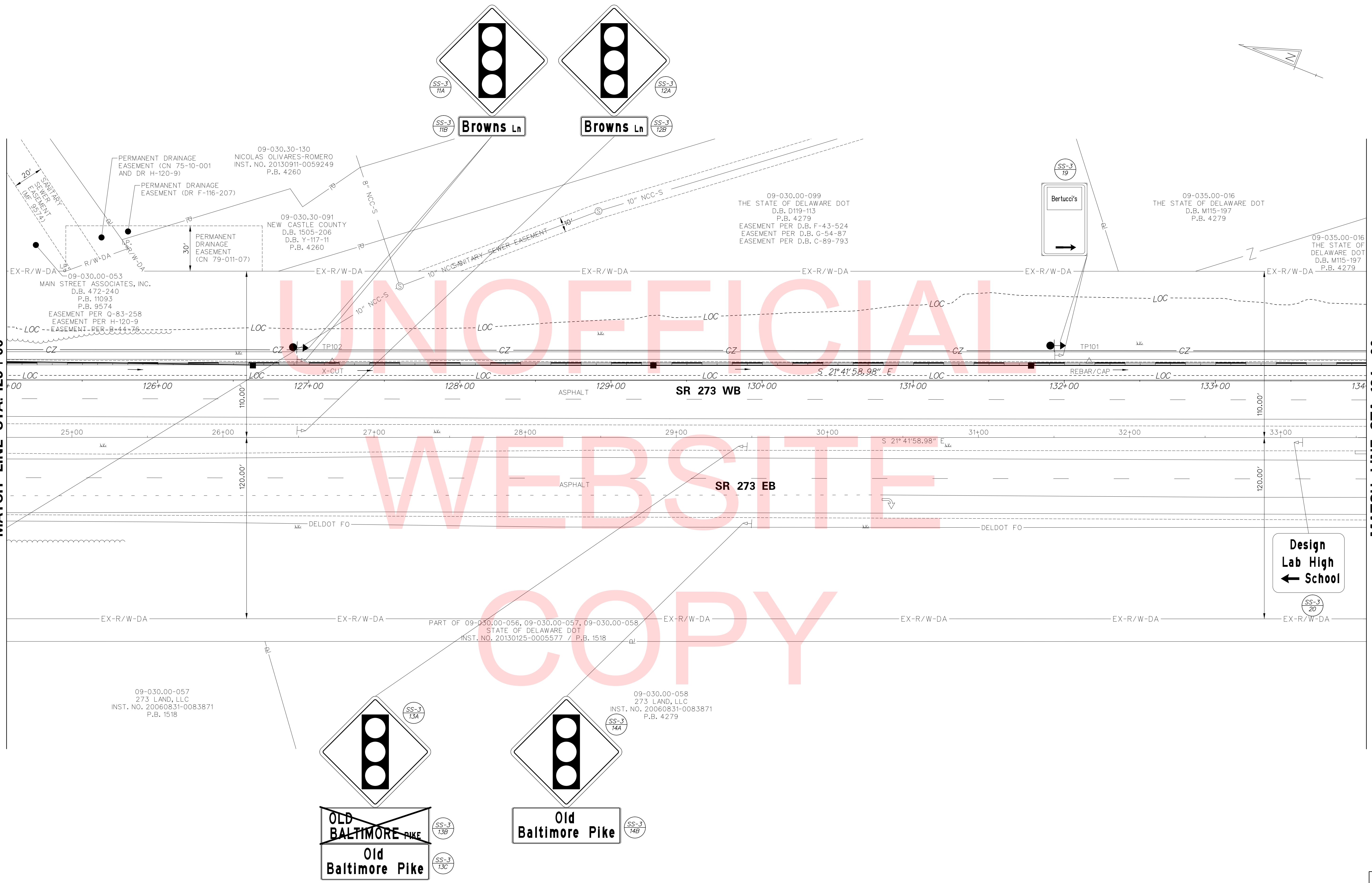
CONTRACT T201500701	BRIDGE NO. <b>NA</b>
COUNTY NEW CASTLE	DESIGNED BY: D.N.P. CHECKED BY: T.A.O.

**SIGNING, STRIPING &  
CONDUIT PLAN**

<b>SS-03</b>
SHEET NO. 32
TOTAL SHTS. 34

MATCH LINE STA. 125+00

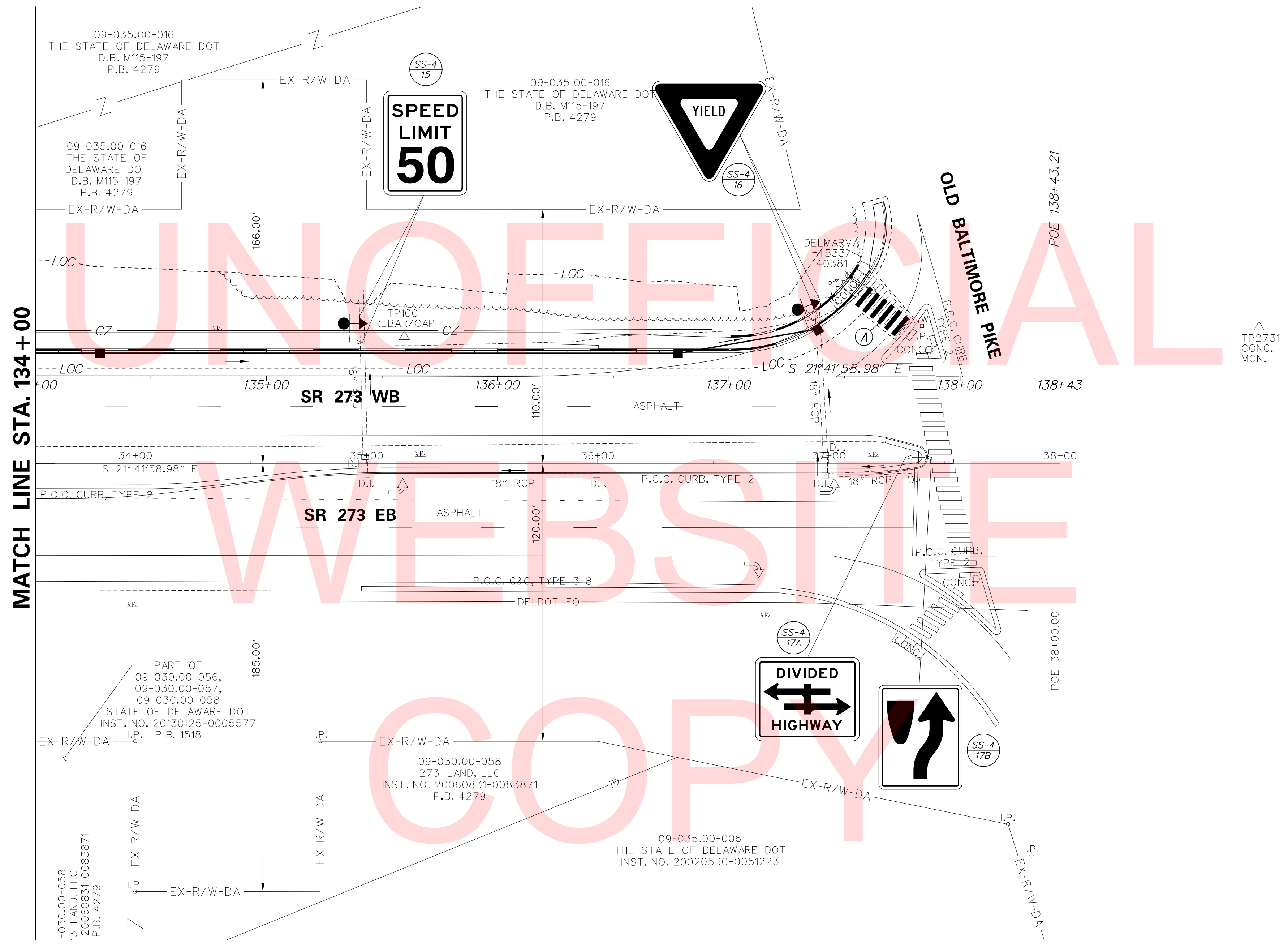
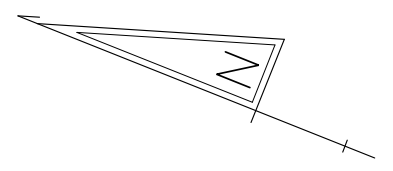
MATCH LINE STA. 134+00



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PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	10' X 2' PERMANENT PAVEMENT STRIPING, SYMBOL / LEGEND ALKYD-THERMOPLASTIC (ITEM 817002)	120 SF



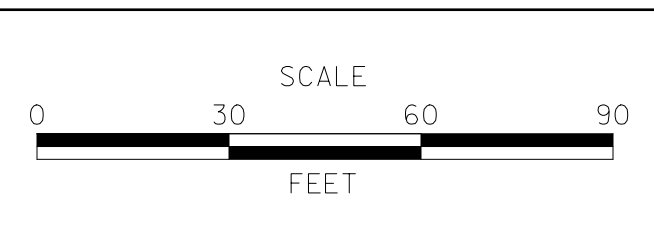
MATCH LINE STA. 134 + 00

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WEB SITE  
COPY

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07/27/2017 05:58:40 AM



ADDENDUMS / REVISIONS	



**SR 273 SIDEWALK,  
OLD BALTIMORE PIKE  
TO EAGLE RUN ROAD**

CONTRACT	BRIDGE NO.	<b>NA</b>
T201500701	DESIGNED BY:	D.N.P.
COUNTY	CHECKED BY:	T.A.O.
NEW CASTLE		

**SIGNING, STRIPING &  
CONDUIT PLAN**

<b>SS-04</b>
SHEET NO.
33
TOTAL SHTS.
34

PERMANENT SIGN SCHEDULE

#	SHEET NO.	PLAN IDENTIFIER	SIGN DESIGNATION	QTY.	DESCRIPTION	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	SIGN AREA (SF)	ITEM 819018 SINGLE POST (EACH)			ITEM 819019 INSTALLATION OR REMOVAL OF TRAFFIC SIGN(S) ON MULTIPLE SIGN POSTS (SF)			POST INSTALLATION TYPE	Code X11 12' Post (W/ Basepost)	ITEM 819016 4" HOLE, 0-6" (EACH)	ITEM 819017 4" HOLE, >6" (EACH)	REMARKS
									SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL					
	SS-01	1A			KEEP RIGHT (Symbol)				REMAIN										
	SS-01	1B			TYPE 1 OBJECT MARKER				REMOVE	1									
	SS-01	2			DIVDED HIGHWAY CROSSING				REMOVE	1									
877	SS-01	3A	W3-3(30)		SIGNAL AHEAD (Symbol) - 30x30	30"	30"	6.25	NEW		1			CONCRETE	1	1			
1367	SS-01	3B	W16-8P		ADVANCE STREET NAME (1 - line plaque)	30"	9"	1.875	NEW		1								"Browns Ln" 5"C/ 3"C
	SS-01	4A			SIGNAL AHEAD (Symbol)				REMAIN										
1367	SS-01	4B	W16-8P		ADVANCE STREET NAME (1 - line plaque)	30"	9"	1.875	ADD TO ASSEMBLY										"Browns Ln" 5"C/ 3"C
252	SS-01	5	R3-20-DE		TURN LANE	18"	18"	2.25	NEW		1			CONCRETE	1	1			
	SS-01	6			YIELD				REPOSITION	1	1			CONCRETE	1	1			
	SS-02	7			SIGNAL DETECTOR TRIP				REMOVE	1									
	SS-02	8			RIGHT LANE MUST TURN RIGHT				REMAIN										
	SS-02	9			YIELD				REPOSITION	1	1			SOIL	1				
	SS-02	10			YIELD				REMAIN										
	SS-03	11A			SIGNAL AHEAD (Symbol)				REPOSITION	1	1			SOIL	1				
1367	SS-03	11B	W16-8P		ADVANCE STREET NAME (1 - line plaque)	30"	9"	1.875	ADD TO ASSEMBLY		1								"Browns Ln" 5"C/ 3"C
	SS-03	12A			SIGNAL AHEAD (Symbol)				REMAIN										
1367	SS-03	12B	W16-8P		ADVANCE STREET NAME (1 - line plaque)	30"	9"	1.875	ADD TO ASSEMBLY		1								"Browns Ln" 5"C/ 3"C
	SS-03	13A			SIGNAL AHEAD (Symbol)				REMAIN										
	SS-03	13B			ADVANCE STREET NAME (2 - line plaque)				REMOVE	1									
1368	SS-03	13C	W16-8aP		ADVANCE STREET NAME (2 - line plaque)	48"	18"	6.0	ADD TO ASSEMBLY		1								"Old Baltimore Pike" 5"C/ 3"C
	SS-03	14A			SIGNAL AHEAD (Symbol)				REMAIN										
	SS-03	14B			ADVANCE STREET NAME (2 - line plaque)				REMAIN										
	SS-04	15			Speed Limit (50 MPH)				REPOSITION	1	1			SOIL	1				
	SS-04	16			YIELD				REPOSITION	1	1			SOIL	1				
	SS-04	17A			DIVDED HIGHWAY CROSSING				REMAIN										
	SS-04	17B			KEEP RIGHT (Symbol)				REMAIN										
	SS-01	18			Service - Towne Place Suites				REMAIN										
	SS-03	19			Service - Bertucci's				REPOSITION	1	1			SOIL	1				
	SS-03	20			Destination (3-line)				REMAIN										"Design Lab High School"
	SS-01	21A			CARDINAL DIRECTION - EAST				REMAIN										
	SS-01	21B			US ROUTE (3-Digit Sign)				REMAIN										
<b>PAGE TOTALS</b>								22								8	3	0	
<b>JOB TOTALS</b>								22	10	12						8	3	0	

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ADDENDUMS / REVISIONS

NOT TO SCALE

SR 273 SIDEWALK,  
OLD BALTIMORE PIKE  
TO EAGLE RUN ROAD

CONTRACT	BRIDGE NO.	NA
T201500701	DESIGNED BY:	D.N.P.
COUNTY	CHECKED BY:	T.A.O.
NEW CASTLE		

SIGN SCHEDULE

SS-05
SHEET NO.
34
TOTAL SHTS.
34