

GENERAL LOCATION OF CONTRACT

# THE STATE OF DELAWARE DEPARTMENT OF TRANSPORTATION

U.S. CUSTOMARY  
UNITS

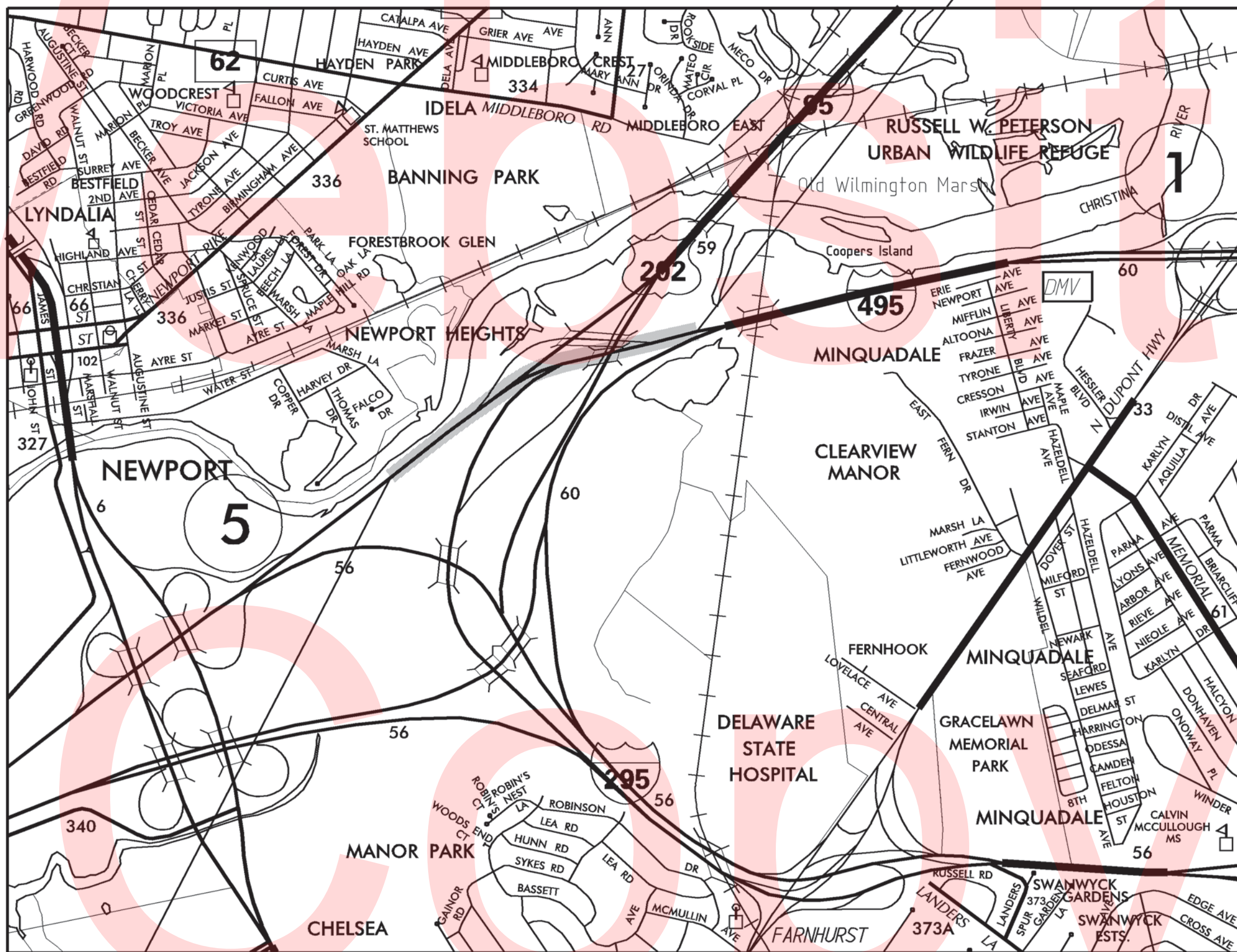


## CONSTRUCTION PLANS FOR: PAVEMENT AND REHABILITATION NORTH I, 2017

CONTRACT NUMBER: **T201706101**  
FEDERAL AID PROJECT NUMBER: **ESTP-2017(01)**

COUNTY: **NEW CASTLE** M.R. #: **060**

END CONTRACT  
STATION **55+10**



BEGIN CONTRACT  
STATION **8+64**

PREPARED BY  
THE CONSULTING FIRM OF  
RUMMEL, KLEPPER & KAHL, LLP



SEAL

*Nancy R. Bergeron*  
RECOMMENDED

06/22/2017  
DATE

RECOMMENDED

*[Signature]*  
SQUAD MANAGER, CONSTRUCTION

07/13/2017  
DATE

*[Signature]*  
GROUP ENGINEER, CONSTRUCTION

07/17/2017  
DATE

*[Signature]*  
ASSISTANT DIRECTOR, TRANSPORTATION SOLUTIONS  
(CONSTRUCTION)

07/19/2017  
DATE

RECOMMENDED

*Vincent W. Davis*  
STORMWATER ENGINEER

DATE 07/12/2017



SEAL

RECOMMENDED

*[Signature]*  
SQUAD MANAGER, TRANSPORTATION SOLUTIONS  
(PROJECT DEVELOPMENT OR BRIDGE DESIGN)

DATE 07/11/2017



SEAL

RECOMMENDED

BRIDGE DESIGN ENGINEER

DATE

SEAL

RECOMMENDED

*[Signature]*  
GROUP ENGINEER, PROJECT DEVELOPMENT

DATE 06/23/2017



SEAL

RECOMMENDED

*[Signature]*  
ASSISTANT DIRECTOR,  
TRANSPORTATION SOLUTIONS

DATE 07/19/2017



SEAL

APPROVED

*[Signature]*  
CHIEF ENGINEER

DATE 07/19/2017



SEAL

TOTAL SHEETS: 35

### APPROVED DESIGN EXCEPTIONS

DESIGN PARAMETER	REQUIRED	PROVIDED	DATE

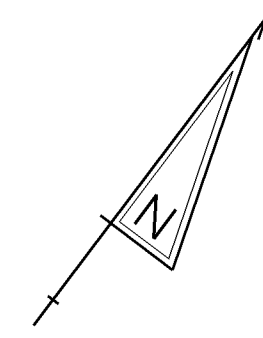
### ADDENDA & REVISIONS

DESCRIPTION	NAME & DATE

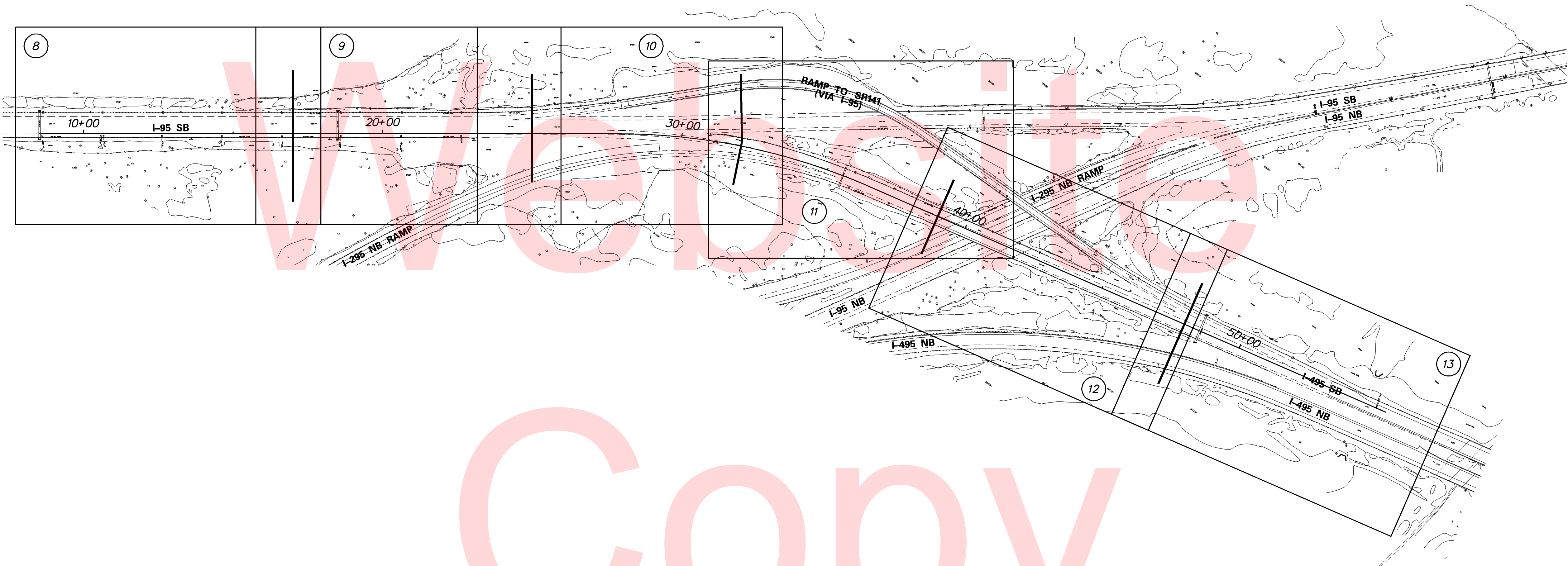
### ASSOCIATED CONTRACTS

CONTRACT NO.	CONTRACT NAME
78-091-03	CHRISTINA INTERCHANGE CONNECTION E & J
T201407107	I-495 BRIDGE CLOSURE OVER CHRISTINA RIVER
T201407004	CANTILEVER AND OVERHEAD SIGN STRUCTURES, OPEN-END, FY2016 - FY2018

PLAN SHEET INDEX CROSS REFERENCE						
CONSTRUCTION PLAN	8	9	10	11	12	13
CONSTRUCTION PHASING, M.O.T. AND E&S PLAN - PHASE 1	18	19	20	21	N/A	N/A
CONSTRUCTION PHASING, M.O.T. AND E&S PLAN - PHASE 2	N/A	N/A	22	23	N/A	N/A
SIGNING, STRIPING AND CONDUIT PLAN	26	27	28	29	30	31



Unofficial

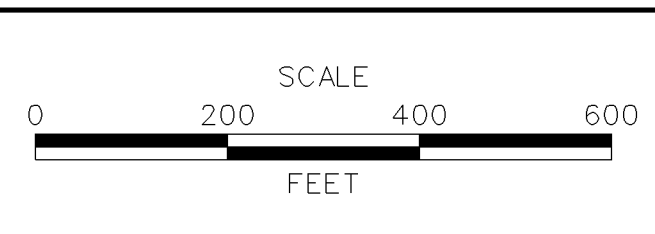


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ADDENDUMS / REVISIONS



**PAVEMENT AND REHABILITATION  
NORTH I, 2017**

CONTRACT T201706101	BRIDGE NO. <b>1-800</b>
COUNTY NEW CASTLE	DESIGNED BY: ZJS CHECKED BY: MJV

**PLAN SHEET INDEX**

SHEET NO. 2
TOTAL SHTS. 35



## GENERAL NOTES

1. THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE DELAWARE DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS", DATED AUGUST 2001 AND THE DELAWARE DEPARTMENT OF TRANSPORTATION "STANDARD CONSTRUCTION DETAILS", DATED 2001, INCLUDING ALL REVISIONS UP TO THE DATE OF ADVERTISEMENT.

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
( )	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.

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

( )	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.

( )	THE CONTRACTOR SHALL NOT BE REQUIRED TO HAVE AN ATSSA SUPERVISOR ASSIGNED TO THIS PROJECT.
( X )	THE CONTRACTOR SHALL HAVE AN ATSSA SUPERVISOR ASSIGNED TO THIS PROJECT. THE CONTRACTOR'S GENERAL SUPERINTENDENT FOR THIS PROJECT OR ANOTHER ATSSA CERTIFIED MEMBER OF THE CONTRACTOR'S PROJECT STAFF MAY BE THE ATSSA SUPERVISOR. PAYMENT FOR ATSSA SUPERVISOR IS INCIDENTAL TO ITEM 743000.
( )	THE CONTRACTOR SHALL HAVE AN ATSSA SUPERVISOR ASSIGNED TO THIS PROJECT. THE ATSSA SUPERVISOR'S SOLE JOB SHALL BE SUPERVISION OF THE INSTALLATION, OPERATION AND MAINTENANCE OF TRAFFIC CONTROL DEVICES FOR THIS PROJECT. THE CONTRACTOR'S GENERAL SUPERINTENDENT FOR THIS PROJECT SHALL NOT BE THE ATSSA SUPERVISOR. PAYMENT FOR ATSSA SUPERVISOR SHALL BE PAID FOR UNDER ITEM 743031.

6. THE DISTURBED AREA FOR THIS PROJECT IS 6.65 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 THREE YEAR PERIOD, BEGINNING ON THE DATE THE STORMWATER ENGINEER SIGNED THE CONSTRUCTION TITLE SHEET. IF THE FINAL ACCEPTANCE OF THE PROJECT IS ANTICIPATED TO EXTEND BEYOND THE THREE YEARS, THE CONTRACTOR 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

- 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 300

- THE CONTRACTOR MAY ELECT TO USE ANY OF THE FOLLOWING MATERIALS TO MEET THE REQUIREMENTS OF ITEM 302007 - GRADED AGGREGATE BASE COURSE, TYPE 'B':
  - CRUSHED STONE (PER STANDARD SPECIFICATION 821)
  - CRUSHED CONCRETE (PER STANDARD SPECIFICATION 821)
  - HOT-MIX MILLINGS (PER SPECIAL PROVISION 302514 MILLED HOT-MIX BASE COURSE)

THE CONTRACTOR WILL NOT BE ALLOWED TO MIX DIFFERENT MATERIALS (OR SIMILAR MATERIALS FROM DIFFERENT SOURCES) TO MEET THE REQUIREMENTS OF ITEM 302007 - GRADED AGGREGATE BASE COURSE, TYPE 'B'.

ALL OF THE ABOVE LISTED MATERIALS ARE PERMITTED FOR USE ON THE JOB, PROVIDED THEY ARE SEPARATED INTO APPROVED AREAS. EACH AREA OF BASE COURSE MUST BE CONSTRUCTED USING MATERIALS FROM A SINGULAR SOURCE, FULL DEPTH, IN ORDER THAT PROPER TESTING MAY BE ACCOMPLISHED. THE CONTRACTOR AND ENGINEER SHALL AGREE ON THE LIMITS OF EACH SOURCE OF MATERIAL PRIOR TO PLACEMENT.

B. THE QUANTITY USED FOR BASE OF EACH OF THE ABOVE LISTED MATERIALS WILL BE THE CONTRACTOR'S CHOICE, WITH THE TOTAL BEING EQUAL TO THE ACTUAL QUANTITY USED UNDER ITEM 302007 - GRADED AGGREGATE BASE COURSE, TYPE 'B'.

C. THE CONTRACTOR MAY ALSO ELECT TO RECYCLE MILLINGS FOR USE IN HOT-MIX AS PERMITTED BY THE STANDARD SPECIFICATIONS. THE CHOICE OF THE QUANTITY OF MILLINGS USED FOR THIS PURPOSE, OR FOR BASE COURSE, LIES WITH THE CONTRACTOR. ALL EXCESS MILLING MATERIAL SHALL BECOME PROPERTY OF THE CONTRACTOR.

D. HOT-MIX MILLINGS MAY BE GENERATED FROM THE FOLLOWING SOURCES:

- MATERIAL MADE AVAILABLE WHEN MILLED ON THIS CONTRACT UNDER ITEMS 760000 AND 760003.
- MATERIAL MILLED ON THIS CONTRACT AT THE CONTRACTOR'S CHOICE UNDER ITEM 202000.
- MILLED MATERIAL FURNISHED ON THE JOB FROM THE CONTRACTOR'S YARD OR OTHER OUTSIDE SOURCE. ALL MILLED MATERIALS SHALL MEET THE MATERIAL REQUIREMENTS OF ITEM 302514 - MILLED HOT-MIX BASE COURSE.

E. PAYMENT CLARIFICATION:

- SHOULD THE CONTRACTOR ELECT TO MILL PORTIONS OF HOT-MIX SHOWN ON THE PLANS TO BE REMOVED UNDER ITEM 202000 - EXCAVATION AND EMBANKMENT THE COST OF MILLING THIS HOT-MIX WILL BE PAID AS ITEM 202000 - EXCAVATION AND EMBANKMENT. THE MILLINGS GENERATED MAY BE RECYCLED INTO HOT-MIX, UTILIZED FOR BASE COURSE, OR DISPOSED OF TO AN APPROVED SITE. HAULING COSTS FOR DISPOSAL AND/OR RECYCLING ARE INCIDENTAL TO ITEM 202000 - EXCAVATION AND EMBANKMENT.
- MILLINGS GENERATED UNDER ITEM 760000 - PAVEMENT MILLING, BITUMINOUS CONCRETE AND ITEM 760003 - PAVEMENT MILLINGS, BITUMINOUS CONCRETE, VARIABLE DEPTH MAY BE RECYCLED INTO HOT-MIX, UTILIZED FOR BASE COURSE OR DISPOSED OF BY THE CONTRACTOR TO AN APPROVED SITE. NO SEPARATE PAYMENT WILL BE MADE FOR TRANSPORTING MILLINGS ON SITE OR TO AN APPROVED DISPOSAL SITE.
- SHOULD THE CONTRACTOR ELECT TO TEMPORARILY STOCKPILE MILLINGS ON THE JOB SITE FOR LATER USE, ALL COSTS FOR STOCKPILING AND SUBSEQUENT REHANDLING SHALL BE INCIDENTAL TO ITEM 202000 - EXCAVATION AND EMBANKMENT.
- MILLINGS USED FOR BASE COURSE SHALL BE PLACED IN ACCORDANCE WITH THE REQUIREMENTS OF SPECIAL PROVISION 302514 - MILLED HOT-MIX BASE COURSE. NO SEPARATE PAYMENT WILL BE MADE TO FURNISH MILLINGS FROM AN OUTSIDE SOURCE OR TRANSPORT MILLINGS WITHIN THE PROJECT LIMITS. MILLINGS USED FOR BASE COURSE WILL BE PAID FOR AT THE UNIT BID PRICE FOR ITEM 302007 - GRADED AGGREGATE BASE COURSE, TYPE 'B'.
- ALL COSTS TO UTILIZE MILLINGS IN RECYCLED HOT-MIX WILL BE INCIDENTAL TO THE UNIT PRICE BID FOR THE HOT-MIX ITEM USING THE RECYCLED MATERIAL.
- SPECIAL PROVISION 302514 - MILLED HOT-MIX BASE COURSE IS PROVIDED TO SPECIFY THE MEANS OF LAY DOWN AND COMPACTION AS WELL AS THE MATERIAL REQUIREMENTS FOR MILLINGS USED AS BASE COURSE. ALL COSTS TO BRING THE MILLINGS INTO COMPLIANCE WITH THE REQUIREMENTS OF ITEM - 302514 MILLED HOT-MIX BASE COURSE ARE INCIDENTAL TO ITEM 302007 - GRADED AGGREGATE BASE COURSE, TYPE 'B'. NO PAYMENT WILL BE MADE FOR ITEM 302514 - MILLED HOT-MIX BASE COURSE. THE QUANTITY OF MILLINGS USED FOR BASE COURSE WILL BE PAID FOR UNDER ITEM 302007 - GRADED AGGREGATE BASE COURSE.

### SECTION 600

- THE DEPARTMENT AND THE CONTRACTOR SHALL INSPECT ALL EXISTING PIPES AND DRAINAGE STRUCTURES TO BE USED IN THE FINAL DRAINAGE SYSTEM AND AGREE ON THE CONDITION PRIOR TO THE START OF CONSTRUCTION. EXISTING PIPES AND DRAINAGE STRUCTURES DAMAGED DUE TO CONTRACTOR OPERATIONS SHALL BE REPAIRED OR REPLACED IN-KIND AT THE CONTRACTOR'S EXPENSE. THE DEPARTMENT WILL VIDEO INSPECT NEW PIPE RUNS TO CONFIRM CONDITION PRIOR TO ACCEPTANCE. PIPE CLEANING PRIOR TO VIDEO INSPECTION AND MAINTENANCE OF TRAFFIC DURING THE VIDEO INSPECTION ARE THE RESPONSIBILITY OF THE CONTRACTOR AND INCIDENTAL TO THE PIPE ITEM THAT IS BEING VIDEO INSPECTED.

### SECTION 700

- 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 708060 - 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.
- 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 NOIS IS KEPT ON FILE IN EACH OF THE CONSTRUCTION OFFICES AND THE DEPARTMENT'S STORMWATER SECTION. A COPY OF THE GENERAL PERMIT OR THE NOIS CAN BE OBTAINED UPON REQUEST FROM EITHER THE DEPARTMENT'S STORMWATER ENGINEER OR THE APPROPRIATE CONSTRUCTION ENGINEER.

### MISCELLANEOUS

- THE CONTRACTOR SHALL CONTACT JAMILA JAMES, THE CHIEF OF SCHEDULING FOR DART FIRST STATE, 14 DAYS PRIOR TO THE START OF CONSTRUCTION AT 302-576-6019.
- THE BASE TOPOGRAPHY IS FROM AERIAL MAPPING, FLOWN BY AERO-METRIC IN APRIL 2006, AND SUPPLEMENTED WITH GROUND SURVEY AND SCANNING IN CRITICAL LOCATIONS.
- ANY STAGING AND/OR STOCKPILE AREA(S) OUTSIDE THE PROJECT'S LIMIT OF CONSTRUCTION (LOC) THAT INDIVIDUALLY OR CUMULATIVELY ARE LARGER THAN 10,000 SQUARE FEET, MUST BE APPROVED BY DELDOT'S ARCHAEOLOGIST. CONTACT THE CONSTRUCTION AREA ENGINEER WHO WILL COORDINATE WITH DELDOT'S ARCHAEOLOGIST.

WITHIN 30 DAYS, DELDOT WILL:

- APPROVE THE USE OF THE PROPOSED STAGING AND STOCKPILE AREA(S);
- REJECT THE REQUEST; OR
- PERFORM AN ARCHAEOLOGICAL SURVEY TO DETERMINE WHETHER TO APPROVE OR REJECT THE REQUEST, WHICH MAY TAKE UP TO 3 MONTHS. IF AN ARCHAEOLOGICAL SURVEY IS NECESSARY, DELDOT OR A CONSULTANT ON ITS BEHALF WILL UNDERTAKE THE SURVEY.

### EARTHWORK SUMMARY

<b>EXCAVATION</b>	
EXCAVATION FROM CROSS SECTIONS	2545 C. Y.
EXCAVATION FOR ROOTMAT REMOVAL	0 C. Y.
EXCAVATION FOR PAVEMENT REMOVAL	0 C. Y.
EXCAVATION FOR STRUCTURES	0 C. Y.
MISC. EXCAVATION (DRAINAGE, POLE BASES, ETC.)	75 C. Y.
TOPSOIL STRIPPING	301 C. Y.
<b>TOTAL EXCAVATION</b>	<b>2921 C. Y.</b>
<b>EXCAVATION AVAILABLE FOR EMBANKMENT</b>	
EXCAVATION MEETING BORROW TYPE 'A'	0 C. Y.
EXCAVATION MEETING BORROW TYPE 'F'	0 C. Y.
EXCAVATION MEETING TOPSOIL	150 C. Y.
<b>EMBANKMENT REQUIREMENTS</b>	
BORROW TYPE 'A' REQUIRED (INCLUDING UNDERCUT)	100 C. Y.
BORROW TYPE 'F' REQUIRED	1083 C. Y.
TOPSOIL REQUIRED	860 C. Y.
<b>MATERIAL BALANCE ("+" = EXCESS, "-" = NEED)</b>	
BORROW TYPE 'A'	-100 C. Y.
BORROW TYPE 'F'	-1083 C. Y.
TOPSOIL	-710 C. Y.
UNSUITABLE MATERIAL	2771 C. Y.

#### NOTES:

- THE VALUES LISTED IN THE EARTHWORK SUMMARY ARE APPROXIMATE AND ARE NOT TO BE USED AS A BASIS OF PAYMENT. THE EARTHWORK SUMMARY IS CONSIDERED FOR INFORMATIONAL PURPOSES ONLY.
- OTHER SOURCES OF EXCAVATION MAY INCLUDE PIPE TRENCH EXCAVATION, STRUCTURE EXCAVATION, UNDERCUT EXCAVATION, ENVIRONMENTAL SITE EXCAVATION, ETC.
- UNSUITABLE MATERIALS INCLUDE UNDERCUT SOILS, BITUMINOUS PAVEMENT, ETC.

ADDENDUMS / REVISIONS

NOT TO SCALE

PAVEMENT AND REHABILITATION  
NORTH I, 2017

CONTRACT	BRIDGE NO.	<b>1-800</b>
T201706101	DESIGNED BY:	ZJS
COUNTY	CHECKED BY:	MJV
NEW CASTLE		

NOTES

SHEET NO.

4

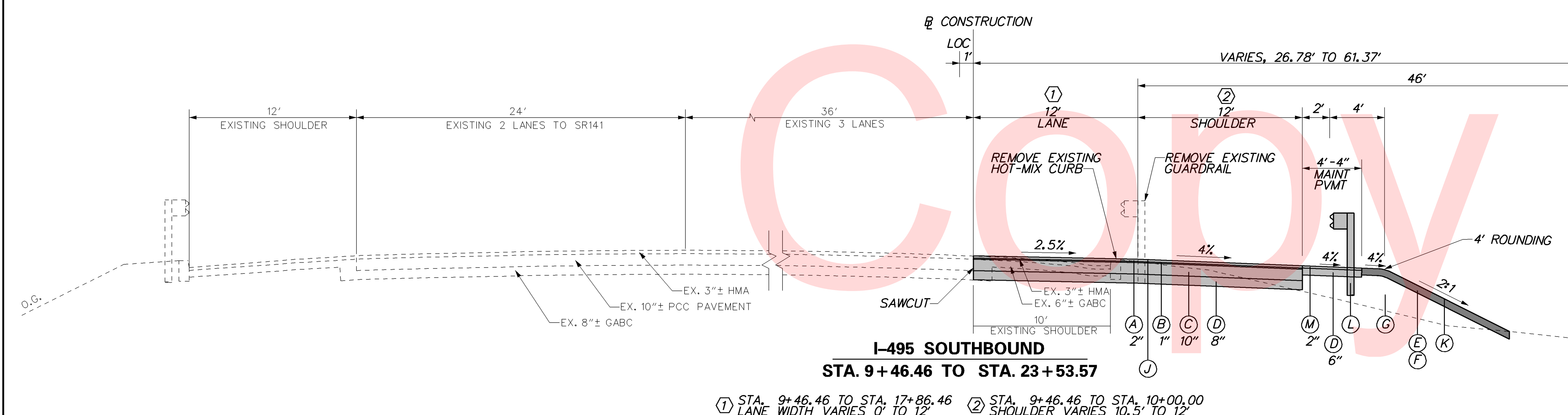
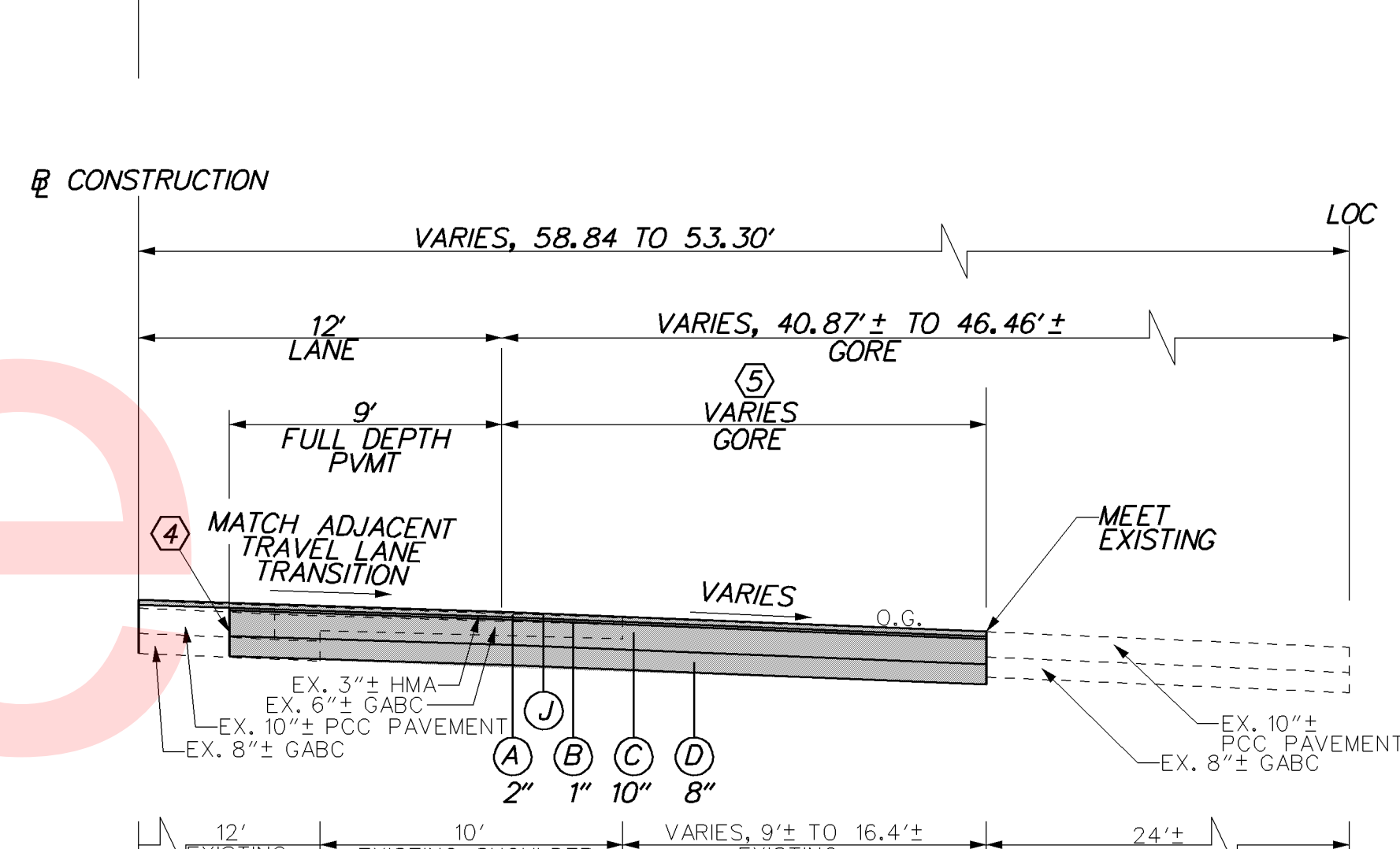
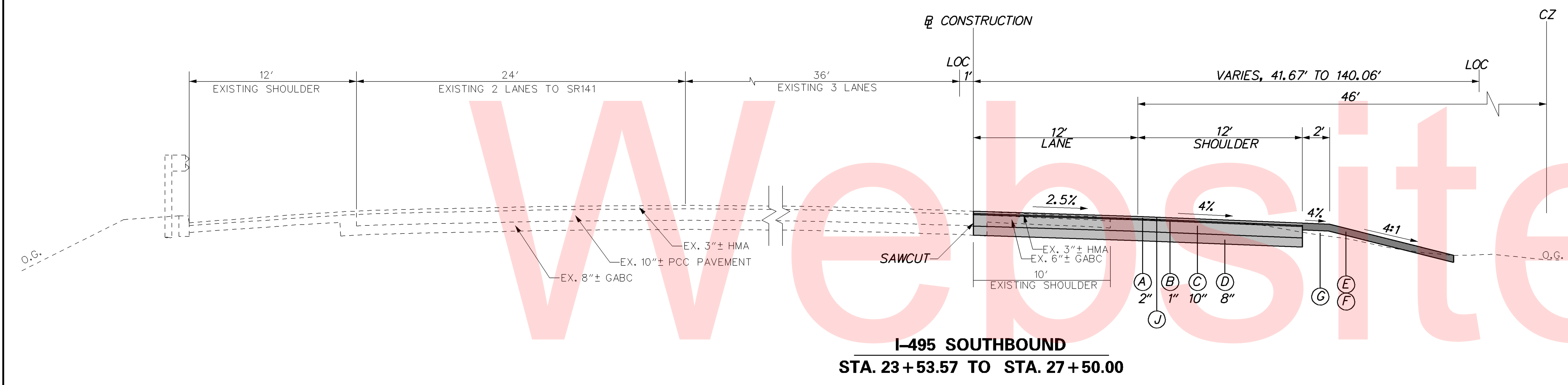
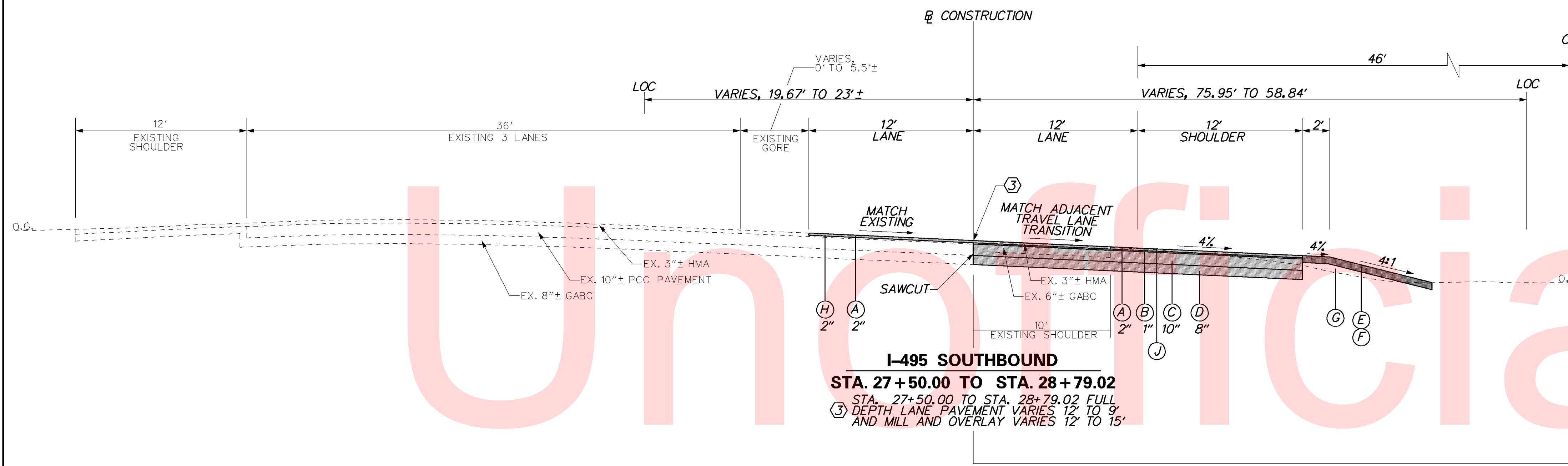
TOTAL SHTS.

35

**LEGEND**

- (A) ITEM 401517 - STONE MATRIX ASPHALT WEARING SURFACE
- (B) ITEM 401840 - THIN BITUMINOUS CONCRETE, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 76-22
- (C) ITEM 501004 - PORTLAND CEMENT CONCRETE PAVEMENT, 10"
- (D) ITEM 302007 - GRADED AGGREGATE BASE COURSE, TYPE B
- (E) ITEM 908004 - TOPSOIL, 6" DEPTH OR ITEM 908010 - TOPSOILING, 6" DEPTH
- (F) ITEM 908014 - PERMANENT GRASS SEEDING, DRY GROUND
- (G) ITEM 209006 - BORROW, TYPE F
- (H) ITEM 760000 - PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT
- (I) ITEM 760003 - PAVEMENT MILLING, BITUMINOUS CONCRETE PAVEMENT VARIABLE DEPTH
- (J) ITEM 760016 - RUMBLE STRIPS, BITUMINOUS PAVEMENT
- (K) ITEM 908020 - EROSION CONTROL BLANKET MULCH
- (L) ITEM 720050 - GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31
- (M) ITEM 401827 - BITUMINOUS CONCRETE, SUPERPAVE, TYPE C, 160 GYRATIONS, PG 64-22, (NON-CARBONATE STONE)

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"



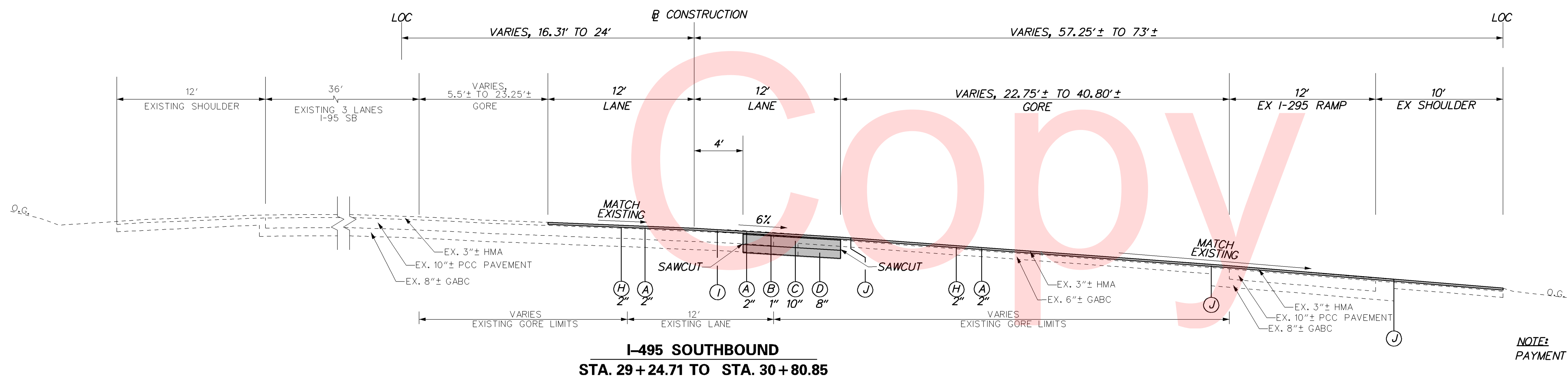
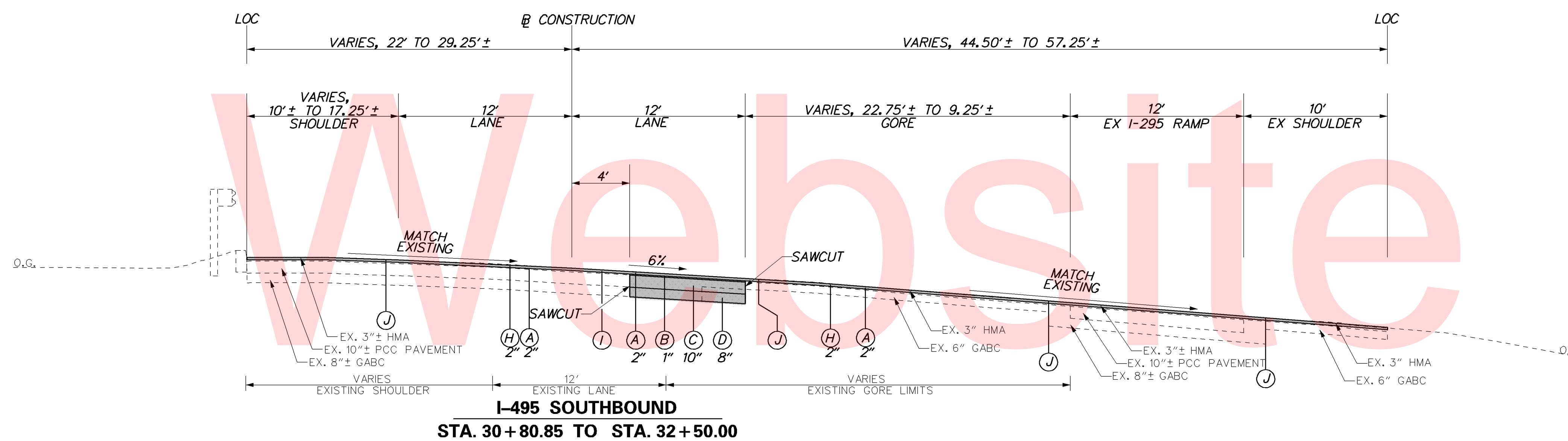
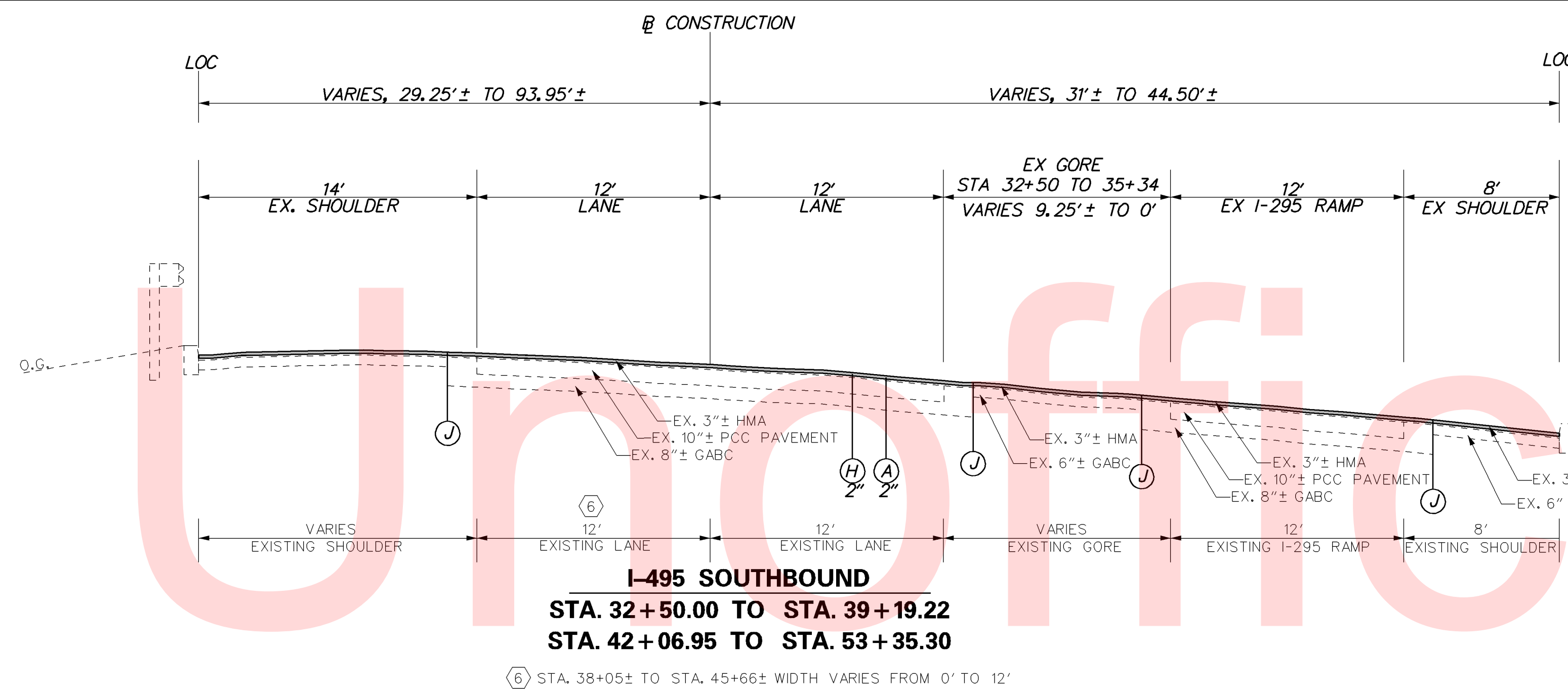
**NOTE:**  
 PAYMENT FOR CUTTING HOT-MIX IS INCIDENTAL TO ITEM 762002

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**LEGEND**

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BITUMINOUS CONCRETE BASE COURSE	3"	6"
GRADED AGGREGATE BASE COURSE	3"	8"



**NOTE:**  
PAYMENT FOR CUTTING HOT-MIX IS INCIDENTAL TO ITEM 762002

I-495 SB  
CIRCULAR CURVE NO. ①

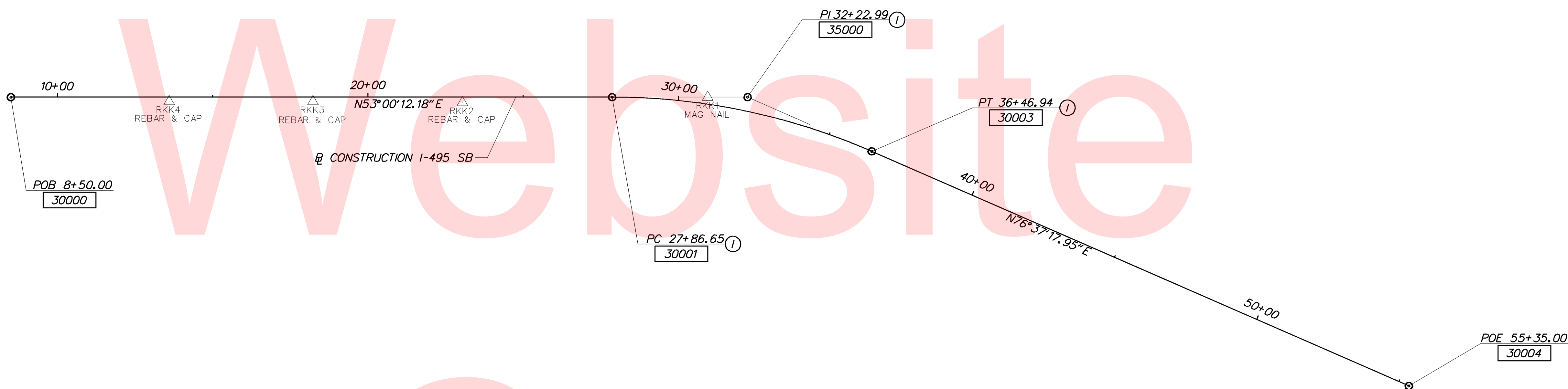
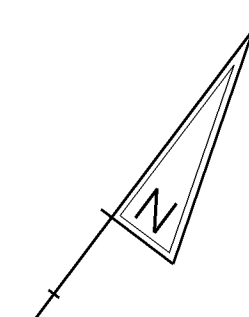
Element: Circular	STATION	NORTHING	EASTING
PC ( 30001)	27+86.65	623774.4218	607713.9497
PI ( 35000)	32+22.99	624036.9998	608062.4452
CC ( 30002)		622107.5953	608969.8392
PT ( 30003)	36+46.94	624137.9612	608486.9487
Radius:	2087.0000		
Delta:	23° 37' 05.7792" Right		
Degree of Curvature(Arc):	2° 44' 43.3161"		
Length:	860.2961		
Tangent:	436.3443		
Chord:	854.2180		
Middle Ordinate:	44.1718		
External:	45.1270		
Tangent Direction:	N 53° 00' 12.1758" E		
Radial Direction:	S 36° 59' 47.8242" E		
Chord Direction:	N 64° 48' 45.0654" E		
Radial Direction:	S 13° 22' 42.0450" E		
Tangent Direction:	N 76° 37' 17.9550" E		

HORIZONTAL / VERTICAL CONTROL DATA

POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION
RKK1	30+92.54	-22.19	623959.4510	607960.2310	19.92
RKK2	23+04.58	17.61	623470.2660	607339.5330	14.99
RKK3	18+23.33	14.21	623183.3773	606953.1291	13.20
RKK4	13+59.78	14.02	622904.5844	606582.7917	10.81

I-495 SB  
CONSTRUCTION ALIGNMENT CONTROL

POINT	STATION	OFFSET	NORTHING	EASTING
30000	8+50.00	0	622609.0110	606167.2074
POT	10+00.00	0	622699.2762	606287.0080
POT	15+00.00	0	623000.1601	606686.3435
POT	20+00.00	0	623301.0441	607085.6791
POT	25+00.00	0	623601.9280	607485.0146
POT	40+00.00	0	624219.5021	608829.7961
POT	45+00.00	0	624335.1922	609316.2278
POT	50+00.00	0	624451.0323	609803.2901
30004	55+35.00	0	624574.8202	610323.7698



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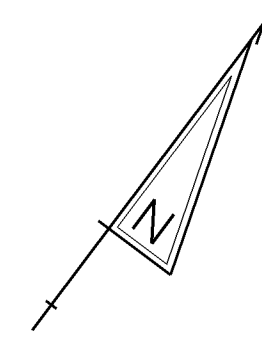
**DATUM REFERENCE:**  
 HORIZONTAL - THIS PROJECT IS REFERENCED TO THE DELAWARE STATE PLANE COORDINATE SYSTEM (NAD 83/2011).  
 VERTICAL - THIS PROJECT IS REFERENCED TO NAVD 88.

<b>DELAWARE DEPARTMENT OF TRANSPORTATION</b>	ADDENDUMS / REVISIONS	SCALE FEET	<b>PAVEMENT AND REHABILITATION NORTH I, 2017</b>	<table border="1" style="font-size: 8px;"> <tr> <td>CONTRACT</td> <td>BRIDGE NO.</td> <td><b>1-800</b></td> </tr> <tr> <td>T201706101</td> <td>DESIGNED BY: ZJS</td> <td></td> </tr> <tr> <td>COUNTY</td> <td>CHECKED BY: MJV</td> <td></td> </tr> <tr> <td>NEW CASTLE</td> <td></td> <td></td> </tr> </table>	CONTRACT	BRIDGE NO.	<b>1-800</b>	T201706101	DESIGNED BY: ZJS		COUNTY	CHECKED BY: MJV		NEW CASTLE			<b>HORIZONTAL AND VERTICAL CONTROL</b>	<table border="1" style="font-size: 8px;"> <tr> <td>SHEET NO.</td> <td>7</td> </tr> <tr> <td>TOTAL SHTS.</td> <td>35</td> </tr> </table>	SHEET NO.	7	TOTAL SHTS.	35
	CONTRACT		BRIDGE NO.	<b>1-800</b>																		
T201706101	DESIGNED BY: ZJS																					
COUNTY	CHECKED BY: MJV																					
NEW CASTLE																						
SHEET NO.	7																					
TOTAL SHTS.	35																					

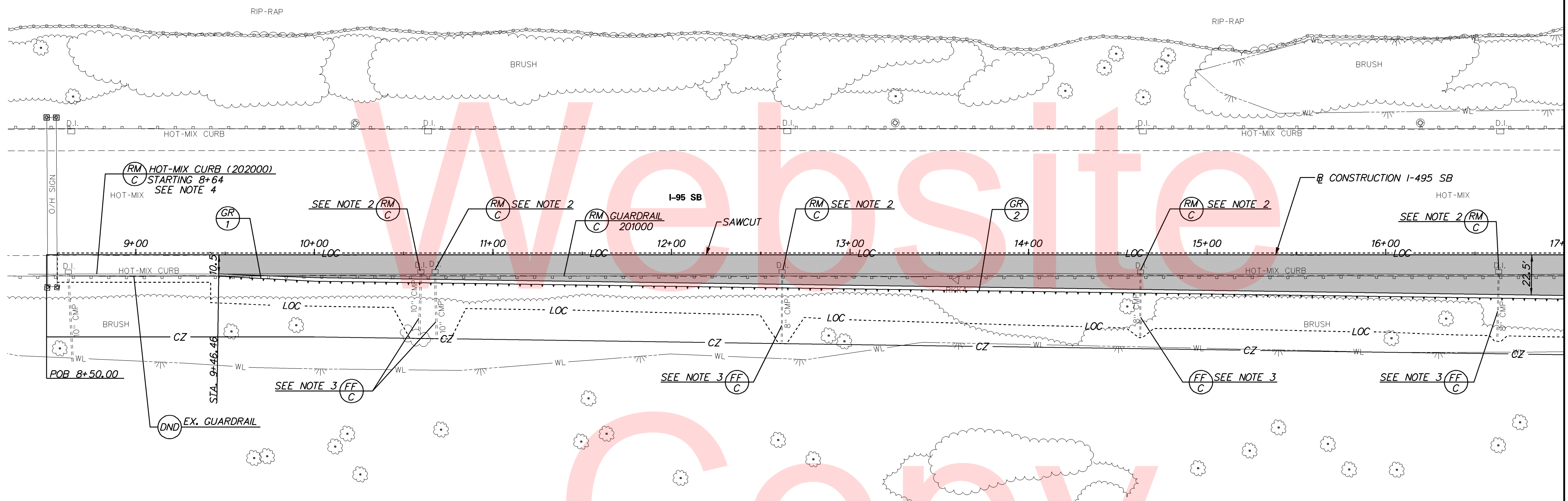
**GUARDRAIL SCHEDULE**

NO.	ITEM DESCRIPTION / TYPE	BEGIN STA.	OFFSET	LENGTH
1	TYPE 1-27 TO TYPE 1-31 TRANSITION SECTION (720050)	9+46.46	VARIES	25'
2	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31(720050)	9+71.46	*	728.54'

NOTES: ALL BEGINNING STATIONS ARE APPROXIMATE. EXACT LOCATIONS ARE TO BE DETERMINED BY THE ENGINEER IN THE FIELD.  
 \*GUARDRAIL OFFSET VARIES BETWEEN STATION 10+00.00 TO STATION 17+86.46



Unofficial

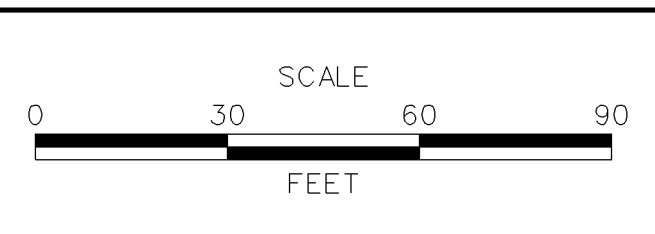


**NOTES:**

1. THIS PROJECT IS ENTIRELY WITHIN THE CHRISTINA INTERCHANGE, AND THEREFORE EXISTING DELDOT RIGHT-OF-WAY. THE EXISTING DELDOT RIGHT-OF-WAY LINES ARE BEYOND THE LIMITS OF THIS CONSTRUCTION PLAN SHEET.
2. REMOVE EXISTING DRAINAGE INLET, CUT AND REMOVE PIPE BETWEEN EXISTING INLET AND THE LIMIT OF PROPOSED GUARDRAIL MAINTENANCE PAVEMENT AND CAP REMAINING PIPE (708537).
3. REMAINING PIPE SECTIONS SHALL BE ABANDONED IN PLACE AND FILLED WITH FLOWABLE FILL (208001).
4. REMOVAL OF THE EXISTING HOT-MIX CURB BETWEEN STATIONS 8+64.00 AND 9+46.46 IS TO ALLOW FOR A SHEET FLOW RUNOFF CONDITION AND AVOID ANY CONCENTRATED POINT DISCHARGE FLOWS.

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ADDENDUMS / REVISIONS



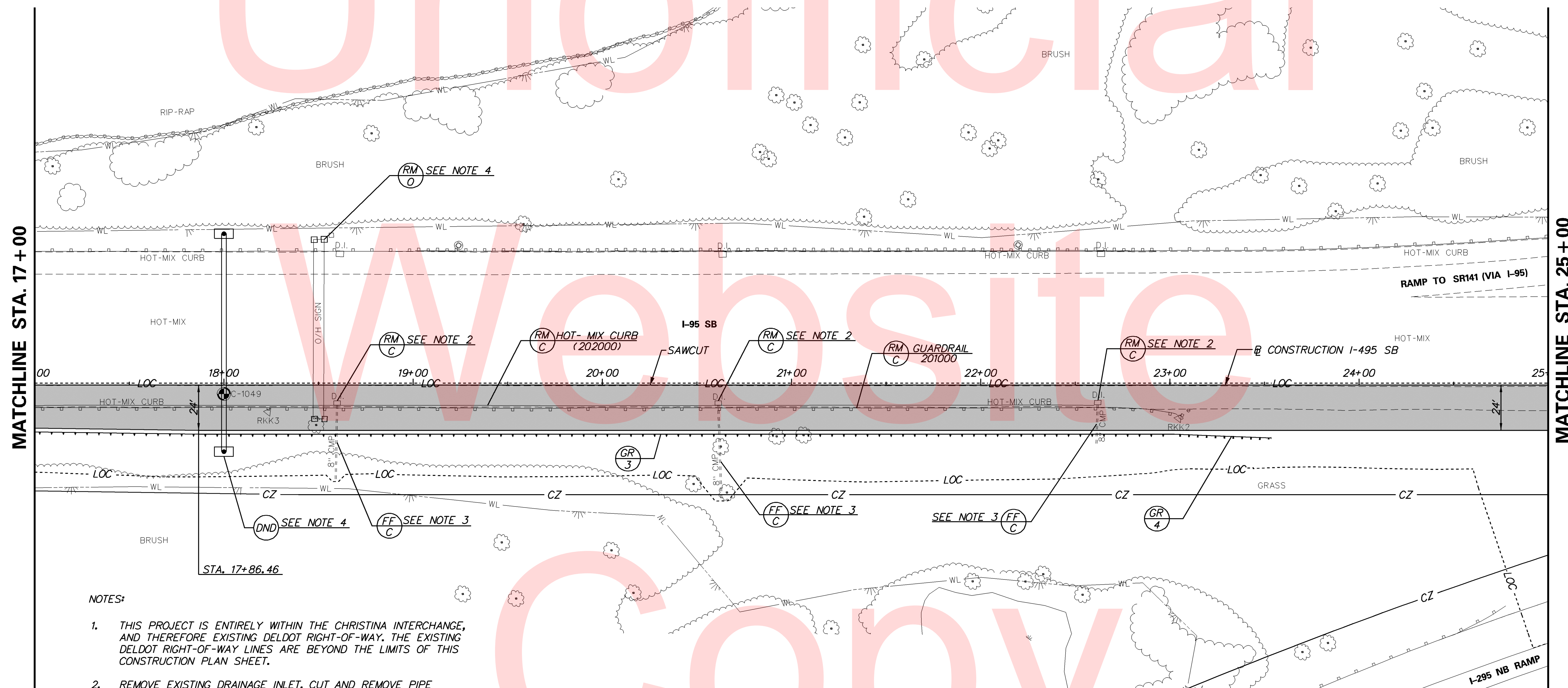
CONTRACT	BRIDGE NO.	<b>1-800</b>
T201706101	DESIGNED BY:	ZJS
COUNTY	CHECKED BY:	MJV
NEW CASTLE		



GUARDRAIL SCHEDULE				
NO.	ITEM DESCRIPTION / TYPE	BEGIN STA.	OFFSET	LENGTH
3	GALVANIZED STEEL BEAM GUARDRAIL, TYPE 1-31 (720050)	17+00.00	*26.00'	601.46'
4	GUARDRAIL END TREATMENT, TYPE 1-31 (720585)	23+01.46	A	1 EA.

ROADWAY CORE SCHEDULE			
NO.	STATION	OFFSET	DESCRIPTION
C-1049	18+00 +/-	4.5' LT.	6.5" HMA OVER 3" CRUSHER RUN

NOTES: ALL BEGINNING STATIONS ARE APPROXIMATE. EXACT LOCATIONS ARE TO BE DETERMINED BY THE ENGINEER IN THE FIELD.  
 A = OFFSET ATTENUATORS AS PER STANDARD DETAILS  
 \*GUARDRAIL OFFSET VARIES BETWEEN STATION 10+00.00 TO STATION 17+86.46



NOTES:

- THIS PROJECT IS ENTIRELY WITHIN THE CHRISTINA INTERCHANGE, AND THEREFORE EXISTING DELDOT RIGHT-OF-WAY. THE EXISTING DELDOT RIGHT-OF-WAY LINES ARE BEYOND THE LIMITS OF THIS CONSTRUCTION PLAN SHEET.
- REMOVE EXISTING DRAINAGE INLET, CUT AND REMOVE PIPE BETWEEN EXISTING INLET AND THE LIMIT OF PROPOSED GUARDRAIL MAINTENANCE PAVEMENT AND CAP REMAINING PIPE (708537).
- REMAINING PIPE SECTIONS SHALL BE ABANDONED IN PLACE AND FILLED WITH FLOWABLE FILL (208001).
- EXISTING OVERHEAD SIGN STRUCTURE SHOWN AT APPROXIMATELY STA. 18+50 WILL BE REMOVED AND REPLACED WITH A NEW OVERHEAD SIGN STRUCTURE AT APPROXIMATELY STA. 18+00 UNDER CONTRACT T201407004 CANTILEVER AND OVERHEAD SIGN STRUCTURES, OPEN-END, FY2016 - FY2018 PRIOR TO CONSTRUCTION.

STA. 17+86.46

ADDENDUMS / REVISIONS



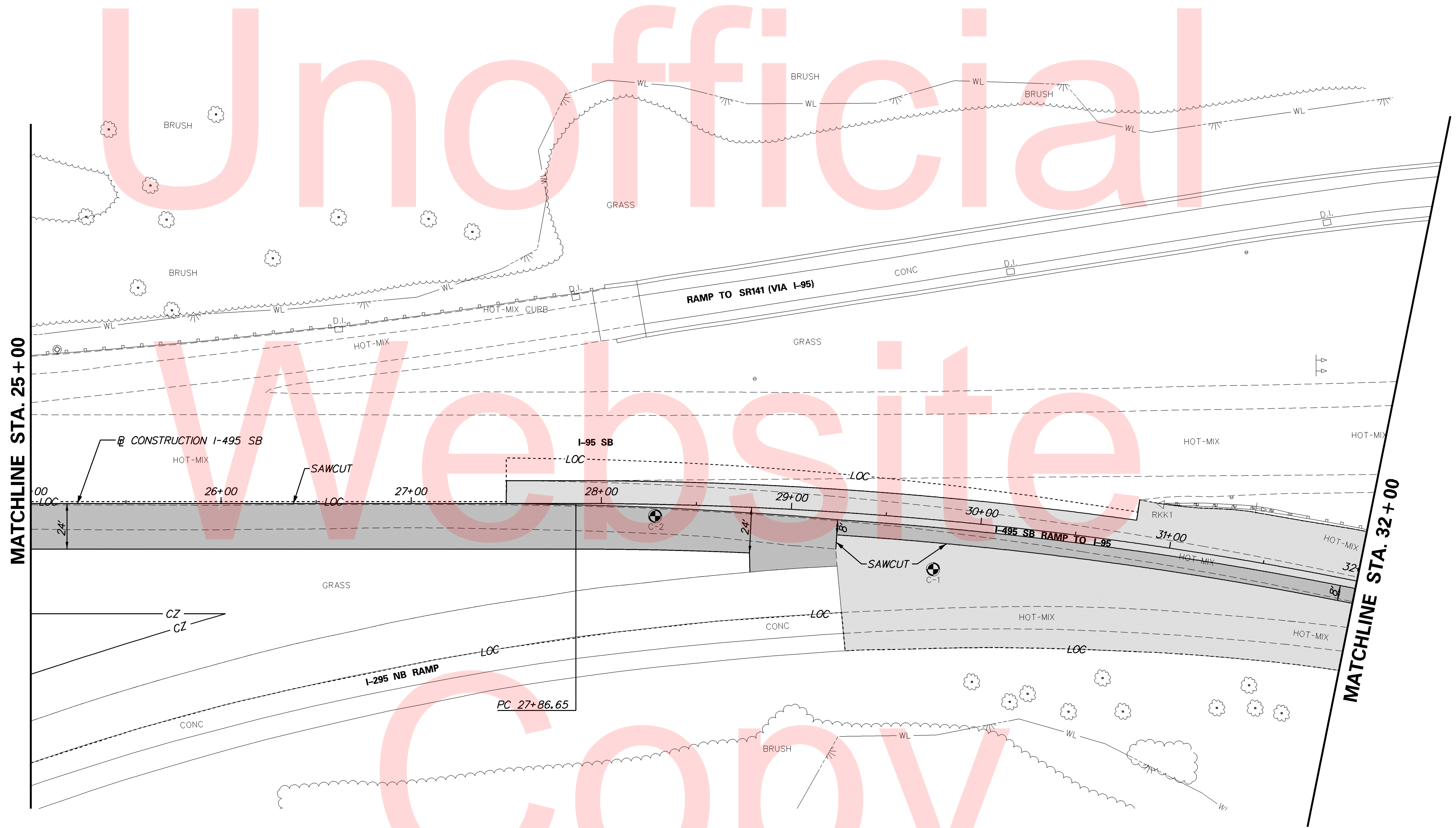
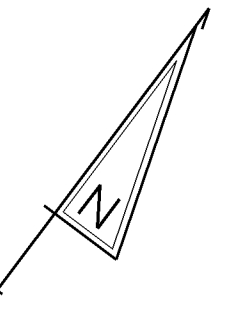
PAVEMENT AND REHABILITATION  
NORTH I, 2017

CONTRACT	BRIDGE NO.	1-800
T201706101	DESIGNED BY:	ZJS
COUNTY	CHECKED BY:	MJV
NEW CASTLE		

CONSTRUCTION PLAN

SHEET NO.	9
TOTAL SHTS.	35

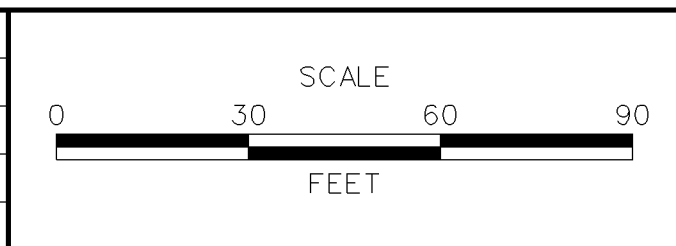
ROADWAY CORE SCHEDULE			
NO.	STATION	OFFSET	DESCRIPTION
C-1	29+77 +/-	26' LT.	8" HMA OVER CLAY STONE MIXTURE
C-2	28+28 +/-	6.2' LT.	5" HMA OVER 8"+ CRUSHER RUN



**NOTE:**  
 THIS PROJECT IS ENTIRELY WITHIN THE CHRISTINA INTERCHANGE, AND THEREFORE EXISTING DELDOT RIGHT-OF-WAY, THE EXISTING DELDOT RIGHT-OF-WAY LINES ARE BEYOND THE LIMITS OF THIS CONSTRUCTION PLAN SHEET.

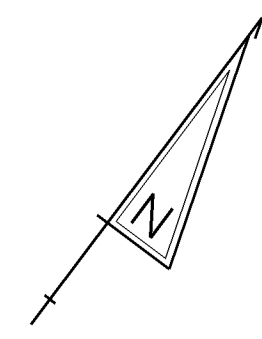
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ADDENDUMS / REVISIONS



CONTRACT	BRIDGE NO.	<b>1-800</b>
T201706101	DESIGNED BY:	ZJS
COUNTY	CHECKED BY:	MJV
NEW CASTLE		

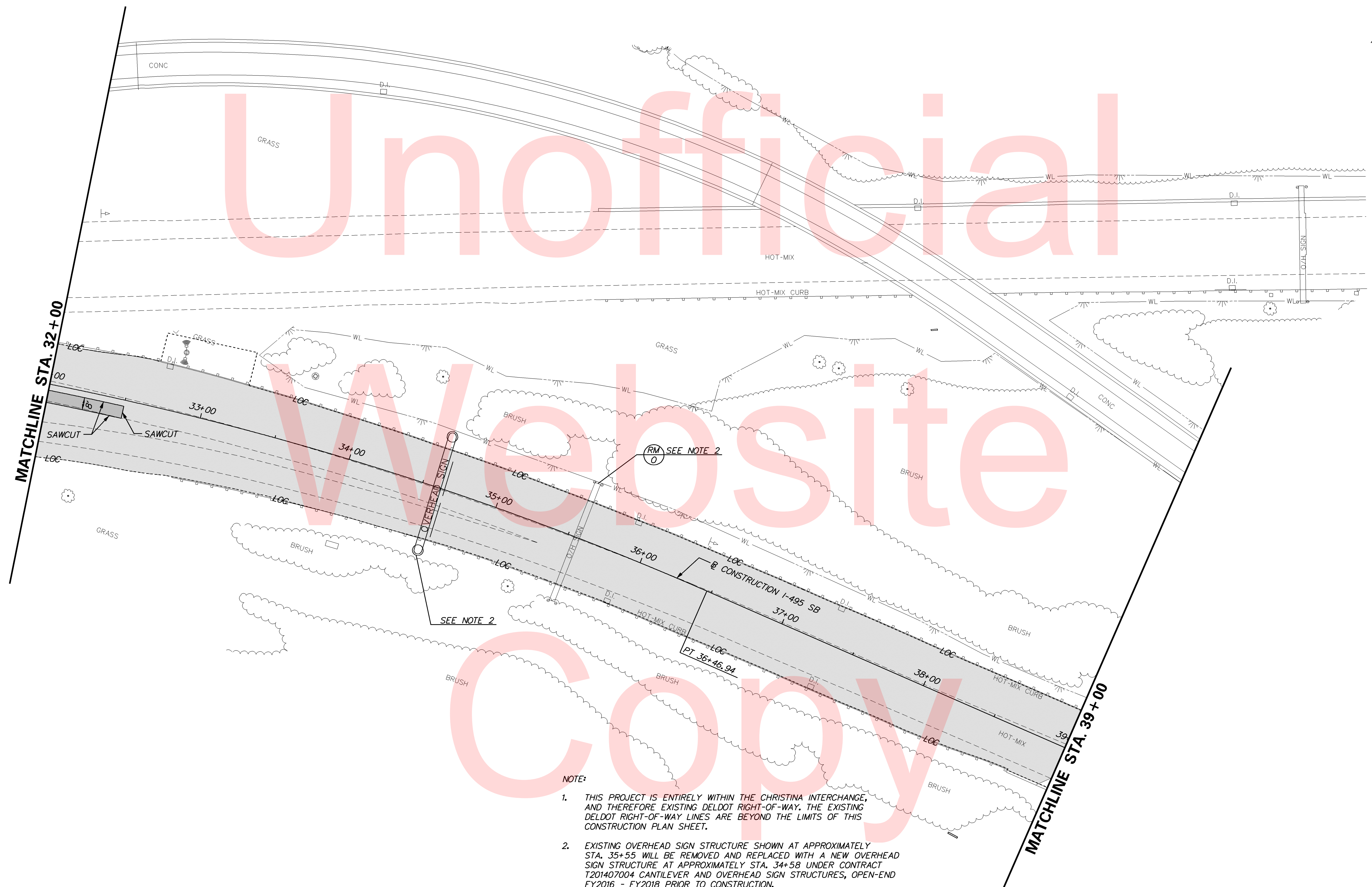
SHEET NO.	10
TOTAL SHTS.	35



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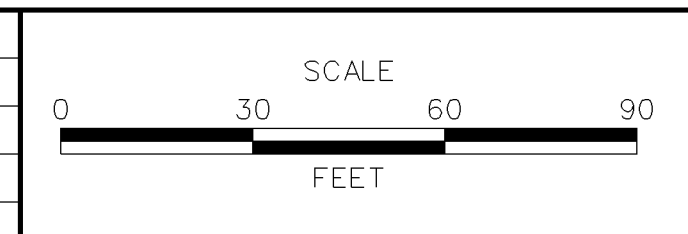


- NOTE:**
1. THIS PROJECT IS ENTIRELY WITHIN THE CHRISTINA INTERCHANGE, AND THEREFORE EXISTING DELDOT RIGHT-OF-WAY. THE EXISTING DELDOT RIGHT-OF-WAY LINES ARE BEYOND THE LIMITS OF THIS CONSTRUCTION PLAN SHEET.
  2. EXISTING OVERHEAD SIGN STRUCTURE SHOWN AT APPROXIMATELY STA. 35+55 WILL BE REMOVED AND REPLACED WITH A NEW OVERHEAD SIGN STRUCTURE AT APPROXIMATELY STA. 34+58 UNDER CONTRACT T201407004 CANTILEVER AND OVERHEAD SIGN STRUCTURES, OPEN-END FY2016 - FY2018 PRIOR TO CONSTRUCTION.

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ADDENDUMS / REVISIONS	

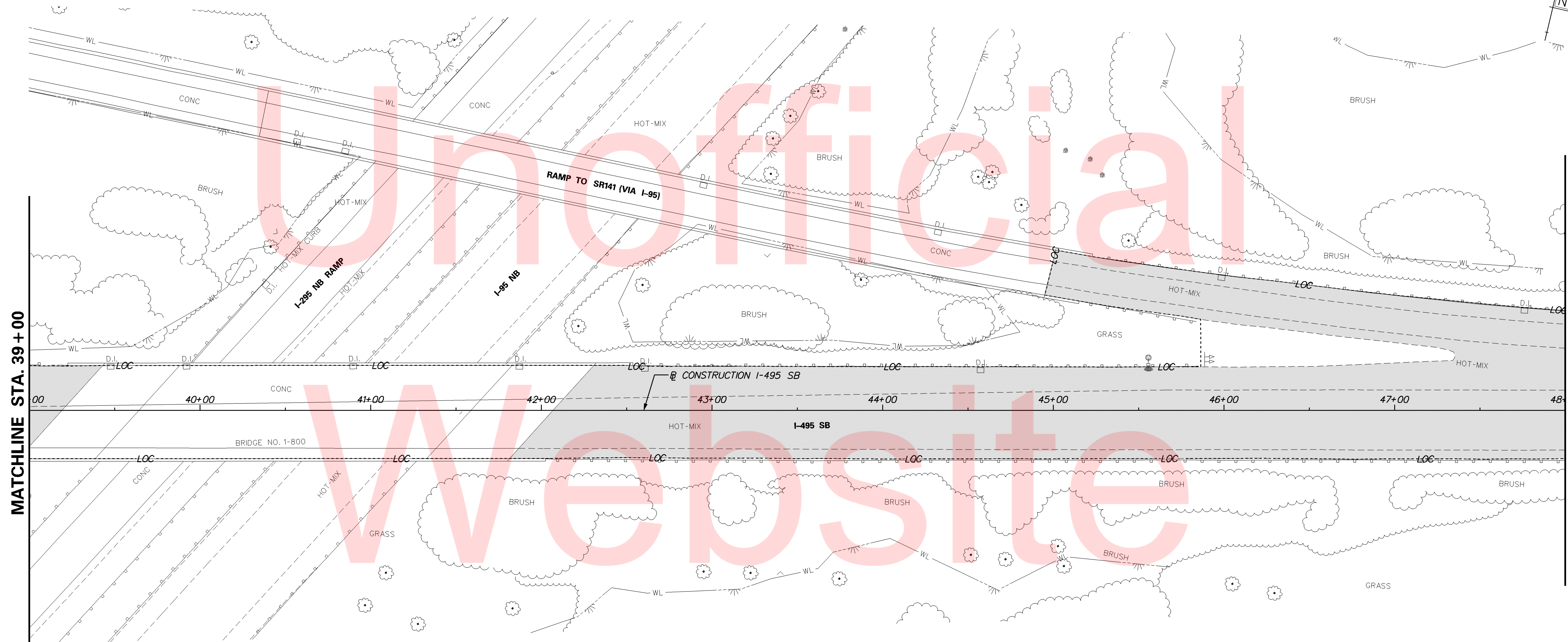
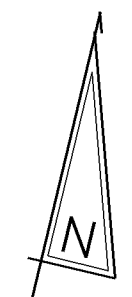


**PAVEMENT AND REHABILITATION**  
**NORTH I, 2017**

CONTRACT T201706101	BRIDGE NO. 1-800
COUNTY NEW CASTLE	DESIGNED BY: ZJS CHECKED BY: MJV

**CONSTRUCTION PLAN**

SHEET NO. 11
TOTAL SHTS. 35



MATCHLINE STA. 39+00

MATCHLINE STA. 48+00

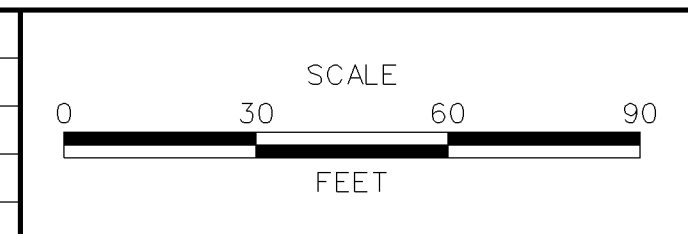
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**NOTE:**  
THIS PROJECT IS ENTIRELY WITHIN THE CHRISTINA INTERCHANGE,  
AND THEREFORE EXISTING DELDOT RIGHT-OF-WAY. THE EXISTING  
DELDOT RIGHT-OF-WAY LINES ARE BEYOND THE LIMITS OF THIS  
CONSTRUCTION PLAN SHEET.

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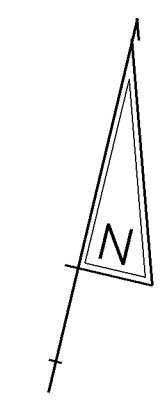


**PAVEMENT AND REHABILITATION**  
**NORTH I, 2017**

CONTRACT T201706101	BRIDGE NO. <b>1-800</b>
COUNTY NEW CASTLE	DESIGNED BY: ZJS CHECKED BY: MJV

**CONSTRUCTION PLAN**

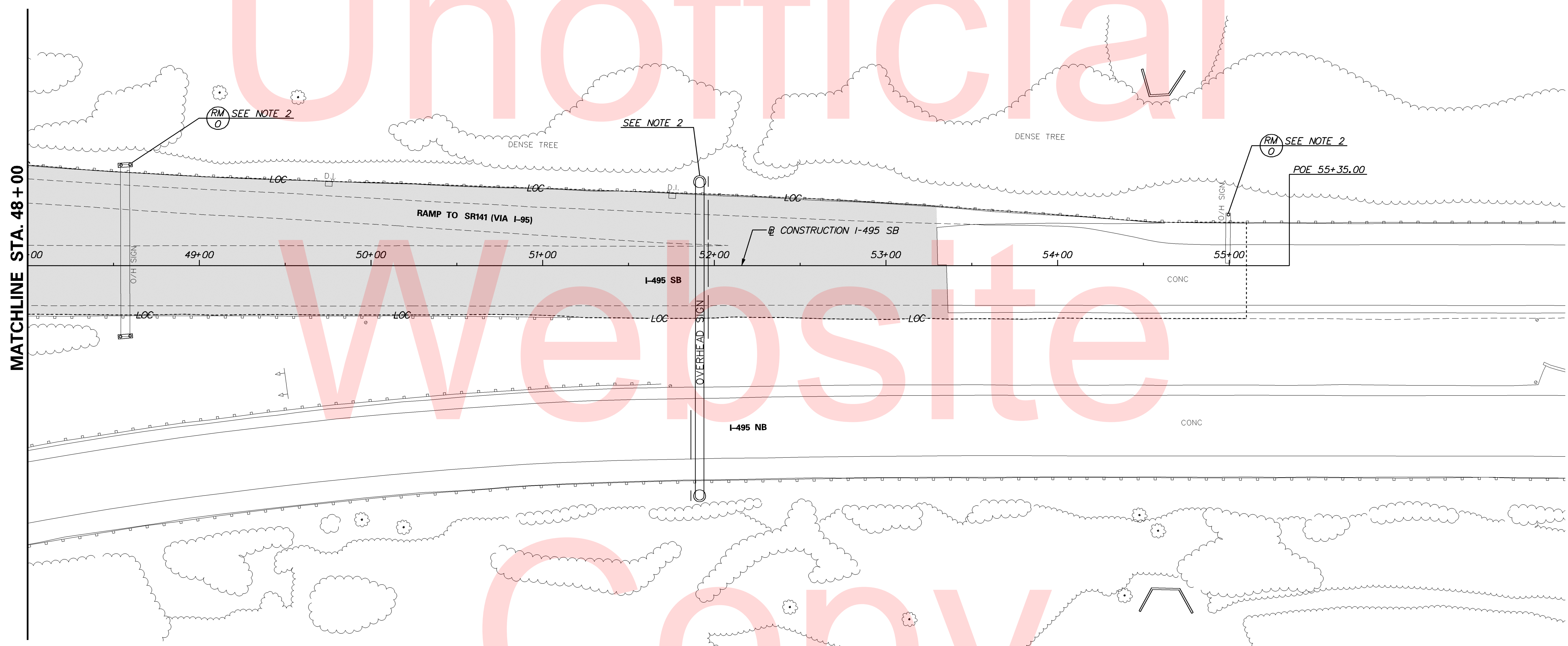
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TOTAL SHTS. 35



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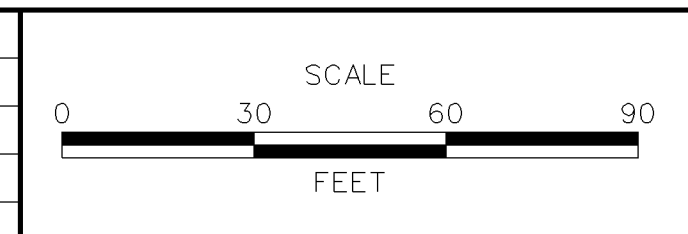


- NOTE:
1. THIS PROJECT IS ENTIRELY WITHIN THE CHRISTINA INTERCHANGE, AND THEREFORE EXISTING DELDOT RIGHT-OF-WAY. THE EXISTING DELDOT RIGHT-OF-WAY LINES ARE BEYOND THE LIMITS OF THIS CONSTRUCTION PLAN SHEET.
  2. EXISTING OVERHEAD SIGN STRUCTURE SHOWN AT APPROXIMATELY STA. 48+57 AND CANTILEVER SIGN STRUCTURE SHOWN AT APPROXIMATELY STA. 55+00 WILL BE REMOVED AND REPLACED WITH A NEW OVERHEAD SIGN STRUCTURE AT APPROXIMATELY STA. 51+90 UNDER CONTRACT T201407004 CANTILEVER AND OVERHEAD SIGN STRUCTURES, OPEN-END FY2016 - FY2018 PRIOR TO CONSTRUCTION.

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ADDENDUMS / REVISIONS	

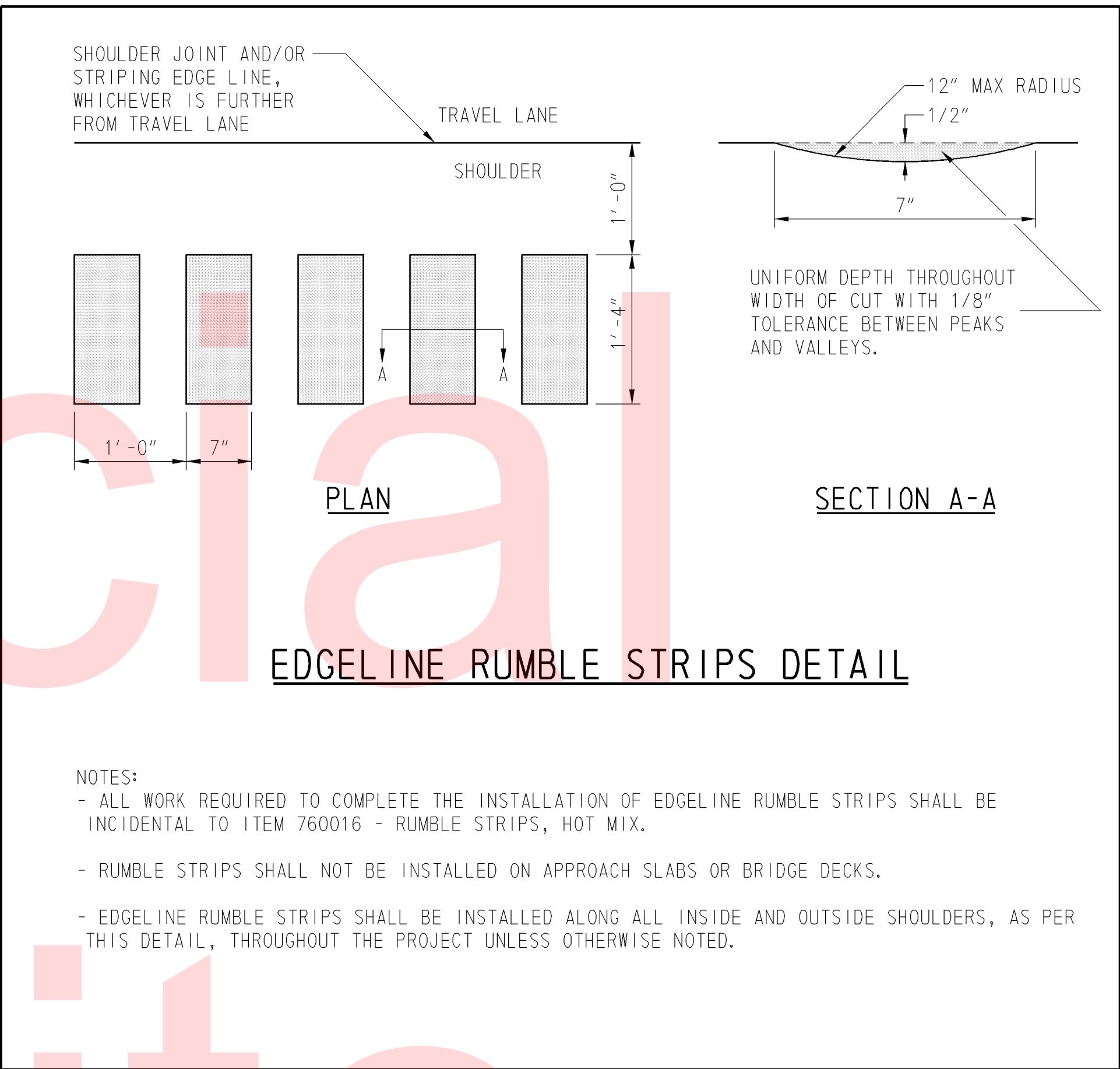
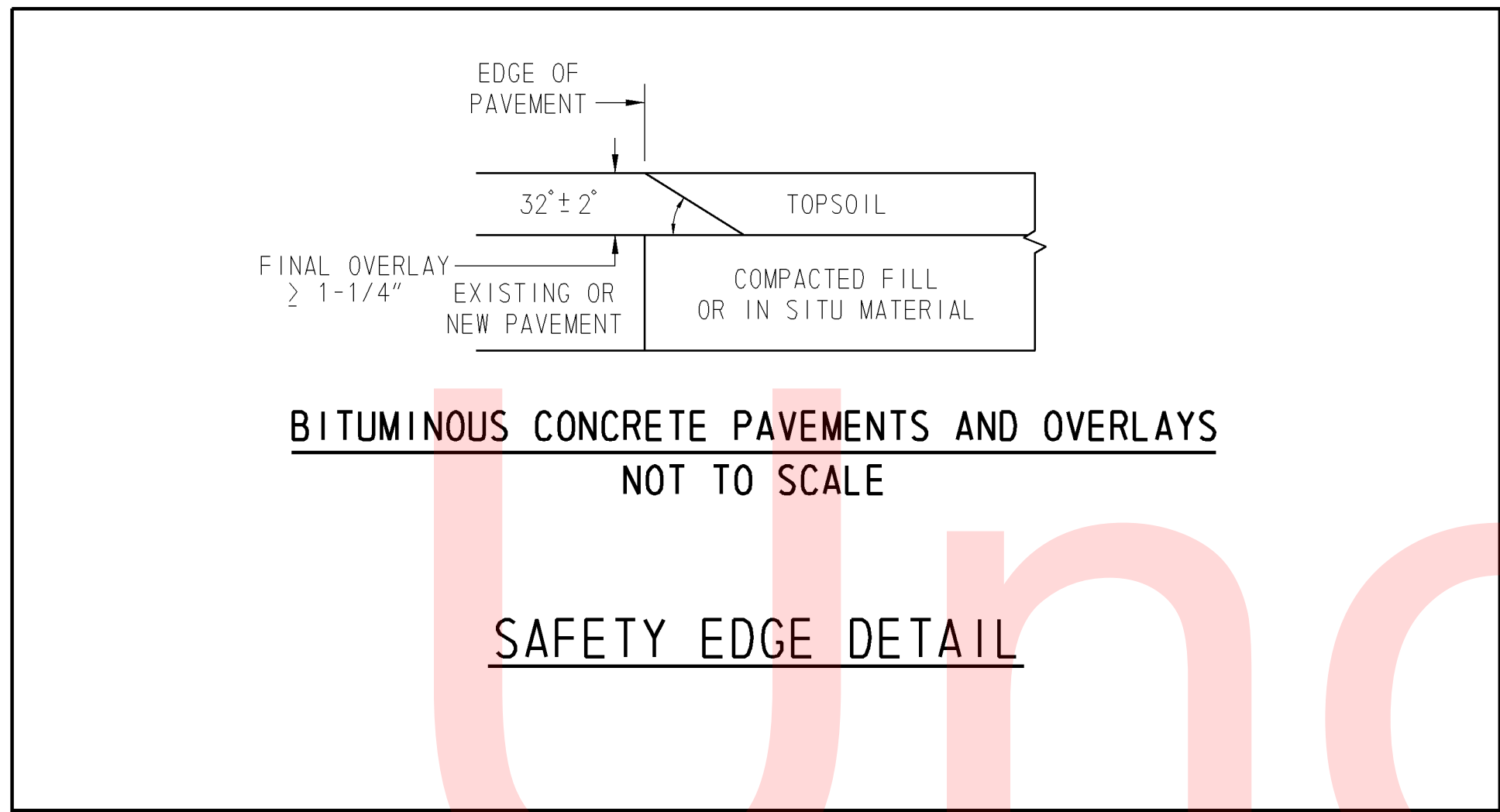


**PAVEMENT AND REHABILITATION  
NORTH I, 2017**

CONTRACT	BRIDGE NO.	<b>1-800</b>
T201706101	DESIGNED BY:	ZJS
COUNTY	CHECKED BY:	MJV
NEW CASTLE		

**CONSTRUCTION PLAN**

SHEET NO.	13
TOTAL SHTS.	35



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1. GENERAL NOTES:

- A. THE PURPOSE OF THIS SHEET IS TO IDENTIFY THOSE ITEMS ASSOCIATED WITH ENVIRONMENTAL COMPLIANCE. IMPACT CALCULATIONS ARE FOR THE AGENCY PERMIT REPORTING PURPOSES ONLY AND ARE NOT TO BE USED FOR BIDDING PURPOSES.
- B. IF A DEPARTURE FROM THE APPROVED PLANS (WHICH WOULD AFFECT ANY NATURAL AND/OR CULTURAL RESOURCES) IS NECESSARY, THE ENVIRONMENTAL STUDIES SECTION SHALL BE CONTACTED AT (302)760-2264 TO ALLOW FOR COORDINATION WITH THE APPROPRIATE RESOURCE AGENCIES AND APPROVAL.
- C. USE OF THIS SHEET DOES NOT ALLEVIATE THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH ALL CONDITIONS SET FORTH IN THE ENVIRONMENTAL STATEMENT AND PERMITS.

2. NATURAL RESOURCE ISSUES:

- A. PERMIT REQUIREMENTS/APPROVALS:  
NONE
- B. CONSTRUCTION RESTRICTIONS:  
FISHERIES - NONE  
ENDANGERED SPECIES - NONE  
MIGRATORY BIRDS - NONE
- C. STAGING, STOCKPILING AND DISPOSAL:

1. ALL EXCESS EXCAVATED MATERIALS NOT USED IN CONSTRUCTION SHALL BE DISPOSED OF IN UPLAND, NON-WETLAND, NON-CULTURAL RESOURCE SITE(S). THE EXCAVATED MATERIAL SHALL BE PROPERLY CONTAINED AND STABILIZED TO PREVENT ITS ENTRY INTO ANY ADJACENT WETLANDS OR WATERWAYS. OUTSIDE OF ANY LOCATION DESIGNATED ON PLANS FOR DISPOSAL, NO DISPOSAL/WASTING OPERATION SHALL COMMENCE UNTIL WRITTEN APPROVAL OF THE DISPOSAL SITE(S) IS OBTAINED BY THE ENGINEER FROM THE USACE. THE CONTRACTOR SHALL SUBMIT THE PROPOSED DISPOSAL SITE LOCATION(S) TO THE ENGINEER. THE ENGINEER WILL SUBMIT THE PROPOSED DISPOSAL SITE INFORMATION TO USACE FOR APPROVAL. THE DEPARTMENT WILL NOT CONSIDER ANY DELAYS OR MONETARY CLAIMS OF ANY NATURE RESULTING FROM DELAYS IN APPROVAL OR REJECTION OF DISPOSAL SITES OR FROM THE CONTRACTOR'S FAILURE OR DIFFICULTY IN FINDING ACCEPTABLE DISPOSAL SITES TO MEET THE TIME FRAMES AND CAPACITIES REQUIRED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PLANS, EROSION AND SEDIMENTATION CONTROL MEASURES, ETC. REQUIRED BY THE APPROPRIATE REGULATORY AGENCY FOR UTILIZING OFF-SITE SPOIL AREAS.

3. CULTURAL RESOURCE ISSUES:

- A. CULTURAL RESOURCES:  
IF ANY UNANTICIPATED DISCOVERIES OF ARCHAEOLOGICAL OR HUMAN REMAINS OCCUR DURING CONSTRUCTION, ALL WORK SHALL BE IMMEDIATELY SUSPENDED IN THE AREA OF THE DISCOVERY AND THE ENGINEER SHALL BE CONTACTED. THE ENGINEER WILL CONTACT DELDOT CULTURAL RESOURCES, SHPO AND USACE TO COMMENCE THE NECESSARY FEDERAL AND STATE COORDINATION. WORK SHALL NOT RESUME UNTIL APPROPRIATE RESOURCE AGENCY COORDINATION, INVESTIGATION AND/OR RECOVERY IS COMPLETE.

ENVIRONMENTAL COMPLIANCE NOTES

WETLANDS DELINEATED BY RK&K IN FEBRUARY 2016 IN ACCORDANCE WITH THE 1987 WETLAND DELINEATION MANUAL AND APPLICABLE REGIONAL SUPPLEMENTS. NO WETLANDS WILL BE IMPACTED BY THIS PROJECT.

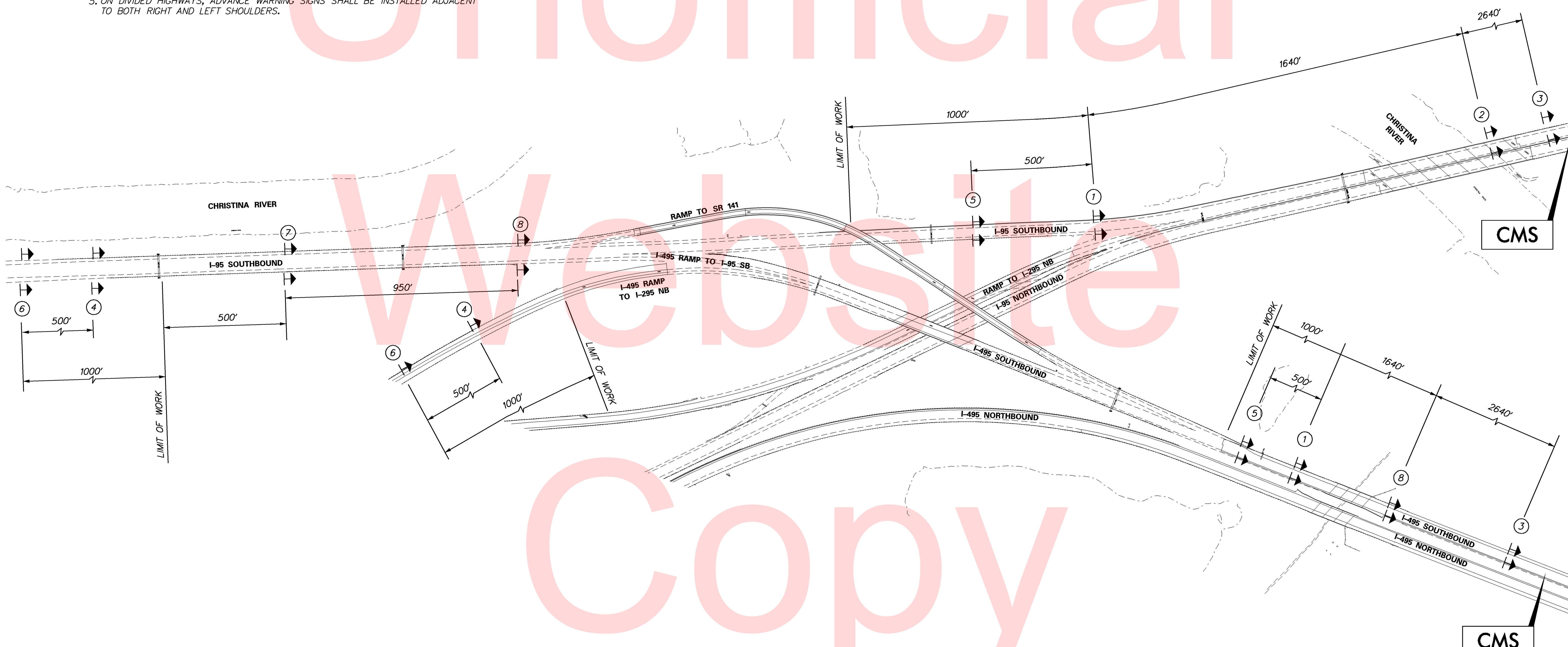
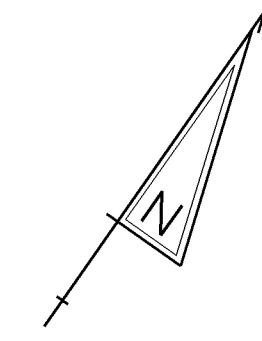
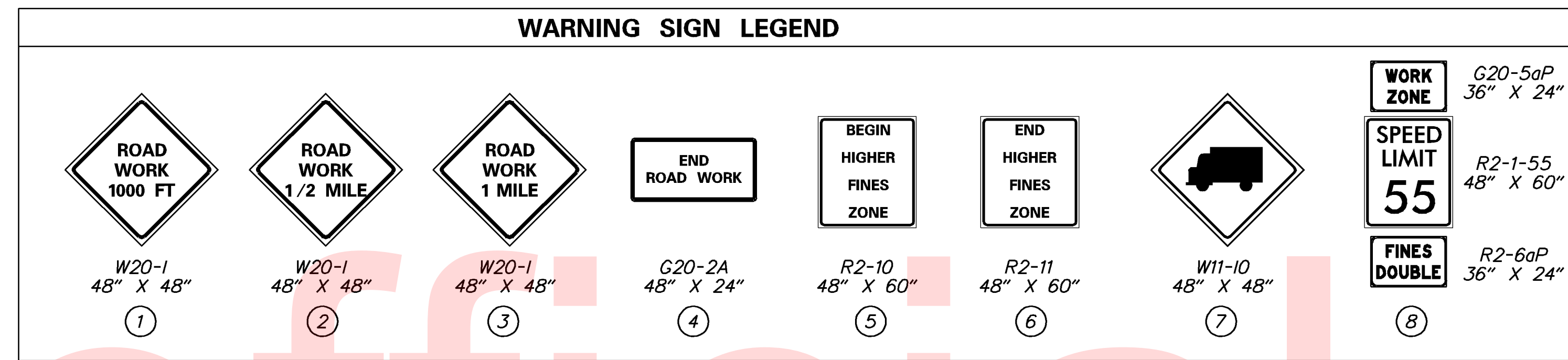
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 <b>DELAWARE DEPARTMENT OF TRANSPORTATION</b>	ADDENDUMS / REVISIONS	<b>NOT TO SCALE</b>	<b>PAVEMENT AND REHABILITATION NORTH I, 2017</b>	CONTRACT	BRIDGE NO.	<b>1-800</b>	<b>ENVIRONMENTAL COMPLIANCE PLAN</b>	SHEET NO.	
					T201706101	DESIGNED BY: ZJS		15	
					NEW CASTLE	CHECKED BY: MJV		TOTAL SHTS. 35	

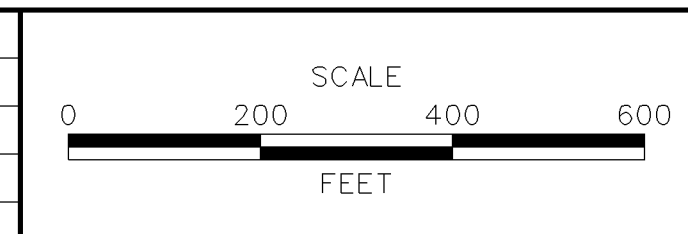
NOTES:

- SEE INDIVIDUAL PHASING PLANS FOR PLACEMENT OF PHASE-SPECIFIC TEMPORARY WARNING SIGNS. FINAL LOCATION OF ALL WARNING SIGNS SHALL BE COORDINATED WITH THE ENGINEER.
- ALL WARNING SIGNS SHOWN ON THIS SHEET SHALL BE INSTALLED AS A FIRST ITEM OF WORK, ARE TO BE DISPLAYED AND MAINTAINED UNTIL SUBSTANTIAL COMPLETION OF THE WORK AND ARE TO BE PAID FOR UNDER ITEM 743024-TEMPORARY WARNING SIGNS.
- ANY EXISTING PERMANENT SIGNS THAT CONFLICT WITH CONSTRUCTION WARNING SIGNS SHALL BE COVERED AS NEEDED, AS DIRECTED BY THE ENGINEER.
- ALL WARNING SIGNS - ITEM 743024 - SHALL BE GROUND POST MOUNTED UNLESS A DOCUMENTED UTILITY CONFLICT EXISTS IN THE IDEAL LOCATION FOR PLACEMENT. IN THE EVENT OF A DOCUMENTED UTILITY CONFLICT, AN APPROVED SIGN STAND MAY BE UTILIZED PROVIDED THAT THE PLACEMENT DOES NOT CAUSE AN OBSTRUCTION OF THE SHOULDER. IN LOCATIONS THAT WOULD REQUIRE MOUNTING A WARNING SIGN ON A CONCRETE MEDIAN OR ASPHALT, AN APPROVED SIGN BASE MAY BE UTILIZED.
- ON DIVIDED HIGHWAYS, ADVANCE WARNING SIGNS SHALL BE INSTALLED ADJACENT TO BOTH RIGHT AND LEFT SHOULDERS.



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ADDENDUMS / REVISIONS



CONTRACT	BRIDGE NO.	<b>1-800</b>
T201706101	DESIGNED BY:	BAH
COUNTY	CHECKED BY:	ZJS
NEW CASTLE		



## TRAFFIC CONTROL - GENERAL NOTES

1. MAINTENANCE OF TRAFFIC DURING LANE CLOSURES AND LANE SHIFTS SHALL CONFORM TO TYPICAL APPLICATIONS TA-33, TA-35E, & TA-37 OF THE DELAWARE MUTCD.
2. THIS PROJECT IS CONSIDERED A SIGNIFICANT PROJECT AS DEFINED BY DELDOT'S WORK ZONE MOBILITY PROCEDURES AND GUIDELINES. A TYPE B TRANSPORTATION MANAGEMENT PLAN (TMP) HAS BEEN PREPARED AND IS AVAILABLE FOR VIEWING BY CONTACTING THE DEPARTMENT'S SAFETY PROGRAMS MANAGER AT (302)659-4060. ALL MONITORING REQUIREMENTS OF THE TMP SHALL BE CONDUCTED BY DELDOT FORCES UNLESS OTHERWISE DIRECTED BY THE ENGINEER. MODIFICATIONS TO THE TMP SHALL BE COMPLETED BY THE CONTRACTOR IF CHANGES TO THE TIME RESTRICTIONS OR THE TRAFFIC CONTROL PLAN ARE DESIRED. THE MODIFIED TMP SHALL BE PREPARED BY A PROFESSIONAL ENGINEER, REGISTERED IN THE STATE OF DELAWARE.

TRAFFIC RESTRICTIONS:

**Allowable night-time 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																									
MONDAY																									
TUESDAY																									
WEDNESDAY																									
THURSDAY																									
FRIDAY																									
SATURDAY																									

Single lane on I-495 southbound closed (Phase 3)  
 All lanes open on I-495 SB (Phase 3)

**Allowable night-time ramp 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																									
MONDAY																									
TUESDAY																									
WEDNESDAY																									
THURSDAY																									
FRIDAY																									
SATURDAY																									

I-495 to I-95 ramp closed (Phase 1 & Phase 2)  
 I-495 to I-95 ramp open

**Allowable extended weekend ramp 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																									
MONDAY																									
TUESDAY																									
WEDNESDAY																									
THURSDAY																									
FRIDAY																									
SATURDAY																									

I-495 to I-295 ramp closed (one weekend during Phase 2)  
 I-495 to I-295 ramp open

3. TEMPORARY PAVEMENT MARKINGS SHALL MATCH EXISTING MARKINGS. THIS MAY REQUIRE THE CONTRACTOR TO INSTALL TEMPORARY PAVEMENT MARKINGS BEYOND THE LIMITS OF THE CURRENT CONSTRUCTION PHASE, AS DIRECTED BY THE ENGINEER.

## TRAFFIC CONTROL - PROJECT NOTES

1. THE CONTRACTOR SHALL COORDINATE WITH THE I-95/SR141 PROJECT AND DRBA'S I-295/US 13 PROJECT TO REDUCE CONFLICTS BETWEEN MOT SET UPS.
2. THE CONTRACTOR SHALL SUPPLY CHANGEABLE MESSAGE SIGNS UNDER ITEM 743004. AT A MINIMUM, MESSAGE SIGNS SHALL BE POSTED 10-DAYS PRIOR TO THE START OF CONSTRUCTION AND CHANGES IN TRAFFIC PATTERNS ON I-95 SB AND I-495 SB, MESSAGES SHALL BE APPROVED BY THE DISTRICT SAFETY OFFICER.
3. THE CONTRACTOR SHALL PROVIDE ONE TRAFFIC OFFICER FOR NIGHT-TIME MOBILE PAVEMENT MARKING OPERATIONS ON I-95 AND I-495.
4. FOR NIGHT-TIME OR WEEKEND CLOSURES OF ANY ROAD OR RAMP, PROVIDE ONE TRAFFIC OFFICER AT EACH CLOSURE POINT SHOWN IN THE APPLICABLE DETOUR PLANS. TRAFFIC OFFICER SHALL BE PLACED BEHIND THE CLOSURE BARRICADE WITH THE FRONT OF THE VEHICLE FACING APPROACHING TRAFFIC AND ALL EMERGENCY LIGHTS SHALL BE ACTIVATED. TRAFFIC OFFICER SHALL PROVIDE A REPORT TO THE CONTRACTOR AT THE END OF THE DAY'S ACTIVITY IDENTIFYING THE NUMBER OF VEHICLES THAT ATTEMPTED TO NOT FOLLOW THE DETOUR.
5. ADDITIONAL USAGE OF TRAFFIC OFFICERS OUTSIDE OF THE ABOVE REQUIREMENTS SHALL BE APPROVED BY THE ENGINEER IN CONSULTATION WITH THE TRAFFIC SAFETY SECTION.
6. 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 UNRAVELING:

- 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. 743000 - 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 RESPECTIVE CONTRACT MATERIAL ITEM.

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

7. THE CONTRACTOR SHALL PROVIDE AT LEAST TWO WEEKS ADVANCED NOTICE OF THE CLOSURE OF THE I-495 SB RAMP TO NB I-295 IN PHASE 2 TO THE TRAFFIC ENGINEER FOR PUBLIC OUTREACH PURPOSES.

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
	WORK AREA - PREVIOUSLY CONSTRUCTED

EROSION & SEDIMENT CONTROL	
	DEWATERING BAG
	DEWATERING BASIN
	EARTH DIKE
	INLET SEDIMENT CONTROL
	PERIMETER DIKE/SWALE
	PORTABLE SEDIMENT TANK
	SANDBAG DIKE
	SANDBAG DIVERSION
	STONE CHECK DAM
	STABILIZED CONSTRUCTION ENTRANCE
	SILT FENCE / LENGTH
	SILT FENCE
	SILT FENCE - REINFORCED
	SUMP PIT
	SEDIMENT TRAP / NUMBER
	SEDIMENT TRAP
	SEDIMENT TRAP WITH INLET AS OUTLET
	SEDIMENT TRAP PIPE OUTLET
	STILLING WELL
	TEMPORARY SWALE
	TEMPORARY SLOPE DRAIN
	TURBIDITY CURTAIN / LENGTH
	TURBIDITY CURTAIN

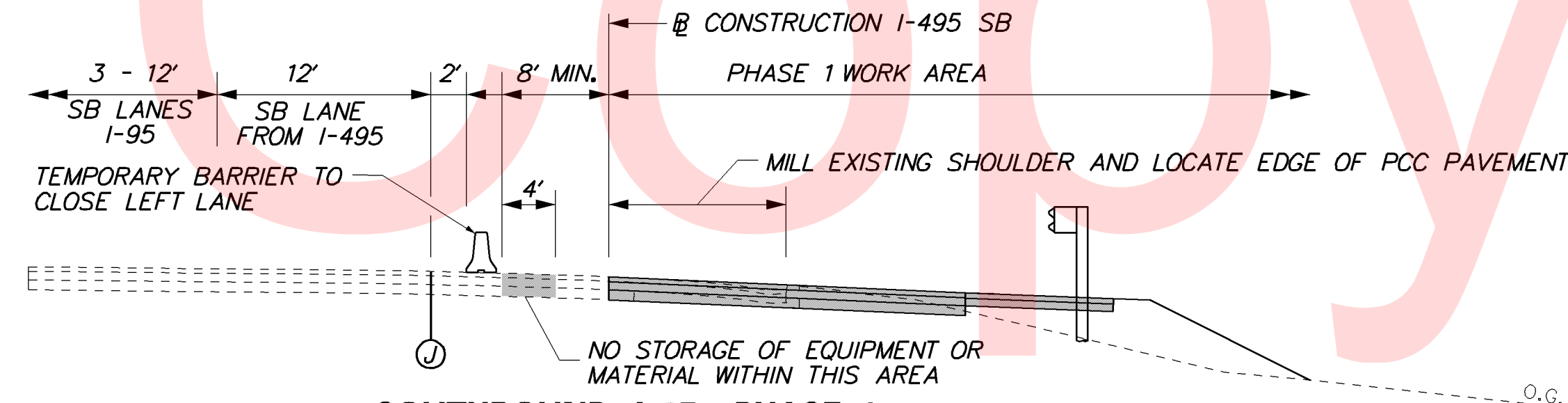
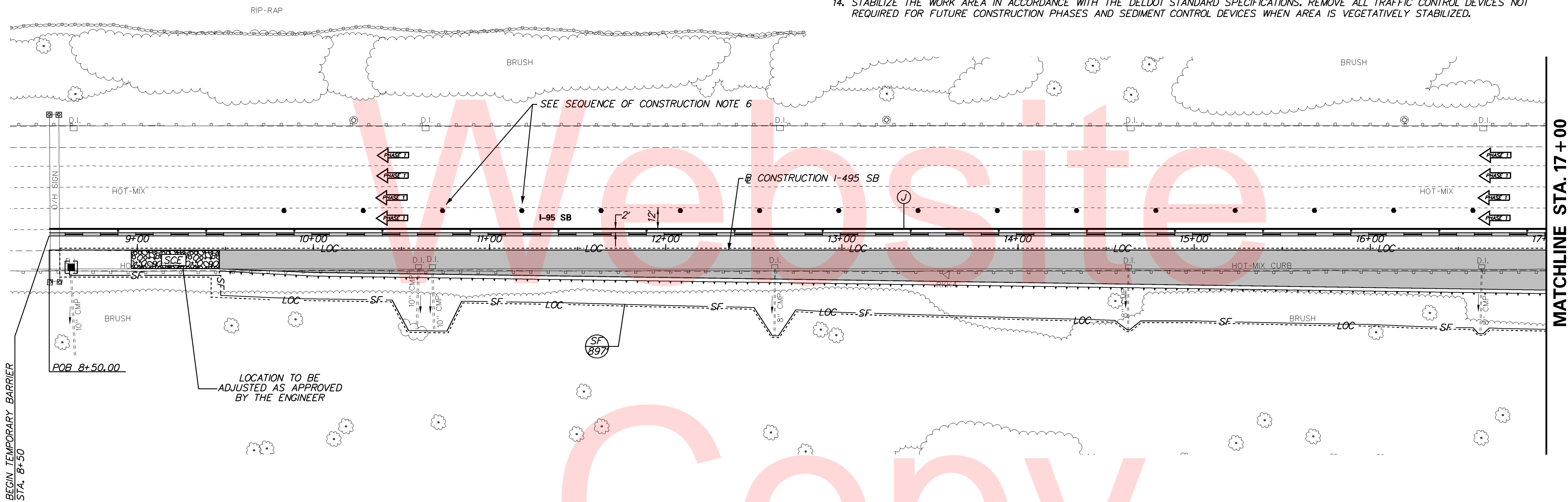
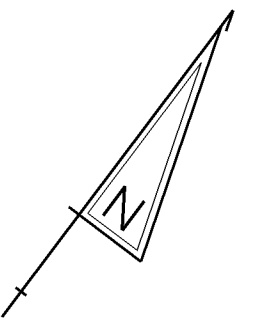
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TEMPORARY PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	4" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	0 LF
(B)	4" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	0 LF
(H)	6" SOLID WHITE TEMPORARY TAPE PAVEMENT STRIPING (ITEM 748526)	0 LF
(J)	6" SOLID YELLOW TEMPORARY TAPE PAVEMENT STRIPING (ITEM 748526)	850 LF

CONSTRUCTION PHASING LEGEND	
	WORK AREA - ACTIVE PHASE
	PREVIOUSLY CONSTRUCTED PAVEMENT
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW

SEQUENCE OF CONSTRUCTION PHASE 1

1. PLACE ALL ADVANCE WARNING SIGNS AS SHOWN ON THE ADVANCE WARNING SIGNS PLAN. COORDINATE WITH THE TMC TO HAVE VSLs ON I-495 SOUTHBOUND ADJUSTED TO 55 MPH FROM ROGERS ROAD THROUGH THE PROJECT LIMITS.
2. USE TA-33 TO CLOSE THE LEFT LANE ON I-95 SOUTHBOUND, SOUTH OF THE EXIT TO I-295 NORTHBOUND (NEW CASTLE-DEL MEM BRIDGE).
3. IMPLEMENT DETOUR PLAN FOR I-495 SB TO I-295 NB VIA US 13 AND DETOUR PLAN FOR I-495 SB TO I-95 SB VIA EXIT 5 (141 NEWPORT-NEW CASTLE) USING TA-37 TO CLOSE TWO LEFT LANES OF I-495 PRIOR TO EXIT 5.
4. INSTALL TEMPORARY BARRIER, TEMPORARY PAVEMENT MARKINGS AND OTHER TRAFFIC CONTROL DEVICES AS SHOWN ON PLANS.
5. REMOVE DRUMS ALONG I-95 SOUTHBOUND, STA. 8+50 TO STA. 27+50, TO REOPEN LEFT LANE AS SHOWN ON PLANS.
6. OPEN SHIFTED RAMP TO I-95 SB AND EXISTING RAMP TO I-295 NB.
7. CLEAR AND GRUB WITHIN THE LIMITS OF CONSTRUCTION AND INSTALL EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON THE PLANS.
8. REMOVE EXISTING GUARDRAIL AND HOT-MIX CURB.
9. REMOVE EXISTING DRAINAGE STRUCTURES AS SHOWN ON THE PLANS.
10. MILL EXISTING SHOULDER AND LOCATE EDGE OF EXISTING PCC PAVEMENT. REMOVE EXISTING SHOULDER PAVEMENT TO THE EDGE OF EXISTING PCC PAVEMENT AND EXCAVATE AS REQUIRED TO CONSTRUCT NEW PAVEMENT SECTION AS SHOWN ON PLANS. ROUGH GRADE TO PROPOSED SUBGRADE.
11. CONSTRUCT NEW FULL DEPTH PAVEMENT AND MAINTENANCE PAVEMENT TO THE FINAL PROPOSED GRADE.
12. INSTALL PROPOSED GUARDRAIL AS SHOWN ON THE PLANS.
13. INSTALL PERMANENT PAVEMENT MARKINGS ALONG I-95 SOUTHBOUND STA. 9+46 TO STA. 27+50 AS SHOWN ON STRIPING PLANS.
14. STABILIZE THE WORK AREA IN ACCORDANCE WITH THE DELDOT STANDARD SPECIFICATIONS. REMOVE ALL TRAFFIC CONTROL DEVICES NOT REQUIRED FOR FUTURE CONSTRUCTION PHASES AND SEDIMENT CONTROL DEVICES WHEN AREA IS VEGETATIVELY STABILIZED.



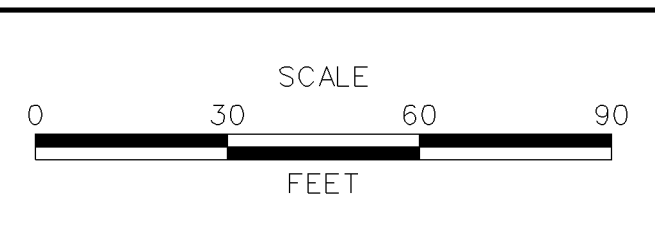
**SOUTHBOUND I-95 PHASE 1**  
**STA. 9+46.46 to STA. 23+53.57**

**NOTES:**

1. ALL SIGNS SHOWN ON THE CONSTRUCTION PHASING SHEETS SHALL BE MOUNTED ON SIGN POSTS @ A HEIGHT OF 7 FEET FROM PAVEMENT TO BOTTOM OF SIGN.

7/19/2017 3:09:00 PM \\BALSROV01\2014\_2014\_14144...DELDOT1707\TASK 10 - I495 195 SB LANE EXTENSION\CADD\CONTRACT\PLANS\C503\_PH1\_SBLE.DGN

ADDENDUMS / REVISIONS



CONTRACT	BRIDGE NO.	<b>1-800</b>
T201706101	DESIGNED BY:	BAH
COUNTY	CHECKED BY:	ZJS
NEW CASTLE		

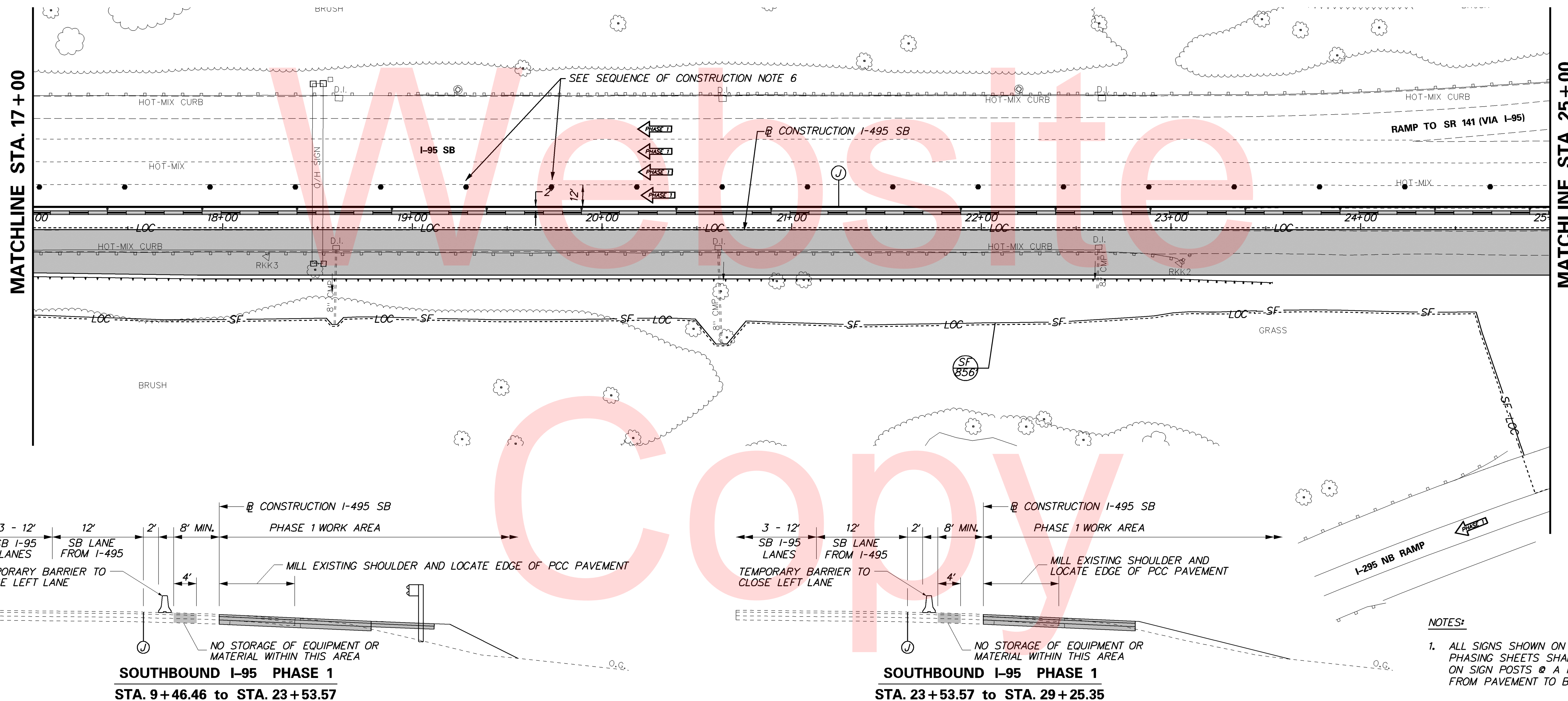
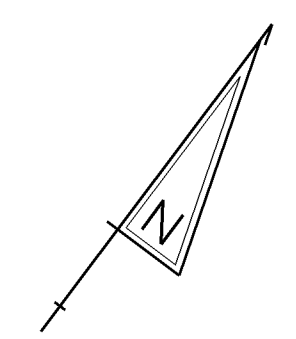
SHEET NO.	18
TOTAL SHTS.	35

TEMPORARY PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	4" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	0 LF
(B)	4" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	0 LF
(H)	6" SOLID WHITE TEMPORARY TAPE PAVEMENT STRIPING (ITEM 748526)	0 LF
(J)	6" SOLID YELLOW TEMPORARY TAPE PAVEMENT STRIPING (ITEM 748526)	800 LF

CONSTRUCTION PHASING LEGEND	
	WORK AREA - ACTIVE PHASE
	PREVIOUSLY CONSTRUCTED PAVEMENT
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW

SEQUENCE OF CONSTRUCTION PHASE 1

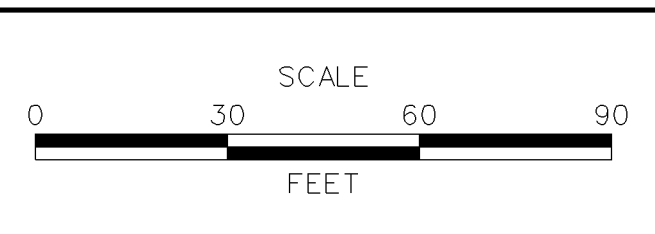
1. PLACE ALL ADVANCE WARNING SIGNS AS SHOWN ON THE ADVANCE WARNING SIGNS PLAN. COORDINATE WITH THE TMC TO HAVE VSLs ON I-495 SOUTHBOUND ADJUSTED TO 55 MPH FROM ROGERS ROAD THROUGH THE PROJECT LIMITS.
2. USE TA-33 TO CLOSE THE LEFT LANE ON I-95 SOUTHBOUND, SOUTH OF THE EXIT TO I-295 NORTHBOUND (NEW CASTLE-DEL MEM BRIDGE).
3. IMPLEMENT DETOUR PLAN FOR I-495 SB TO I-295 NB VIA US 13 AND DETOUR PLAN FOR I-495 SB TO I-95 SB VIA EXIT 5 (141 NEWPORT-NEW CASTLE) USING TA-37 TO CLOSE TWO LEFT LANES OF I-495 PRIOR TO EXIT 5.
4. INSTALL TEMPORARY BARRIER, TEMPORARY PAVEMENT MARKINGS AND OTHER TRAFFIC CONTROL DEVICES AS SHOWN ON PLANS.
5. REMOVE DRUMS ALONG I-95 SOUTHBOUND, STA. 8+50 TO STA. 27+50, TO REOPEN LEFT LANE AS SHOWN ON PLANS.
6. OPEN SHIFTED RAMP TO I-95 SB AND EXISTING RAMP TO I-295 NB.
7. CLEAR AND GRUB WITHIN THE LIMITS OF CONSTRUCTION AND INSTALL EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON THE PLANS.
8. REMOVE EXISTING GUARDRAIL AND HOT-MIX CURB.
9. REMOVE EXISTING DRAINAGE STRUCTURES AS SHOWN ON THE PLANS.
10. MILL EXISTING SHOULDER AND LOCATE EDGE OF EXISTING PCC PAVEMENT. REMOVE EXISTING SHOULDER PAVEMENT TO THE EDGE OF EXISTING PCC PAVEMENT AND EXCAVATE AS REQUIRED TO CONSTRUCT NEW PAVEMENT SECTION AS SHOWN ON PLANS. ROUGH GRADE TO PROPOSED SUBGRADE.
11. CONSTRUCT NEW FULL DEPTH PAVEMENT AND MAINTENANCE PAVEMENT TO THE FINAL PROPOSED GRADE.
12. INSTALL PROPOSED GUARDRAIL AS SHOWN ON THE PLANS.
13. INSTALL PERMANENT PAVEMENT MARKINGS ALONG I-95 SOUTHBOUND STA. 9+46 TO STA. 27+50 AS SHOWN ON STRIPING PLANS.
14. STABILIZE THE WORK AREA IN ACCORDANCE WITH THE DELDOT STANDARD SPECIFICATIONS. REMOVE ALL TRAFFIC CONTROL DEVICES NOT REQUIRED FOR FUTURE CONSTRUCTION PHASES AND SEDIMENT CONTROL DEVICES WHEN AREA IS VEGETATIVELY STABILIZED.



- NOTES:
1. ALL SIGNS SHOWN ON THE CONSTRUCTION PHASING SHEETS SHALL BE MOUNTED ON SIGN POSTS @ A HEIGHT OF 7 FEET FROM PAVEMENT TO BOTTOM OF SIGN.

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ADDENDUMS / REVISIONS



CONTRACT	BRIDGE NO.	<b>1-800</b>
T201706101	DESIGNED BY:	BAH
COUNTY	CHECKED BY:	ZJS
NEW CASTLE		

SEQUENCE OF CONSTRUCTION PHASE 1

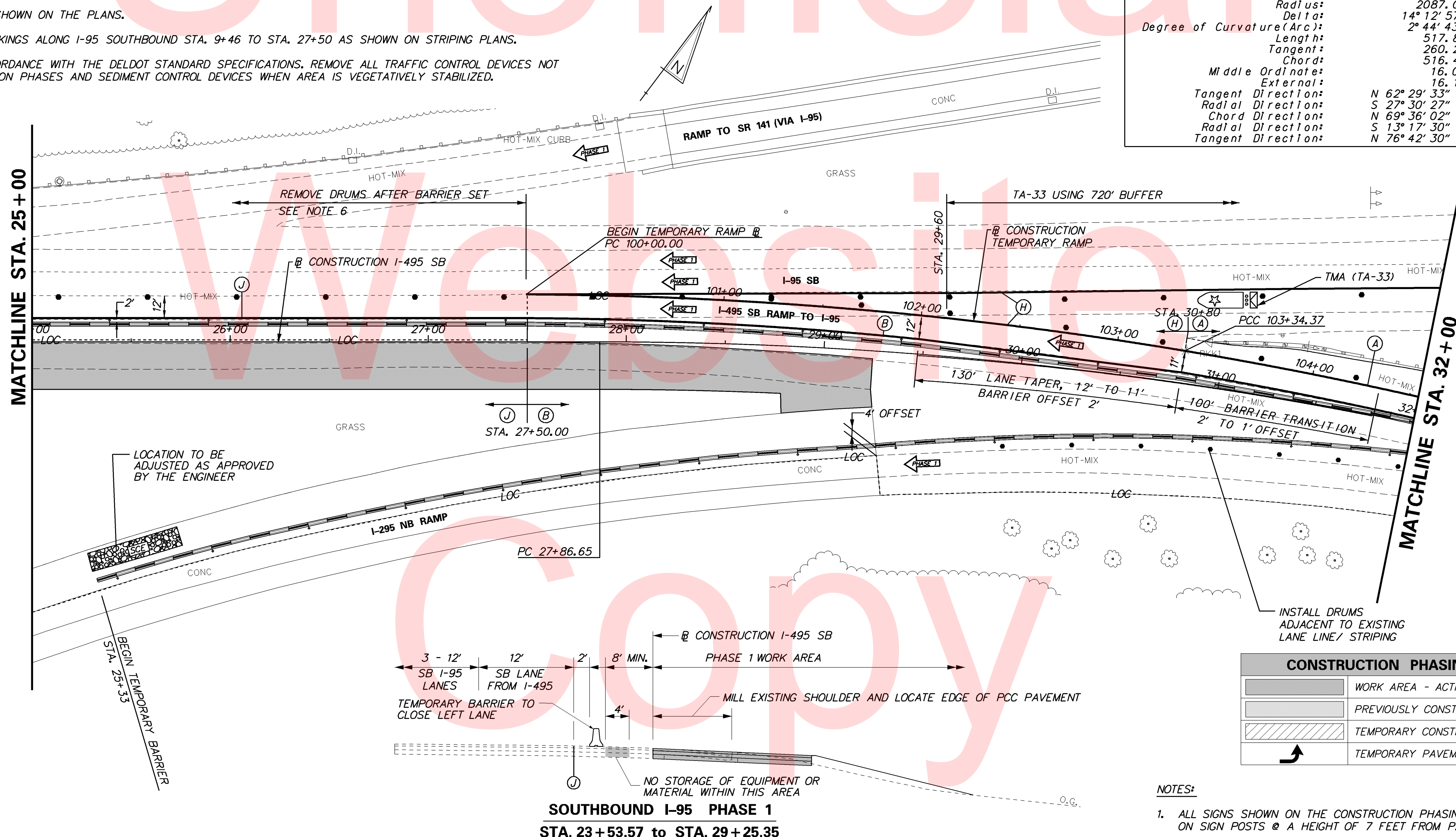
- PLACE ALL ADVANCE WARNING SIGNS AS SHOWN ON THE ADVANCE WARNING SIGNS PLAN. COORDINATE WITH THE TMC TO HAVE VSLs ON I-495 SOUTHBOUND ADJUSTED TO 55 MPH FROM ROGERS ROAD THROUGH THE PROJECT LIMITS.
- USE TA-33 TO CLOSE THE LEFT LANE ON I-95 SOUTHBOUND, SOUTH OF THE EXIT TO I-295 NORTHBOUND (NEW CASTLE-DEL MEM BRIDGE).
- IMPLEMENT DETOUR PLAN FOR I-495 SB TO I-295 NB VIA US 13 AND DETOUR PLAN FOR I-495 SB TO I-95 SB VIA EXIT 5 (141 NEWPORT-NEW CASTLE) USING TA-37 TO CLOSE TWO LEFT LANES OF I-495 PRIOR TO EXIT 5.
- INSTALL TEMPORARY BARRIER, TEMPORARY PAVEMENT MARKINGS AND OTHER TRAFFIC CONTROL DEVICES AS SHOWN ON PLANS.
- REMOVE DRUMS ALONG I-95 SOUTHBOUND, STA. 8+50 TO STA. 27+50, TO REOPEN LEFT LANE AS SHOWN ON PLANS.
- OPEN SHIFTED RAMP TO I-95 SB AND EXISTING RAMP TO I-295 NB.
- CLEAR AND GRUB WITHIN THE LIMITS OF CONSTRUCTION AND INSTALL EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON THE PLANS.
- REMOVE EXISTING GUARDRAIL AND HOT-MIX CURB.
- REMOVE EXISTING DRAINAGE STRUCTURES AS SHOWN ON THE PLANS.
- MILL EXISTING SHOULDER AND LOCATE EDGE OF EXISTING PCC PAVEMENT. REMOVE EXISTING SHOULDER PAVEMENT TO THE EDGE OF EXISTING PCC PAVEMENT AND EXCAVATE AS REQUIRED TO CONSTRUCT NEW PAVEMENT SECTION AS SHOWN ON PLANS. ROUGH GRADE TO PROPOSED SUBGRADE.
- CONSTRUCT NEW FULL DEPTH PAVEMENT AND MAINTENANCE PAVEMENT TO THE FINAL PROPOSED GRADE.
- INSTALL PROPOSED GUARDRAIL AS SHOWN ON THE PLANS.
- INSTALL PERMANENT PAVEMENT MARKINGS ALONG I-95 SOUTHBOUND STA. 9+46 TO STA. 27+50 AS SHOWN ON STRIPING PLANS.
- STABILIZE THE WORK AREA IN ACCORDANCE WITH THE DELDOT STANDARD SPECIFICATIONS. REMOVE ALL TRAFFIC CONTROL DEVICES NOT REQUIRED FOR FUTURE CONSTRUCTION PHASES AND SEDIMENT CONTROL DEVICES WHEN AREA IS VEGETATIVELY STABILIZED.

TEMPORARY PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	4" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	120 LF
(B)	4" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	452 LF
(H)	6" SOLID WHITE TEMPORARY TAPE PAVEMENT STRIPING (ITEM 748526)	797 LF
(J)	6" SOLID YELLOW TEMPORARY TAPE PAVEMENT STRIPING (ITEM 748526)	250 LF

I-495 MOT SB				
CIRCULAR CURVE NO. ②				
Element: Circular				
PC ( 32000)	100+00.00	623771.14	607669.76	
PI ( 36000)	101+67.54	623871.24	607804.11	
CC ( 32001)		622097.55	608916.63	
PCC ( 32002)	103+34.37	623948.62	607952.72	
Radius:	2087.00			
Delta:	9° 10' 47" Right			
Degree of Curvature (Arc):	2° 44' 43"			
Length:	334.37			
Tangent:	167.54			
Chord:	334.02			
Middle Ordinate:	6.69			
External:	6.71			
Tangent Direction:	N 53° 18' 46" E			
Radial Direction:	S 36° 41' 14" E			
Chord Direction:	N 57° 54' 10" E			
Radial Direction:	S 27° 30' 27" E			
Tangent Direction:	N 62° 29' 33" E			

CIRCULAR CURVE NO. ③				
Element: Circular				
PCC ( 32002)	103+34.37	623948.62	607952.72	
PI ( 36002)	105+94.61	624068.81	608183.54	
CC ( 32001)		622097.55	608916.63	
PT ( 32003)	108+52.18	624128.65	608436.81	
Radius:	2087.00			
Delta:	14° 12' 57" Right			
Degree of Curvature (Arc):	2° 44' 43"			
Length:	517.81			
Tangent:	260.24			
Chord:	516.48			
Middle Ordinate:	16.04			
External:	16.16			
Tangent Direction:	N 62° 29' 33" E			
Radial Direction:	S 27° 30' 27" E			
Chord Direction:	N 69° 36' 02" E			
Radial Direction:	S 13° 17' 30" E			
Tangent Direction:	N 76° 42' 30" E			



CONSTRUCTION PHASING LEGEND	
	WORK AREA - ACTIVE PHASE
	PREVIOUSLY CONSTRUCTED PAVEMENT
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW

- NOTES:
- ALL SIGNS SHOWN ON THE CONSTRUCTION PHASING SHEETS SHALL BE MOUNTED ON SIGN POSTS @ A HEIGHT OF 7 FEET FROM PAVEMENT TO BOTTOM OF SIGN.

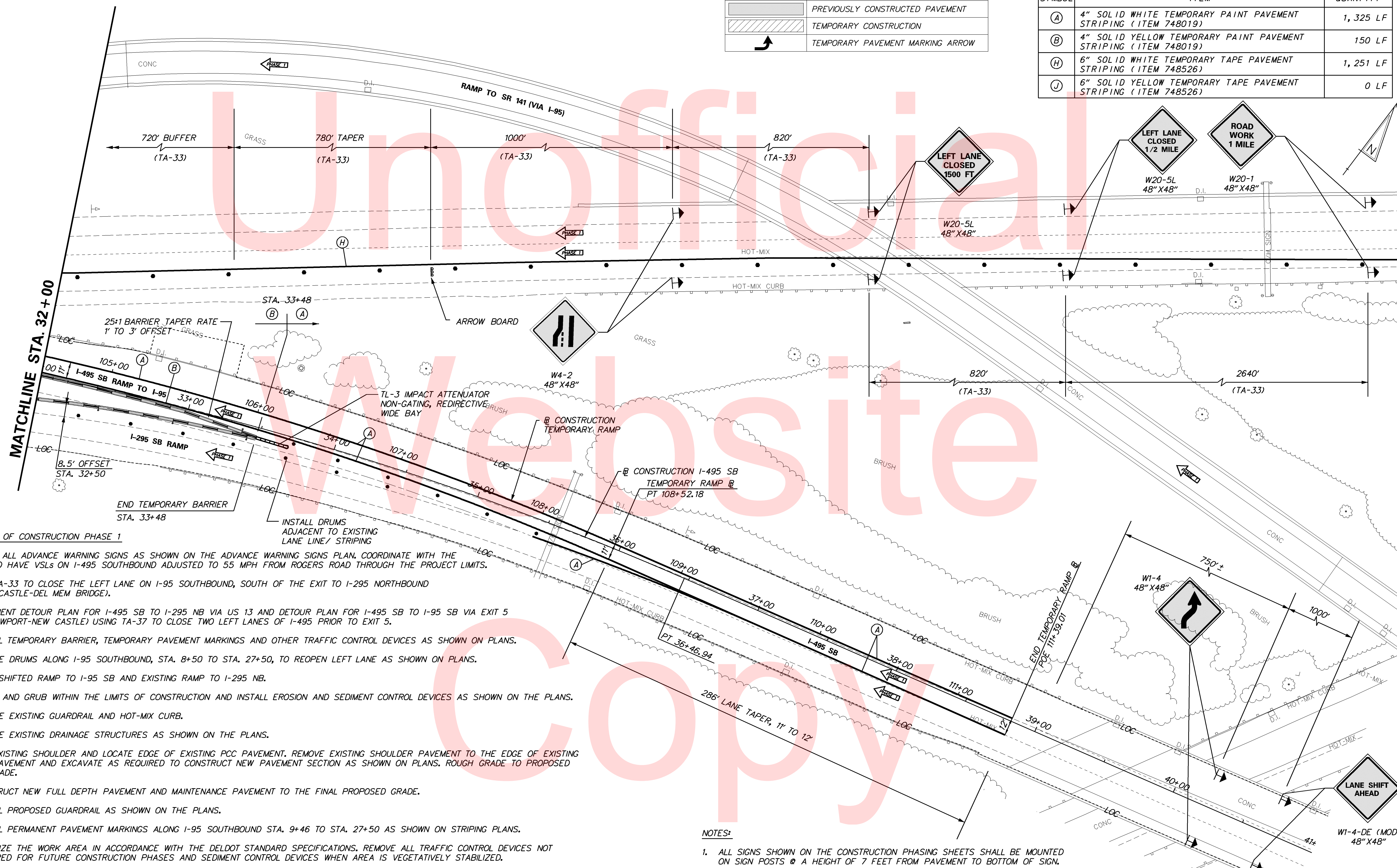
**SOUTHBOUND I-95 PHASE 1**  
STA. 23+53.57 to STA. 29+25.35



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CONSTRUCTION PHASING LEGEND	
	WORK AREA - ACTIVE PHASE
	PREVIOUSLY CONSTRUCTED PAVEMENT
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW

TEMPORARY PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	4" SOLID WHITE TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	1,325 LF
(B)	4" SOLID YELLOW TEMPORARY PAINT PAVEMENT STRIPING (ITEM 748019)	150 LF
(H)	6" SOLID WHITE TEMPORARY TAPE PAVEMENT STRIPING (ITEM 748526)	1,251 LF
(J)	6" SOLID YELLOW TEMPORARY TAPE PAVEMENT STRIPING (ITEM 748526)	0 LF



**SEQUENCE OF CONSTRUCTION PHASE 1**

1. PLACE ALL ADVANCE WARNING SIGNS AS SHOWN ON THE ADVANCE WARNING SIGNS PLAN. COORDINATE WITH THE TMC TO HAVE VSLs ON I-495 SOUTHBOUND ADJUSTED TO 55 MPH FROM ROGERS ROAD THROUGH THE PROJECT LIMITS.
2. USE TA-33 TO CLOSE THE LEFT LANE ON I-95 SOUTHBOUND, SOUTH OF THE EXIT TO I-295 NORTHBOUND (NEW CASTLE-DEL MEM BRIDGE).
3. IMPLEMENT DETOUR PLAN FOR I-495 SB TO I-295 NB VIA US 13 AND DETOUR PLAN FOR I-495 SB TO I-95 SB VIA EXIT 5 (141 NEWPORT-NEW CASTLE) USING TA-37 TO CLOSE TWO LEFT LANES OF I-495 PRIOR TO EXIT 5.
4. INSTALL TEMPORARY BARRIER, TEMPORARY PAVEMENT MARKINGS AND OTHER TRAFFIC CONTROL DEVICES AS SHOWN ON PLANS.
5. REMOVE DRUMS ALONG I-95 SOUTHBOUND, STA. 8+50 TO STA. 27+50, TO REOPEN LEFT LANE AS SHOWN ON PLANS.
6. OPEN SHIFTED RAMP TO I-95 SB AND EXISTING RAMP TO I-295 NB.
7. CLEAR AND GRUB WITHIN THE LIMITS OF CONSTRUCTION AND INSTALL EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON THE PLANS.
8. REMOVE EXISTING GUARDRAIL AND HOT-MIX CURB.
9. REMOVE EXISTING DRAINAGE STRUCTURES AS SHOWN ON THE PLANS.
10. MILL EXISTING SHOULDER AND LOCATE EDGE OF EXISTING PCC PAVEMENT. REMOVE EXISTING SHOULDER PAVEMENT TO THE EDGE OF EXISTING PCC PAVEMENT AND EXCAVATE AS REQUIRED TO CONSTRUCT NEW PAVEMENT SECTION AS SHOWN ON PLANS. ROUGH GRADE TO PROPOSED SUBGRADE.
11. CONSTRUCT NEW FULL DEPTH PAVEMENT AND MAINTENANCE PAVEMENT TO THE FINAL PROPOSED GRADE.
12. INSTALL PROPOSED GUARDRAIL AS SHOWN ON THE PLANS.
13. INSTALL PERMANENT PAVEMENT MARKINGS ALONG I-95 SOUTHBOUND STA. 9+46 TO STA. 27+50 AS SHOWN ON STRIPING PLANS.
14. STABILIZE THE WORK AREA IN ACCORDANCE WITH THE DELDOT STANDARD SPECIFICATIONS. REMOVE ALL TRAFFIC CONTROL DEVICES NOT REQUIRED FOR FUTURE CONSTRUCTION PHASES AND SEDIMENT CONTROL DEVICES WHEN AREA IS VEGETATIVELY STABILIZED.

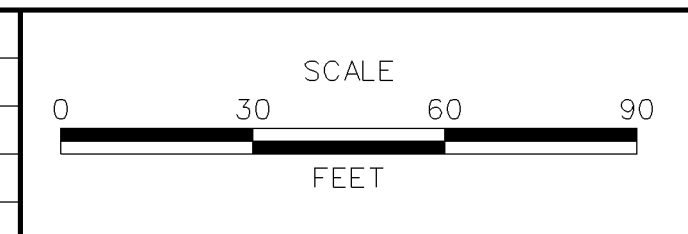
**NOTES:**

1. ALL SIGNS SHOWN ON THE CONSTRUCTION PHASING SHEETS SHALL BE MOUNTED ON SIGN POSTS @ A HEIGHT OF 7 FEET FROM PAVEMENT TO BOTTOM OF SIGN.

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**DELAWARE DEPARTMENT OF TRANSPORTATION**

ADDENDUMS / REVISIONS



**PAVEMENT AND REHABILITATION NORTH I, 2017**

CONTRACT	T201706101	BRIDGE NO.	1-800
COUNTY	NEW CASTLE	DESIGNED BY:	BAH
		CHECKED BY:	ZJS

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

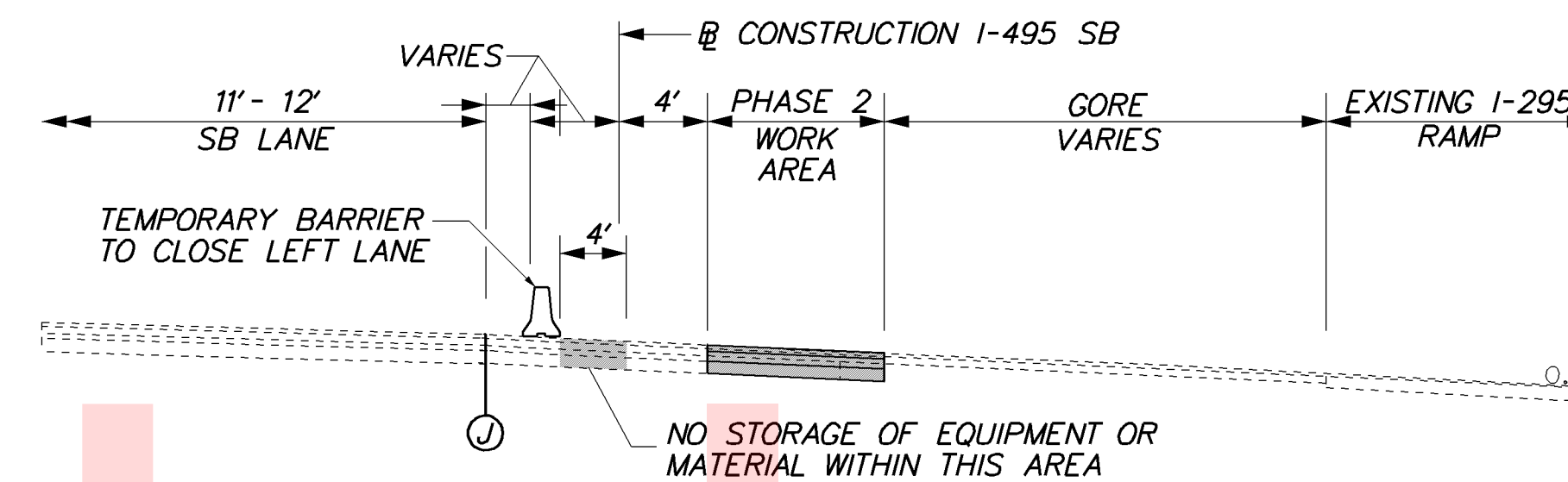
SHEET NO.	21
TOTAL SHTS.	35

SEQUENCE OF CONSTRUCTION PHASE 2

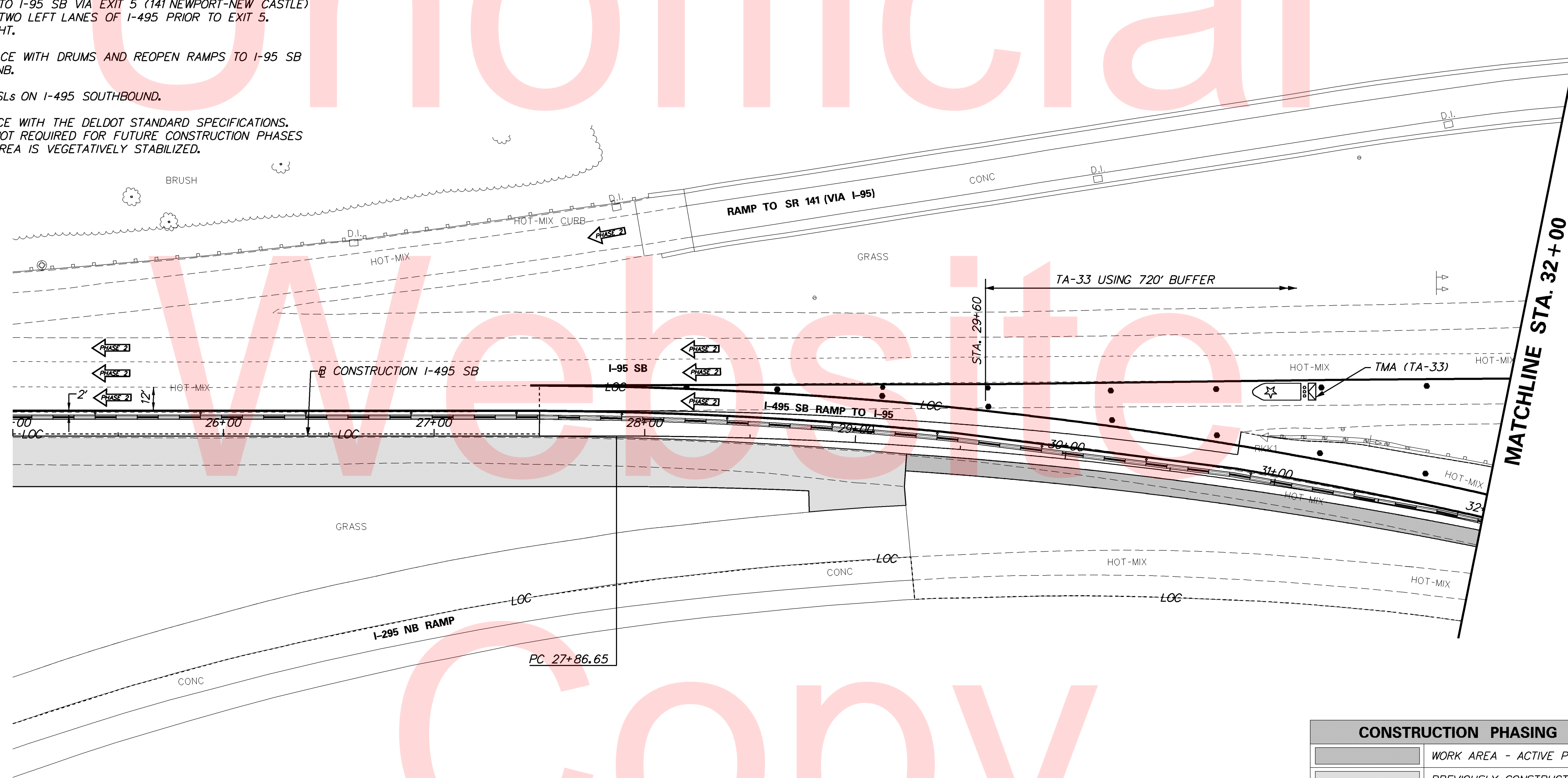
1. INSPECT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL DEVICES INSTALLED IN PREVIOUS PHASES AS REQUIRED.
2. MAINTAIN TRAFFIC PATTERNS FROM PREVIOUS PHASE ON I-95 SOUTHBOUND AND ON I-495 SOUTHBOUND RAMP TO I-95.
3. DURING DESIGNATED WEEKEND WORK AS APPROVED BY ENGINEER, IMPLEMENT DETOUR PLAN FOR I-495 SB TO I-295 NB VIA US 13 AND CLOSE THE RAMP TO I-295 NB. USE TA-33 TO CLOSE THE LEFT LANE ON I-495 SOUTHBOUND, PROVIDING TWO LANES FOR A MINIMUM OF 1,560 FEET FROM THE EXISTING RIGHT LANE DROP JUST SOUTH OF EXIT 5 (STATION 46+27) NORTH ALONG I-495.
4. REMOVE TEMPORARY BARRIER ALONG RAMP TO I-295 NORTHBOUND, RELOCATE PORTION OF BARRIER TO I-495 RAMP AND RELOCATE CRASH CUSHIONS AS SHOWN ON PLAN.
5. SAWCUT, REMOVE EXISTING PAVEMENT AND EXCAVATE AS REQUIRED WITHIN THE WORK AREA. ROUGH GRADE TO PROPOSED SUBGRADE.
6. CONSTRUCT NEW FULL DEPTH PAVEMENT UP TO THE TOP OF B COURSE.
7. IMPLEMENT DETOUR PLAN FOR I-495 SB TO I-95 SB VIA EXIT 5 (141 NEWPORT-NEW CASTLE) FOR ONE NIGHT, USING TA-37 TO CLOSE TWO LEFT LANES OF I-495 PRIOR TO EXIT 5. CLOSE I-495 SB AT EXIT 5 FOR ONE NIGHT.
8. REMOVE TEMPORARY BARRIER AND REPLACE WITH DRUMS AND REOPEN RAMPS TO I-95 SB (TEMPORARY CONFIGURATION) AND I-295 NB.
9. COORDINATE WITH THE TMC TO ADJUST VSLs ON I-495 SOUTHBOUND.
10. STABILIZE THE WORK AREA IN ACCORDANCE WITH THE DELDOT STANDARD SPECIFICATIONS. REMOVE ALL TRAFFIC CONTROL DEVICES NOT REQUIRED FOR FUTURE CONSTRUCTION PHASES AND SEDIMENT CONTROL DEVICES WHEN AREA IS VEGETATIVELY STABILIZED.

SEQUENCE OF CONSTRUCTION PHASE 3

1. INSPECT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL DEVICES INSTALLED IN PREVIOUS PHASES AS REQUIRED.
2. USE TA-33 TO PROVIDE SINGLE LANE CLOSURES DURING NIGHT WORK HOURS AS APPROVED BY DELDOT SAFETY. MILL AND OVERLAY AS SHOWN ON PLANS. USE DETOUR PLANS TO CLOSE RAMPS TO I-95 AND I-295 AS DIRECTED BY THE ENGINEER TO MILL AND OVERLAY RAMP AREAS.
3. USE TA-35E TO INSTALL REMAINING PERMANENT PAVEMENT MARKINGS AS SHOWN ON STRIPING PLANS. ALL SIGNING AND PAVEMENT MARKINGS SHALL BE INSTALLED AND THE OVERLAY PANELS ON OVERHEAD SIGN STRUCTURES 1125 060 & 1124 060 SHALL BE REMOVED PRIOR TO OPENING I-495 TWO LANE RAMP AND I-95 SB LANE EXTENSION. IF SIGNS ARE INSTALLED PRIOR TO MILL AND OVERLAY, SIGNS SHALL BE COVERED UNTIL PAVEMENT MARKINGS ARE INSTALLED.
4. STABILIZE THE WORK AREA IN ACCORDANCE WITH THE DELDOT STANDARD SPECIFICATIONS. REMOVE ALL TRAFFIC CONTROL DEVICES AND OPEN ALL LANES TO TRAFFIC. REMOVE ALL SEDIMENT CONTROL DEVICES WHEN AREA IS VEGETATIVELY STABILIZED.



**SOUTHBOUND I-495 PHASE 2**  
**STA. 29+25.35 to STA. 32+50.00**



CONSTRUCTION PHASING LEGEND	
	WORK AREA - ACTIVE PHASE
	PREVIOUSLY CONSTRUCTED PAVEMENT
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW

NOTES:

1. ALL SIGNS SHOWN ON THE CONSTRUCTION PHASING SHEETS SHALL BE MOUNTED ON SIGN POSTS @ A HEIGHT OF 7 FEET FROM PAVEMENT TO BOTTOM OF SIGN.

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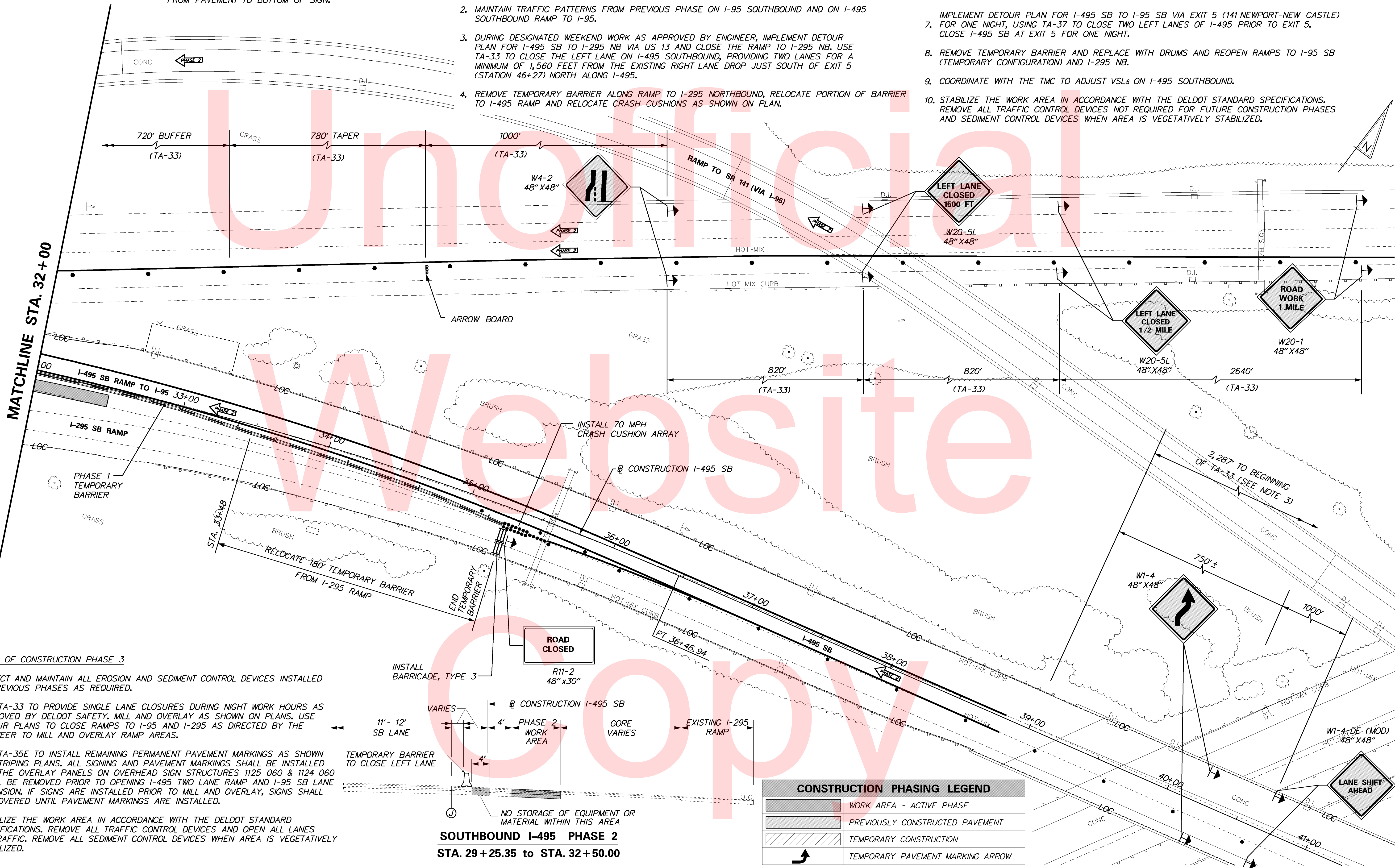
**NOTES:**

1. ALL SIGNS SHOWN ON THE CONSTRUCTION PHASING SHEETS SHALL BE MOUNTED ON SIGN POSTS @ A HEIGHT OF 7 FEET FROM PAVEMENT TO BOTTOM OF SIGN.

**SEQUENCE OF CONSTRUCTION PHASE 2**

1. INSPECT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL DEVICES INSTALLED IN PREVIOUS PHASES AS REQUIRED.
2. MAINTAIN TRAFFIC PATTERNS FROM PREVIOUS PHASE ON I-95 SOUTHBOUND AND ON I-495 SOUTHBOUND RAMP TO I-95.
3. DURING DESIGNATED WEEKEND WORK AS APPROVED BY ENGINEER, IMPLEMENT DETOUR PLAN FOR I-495 SB TO I-295 NB VIA US 13 AND CLOSE THE RAMP TO I-295 NB. USE TA-33 TO CLOSE THE LEFT LANE ON I-495 SOUTHBOUND, PROVIDING TWO LANES FOR A MINIMUM OF 1,560 FEET FROM THE EXISTING RIGHT LANE DROP JUST SOUTH OF EXIT 5 (STATION 46+27) NORTH ALONG I-495.
4. REMOVE TEMPORARY BARRIER ALONG RAMP TO I-295 NORTHBOUND, RELOCATE PORTION OF BARRIER TO I-495 RAMP AND RELOCATE CRASH CUSHIONS AS SHOWN ON PLAN.

5. SAWCUT, REMOVE EXISTING PAVEMENT AND EXCAVATE AS REQUIRED WITHIN THE WORK AREA. ROUGH GRADE TO PROPOSED SUBGRADE.
6. CONSTRUCT NEW FULL DEPTH PAVEMENT UP TO THE TOP OF B COURSE.
- IMPLEMENT DETOUR PLAN FOR I-495 SB TO I-95 SB VIA EXIT 5 (141 NEWPORT-NEW CASTLE)
7. FOR ONE NIGHT, USING TA-37 TO CLOSE TWO LEFT LANES OF I-495 PRIOR TO EXIT 5. CLOSE I-495 SB AT EXIT 5 FOR ONE NIGHT.
8. REMOVE TEMPORARY BARRIER AND REPLACE WITH DRUMS AND REOPEN RAMPS TO I-95 SB (TEMPORARY CONFIGURATION) AND I-295 NB.
9. COORDINATE WITH THE TMC TO ADJUST VSLs ON I-495 SOUTHBOUND.
10. STABILIZE THE WORK AREA IN ACCORDANCE WITH THE DELDOT STANDARD SPECIFICATIONS. REMOVE ALL TRAFFIC CONTROL DEVICES NOT REQUIRED FOR FUTURE CONSTRUCTION PHASES AND SEDIMENT CONTROL DEVICES WHEN AREA IS VEGETATIVELY STABILIZED.



**SEQUENCE OF CONSTRUCTION PHASE 3**

1. INSPECT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL DEVICES INSTALLED IN PREVIOUS PHASES AS REQUIRED.
2. USE TA-33 TO PROVIDE SINGLE LANE CLOSURES DURING NIGHT WORK HOURS AS APPROVED BY DELDOT SAFETY. MILL AND OVERLAY AS SHOWN ON PLANS. USE DETOUR PLANS TO CLOSE RAMPS TO I-95 AND I-295 AS DIRECTED BY THE ENGINEER TO MILL AND OVERLAY RAMP AREAS.
3. USE TA-35E TO INSTALL REMAINING PERMANENT PAVEMENT MARKINGS AS SHOWN ON STRIPING PLANS. ALL SIGNING AND PAVEMENT MARKINGS SHALL BE INSTALLED AND THE OVERLAY PANELS ON OVERHEAD SIGN STRUCTURES 1125 060 & 1124 060 SHALL BE REMOVED PRIOR TO OPENING I-495 TWO LANE RAMP AND I-95 SB LANE EXTENSION. IF SIGNS ARE INSTALLED PRIOR TO MILL AND OVERLAY, SIGNS SHALL BE COVERED UNTIL PAVEMENT MARKINGS ARE INSTALLED.
4. STABILIZE THE WORK AREA IN ACCORDANCE WITH THE DELDOT STANDARD SPECIFICATIONS. REMOVE ALL TRAFFIC CONTROL DEVICES AND OPEN ALL LANES TO TRAFFIC. REMOVE ALL SEDIMENT CONTROL DEVICES WHEN AREA IS VEGETATIVELY STABILIZED.

**SOUTHBOUND I-495 PHASE 2**  
**STA. 29+25.35 to STA. 32+50.00**

CONSTRUCTION PHASING LEGEND	
	WORK AREA - ACTIVE PHASE
	PREVIOUSLY CONSTRUCTED PAVEMENT
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW

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**PORTABLE CHANGEABLE MESSAGE SIGNS**

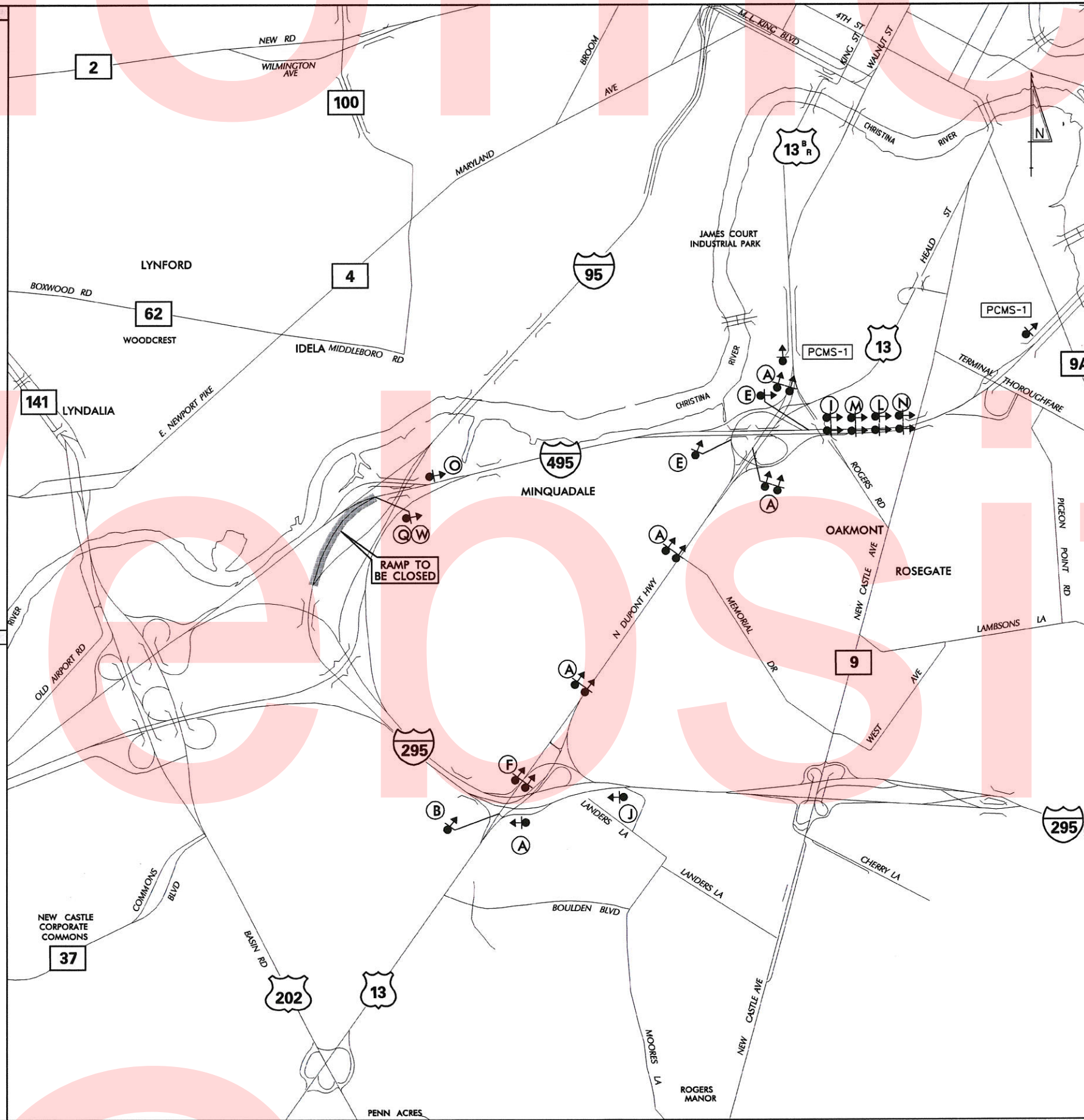
PRIOR TO DETOUR  
(10 DAYS PRIOR TO BEGINNING OF DETOUR)

PCMS-1  
**RAMP TO I 295 NB CLOSED**  
**STARTING XXXXXX XXXXXXXX**

DURING DETOUR

PCMS-1  
**RAMP TO I 295 NB CLOSED**  
**FOLLOW DETOUR**

**SPECIAL SIGNS**



**LEGEND**

<b>A</b> DETOUR M4-8 M1-1 M6-3	<b>B</b> DETOUR M4-8 M1-1 M6-1(L)	<b>C</b> DETOUR M4-8 M1-1 M6-1(R)	<b>D</b> DETOUR M4-8 M1-1 M6-2(L)
<b>E</b> DETOUR M4-8 M1-1 M6-2(R)	<b>F</b> DETOUR M4-8 M1-1 M5-1(L)	<b>G</b> DETOUR M4-8 M1-1 M5-1(R)	<b>H</b> DETOUR M4-8 M1-1 M5-2(L)
<b>I</b> DETOUR M4-8 M1-1 M5-2(R)	<b>J</b> END DETOUR M4-8a M1-1	<b>K</b> DETOUR AHEAD W20-2	<b>L</b> DETOUR 1000 FT W20-2
<b>M</b> DETOUR 500 FT W20-2	<b>N</b> RAMP CLOSED AHEAD W20-3	<b>O</b> RAMP CLOSED 1000 FT W20-3	<b>P</b> RAMP CLOSED 500 FT W20-3
<b>Q</b> RAMP CLOSED R11-2	<b>R</b> DETOUR M4-10(L)	<b>S</b> DETOUR M4-10(R)	
<b>T</b> ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY R11-3a	<b>U</b> BRIDGE OUT XX MILES AHEAD LOCAL TRAFFIC ONLY R11-3b	<b>V</b> ROAD CLOSED TO THRU TRAFFIC R11-4	
<b>W</b> BARRICADE	<b>X</b> BARRICADE		

**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.)
- 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.
- DESIGN OF ALL SIGNS SHALL BE IN ACCORDANCE WITH THE FHWA STANDARD HIGHWAY SIGNS BOOK.
- 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.
- THE COLORS, DIMENSIONS, AND CHARACTERISTICS OF ALL INTERSTATE, U.S. ROUTE, AND STATE ROUTE SHIELD SIGNS SHALL BE IN ACCORDANCE WITH SECTION 2D.11 OF "THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (DE MUTCD.)
- SIGNS NO LONGER IN USE SHALL BE COMPLETELY COVERED WITH NO RETROREFLECTIVE MATERIAL SHOWING, OR SHALL BE REMOVED, AS DIRECTED BY THE ENGINEER.
- 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.
- SIGNS "N" THROUGH "O" AND "T" AND "V", THE WORD "ROAD" SHOULD BE CHANGED TO "RAMP", "RR XING", OR "BRIDGE" WHERE APPLICABLE.
- WARNING SIGNS AND DETOUR TRAILBLAZERS SHALL BE MOUNTED ON BREAKAWAY POSTS AND HAVE RETROREFLECTIVE FLUORESCENT ORANGE SHEETING.
- "W" BARRICADES SHALL COMPLETELY RUN THE FULL WIDTH OF THE ROADWAY.
- BARRICADES SHALL BE A MINIMUM OF 6 FEET WIDE UNLESS DIRECTED BY THE ENGINEER.

RECOMMENDED Zachary Scholl DATE: 04.24.17    RECOMMENDED Zachary Scholl DATE: 06.20.17    APPROVED CHIEF SAFETY OFFICER [Signature] DATE: 7-10-17    APPROVED TRAFFIC ENGINEER [Signature] DATE: 7/10/17

<p><b>DELAWARE DEPARTMENT OF TRANSPORTATION</b></p>	ADDENDUM / REVISIONS	<p><b>NOT TO SCALE</b></p> <p><b>PAVEMENT AND REHABILITATION NORTH I, 2017</b></p>	CONTRACT T201706101	PERMIT NO. X	<p><b>VEHICULAR DETOUR PLAN</b>  <b>I-495 SB TO I-295 NB VIA US 13</b></p>	SHEET NO. 24
			COUNTY NEW CASTLE	DESIGNED BY: BAH		TOTAL SHTS. 35
			CHECKED BY: ZJS			

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**PORTABLE CHANGEABLE MESSAGE SIGNS**

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

PCMS-1

RAMP TO  
I 95 SB  
CLOSED

STARTING  
XX/XXXX  
XXXXXXXX

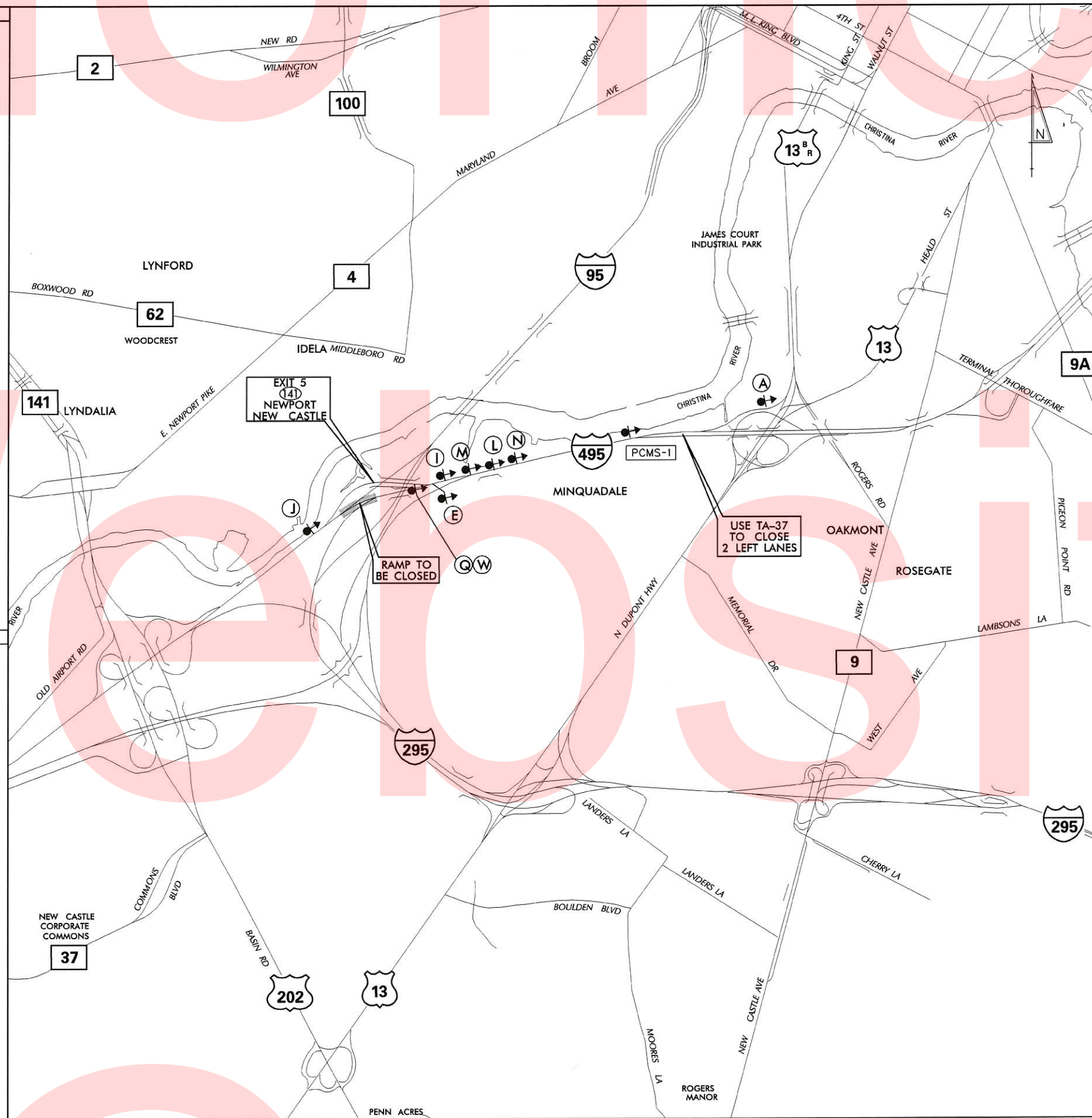
DURING DETOUR

PCMS-1

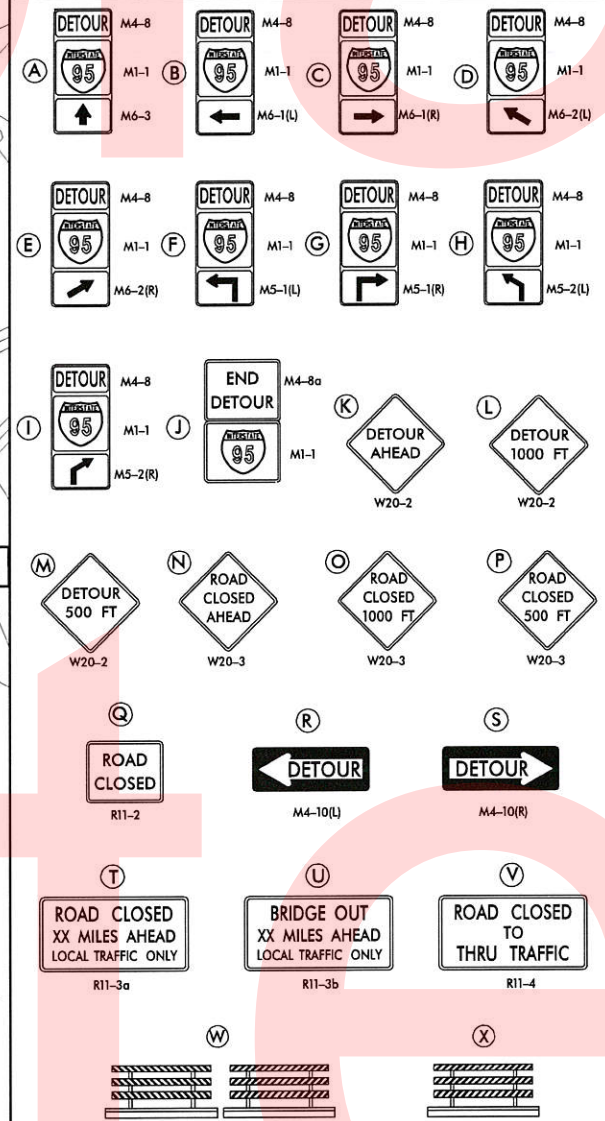
RAMP TO  
I 95 SB  
CLOSED

FOLLOW  
DETOUR  
EXIT 5

**SPECIAL SIGNS**



**LEGEND**



**GENERAL NOTES**

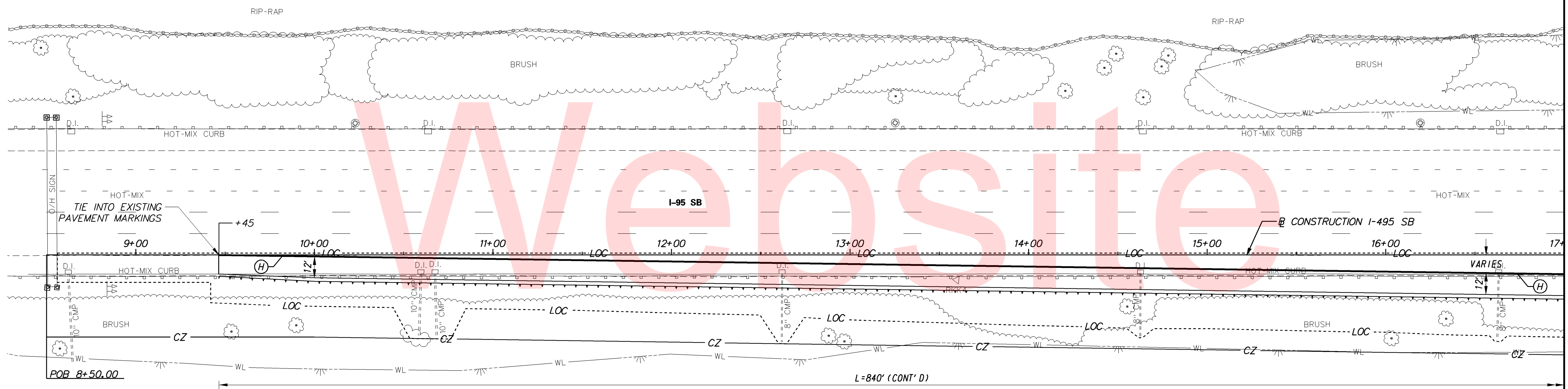
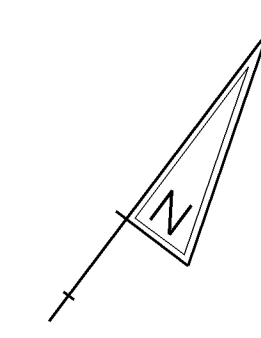
- ALL DETOUR SIGNING, INCLUDING TRAILBLAZERS, ARE TO BE SUPPLIED AND MAINTAINED BY THE GENERAL CONTRACTOR IN COMPLIANCE WITH "THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (DE MUTCD.)
- THE CONTRACTOR SHALL COMPLY WITH GUIDELINES IN "THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (DE MUTCD PART 6) FOR BARRICADES AND SIGNS.(AS PER LATEST REVISION)
- DESIGN OF ALL SIGNS SHALL BE IN ACCORDANCE WITH THE FHWA STANDARD HIGHWAY SIGNS BOOK.
- 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.
- THE COLORS, DIMENSIONS, AND CHARACTERISTICS OF ALL INTERSTATE, U.S. ROUTE, AND STATE ROUTE SHIELD SIGNS SHALL BE IN ACCORDANCE WITH SECTION 20.11 OF "THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (DE MUTCD.)
- SIGNS NO LONGER IN USE SHALL BE COMPLETELY COVERED WITH NO RETROREFLECTIVE MATERIAL SHOWING, OR SHALL BE REMOVED, AS DIRECTED BY THE ENGINEER.
- 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.
- SIGNS "N" THROUGH "O" AND "T" AND "V", THE WORD "ROAD" SHOULD BE CHANGED TO "RAMP", "RR XING", OR "BRIDGE" WHERE APPLICABLE.
- WARNING SIGNS AND DETOUR TRAILBLAZERS SHALL BE MOUNTED ON BREAKAWAY POSTS AND HAVE RETROREFLECTIVE FLUORESCENT ORANGE SHEETING.
- "W" BARRICADES SHALL COMPLETELY RUN THE FULL WIDTH OF THE ROADWAY.
- BARRICADES SHALL BE A MINIMUM OF 6 FEET WIDE UNLESS DIRECTED BY THE ENGINEER.

\\BALSRV01\2014\2014\14144\_DELDOT1707\TASK 10 - I495 SB LANE EXTENSION\CADD\CONTRACT\PLANS\DP02\_SBLE.DGN

RECOMMENDED Zachary Scholl DATE: 04.24.17	RECOMMENDED Zachary Scholl DATE: 06.20.17	RECOMMENDED DATE:	APPROVED CHIEF SAFETY OFFICER <i>[Signature]</i> DATE: 7-10-17	APPROVED TRAFFIC ENGINEER <i>[Signature]</i> DATE: 7/10/17										
<p><b>DELAWARE DEPARTMENT OF TRANSPORTATION</b></p>		ADDENDUM / REVISIONS	NOT TO SCALE	<p><b>PAVEMENT AND REHABILITATION NORTH 1, 2017</b></p> <table border="1"> <tr> <td>CONTRACT</td> <td>PERMIT NO.</td> <td rowspan="3"><b>X</b></td> </tr> <tr> <td>T201706101</td> <td>DESIGNED BY: BAH</td> </tr> <tr> <td>COUNTY</td> <td>CHECKED BY: ZJS</td> </tr> <tr> <td>NEW CASTLE</td> <td></td> <td></td> </tr> </table>	CONTRACT	PERMIT NO.	<b>X</b>	T201706101	DESIGNED BY: BAH	COUNTY	CHECKED BY: ZJS	NEW CASTLE		
CONTRACT	PERMIT NO.	<b>X</b>												
T201706101	DESIGNED BY: BAH													
COUNTY	CHECKED BY: ZJS													
NEW CASTLE														
<p><b>VEHICULAR DETOUR PLAN</b> I-495 SB TO I-95 SB VIA EXIT 5</p>			SHEET NO. 25	TOTAL SHTS. 35										

**PAVEMENT MARKINGS LEGEND**

SYMBOL	ITEM	QUANTITY	SYMBOL	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" SOLID (ITEM 748548)	0 LF	(G)	REMOVAL OF PAVEMENT STRIPING (ITEM 748530)	0 SF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" SOLID (ITEM 748548)	0 LF	(H)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 5" SOLID (ITEM 748548)	755 LF
	EPOXY RESIN PAINT PAVEMENT STRIPING, BLACK 3" SOLID (ITEM 748557)	0 LF	(J)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 10" SOLID (ITEM 748549)	0 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" BROKEN - 10' LINE & 30' GAP (ITEM 748548)	0 LF	(K)	PREFORMED TAPE PAVEMENT MARKINGS, WHITE 10" DOTTED - 3' LINE & 9' GAP (ITEM 748565)	0 LF
(D)	PREFORMED TAPE PAVEMENT MARKINGS, WHITE 5" BROKEN - 10' LINE & 30' GAP (ITEM 748564)	0 LF	(L)	PREFORMED PATTERNED TAPE MARKINGS, WHITE/BLACK 13" DOTTED - 3' LINE & 9' GAP (ITEM 748567)	0 LF
(E)	PREFORMED PATTERNED TAPE MARKINGS, WHITE/BLACK 8" DOTTED - 10' LINE & 30' GAP (ITEM 748566)	0 LF	(M)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 748027) @ 45° FROM EDGE LINE	0 LF
(F)	PREFORMED TAPE PAVEMENT MARKINGS, WHITE 5" DOTTED - 3' LINE & 9' GAP (ITEM 748564)	0 LF	(N)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 748015)	0 SF



MATCHLINE STA. 17+00

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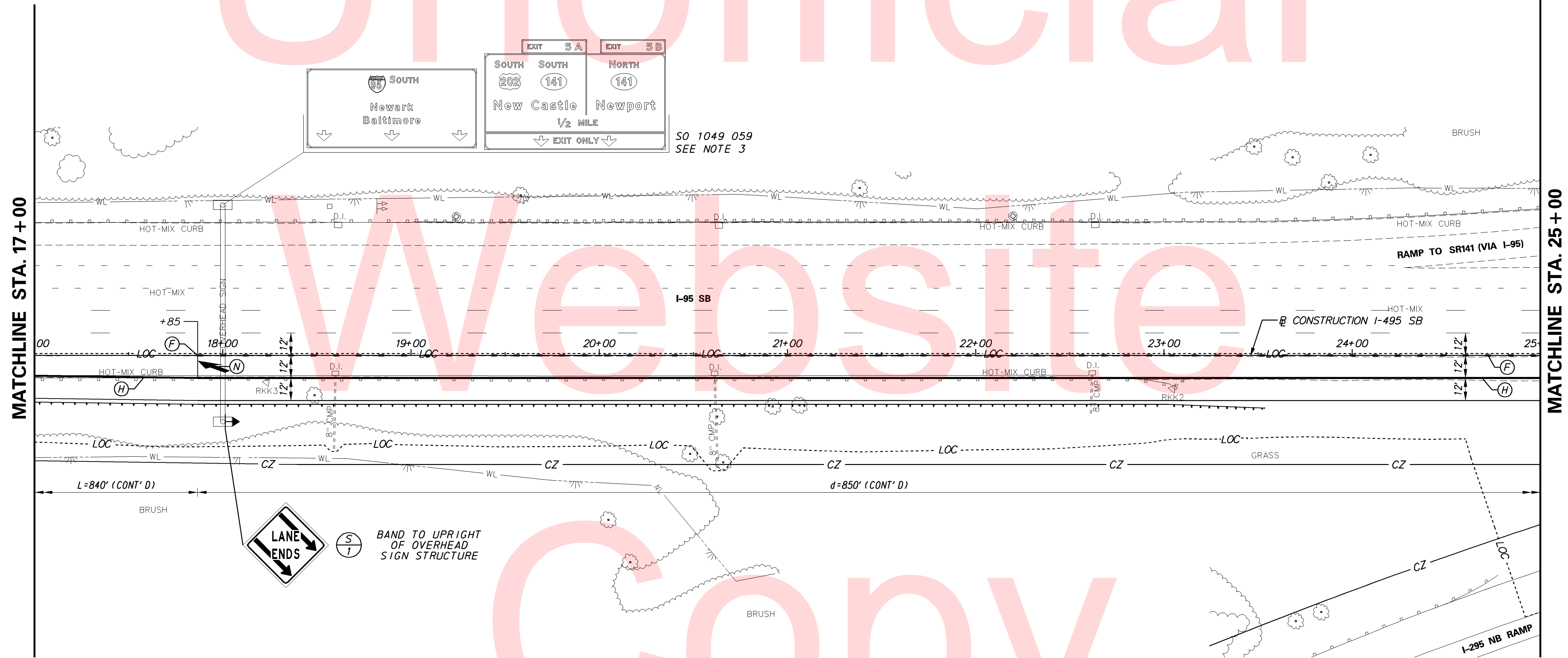
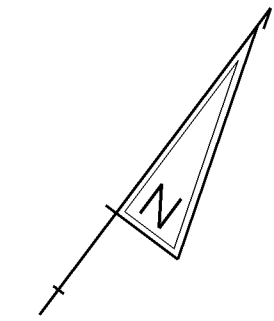
Official Website Copy

**NOTES:**

1. THE CONTRACTOR SHALL INSTALL RAISED PAVEMENT MARKERS, RPMs, (748502).
2. THIS PROJECT IS ENTIRELY WITHIN THE CHRISTINA INTERCHANGE, AND THEREFORE EXISTING DELDOT RIGHT-OF-WAY. THE EXISTING DELDOT RIGHT-OF-WAY LINES ARE BEYOND THE LIMITS OF THIS CONSTRUCTION PLAN SHEET.

**PAVEMENT MARKINGS LEGEND**

SYMBOL	ITEM	QUANTITY	SYMBOL	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" SOLID (ITEM 748548)	0 LF	(G)	REMOVAL OF PAVEMENT STRIPING (ITEM 748530)	0 SF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" SOLID (ITEM 748548)	0 LF	(H)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 5" SOLID (ITEM 748548)	800 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, BLACK 3" SOLID (ITEM 748557)	0 LF	(J)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 10" SOLID (ITEM 748549)	0 LF
(D)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" BROKEN - 10' LINE & 30' GAP (ITEM 748548)	0 LF	(K)	PREFORMED TAPE PAVEMENT MARKINGS, WHITE 10" DOTTED - 3' LINE & 9' GAP (ITEM 748565)	0 LF
(E)	PREFORMED TAPE PAVEMENT MARKINGS, WHITE 5" BROKEN - 10' LINE & 30' GAP (ITEM 748564)	0 LF	(L)	PREFORMED PATTERNED TAPE MARKINGS, WHITE/BLACK 13" DOTTED - 3' LINE & 9' GAP (ITEM 748567)	0 LF
(F)	PREFORMED PATTERNED TAPE MARKINGS, WHITE/BLACK 8" DOTTED - 10' LINE & 30' GAP (ITEM 748566)	0 LF	(M)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 748027) @ 45° FROM EDGE LINE	0 LF
(G)	PREFORMED TAPE PAVEMENT MARKINGS, WHITE 5" DOTTED - 3' LINE & 9' GAP (ITEM 748564)	180 LF	(N)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 748015)	42 SF



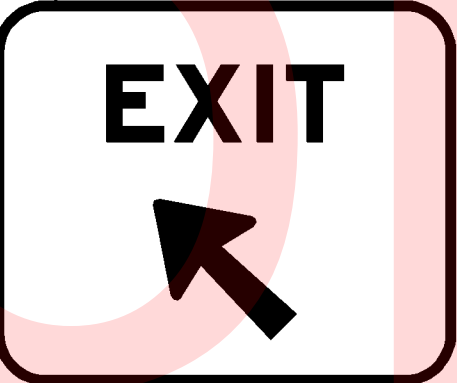
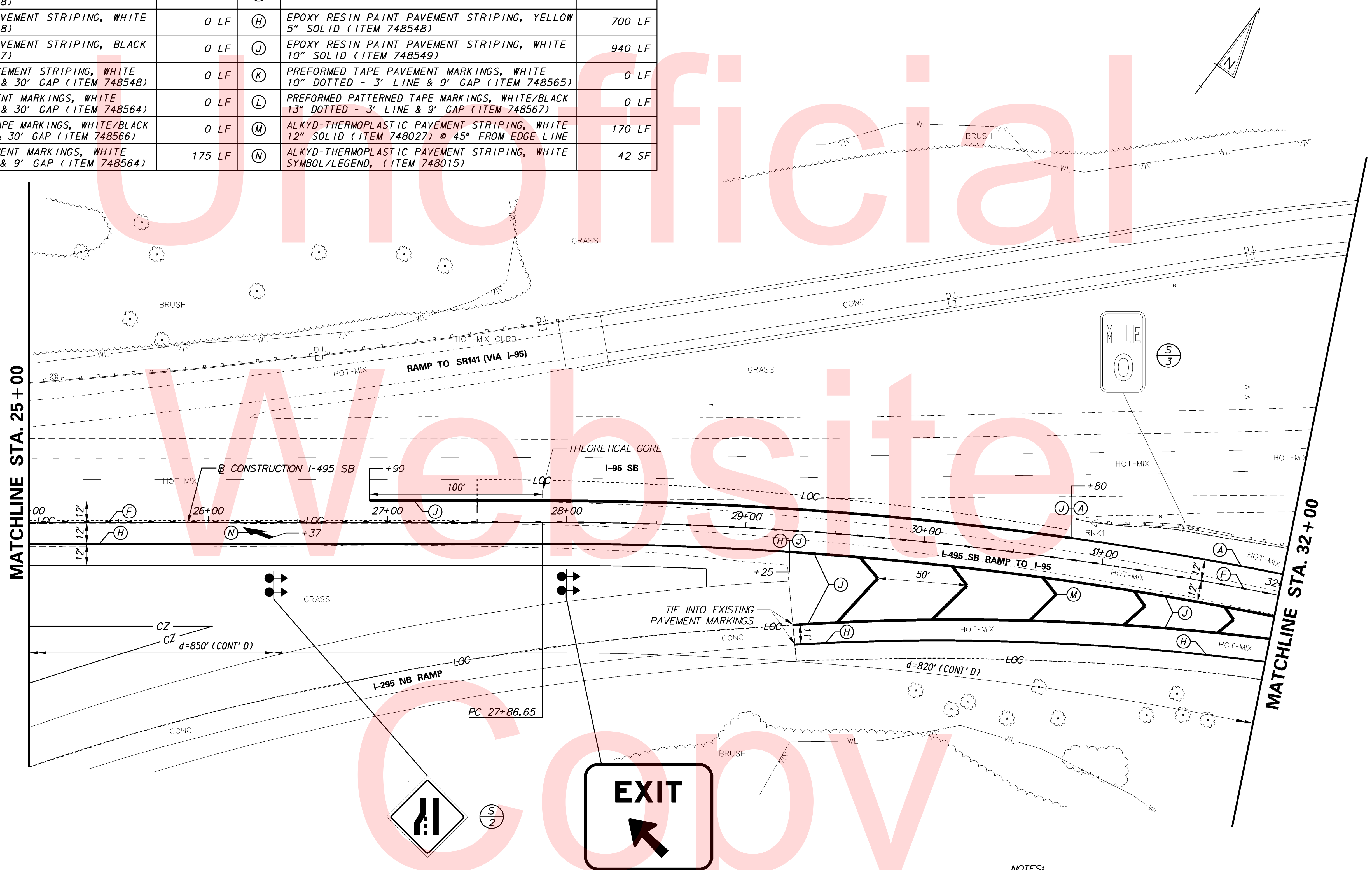
**NOTES:**

1. THE CONTRACTOR SHALL INSTALL RAISED PAVEMENT MARKERS, RPMs, (748502).
2. THIS PROJECT IS ENTIRELY WITHIN THE CHRISTINA INTERCHANGE, AND THEREFORE EXISTING DELDOT RIGHT-OF-WAY, THE EXISTING DELDOT RIGHT-OF-WAY LINES ARE BEYOND THE LIMITS OF THIS CONSTRUCTION PLAN SHEET.
3. OVERHEAD SIGN STRUCTURE AND SIGNS TO BE INSTALLED UNDER CONTRACT T201407004 - CANTILEVER AND OVERHEAD SIGN STRUCTURES, OPEN-END, FY2016-FY2018 PRIOR TO THE START OF CONSTRUCTION ON THIS CONTRACT.

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**PAVEMENT MARKINGS LEGEND**

SYMBOL	ITEM	QUANTITY	SYMBOL	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" SOLID (ITEM 748548)	120 LF	(G)	REMOVAL OF PAVEMENT STRIPING (ITEM 748530)	0 SF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" SOLID (ITEM 748548)	0 LF	(H)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 5" SOLID (ITEM 748548)	700 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, BLACK 3" SOLID (ITEM 748557)	0 LF	(J)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 10" SOLID (ITEM 748549)	940 LF
(D)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" BROKEN - 10' LINE & 30' GAP (ITEM 748548)	0 LF	(K)	PREFORMED TAPE PAVEMENT MARKINGS, WHITE 10" DOTTED - 3' LINE & 9' GAP (ITEM 748565)	0 LF
(E)	PREFORMED TAPE PAVEMENT MARKINGS, WHITE 5" BROKEN - 10' LINE & 30' GAP (ITEM 748564)	0 LF	(L)	PREFORMED PATTERNED TAPE MARKINGS, WHITE/BLACK 13" DOTTED - 3' LINE & 9' GAP (ITEM 748567)	0 LF
(F)	PREFORMED PATTERNED TAPE MARKINGS, WHITE/BLACK 8" DOTTED - 10' LINE & 30' GAP (ITEM 748566)	0 LF	(M)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 748027) @ 45° FROM EDGE LINE	170 LF
(G)	PREFORMED TAPE PAVEMENT MARKINGS, WHITE 5" DOTTED - 3' LINE & 9' GAP (ITEM 748564)	175 LF	(N)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 748015)	42 SF

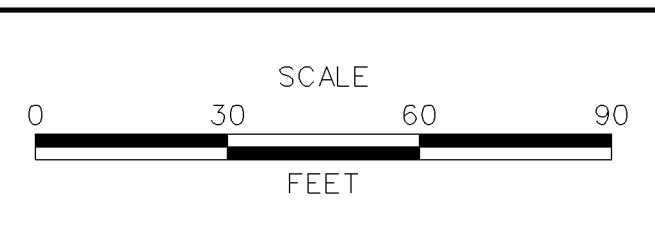


GM-1, E5-1  
72" X 60"

- NOTES:**
1. THE CONTRACTOR SHALL INSTALL RAISED PAVEMENT MARKERS, RPMs, (748502).
  2. THIS PROJECT IS ENTIRELY WITHIN THE CHRISTINA INTERCHANGE, AND THEREFORE EXISTING DELDOT RIGHT-OF-WAY. THE EXISTING DELDOT RIGHT-OF-WAY LINES ARE BEYOND THE LIMITS OF THIS CONSTRUCTION PLAN SHEET.

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ADDENDUMS / REVISIONS

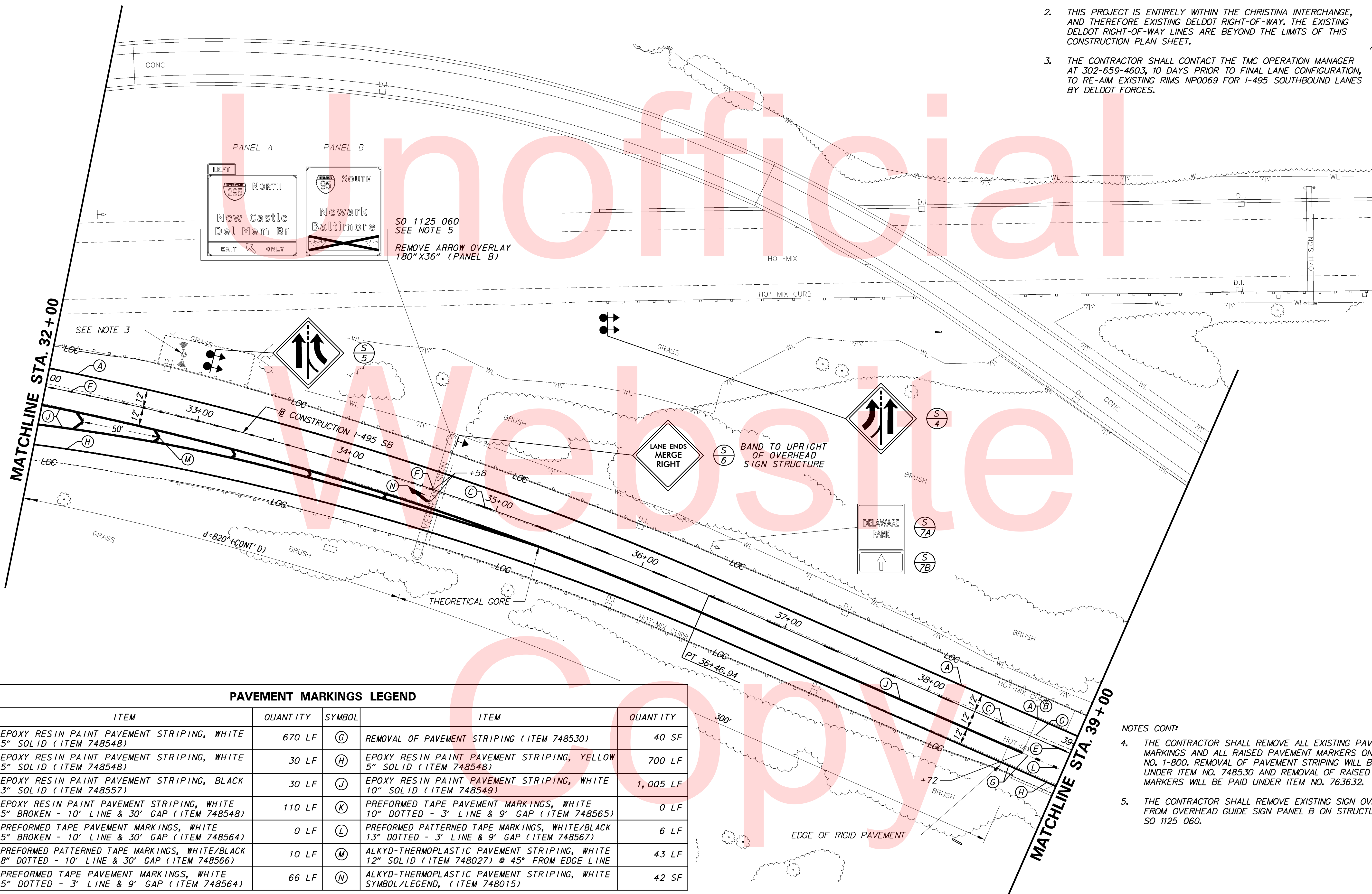
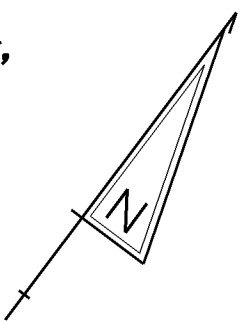


CONTRACT	BRIDGE NO.	<b>1-800</b>
T201706101	DESIGNED BY:	JWV
COUNTY	CHECKED BY:	ZJS
NEW CASTLE		

<b>SS-03</b>
SHEET NO.
28
TOTAL SHTS.
35

NOTES:

1. THE CONTRACTOR SHALL INSTALL RAISED PAVEMENT MARKERS, RPMs, (748502).
2. THIS PROJECT IS ENTIRELY WITHIN THE CHRISTINA INTERCHANGE, AND THEREFORE EXISTING DELDOT RIGHT-OF-WAY. THE EXISTING DELDOT RIGHT-OF-WAY LINES ARE BEYOND THE LIMITS OF THIS CONSTRUCTION PLAN SHEET.
3. THE CONTRACTOR SHALL CONTACT THE TMC OPERATION MANAGER AT 302-659-4603, 10 DAYS PRIOR TO FINAL LANE CONFIGURATION, TO RE-AIM EXISTING RIMS NP0069 FOR I-495 SOUTHBOUND LANES BY DELDOT FORCES.



PAVEMENT MARKINGS LEGEND

SYMBOL	ITEM	QUANTITY	SYMBOL	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" SOLID (ITEM 748548)	670 LF	(G)	REMOVAL OF PAVEMENT STRIPING (ITEM 748530)	40 SF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" SOLID (ITEM 748548)	30 LF	(H)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 5" SOLID (ITEM 748548)	700 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, BLACK 3" SOLID (ITEM 748557)	30 LF	(J)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 10" SOLID (ITEM 748549)	1,005 LF
(D)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" BROKEN - 10' LINE & 30' GAP (ITEM 748548)	110 LF	(K)	PREFORMED TAPE PAVEMENT MARKINGS, WHITE 10" DOTTED - 3' LINE & 9' GAP (ITEM 748565)	0 LF
(E)	PREFORMED TAPE PAVEMENT MARKINGS, WHITE 5" BROKEN - 10' LINE & 30' GAP (ITEM 748564)	0 LF	(L)	PREFORMED PATTERNED TAPE MARKINGS, WHITE/BLACK 13" DOTTED - 3' LINE & 9' GAP (ITEM 748567)	6 LF
(F)	PREFORMED PATTERNED TAPE MARKINGS, WHITE/BLACK 8" DOTTED - 10' LINE & 30' GAP (ITEM 748566)	10 LF	(M)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 748027) @ 45° FROM EDGE LINE	43 LF
(G)	PREFORMED TAPE PAVEMENT MARKINGS, WHITE 5" DOTTED - 3' LINE & 9' GAP (ITEM 748564)	66 LF	(N)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 748015)	42 SF

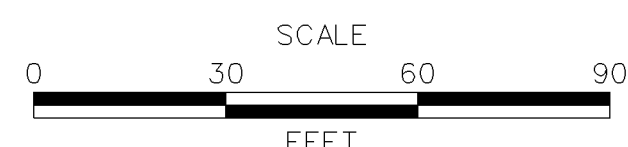
NOTES CONT:

4. THE CONTRACTOR SHALL REMOVE ALL EXISTING PAVEMENT MARKINGS AND ALL RAISED PAVEMENT MARKERS ON BRIDGE NO. 1-800. REMOVAL OF PAVEMENT STRIPING WILL BE PAID UNDER ITEM NO. 748530 AND REMOVAL OF RAISED PAVEMENT MARKERS WILL BE PAID UNDER ITEM NO. 763632.
5. THE CONTRACTOR SHALL REMOVE EXISTING SIGN OVERLAY FROM OVERHEAD GUIDE SIGN PANEL B ON STRUCTURE SO 1125 060.

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ADDENDUMS / REVISIONS



PAVEMENT AND REHABILITATION  
NORTH I, 2017

CONTRACT	BRIDGE NO.	1-800
T201706101	DESIGNED BY:	JWV
COUNTY	CHECKED BY:	ZJS
NEW CASTLE		

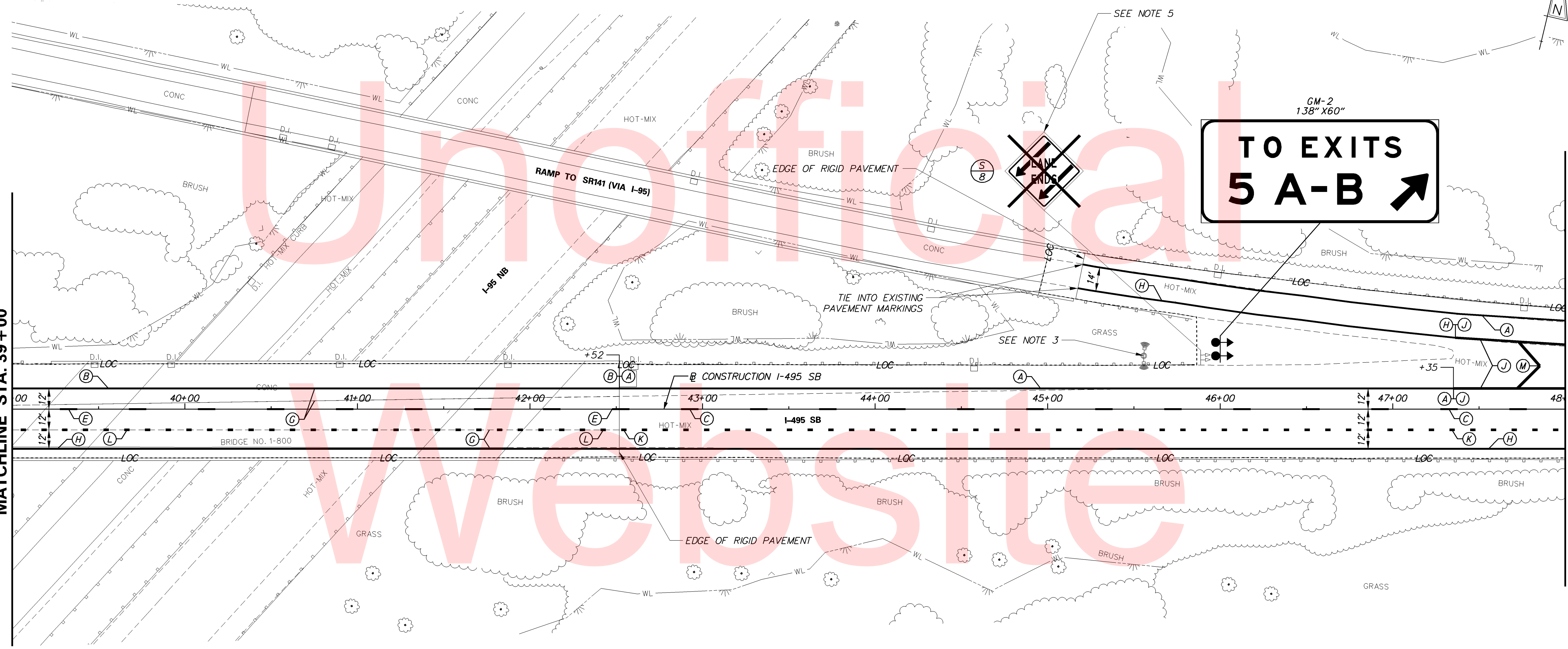
SIGNING, STRIPING  
AND CONDUIT PLAN

SS-04
SHEET NO.
29
TOTAL SHTS.
35

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MATCHLINE STA. 39+00

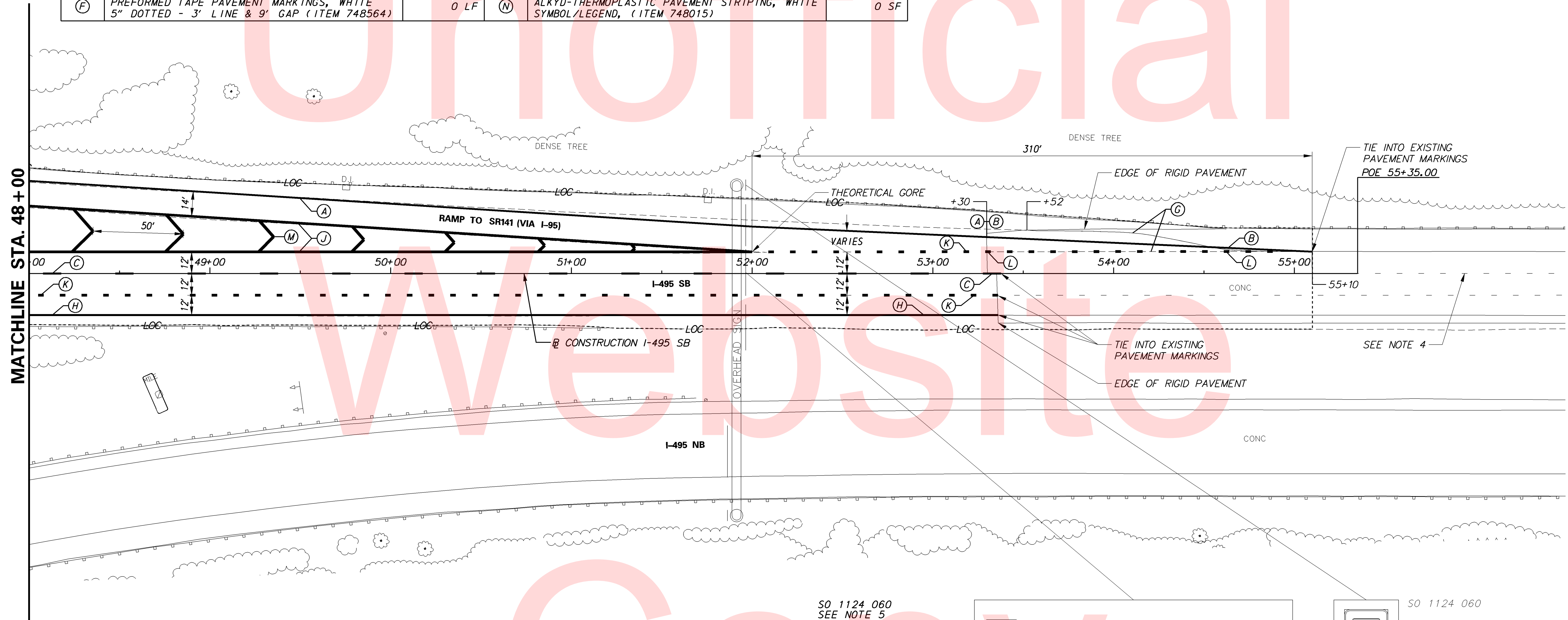
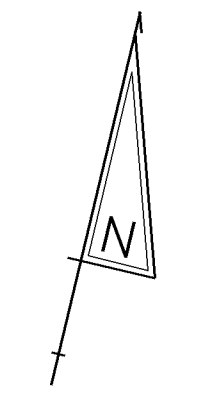
MATCHLINE STA. 48+00



- NOTES:**
- THE CONTRACTOR SHALL INSTALL RAISED PAVEMENT MARKERS, RPMs, (748502).
  - THIS PROJECT IS ENTIRELY WITHIN THE CHRISTINA INTERCHANGE, AND THEREFORE EXISTING DELDOT RIGHT-OF-WAY. THE EXISTING DELDOT RIGHT-OF-WAY LINES ARE BEYOND THE LIMITS OF THIS CONSTRUCTION PLAN SHEET.
  - THE CONTRACTOR SHALL CONTACT THE TMC OPERATION MANAGER AT 302-659-4603, 10 DAYS PRIOR TO FINAL LANE CONFIGURATION, TO RE-AIM EXISTING RIMS NP0185 FOR I-495 SOUTHBOUND LANES AND EXIT LANE TO I-295 NORTHBOUND BY DELDOT FORCES.
  - THE CONTRACTOR SHALL REMOVE ALL EXISTING PAVEMENT MARKINGS AND ALL RAISED PAVEMENT MARKERS ON BRIDGE NO. 1-800. REMOVAL OF PAVEMENT STRIPING WILL BE PAID UNDER ITEM NO. 748530 AND REMOVAL OF RAISED PAVEMENT MARKERS WILL BE PAID UNDER ITEM NO. 763632.
  - THE CONTRACTOR SHALL COORDINATE REMOVAL OF THE EXISTING W4-2R (48"x48") AND W9-2L (48"x48) GROUND MOUNTED SIGNS, UPSTREAM OF SIGN NO. 8 AT 1,975 FEET AND 2,810 FEET, RESPECTIVELY; BY CONTRACT T201407004 - CANTILEVER AND OVERHEAD SIGN STRUCTURES, OPEN-END, FY2016-FY2018.

PAVEMENT MARKINGS LEGEND					
SYMBOL	ITEM	QUANTITY	SYMBOL	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" SOLID (ITEM 748548)	785 LF	(G)	REMOVAL OF PAVEMENT STRIPING (ITEM 748530)	365 SF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" SOLID (ITEM 748548)	335 LF	(H)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 5" SOLID (ITEM 748548)	1,120 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, BLACK 3" SOLID (ITEM 748557)	335 LF	(J)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 10" SOLID (ITEM 748549)	130 LF
(D)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" BROKEN - 10' LINE & 30' GAP (ITEM 748548)	140 LF	(K)	PREFORMED TAPE PAVEMENT MARKINGS, WHITE 10" DOTTED - 3' LINE & 9' GAP (ITEM 748565)	87 LF
(E)	PREFORMED TAPE PAVEMENT MARKINGS, WHITE 5" BROKEN - 10' LINE & 30' GAP (ITEM 748564)	0 LF	(L)	PREFORMED PATTERNED TAPE MARKINGS, WHITE/BLACK 13" DOTTED - 3' LINE & 9' GAP (ITEM 748567)	90 LF
(F)	PREFORMED PATTERNED TAPE MARKINGS, WHITE/BLACK 8" DOTTED - 10' LINE & 30' GAP (ITEM 748566)	80 LF	(M)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 748027) @ 45° FROM EDGE LINE	38 LF
(G)	PREFORMED TAPE PAVEMENT MARKINGS, WHITE 5" DOTTED - 3' LINE & 9' GAP (ITEM 748564)	0 LF	(N)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 748015)	0 SF

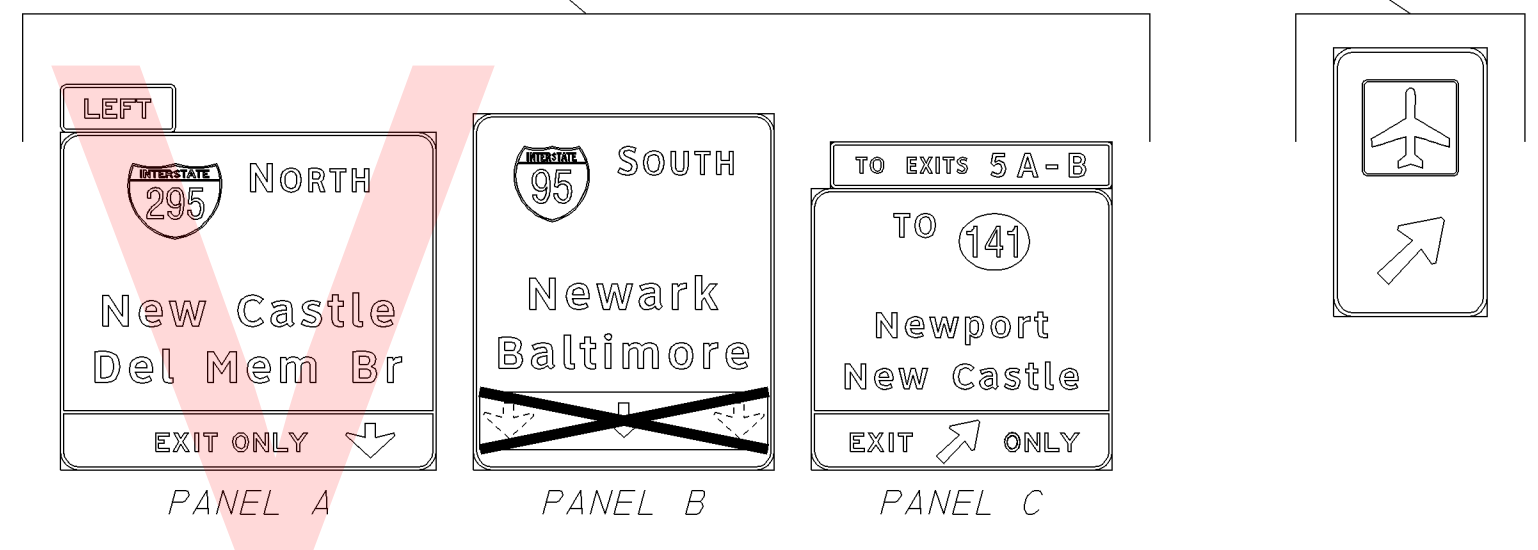
PAVEMENT MARKINGS LEGEND					
SYMBOL	ITEM	QUANTITY	SYMBOL	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" SOLID (ITEM 748548)	550 LF	(G)	REMOVAL OF PAVEMENT STRIPING (ITEM 748530)	95 SF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" SOLID (ITEM 748548)	160 LF	(H)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 5" SOLID (ITEM 748548)	535 LF
	EPOXY RESIN PAINT PAVEMENT STRIPING, BLACK 3" SOLID (ITEM 748557)	160 LF	(J)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 10" SOLID (ITEM 748549)	800 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" BROKEN - 10' LINE & 30' GAP (ITEM 748548)	140 LF	(K)	PERFORMED TAPE PAVEMENT MARKINGS, WHITE 10" DOTTED - 3' LINE & 9' GAP (ITEM 748565)	165 LF
(D)	PERFORMED TAPE PAVEMENT MARKINGS, WHITE 5" BROKEN - 10' LINE & 30' GAP (ITEM 748564)	0 LF	(L)	PERFORMED PATTERNED TAPE MARKINGS, WHITE/BLACK 13" DOTTED - 3' LINE & 9' GAP (ITEM 748567)	45 LF
(E)	PERFORMED PATTERNED TAPE MARKINGS, WHITE/BLACK 8" DOTTED - 10' LINE & 30' GAP (ITEM 748566)	0 LF	(M)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 748027) @ 45° FROM EDGE LINE	135 LF
(F)	PERFORMED TAPE PAVEMENT MARKINGS, WHITE 5" DOTTED - 3' LINE & 9' GAP (ITEM 748564)	0 LF	(N)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 748015)	0 SF



**NOTES:**

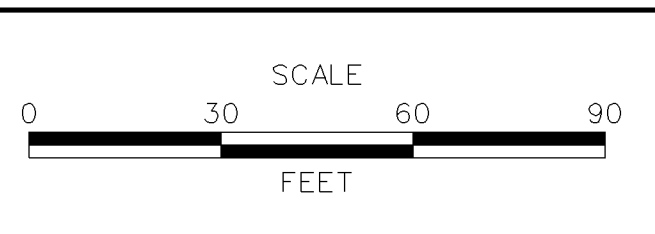
1. THE CONTRACTOR SHALL INSTALL RAISED PAVEMENT MARKERS, RPMs, (748502).
2. THIS PROJECT IS ENTIRELY WITHIN THE CHRISTINA INTERCHANGE, AND THEREFORE EXISTING DELDOT RIGHT-OF-WAY. THE EXISTING DELDOT RIGHT-OF-WAY LINES ARE BEYOND THE LIMITS OF THIS CONSTRUCTION PLAN SHEET.
3. THE CONTRACTOR SHALL REMOVE ALL EXISTING PAVEMENT MARKINGS ON RIGID PAVEMENT SECTION, AS SHOWN. REMOVAL OF PAVEMENT STRIPING WILL BE PAID UNDER ITEM NO. 748530.
4. THE CONTRACTOR SHALL COORDINATE REMOVAL OF THE EXISTING DOTTED PAVEMENT MARKING LINE ON RIGID PAVEMENT SECTION FOR THE I-495 LANE-REDUCTION BY CONTRACT T201407004 - CANTILEVER AND OVERHEAD SIGN STRUCTURES, OPEN-END, FY2016-FY2018. IN ADDITION, THE CONTRACTOR SHALL COORDINATE INSTALLATION OF THE NEW BROKEN PAVEMENT MARKING LINE OF THE SAME AREA BY THE OPEN-END SIGN STRUCTURE CONTRACT.
5. THE CONTRACTOR SHALL REMOVE EXISTING SIGN OVERLAY FROM OVERHEAD GUIDE SIGN PANEL B ON STRUCTURE SO 1124 060.

SO 1124 060  
SEE NOTE 5  
REMOVE ARROW OVERLAY  
180" X 36" (PANEL B)



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ADDENDUMS / REVISIONS

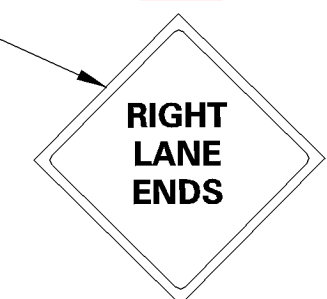


CONTRACT	T201706101	BRIDGE NO.	<b>1-800</b>
COUNTY	NEW CASTLE	DESIGNED BY:	JWV
		CHECKED BY:	ZJS

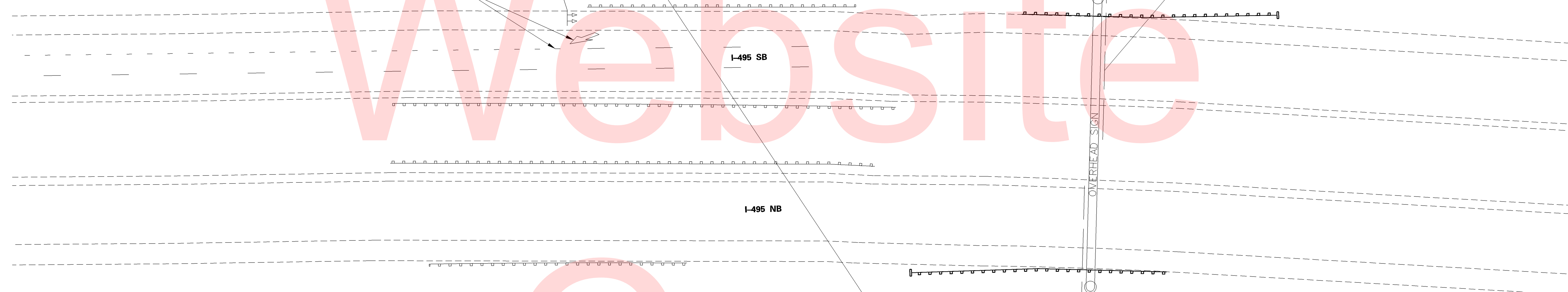
PAVEMENT MARKINGS LEGEND					
SYMBOL	ITEM	QUANTITY	SYMBOL	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" SOLID (ITEM 748548)	0 LF	(G)	REMOVAL OF PAVEMENT STRIPING (ITEM 748530)	0 SF
(B)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" SOLID (ITEM 748548)	0 LF	(H)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 5" SOLID (ITEM 748548)	0 LF
	EPOXY RESIN PAINT PAVEMENT STRIPING, BLACK 3" SOLID (ITEM 748557)	0 LF	(J)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 10" SOLID (ITEM 748549)	0 LF
(C)	EPOXY RESIN PAINT PAVEMENT STRIPING, WHITE 5" BROKEN - 10' LINE & 30' GAP (ITEM 748548)	0 LF	(K)	PREFORMED TAPE PAVEMENT MARKINGS, WHITE 10" DOTTED - 3' LINE & 9' GAP (ITEM 748565)	0 LF
(D)	PREFORMED TAPE PAVEMENT MARKINGS, WHITE 5" BROKEN - 10' LINE & 30' GAP (ITEM 748564)	0 LF	(L)	PREFORMED PATTERNED TAPE MARKINGS, WHITE/BLACK 13" DOTTED - 3' LINE & 9' GAP (ITEM 748567)	0 LF
(E)	PREFORMED PATTERNED TAPE MARKINGS, WHITE/BLACK 8" DOTTED - 10' LINE & 30' GAP (ITEM 748566)	0 LF	(M)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE 12" SOLID (ITEM 748027) @ 45° FROM EDGE LINE	0 LF
(F)	PREFORMED TAPE PAVEMENT MARKINGS, WHITE 5" DOTTED - 3' LINE & 9' GAP (ITEM 748564)	0 LF	(N)	ALKYD-THERMOPLASTIC PAVEMENT STRIPING, WHITE SYMBOL/LEGEND, (ITEM 748015)	0 SF



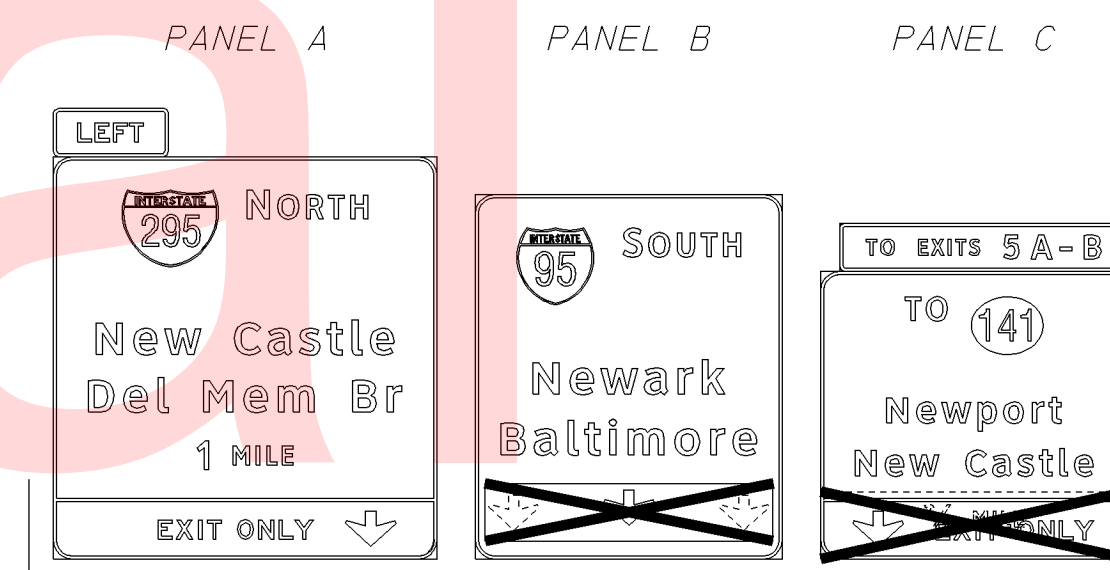
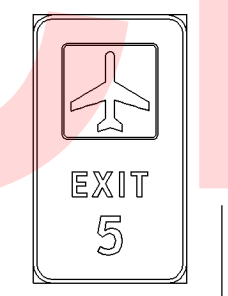
SEE NOTE 3



SEE NOTE 2



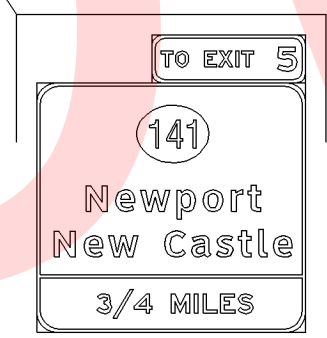
SO 1104 060



SO 1104 060  
SEE NOTE 4  
REMOVE ARROW OVERLAY 180" X 36" (PANEL B)  
REMOVE ARROW AND EXIT ONLY OVERLAY 192" X 42" (PANEL C)

NOTE:

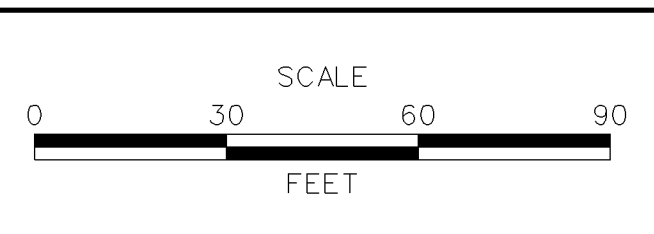
- THIS PROJECT IS ENTIRELY WITHIN THE EXISTING DELDOT RIGHT-OF-WAY. THE EXISTING DELDOT RIGHT-OF-WAY LINES ARE BEYOND THE LIMITS OF THIS CONSTRUCTION PLAN SHEET.
- THE CONTRACTOR SHALL COORDINATE REMOVAL OF THE EXISTING DOTTED PAVEMENT MARKING LINE ON RIGID PAVEMENT SECTION FOR THE I-495 LANE-REDUCTION BY CONTRACT T201407004 - CANTILEVER AND OVERHEAD SIGN STRUCTURES, OPEN-END, FY2016-FY2018. IN ADDITION, THE CONTRACTOR SHALL COORDINATE INSTALLATION OF THE NEW BROKEN PAVEMENT MARKING LINE OF THE SAME AREA BY THE OPEN-END SIGN STRUCTURE CONTRACT.
- THE CONTRACTOR SHALL COORDINATE REMOVAL OF THE EXISTING W9-1R (48" X 48") GROUND MOUNTED SIGN WITH W16-3P (30" X 24") PLAQUE BY CONTRACT T201407004 - CANTILEVER AND OVERHEAD SIGN STRUCTURES, OPEN-END, FY2016-FY2018.
- THE CONTRACTOR SHALL COORDINATE REMOVAL OF THE EXISTING SIGN OVERLAYS FROM OVERHEAD GUIDE SIGN PANELS B AND C ON STRUCTURE SO 1104 060 BY CONTRACT T201407004 - CANTILEVER AND OVERHEAD SIGN STRUCTURES, OPEN-END, FY2016-FY2018.



EXISTING GROUND MOUNTED SIGN, STRUCTURE, AND FOUNDATION TO BE REMOVED BY DELDOT FORCES PRIOR TO CONSTRUCTION OF THIS CONTRACT

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ADDENDUMS / REVISIONS	



CONTRACT	BRIDGE NO.	1-800
T201706101	DESIGNED BY:	JWV
COUNTY	CHECKED BY:	ZJS
NEW CASTLE		



Unofficial

**PERMANENT SIGN SCHEDULE**

#	SHEET NO.	CODE	QTY.	DESCRIPTION	ASSEMBLY NO.	SIGN WIDTH (IN)	SIGN HEIGHT (IN)	SIGN AREA (SF)	ITEM 749687 SINGLE POST (EACH)			ITEM 749690 MULTI POST (POST NEEDED)			POST INSTALLATION TYPE	Code X11 12' Post (W/ Basepost)	ITEM 749688 4" HOLE, 0-6" (EACH)	ITEM 749689 4" HOLE, >6" (EACH)	REMARKS
									SIGN DISPOSITION	REMOVE	INSTALL	SIGN DISPOSITION	REMOVE	INSTALL					
1108	SS-02	W9-2-DE_R(48)	1	LANE ENDS (Right Arrows) - 48x48	1	48"	48"	16				NEW							BAND TO OVERHEAD SIGN STRUCTURE
910	SS-03	W4-2_L(48)	1	LANE ENDS (Left) - 48x48	2	48"	48"	16				NEW		2	SOIL	2			
1818	SS-03	D10-1(12)	1	REFERENCE LOCATION (1-Digit) - 12x24	3	12"	24"		REMAIN										"0"
920	SS-04	W4-3_L(48)	1	ADDED LANE (Left) - 48x48	4	48"	48"	16				NEW		2	SOIL	2			
917	SS-04	W4-3_R(48)	1	ADDED LANE (Right) - 48x48	5	48"	48"	16				NEW		2	SOIL	2			
1105	SS-04	W9-2_R(48)	1	LANE ENDS MERGE RIGHT - 48x48	6	48"	48"	16				NEW							BAND TO OVERHEAD SIGN STRUCTURE
-	SS-04	SPECIAL	1	DELAWARE PARK	7A	30"	30"		REMAIN										
-	SS-04	SPECIAL	1	UP ARROW	7B	30"	12"		REMAIN										
1114	SS-05	W9-2-DE_L(48)	1	LANE ENDS (Left Arrows) - 48x48	8	48"	48"	16				REMOVE	2						
<b>JOB TOTALS</b>								<b>96.0</b>								<b>6</b>	<b>0</b>	<b>0</b>	

Web site  
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ADDENDUMS / REVISIONS

NOT TO SCALE

PAVEMENT AND REHABILITATION  
NORTH I, 2017

CONTRACT	BRIDGE NO.	<b>1-800</b>
T201706101	DESIGNED BY:	JWV
COUNTY	CHECKED BY:	ZJS
NEW CASTLE		

PERMANENT  
SIGN SCHEDULE

<b>SS-08</b>
SHEET NO.
33
TOTAL SHTS.
35

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PANEL DESIGNATION	SHEET NO.	QUANTITY	LEGEND	SIZE			COLOR		BORDER		REMARKS	
				AREA (SF)	WIDTH	HEIGHT	LEGEND	BCKGRND	WIDTH	RADIUS		ARROW
GM-1, E5-1	SS-03	1		30.0	6'-0"	5'-0"	W	G	1.5"	6"	UP ARROW (29.25"X18.25") @ 315°	SHEET ALUMINUM - [EXIT] E 2000.
GM-2, E5-1a	SS-05	1		57.5	11'-6"	5'-0"	W	G	1.5"	6"	UP ARROW (29.25"X18.25") @ 45°	SHEET ALUMINUM - [TO EXITS] E 2000 (FIXED LENGTH); [5 A-B] E 2000.

PANEL DESIGNATION	SHEET NO.	QUANTITY	LEGEND	SIZE			COLOR		BORDER		REMARKS
				AREA (SF)	WIDTH	HEIGHT	LEGEND	BCKGRND	WIDTH	RADIUS	

PANEL DESIGNATION: GM=GROUND MOUNT, OH=OVERHEAD, C=CANTILEVER  
 LEGEND & BACKGROUND COLORS: BLK=BLACK, BLU=BLUE, BRO=BROWN, G=GREEN, P=PURPLE, R=RED, W=WHITE/SILVER, FLY=FLUORESCENT YELLOW

SHEET TOTAL 87.5



ADDENDUMS / REVISIONS

NOT TO SCALE

PAVEMENT AND REHABILITATION  
NORTH I, 2017

CONTRACT	BRIDGE NO.	1-800
T201706101	DESIGNED BY:	JWV
COUNTY	CHECKED BY:	ZJS
NEW CASTLE		

GUIDE SIGN MESSAGES  
DETAILS AND DIMENSIONS

SS-09	
SHEET NO.	34
TOTAL SHTS.	35

