

INDEX OF SHEETS		
SECTION	SHEET DESCRIPTION	SHEET NO(S)
PD	TITLE	1
PD	INDEX OF SHEETS	2
PD	ADDENDA AND REVISIONS	3
PD	LEGEND	4
PD	NOTES	5
PD	TYPICAL SECTIONS	6
PD	HORIZONTAL AND VERTICAL CONTROL	7-8
PD	CONSTRUCTION PLANS	9-11
PD	CONSTRUCTION DETAILS	12-14
PD	CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLANS	15-22
PD	SIGNING, STRIPING AND CONDUIT PLANS	23-25

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ADDENDA / REVISIONS	NOT TO SCALE	SR 7 MEDIAN BARRIER REPLACEMENT	CONTRACT T201900702	BRIDGE NO. NA	INDEX OF SHEETS	SECTION PD
			COUNTY NEW CASTLE	DESIGNED BY: KSH		SHEET NO. 2
				CHECKED BY: TRB		

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ADDENDA / REVISIONS

NOT TO SCALE

**SR 7 MEDIAN
BARRIER REPLACEMENT**

CONTRACT	BRIDGE NO.	NA
T201900702	DESIGNED BY: KSH	
COUNTY	CHECKED BY: TRB	
NEW CASTLE		

**ADDENDA AND
REVISIONS**

SECTION
PD
SHEET NO.
3

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	
	ARTESIAN WATER
	DELMARVA POWER
	DELDOT

(X) REPRESENTS ASCE DEFINED SUE QUALITY LEVEL

PROPOSED SYMBOLS

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 - SUMP / ON GRADE
	CURB OPENING WITH SIDEWALK
	DRAINAGE INLET
	DITCH
	FENCE - METAL / FENCE - WOOD
	FLARED END / SAFETY 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
	RIGHT-TO-ENTER
	TEMPORARY CONSTRUCTION EASEMENT
	PROPOSED RIGHT-OF-WAY BASELINE

IDENTIFIERS	
	ADJUST BY CONTRACTOR
	ADJUST BY OTHERS
	CONCRETE SAFETY BARRIER
	CURB OR CURB & GUTTER
	CONVERT TO JUNCTION BOX
	CONVERT TO DRAINAGE MANHOLE
	CURB OPENING - SUMP / ON GRADE
	CURB OPENING WITH SIDEWALK
	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
	RELOCATE BY PROPERTY OWNER
	REMOVE BY CONTRACTOR
	REMOVE BY TRAFFIC CONTRACTOR
	REMOVE BY OTHERS
	SAFETY END SECTION
	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)	
	OVERLAY PAVEMENT - SEE TYPICAL SECTIONS FOR MATERIALS AND DEPTHS
	RECONSTRUCTED PAVEMENT - SEE TYPICAL SECTIONS FOR MATERIALS AND DEPTHS
	DRIVEWAY AND ENTRANCE PAVEMENT - SEE NOTES FOR MATERIALS AND DEPTHS

UTILITY COMPANY FACILITIES	

ADDENDA / REVISIONS

NOT TO SCALE

SR 7 MEDIAN
BARRIER REPLACEMENT

CONTRACT
T201900702
COUNTY
NEW CASTLE

BRIDGE NO.
NA
DESIGNED BY: KSH
CHECKED BY: TRB

LEGEND

SECTION
PD
SHEET NO.
4

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 2018, INCLUDING ALL REVISIONS UP TO THE DATE OF ADVERTISEMENT.
2. ELECTRONIC PROJECT FILES THAT WILL BE MADE AVAILABLE TO THE AWARDED CONTRACTOR, INCLUDE:

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

NOTE: THERE MAY BE SOME AREAS OF THE PROJECT NOT INCLUDED IN THE ELECTRONIC DESIGN DATA FILE(S). IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW THE DESIGN DATA FILE AND DETERMINE THE LIMITS OF THE PROJECT INCLUDED.

3. 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)

PROJECT NOTES

1. ITEMS TO BE REMOVED UNDER ITEM 211000 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
 - a. EXISTING PIPES RCP AND ACGCSP. (ASPHALT COATED GALVANIZED CORRUGATED STEEL PIPE)
 - b. EXISTING DRAINAGE INLETS.
 - c. EXISTING ATTENUATORS.
2. 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.
3. 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.
4. A. THE CONTRACTOR MAY ELECT TO USE ANY OF THE FOLLOWING MATERIALS TO MEET THE REQUIREMENTS OF ITEM 301001 - GRADED AGGREGATE BASE COURSE, TYPE 'B':
 - a. CRUSHED STONE (PER STANDARD SPECIFICATION 1005)
 - b. CRUSHED CONCRETE (PER STANDARD SPECIFICATION 1005)
 - c. HOT-MIX MILLINGS (PER SPECIAL PROVISION 301500 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 301001 - 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 DELDOT'S PROJECT ENGINEER SHALL AGREE ON THE LIMITS OF EACH SOURCE OF MATERIAL PRIOR TO PLACEMENT. HOT-MIX MILLINGS SHALL ONLY BE USED IN AREAS APPROVED BY THE ENGINEER LARGE ENOUGH TO ACCOMMODATE THE COMPACTION METHOD REQUIRED BY SPECIAL PROVISION 301500 UTILIZING A SHEEPSFOOT ROLLER (MINIMAL 50 TON STATIC ROLLER).

B. THE QUANTITY USED FOR BASE OF EACH OF THE ABOVE LISTED MATERIALS WILL BE THE CONTRACTOR'S CHOICE, WITH THE TOTAL MEETING THE ADVERTISED QUANTITY OF ITEM 301001 - 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 MILLING MATERIAL SHALL BECOME PROPERTY OF THE CONTRACTOR.

ADDENDA / REVISIONS

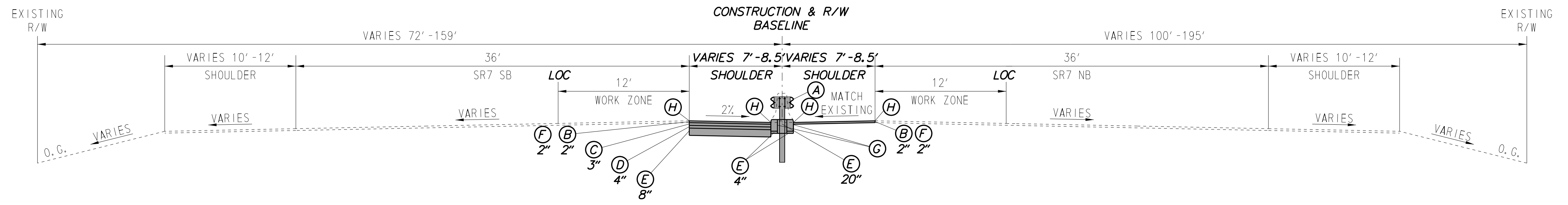
NOT TO SCALE

SR 7 MEDIAN
BARRIER REPLACEMENT

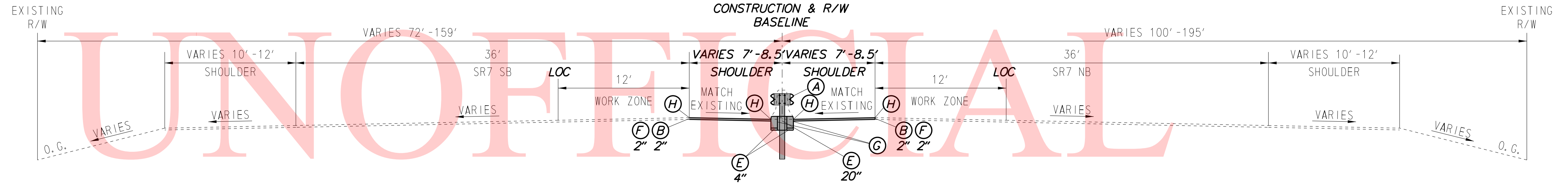
CONTRACT	BRIDGE NO.	N/A
T201900702	DESIGNED BY:	KSH
COUNTY	CHECKED BY:	TRB
NEW CASTLE		

NOTES

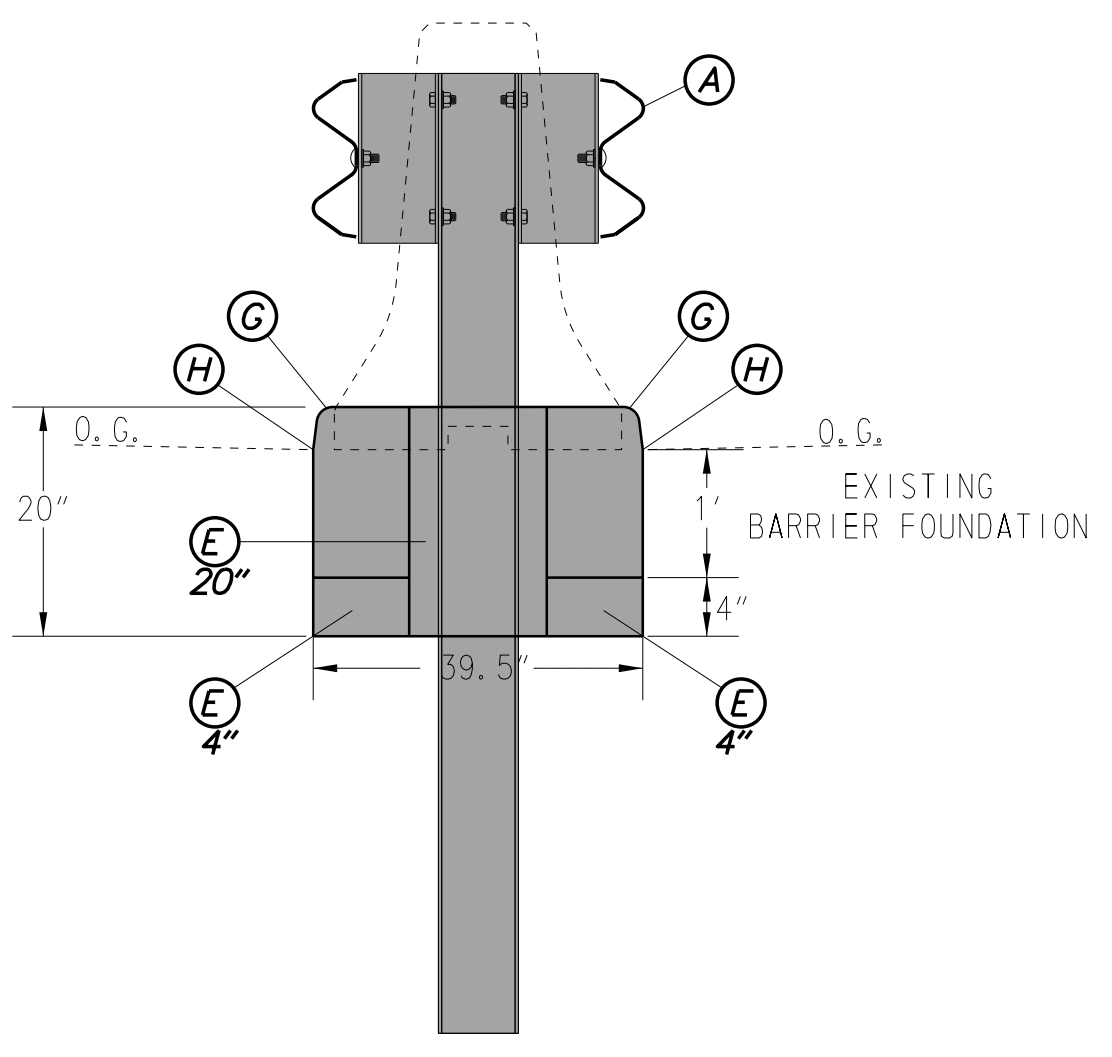
SECTION
PD
SHEET NO.
5



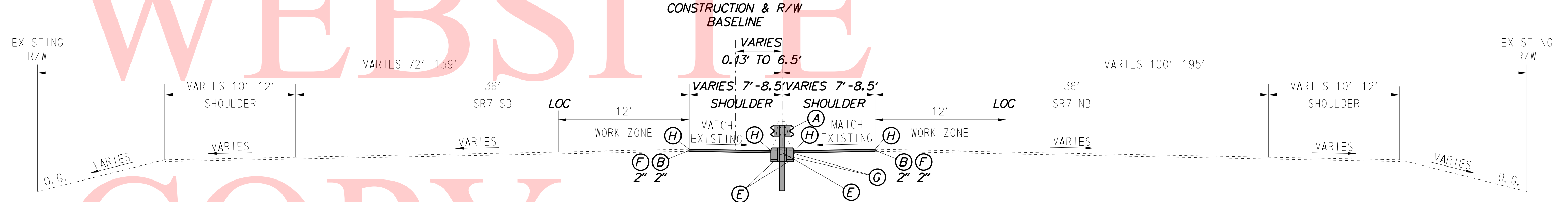
TYPICAL SECTION
52+98.95 TO 57+83.31



TYPICAL SECTION
63+51.35 TO 67+50.00



NOTE: FILL GABC TO TOP OF PROPOSED CURB



TYPICAL SECTION
71+99.21 TO 78+09.32

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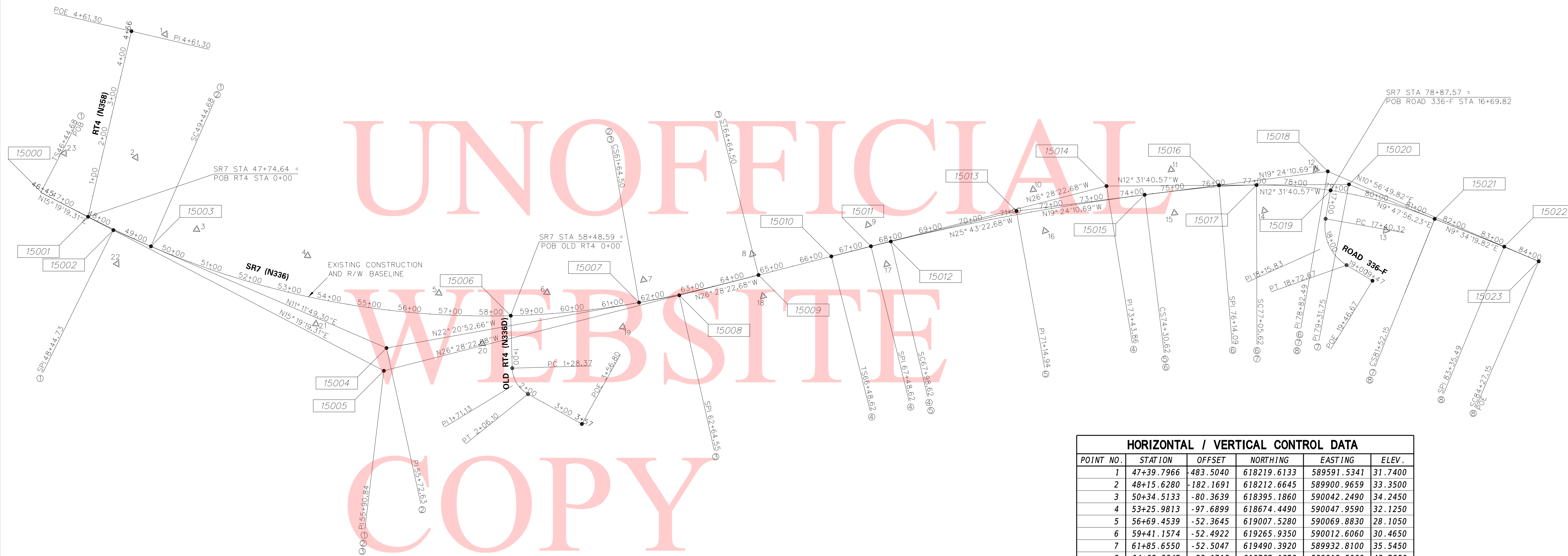
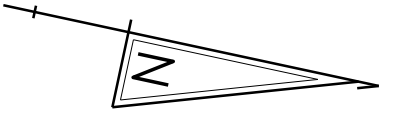
MATERIAL	LIFT THICKNESS	
	MINIMUM	MAXIMUM
BITUMINOUS CONCRETE, TYPE 'C'	1.25"	2"
BITUMINOUS CONCRETE, TYPE 'B'	2.25"	4"
BITUMINOUS CONCRETE BASE COURSE	3"	6"
GRADED AGGREGATE BASE COURSE	4"	8"

LEGEND	
(A)	ITEM 720023 - GALVANIZED STEEL BEAM GUARDRAIL, TYPE 3-31
(B)	ITEM 401005 - SUPERPAVE TYPE C PG 64-22 (CARBONATE STONE)
(C)	ITEM 401014 - SUPERPAVE TYPE B, PG 64-22
(D)	ITEM 401021 - SUPERPAVE TYPE BCBC, PG 64-22
(E)	ITEM 301001 - GRADED AGGREGATE BASE COURSE, TYPE B
(F)	ITEM 760010 - PAVEMENT-MILLING, HOT MIX
(G)	ITEM 701011 - P.C.C CURB, TYPE 1-4
(H)	ITEM 762000 - SAW CUTTING, BITUMINOUS CONCRETE

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ADDENDA / REVISIONS	NOT TO SCALE	SR 7 MEDIAN BARRIER REPLACEMENT	CONTRACT	BRIDGE NO.	NA	TYPICAL SECTIONS	SECTION
			T201900702	DESIGNED BY: KSH			PD
			COUNTY	CHECKED BY: TRB			SHEET NO.
			NEW CASTLE				6

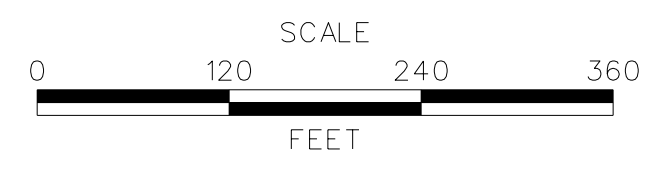
CONSTRUCTION ALIGNMENT CONTROL				
POINT NO.	STATION	OFFSET	NORTHING	EASTING
15001	47+74.64	0.0000	618128.9242	590067.6280
15005	55+90.84	0.0000	618915.7271	590283.8920
15006	58+48.59	0.0000	619191.1500	590086.8649
15014	73+43.86	0.0000	620550.0608	589470.1007
15018	78+82.49	0.0000	621071.7682	589321.2683
15019	78+87.57	0.0000	621088.2664	589365.2743



HORIZONTAL / VERTICAL CONTROL DATA					
POINT NO.	STATION	OFFSET	NORTHING	EASTING	ELEV.
1	47+39.7966	-483.5040	618219.6133	589591.5341	31.7400
2	48+15.6280	-182.1691	618212.6645	589900.9659	33.3500
3	50+34.5133	-80.3639	618395.1860	590042.2490	34.2450
4	53+25.9813	-97.6899	618674.4490	590047.9590	32.1250
5	56+69.4539	-52.3645	619007.5280	590069.8830	28.1050
6	59+41.1574	-52.4922	619265.9350	590012.6060	30.4650
7	61+85.6550	-52.5047	619490.3920	589932.8100	35.5450
8	64+62.2347	-53.1715	619737.1870	589815.5060	43.7350
9	67+54.2044	-52.7146	619999.1440	589685.8200	50.5650
10	71+63.7856	-53.1563	620376.1140	589516.5790	50.6150
11	75+02.2344	-53.0276	620696.0150	589397.6010	43.8200
12	78+45.3278	-45.7138	621041.7450	589323.0780	39.5150
13	80+45.3767	66.0207	621240.8120	589432.5120	32.6750
14	77+25.2889	62.6334	620940.0420	589447.7690	35.6500
15	74+97.6465	53.3651	620726.2540	589499.7090	41.2600
16	71+75.1429	51.1411	620425.7400	589609.0140	48.7200
17	67+75.3313	51.8055	620063.9810	589770.4770	49.4650
18	64+62.5955	53.0668	619784.8680	589910.4440	43.6550
19	61+15.7673	52.4837	619464.8350	590056.3100	37.2000
20	57+79.6017	67.4530	619137.6090	590168.0810	32.7700
21	53+80.9031	61.2617	618729.0110	590206.8550	33.1050
22	48+87.0690	72.8350	618222.2330	590165.2990	37.5950
23	46+51.3124	-111.5767	618039.3090	589927.9930	36.4250

DATUM REFERENCE:
 HORIZONTAL - THIS PROJECT IS REFERENCED TO THE DELAWARE STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM OF 1983 (NAD 83).
 VERTICAL - THIS PROJECT IS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

ADDENDA / REVISIONS



**SR 7 MEDIAN
BARRIER REPLACEMENT**

CONTRACT	BRIDGE NO.	1-264
T201900702	DESIGNED BY:	KSH
COUNTY	CHECKED BY:	TRB
NEW CASTLE		

**HORIZONTAL AND
VERTICAL CONTROL**

SECTION
PD
SHEET NO.
7

13-FEB-2019 09:54 Y:\NE\CASTL\336\Road\T201900702\Plans\HV.dgn

SPIRAL CURVE NO. ①			
	STATION	NORTHING	EASTING
Element: Clothoid			
TS (15000)	46+44.68	618003.4326	590033.8523
SPI (15002)	48+44.73	618196.3763	590086.7155
SC (15003)	49+44.68	618294.5211	590106.1434
Entrance Radius:	0.0000		
Exit Radius:	2083.4800		
Length:	300.0000		
Angle:	4° 07' 30.02" Left		
Constant:	790.5972		
Long Tangent:	200.0544		
Short Tangent:	100.0493		
Long Chord:	299.9309		
Xs:	299.8445		
Ys:	7.1968		
P:	1.7995		
K:	149.9741		
Tangent Direction:	N 15° 19' 19.31" E		
Radial Direction:	S 74° 40' 40.69" E		
Chord Direction:	N 13° 56' 49.53" E		
Radial Direction:	S 78° 48' 10.71" E		
Tangent Direction:	N 11° 11' 49.29" E		

CIRCULAR CURVE NO. ②			
	STATION	NORTHING	EASTING
Element: Circular			
SC (15003)	49+44.68	618294.5211	590106.1434
PI (15004)	55+72.63	618910.5168	590228.0806
CC ()		618699.0985	588062.3219
CS (15007)	61+64.50	619491.3011	589989.3154
Radius:	2083.4800		
Delta:	33° 32' 41.96" Left		
Degree of Curvature(Arc):	2° 45' 00.01"		
Length:	1219.8161		
Tangent:	627.9485		
Chord:	1202.4688		
Middle Ordinate:	88.6351		
External:	92.5734		
Tangent Direction:	N 11° 11' 49.30" E		
Radial Direction:	S 78° 48' 10.70" E		
Chord Direction:	N 5° 34' 31.68" W		
Radial Direction:	N 67° 39' 07.34" E		
Tangent Direction:	N 22° 20' 52.66" W		

SPIRAL CURVE NO. ③			
	STATION	NORTHING	EASTING
Element: Clothoid			
CS (15007)	61+64.50	619491.3011	589989.3154
SPI (15008)	62+64.55	619583.8359	589951.2736
ST (15009)	64+64.50	619762.9136	589862.0943
Entrance Radius:	2083.4800		
Exit Radius:	0.0000		
Length:	300.0000		
Angle:	4° 07' 30.02" Left		
Constant:	790.5972		
Long Tangent:	200.0544		
Short Tangent:	100.0493		
Long Chord:	299.9309		
Xs:	299.8445		
Ys:	7.1968		
P:	1.7995		
K:	149.9741		
Tangent Direction:	N 22° 20' 52.66" W		
Radial Direction:	N 67° 39' 07.34" E		
Chord Direction:	N 25° 05' 52.89" W		
Radial Direction:	N 63° 31' 37.32" E		
Tangent Direction:	N 26° 28' 22.68" W		

SPIRAL CURVE NO. ④			
	STATION	NORTHING	EASTING
Element: Clothoid			
CS (15010)	61+64.50	619491.3011	589989.3154
SPI (15011)	62+64.55	619583.8359	589951.2736
ST (15012)	64+64.50	619762.9136	589862.0943
Entrance Radius:	2083.4800		
Exit Radius:	0.0000		
Length:	300.0000		
Angle:	4° 07' 30.02" Left		
Constant:	790.5972		
Long Tangent:	200.0544		
Short Tangent:	100.0493		
Long Chord:	299.9309		
Xs:	299.8445		
Ys:	7.1968		
P:	1.7995		
K:	149.9741		
Tangent Direction:	N 22° 20' 52.66" W		
Radial Direction:	N 67° 39' 07.34" E		
Chord Direction:	N 25° 05' 52.89" W		
Radial Direction:	N 63° 31' 37.32" E		
Tangent Direction:	N 26° 28' 22.68" W		

CIRCULAR CURVE NO. ⑤			
	STATION	NORTHING	EASTING
Element: Circular			
SC (15012)	67+98.62	620062.2804	589713.7430
PI (15013)	71+14.94	620347.2548	589576.4533
CC ()		622549.0341	594875.5394
CS (15015)	74+30.62	620645.6102	589471.3684
Radius:	5729.5800		
Delta:	6° 19' 11.99" Right		
Degree of Curvature(Arc):	1° 00' 00.00"		
Length:	632.0000		
Tangent:	316.3208		
Chord:	631.6796		
Middle Ordinate:	8.7119		
External:	8.7251		
Tangent Direction:	N 25° 43' 22.68" W		
Radial Direction:	N 64° 16' 37.32" E		
Chord Direction:	N 22° 33' 46.69" W		
Radial Direction:	N 70° 35' 49.31" E		
Tangent Direction:	N 19° 24' 10.69" W		

SPIRAL CURVE NO. ⑥			
	STATION	NORTHING	EASTING
Element: Clothoid			
CS (15015)	74+30.62	620645.6102	589471.3684
SPI (15016)	76+14.09	620818.6614	589410.4160
SC (15017)	77+05.62	620908.2684	589390.5048
Entrance Radius:	0.0000		
Exit Radius:	1145.9100		
Length:	275.0000		
Angle:	6° 52' 30.12" Right		
Constant:	561.3602		
Long Tangent:	183.4718		
Short Tangent:	91.7926		
Long Chord:	274.8241		
Xs:	274.6043		
Ys:	10.9880		
P:	2.7484		
K:	137.4340		
Tangent Direction:	N 19° 24' 10.69" W		
Radial Direction:	N 70° 35' 49.31" E		
Chord Direction:	N 17° 06' 41.66" W		
Radial Direction:	N 77° 28' 19.43" E		
Tangent Direction:	N 12° 31' 40.57" W		

CIRCULAR CURVE NO. ⑦			
	STATION	NORTHING	EASTING
Element: Circular			
SC (15017)	77+05.62	620908.2684	589390.5048
PI (15020)	79+31.75	621129.0208	589341.4522
CC ()		621156.8342	590509.1311
CS (15021)	81+52.15	621351.8583	589379.9387
Radius:	1145.9100		
Delta:	22° 19' 36.80" Right		
Degree of Curvature(Arc):	5° 00' 00.09"		
Length:	446.5356		
Tangent:	226.1366		
Chord:	443.7157		
Middle Ordinate:	21.6819		
External:	22.1001		
Tangent Direction:	N 12° 31' 40.57" W		
Radial Direction:	N 77° 28' 19.43" E		
Chord Direction:	N 1° 21' 52.17" W		
Radial Direction:	S 80° 12' 03.77" E		
Tangent Direction:	N 9° 47' 56.23" E		

SPIRAL CURVE NO. ⑧			
	STATION	NORTHING	EASTING
Element: Clothoid			
CS (15021)	81+52.15	621351.8583	589379.9387
SPI (15022)	83+35.49	621532.6150	589410.4069
SC (15023)	84+27.15	621622.6185	589427.8157
Entrance Radius:	0.0000		
Exit Radius:	5729.5800		
Length:	275.0000		
Angle:	1° 22' 30.00" Right		
Constant:	1255.2428		
Long Tangent:	183.3389		
Short Tangent:	91.6717		
Long Chord:	274.9930		
Xs:	274.9842		
Ys:	2.1998		
P:	0.5499		
K:	137.4974		
Tangent Direction:	N 9° 34' 19.82" E		
Radial Direction:	S 80° 25' 40.18" E		
Chord Direction:	N 10° 01' 49.81" E		
Radial Direction:	S 79° 03' 10.18" E		
Tangent Direction:	N 10° 56' 49.82" E		

ADDENDA / REVISIONS



SR 7 MEDIAN BARRIER REPLACEMENT

CONTRACT	BRIDGE NO.	N/A
T201900702	DESIGNED BY:	KSH
COUNTY	CHECKED BY:	TRB
NEW CASTLE		

HORIZONTAL AND VERTICAL CONTROL

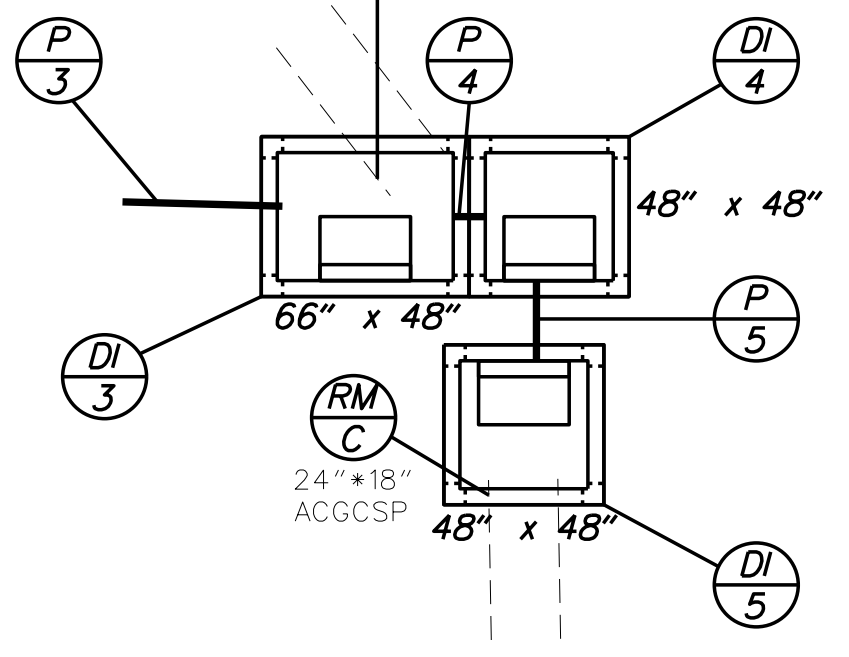
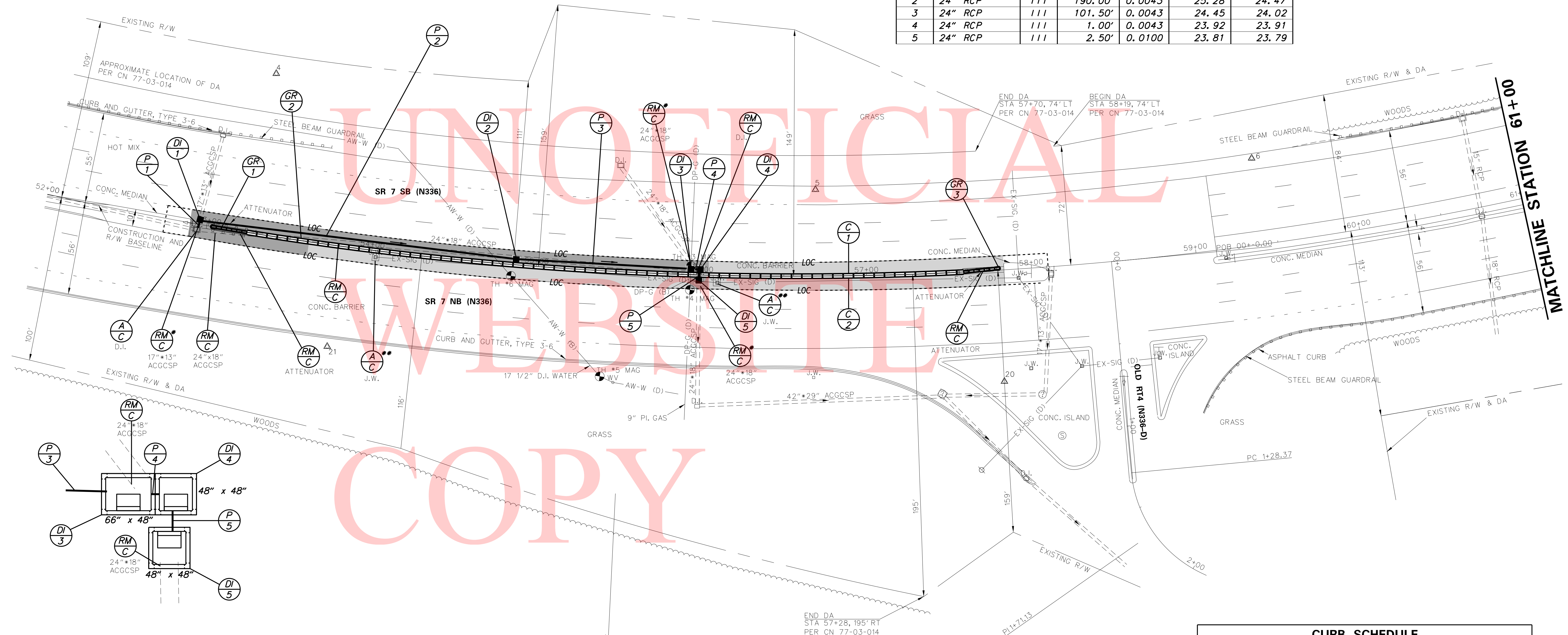
SECTION
PD
SHEET NO.
8

GUARDRAIL SCHEDULE				
NO.	ITEM DESCRIPTION / TYPE	BEGIN STA.	OFFSET	LENGTH
1	PERMANENT IMPACT ATTENUATOR, TYPE 5	53+01.23	0.00	23.00'
2	W-BEAM GUARDRAIL, TYPE 3-31	53+23.66	0.00	436.00'
3	PERMANENT IMPACT ATTENUATOR, TYPE 5	57+58.85	0.00	23.00'

DRAINAGE INLET SCHEDULE							
NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	EX T.G. EL.	INV. EL.
1	52+94.36	2.90' LT	48" x 30"	1	*** 31.0	N/A	25.28
2	54+87.56	*	48" x 48"	1	**	*** 29.6	24.45
3	55+93.65	*	66" x 48"	1	**	*** 29.5	23.92
4	55+99.41	*	48" x 48"	1	**	*** 29.5	23.81
5	55+98.61	*	48" x 48"	1	**	*** 29.5	23.74

* MATCH PROPOSED CURBLINE
 ** MATCH FLOWLINE OF PROPOSED CURB
 *** ELEVATIONS ARE APPROXIMATE. THE CONTRACTOR IS TO ESTABLISH FINAL TOP OF GRATE ELEVATIONS AT THE TIME OF FINAL ADJUSTMENT IN COORDINATION WITH THE FIELD ENGINEER FOR THE PROPOSED INLETS.

DRAINAGE PIPE SCHEDULE						
NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INT. EL.	DIS. EL.
1	18" RCP	111	3.00'	0.0043	25.37	25.36
2	24" RCP	111	190.00'	0.0043	25.28	24.47
3	24" RCP	111	101.50'	0.0043	24.45	24.02
4	24" RCP	111	1.00'	0.0043	23.92	23.91
5	24" RCP	111	2.50'	0.0100	23.81	23.79

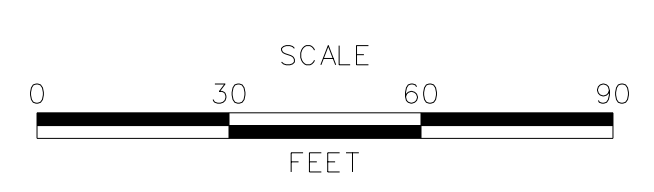


GENERAL NOTES:
 EXISTING RIGHT-OF-WAY IS SHOWN FOR INFORMATIONAL PURPOSE ONLY. RIGHT-OF-WAY AS SHOWN IS BASED ON CONTRACT CN 77-03-014.
 ALL UTILITIES SHOWN ON PLANS ARE APPROXIMATE LOCATIONS.
 * REMOVE PORTION OF PIPE TO FIT INTO PROPOSED INLET.
 ** FILL ABANDONED JUNCTION WELLS WITH ITEM 208000 - FLOWABLE FILL.

CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
1	P.C.C CURB TYPE, 1-4	436.00'
2	P.C.C CURB TYPE, 1-4	436.00'

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ADDENDA / REVISIONS



SR 7 MEDIAN BARRIER REPLACEMENT

CONTRACT	T201900702	BRIDGE NO.	N/A
COUNTY	NEW CASTLE	DESIGNED BY:	KSH
		CHECKED BY:	TRB

CONSTRUCTION PLAN

CP-01
SECTION
PD
SHEET NO.
9

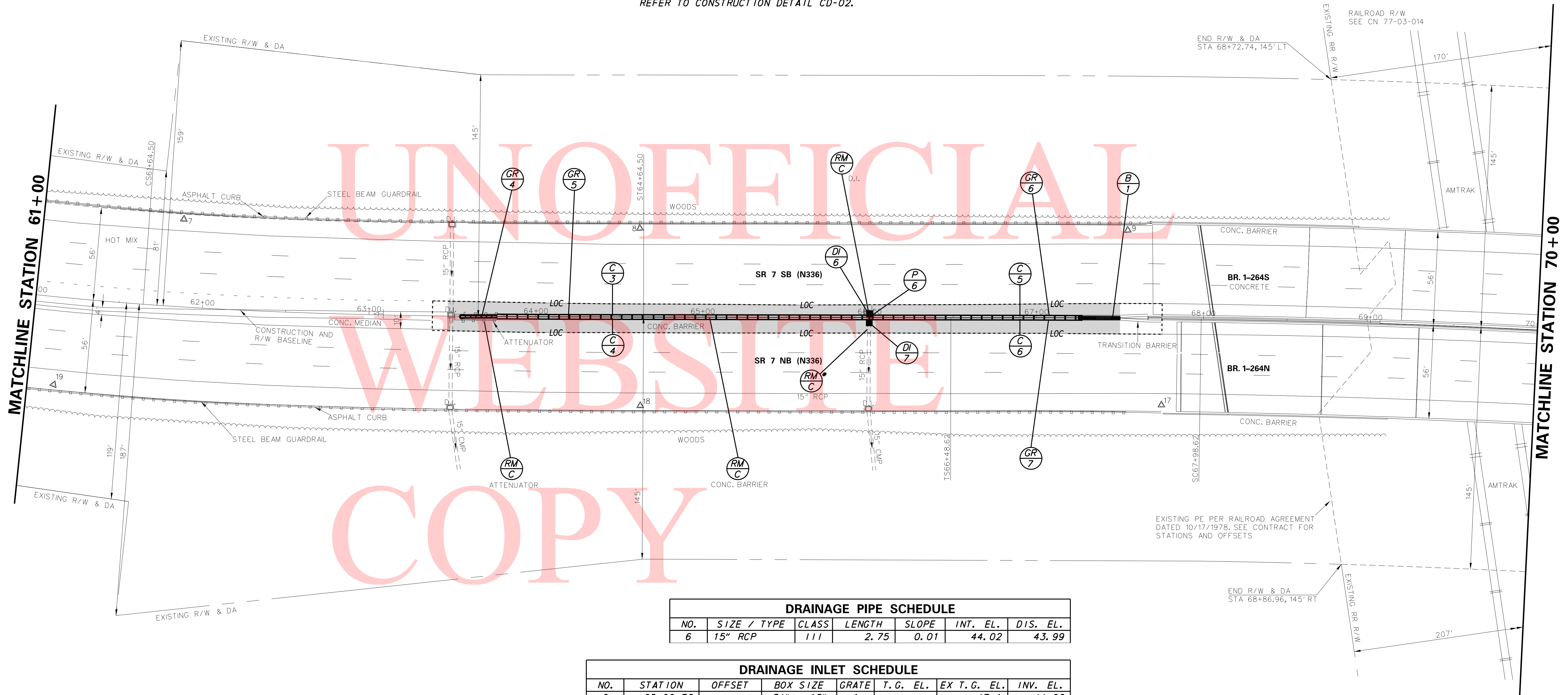
GUARDRAIL SCHEDULE				
NO.	ITEM DESCRIPTION / TYPE	BEGIN STA.	OFFSET	LENGTH
4	PERMANENT IMPACT ATTENUATOR, TYPE 5	63+53.63	0.00	23.00'
5	W-BEAM GUARDRAIL, TYPE 3-31	63+76.63	0.00	323.50'
6	MODIFIED GUARDRAIL TO BARRIER CONNECTION, APPROACH TYPE 2-31	67+00.00	0.00	27.50'
7	MODIFIED GUARDRAIL TO BARRIER CONNECTION, APPROACH TYPE 2-31	67+00.00	0.00	27.50'

CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
3	P. C. C CURB TYPE, 1-4	313.50
4	P. C. C CURB TYPE, 1-4	313.50
5	P. C. C CURB TYPE, 1-4 DEPRESSED	10.00'
6	P. C. C CURB TYPE, 1-4 DEPRESSED	10.00'

* SEE DETAIL FOR DEPRESSED CURB TRANSITION

BARRIER SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
1	TRANSITION MEDIAN BARRIER	25.00'

* PAY FOR TRANSITION MEDIAN BARRIER UNDER ITEM 723002. REFER TO CONSTRUCTION DETAIL CD-02.



DRAINAGE PIPE SCHEDULE						
NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INT. EL.	DIS. EL.
6	15" RCP	111	2.75	0.01	44.02	43.99

DRAINAGE INLET SCHEDULE							
NO.	STATION	OFFSET	BOX SIZE	GRATE	T.G. EL.	EX T.G. EL.	INV. EL.
6	65+99.72	*	34" x 18"	1	**	*** 47.1	44.02
7	65+99.72	*	48" x 48"	1	**	*** 47.2	43.98

* MATCH PROPOSED CURBLINE

** MATCH FLOWLINE OF PROPOSED CURB

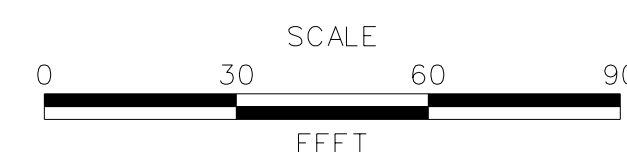
*** ELEVATIONS ARE APPROXIMATE. THE CONTRACTOR IS TO ESTABLISH FINAL TOP OF GRATE ELEVATIONS AT THE TIME OF FINAL ADJUSTMENT IN COORDINATION WITH THE FIELD ENGINEER FOR THE PROPOSED INLETS.

GENERAL NOTES:

EXISTING RIGHT-OF-WAY IS SHOWN FOR INFORMATIONAL PURPOSE ONLY. RIGHT-OF-WAY AS SHOWN IS BASED ON CONTRACT CN 77-03-014.

* REMOVE PORTION OF PIPE TO FIT INTO PROPOSED INLET.

ADDENDA / REVISIONS



SR 7 MEDIAN BARRIER REPLACEMENT

CONTRACT	BRIDGE NO.	1-264
T201900702	DESIGNED BY:	KSH
COUNTY	CHECKED BY:	TRB
NEW CASTLE		

CONSTRUCTION PLAN

CP-02

SECTION
PD
SHEET NO.
10

GUARDRAIL SCHEDULE				
NO.	ITEM DESCRIPTION / TYPE	BEGIN STA.	OFFSET	LENGTH
8	MODIFIED GUARDRAIL TO BARRIER CONNECTION, APPROACH TYPE 2-31	72+21.70	VARIABLES	27.50'
9	MODIFIED GUARDRAIL TO BARRIER CONNECTION, APPROACH TYPE 2-31	72+21.70	VARIABLES	27.50'
10	W-BEAM GUARDRAIL, TYPE 3-31	72+49.20	VARIABLES	536.00'
11	PERMANENT IMPACT ATTENUATOR, TYPE 5	77+85.10	6.27'	23.00'

GUARDRAIL CONTROL	
STATION	OFFSET
72+21.70	-0.30'
72+49.20	-0.27'
73+00.00	-0.26'
74+00.00	-0.21'
75+00.00	0.13'
75+50.00	0.93'
76+00.00	1.92'
76+50.00	2.95'
77+00.00	4.20'
77+50.00	5.49'
77+85.10	6.27'

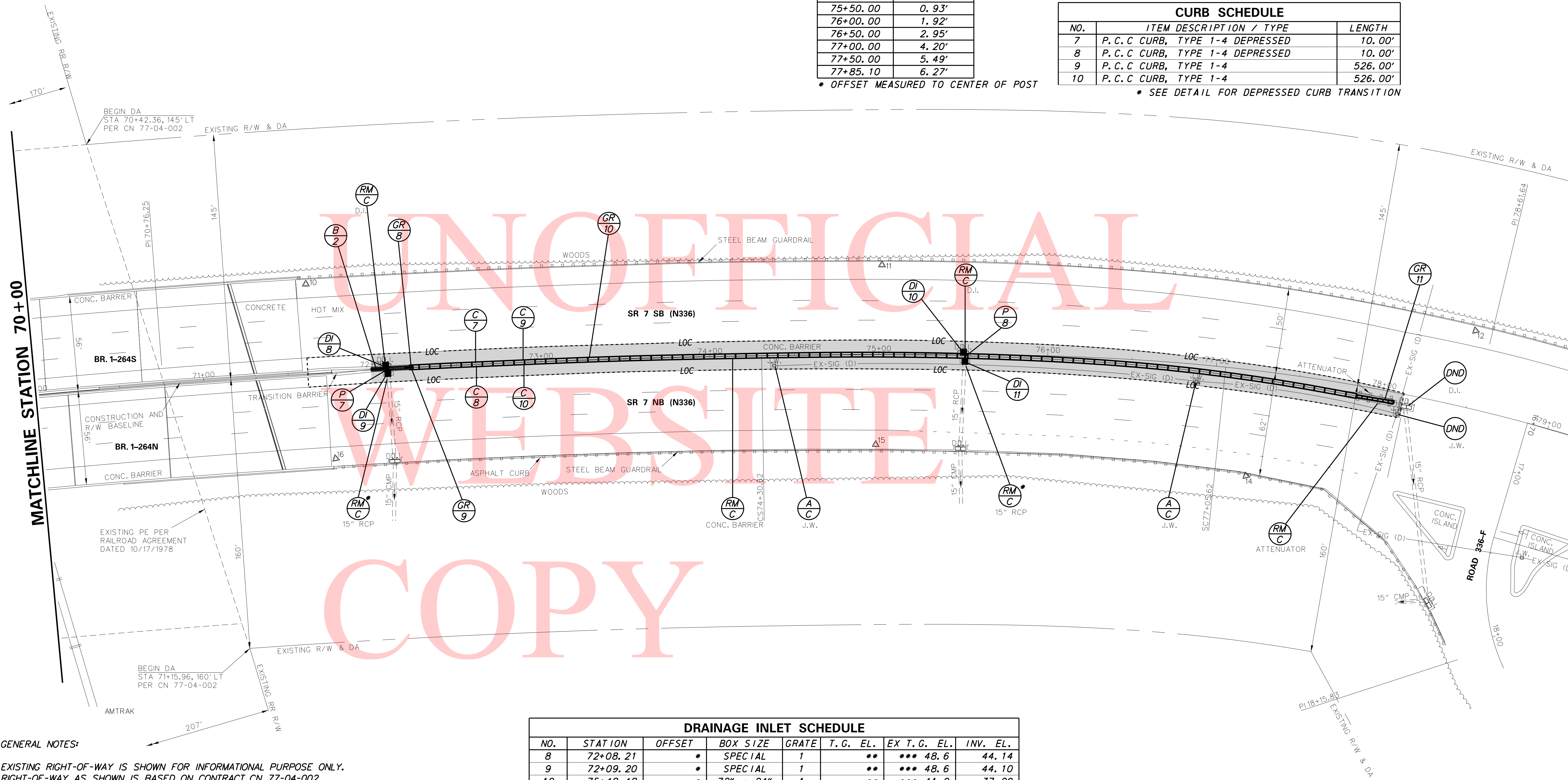
* OFFSET MEASURED TO CENTER OF POST

BARRIER SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
2	TRANSITION MEDIAN BARRIER	25.00'

* PAY FOR TRANSITION MEDIAN BARRIER UNDER ITEM 723002. REFER TO CONSTRUCTION DETAIL CD-03.

CURB SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
7	P. C. C CURB, TYPE 1-4 DEPRESSED	10.00'
8	P. C. C CURB, TYPE 1-4 DEPRESSED	10.00'
9	P. C. C CURB, TYPE 1-4	526.00'
10	P. C. C CURB, TYPE 1-4	526.00'

* SEE DETAIL FOR DEPRESSED CURB TRANSITION



DRAINAGE INLET SCHEDULE							
NO.	STATION	OFFSET	BOX SIZE	GRATE	T. G. EL.	EX T. G. EL.	INV. EL.
8	72+08.21	*	SPECIAL	1	**	*** 48.6	44.14
9	72+09.20	*	SPECIAL	1	**	*** 48.6	44.10
10	75+48.48	*	72" x 24"	1	**	*** 41.0	37.29
11	75+51.02	*	48" x 48"	1	**	*** 40.9	37.24

DRAINAGE PIPE SCHEDULE						
NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INT. EL.	DIS. EL.
7	15" RCP	111	2.00'	0.01	44.14	44.12
8	15" RCP	111	2.50'	0.01	37.29	37.26

GENERAL NOTES:

EXISTING RIGHT-OF-WAY IS SHOWN FOR INFORMATIONAL PURPOSE ONLY. RIGHT-OF-WAY AS SHOWN IS BASED ON CONTRACT CN 77-04-002.

* REMOVE PORTION OF PIPE TO FIT INTO PROPOSED INLET.

ALL UTILITIES SHOWN ON PLANS ARE APPROXIMATE LOCATIONS.

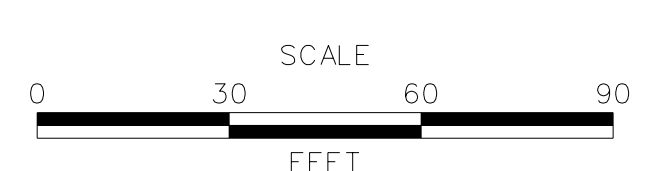
THE CONTRACTOR MUST CONTACT THE TMC BEFORE THE CONSTRUCTION OF THE DRAINAGE INLETS SHOULD THE EX-SIG CONDUIT BE DISCONNECTED AND RELOCATED.

STATION FOR 72" X 24" INLETS ARE MEASURED TO CENTER OF STRUCTURE.

** MATCH FLOWLINE OF PROPOSED CURB

*** ELEVATIONS ARE APPROXIMATE. THE CONTRACTOR IS TO ESTABLISH FINAL TOP OF GRATE ELEVATIONS AT THE TIME OF FINAL ADJUSTMENT IN COORDINATION WITH THE FIELD ENGINEER FOR THE PROPOSED INLETS. REFER TO DETAIL FOR SPECIAL INLETS

ADDENDA / REVISIONS



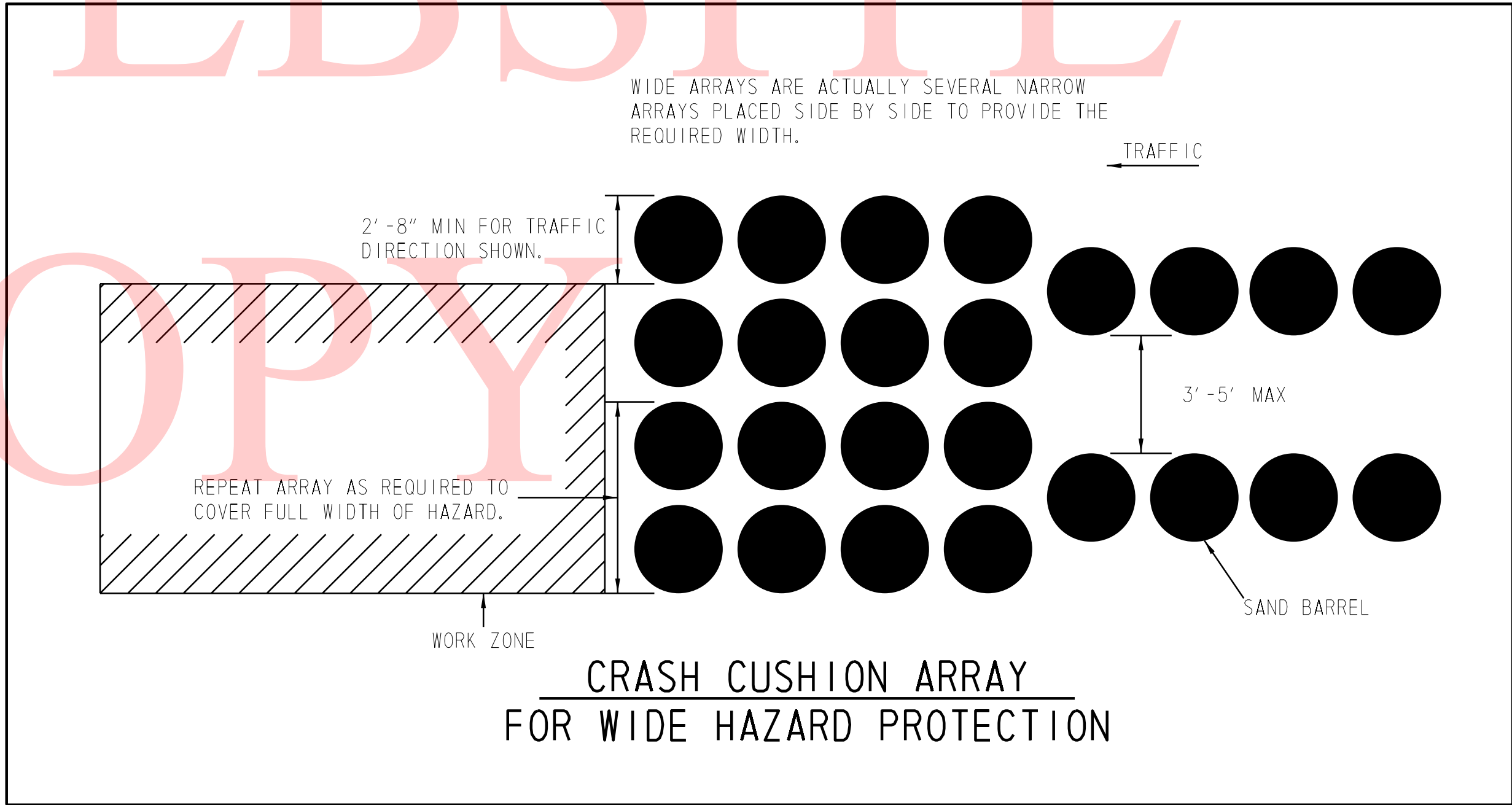
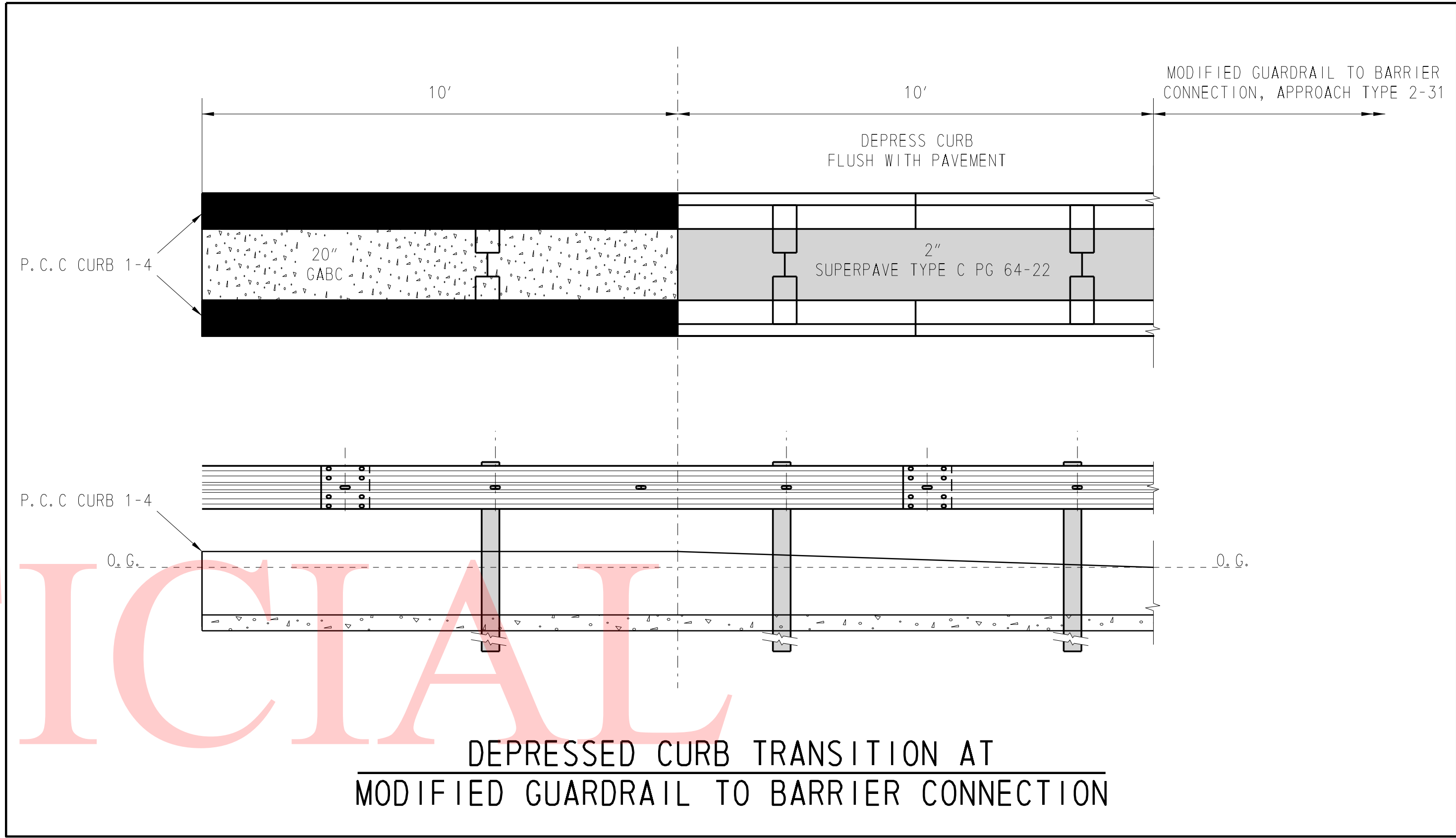
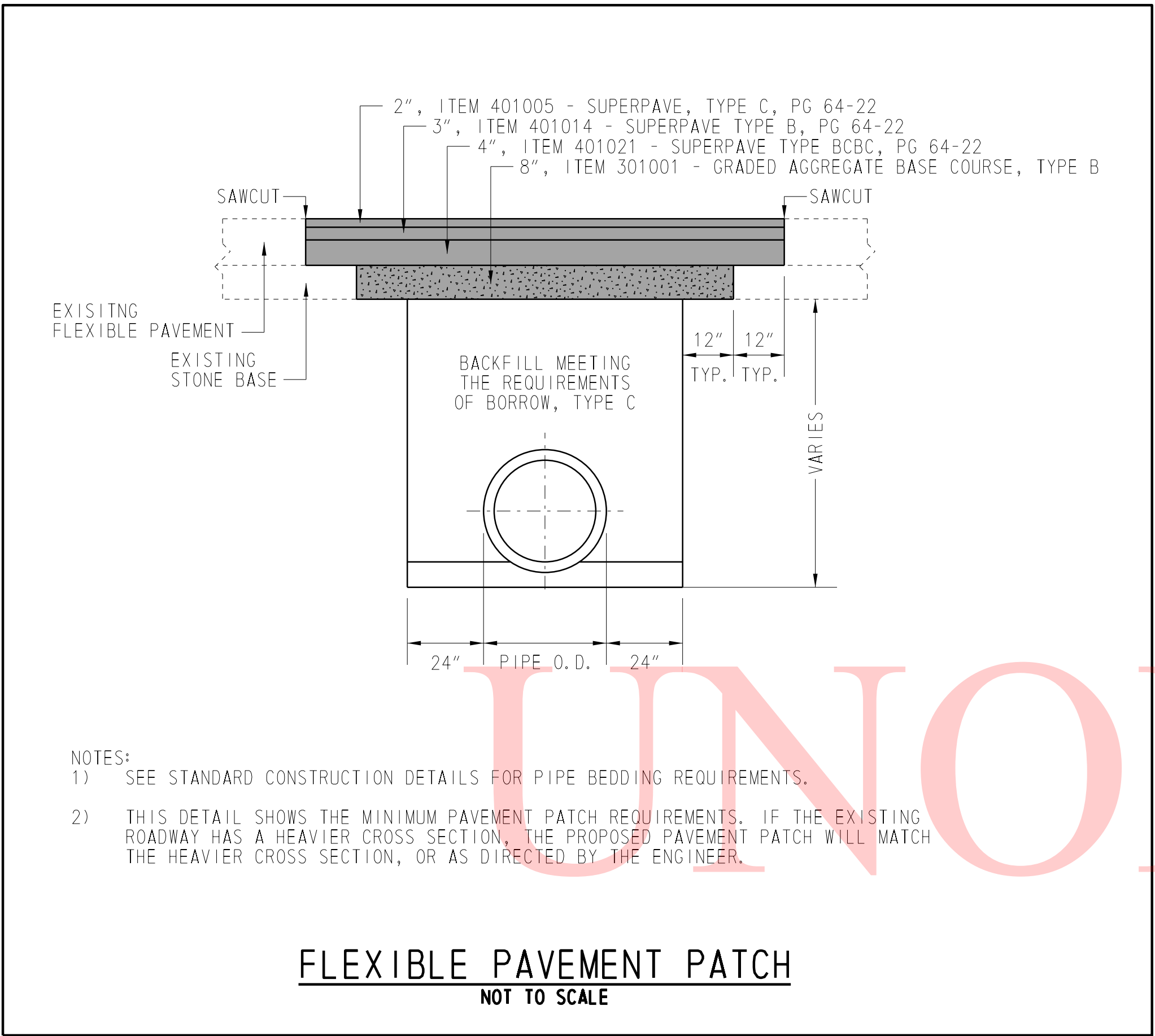
SR 7 MEDIAN BARRIER REPLACEMENT

CONTRACT	T201900702	BRIDGE NO.	1-264
COUNTY	NEW CASTLE	DESIGNED BY:	KSH
		CHECKED BY:	TRB

CONSTRUCTION PLAN

CP-03
SECTION
PD
SHEET NO.
11

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ADDENDA / REVISIONS

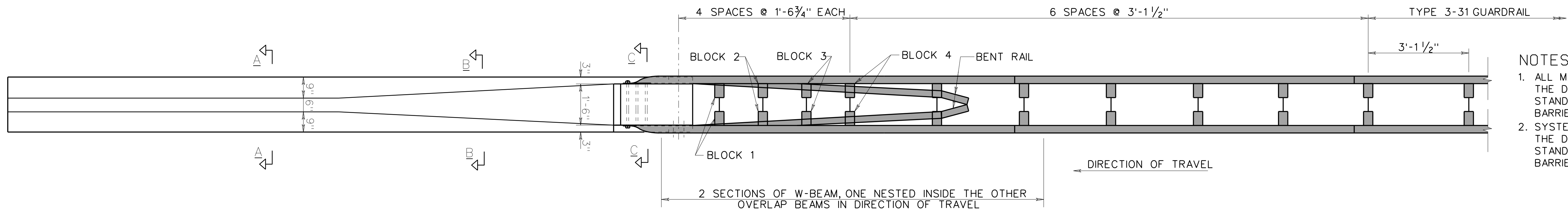
NOT TO SCALE

SR 7 MEDIAN BARRIER REPLACEMENT

CONTRACT	BRIDGE NO.	N/A
T201900702	DESIGNED BY:	KSH
COUNTY	CHECKED BY:	TRB
NEW CASTLE		

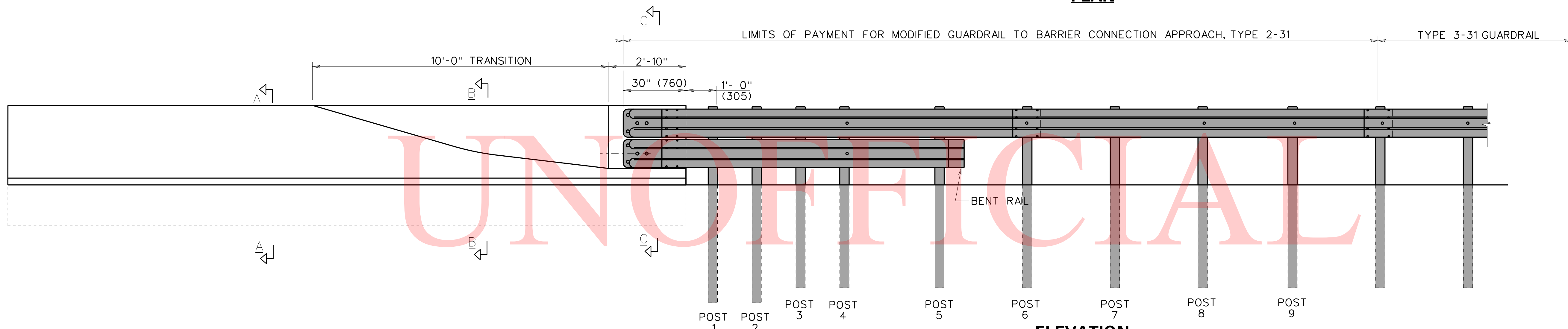
CONSTRUCTION DETAILS

CD-01
SECTION
PD
SHEET NO.
12



- NOTES:**
1. ALL MATERIALS SHALL BE IN ACCORDANCE WITH THE DELAWARE DEPARTMENT OF TRANSPORTATION'S STANDARD CONSTRUCTION DETAIL, GUARDRAIL TO BARRIER CONNECTION, APPROACH, TYPE 2-31.
 2. SYSTEM SHALL BE DESIGNED IN ACCORDANCE WITH THE DELAWARE DEPARTMENT OF TRANSPORTATION'S STANDARD CONSTRUCTION DETAIL, GUARDRAIL TO BARRIER CONNECTION, APPROACH, TYPE 2-31.

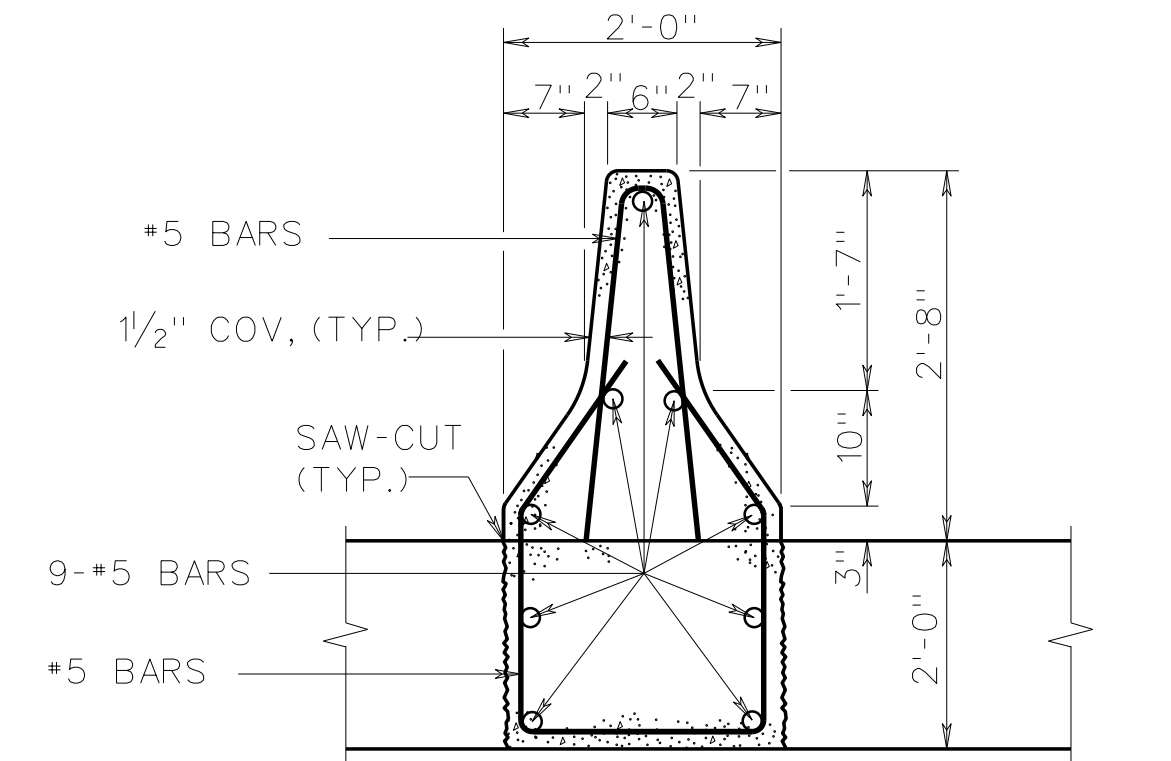
PLAN



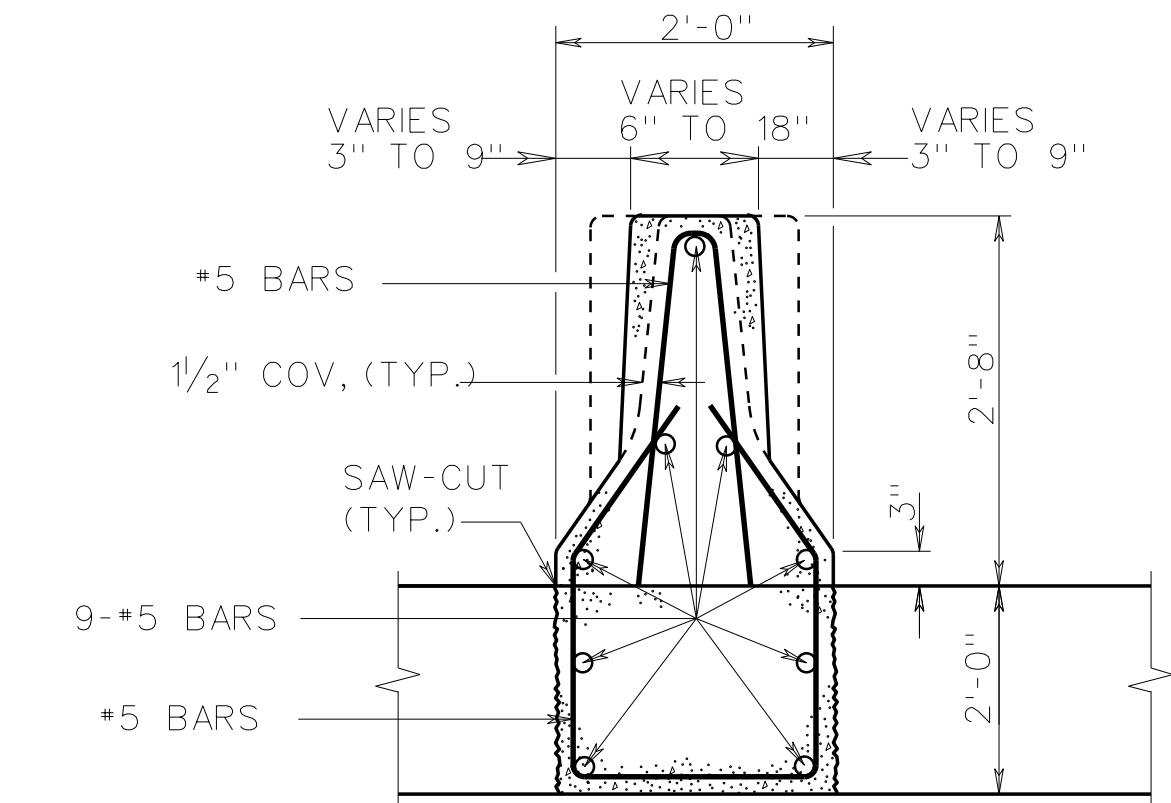
ELEVATION

UNOFFICIAL
WEBSITE
COPY

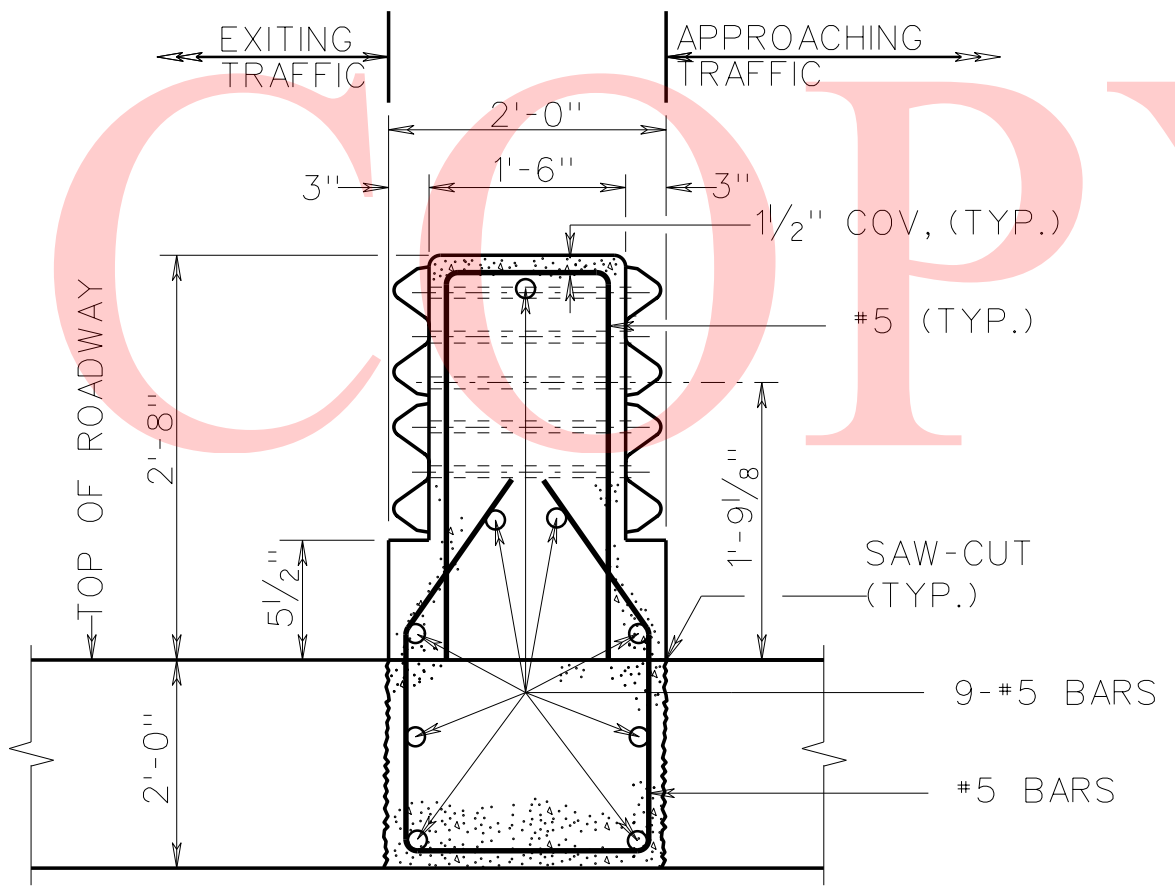
MODIFIED GUARDRAIL TO BARRIER CONNECTION, APPROACH TYPE 2-31



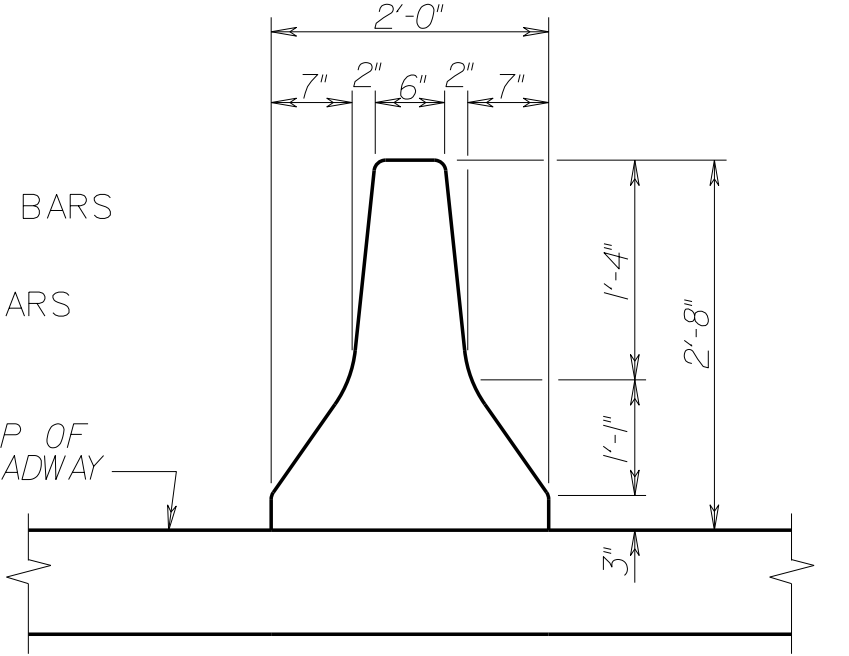
SECTION: A-A



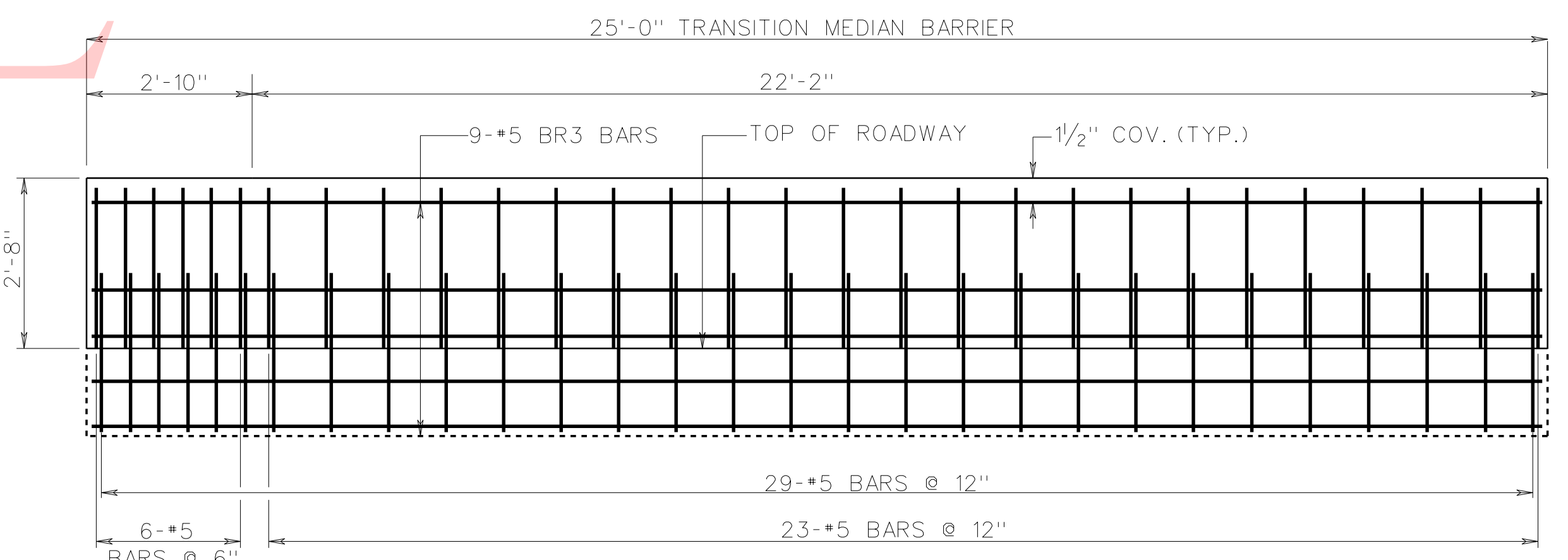
SECTION: B-B



SECTION: C-C



SECTION: E-E

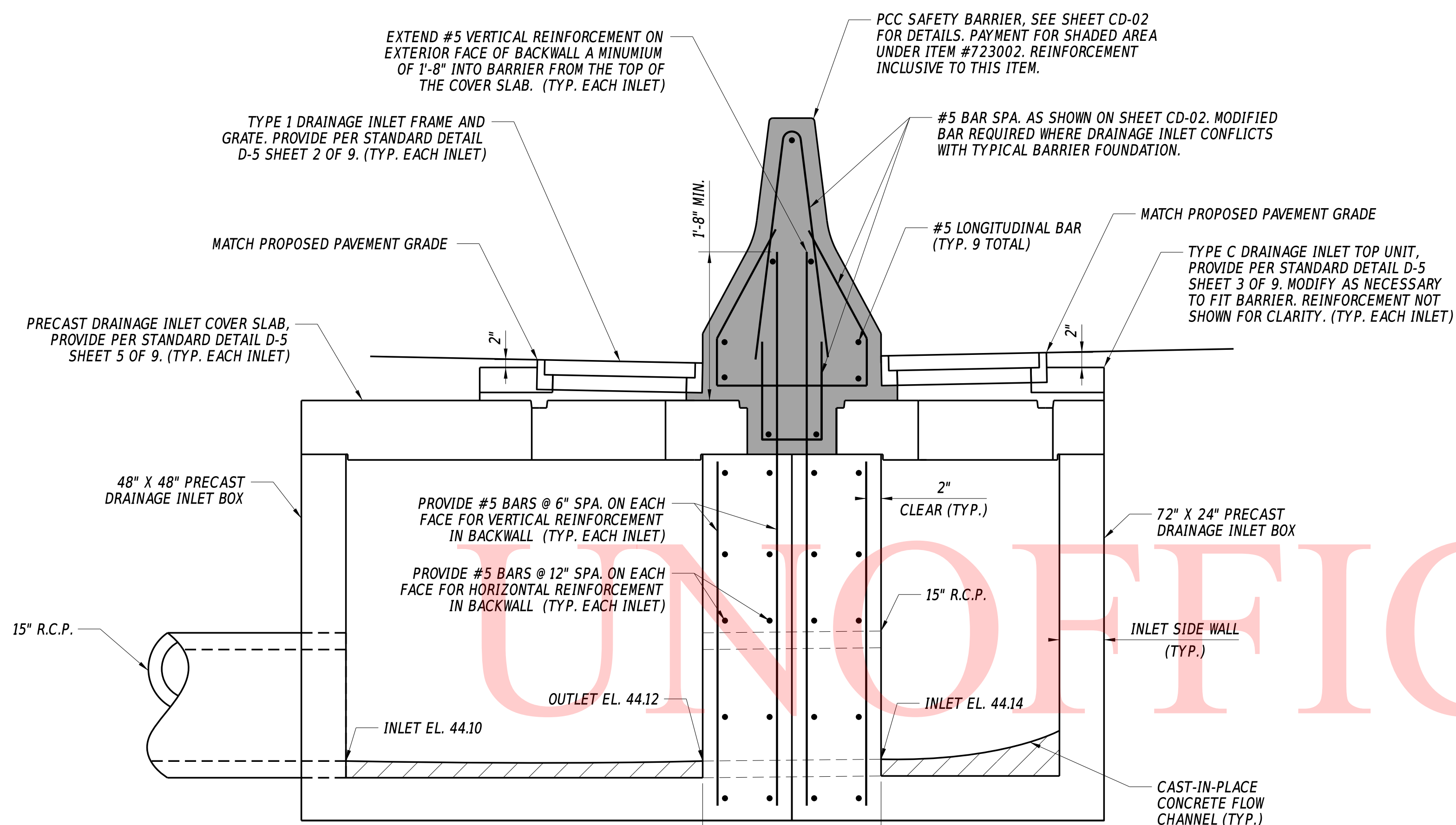


TRANSITION BARRIER ELEVATION

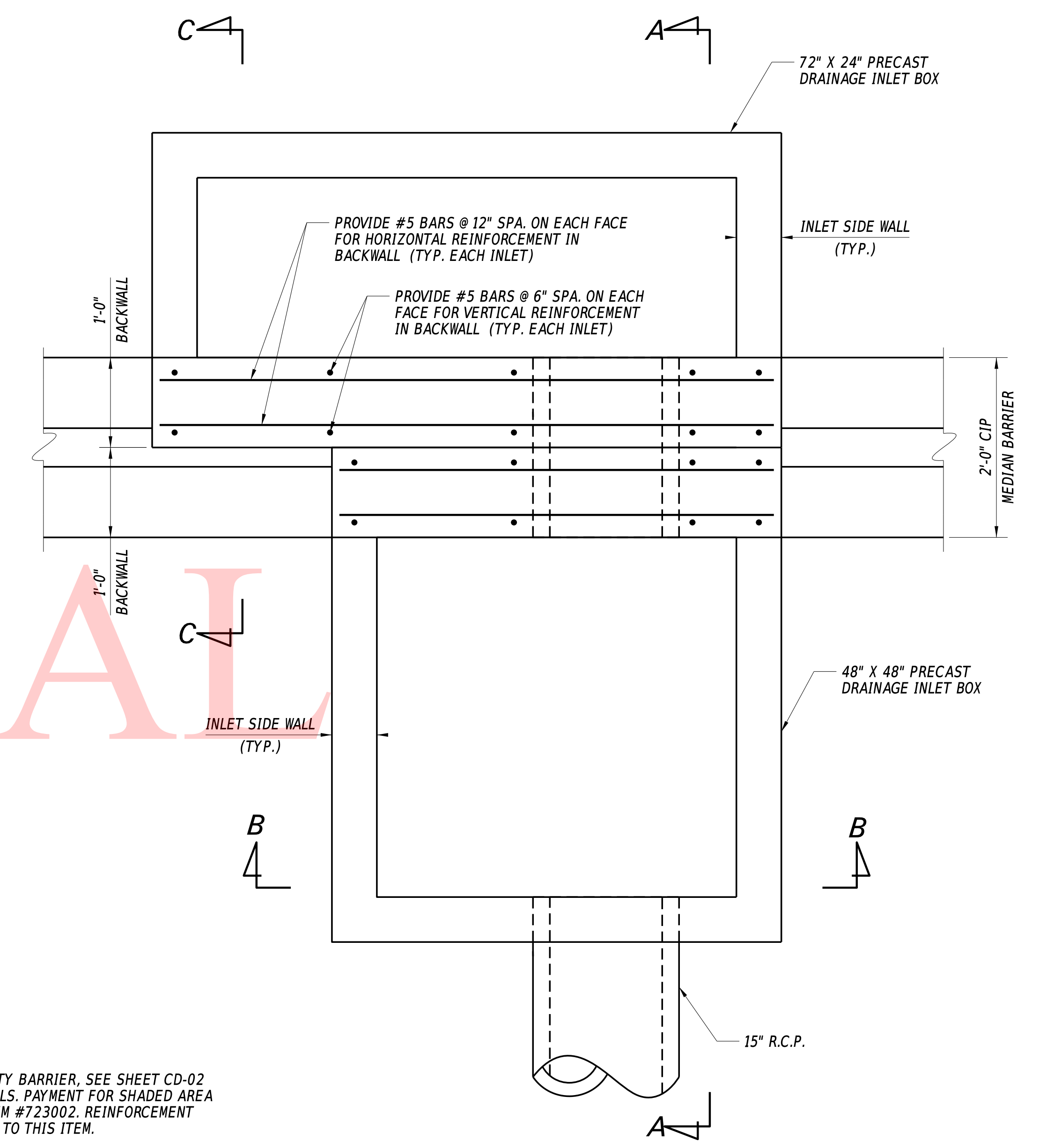
- NOTES:**
1. PAY FOR TRANSITION MEDIAN BARRIER UNDER ITEM 723002 PORTLAND CEMENT CONCRETE SAFETY BARRIER, PERMANENT, DOUBLE FACE, 32".
 2. REINFORCEMENT IS INCLUSIVE TO ITEM 723002

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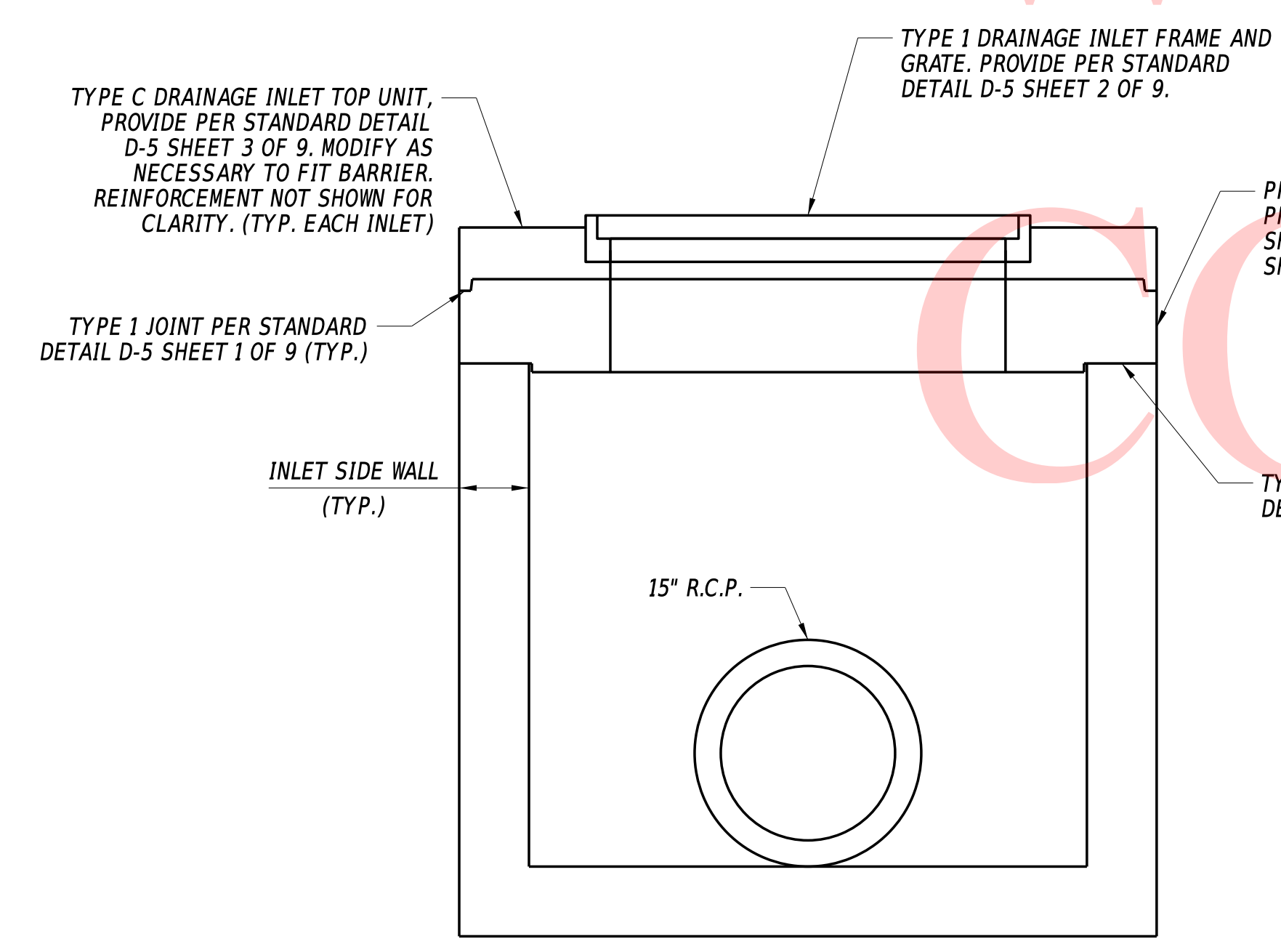
ADDENDA / REVISIONS	NOT TO SCALE	SR 7 MEDIAN BARRIER REPLACEMENT	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: 8px;">CONTRACT</td> <td style="font-size: 8px;">BRIDGE NO.</td> <td style="text-align: center;">N/A</td> </tr> <tr> <td style="font-size: 8px;">T201900702</td> <td style="font-size: 8px;">DESIGNED BY:</td> <td style="font-size: 8px;">KSH</td> </tr> <tr> <td style="font-size: 8px;">COUNTY</td> <td style="font-size: 8px;">CHECKED BY:</td> <td style="font-size: 8px;">TRB</td> </tr> <tr> <td style="font-size: 8px;">NEW CASTLE</td> <td></td> <td></td> </tr> </table>	CONTRACT	BRIDGE NO.	N/A	T201900702	DESIGNED BY:	KSH	COUNTY	CHECKED BY:	TRB	NEW CASTLE			CONSTRUCTION DETAILS
CONTRACT	BRIDGE NO.	N/A														
T201900702	DESIGNED BY:	KSH														
COUNTY	CHECKED BY:	TRB														
NEW CASTLE																
				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: 8px;">SECTION</td> <td style="text-align: center;">CD-02</td> </tr> <tr> <td style="font-size: 8px;">PD</td> <td></td> </tr> <tr> <td style="font-size: 8px;">SHEET NO.</td> <td style="text-align: center;">13</td> </tr> </table>	SECTION	CD-02	PD		SHEET NO.	13						
SECTION	CD-02															
PD																
SHEET NO.	13															



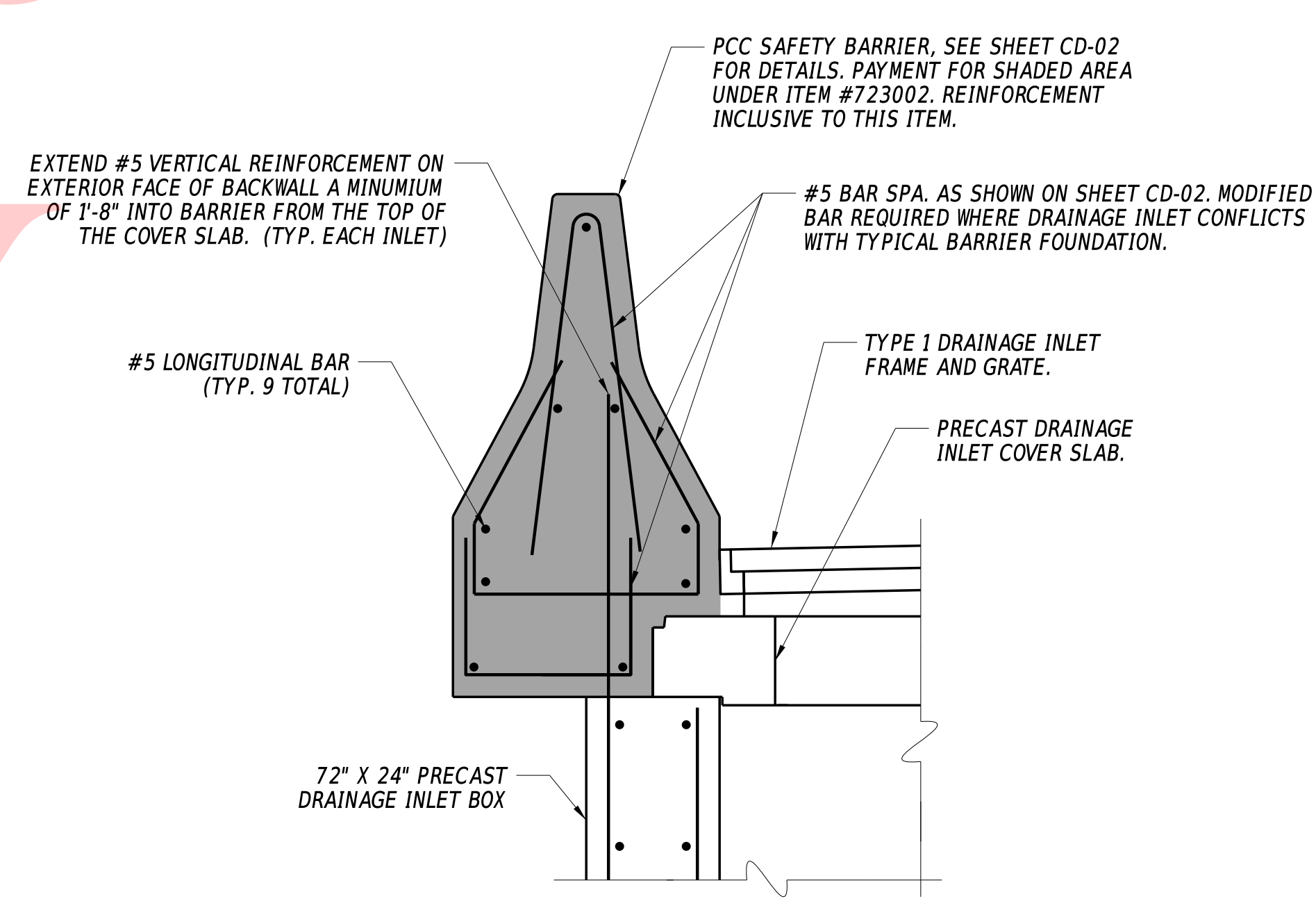
SECTION A-A
1" = 1'-0"



PLAN
1" = 1'-0"



SECTION B-B
1" = 1'-0"

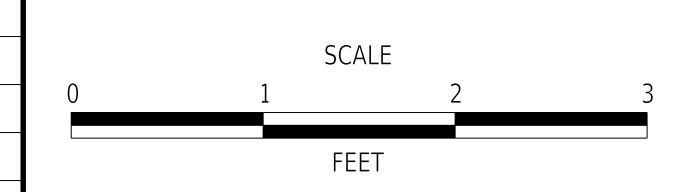


SECTION C-C
1" = 1'-0"

- NOTES:**
1. PAYMENT FOR EACH PROPOSED DRAINAGE INLET #8 AND #9 UNDER ITEM #602012 - DRAINAGE INLET, SPECIAL.
 2. PROVIDE REINFORCEMENT AND UNIT DIMENSIONS FOR VERTICAL INLET WALLS AND BOTTOM SLAB PER WALL REINFORCEMENT SCHEDULE AND DETAILS ON STANDARD DETAIL D-4. NOTE THE EXCEPTION OF REINFORCEMENT IN THE BACKWALL PROVIDED ON THIS DETAIL SHEET.
 3. AN ALTERNATIVE METHOD FOR FABRICATION AND CONSTRUCTION OF EACH DRAINAGE INLET MAY BE SUBMITTED BY THE CONTRACTOR FOR APPROVAL BY THE ENGINEER. THE DEPARTMENT WILL INCURE NO ADDITIONAL COST FOR AN ALTERNATIVE DESIGN.

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ADDENDA / REVISIONS

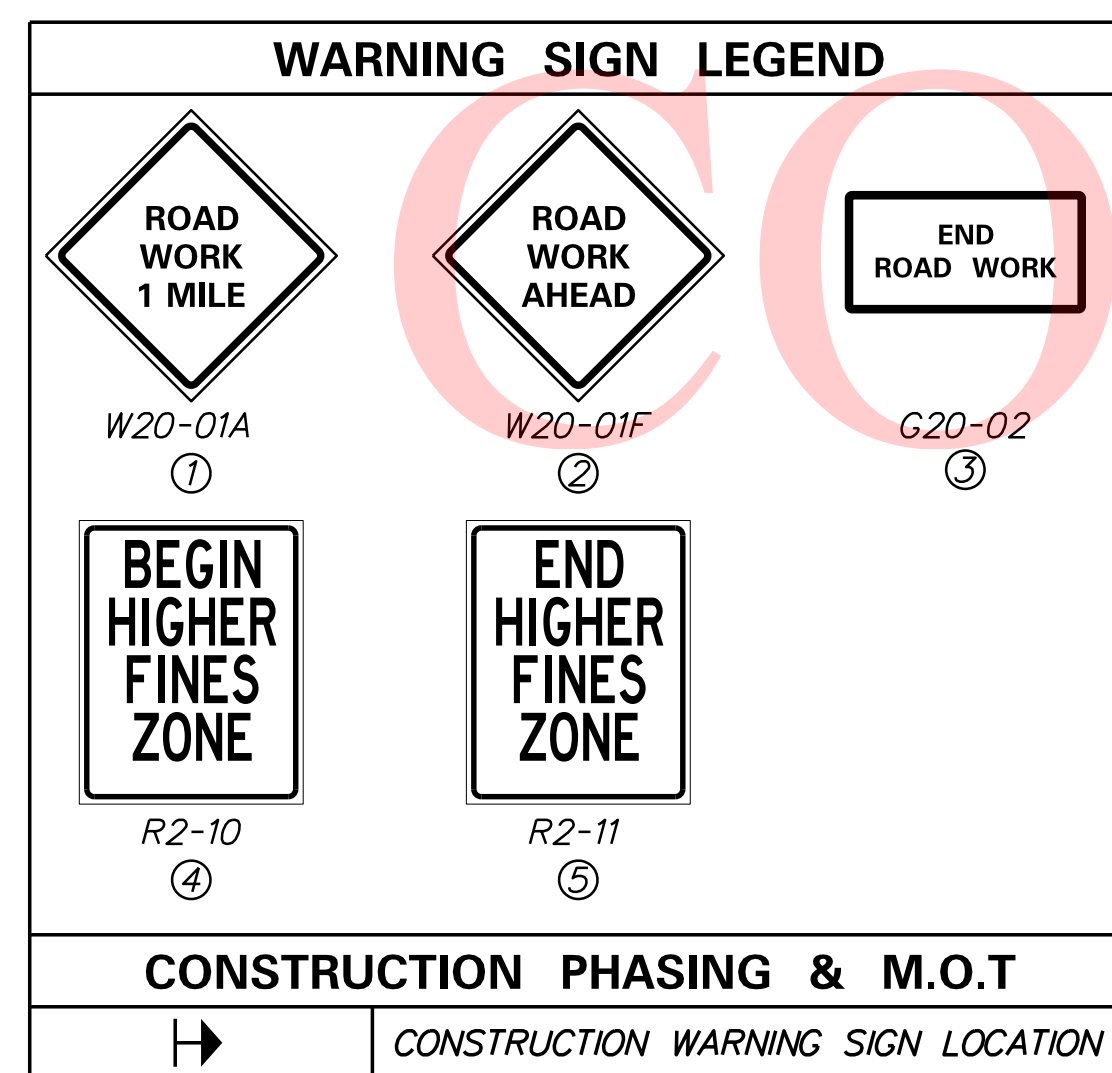
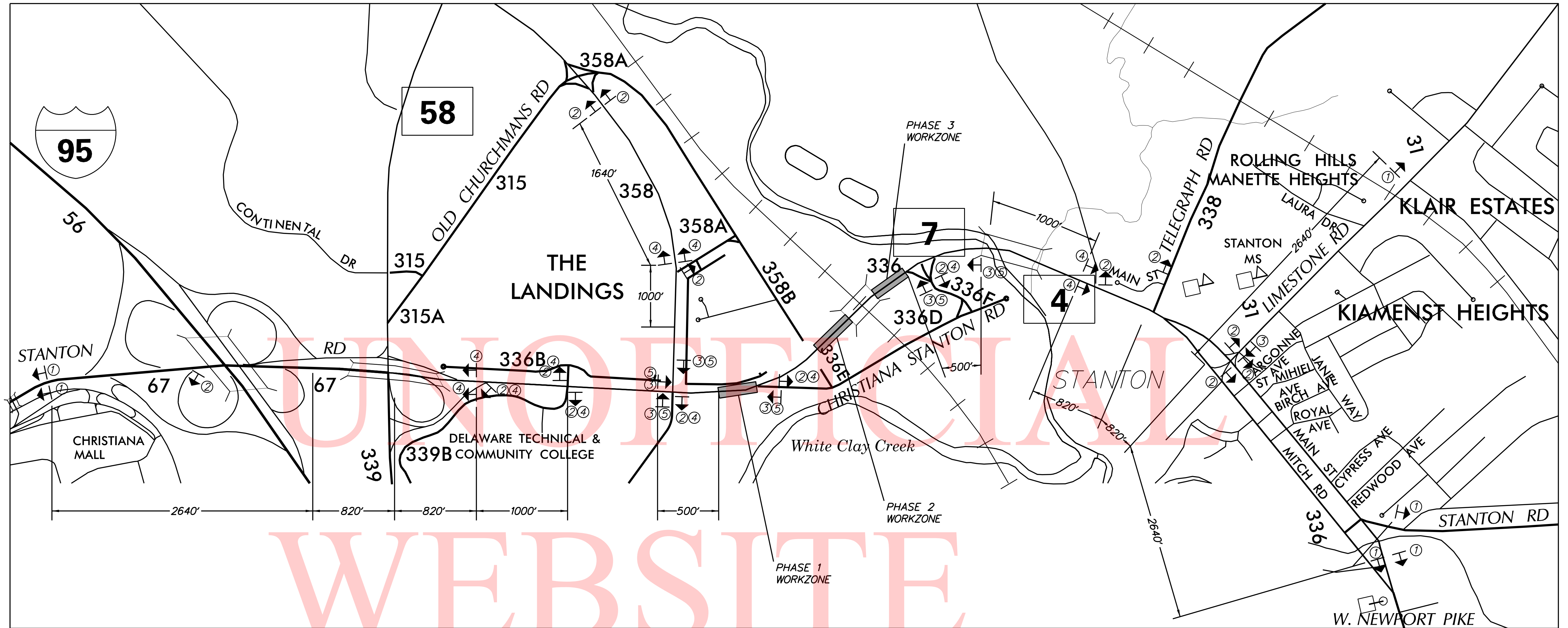


SR 7 MEDIAN BARRIER REPLACEMENT

CONTRACT	BRIDGE NO.	N/A
T201900702	DESIGNED BY:	SMW
COUNTY	CHECKED BY:	TRB
NEW CASTLE		

CONSTRUCTION DETAILS

CD-03
SECTION
PD
SHEET NO.
14



LANE CLOSURE MATRIX

Northbound SR 7 Allowable Lane Closure Hours

	12:00AM	01:00AM	02:00AM	03:00AM	04:00AM	05:00AM	06:00AM	07:00AM	08:00AM	09:00AM	10:00AM	11:00AM	12:00PM	01:00PM	02:00PM	03:00PM	04:00PM	05:00PM	06:00PM	07:00PM	08:00PM	09:00PM	10:00PM	11:00PM
Sunday																								
Monday																								
Tuesday																								
Wednesday																								
Thursday																								
Friday																								
Saturday																								

One Lane Closure
 All Lane Open

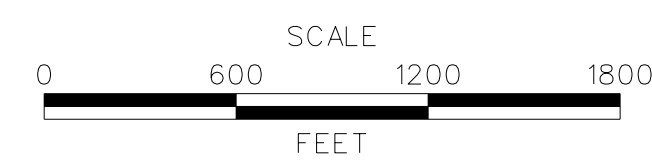
Southbound SR 7 Allowable Lane Closure Hours

	12:00AM	01:00AM	02:00AM	03:00AM	04:00AM	05:00AM	06:00AM	07:00AM	08:00AM	09:00AM	10:00AM	11:00AM	12:00PM	01:00PM	02:00PM	03:00PM	04:00PM	05:00PM	06:00PM	07:00PM	08:00PM	09:00PM	10:00PM	11:00PM
Sunday																								
Monday																								
Tuesday																								
Wednesday																								
Thursday																								
Friday																								
Saturday																								

One Lane Closure
 All Lane Open

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ADDENDA / REVISIONS



**SR 7 MEDIAN
BARRIER REPLACEMENT**

CONTRACT	BRIDGE NO.	1-262 & 1-264
T201900702	DESIGNED BY:	KSH
COUNTY	CHECKED BY:	TRB
NEW CASTLE		

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

SECTION
PD
SHEET NO.
15

MAINTENANCE OF TRAFFIC NOTES:

1. MAINTENANCE OF TRAFFIC DURING LANE CLOSURES AND LANE SHIFTS SHALL CONFORM TO TYPICAL APPLICATION 5B (NB LANE CLOSURE), TA 23 (MAINTAINING TURN LANES AT INTERSECTIONS), TA 34 (SB LANE CLOSURE), AND TA 37 (PLACING/REMOVING TEMPORARY BARRIER, TEMPORARY MARKINGS TAPE, AND RAISED PAVEMENT MARKER LENSES) OF THE DELAWARE MUTCD.
2. 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, 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.

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

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

GRADING AND MAINTAINING BASE COURSE THAT IS BEING USED FOR ROADWAY WEDGE/FILLET BETWEEN TRAVEL LANES AND PAVEMENT BOX, EDGE OF TRAVELWAY, DRIVEWAY OR ENTRANCE ACCESS SHALL BE INCIDENTAL TO ITEM NO. 801000 - MAINTENANCE OF TRAFFIC. THE BASE COURSE MATERIAL SHALL BE PLACED AT NO GREATER THAN THE SLOPE SPECIFIED IN TABLE 6G-1 AND SHALL BE COMPACTED. EXCESS BASE COURSE MATERIAL SHALL BE PUSHED AHEAD AND USED IN THE NEXT SEGMENT AND SHALL BE INCIDENTAL TO THE PARTICULAR BASE COURSE PAY ITEM. NO SEPERATE 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 UNDER THE RESPECTIVE CONTRACT MATERIAL ITEM.

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

3. CONTRACTOR SHALL ACCESS THE WORK AREA IN THE DIRECTION OF TRAFFIC FLOW.
4. 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 801000.

EROSION AND SEDIMENT CONTROL NOTES:

1. THE DISTURBED AREA FOR THIS PROJECT IS 2723 SQFT.
2. 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.

EROSION POTENTIAL FOR THIS PROJECT	CONTRACTOR ESC SUPERVISOR REQUIREMENT
(X) INSIGNIFICANT	NONE
() 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.

GENERAL NOTES:

1. DRUM SPACING IN TANGENT SECTIONS SHALL NOT EXCEED 35'
2. THE ENGINEER RESERVES THE RIGHT TO MODIFY THE TRAFFIC CONTROL AS FIELD CONDITIONS DICTATE
3. ALL LANE CLOSURES MAY ONLY OCCUR DURING ACCEPTABLE LANE CLOSURE HOURS IN ACCORDANCE WITH THE LANE CLOSURE MATRIX.
4. WARNING SIGN PLACEMENT SHALL BE DICTATED BY EACH PHASE. WARNING SIGN PLACEMENT SHOWN IN THE GENERAL LAYOUT SHOWS THE FURTHEST LOCATION ANY ONE SIGN MIGHT BE LOCATED.
5. RAISED/RECESSED PAVEMENT MARKER LENSES NEED TO BE REMOVED WITHIN LANE SHIFTS AND CLOSURES.
6. CONTRACTOR SHALL INSTALL VMS BOARDS ON SR7 FOR PUBLIC NOTIFICATION 10 DAYS PRIOR TO CONSTRUCTION. LOCATION AND MESSAGE SHALL BE COORDINATED AND APPROVED BY DISTRICT TRAFFIC SAFETY OFFICER.

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EROSION & SEDIMENT CONTROL	
— CFL —	COMPOST FILTER LOG
	COMPOST FILTER LOG / LENGTH
	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
— SF —	SILT FENCE
	REINFORCED SILT FENCE / LENGTH
— RSF —	REINFORCED SILT FENCE
	SUPER SILT FENCE / LENGTH
— SSF —	SUPER SILT FENCE
	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
— T —	TURBIDITY CURTAIN

CONSTRUCTION PHASING & M.O.T	
	BARRICADE, TYPE 3
	CONCRETE SAFETY BARRIER - PORTABLE
	CONSTRUCTION SAFETY FENCE / LENGTH
— CSF —	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

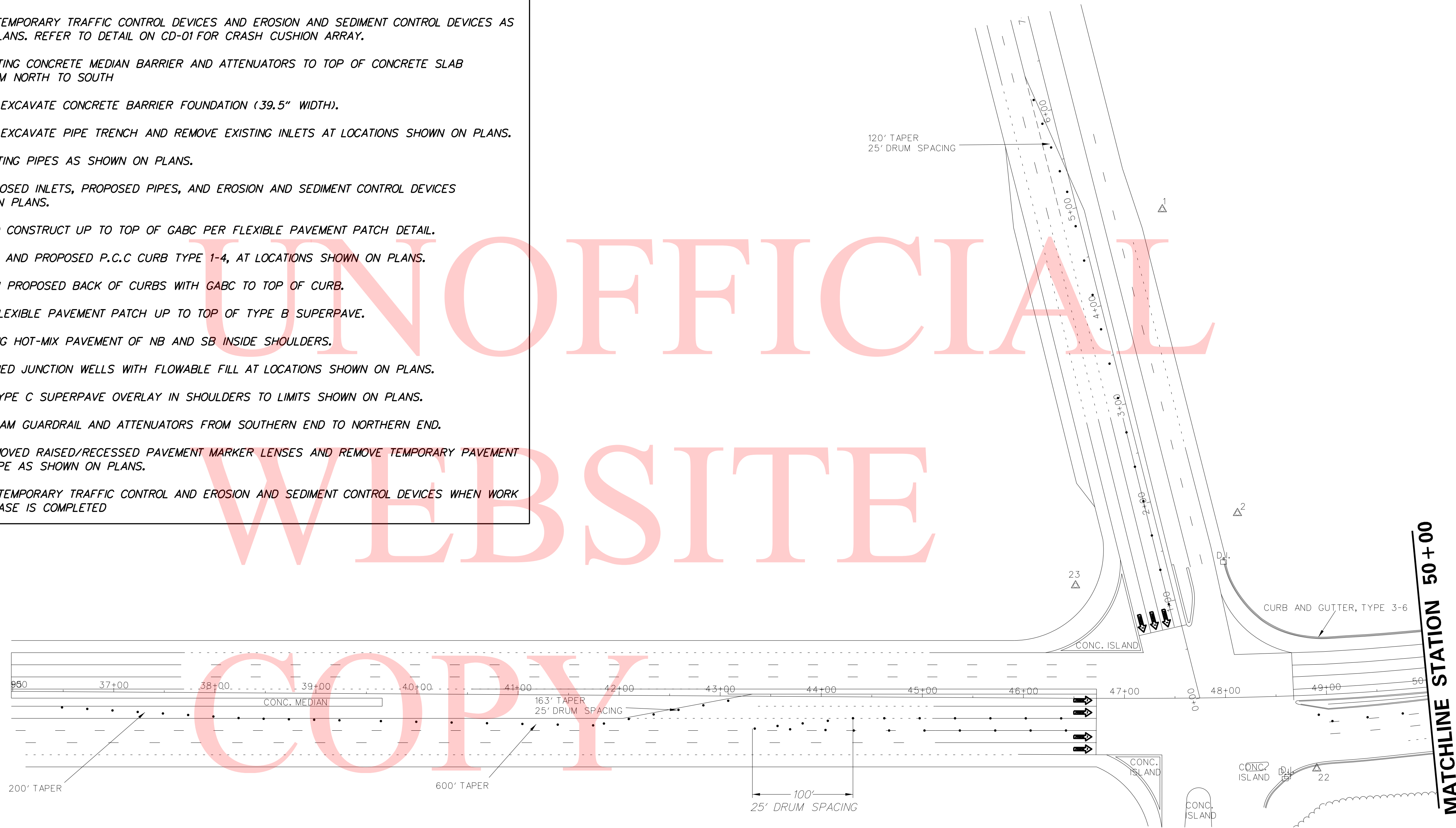
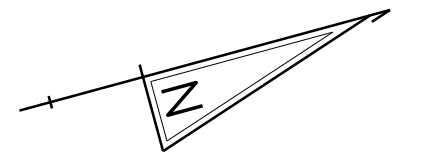
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ADDENDA / REVISIONS	SCALE 0 600 1200 1800 FEET	SR7 MEDIAN BARRIER REPLACEMENT	CONTRACT T201900702 COUNTY NEW CASTLE	BRIDGE NO. NA DESIGNED BY: KSH CHECKED BY: TRB	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN	SECTION PD SHEET NO. 16
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SEQUENCE OF CONSTRUCTION NOTES

PHASE 1

1. REMOVE RAISED/RECESSED PAVEMENT MARKER LENSES AND PLACE TEMPORARY PAVEMENT MARKINGS TAPE AS SHOWN ON PLANS.
2. INSTALL ALL TEMPORARY TRAFFIC CONTROL DEVICES AND EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON PLANS. REFER TO DETAIL ON CD-01 FOR CRASH CUSHION ARRAY.
3. REMOVE EXISTING CONCRETE MEDIAN BARRIER AND ATTENUATORS TO TOP OF CONCRETE SLAB WORKING FROM NORTH TO SOUTH
4. SAWCUT AND EXCAVATE CONCRETE BARRIER FOUNDATION (39.5" WIDTH).
5. SAWCUT AND EXCAVATE PIPE TRENCH AND REMOVE EXISTING INLETS AT LOCATIONS SHOWN ON PLANS.
6. REMOVE EXISTING PIPES AS SHOWN ON PLANS.
7. INSTALL PROPOSED INLETS, PROPOSED PIPES, AND EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON PLANS.
8. BACKFILL AND CONSTRUCT UP TO TOP OF GABC PER FLEXIBLE PAVEMENT PATCH DETAIL.
9. INSTALL GABC AND PROPOSED P.C.C CURB TYPE 1-4, AT LOCATIONS SHOWN ON PLANS.
10. FILL BETWEEN PROPOSED BACK OF CURBS WITH GABC TO TOP OF CURB.
11. CONSTRUCT FLEXIBLE PAVEMENT PATCH UP TO TOP OF TYPE B SUPERPAVE.
12. MILL REMAINING HOT-MIX PAVEMENT OF NB AND SB INSIDE SHOULDERS.
13. FILL ABANDONED JUNCTION WELLS WITH FLOWABLE FILL AT LOCATIONS SHOWN ON PLANS.
14. INSTALL 2" TYPE C SUPERPAVE OVERLAY IN SHOULDERS TO LIMITS SHOWN ON PLANS.
15. INSTALL W-BEAM GUARDRAIL AND ATTENUATORS FROM SOUTHERN END TO NORTHERN END.
16. REPLACE REMOVED RAISED/RECESSED PAVEMENT MARKER LENSES AND REMOVE TEMPORARY PAVEMENT MARKINGS TAPE AS SHOWN ON PLANS.
17. REMOVE ALL TEMPORARY TRAFFIC CONTROL AND EROSION AND SEDIMENT CONTROL DEVICES WHEN WORK FOR THIS PHASE IS COMPLETED



ADDENDA / REVISIONS



**SR 7 MEDIAN
BARRIER REPLACEMENT**

CONTRACT	BRIDGE NO.	NA
T201900702	DESIGNED BY:	KSH
COUNTY	CHECKED BY:	TRB
NEW CASTLE		

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

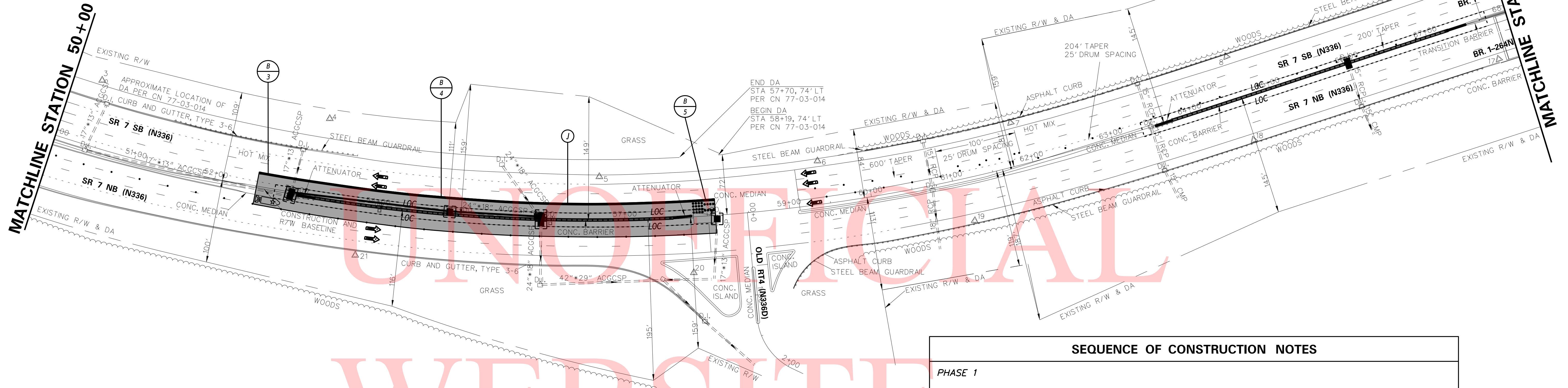
SECTION
PD
SHEET NO.
17

BARRIER SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
3	TEMPORARY IMPACT ATTENUATOR - NON-GATING, REDIRECTIVE, TESTLEVEL 3	23.00'
4	TEMPORARY P.C.C. SAFETY BARRIER, UNPINNED	510.00'
5	TEMPORARY IMPACT ATTENUATOR - NON-GATING, REDIRECTIVE, TESTLEVEL 3	23.00'

TEMPORARY PAVEMENT MARKINGS LEGEND		
SYM.	ITEM	QUANTITY
(J)	4" SOLID YELLOW TEMPORARY TAPE PAVEMENT STRIPING (ITEM 817009)	556 LF

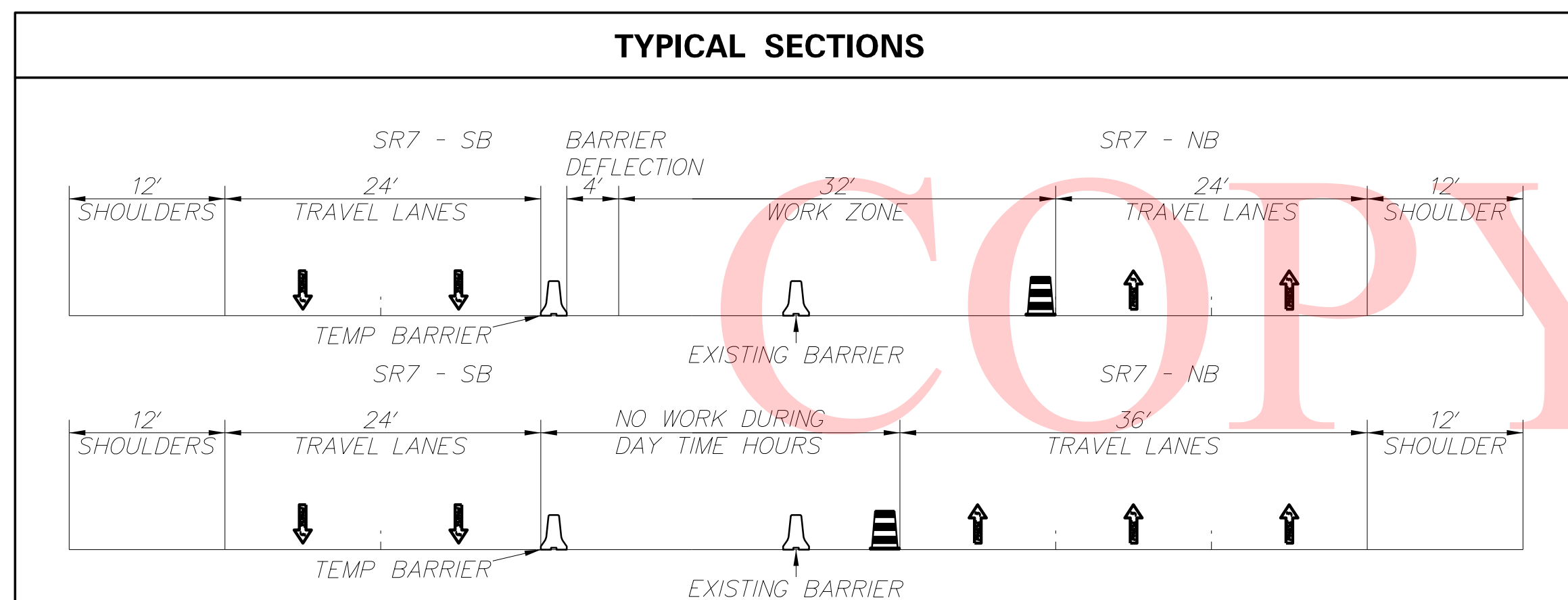
MATCHLINE STATION 50+00

STATION 00+89.50 MATCHLINE



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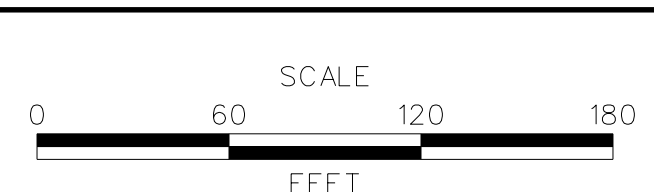
TYPICAL SECTIONS



SEQUENCE OF CONSTRUCTION NOTES

- PHASE 1
- REMOVE RAISED/RECESSED PAVEMENT MARKER LENSES AND PLACE TEMPORARY PAVEMENT MARKINGS TAPE AS SHOWN ON PLANS.
 - INSTALL ALL TEMPORARY TRAFFIC CONTROL DEVICES AND EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON PLANS. REFER TO DETAIL ON CD-01 FOR CRASH CUSHION ARRAY.
 - REMOVE EXISTING CONCRETE MEDIAN BARRIER AND ATTENUATORS TO TOP OF CONCRETE SLAB WORKING FROM NORTH TO SOUTH
 - SAWCUT AND EXCAVATE CONCRETE BARRIER FOUNDATION (39.5" WIDTH).
 - SAWCUT AND EXCAVATE PIPE TRENCH AND REMOVE EXISTING INLETS AT LOCATIONS SHOWN ON PLANS.
 - REMOVE EXISTING PIPES AS SHOWN ON PLANS.
 - INSTALL PROPOSED INLETS, PROPOSED PIPES, AND EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON PLANS.
 - BACKFILL AND CONSTRUCT UP TO TOP OF GABC PER FLEXIBLE PAVEMENT PATCH DETAIL.
 - INSTALL GABC AND PROPOSED P.C.C CURB TYPE 1-4, AT LOCATIONS SHOWN ON PLANS.
 - FILL BETWEEN PROPOSED BACK OF CURBS WITH GABC TO TOP OF CURB.
 - CONSTRUCT FLEXIBLE PAVEMENT PATCH UP TO TOP OF TYPE B SUPERPAVE.
 - MILL REMAINING HOT-MIX PAVEMENT OF NB AND SB INSIDE SHOULDERS.
 - FILL ABANDONED JUNCTION WELLS WITH FLOWABLE FILL AT LOCATIONS SHOWN ON PLANS.
 - INSTALL 2" TYPE C SUPERPAVE OVERLAY IN SHOULDERS TO LIMITS SHOWN ON PLANS.
 - INSTALL W-BEAM GUARDRAIL AND ATTENUATORS FROM SOUTHERN END TO NORTHERN END.
 - REPLACE REMOVED RAISED/RECESSED PAVEMENT MARKER LENSES AND REMOVE TEMPORARY PAVEMENT MARKINGS TAPE AS SHOWN ON PLANS.
 - REMOVE ALL TEMPORARY TRAFFIC CONTROL AND EROSION AND SEDIMENT CONTROL DEVICES WHEN WORK FOR THIS PHASE IS COMPLETED

ADDENDA / REVISIONS



SR 7 MEDIAN BARRIER REPLACEMENT

CONTRACT	BRIDGE NO.	1-264
T201900702	DESIGNED BY:	KSH
COUNTY	CHECKED BY:	TRB
NEW CASTLE		

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

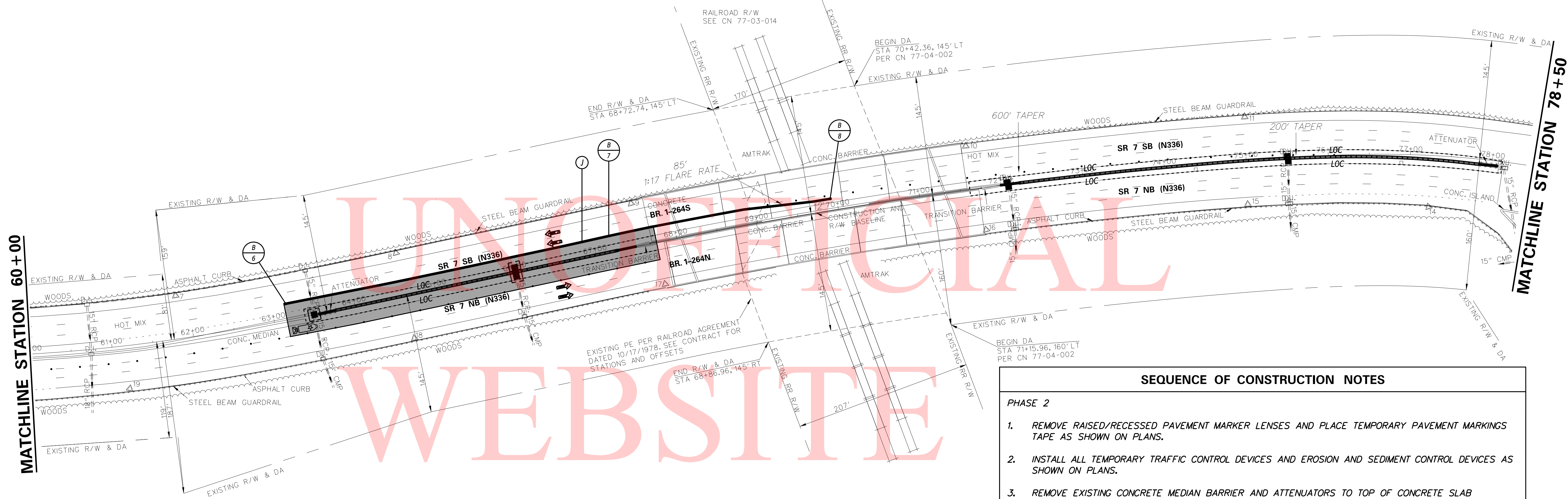
SECTION	PD
SHEET NO.	18

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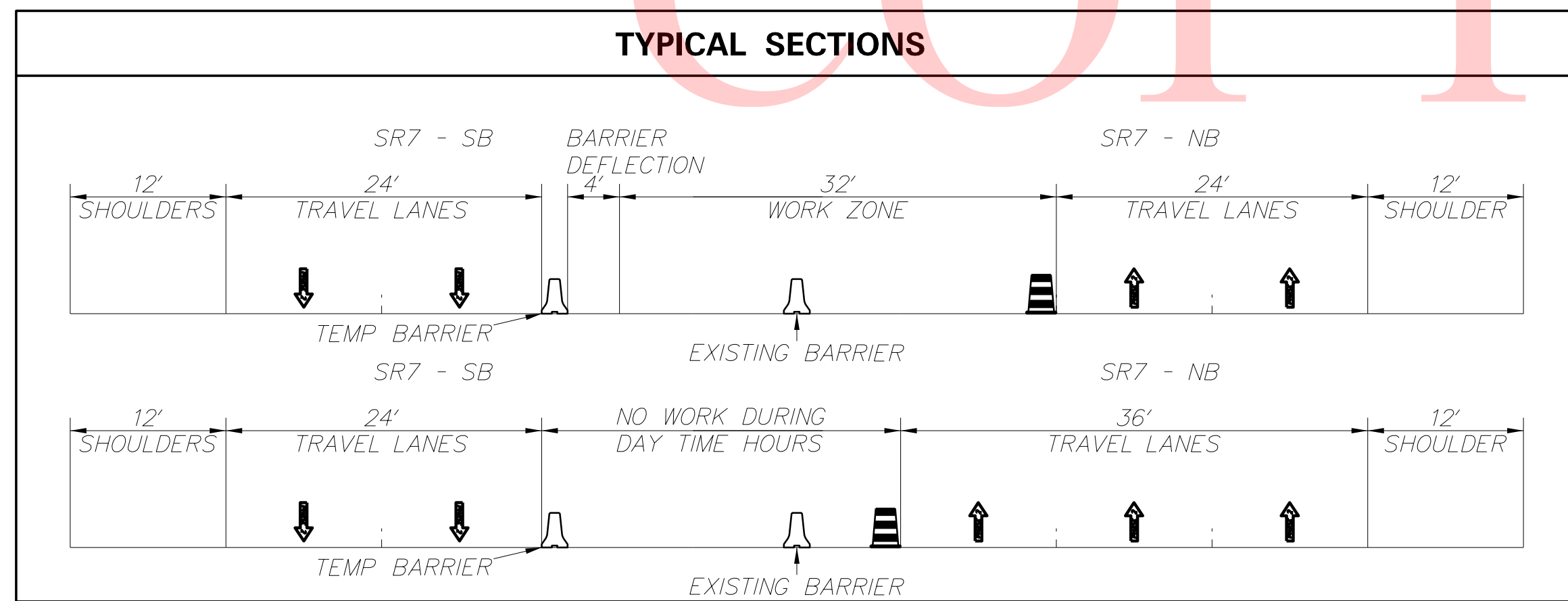


BARRIER SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
6	TEMPORARY IMPACT ATTENUATOR - NON-GATING, REDIRECTIVE, TESTLEVEL 3	23.00'
7	TEMPORARY P.C.C. SAFETY BARRIER, UNPINNED	634.00'
8	TEMPORARY IMPACT ATTENUATOR - NON-GATING, REDIRECTIVE, TESTLEVEL 3	23.00'

TEMPORARY PAVEMENT MARKINGS LEGEND		
SYM.	ITEM	QUANTITY
①	4" SOLID YELLOW TEMPORARY TAPE PAVEMENT STRIPING (ITEM 817009)	680 LF



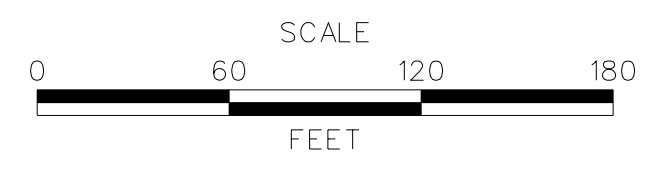
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- SEQUENCE OF CONSTRUCTION NOTES**
- PHASE 2**
1. REMOVE RAISED/RECESSED PAVEMENT MARKER LENSES AND PLACE TEMPORARY PAVEMENT MARKINGS TAPE AS SHOWN ON PLANS.
 2. INSTALL ALL TEMPORARY TRAFFIC CONTROL DEVICES AND EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON PLANS.
 3. REMOVE EXISTING CONCRETE MEDIAN BARRIER AND ATTENUATORS TO TOP OF CONCRETE SLAB WORKING FROM NORTH TO SOUTH
 4. SAWCUT AND EXCAVATE CONCRETE BARRIER FOUNDATION (39.5" WIDTH). IN THE LOCATION OF THE MEDIAN BARRIER TRANSITION, SAWCUT AND EXCAVATE 2' IN THE CENTER OF THE EXISTING BARRIER FOUNDATION, LEAVING 7.75" ON EITHER SIDE.
 5. SAWCUT AND EXCAVATE PIPE TRENCH AND REMOVE EXISTING INLETS AT LOCATIONS SHOWN ON PLANS.
 6. INSTALL PROPOSED INLETS, PROPOSED PIPES, AND EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON PLANS.
 7. INSTALL GABC AND PROPOSED P.C.C CURB TYPE 1-4, AT LOCATIONS SHOWN ON PLANS.
 8. FILL BETWEEN PROPOSED BACK OF CURBS WITH GABC TO TOP OF CURB.
 9. INSTALL PROPOSED CONCRETE MEDIAN BARRIER TRANSITION AND FOUNDATION. USE TMA NB TO ENSURE NO BLUNT END IS EXPOSED.
 10. MILL REMAINING HOT-MIX PAVEMENT OF NB AND SB INSIDE SHOULDERS.
 11. INSTALL 2" TYPE C SUPERPAVE OVERLAY IN SHOULDERS TO LIMITS SHOWN ON PLANS.
 12. INSTALL W-BEAM GUARDRAIL AND ATTENUATOR FROM SOUTHERN END TO NORTHERN END.
 13. REPLACE REMOVED RAISED/RECESSED PAVEMENT MARKER LENSES AND REMOVE TEMPORARY PAVEMENT MARKINGS TAPE AS SHOWN ON PLANS.
 14. REMOVE ALL TEMPORARY TRAFFIC CONTROL AND EROSION AND SEDIMENT CONTROL DEVICES WHEN WORK FOR THIS PHASE IS COMPLETED

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ADDENDA / REVISIONS



**SR 7 MEDIAN
BARRIER REPLACEMENT**

CONTRACT	BRIDGE NO.	1-264
T201900702	DESIGNED BY:	KSH
COUNTY	CHECKED BY:	TRB
NEW CASTLE		

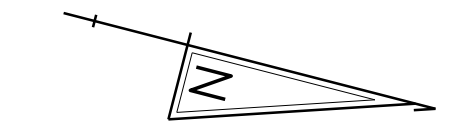
**CONSTRUCTION PHASING,
M.O.T., AND EROSION
CONTROL PLAN - PHASE 2**

SECTION	PD
SHEET NO.	20

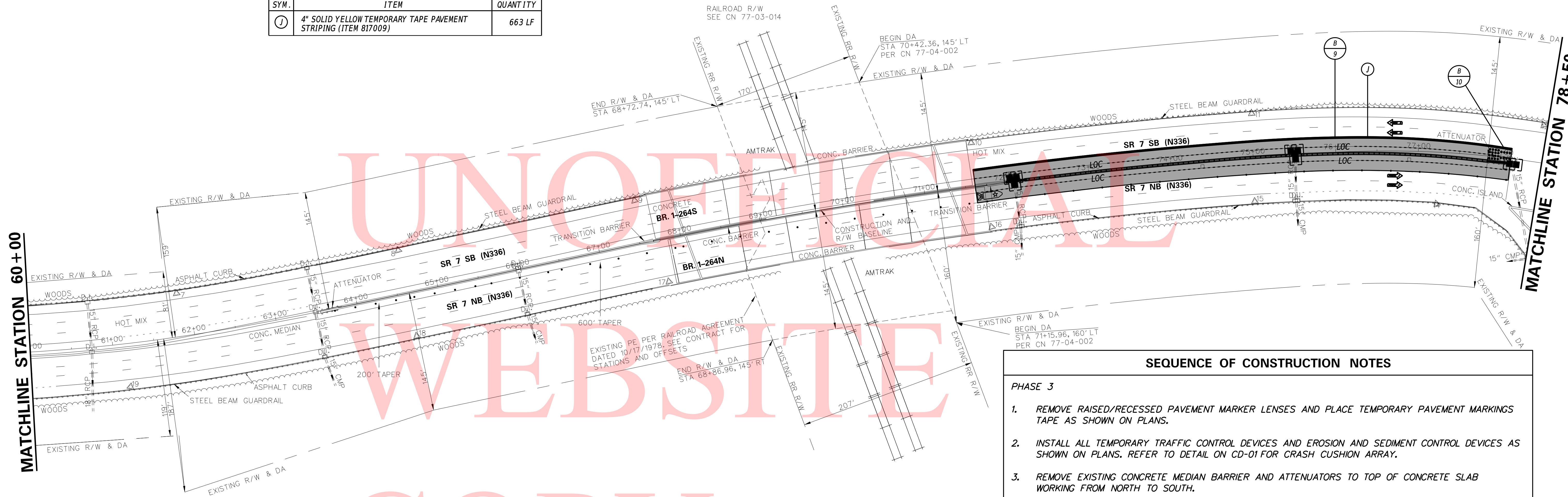
GENERAL NOTES:

THE CONTRACTOR MUST CONTACT THE TMC BEFORE THE CONSTRUCTION OF THE DRAINAGE INLETS SHOULD THE EX-SIG CONDUIT BE DISCONNECTED.

BARRIER SCHEDULE		
NO.	ITEM DESCRIPTION / TYPE	LENGTH
9	TEMPORARY P.C.C. SAFETY BARRIER, UNPINNED	640.00'
10	TEMPORARY IMPACT ATTENUATOR - NON-GATING, REDIRECTIVE, TEST LEVEL 3	23.00'

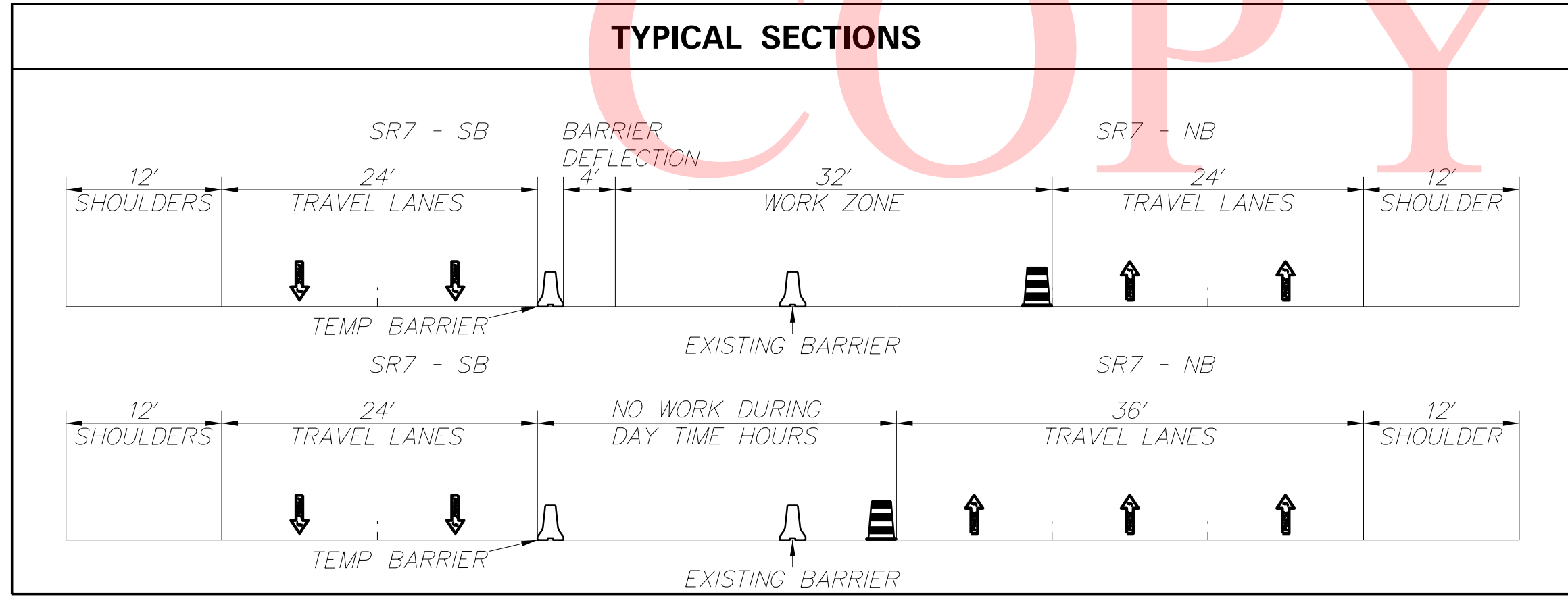


TEMPORARY PAVEMENT MARKINGS LEGEND		
SYM.	ITEM	QUANTITY
⓪	4" SOLID YELLOW TEMPORARY TAPE PAVEMENT STRIPING (ITEM 817009)	663 LF



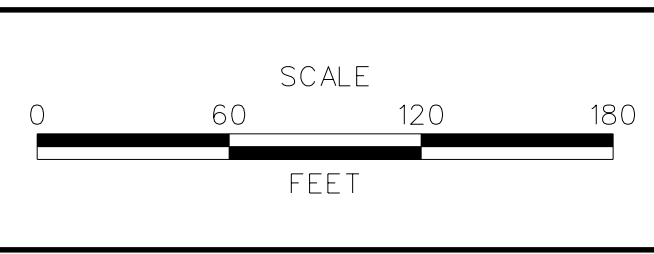
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SEQUENCE OF CONSTRUCTION NOTES	
PHASE 3	
1.	REMOVE RAISED/RECESSED PAVEMENT MARKER LENSES AND PLACE TEMPORARY PAVEMENT MARKINGS TAPE AS SHOWN ON PLANS.
2.	INSTALL ALL TEMPORARY TRAFFIC CONTROL DEVICES AND EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON PLANS. REFER TO DETAIL ON CD-01 FOR CRASH CUSHION ARRAY.
3.	REMOVE EXISTING CONCRETE MEDIAN BARRIER AND ATTENUATORS TO TOP OF CONCRETE SLAB WORKING FROM NORTH TO SOUTH.
4.	SAWCUT AND EXCAVATE CONCRETE BARRIER FOUNDATION (39.5" WIDTH). IN THE LOCATION OF THE MEDIAN BARRIER TRANSITION, SAWCUT AND EXCAVATE 2' IN THE CENTER OF THE EXISTING BARRIER FOUNDATION, LEAVING 7.75" ON EITHER SIDE.
5.	SAWCUT AND EXCAVATE PIPE TRENCH AND REMOVE EXISTING INLETS AT LOCATIONS SHOWN ON PLANS.
6.	INSTALL PROPOSED CONCRETE MEDIAN BARRIER TRANSITION, FOUNDATION, AND SPECIAL INLETS.
7.	INSTALL REMAINING PROPOSED INLETS, PROPOSED PIPES, AND EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON PLANS. SEE NOTE IF EX-SIG NEEDS TO BE RELOCATED.
8.	INSTALL GABC AND PROPOSED P.C.C. CURB TYPE 1-4, AT LOCATIONS SHOWN ON PLANS.
9.	FILL BETWEEN PROPOSED BACK OF CURBS WITH GABC TO TOP OF CURB.
10.	MILL REMAINING HOT-MIX PAVEMENT OF NB AND SB INSIDE SHOULDERS.
11.	INSTALL 2" TYPE C SUPERPAVE OVERLAY IN SHOULDERS TO LIMITS SHOWN ON PLANS.
12.	INSTALL W-BEAM GUARDRAIL AND ATTENUATOR FROM SOUTHERN END TO NORTHERN END.
13.	REPLACE REMOVED RAISED/RECESSED PAVEMENT MARKER LENSES AND REMOVE TEMPORARY PAVEMENT MARKINGS TAPE AS SHOWN ON PLANS.
14.	REMOVE ALL TEMPORARY TRAFFIC CONTROL AND EROSION AND SEDIMENT CONTROL DEVICES WHEN WORK FOR THIS PHASE IS COMPLETED



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ADDENDA / REVISIONS

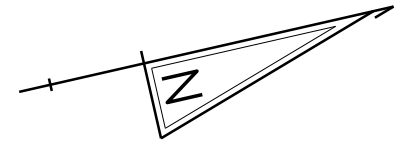


**SR 7 MEDIAN
BARRIER REPLACEMENT**

CONTRACT	BRIDGE NO.	1-264
T201900702	DESIGNED BY:	KSH
COUNTY	CHECKED BY:	TRB
NEW CASTLE		

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

SECTION	PD
SHEET NO.	21

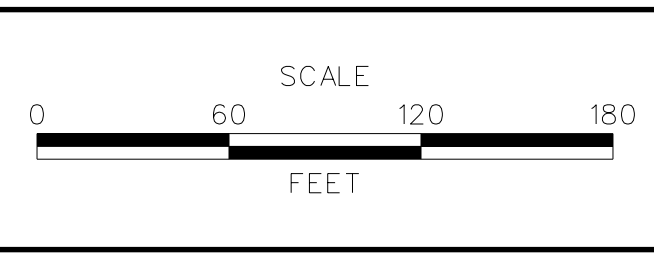


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SEQUENCE OF CONSTRUCTION NOTES	
<i>PHASE 3</i>	
1.	REMOVE RAISED/RECESSED PAVEMENT MARKER LENSES AND PLACE TEMPORARY PAVEMENT MARKINGS TAPE AS SHOWN ON PLANS.
2.	INSTALL ALL TEMPORARY TRAFFIC CONTROL DEVICES AND EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON PLANS. REFER TO DETAIL ON CD-01 FOR GRASH CUSHION ARRAY.
3.	REMOVE EXISTING CONCRETE MEDIAN BARRIER AND ATTENUATORS TO TOP OF CONCRETE SLAB WORKING FROM NORTH TO SOUTH.
4.	SAWCUT AND EXCAVATE CONCRETE BARRIER FOUNDATION (39.5" WIDTH). IN THE LOCATION OF THE MEDIAN BARRIER TRANSITION, SAWCUT AND EXCAVATE 2' IN THE CENTER OF THE EXISTING BARRIER FOUNDATION, LEAVING 7.75" ON EITHER SIDE.
5.	SAWCUT AND EXCAVATE PIPE TRENCH AND REMOVE EXISTING INLETS AT LOCATIONS SHOWN ON PLANS.
6.	INSTALL PROPOSED CONCRETE MEDIAN BARRIER TRANSITION, FOUNDATION, AND SPECIAL INLETS.
7.	INSTALL REMAINING PROPOSED INLETS, PROPOSED PIPES, AND EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON PLANS. SEE NOTE IF EX-SIG NEEDS TO BE RELOCATED.
8.	INSTALL GABC AND PROPOSED P.C.C CURB TYPE 1-4, AT LOCATIONS SHOWN ON PLANS.
9.	FILL BETWEEN PROPOSED BACK OF CURBS WITH GABC TO TOP OF CURB.
10.	MILL REMAINING HOT-MIX PAVEMENT OF NB AND SB INSIDE SHOULDERS.
11.	INSTALL 2" TYPE C SUPERPAVE OVERLAY IN SHOULDERS TO LIMITS SHOWN ON PLANS.
12.	INSTALL W-BEAM GUARDRAIL AND ATTENUATOR FROM SOUTHERN END TO NORTHERN END.
13.	REPLACE REMOVED RAISED/RECESSED PAVEMENT MARKER LENSES AND REMOVE TEMPORARY PAVEMENT MARKINGS TAPE AS SHOWN ON PLANS.
14.	REMOVE ALL TEMPORARY TRAFFIC CONTROL AND EROSION AND SEDIMENT CONTROL DEVICES WHEN WORK FOR THIS PHASE IS COMPLETED

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ADDENDA / REVISIONS	



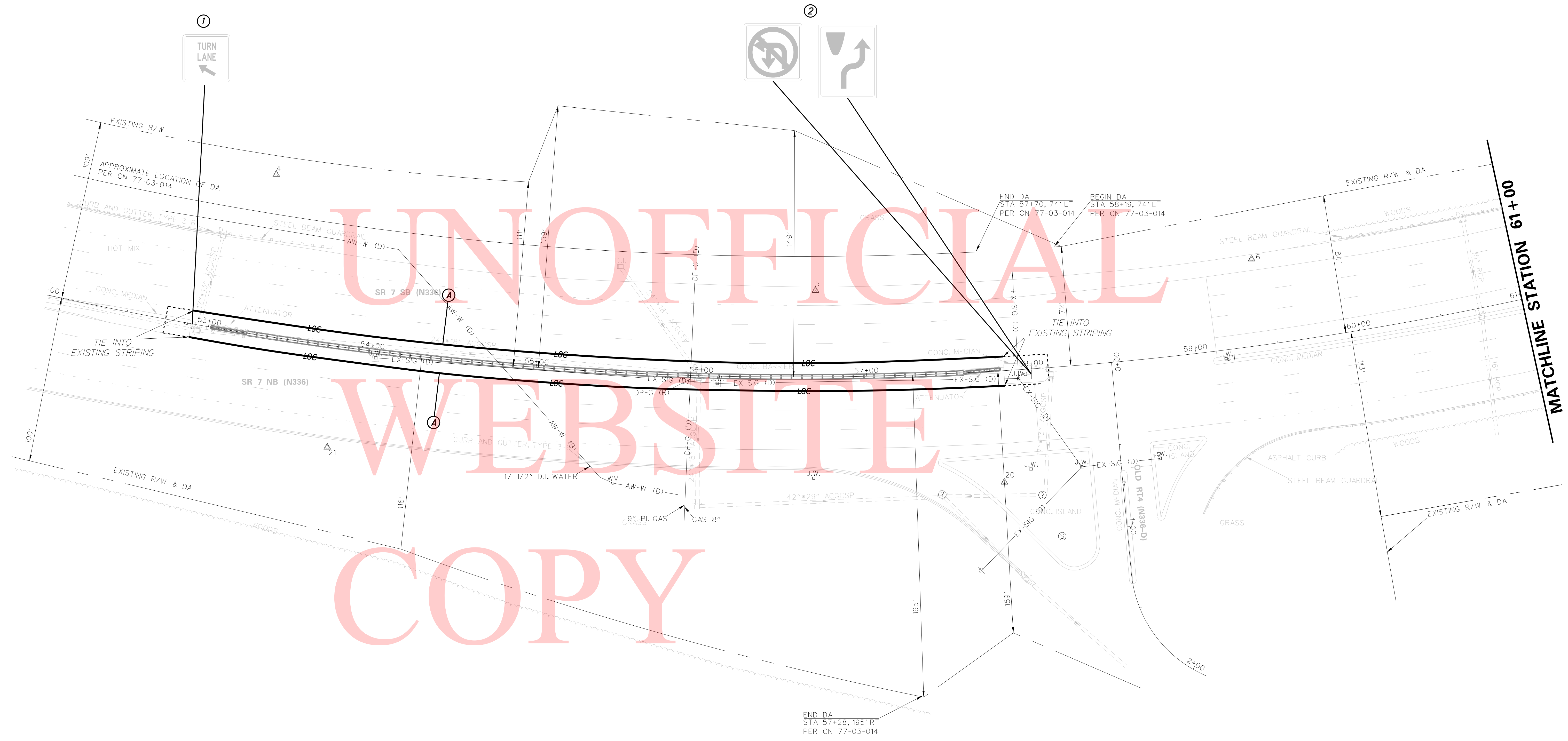
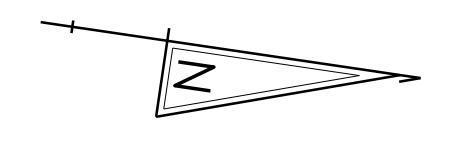
**SR 7 MEDIAN
BARRIER REPLACEMENT**

CONTRACT T201900702	BRIDGE NO. 1-262
COUNTY NEW CASTLE	DESIGNED BY: KSH
	CHECKED BY: TRB

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

SECTION PD	SHEET NO. 22
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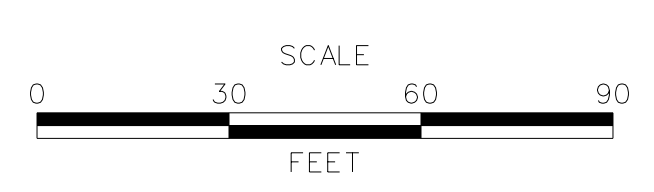
PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 5" SOLID (ITEM 817013)	990 LF



UNOFFICIAL
WEBSITE
COPY

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					
248	SS-1	2	R3-19(36)	1	COMBINATION U-TURN AND LEFT TURN PROHIBITION (Symbol) - 36x36	36"	36"		REMAIN										
322	SS-1	2	R4-7c	1	NARROW KEEP RIGHT	18"	30"		REMAIN										
252	SS-1	1	R3-20-DE	1	TURN LANE	18"	18"		REMAIN										
248	SS-3	3	R3-19(36)	1	COMBINATION U-TURN AND LEFT TURN PROHIBITION (Symbol) - 36x36	36"	36"		REMAIN										
311	SS-3	3	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24"	30"		REMAIN										
PAGE TOTALS									0	0	0	0	0	0	0	0	0		

ADDENDA / REVISIONS



**SR 7 MEDIAN
BARRIER REPLACEMENT**

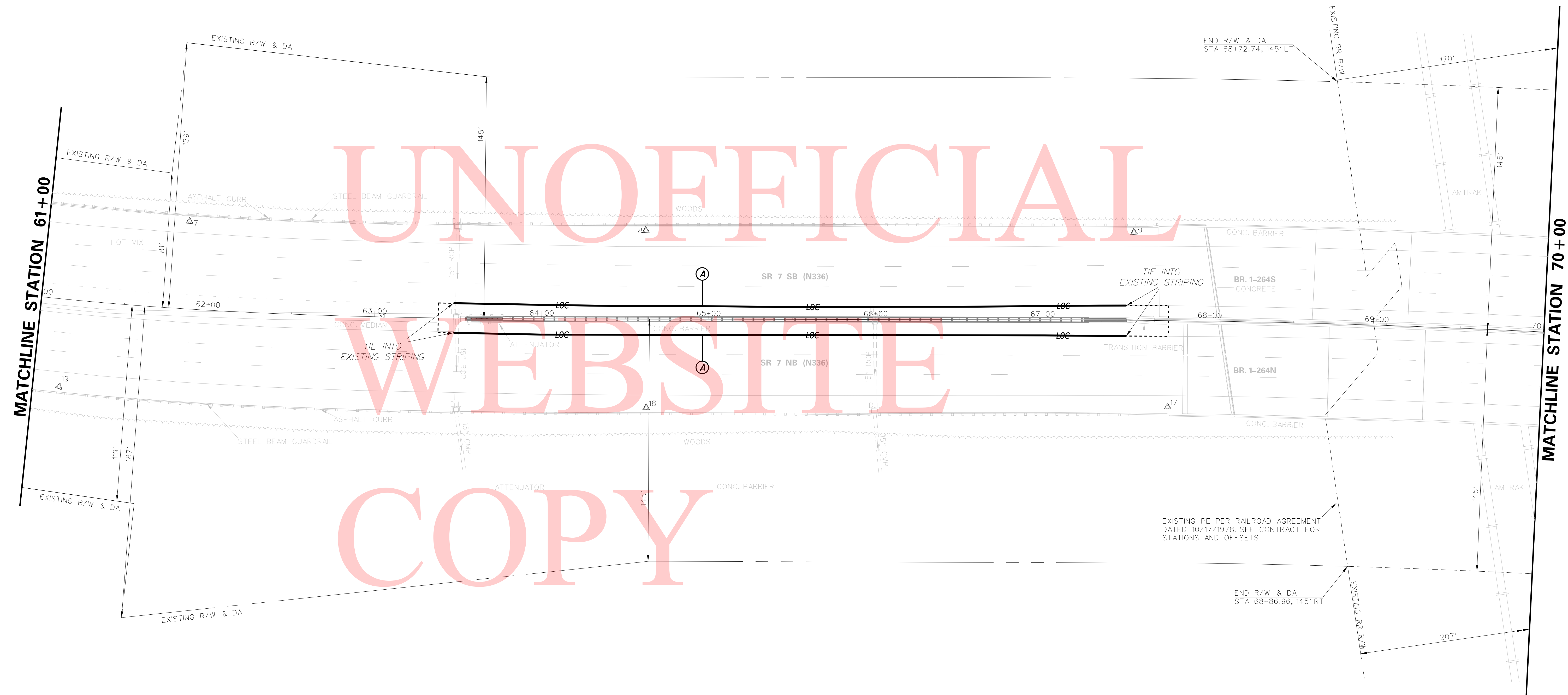
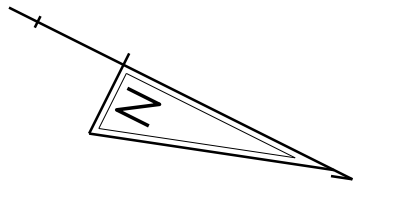
CONTRACT T201900702	BRIDGE NO. NA
COUNTY NEW CASTLE	DESIGNED BY: KSH
	CHECKED BY: TRB

**SIGNING, STRIPING
AND CONDUIT PLAN**

SS-01
SECTION PD
SHEET NO. 23

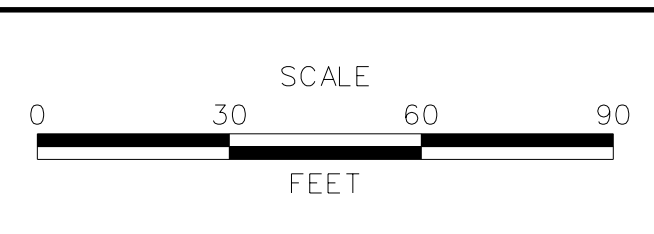
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PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 5" SOLID (ITEM 817013)	806 LF



13-FEB-2019 09:55 Y:\NE\CASTL\336\Road\T201900702\Plans\SS02.dgn

ADDENDA / REVISIONS



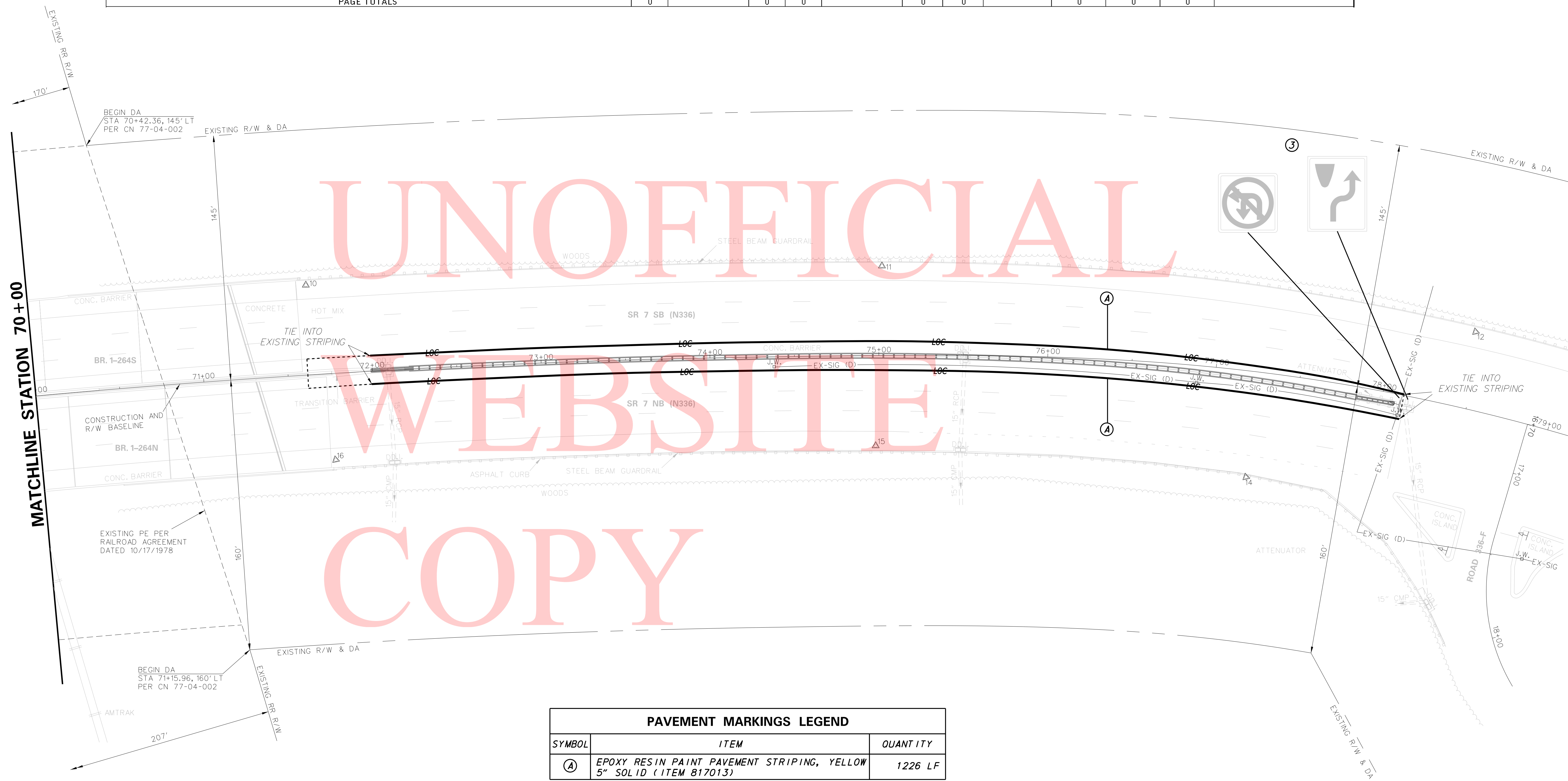
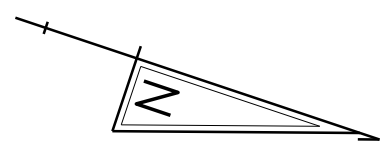
**SR 7 MEDIAN
BARRIER REPLACEMENT**

CONTRACT T201900702	BRIDGE NO. 1-264
COUNTY NEW CASTLE	DESIGNED BY: KSH
	CHECKED BY: TRB

SIGNING, STRIPING AND CONDUIT PLAN	
SECTION PD	SHEET NO. 24

SS-02

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					
248	SS-1	2	R3-18(36)	1	COMBINATION U-TURN AND LEFT TURN PROHIBITION (Symbol) - 36x36	36"	36"		REMAIN										
322	SS-1	2	R4-7c	1	NARROW KEEP RIGHT	18"	30"		REMAIN										
252	SS-1	1	R3-20-DE	1	TURN LANE	18"	18"		REMAIN										
248	SS-3	3	R3-18(36)	1	COMBINATION U-TURN AND LEFT TURN PROHIBITION (Symbol) - 36x36	36"	36"		REMAIN										
311	SS-3	3	R4-7(24)	1	KEEP RIGHT (Symbol) - 24x30	24"	30"		REMAIN										
PAGE TOTALS								0	0	0	0	0	0	0	0	0			



PAVEMENT MARKINGS LEGEND		
SYMBOL	ITEM	QUANTITY
(A)	EPOXY RESIN PAINT PAVEMENT STRIPING, YELLOW 5" SOLID (ITEM 817013)	1226 LF

13-FEB-2019 09:55 T:\NE\CASTL\336\Road\T201900702\Plans\SS03.dgn

ADDENDA / REVISIONS 	SCALE FEET	SR 7 MEDIAN BARRIER REPLACEMENT	CONTRACT T201900702 COUNTY NEW CASTLE BRIDGE NO. 1-264 DESIGNED BY: KSH CHECKED BY: TRB	SIGNING, STRIPING AND CONDUIT PLAN	SS-03 SECTION PD SHEET NO. 25
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