

SEE SHEET IL1 FOR INDEX OF SHEETS

BRIDGE PLANS BOUND
UNDER A SEPARATE COVER

Design Reference for these plans is the:

2017

SCDOT "Roadway Design Manual"

Hydraulic Design Reference for these plans is the:

2009

Edition of SCDOT's "Requirements for
Hydraulic Design Studies"

ENVIRONMENTAL PERMIT INFORMATION				
USACE PERMIT	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO		
NEPA DOCUMENT	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO		
401 CERTIFICATION	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO		
OCRM CAP	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO		
NAVIGABLE WATERS	<input type="checkbox"/> SC	<input type="checkbox"/> USCG	<input type="checkbox"/> USACE	<input checked="" type="checkbox"/> NA

3 DAYS BEFORE DIGGING IN
SOUTH CAROLINA

CALL 811

SOUTH CAROLINA 811 (SC811)
WWW.SC811.COM
ALL UTILITIES MAY NOT BE A MEMBER OF SC811

RAILROAD INVOLVEMENT?
YES ☒ NO

TRAFFIC DATA				
	BROAD RIVER RD	I-20 (I-26 TO US176)	I-20 (US176 TO SC215)	
2020 ADT	67,600	96,700	112,500	
2040 ADT	82,500	118,000	137,300	
TRUCKS	15%	22%	27%	

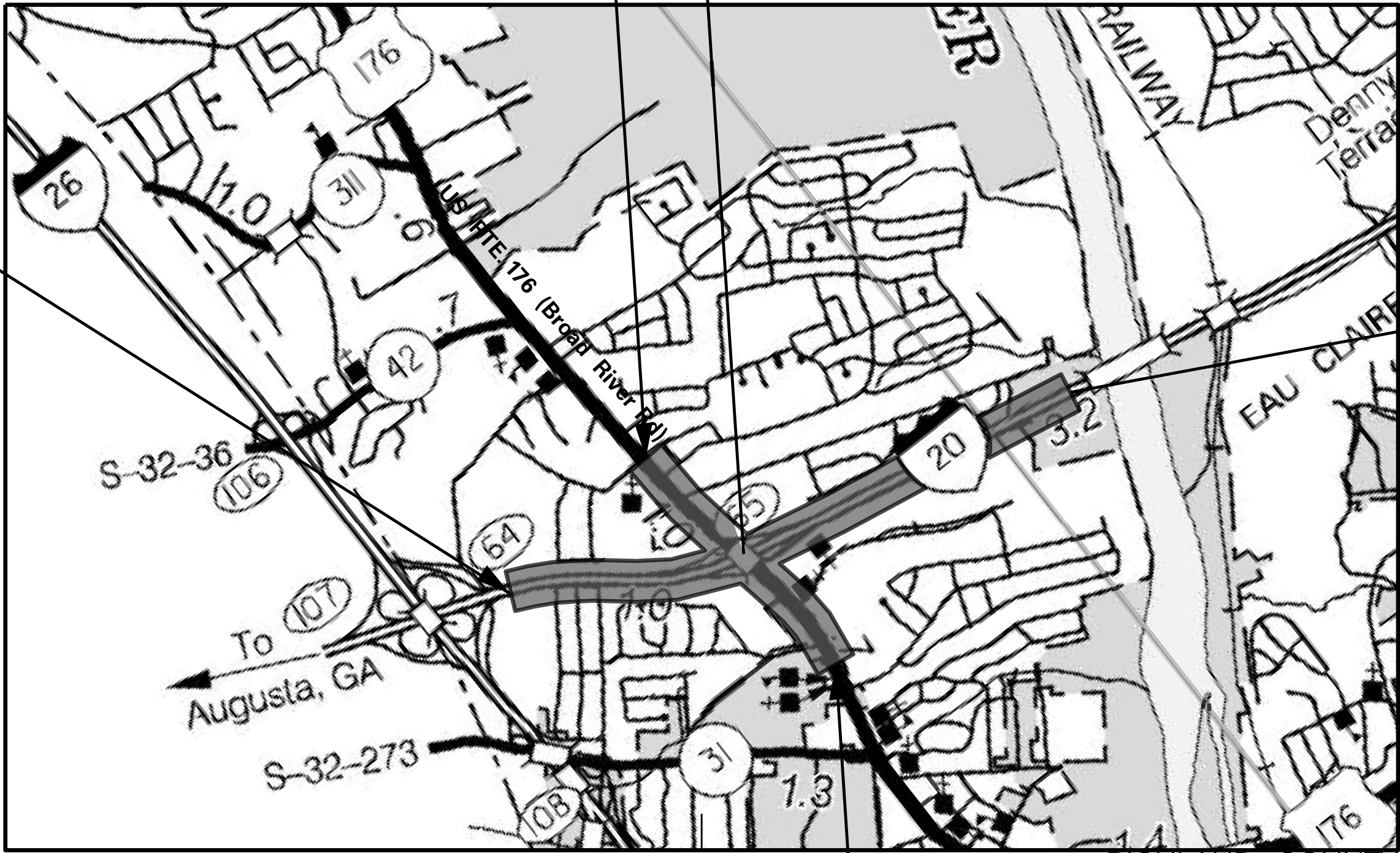
 = PROJECT LOCATION AREA



PRELIMINARY PLANS
RICHLAND COUNTY
PROJECT NO. P039719
CAROLINA CROSSROADS PHASE 2
INTERCHANGE OF I-20 AND
US 176 (BROAD RIVER ROAD)

BEGIN CONSTRUCTION
US 176 (BROAD RIVER ROAD)
STA. 598 + 99.00

CAROLINA CROSSROADS PHASE 2
US 176 (BROAD RIVER ROAD) AT I-20 INTERCHANGE
PROJECT LOCATION AREA



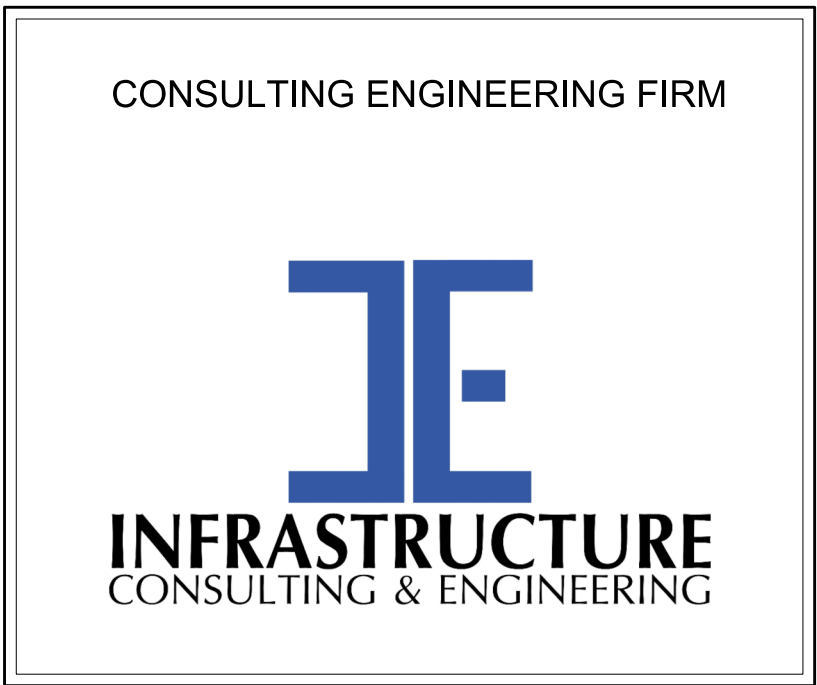
LAYOUT
NOT TO SCALE

END CONSTRUCTION
US 176 (BROAD RIVER ROAD)
STA. 625 + 52.12

	I-20	RAMPS / CD	SIDE ROADS	TOTAL
NET LENGTH OF ROADWAY	1.798	2.408	1.409	5.615
NET LENGTH OF BRIDGES		0.027	0.085	0.112
NET LENGTH OF PROJECT	1.798	2.435	1.494	5.727
LENGTH OF EXCEPTIONS	-	-	-	-
GROSS LENGTH OF PROJECT	1.798	2.435	1.494	5.727

EQUALITIES IN STATIONING
NONE

EXCEPT AS MAY BE OTHERWISE SPECIFIED ON THE PLANS OR IN THE SPECIAL PROVISIONS,
ALL MATERIALS AND WORKMANSHIP ON THIS PROJECT SHALL CONFORM TO THE SOUTH
CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY
CONSTRUCTION (2007 EDITION) AND THE STANDARD DRAWINGS FOR ROAD CONSTRUCTION IN
EFFECT AT THE TIME OF FINAL RFP.



SHEET NO.	TOTAL SHEETS
1	223

NPDES PERMIT INFORMATION	
DISTURBED AREA =	<u> X </u> ACRES
PROJECT AREA =	<u> X </u> ACRES

APPROXIMATE LOCATION OF ROADWAY IS	
BEGIN I-20	
LATITUDE	<u> 34° 02'30.95"N </u>
LONGITUDE	<u> 81° 05'49.29"W </u>
END I-20	
LATITUDE	<u> 34° 02'14.14"N </u>
LONGITUDE	<u> 81° 05'27.75"W </u>
BEGIN US-176	
LATITUDE	<u> 34° 01'36.10"N </u>
LONGITUDE	<u> 81° 06'00.99"W </u>
END US-176	
LATITUDE	<u> 34° 00'53.97"N </u>
LONGITUDE	<u> 81° 05'00.99"W </u>

Hydraulic and NPDES Design
provided by:

INFRASTRUCTURE CONSULTING AND ENGINEERING

Designs may be obtained from the
SCDOT Design-Build Group

For Right Of Way Acquisition:

Consultant Engineer of Record

Date

ENGINEER OF RECORD

PRELIMINARY PLANS
NOT FOR CONSTRUCTION

FOR CONSTRUCTION : _____
DATE _____

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	IL1

INDEX OF SHEETS

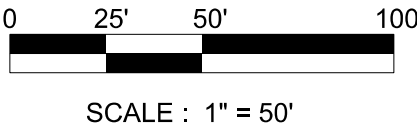
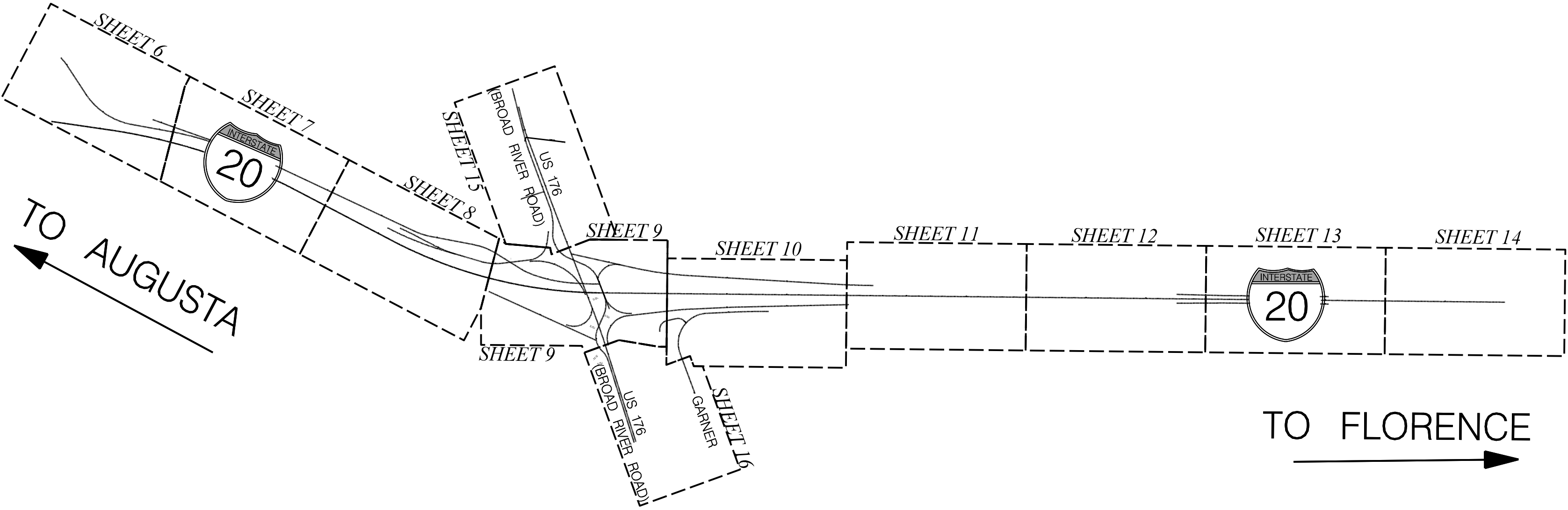
SHEET NO.	DESCRIPTION	SHEETS
1	TITLE SHEET	1
2	SUMMARY OF ESTIMATED QUANTITIES	OMITTED
IL1	INDEX \ LAYOUT SHEET	1
3 - 3G	TYPICAL SECTIONS	8
4 - 4Z	ROW DATA SHEET AND PROPERTY STRIP MAP	OMITTED
5	GENERAL CONSTRUCTION NOTES	1
5A	SURVEY CONTROL POINTS	1
5B - 5K	REFERENCE DATA SHEETS	10
6 - 25	PLAN AND PROFILE SHEETS	28
26 - 28	TOC ELEVATIONS, PED. RAMPs AND PAVEMENT SLOPE DETAILS	3
29	BRIDGE 42 PAVEMENT SLOPE DETAILS SHEET	1
30 - 32	TOP OF CURB PROFILE SHEETS	3
D5	GENERAL DRAINAGE NOTES	1
D6 - D16A	DRAINAGE PLAN SHEETS	20
TC1 - TC#	TRAFFIC CONTROL SHEETS	###
E1 - E#	ELECTRICAL AND LIGHTING PLANS	OMITTED
PM1 - PM#	PAVEMENT MARKING PLANS	OMITTED
SN1 - SN#	SIGNING PLANS	OMITTED
TS1 - TS#	TRAFFIC SIGNAL PLANS	OMITTED
S1 - S#	ROADWAY STRUCTURE PLANS	OMITTED
G1	GEOTECHNICAL DETAILS	OMITTED
EC1 - EC2	EROSION CONTROL DATA SHEETS	2
EC5 - EC16	EROSION CONTROL PLANS	12
X1-1	CROSS SECTIONS INDEX SHEET	1
X1 - X112	CROSS SECTIONS	112
XP1 - XP18	CROSS SECTIONS CROSS LINE PIPES	18

TOTAL SHEETS 223

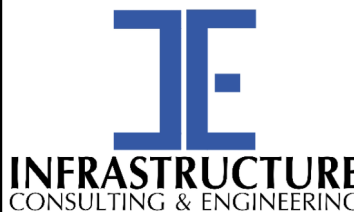
(SEE PROJECT ID P027662 FOR RW INFORMATION)

(TO BE SUBMITTED AT A LATER DATE)
(TO BE SUBMITTED AT A LATER DATE)
(TO BE SUBMITTED AT A LATER DATE)
(TO BE SUBMITTED AT A LATER DATE)
(TO BE SUBMITTED AT A LATER DATE)
(TO BE SUBMITTED AT A LATER DATE)

(SHEETS EC3-EC4 OMITTED)



ALIGNMENT CONTROL CAN BE FOUND ON
REFERENCE DATA SHEET



PRELIMINARY
NOT FOR CONSTRUCTION

SCALE: 1" = 50'

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

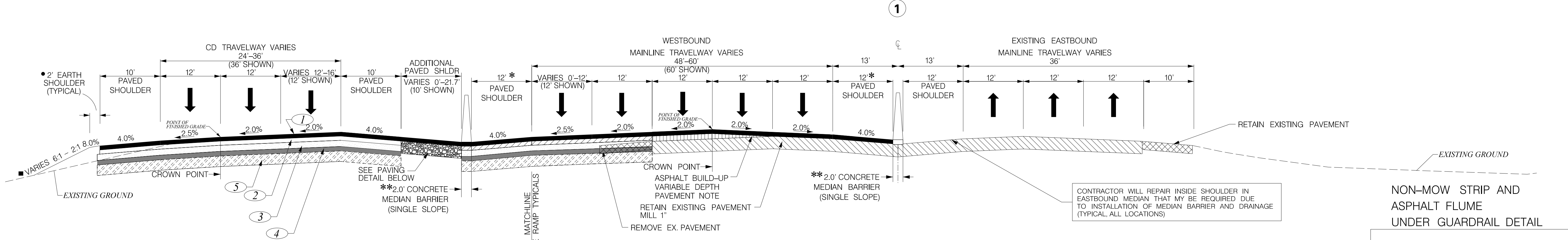
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

CAROLINA CROSSROADS PHASE 2

INDEX /LAYOUT SHEET

TYPICAL SECTION OF IMPROVEMENT
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
COLUMBIA, S.C.

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	3



INTERSTATE 20 MAINLINE WITH COLLECTOR-DISTRIBUTOR LANES (I-20 CDW1)
STA. 170 + 34.70 TO STA. 188 + 39.96 WESTBOUND

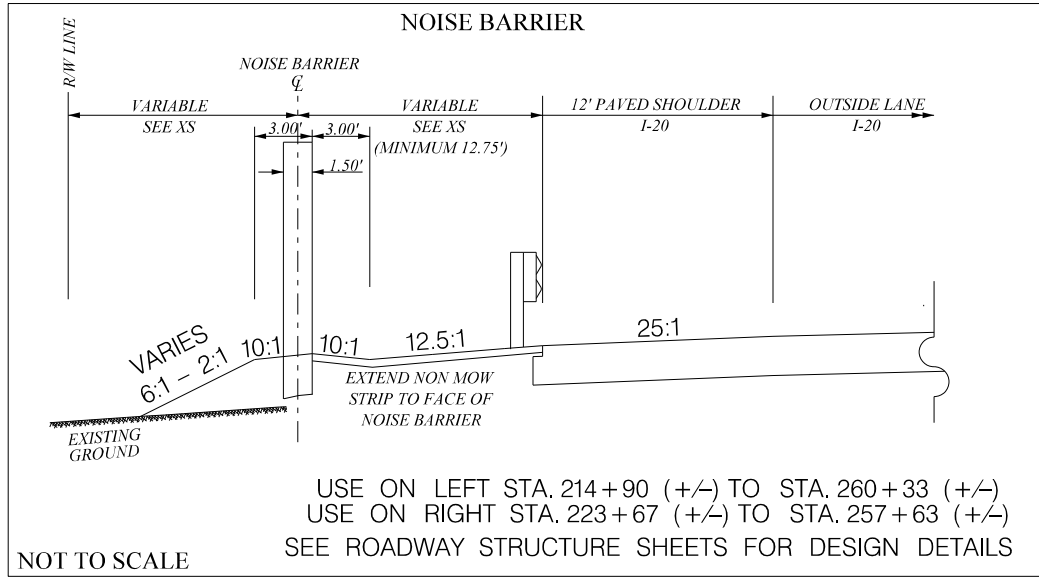
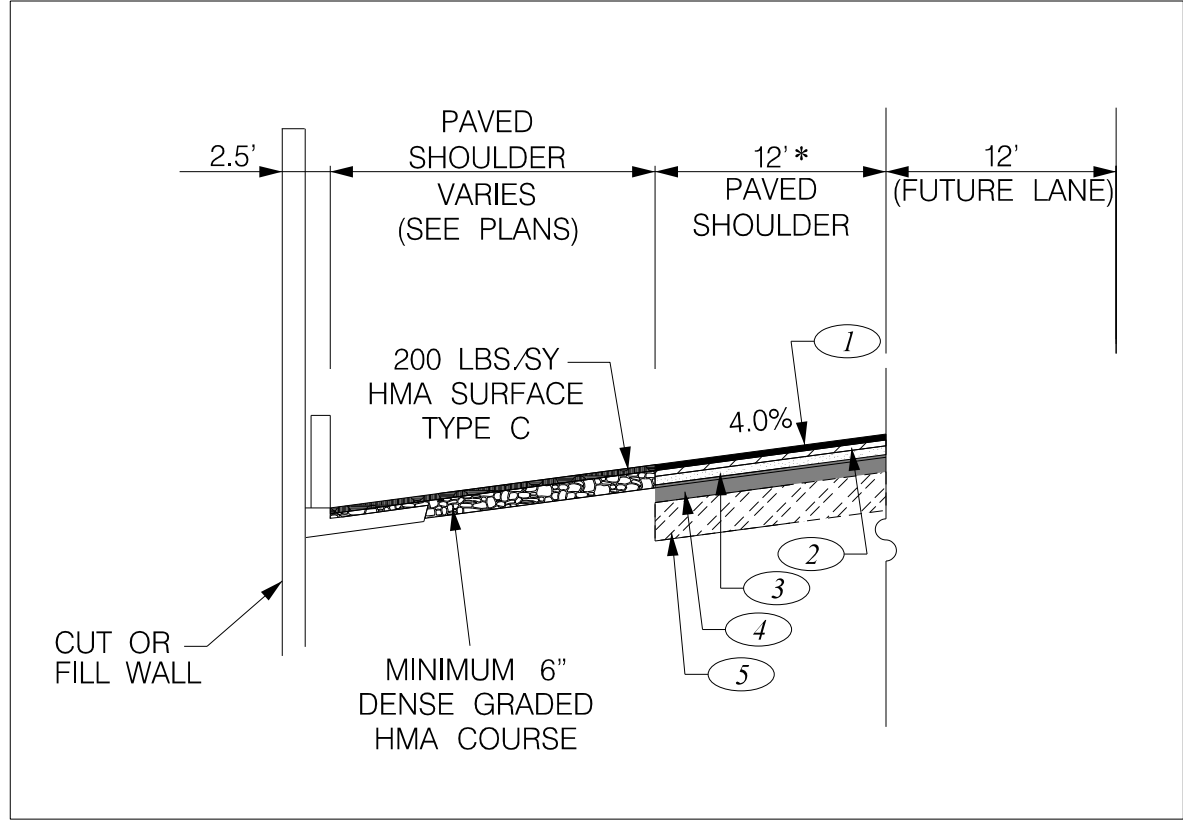
** USE 56" SINGLE SLOPE STANDARD REINFORCED CONCRETE BARRIER WHEN THE DIFFERENCE IN ELEVATIONS OF EASTBOUND AND WESTBOUND INSIDE SHOULDERS ADJACENT TO THE MEDIAN BARRIER ARE GREATER THAN 18" THE CONTRACTOR SHALL USE A DESIGN WALL.

* PLACE MILLED IN RUMBLE STRIPS IN ACCORDANCE WITH STD. DWGS. 401-205-01 AND 401-205-02

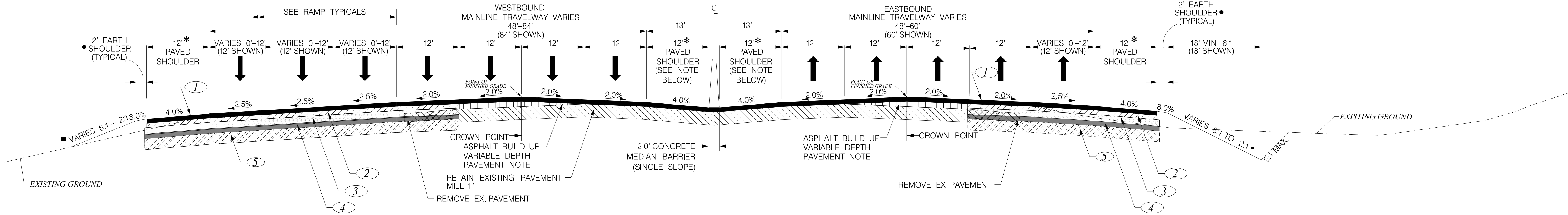
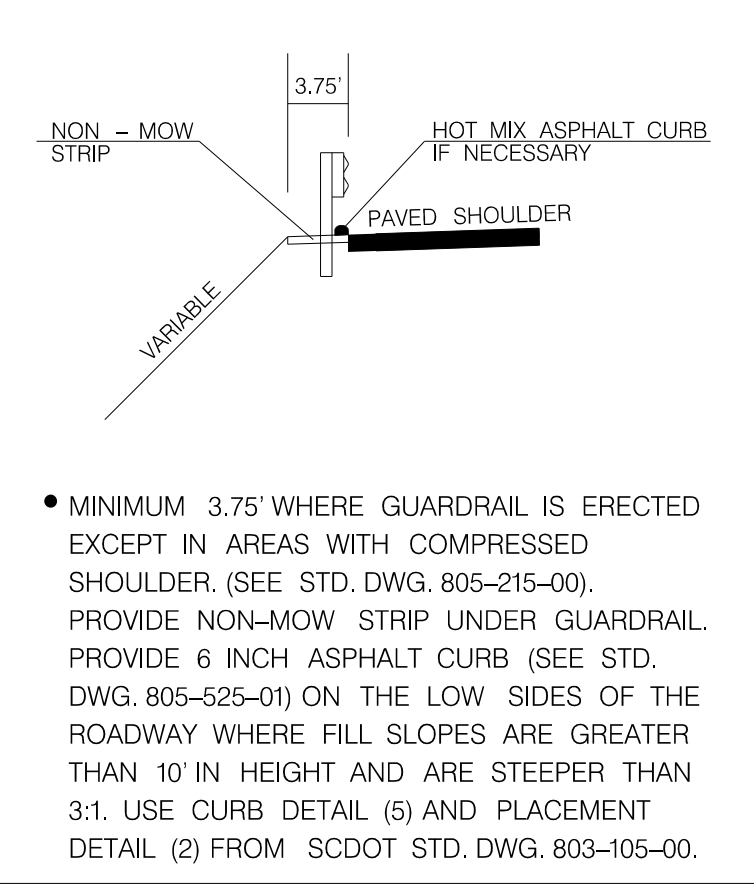
■ USE 6:1 SLOPE (0' - 5')
4:1 SLOPE (5' - 10')
2:1 SLOPE (10' - OVER)

SEE "S" SHEETS FOR DETAIL OF VERTICAL FACE BARRIER AND CUT/FILL WALLS.

PAVING DETAIL FOR USE WHEN BARRIER IS NOT DIRECTLY ADJACENT TO SHOULDER



NON-MOW STRIP AND ASPHALT FLUME UNDER GUARDRAIL DETAIL



INTERSTATE 20 MAINLINE WITH MEDIAN BARRIER WALL

STA. 188 + 39.96 TO STA. 240 + 97.05 WESTBOUND
STA. 197 + 97.81 TO STA. 213 + 66.70 EASTBOUND

NOTE:
THERE IS AN APPROVED DESIGN EXCEPTION FOR SUBSTANDARD INSIDE SHOULDER WIDTHS ON I-20 AT THE US 176 OVERPASS. THE INSIDE SHOULDER AT BRIDGE COLUMNS IS ALLOWED TO BE REDUCED FROM 12' TO 9.25'.

FUNCTIONAL CLASSIFICATION: URBAN ARTERIAL
FREEWAY

SEE TABLES ON SHEET 3G FOR
PAVEMENT DESIGN OPTIONS

I-20	DESIGN SPEED	
	MPH	FROM STA. TO STA.
60	170 + 34.70	264 + 97.26
I-20 CD: 45	170 + 34.70	204 + 36.65
EXCEPTIONS TO DESIGN SPEED		



PRELIMINARY
NOT FOR CONSTRUCTION

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

CAROLINA CROSSROADS PHASE 2

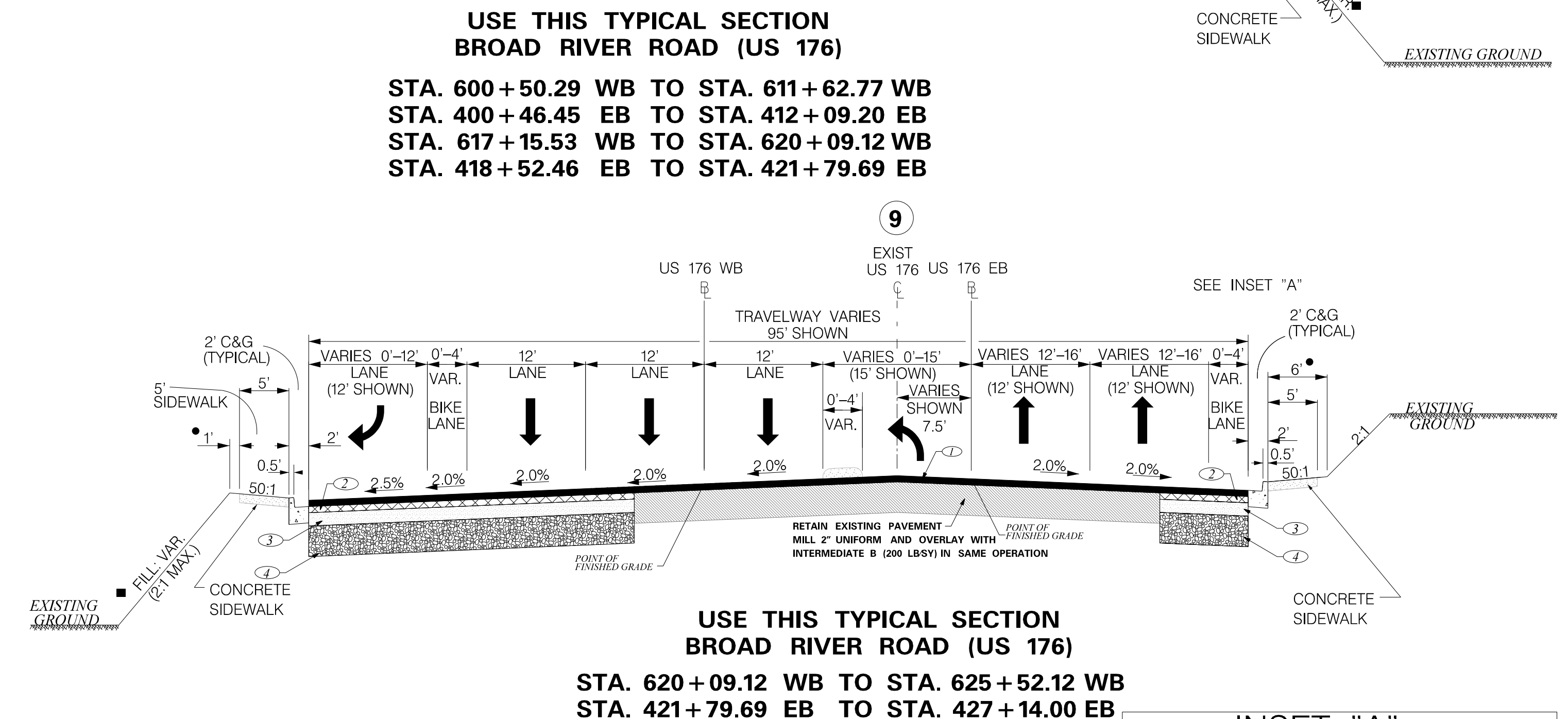
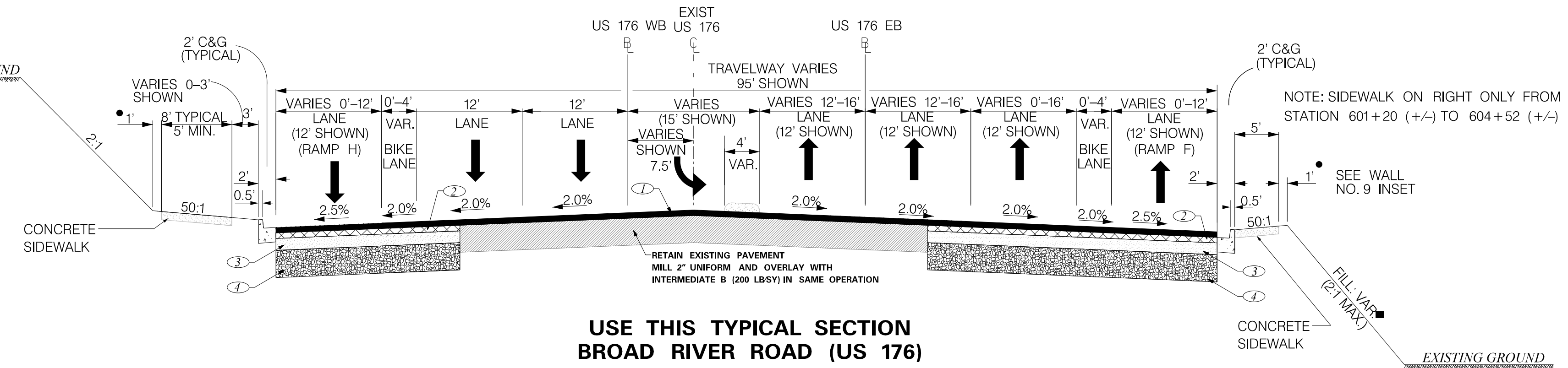
TYPICAL SECTION
SHEET

The diagram shows a cross-section of a barrier. The base is a horizontal line labeled $12.00'$ with a double-headed arrow below it. The left side is a slope labeled $4:1$ SLOPE. The top of the barrier is a horizontal line labeled $TOP\ OF\ BARRIER$ with an arrow pointing to it. The right side is a vertical line labeled $3.50'$ with a double-headed arrow to its left. The bottom left corner is labeled $0.50'$ with a double-headed arrow to its right. The barrier has a decorative, notched end on the right.

NOTE:
CURB RAMPS ARE TO BE CONSTRUCTED IN
ACCORDANCE WITH THE SCDOT STANDARD DRAWINGS.

- USE 6:1 SLOPE (0' - 5')
- 4:1 SLOPE (5' - 10')
- 2:1 SLOPE (10' - OVER)
- 2:1 SLOPE (WETLAND AREAS)

** DETAIL OF BARRIER TRANSITION AT DDI
 SEE PLAN SHEETS FOR LOCATIONS
 SEE ROADWAY STRUCTURE SHEETS
 FOR DETAILS AND REINFORCING



MPH	FROM STA.	TO STA
45	598+99.00	627+70.10
US 176 EB		
45	398+99.00	429+32.08
EXCEPTIONS TO DESIGN SPEED		

ARCHER UNITED
JOINT VENTURE   **UNITED**
INFRASTRUCTURE CONSULTING & ENGINEERING

N.T.S.

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION

TYPICAL SECTION
SHEET

TYPICAL SECTION OF IMPROVEMENT
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
COLUMBIA, S.C.

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	3C

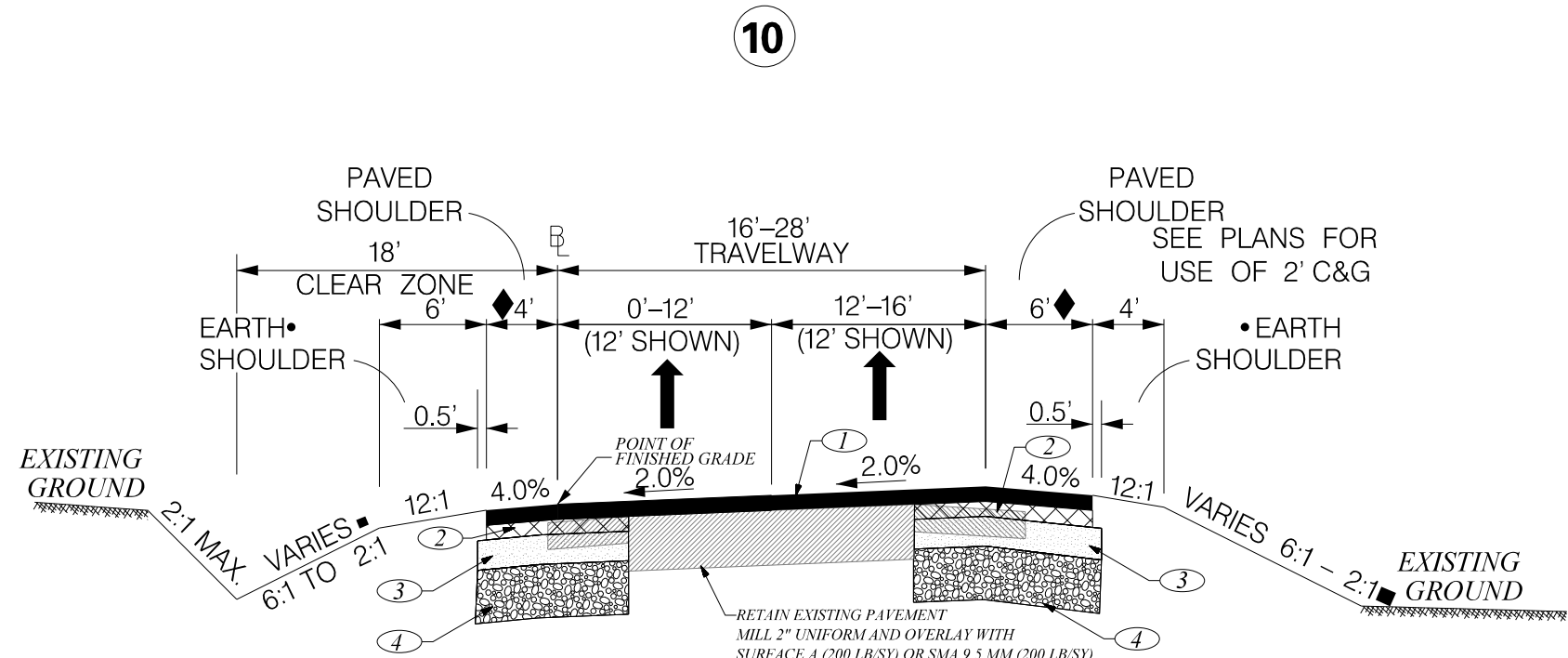
* PLACE MILLED IN RUMBLE STRIPS IN ACCORDANCE WITH STD. DWGS. 401-205-01 AND 401-205-02

- USE 6:1 SLOPE (0' - 5')
- 4:1 SLOPE (5' - 10')
- 2:1 SLOPE (10' - OVER)

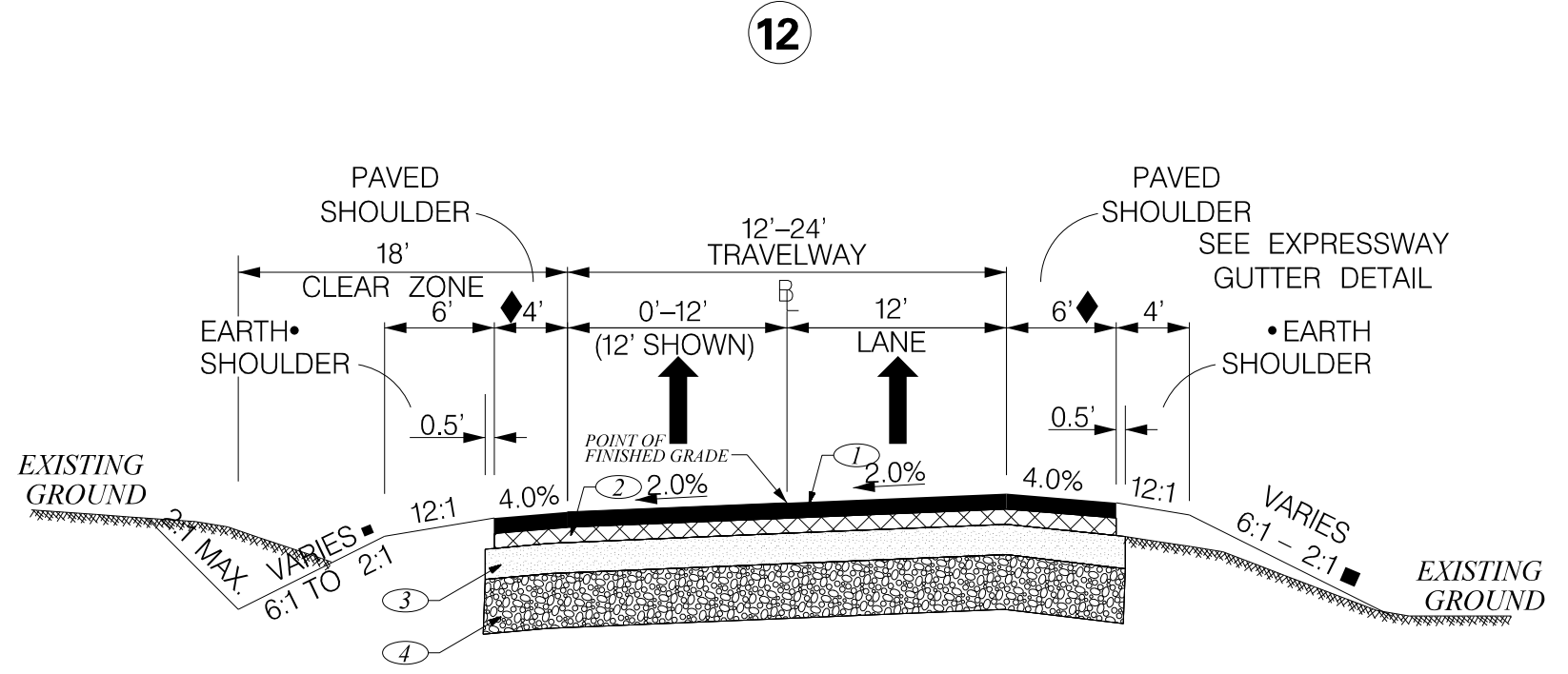
- ADD 3.75' WHERE GUARDRAIL IS ERECTED EXCEPT IN AREAS WITH COMPRESSED SHOULDER STD. DWG. 805-215-00

✂ SEE "S" SHEETS FOR DETAIL OF VERTICAL FACE BARRIER AND CUT/FILL WALLS.

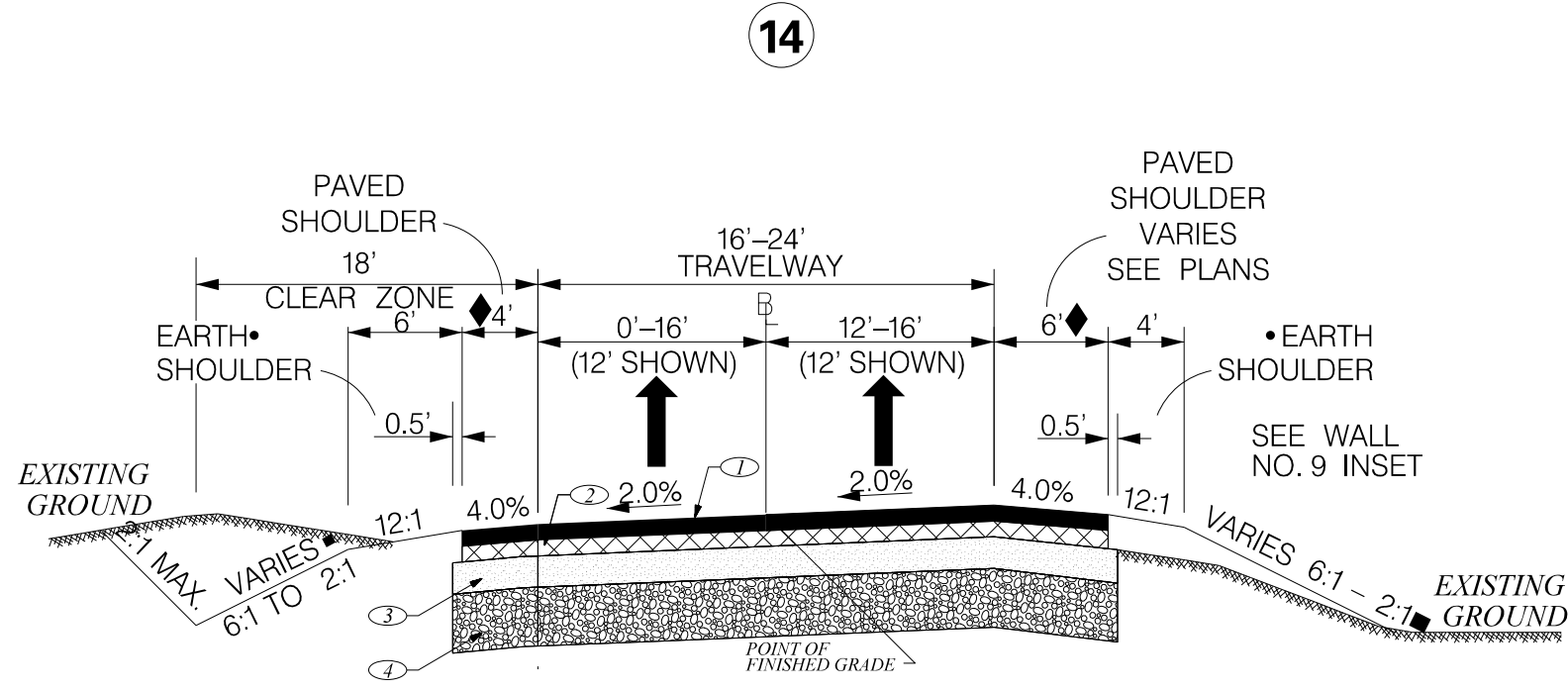
◆ SEE CUT/FILL WALL INSET.



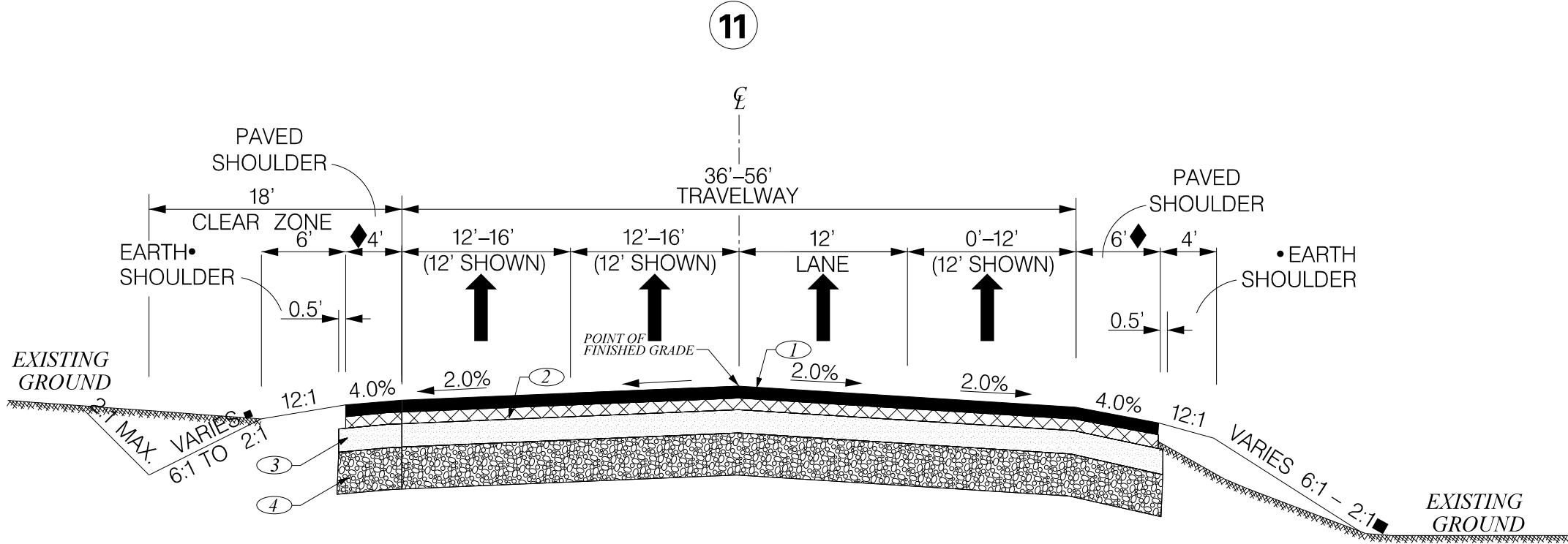
USE THIS TYPICAL SECTION
RAMP E STA. 202+11.74 TO STA. 205+94.79



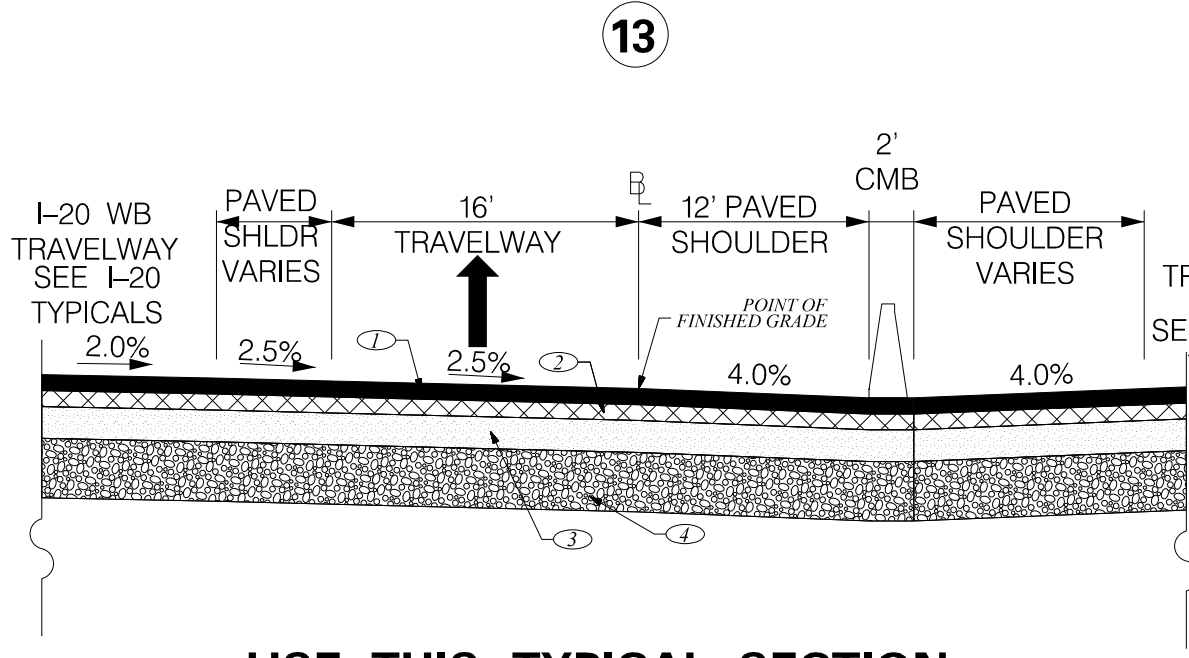
USE THIS TYPICAL SECTION
RAMP E STA. 211+87.13 TO STA. 227+22.44



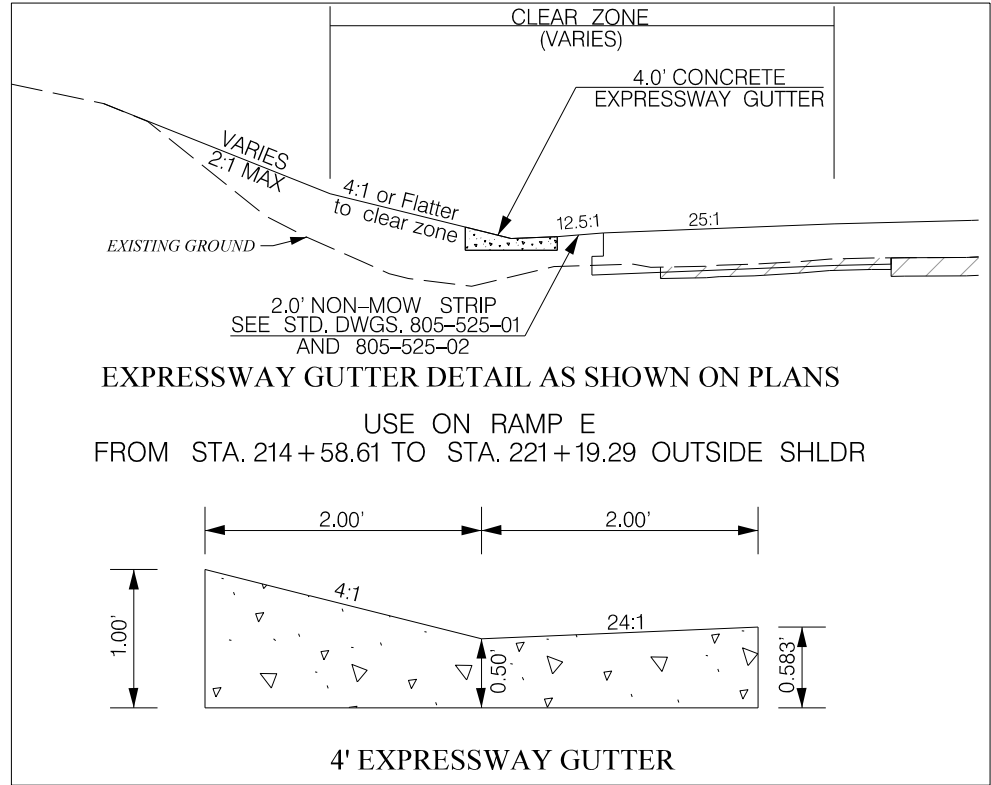
USE THIS TYPICAL SECTION
RAMP F STA. 390+63.30 TO STA. 401+06.85
NOTE: SEE PLANS FOR BEGIN AND END BRIDGE



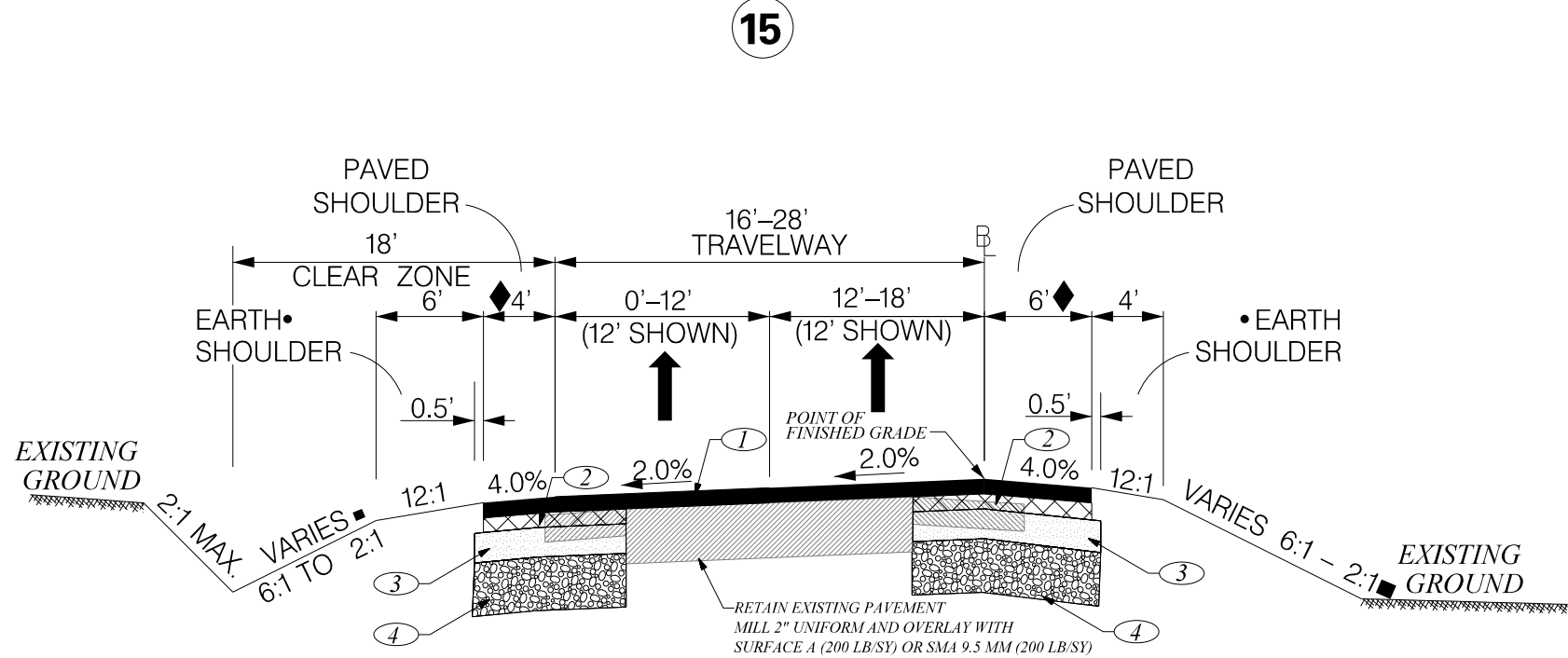
USE THIS TYPICAL SECTION
RAMP E STA. 205+94.79 TO STA. 211+87.13



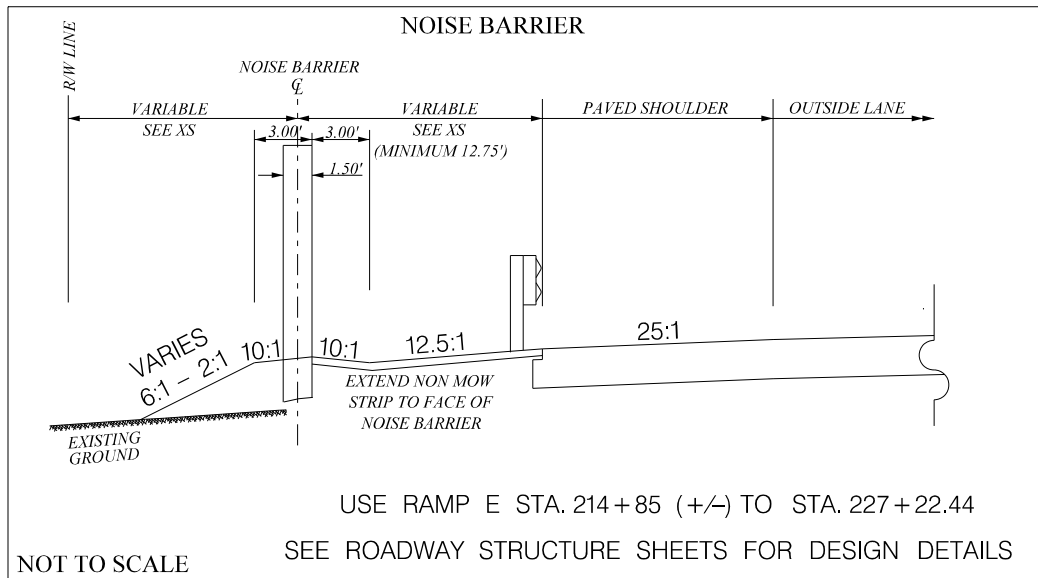
USE THIS TYPICAL SECTION
RAMP F STA. 385+48.05 TO STA. 390+63.30



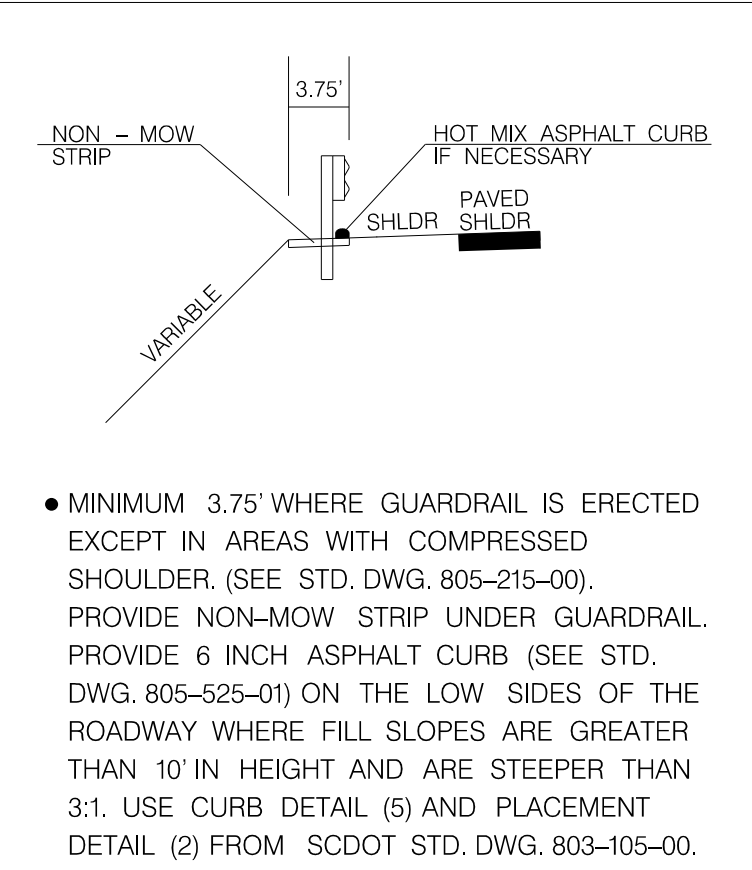
NOTE: TYPICAL SECTIONS ARE LOOKING IN DIRECTION OF TRAFFIC AND NOT NECESSARILY IN DIRECTION OF SURVEY.



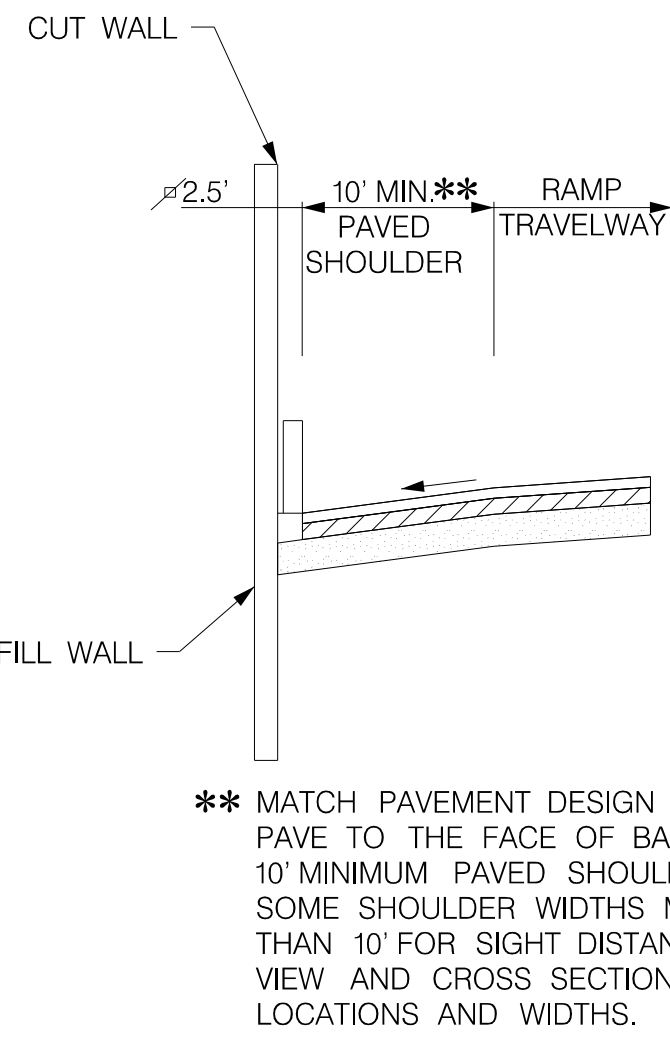
USE THIS TYPICAL SECTION
RAMP G STA. 195+27.54 TO STA. 202+31.18



NON-MOW STRIP AND ASPHALT FLUME UNDER GUARDRAIL DETAIL



◆ CUT/FILL WALL INSET



FUNCTIONAL CLASSIFICATION:
URBAN ARTERIAL FREEWAY RAMPS

SEE TABLES ON SHEET 3G FOR
PAVEMENT DESIGN OPTIONS

RTE.	DESIGN SPEED			
RAMP	MPH	FROM STA.	TO STA.	
E	40	202+11.74	227+22.44	
F	40	385+48.05	401+06.85	
G	40	195+27.54	202+31.18	



PRELIMINARY
NOT FOR CONSTRUCTION

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

CAROLINA CROSSROADS PHASE 2

TYPICAL SECTION
SHEET

Z:\Projects\20-81CCR Ph. 2\Roadway\PLANS\20-81-3C.TYPICAL SECTIONS.dgn 4/14/2022

TYPICAL SECTION OF IMPROVEMENT
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
COLUMBIA, S.C.

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	3D

* PLACE MILLED IN RUMBLE STRIPS IN ACCORDANCE WITH STD. DWGS. 401-205-01 AND 401-205-02

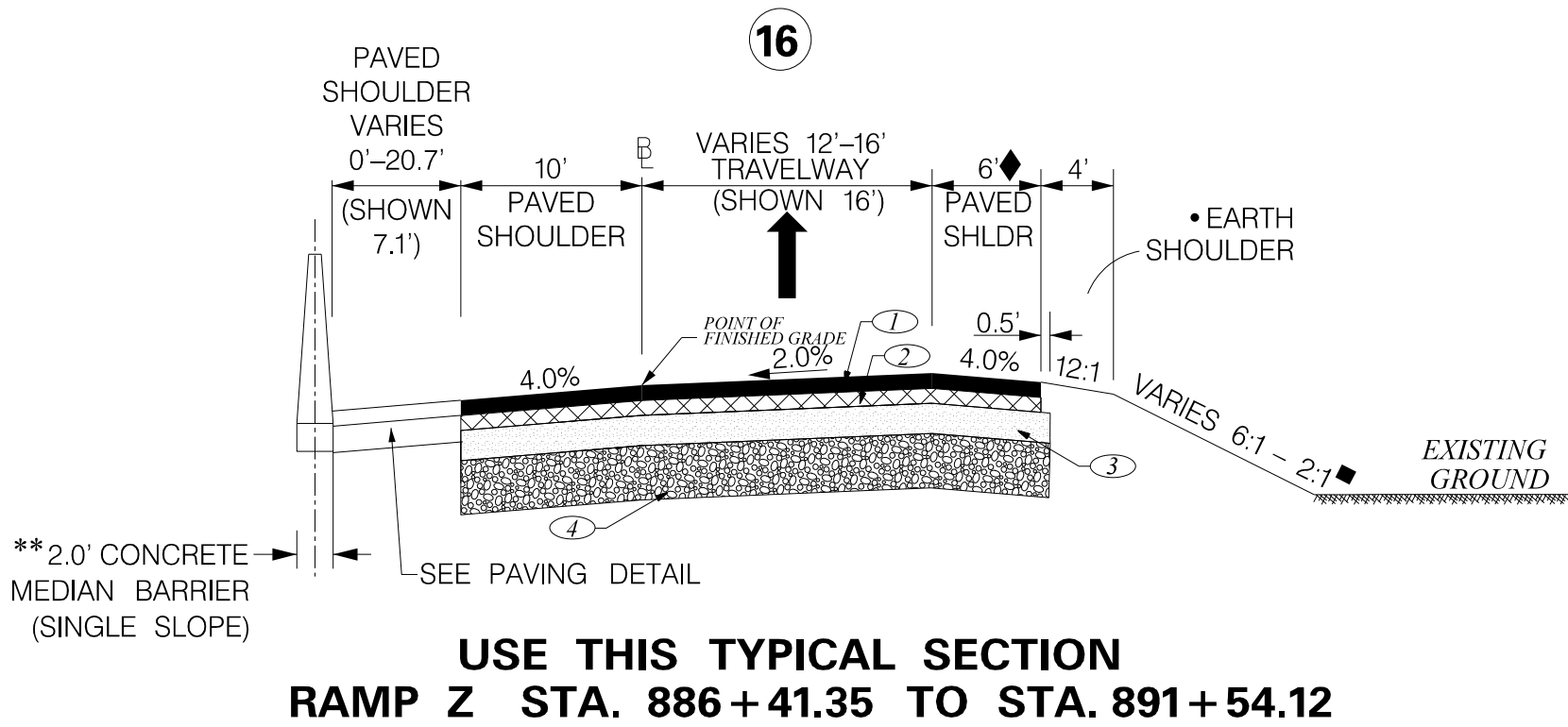
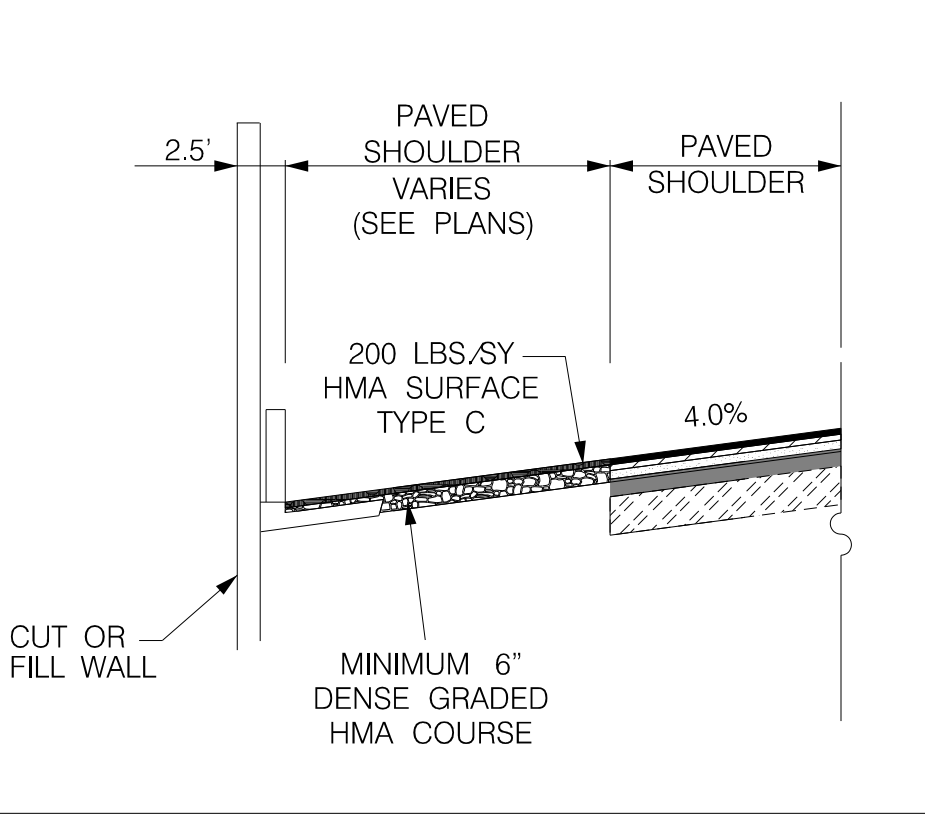
- USE 6:1 SLOPE (0' - 5')
- 4:1 SLOPE (5' - 10')
- 2:1 SLOPE (10' - OVER)

- ADD 3.75' WHERE GUARDRAIL IS ERECTED EXCEPT IN AREAS WITH COMPRESSED SHOULDER STD. DWG. 805-215-00

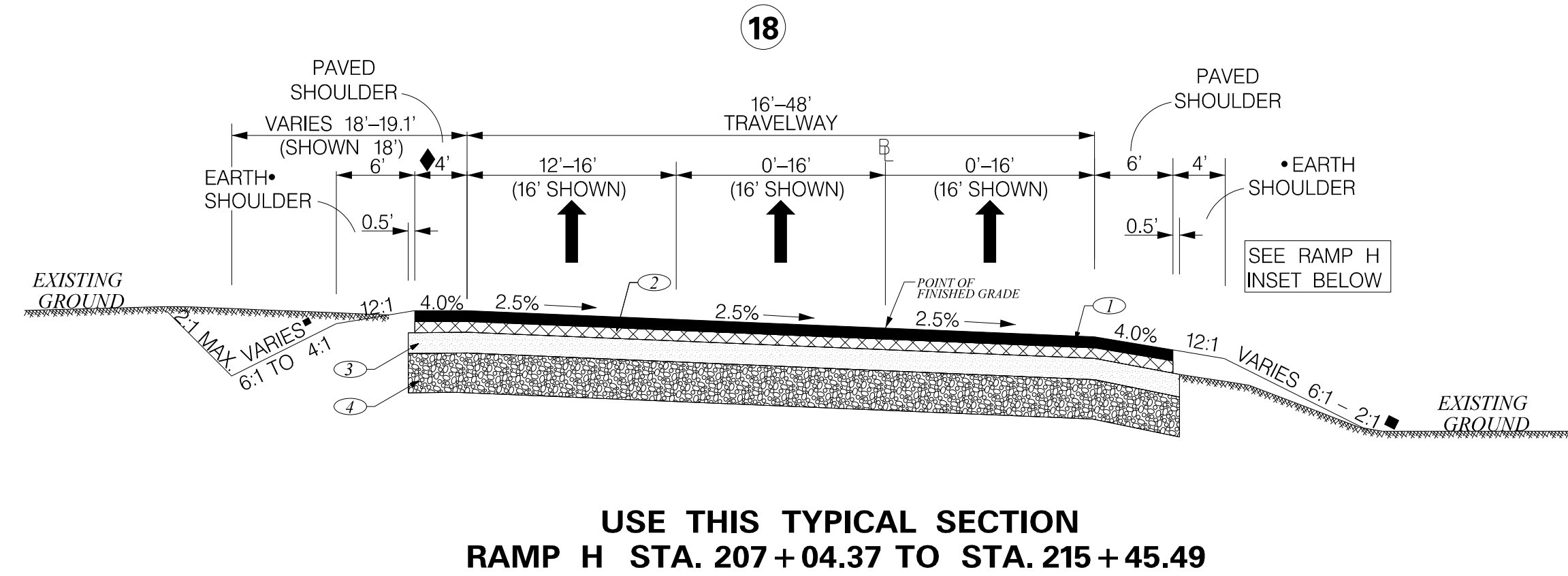
SEE "S" SHEETS FOR DETAIL OF VERTICAL FACE BARRIER AND CUT/FILL WALLS.

SEE CUT/FILL WALL INSET.

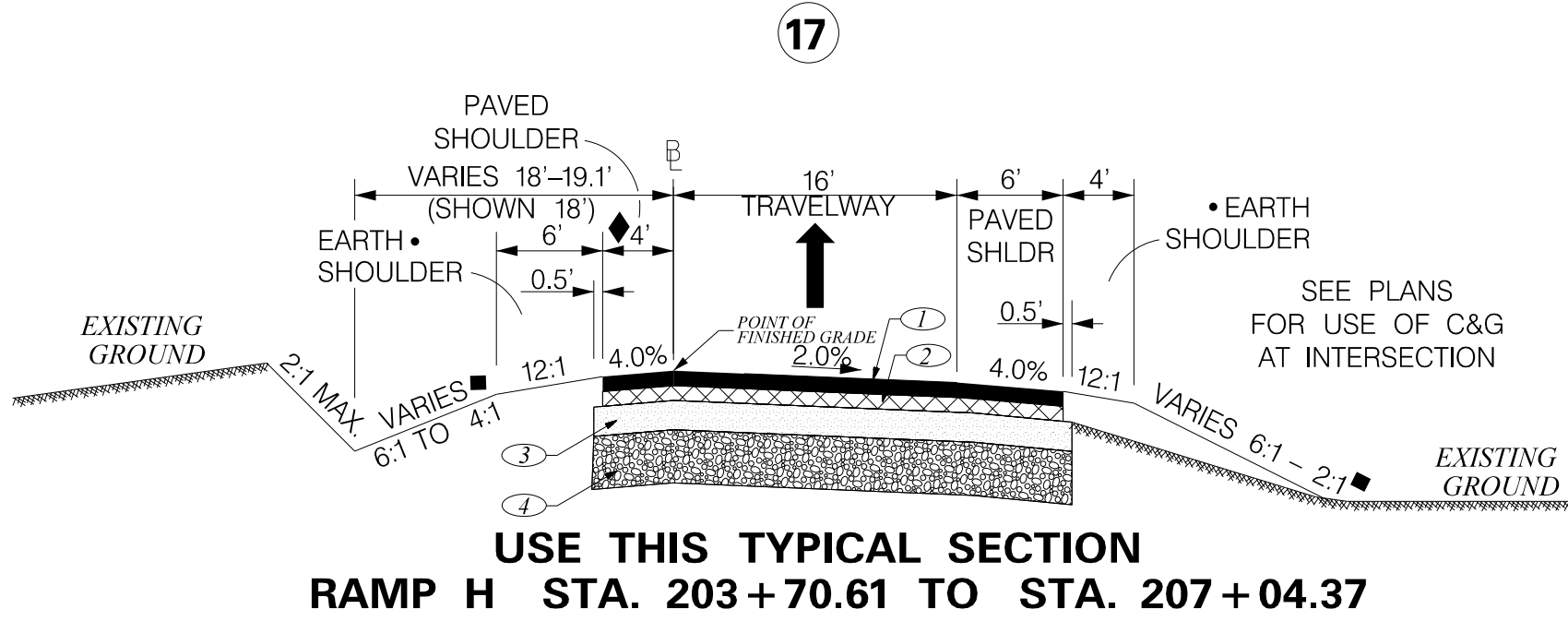
PAVING DETAIL FOR USE WHEN BARRIER IS NOT DIRECTLY ADJACENT TO SHOULDER



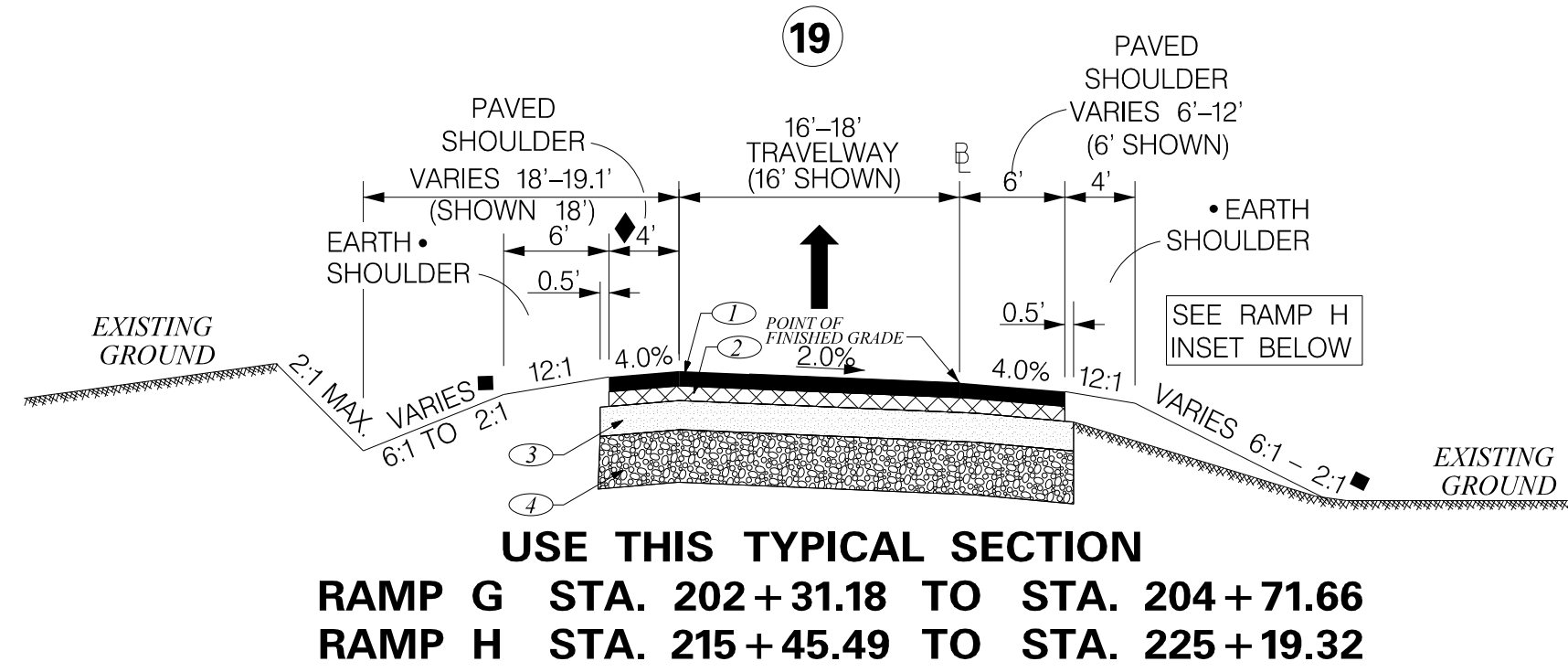
USE THIS TYPICAL SECTION
RAMP Z STA. 886+41.35 TO STA. 891+54.12



USE THIS TYPICAL SECTION
RAMP H STA. 207+04.37 TO STA. 215+45.49



USE THIS TYPICAL SECTION
RAMP H STA. 203+70.61 TO STA. 207+04.37



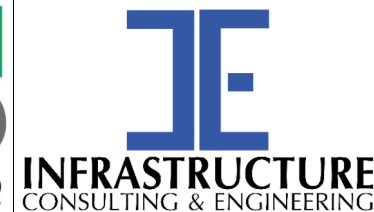
USE THIS TYPICAL SECTION
RAMP G STA. 202+31.18 TO STA. 204+71.66
RAMP H STA. 215+45.49 TO STA. 225+19.32

NOTE: TYPICAL SECTIONS ARE LOOKING IN DIRECTION OF TRAFFIC AND NOT NECESSARILY IN DIRECTION OF SURVEY.

FUNCTIONAL CLASSIFICATION:
URBAN ARTERIAL FREEWAY RAMPS

SEE TABLES ON SHEET 3G FOR
PAVEMENT DESIGN OPTIONS

RTE.	DESIGN SPEED			
RAMP	MPH	FROM STA.	TO STA.	
G	40	202 + 31.18	204 + 71.66	
H	40	207 + 04.37	225 + 19.32	
Z	40	880 + 68.37	890 + 55.51	



PRELIMINARY
NOT FOR CONSTRUCTION

N.T.S.

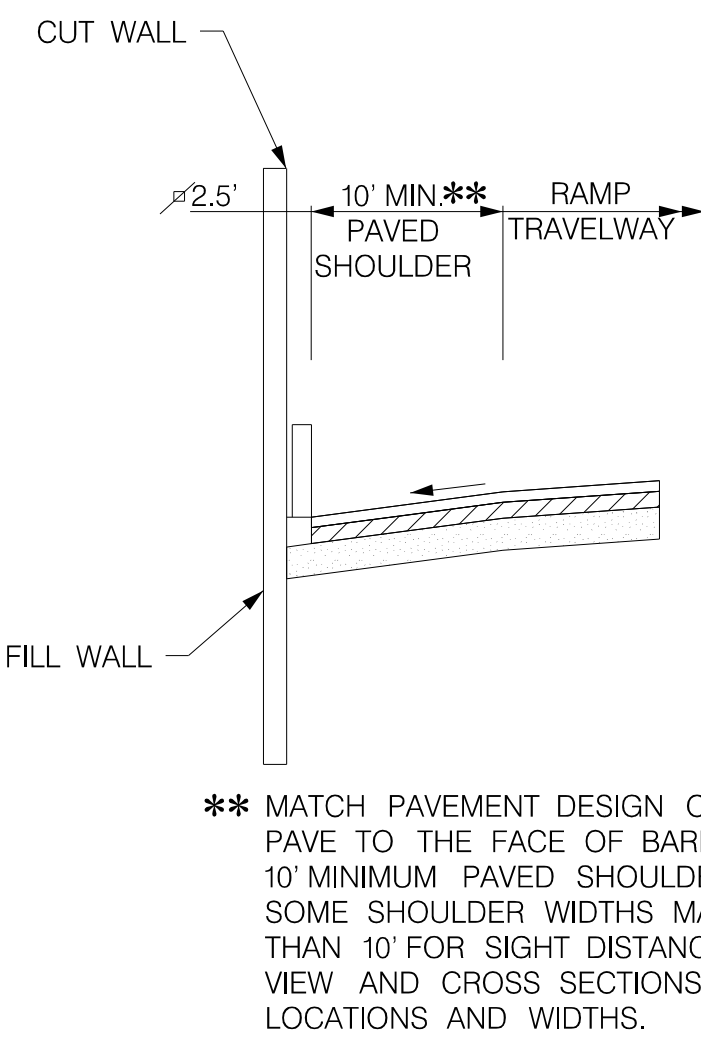
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

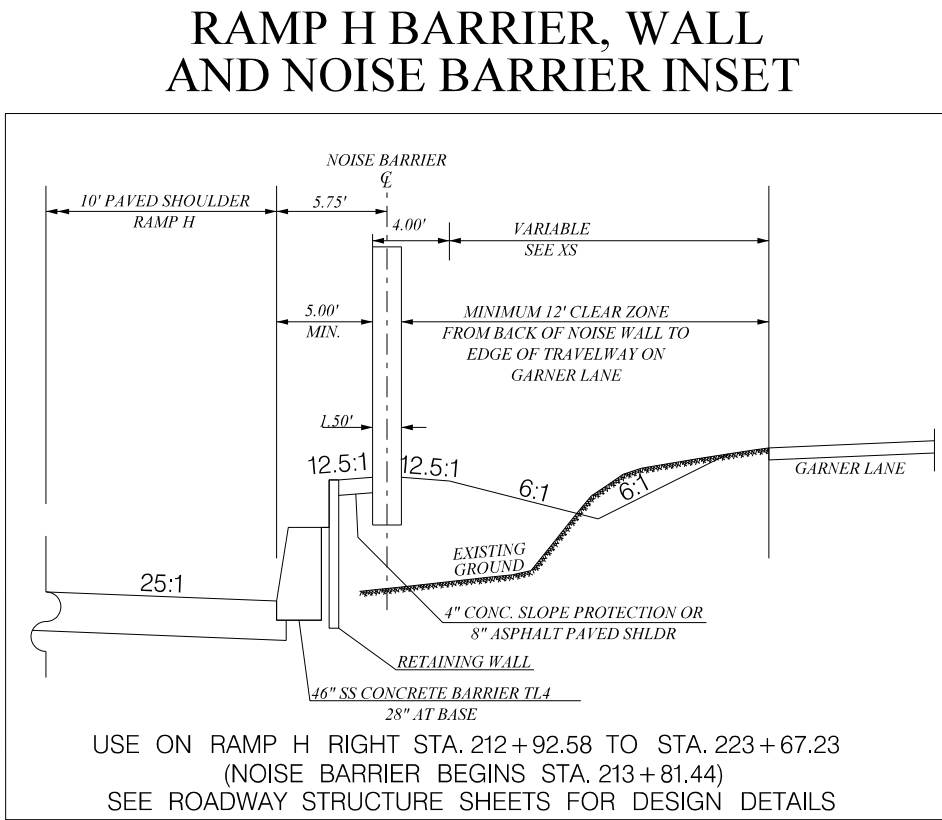
CAROLINA CROSSROADS PHASE 2

TYPICAL SECTION
SHEET

♦ CUT/FILL WALL INSET



NON-MOW STRIP AND
ASPHALT FLUME
UNDER GUARDRAIL DETAIL



- MINIMUM 3.75' WHERE GUARDRAIL IS ERECTED EXCEPT IN AREAS WITH COMPRESSED SHOULDER. (SEE STD. DWG. 805-215-00).
- PROVIDE NON-MOW STRIP UNDER GUARDRAIL. PROVIDE 6 INCH ASPHALT CURB (SEE STD. DWG. 805-525-01) ON THE LOW SIDES OF THE ROADWAY WHERE FILL SLOPES ARE GREATER THAN 10' IN HEIGHT AND ARE STEEPER THAN 3:1. USE CURB DETAIL (6) AND PLACEMENT DETAIL (2) FROM SCDOT STD. DWG. 803-105-00.

TYPICAL SECTION OF IMPROVEMENT
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
COLUMBIA, S.C.

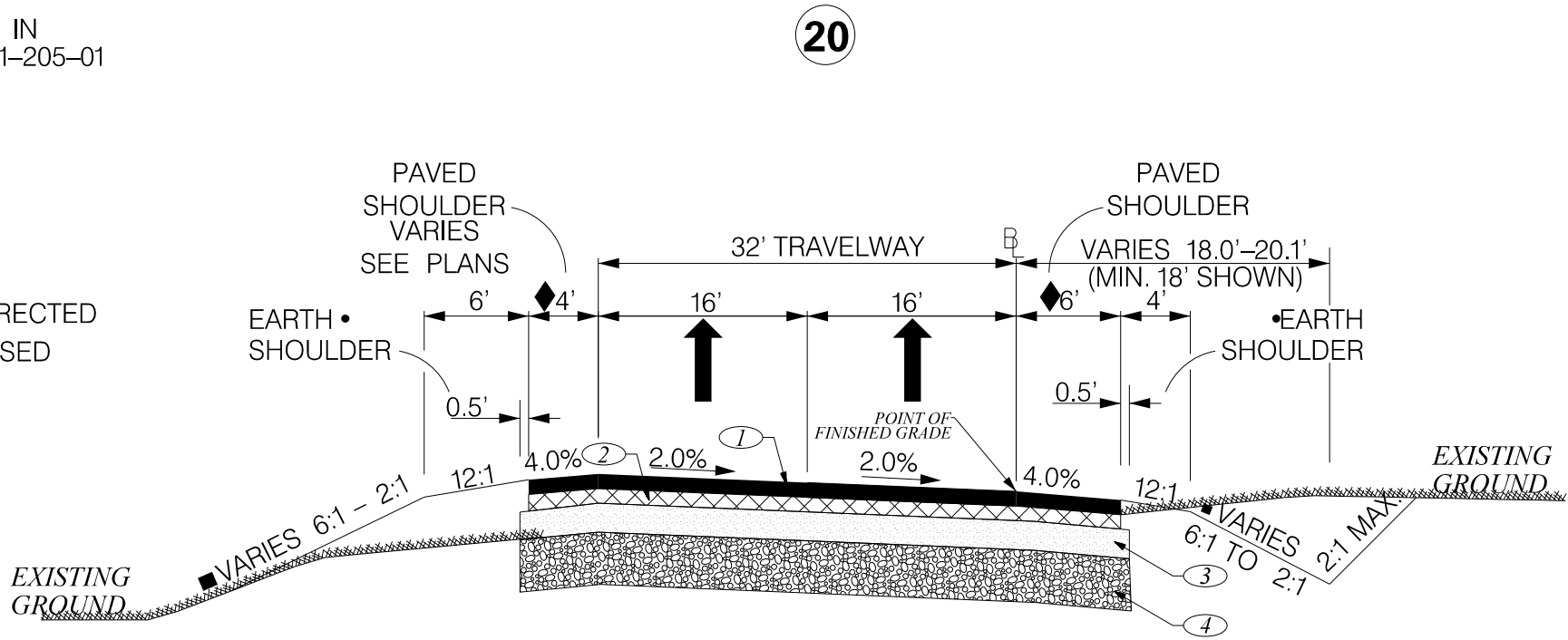
FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	3E

* PLACE MILLED IN RUMBLE STRIPS IN ACCORDANCE WITH STD. DWGS. 401-205-01 AND 401-205-02

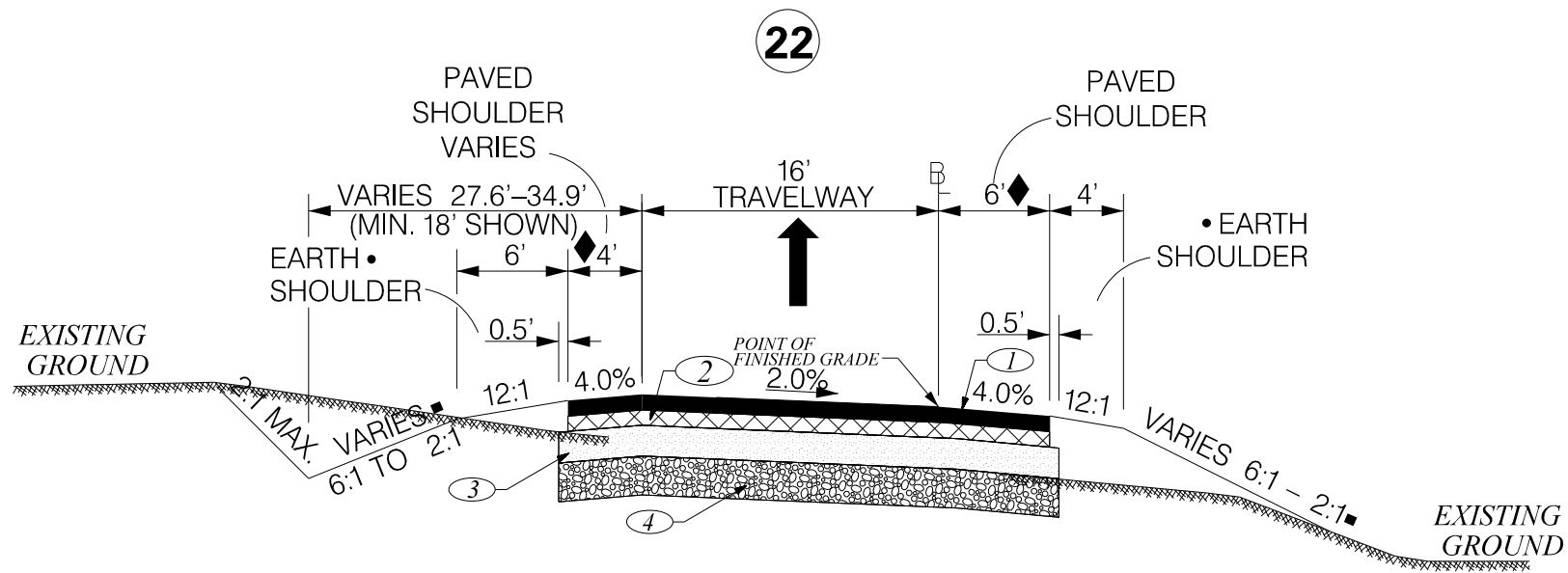
- USE 6:1 SLOPE (0' - 5')
- 4:1 SLOPE (5' - 10')
- 2:1 SLOPE (10' - OVER)

- ADD 3.75' WHERE GUARDRAIL IS ERECTED EXCEPT IN AREAS WITH COMPRESSED SHOULDER STD. DWG. 805-215-00

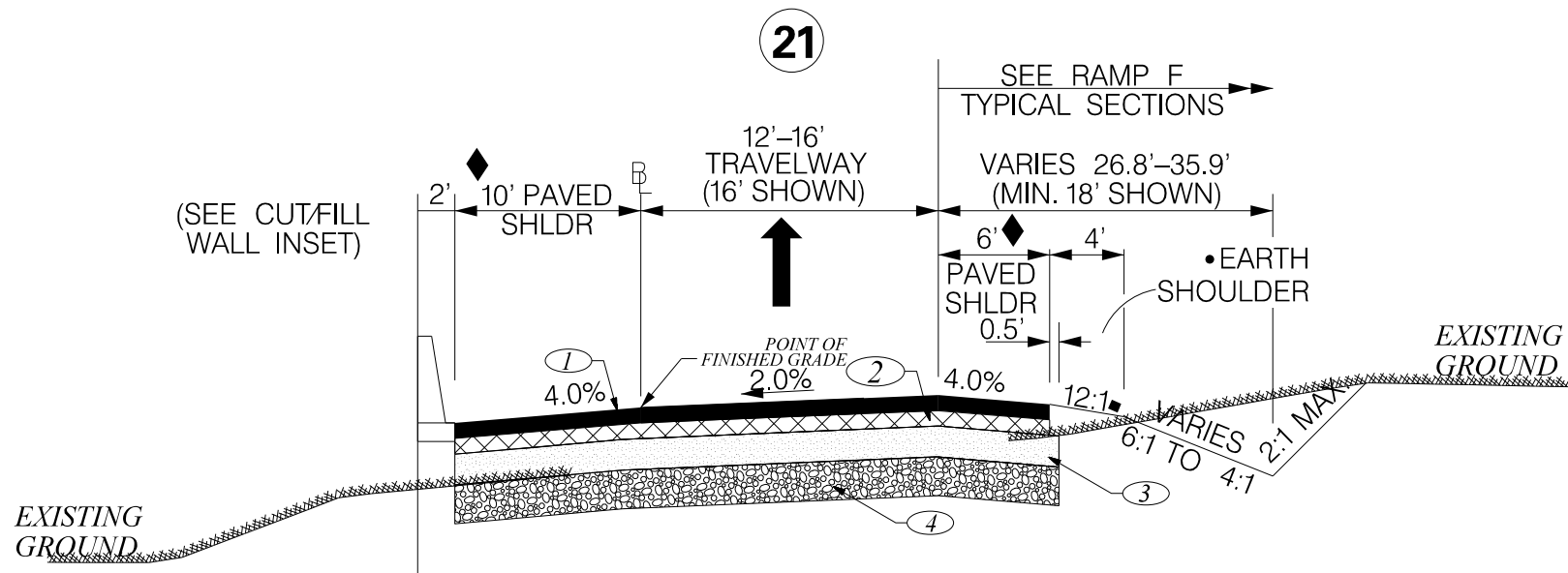
SEE "S" SHEETS FOR DETAIL OF VERTICAL FACE BARRIER AND CUT/FILL WALLS.



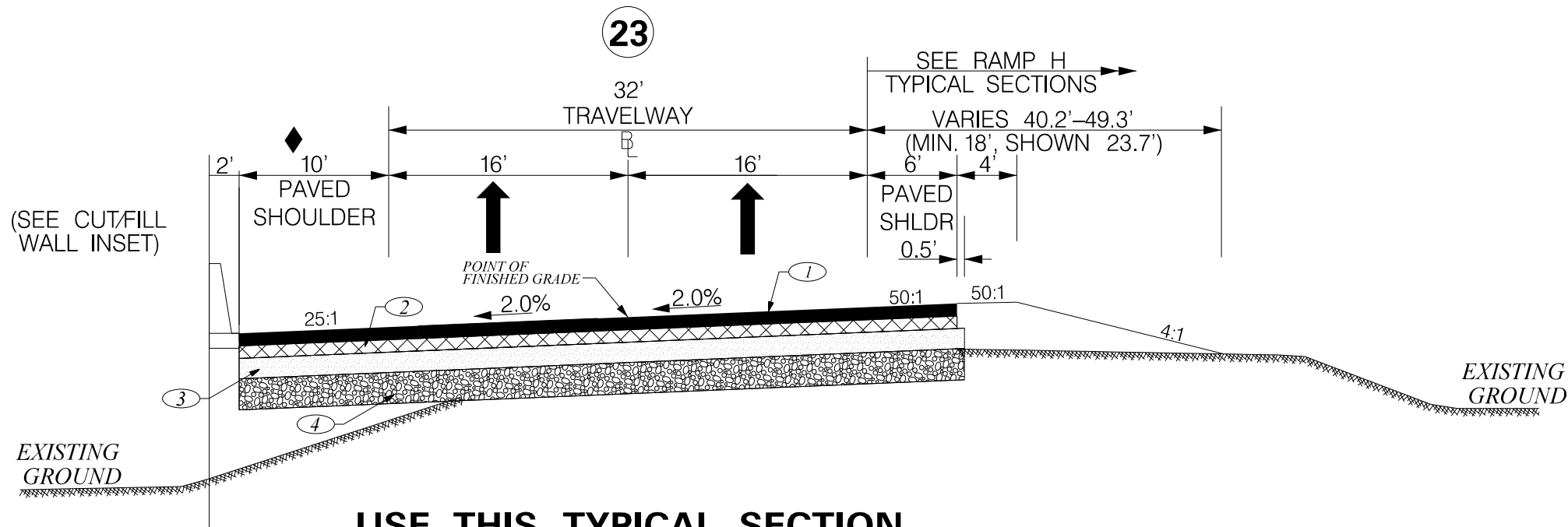
USE THIS TYPICAL SECTION
LINE E STA. 203+75.18 TO STA. 205+94.79



USE THIS TYPICAL SECTION
LINE G STA. 202+31.18 TO STA. 204+88.35

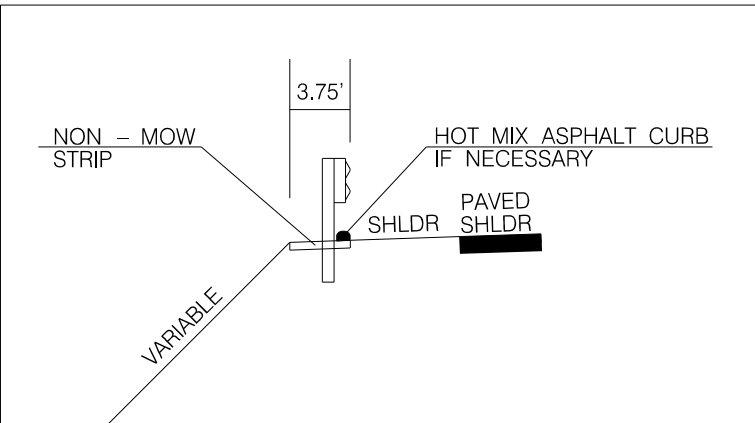


USE THIS TYPICAL SECTION
LINE F STA. 397+88.78 TO STA. 401+82.58



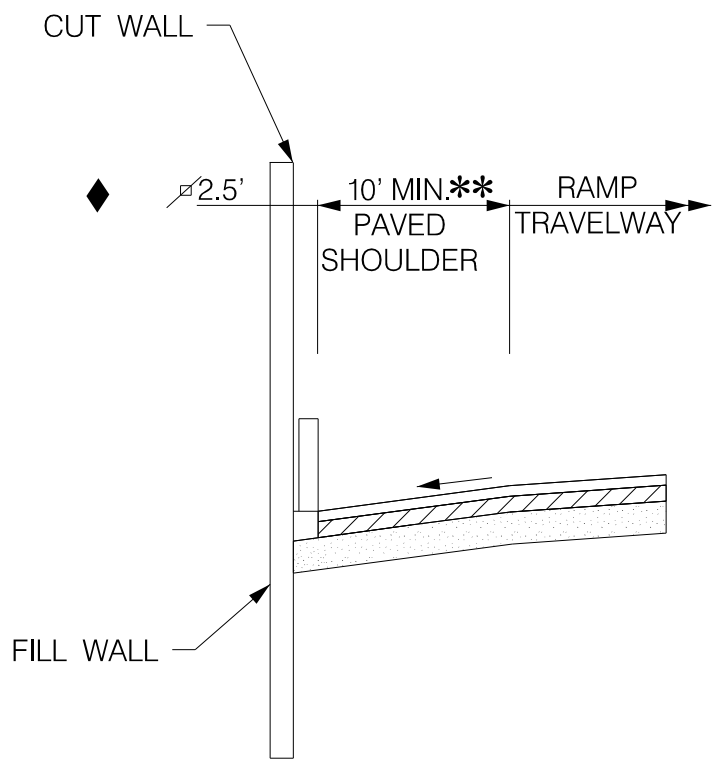
USE THIS TYPICAL SECTION
LINE H STA. 204+88.73 TO STA. 207+02.95

NON-MOW STRIP AND ASPHALT FLUME UNDER GUARDRAIL DETAIL



- MINIMUM 3.75' WHERE GUARDRAIL IS ERECTED EXCEPT IN AREAS WITH COMPRESSED SHOULDER. (SEE STD. DWG. 805-215-00). PROVIDE NON-MOW STRIP UNDER GUARDRAIL. PROVIDE 6 INCH ASPHALT CURB (SEE STD. DWG. 805-525-01) ON THE LOW SIDES OF THE ROADWAY WHERE FILL SLOPES ARE GREATER THAN 3:1. USE CURB DETAIL (5) AND PLACEMENT DETAIL (2) FROM SCDOT STD. DWG. 803-105-00.

CUT/FILL WALL INSET



- ** MATCH PAVEMENT DESIGN OF RAMP & PAVE TO THE FACE OF BARRIER WALL. 10' MINIMUM PAVED SHOULDER WIDTH. SOME SHOULDER WIDTHS MAY BE GREATER THAN 10' FOR SIGHT DISTANCE. SEE PLAN VIEW AND CROSS SECTIONS FOR WALL LOCATIONS AND WIDTHS.

NOTE: TYPICAL SECTIONS ARE LOOKING IN DIRECTION OF TRAFFIC AND NOT NECESSARILY IN DIRECTION OF SURVEY.

FUNCTIONAL CLASSIFICATION:
URBAN PRINCIPAL ARTERIAL

SEE TABLES ON SHEET 3G FOR
PAVEMENT DESIGN OPTIONS

RTE. DESIGN SPEED

MPH LINE
25 E, F, G, H

EXCEPTIONS TO DESIGN SPEED



PRELIMINARY
NOT FOR CONSTRUCTION

N.T.S.

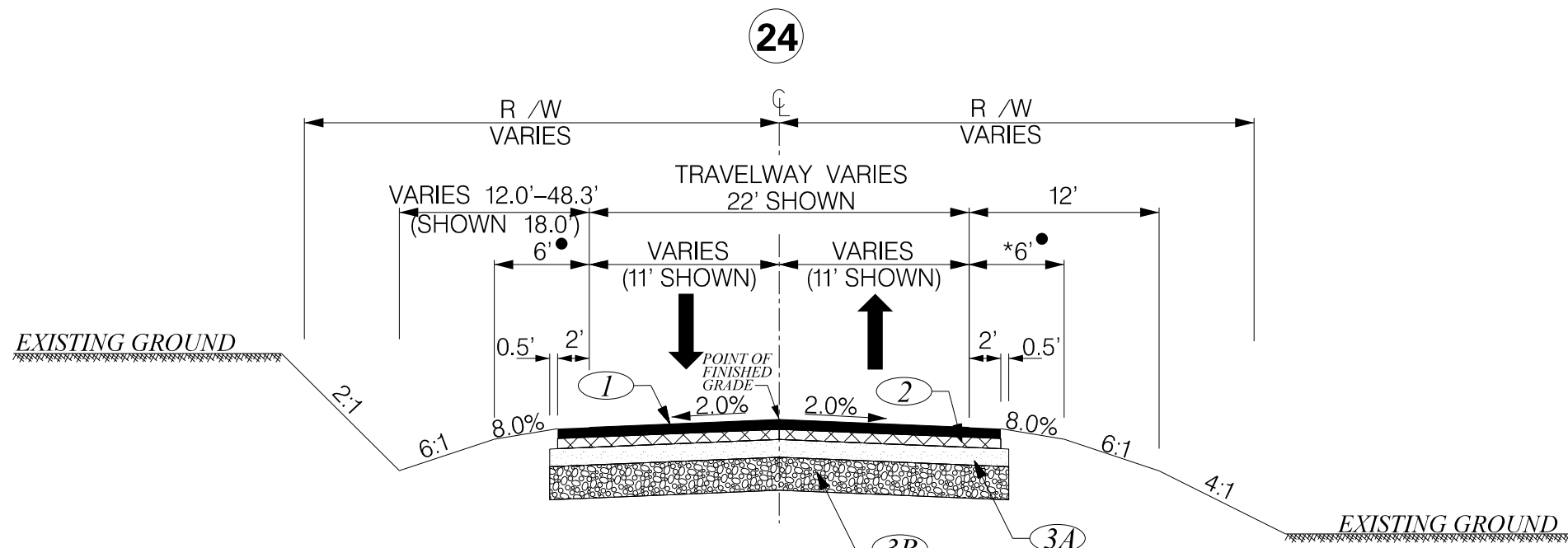
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SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

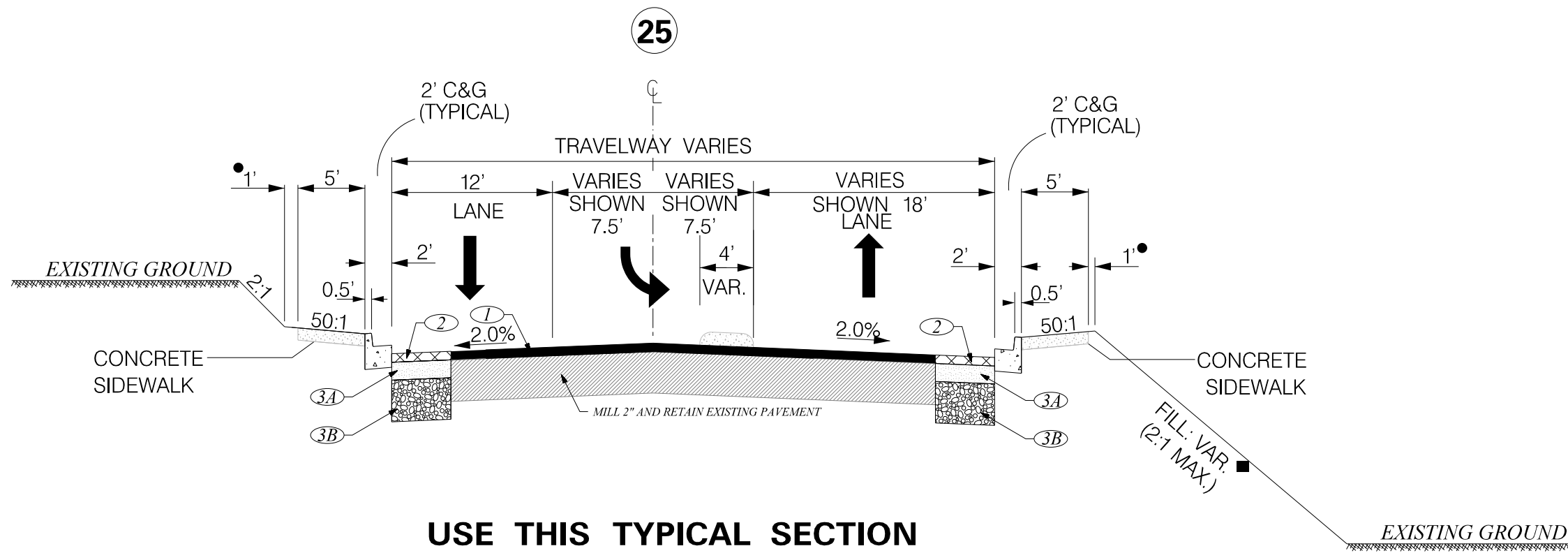
CAROLINA CROSSROADS PHASE 2

TYPICAL SECTION
SHEET

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	3F



USE THIS TYPICAL SECTION
S-40-2906 (GARNER LANE) STA. 9215 + 18.09 TO STA. 9227 + 87.66



USE THIS TYPICAL SECTION
S-40-683 (MARLEY DRIVE) STA. 0 + 36.58 TO STA. 1 + 28.71

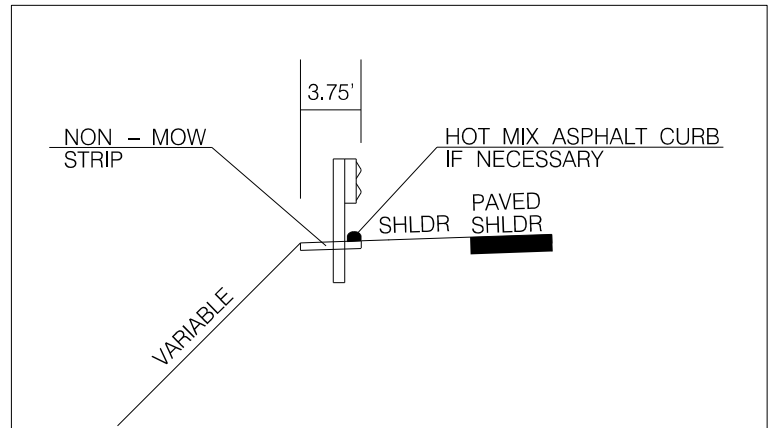
NOTE:
EXISTING ALIGNMENT USED FOR S-40-683 (MARLEY DRIVE)

- USE 6:1 SLOPE (0' - 5')
- 4:1 SLOPE (5' - 10')
- 2:1 SLOPE (10' - OVER)
- 2:1 SLOPE (WETLAND AREAS)

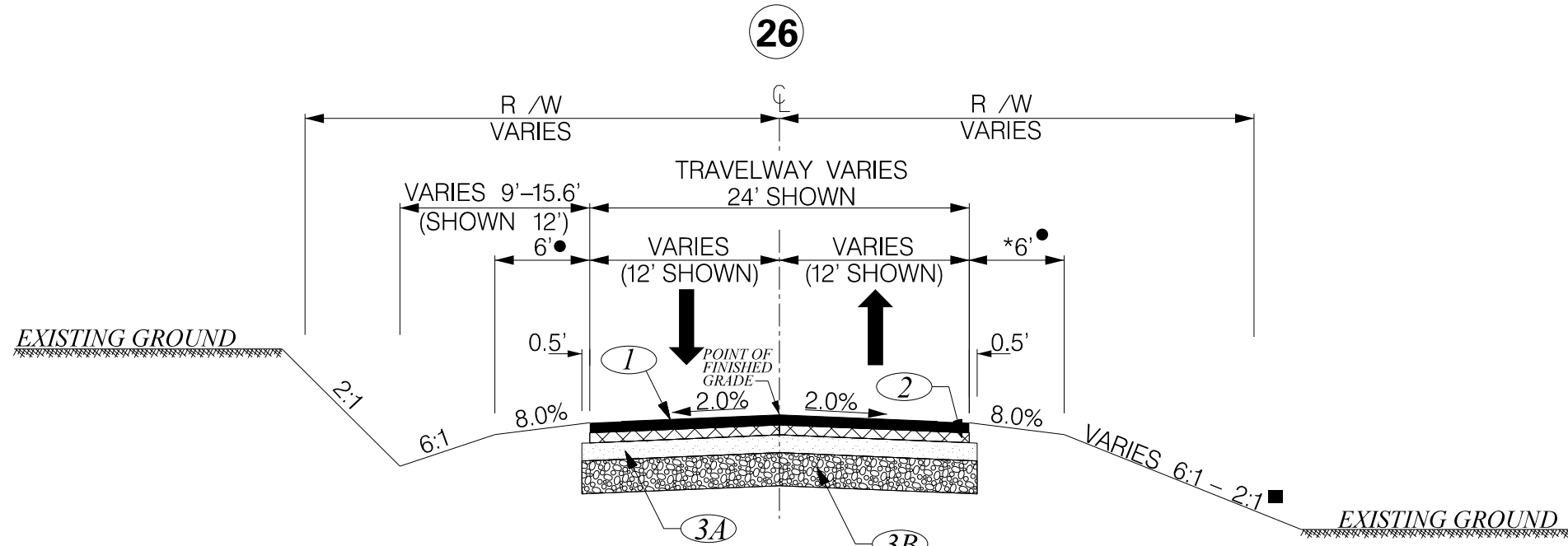
- ADD 3.75' WHERE GUARDRAIL IS ERECTED EXCEPT IN AREAS WITH COMPRESSED SHOULDER

NOTE:
CURB RAMPS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE SCDOT STANDARD DRAWINGS.

NON-MOW STRIP AND
ASPHALT FLUME
UNDER GUARDRAIL DETAIL

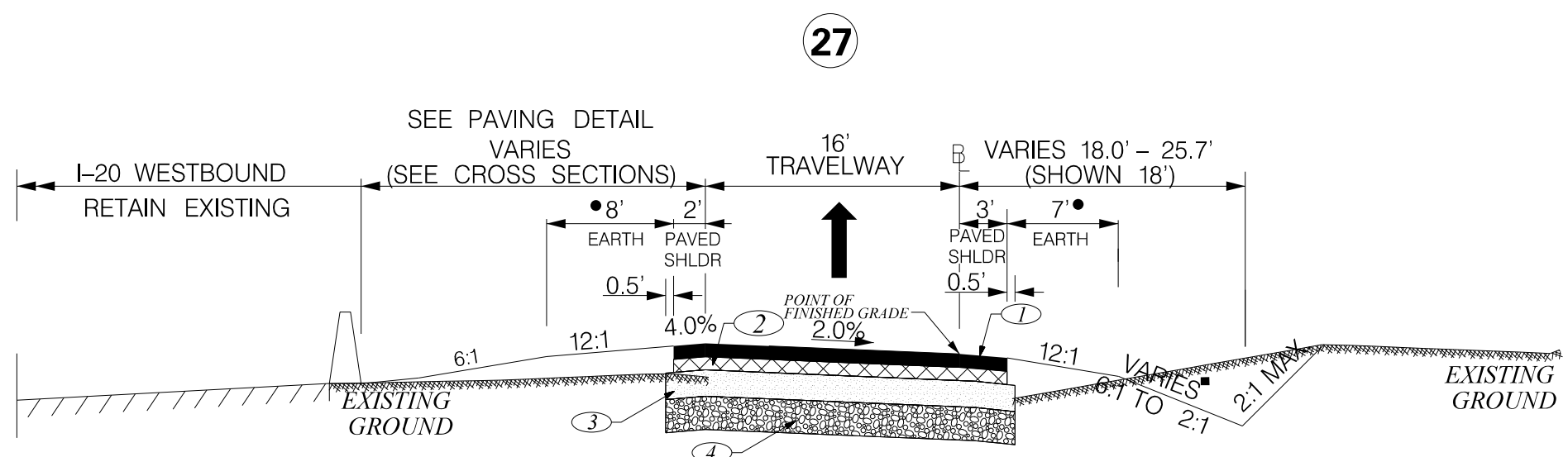
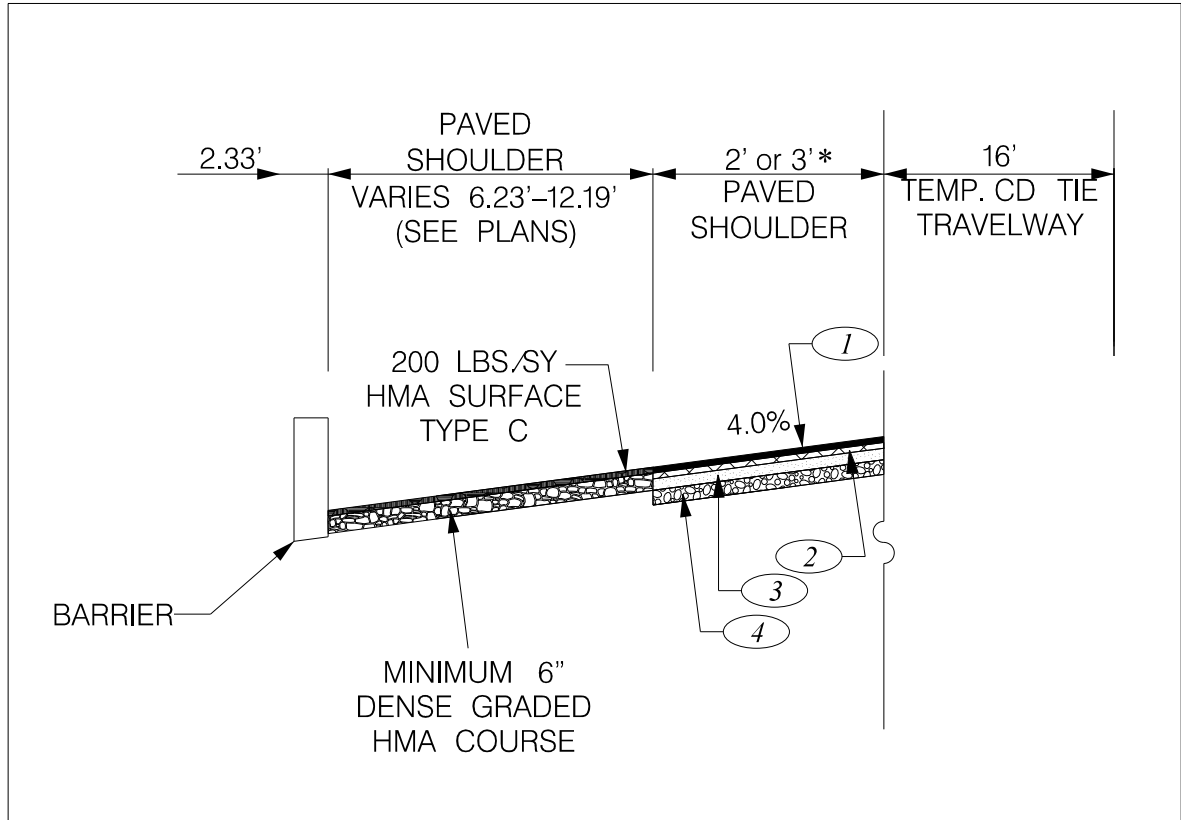


- MINIMUM 3.75' WHERE GUARDRAIL IS ERECTED EXCEPT IN AREAS WITH COMPRESSED SHOULDER. (SEE STD. DWG. 805-215-00).
- PROVIDE NON-MOW STRIP UNDER GUARDRAIL.
- PROVIDE 6 INCH ASPHALT CURB (SEE STD. DWG. 805-525-01) ON THE LOW SIDES OF THE ROADWAY WHERE FILL SLOPES ARE GREATER THAN 10' IN HEIGHT AND ARE STEEPER THAN 3:1. USE CURB DETAIL (5) AND PLACEMENT DETAIL (2) FROM SCDOT STD. DWG. 803-105-00.

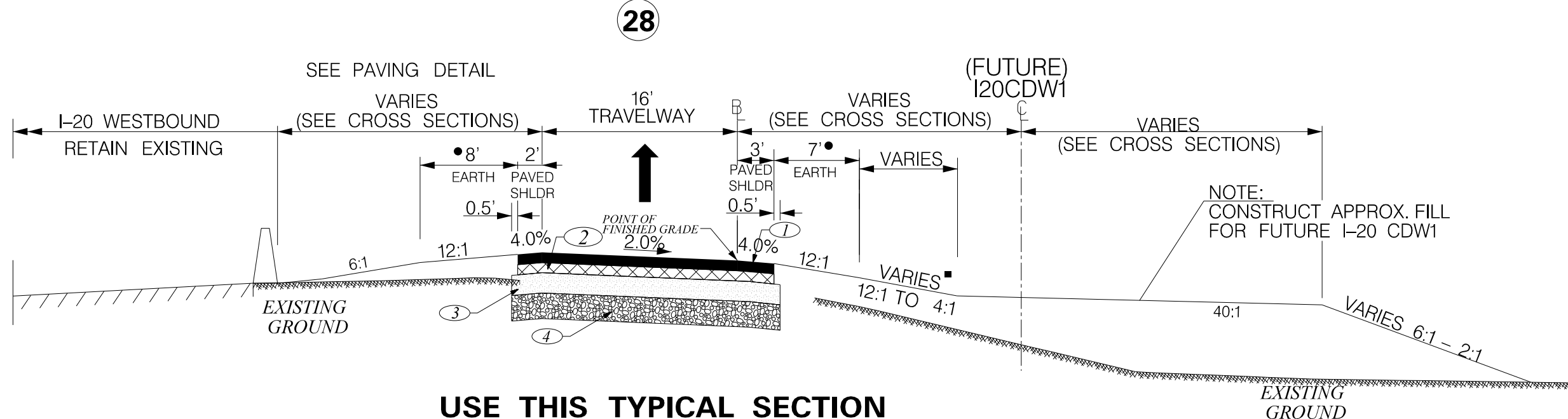


USE THIS TYPICAL SECTION
GLDR1 (GARNER LANE DRIVEWAY)
STA. 10 + 07.88 TO STA. 12 + 61.41

PAVING DETAIL FOR USE
WHEN BARRIER IS NOT
DIRECTLY ADJACENT TO SHOULDER



USE THIS TYPICAL SECTION
TEMPORARY CD TIE STA. 154 + 24.30 TO STA. 165 + 24.09
NOTE: DIRECTION OF TRAFFIC DOWNSTATION



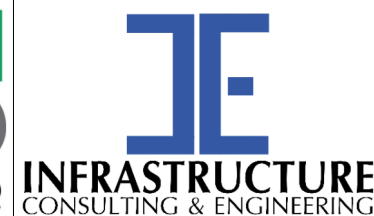
USE THIS TYPICAL SECTION
TEMPORARY CD TIE STA. 165 + 24.09 TO STA. 170 + 60.21
NOTE: DIRECTION OF TRAFFIC DOWNSTATION

STA. EQUALITY: CDTIE STA. 165 + 24.09 (57.13' LT) EQUALS
I-20CDW1 STA. 165 + 17.61 (THESE PLANS) ALSO EQUALS
I-20CDW1 STA. 7175 + 50.00 (HDR PLANS))

FUNCTIONAL CLASSIFICATION:
URBAN LOCAL, GROUP 4

SEE TABLES ON SHEET 3G FOR
PAVEMENT DESIGN OPTIONS

RTE.	RTDESIGN SPEED	N.T.S.
RAMP	MPH	FROM STA. TO STA.
S-40-2906	30	9215 + 18.09 9227 + 87.66
S-40-683	30	0 + 38.90 1 + 28.52
GLDR1	15	10 + 11.00 12 + 61.41
TEMP. CDTIE	40	154 + 24.30 170 + 34.70



PRELIMINARY
NOT FOR CONSTRUCTION

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SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

CAROLINA CROSSROADS PHASE 2

TYPICAL SECTION
SHEET

PAVEMENT DESIGN OPTIONS FOR I-20, CD ROAD,
AND TEMPORARY CD TIE
(WIDENING, NEW LOCATION AND RECONSTRUCTION)

	Layer Type	Option 1i	Option 2i	Option 3i	ATC 7 Perpetual Pavement
1	SMA (9.5 mm)	200 PSY	200 PSY	200 PSY	200 PSY
2	Intermediate B	200 PSY	200 PSY	200 PSY	200 PSY
3	Intermediate A	300 PSY	300 PSY	300 PSY	300 PSY
4	Base A Intermediate A or B	600 PSY	1125 PSY	1600 PSY	1000 PSY
5	GABC	-----	10 Inches	-----	-----
	CMRB	12 Inches	-----	-----	-----
	Cement Modified Subbase	-----	-----	-----	8 Inches

Notes: 1-If proposed, CCPR shall be placed above the CRMB layer for option 1i or above the GABC for option 2i.

PAVEMENT DESIGN OPTIONS FOR US 176

	Layer Type	Option 3D
1	Surface A	200 PSY
2	Intermediate (TYPE)	275 PSY (A)
3	Base A	450 PSY
4	GABC	10 Inches
	CMRB	

PAVEMENT DESIGN OPTIONS FOR
RAMP F, LINE F, RAMP Z, RAMP E, LINE E,
RAMP H, LINE H, RAMP G, AND LINE G

	Layer Type	Option 3D
1	SMA (9.5 mm)	200 PSY
2	Intermediate (TYPE)	275 PSY (A)
3	Base A	450 PSY
4	GABC	10 Inches
	CMRB	

PAVEMENT DESIGN OPTIONS FOR
S-40-2906 GARNER LANE,
L-3821 BRIARGATE CIRCLE,
S-40-2590 LONGCREEK DRIVE
S-40-683 MARLEY DRIVE
GARNER LANE DRIVE

	Layer Type	Option 3B
1	Surface B	200 PSY
2	Intermediate B	200 PSY
3A	Base A	375 PSY
3B	GABC	10 Inches
	CMRB	

4/14/2022 Z:\Projects\20-81CCR Ph 2\Roadway\PLANS\20-81-3G-TYPICAL SECTIONS.dgn

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	5



SOUTH CAROLINA
DEPARTMENT OF TRANSPORTATION

GENERAL CONSTRUCTION NOTE

THE DEPUTY SECRETARY OF ENGINEERING MUST SPECIFICALLY AUTHORIZE CHANGES INVOLVING INCREASED COST OF PROJECT OR CHANGES IN ALIGNMENT. THE DISTRICT ENGINEERING ADMINISTRATOR IS PERMITTED UNDER THE DIRECTION OF THE DEPUTY SECRETARY OF ENGINEERING TO AUTHORIZE MINOR ALTERATIONS NOT IN CONFLICT WITH THE STANDARD PRACTICES OF THE DEPARTMENT. FORWARD INFORMATION ON ANY PROPOSED CHANGES IN ALIGNMENT TO THE COLUMBIA OFFICE AS SOON AS POSSIBLE.

SEE INDIVIDUAL CURVES ON REFERENCE DATA SHEET FOR SUPERELEVATION RATE AND DESIGN SPEED, AS APPLICABLE.

1. CONTROL OF ACCESS FENCING

NEW CONTROLLED ACCESS FENCING IS REQUIRED FOR THE ENTIRE PROJECT LIMITS. FENCING MAY BE INSTALLED OFFSET FROM THE RIGHT OF WAY TO PROVIDE SPACE FOR UTILITY MAINTENANCE. IN NO CASE SHALL GROUND MOUNTED FENCE BE LOCATED WITHIN THE CLEAR ZONE OF THE ROADWAY. FENCING SHALL BE IN ACCORDANCE WITH STANDARD DRAWING SERIES 806. USE CHAIN LINK FENCE 72" THROUGHOUT THE PROJECT CORRIDOR FOR GROUND MOUNTED APPLICATIONS. AT LOCATIONS WHERE THE EXISTING FENCE IS PROPERLY LOCATED 72" FENCING, THE FENCE MAY REMAIN IF APPROVED BY THE SCDOT. WHERE FENCING IS REQUIRED TO BE PLACED BETWEEN THE INTERSTATE OR RAMP AND FRONTAGE ROAD WHERE BARRIER WALL IS LOCATED, USE 48" CHAIN LINK FENCE ON TOP OF BARRIER. MOUNT FENCE POSTS IN DRILLED OR FORMED HOLES USING APPROVED EPOXY OR NON-SHRINK, NON-CORROSIVE GROUT. FENCE POST ANCHORS MOUNTED ATOP BARRIER WALL ARE NOT ALLOWED UNLESS APPROVED BY SCDOT.

2. SEE FINAL RFP FOR ADDITIONAL REQUIREMENTS

3. GENERAL NOTE REGARDING PEDESTRIAN ACCESS AND POLE PLACEMENT

ALL POLES PLACED FOR TRAFFIC SIGNALS, LIGHTING, ITS AND ANY OTHER PURPOSE SHALL BE PLACED SO THAT A MINIMUM OF FIVE FEET REMAINS FOR PEDESTRIAN ACCESS WHEREVER SIDEWALK IS LOCATED.

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4/14/2022



FOR INFORMATION ONLY

SCALE: N.T.S.

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SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
CAROLINA CROSSROADS PHASE 2
GENERAL CONSTRUCTION NOTES


\\css-server1\shared\2021 Projects\083121C ICE--Carolina Crossroads Phase 2\Field Work\Controls(CONTROL DATA SHEETS)\P039719_Survey_Project_Report.xlsm\SCDS 5A



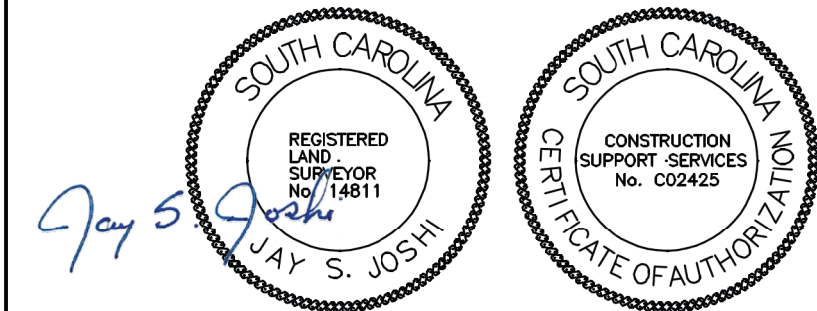
FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD/ROUTE NO.	SHEET NO.
3	SC	RCHLAND	P039719	CCR PHASE 2	5A

PROPERTY MONUMENTS FOUND					
AUGNMENT	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION

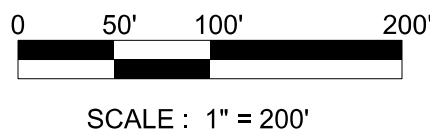
SURVEY CONTROL POINTS							
POINT ID	AUGNMENT	STATION	OFFSET	NORTHING	EASTING	ELEV.	DESCRIPTION
PSC-121	SURVEY_I-20	295+81.77	-62.18	806868.4160	1979879.9790	190.86	REBAR
PSC-122	SURVEY_I-20	304+64.20	-91.57	807290.3650	1980655.5500	177.51	REBAR
MSC-248	SURVEY_I-20	169+15.52	-54.61	802305.0490	1968270.4810	289.35	REBAR
MSC-249	SURVEY_I-20	183+36.01	-84.20	802393.1910	1969696.9420	316.53	REBAR
MSC-250	SURVEY_I-20	194+10.66	-96.33	802474.5610	1970747.3460	307.46	REBAR
MSC-251	SURVEY_I-20	212+96.73	-68.35	803158.9430	1972471.7610	304.96	REBAR
MSC-252	SURVEY_I-20	224+73.24	-80.48	803697.3280	1973517.9270	259.06	REBAR
MSC-253	SURVEY_I-20	235+17.00	-66.45	804152.8100	1974457.1690	216.82	REBAR
MSC-254	SURVEY_I-20	250+16.41	-56.47	804816.2190	1975801.8620	179.33	REBAR
MSC-255	SURVEY_I-20	265+16.32	-56.65	805488.9300	1977142.4600	178.76	REBAR
MSC-256	SURVEY_I-20	279+58.70	-59.26	806138.0220	1978430.5320	184.59	REBAR
MSC-257	SURVEY_I-20	288+01.95	-56.25	806513.4440	1979185.6120	198.08	REBAR
PSC-123	SURVEY_US-176	615+74.91	57.41	802539.0600	1971685.2330	332.83	GEOMON "HOLT"
PSC-124	SURVEY_US-176	608+68.98	60.51	803006.2090	1971155.7390	314.76	REBAR
MSC-321	SURVEY_US-176	621+68.85	-32.17	802191.7580	1972172.9160	333.38	REBAR w/ALCAP
MSC-322	SURVEY_US-176	627+13.17	45.92	801750.5480	1972501.1230	331.25	REBAR w/ALCAP
MSC-323	SURVEY_US-176	632+05.99	19.31	801419.6700	1972867.3160	329.07	REBAR w/ALCAP
MSC-324	SURVEY_US-176	636+69.77	256.14	800923.7310	1973026.1360	323.42	REBAR w/ALCAP
MSC-325	SURVEY_US-176	603+46.55	-15.22	803410.6620	1970816.4980	312.10	REBAR w/ALCAP
MSC-326	SURVEY_US-176	598+03.30	45.10	803752.7900	1970388.7820	312.13	REBAR w/ALCAP
MSC-327	SURVEY_US-176	627+93.75	-69.19	801774.5100	1972639.5750	331.00	REBAR w/ALCAP
MSC-328	SURVEY_US-176	622+80.43	71.01	802039.8790	1972178.3510	334.33	REBAR w/ALCAP
MSC-329	SURVEY_US-176	618+82.49	-88.82	802435.2790	1972010.4110	331.96	REBAR w/ALCAP
MSC-330	SURVEY_US-176	603+41.80	-90.22	803469.7700	1970862.9040	309.41	REBAR w/ALCAP
MSC-331	SURVEY_US-176	594+25.60	-33.74	804087.9720	1970197.6790	315.21	REBAR w/ALCAP

PROJECT BENCHMARKS							
POINT ID	AUGNMENT	STATION	OFFSET	NORTHING	EASTING	ELEV.	DESCRIPTION

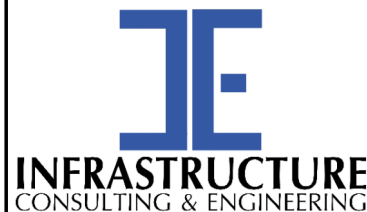
NOTES:		 SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION	SURVEY CONTROL DATA	
1. The alignment Station and Offset are referenced to the existing Survey Centerline.			PROJECT DESCRIPTION	
2. Date of Survey: AUGUST 31, 2021			CAROLINA CROSSROADS PHASE 2	
			DATUM DESCRIPTION	
The Property Monuments Found listed on this sheet are assumed to be property corner monuments, field located during the course of this survey. The Department makes no claim that these located monuments are the true position of any property and takes no responsibility for this information being used as such. These monuments are tied to the control of this project in an effort to document and preserve their location in the event they are disturbed or destroyed during the construction of the project.			This GRID Coordinate System developed for this project is based on NAD83(2011) South Carolina State Plane Coordinate System. A Combined Scale Factor (CSF) for each Survey Control Point must be computed and applied to horizontal ground distances. Elevations for this project are based on NAVD88 for PSC-123 with an Elevation of 332.83	

		 <div>ARCHER UNITED JOINT VENTURE</div>	 <div>INFRASTRUCTURE CONSULTING & ENGINEERING</div>		6				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
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					4				CAROLINA CROSSROADS PHASE 2
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EXISTING DATA



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SCALE: 1" = 200'

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SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

CAROLINA CROSSROADS PHASE 2

REFERENCE DATA SHEET

EXISTING DATA

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	5E

MATCHLINE STA. 225 + 00 SEE SHEET 5D

225

230

235

240

245

250

255

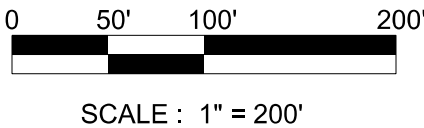
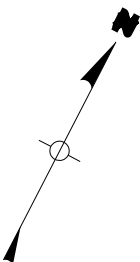
260

265

N 63° 21' 33" E

1-20

POT. STA. = 268 + 26.91



PRELIMINARY
NOT FOR CONSTRUCTION

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SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

CAROLINA CROSSROADS PHASE 2

REFERENCE DATA SHEET

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4/14/2022

US 176 WESTBOUND

Beginning chain US176WB description

Point ICE398 N 803,785.1304 E 1,970,420.3846 Sta 598+00.35

Course from ICE398 to PC US176WB-1 S 41° 28' 44.46" E Dist 144.8353

Curve Data

Curve US176WB-1
P.I. Station 600+00.96 N 803,634.8289 E 1,970,553.2621
Delta = 6° 08' 46.40" (LT)
Degree = 5° 30' 52.24"
Tangent = 55.7812
Length = 111.4554
Radius = 1,039.0000
External = 1.4963
Long Chord = 111.4020
Mid. Ord. = 1.4941
P.C. Station 599+45.18 N 803,676.6201 E 1,970,516.3156
P.T. Station 600+56.64 N 803,597.2336 E 1,970,594.4706
C.C. N 804,364.7972 E 1,971,294.7327
Back = S 41° 28' 44.46" E
Ahead = S 47° 37' 30.86" E
Chord Bear = S 44° 33' 07.66" E
DS = 45 MPH
eMAX = 4.0%
e=3.8%
LG-PC = 0.54%
LG-PT = 0.54%

Course from PT US176WB-1 to ICE461 S 47° 37' 30.86" E Dist 609.5035

Point ICE461 N 803,186.4422 E 1,971,044.7427 Sta 606+66.14

Course from ICE461 to ICE401 S 48° 14' 12.39" E Dist 526.2074

Point ICE401 N 802,835.9597 E 1,971,437.2428 Sta 611+92.35

Course from ICE401 to PC US176WB-2 S 48° 24' 20.91" E Dist 389.5245

Curve Data

Curve US176WB-2
P.I. Station 617+62.41 N 802,457.5244 E 1,971,863.5717
Delta = 3° 35' 48.21" (RT)
Degree = 0° 59' 47.21"
Tangent = 180.5366
Length = 360.9546
Radius = 5,750.0000
External = 2.8335
Long Chord = 360.8954
Mid. Ord. = 2.8321
P.C. Station 615+81.87 N 802,577.3737 E 1,971,728.5547
P.T. Station 619+42.83 N 802,329.4411 E 1,971,990.8043
C.C. N 798,277.1478 E 1,967,911.4148
Back = S 48° 24' 20.91" E
Ahead = S 44° 48' 32.69" E
Chord Bear = S 46° 36' 26.80" E
DS = 25 MPH (IN ACCORDANCE WITH DDI GUIDELINES)
eMAX = 4.0%
e=NC
LG-PC = N/A
LG-PT = N/A

Course from PT US176WB-2 to ICE451 S 44° 48' 32.69" E Dist 827.2705

Point ICE451 N 801,742.5266 E 1,972,573.8204 Sta 627+70.10

Ending chain US176WB description

US 176 EASTBOUND

Beginning chain US176EB description

Point ICE493 N 803,897.3075 E 1,970,302.5253 Sta 396+38.94

Course from ICE493 to PC US176EB-1 S 41° 28' 44.46" E Dist 427.6640

Curve Data

Curve US176EB-1
P.I. Station 401+23.83 N 803,534.0251 E 1,970,623.6933
Delta = 6° 08' 46.40" (LT)
Degree = 5° 22' 29.42"
Tangent = 57.2308
Length = 114.3518
Radius = 1,066.0000
External = 1.5352
Long Chord = 114.2970
Mid. Ord. = 1.5330
P.C. Station 400+66.60 N 803,576.9023 E 1,970,585.7867
P.T. Station 401+80.96 N 803,496.4529 E 1,970,666.9726
C.C. N 804,282.9628 E 1,971,384.4322
Back = S 41° 28' 44.46" E
Ahead = S 47° 37' 30.86" E
Chord Bear = S 44° 33' 07.66" E
DS = 45 MPH
eMAX = 4.0% (USING SUPERELEVATION FOR LOW SPEED URBAN)
e=NC PER RDM (USED 2.3% TO MATCH EXISTING CURVE)
LG-PC = 0.54%
LG-PT = 0.54%

Course from PT US176EB-1 to PC US176EB-2 S 47° 37' 30.86" E Dist 490.8107

Curve Data

Curve US176EB-2
P.I. Station 407+82.26 N 803,090.1906 E 1,971,110.1842
Delta = 25° 43' 07.02" (RT)
Degree = 11° 50' 16.70"
Tangent = 110.4891
Length = 217.2553
Radius = 484.0000
External = 12.4512
Long Chord = 215.4359
Mid. Ord. = 12.1390
P.C. Station 406+71.77 N 803,164.6577 E 1,971,028.5602
P.T. Station 408+89.02 N 802,987.6796 E 1,971,151.4072
C.C. N 802,807.1016 E 1,970,702.3553
Back = S 47° 37' 30.86" E
Ahead = S 21° 54' 23.84" E
Chord Bear = S 34° 45' 57.35" E
DS = 25 MPH (IN ACCORDANCE WITH DDI GUIDELINES)
eMAX = 4.0% (USING SUPERELEVATION FOR LOW SPEED URBAN)
e=NC
LG-PC = N/A
LG-PT = N/A

Curve Data

Curve US176EB-3
P.I. Station 410+44.52 N 802,843.4120 E 1,971,209.4217
Delta = 71° 29' 57.06" (LT)
Degree = 26° 31' 32.97"
Tangent = 155.4954
Length = 269.5456
Radius = 216.0000
External = 50.1481
Long Chord = 252.3934
Mid. Ord. = 40.6991
P.R.C. Station 408+89.02 N 802,987.6796 E 1,971,151.4072
P.T. Station 411+58.57 N 802,852.6496 E 1,971,364.6425
C.C. N 803,068.2681 E 1,971,351.8105
Back = S 21° 54' 23.84" E
Ahead = N 86° 35' 39.09" E
Chord Bear = S 57° 39' 22.37" E
DS = 25 MPH (IN ACCORDANCE WITH DDI GUIDELINES)
eMAX = 4.0% (USING SUPERELEVATION FOR LOW SPEED URBAN)
e=NC
LG-PC = N/A
LG-PT = N/A

Course from PT US176EB-3 to PC US176EB-4 N 86° 35' 39.09" E Dist 148.6629

Curve Data

Curve US176EB-4
P.I. Station 413+95.04 N 802,866.6981 E 1,971,600.7010
Delta = 45° 00' 00.00" (RT)
Degree = 27° 01' 34.72"
Tangent = 87.8133
Length = 166.5044
Radius = 212.0000
External = 17.4671
Long Chord = 162.2578
Mid. Ord. = 16.1375
P.C. Station 413+07.23 N 802,861.4813 E 1,971,513.0428
P.T. Station 414+73.73 N 802,808.4032 E 1,971,666.3735
C.C. N 802,649.8558 E 1,971,525.6372
Back = N 86° 35' 39.09" E
Ahead = S 48° 24' 20.91" E
Chord Bear = S 70° 54' 20.91" E
DS = 25 MPH (IN ACCORDANCE WITH DDI GUIDELINES)
eMAX = 4.0% (USING SUPERELEVATION FOR LOW SPEED URBAN)
e=NC
LG-PC = N/A
LG-PT = N/A

Course from PT US176EB-4 to PC US176EB-5 S 48° 24' 20.91" E Dist 147.0168

Curve Data

Curve US176EB-5
P.I. Station 417+09.76 N 802,651.7161 E 1,971,842.8905
Delta = 44° 47' 30.87" (RT)
Degree = 26° 31' 32.97"
Tangent = 89.0109
Length = 168.8615
Radius = 216.0000
External = 17.6214
Long Chord = 164.5942
Mid. Ord. = 16.2922
P.C. Station 416+20.75 N 802,710.8060 E 1,971,776.3223
P.T. Station 417+89.61 N 802,562.8822 E 1,971,848.5011
C.C. N 802,549.2671 E 1,971,632.9306
Back = S 48° 24' 20.91" E
Ahead = S 3° 36' 50.04" E
Chord Bear = S 28° 00' 35.47" E
DS = 25 MPH (IN ACCORDANCE WITH DDI GUIDELINES)
eMAX = 4.0% (USING SUPERELEVATION FOR LOW SPEED URBAN)
e=NC
LG-PC = N/A
LG-PT = N/A

Course from PT US176EB-5 to PC US176EB-6 S 3° 36' 50.04" E Dist 128.8430

Curve Data

Curve US176EB-6
P.I. Station 420+30.91 N 802,322.0659 E 1,971,863.7107
Delta = 70° 42' 05.72" (LT)
Degree = 35° 48' 35.50"
Tangent = 112.4532
Length = 196.0398
Radius = 160.0000
External = 35.5651
Long Chord = 184.0053
Mid. Ord. = 29.0973
P.C. Station 419+18.45 N 802,434.2954 E 1,971,856.6224
P.R.C. Station 421+14.49 N 802,290.7216 E 1,971,971.7072
C.C. N 802,444.3807 E 1,972,016.3043
Back = S 3° 36' 50.04" E
Ahead = S 73° 48' 55.76" E
Chord Bear = S 38° 42' 52.90" E
DS = 25 MPH (IN ACCORDANCE WITH DDI GUIDELINES)
eMAX = 4.0% (USING SUPERELEVATION FOR LOW SPEED URBAN)
e=3.0%
LG-PC = 0.70%
LG-PT = 0.70%

Curve Data

Curve US176EB-7
P.I. Station 421+65.71 N 802,276.4455 E 1,972,020.8955
Delta = 29° 00' 23.07" (RT)
Degree = 28° 56' 14.14"
Tangent = 51.2181
Length = 100.2390
Radius = 198.0000
External = 6.5172
Long Chord = 99.1719
Mid. Ord. = 6.3095
P.R.C. Station 421+14.49 N 802,290.7216 E 1,971,971.7072
P.T. Station 422+14.73 N 802,240.1084 E 1,972,056.9913
C.C. N 802,100.5685 E 1,971,916.5184
Back = S 73° 48' 55.76" E
Ahead = S 44° 48' 32.69" E
Chord Bear = S 59° 18' 44.23" E
DS = 25 MPH (IN ACCORDANCE WITH DDI GUIDELINES)
eMAX = 4.0% (USING SUPERELEVATION FOR LOW SPEED URBAN)
e=NC
LG-PC = N/A
LG-PT = N/A

Course from PT US176EB-7 to ICE500 S 44° 48' 32.69" E Dist 717.3423

Point ICE500 N 801,731.1834 E 1,972,562.5359 Sta 429+32.08

Ending chain US176EB description



PRELIMINARY
NOT FOR CONSTRUCTION

SCALE: 1" = 200'

6				
5				
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

CAROLINA CROSSROADS PHASE 2

REFERENCE DATA SHEET

Z:\Projects\20-8\CCR Ph 2\Roadway\PLANS\5H_PROPOSED.dgn
4/14/2022

PROPOSED DATA

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	5H

RAMP E

Beginning chain RAMPE description

Point ICE6270 N 802,892.95 E 1,971,373.42 Sta 201+78.13

Course from ICE6270 to PC RAMPE-1 N 75° 21' 17.6889" E Dist 527.29

Curve Data

Curve RAMPE-1
P.I. Station 209+46.79 N 803,087.29 E 1,972,117.11
Delta = 9° 12' 00.1358" (LT)
Degree = 1° 54' 35.4935"
Tangent = 241.38
Length = 481.71
Radius = 3,000.00
External = 9.69
Long Chord = 481.20
Mid. Ord. = 9.66
P.C. Station 207+05.42 N 803,026.27 E 1,971,883.57
P.T. Station 211+87.13 N 803,184.87 E 1,972,337.88
C.C. N 805,928.80 E 1,971,125.08
Back = N 75° 21' 17.6889" E
Ahead = N 66° 09' 17.5530" E
Chord Bear = N 70° 45' 17.6209" E
DS = 40 MPH
eMAX = 8.0%
e= 2.6%
LG-PC = 0.58%
LG-PT = 0.58%

Course from PT RAMPE-1 to PC RAMPE-2 N 66° 09' 17.5530" E Dist 1,193.75

Curve Data

Curve RAMPE-2
P.I. Station 225+51.69 N 803,736.52 E 1,973,585.96
Delta = 2° 47' 44.6094" (LT)
Degree = 0° 49' 06.6401"
Tangent = 170.82
Length = 341.56
Radius = 7,000.00
External = 2.08
Long Chord = 341.53
Mid. Ord. = 2.08
P.C. Station 223+80.88 N 803,667.46 E 1,973,429.73
P.T. Station 227+22.44 N 803,813.11 E 1,973,738.64
C.C. N 810,069.96 E 1,970,599.87
Back = N 66° 09' 17.5530" E
Ahead = N 63° 21' 32.9436" E
Chord Bear = N 64° 45' 25.2483" E
DS = 60 MPH
eMAX = 8.0%
e= 2.5% (MATCH I-20 OUTSIDE LANE)
LG-PC = 0.5%
LG-PT = 0.5%

Ending chain RAMPE description

LINE E

Beginning chain LINEE description

Curve Data

Curve LINEE-1
P.I. Station 205+06.91 N 802,958.6450 E 1,971,624.8045
Delta = 91° 02' 40.64" (RT)
Degree = 37° 12' 18.19"
Tangent = 156.8337
Length = 244.7104
Radius = 154.0000
External = 65.8017
Long Chord = 219.7652
Mid. Ord. = 46.1028
P.C. Station 203+50.08 N 802,807.6549 E 1,971,667.2166
P.T. Station 205+94.79 N 802,996.2973 E 1,971,776.5427
C.C. N 802,849.3007 E 1,971,815.4786
Back = N 15° 41' 22.95" W
Ahead = N 75° 21' 17.69" E
Chord Bear = N 29° 49' 57.37" E
DS = 25 MPH (IN ACCORDANCE WITH DDI GUIDELINES)
eMAX = 4.0%
e= 4.0%
LG-PC = 0.70%
LG-PT = 0.70%

Ending chain LINEE description

RAMP F

Beginning chain RAMPF description

Curve Data

Curve RAMPF-1
P.I. Station 388+06.52 N 802,382.4736 E 1,970,167.8951
Delta = 11° 21' 15.7536" (LT)
Degree = 2° 12' 13.2618"
Tangent = 258.4691
Length = 515.2452
Radius = 2,600.0000
External = 12.8158
Long Chord = 514.4025
Mid. Ord. = 12.7529
P.C. Station 385+48.05 N 802,384.4038 E 1,969,909.4333
P.T. Station 390+63.30 N 802,431.4663 E 1,970,421.6784
C.C. N 804,984.3313 E 1,969,928.8493
Back = S 89° 34' 19.6608" E
Ahead = N 79° 04' 24.5852" E
Chord Bear = N 84° 45' 02.4624" E
DS = 50 MPH
eMAX = 8.0%
e= 4.2% (MATCH I-20 S.E.)
LG-PC = 0.50%
LG-PT = 0.50%

Course from PT RAMPF-1 to PC RAMPF-2 N 79° 04' 24.5852" E Dist 315.5943

Curve Data

Curve RAMPF-2
P.I. Station 394+69.60 N 802,508.4807 E 1,970,820.6145
Delta = 23° 05' 34.26" (LT)
Degree = 12° 54' 16.04"
Tangent = 90.7075
Length = 178.9525
Radius = 444.0000
External = 9.1709
Long Chord = 177.7437
Mid. Ord. = 8.9853
P.C. Station 393+78.89 N 802,491.2871 E 1,970,731.5514
P.T. Station 395+57.84 N 802,559.2291 E 1,970,895.7973
C.C. N 802,927.2379 E 1,970,647.3913
Back = N 79° 04' 24.58" E
Ahead = N 55° 58' 50.33" E
Chord Bear = N 67° 31' 37.46" E
DS = 40 MPH
eMAX = 8.0%
e= 8.0%
LG-PC = 0.58%
LG-PT = 0.58%

Course from PT RAMPF-2 to PC RAMPF-3 N 55° 58' 50.33" E Dist 232.0774

Curve Data

Curve RAMPF-3
P.I. Station 399+19.84 N 802,761.7602 E 1,971,195.8433
Delta = 76° 05' 58.64" (LT)
Degree = 34° 30' 55.91"
Tangent = 129.9260
Length = 220.4794
Radius = 166.0000
External = 44.8003
Long Chord = 204.6270
Mid. Ord. = 35.2791
P.C. Station 397+89.92 N 802,689.0701 E 1,971,088.1544
P.T. Station 400+10.40 N 802,883.7582 E 1,971,151.1526
C.C. N 802,826.6590 E 1,970,995.2819
Back = N 55° 58' 50.33" E
Ahead = N 20° 07' 08.31" W
Chord Bear = N 17° 55' 51.01" E
DS = 25 MPH (IN ACCORDANCE WITH DDI GUIDELINES)
eMAX = 4.0% (USING SUPERELEVATION FOR LOW SPEED URBAN)
e= 4.0%
LG-PC = 0.70%
LG-PT = 0.70%

Course from PT RAMPF-3 to ICE2500 N 20° 07' 08.31" W Dist 96.4495

Point ICE2500 N 802,974.3224 E 1,971,117.9768 Sta 401+06.85

Ending chain RAMPF description

LINE F

Beginning chain LINEF description

Curve Data

Curve LINEF-1
P.I. Station 401+33.27 N 802,871.2158 E 1,971,379.4485
Delta = 75° 36' 48.7644" (RT)
Degree = 12° 54' 16.0374"
Tangent = 344.4858
Length = 535.9492
Radius = 444.0000
External = 117.9666
Long Chord = 544.3444
Mid. Ord. = 93.2033
P.C. Station 397+88.78 N 802,678.4853 E 1,971,093.9219
P.T. Station 403+74.73 N 802,642.5287 E 1,971,637.0775
C.C. N 802,310.4765 E 1,971,342.3279
Back = N 55° 58' 50.3297" E
Ahead = S 48° 24' 20.9060" E
Chord Bear = S 86° 12' 45.2882" E
DS = 25 MPH
eMAX = 4.0%
e= 3.0%
LG-PC = 0.70%
LG-PT = 0.70%

Ending chain LINEF description

RAMP G

Beginning chain RAMPG description

Point ICE6200 N 802,298.4837 E 1,970,904.9255 Sta 195+27.54

Course from ICE6200 to ICE6203 N 87° 15' 30.32" E Dist 986.5840

Point ICE6203 N 802,345.6733 E 1,971,890.3802 Sta 205+14.12

Ending chain RAMPG description

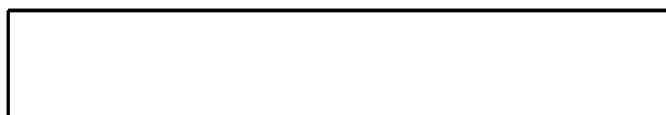

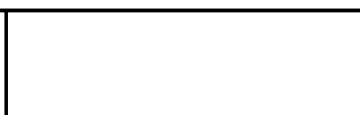
LINE G

Beginning chain LINEG description

Curve Data

Curve LINEG-1
P.I. Station 204+63.39 N 802,359.2282 E 1,971,838.9365
Delta = 112° 53' 45.62" (LT)
Degree = 37° 12' 18.19"
Tangent = 232.2105
Length = 303.4427
Radius = 154.0000
External = 124.6354
Long Chord = 256.6825
Mid. Ord. = 68.8852
P.C. Station 202+31.18 N 802,348.1213 E 1,971,606.9918
P.T. Station 205+34.62 N 802,568.5773 E 1,971,738.4643
C.C. N 802,501.9450 E 1,971,599.6258
Back = N 87° 15' 30.32" E
Ahead = N 25° 38' 15.30" W
Chord Bear = N 30° 48' 37.51" E
DS = 25 MPH (IN ACCORDANCE WITH DDI GUIDELINES)
eMAX = 4.0% (USING SUPERELEVATION FOR LOW SPEED URBAN)
e= 4.0%
LG-PC = 0.70%
LG-PT = 0.70%

Ending chain LINEG description

 JOINT VENTURE 		PRELIMINARY NOT FOR CONSTRUCTION	6				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
			5				
			4				
			3				
			2				CAROLINA CROSSROADS PHASE 2
			1				
SCALE: 1" = 200'			REV. NO.	BY	DATE	DESCRIPTION OF REVISION	REFERENCE DATA SHEET

Z:\Projects\20-8\CCR Ph 2\Roadway\PLANS\51_PROPOSED.dgn
4/14/2022

PROPOSED DATA

RAMP H

Beginning chain RAMPH description
=====

Curve Data

Curve RAMPH-1
P.I. Station 205+61.8231 N 802,519.6891 E 1,971,834.9265
Delta = 101° 10' 38.09" (RT)
Degree = 29° 59' 52.05"
Tangent = 232.4331
Length = 337.2823
Radius = 191.0000
External = 109.8424
Long Chord = 295.1361
Mid. Ord. = 69.7372
P.C. Station 203+29.3900 N 802,355.1394 E 1,971,999.0865
P.T. Station 206+66.6723 N 802,648.8383 E 1,972,028.1766
C.C. Station N 802,490.0366 E 1,972,134.3039
Back = N 44° 55' 55.48" W
Ahead = N 56° 14' 42.61" E
Chord Bear = N 5° 39' 23.56" E
DS = 25 MPH
eMAX = 8.0%
e = 7.6%
LG-PC = 0.70%
LG-PT = 0.70%

Course from PT RAMPH-1 to PC RAMPH-2 N 56° 14' 42.61" E Dist 395.5406

Curve Data

Curve RAMPH-2
P.I. Station 211+43.9086 N 802,914.0101 E 1,972,424.9617
Delta = 5° 15' 20.38" (RT)
Degree = 3° 13' 07.91"
Tangent = 81.6957
Length = 163.2769
Radius = 1,780.0000
External = 1.8738
Long Chord = 163.2196
Mid. Ord. = 1.8718
P.C. Station 210+62.2129 N 802,868.6166 E 1,972,357.0381
P.T. Station 212+25.4897 N 802,952.9909 E 1,972,496.7579
C.C. Station N 801,388.6841 E 1,973,346.0779
Back = N 56° 14' 42.61" E
Ahead = N 61° 30' 02.98" E
Chord Bear = N 58° 52' 22.79" E
DS = 40 MPH
eMAX = 8.0%
e = 4.0%
LG-PC = 0.58%
LG-PT = 0.58%

Ending chain RAMPH description

S-2906 (GARNER LANE)

Beginning chain GARNER description
=====

Point ICE7600 N 802,328.1476 E 1,972,826.4343 Sta 9214+92.02

Course from ICE7600 to PC GARNER-1 N 47° 33' 14.26" W Dist 356.0523

Curve Data

Curve GARNER-1
P.I. Station 9221+89.98 N 802,799.2000 E 1,972,311.3978
Delta = 107° 39' 09.53" (RT)
Degree = 22° 55' 05.92"
Tangent = 341.9112
Length = 469.7233
Radius = 250.0000
External = 173.5602
Long Chord = 403.6158
Mid. Ord. = 102.4413
P.C. Station 9218+48.07 N 802,568.4456 E 1,972,563.6986
P.T. Station 9223+17.80 N 802,969.6453 E 1,972,607.7956
C.C. Station N 802,752.9240 E 1,972,732.4225
Back = N 47° 33' 14.26" W
Ahead = N 60° 05' 55.27" E
Chord Bear = N 6° 16' 20.51" E
DS = 30 MPH
eMAX = 4.0%
e = 4.0%
LG-PC = 0.66%
LG-PT = 0.66%

Course from PT GARNER-1 to PC GARNER-2 N 60° 05' 55.27" E Dist 210.5561

Curve Data

Curve GARNER-2
P.I. Station 9226+47.73 N 803,134.1177 E 1,972,893.8068
Delta = 2° 35' 25.14" (RT)
Degree = 1° 05' 06.53"
Tangent = 119.3736
Length = 238.7065
Radius = 5,280.0000
External = 1.3493
Long Chord = 238.6862
Mid. Ord. = 1.3489
P.C. Station 9225+28.35 N 803,074.6091 E 1,972,790.3236
P.T. Station 9227+67.06 N 803,188.8887 E 1,972,999.8737
C.C. Station N 798,497.4546 E 1,975,422.4437
Back = N 60° 05' 55.27" E
Ahead = N 62° 41' 20.41" E
Chord Bear = N 61° 23' 37.84" E
DS = 30 MPH
eMAX = 4.0%
e = NC
LG-PC = N/A
LG-PT = N/A

Course from PT GARNER-2 to ICE7624 N 62° 41' 20.41" E Dist 68.0106

Point ICE7624 N 803,220.0934 E 1,973,060.3031 Sta 9228+35.07

Ending chain GARNER description

RAMP Z

Beginning chain RAMPZ description
=====

Curve Data

Curve RAMPZ-1
P.I. Station 887+95.02 N 802,435.4318 E 1,970,155.8439
Delta = 3° 15' 14.3892" (RT)
Degree = 1° 03' 32.6582"
Tangent = 153.6663
Length = 307.2499
Radius = 5,410.0000
External = 2.1819
Long Chord = 307.2086
Mid. Ord. = 2.1811
P.C. Station 886+41.35 N 802,430.1278 E 1,970,002.2692
P.T. Station 889+48.60 N 802,432.0099 E 1,970,309.4721
C.C. Station N 797,023.3514 E 1,970,189.0029
Back = N 88° 01' 19.0668" E
Ahead = S 88° 43' 26.5440" E
Chord Bear = N 89° 38' 56.2614" E
DS = 40 MPH
eMAX = 8.0%
e = NC
LG-PC = N/A
LG-PT = N/A

Curve Data

Curve RAMPZ-2
P.I. Station 890+51.75 N 802,429.7130 E 1,970,412.5962
Delta = 12° 12' 08.8704" (LT)
Degree = 5° 56' 14.5913"
Tangent = 103.1497
Length = 205.5191
Radius = 965.0000
External = 5.4972
Long Chord = 205.1309
Mid. Ord. = 5.4881
P.C. Station 889+48.60 N 802,432.0099 E 1,970,309.4720
P.T. Station 891+54.12 N 802,449.2650 E 1,970,513.8759
C.C. Station N 803,396.7707 E 1,970,330.9605
Back = S 88° 43' 26.5440" E
Ahead = N 79° 04' 24.5856" E
Chord Bear = N 85° 10' 29.0208" E
DS = 40 MPH
eMAX = 8.0%
e = 6.0%
LG-PC = 0.58%
LG-PT = 0.58%

Ending chain RAMPZ description

LINE H

Beginning chain LINEH description
=====

Point ICE6280 N 802,732.92 E 1,971,751.41 Sta 203+71.02

Course from ICE6280 to PC LINEH-1 S 48° 24' 20.9000" E Dist 47.88

Curve Data

Curve LINEH-1
P.I. Station 205+85.69 N 802,590.41 E 1,971,911.95
Delta = 75° 20' 56.5000" (LT)
Degree = 26° 31' 32.9659"
Tangent = 166.79
Length = 284.06
Radius = 216.00
External = 56.90
Long Chord = 264.03
Mid. Ord. = 45.04
P.C. Station 204+18.90 N 802,701.13 E 1,971,787.22
P.T. Station 207+02.95 N 802,683.09 E 1,972,050.63
C.C. Station N 802,862.67 E 1,971,930.61
Back = S 48° 24' 20.9000" E
Ahead = N 56° 14' 42.6000" E
Chord Bear = S 86° 04' 49.1500" E
DS = 25 MPH (IN ACCORDANCE WITH DDI GUIDELINES)
eMAX = 4.0%
e = 3.8%
LG-PC = 0.70%
LG-PT = 0.70%

Ending chain LINEH description

BR42BCROWN

Beginning chain BR42BCROWN description
=====

Point BRCR4210 N 802,827.0668 E 1,971,645.3480 Sta 414+45.62

Course from BRCR4210 to BRCR4220 S 48° 24' 20.9058" E Dist 299.6323

Point BRCR4220 N 802,628.1558 E 1,971,869.4326 Sta 417+45.25

Ending chain BR42BCROWN description

GLDR1 (DRIVEWAY FROM GARNER LANE)

Beginning chain GLDR1 description
=====

Point ICE558 N 802,820.0464 E 1,972,491.6018 Sta 9+96.88

Course from ICE558 to PC GLDR1-1 N 74° 47' 34.81" W Dist 26.1500

Curve Data

Curve GLDR1-1
P.I. Station 10+62.43 N 802,837.24 E 1,972,428.35
Delta = 55° 25' 34.9135" (LT)
Degree = 76° 23' 39.7417"
Tangent = 39.40
Length = 72.55
Radius = 75.00
External = 9.72
Long Chord = 69.76
Mid. Ord. = 8.60
P.C. Station 10+23.03 N 802,826.91 E 1,972,466.37
P.T. Station 10+95.58 N 802,811.80 E 1,972,398.27
C.C. Station N 802,754.53 E 1,972,446.69
Back = N 74° 47' 34.8103" W
Ahead = S 49° 46' 50.2762" W
Chord Bear = S 77° 29' 37.7330" W
DS = N/A
eMAX = N/A
e = NC
LG-PC = N/A
LG-PT = N/A

Course from PT GLDR1-1 to PC GLDR1-2 S 49° 46' 50.2762" W Dist 78.91

Curve Data

Curve GLDR1-2
P.I. Station 12+34.89 N 802,721.84 E 1,972,291.89
Delta = 77° 41' 40.2494" (LT)
Degree = 76° 23' 39.7417"
Tangent = 60.40
Length = 101.70
Radius = 75.00
External = 21.30
Long Chord = 94.09
Mid. Ord. = 16.59
P.C. Station 11+74.49 N 802,760.85 E 1,972,338.01
P.T. Station 12+76.19 N 802,668.47 E 1,972,320.17
C.C. Station N 802,703.58 E 1,972,386.44
Back = S 49° 46' 50.2762" W
Ahead = S 27° 54' 49.9732" E
Chord Bear = S 10° 56' 00.1515" W
DS = N/A
eMAX = N/A
e = NC
LG-PC = N/A
LG-PT = N/A

Course from PT GLDR1-2 to ICE556 S 27° 54' 49.9732" E Dist 18.11

Point ICE556 N 802,652.46 E 1,972,328.65 Sta 12+94.31

Ending chain GLDR1 description

BRIARGATE

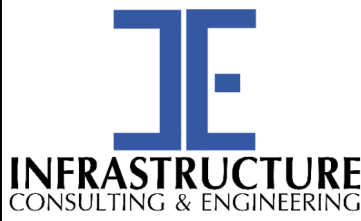
Beginning chain BRIARGATE description
=====

Point ICE801 N 803,251.5608 E 1,970,933.3049 Sta 9+98.65

Course from ICE801 to ICE803 S 45° 08' 00.45" W Dist 201.3510

Point ICE803 N 803,109.5162 E 1,970,790.5970 Sta 12+00.00

Ending chain BRIARGATE description



PRELIMINARY
NOT FOR CONSTRUCTION

SCALE: 1" = 200'

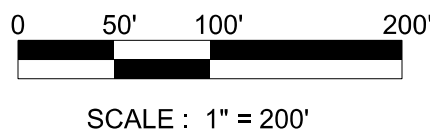
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

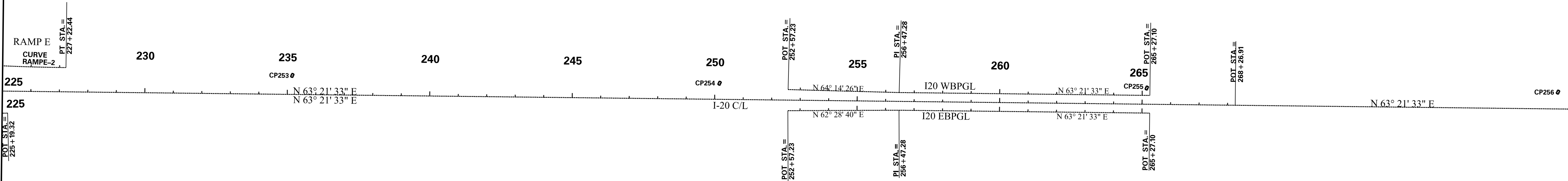
CAROLINA CROSSROADS PHASE 2

REFERENCE DATA SHEET

Z:\Projects\20-8\CCR Ph 2\Roadway\PLANS\5K_PROPOSED.dgn
4/14/2022

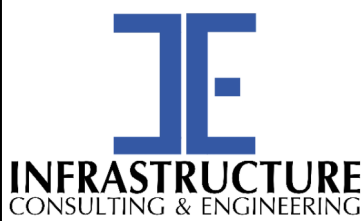


MATCHLINE STA. 225+00 SEE SHEET 5J



PROPOSED DATA

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	5K



PRELIMINARY
NOT FOR CONSTRUCTION

SCALE: 1" = 200'

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
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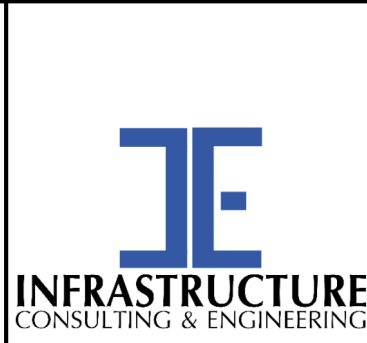
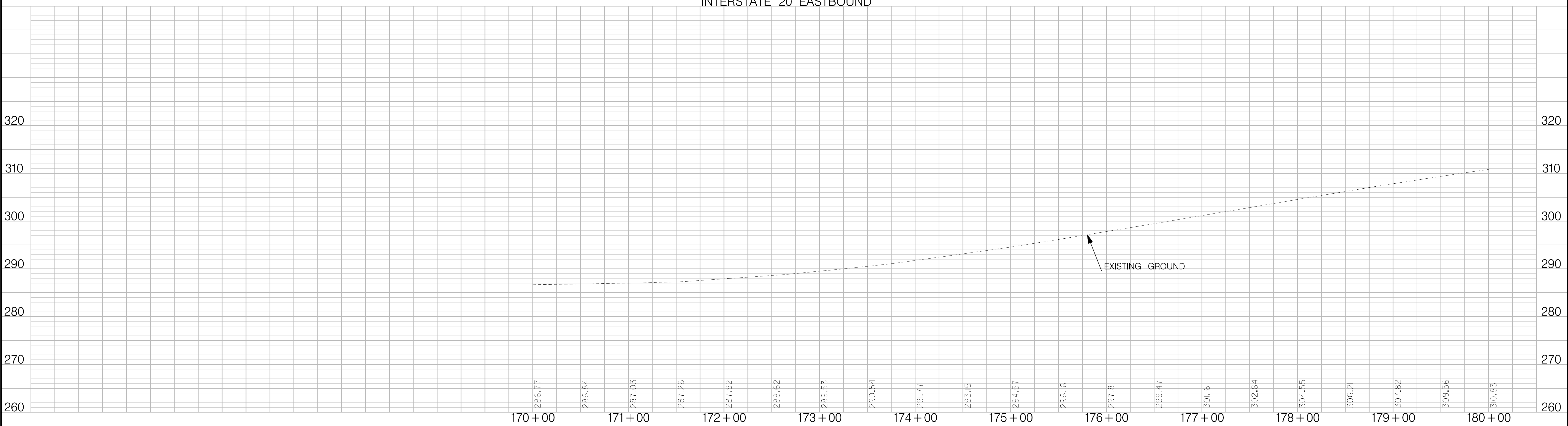
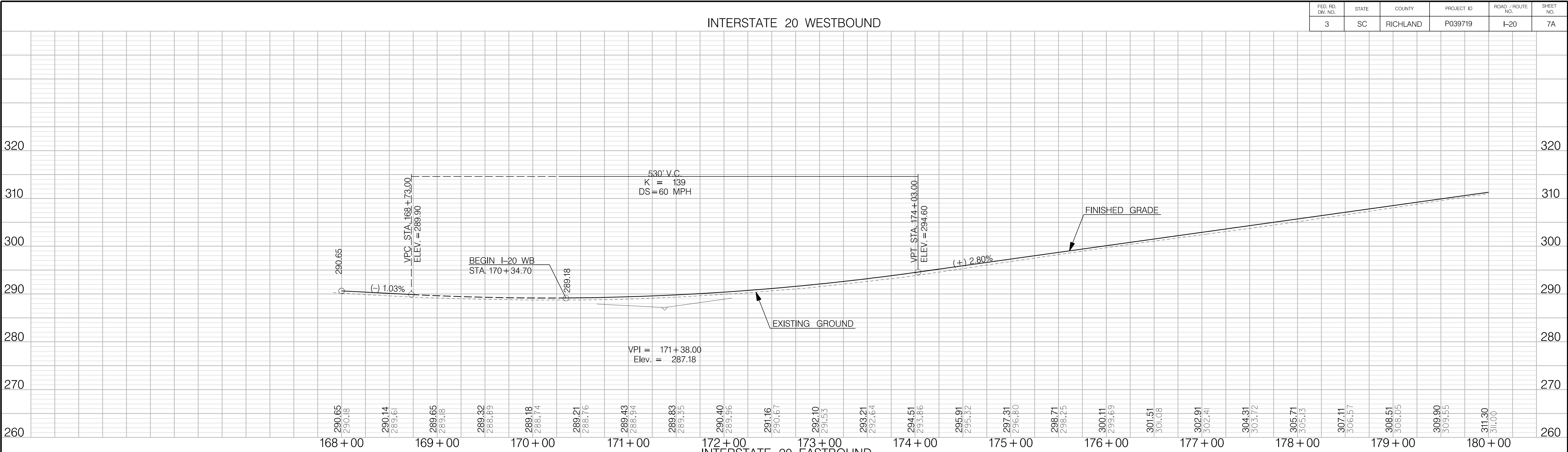
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

CAROLINA CROSSROADS PHASE 2

REFERENCE DATA SHEET

Z:\Projects\20-8\CCR Ph 2\Roadway\PLANS\SHEET 7A.dgn
4/14/2022

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	7A



PRELIMINARY
NOT FOR CONSTRUCTION

SCALE: 1" = 50' HORIZONTAL 1" = 10' VERTICAL

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

CAROLINA CROSSROADS PHASE 2

PROFILE SHEET

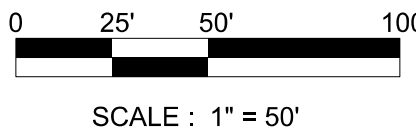
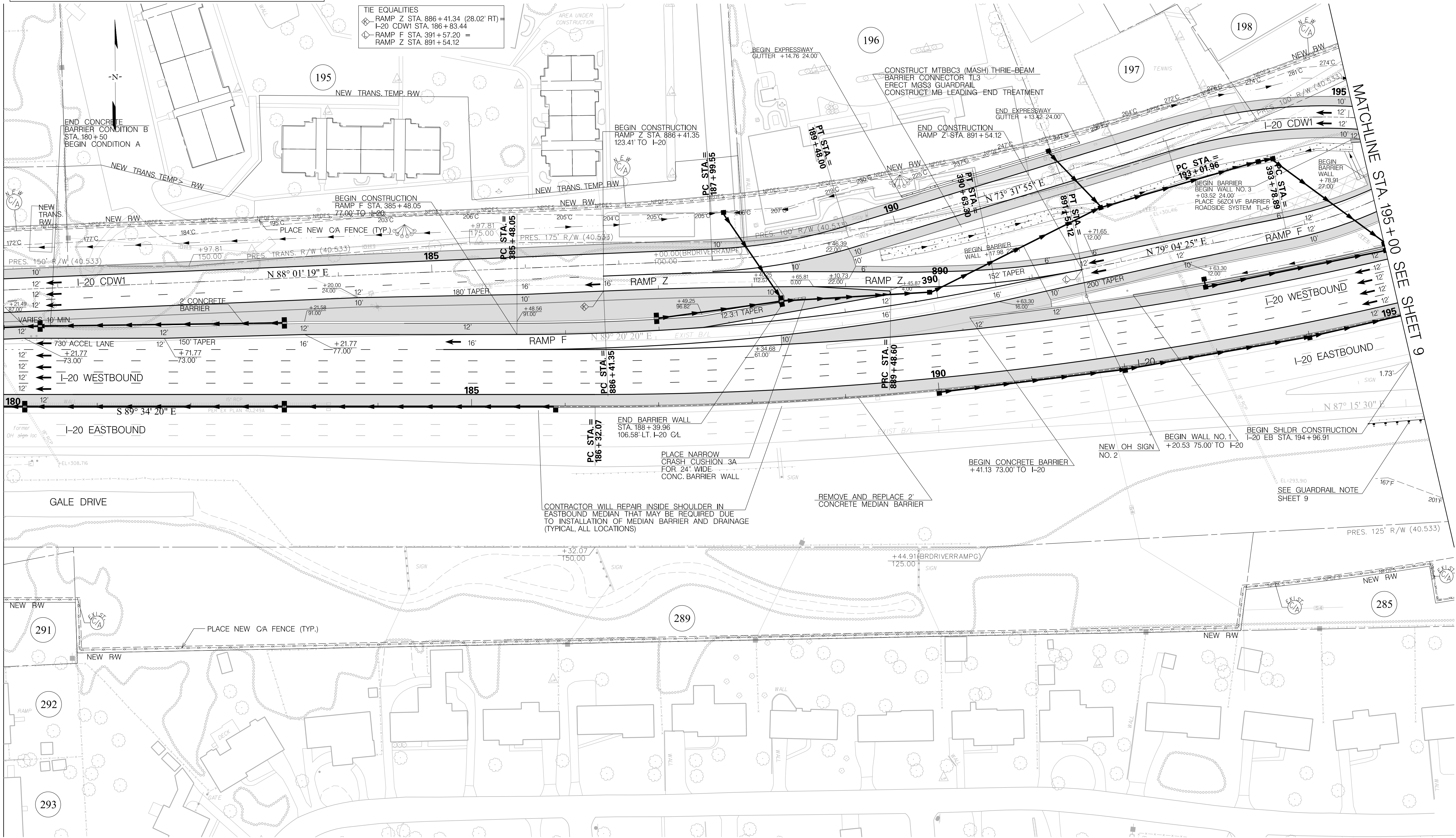
FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	8

NOTE:
RIGHT OF WAY SECURED UNDER PROJECT ID P027662

TIE EQUALITIES
◇ RAMP Z STA. 886+41.34 (28.02' RT) =
I-20 CDW1 STA. 186+83.44
◇ RAMP F STA. 391+57.20 =
RAMP Z STA. 891+54.12

MATCHLINE STA. 180+00 SEE SHEET 7

MATCHLINE STA. 195+00 SEE SHEET 9



ALIGNMENT CONTROL CAN BE FOUND ON
REFERENCE DATA SHEET



PRELIMINARY
NOT FOR CONSTRUCTION

SCALE: 1" = 50'

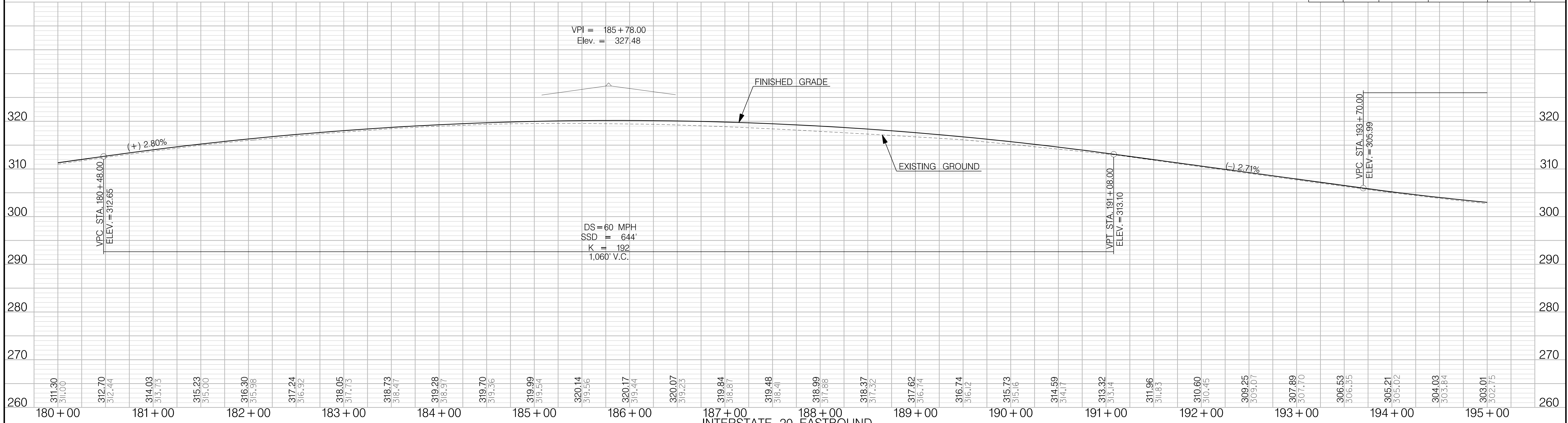
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

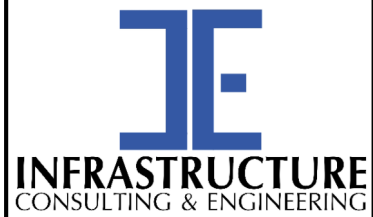
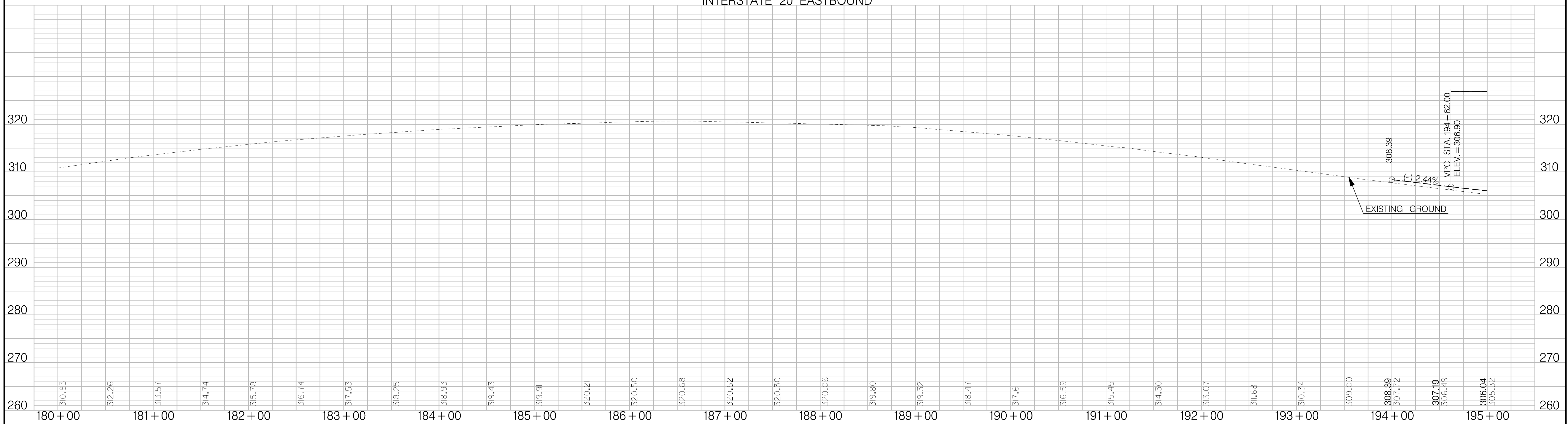
CAROLINA CROSSROADS PHASE 2

PLAN SHEET

INTERSTATE 20 WESTBOUND



INTERSTATE 20 EASTBOUND



PRELIMINARY
NOT FOR CONSTRUCTION

SCALE: 1" = 50' HORIZONTAL 1" = 10' VERTICAL

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ROW NO.	PV	DATE	DESCRIPTION OF REVISION

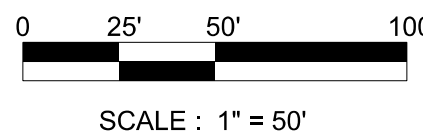
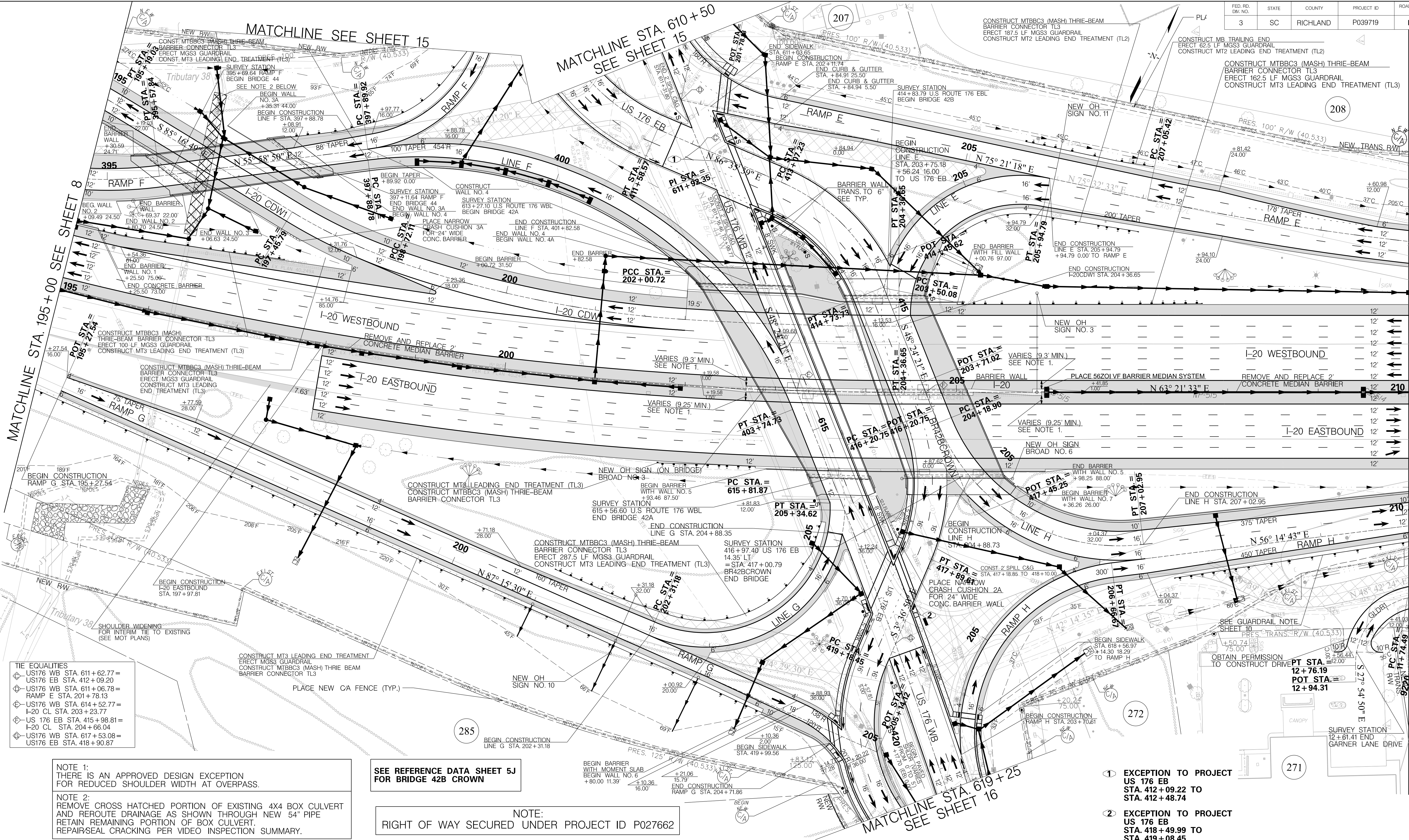
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

CAROLINA CROSSROADS PHASE :

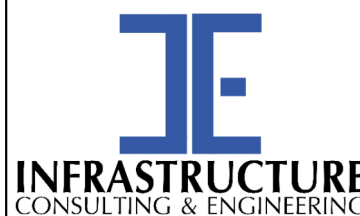
PROFILE SHEET

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4/14/2022

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	9



ALIGNMENT CONTROL CAN BE FOUND ON
REFERENCE DATA SHEET



PRELIMINARY
NOT FOR CONSTRUCTION

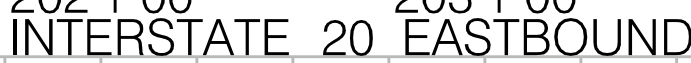
SCALE: 1" = 50'

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
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SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

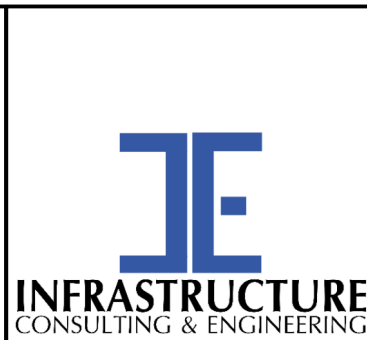
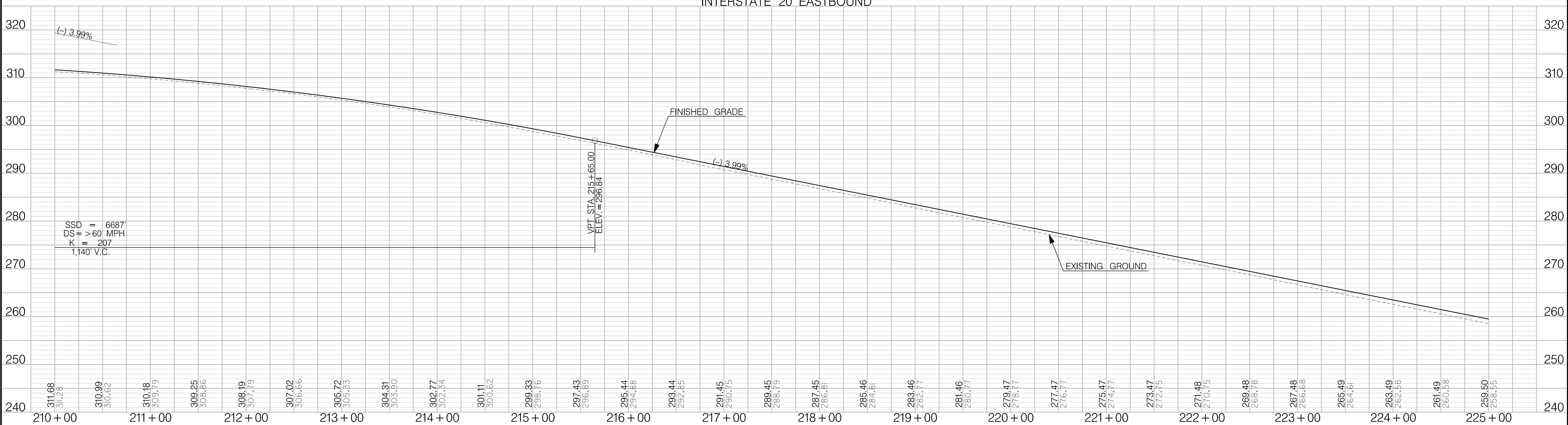
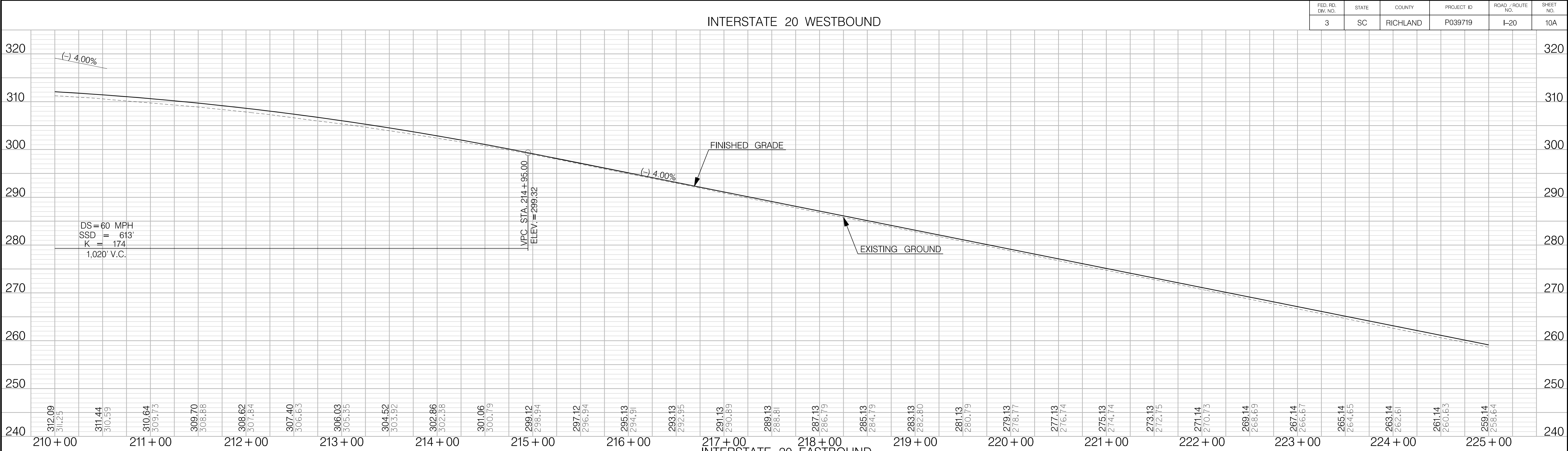
CAROLINA CROSSROADS PHASE 2

PLAN SHEET



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4/14/2022

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	10A



PRELIMINARY
NOT FOR CONSTRUCTION

SCALE: 1" = 50' HORIZONTAL 1" = 10' VERTICAL

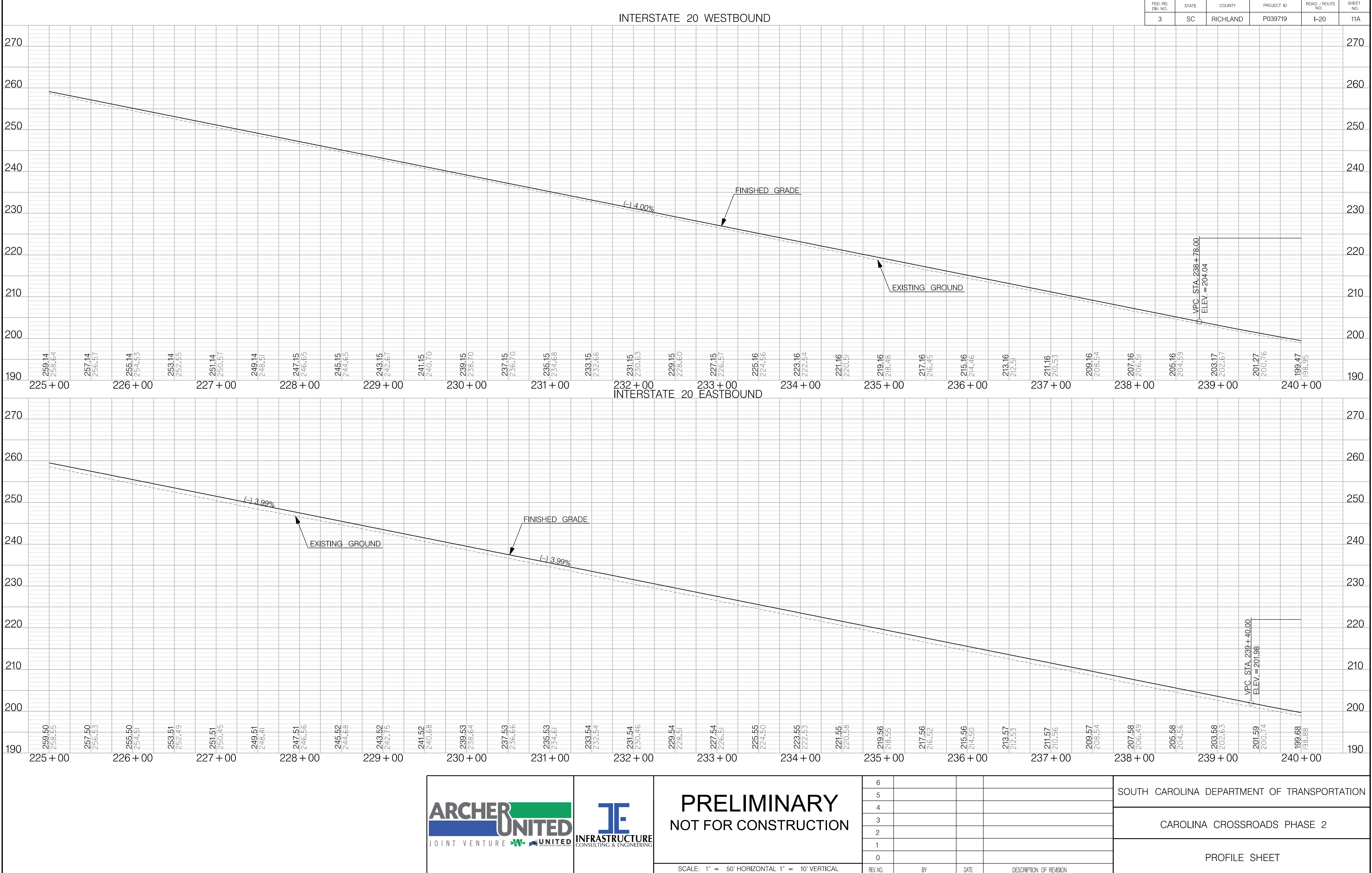
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

CAROLINA CROSSROADS PHASE 2

PROFILE SHEET

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4/14/2022



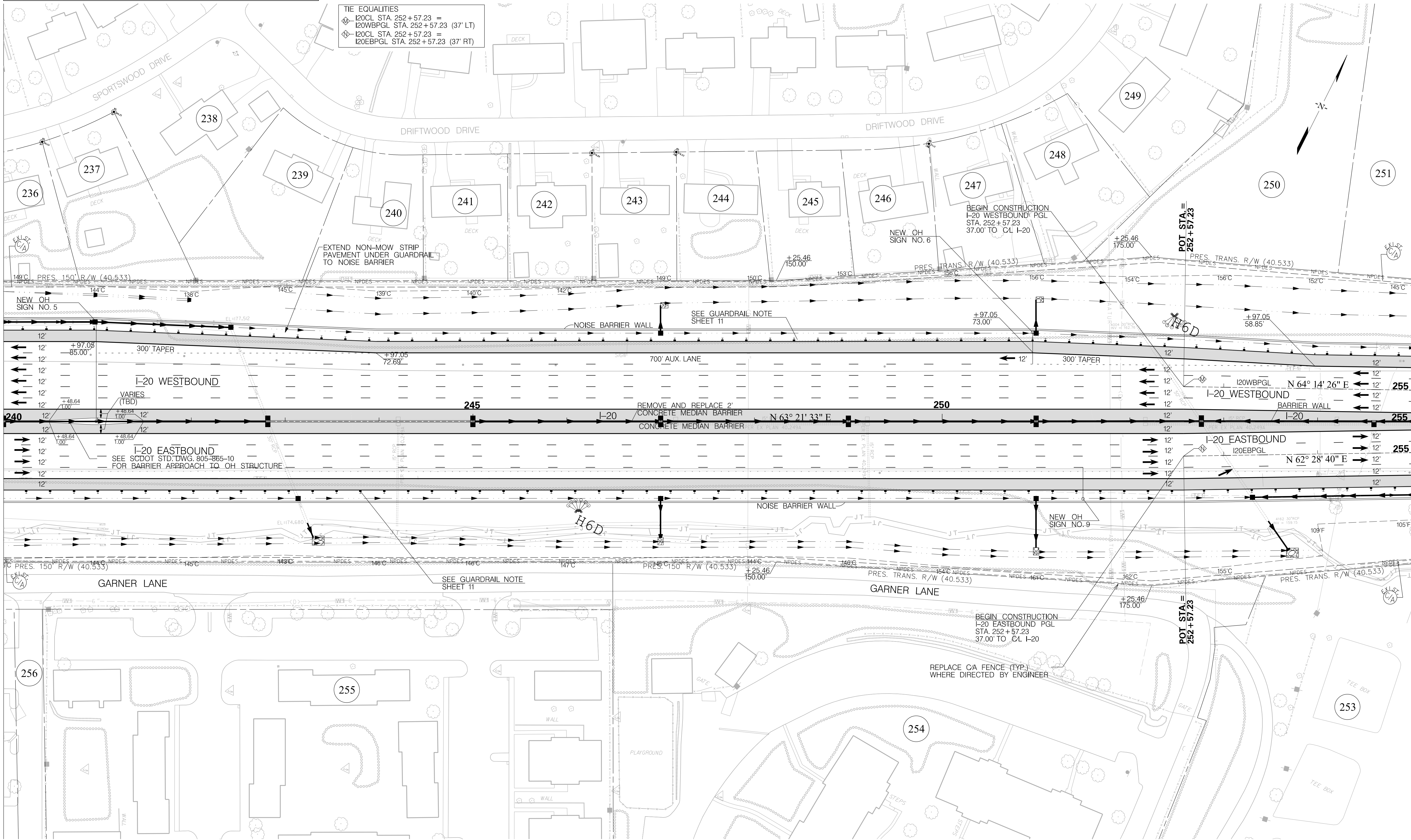
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4/14/2022

MATCHLINE STA. 240+00 SEE SHEET 11

NOTE:
RIGHT OF WAY SECURED UNDER PROJECT ID P027662

TIE EQUALITIES
I20CL STA. 252+57.23 =
I20WBPGL STA. 252+57.23 (37' LT)
I20CL STA. 252+57.23 =
I20EBPGL STA. 252+57.23 (37' RT)

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	12



MATCHLINE STA. 255+00 SEE SHEET 13

0 25' 50' 100'

SCALE : 1" = 50'

ALIGNMENT CONTROL CAN BE FOUND ON
REFERENCE DATA SHEET

ARCHER
UNITED

JOINT VENTURE

IE

INFRASTRUCTURE

CONSULTING & ENGINEERING

PRELIMINARY
NOT FOR CONSTRUCTION

SCALE: 1" = 50'

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION

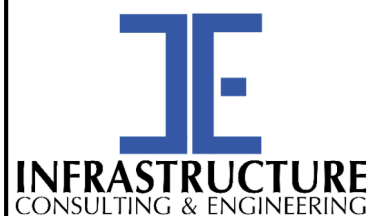
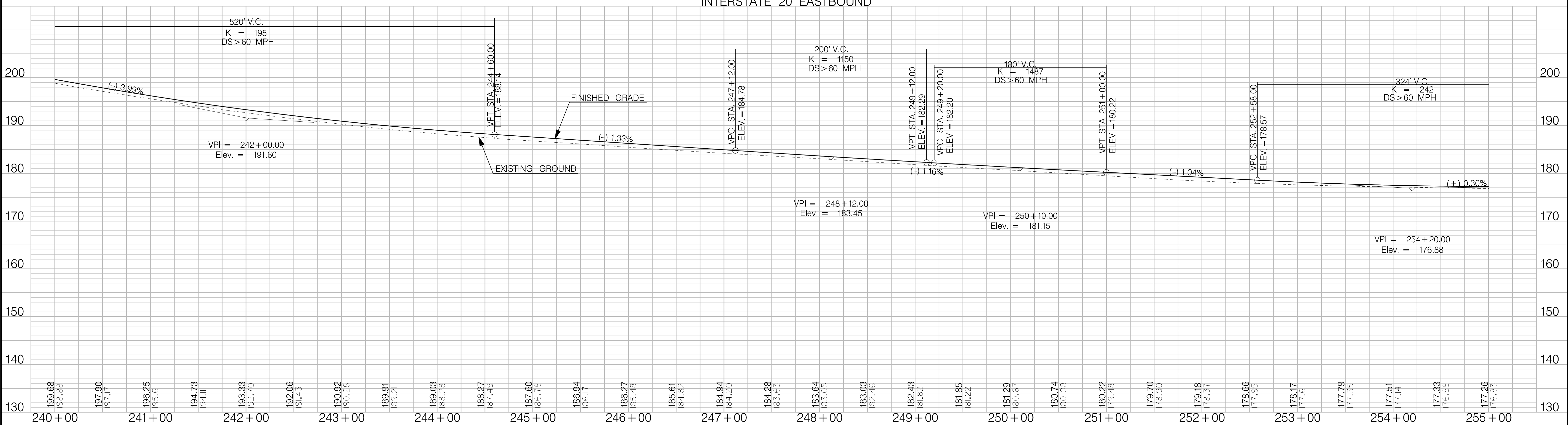
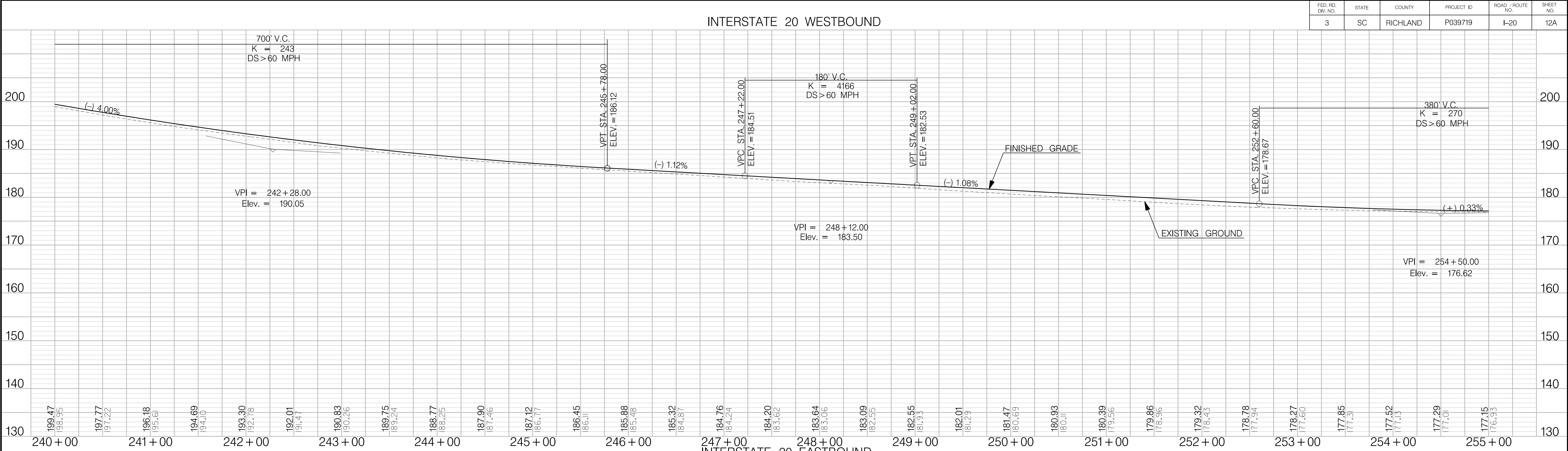
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

CAROLINA CROSSROADS PHASE 2

PLAN SHEET

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4/14/2022

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	12A



PRELIMINARY
NOT FOR CONSTRUCTION

SCALE: 1" = 50' HORIZONTAL 1" = 10' VERTICAL

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

CAROLINA CROSSROADS PHASE 2

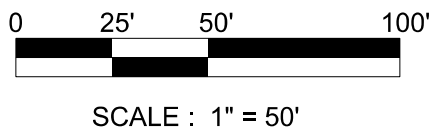
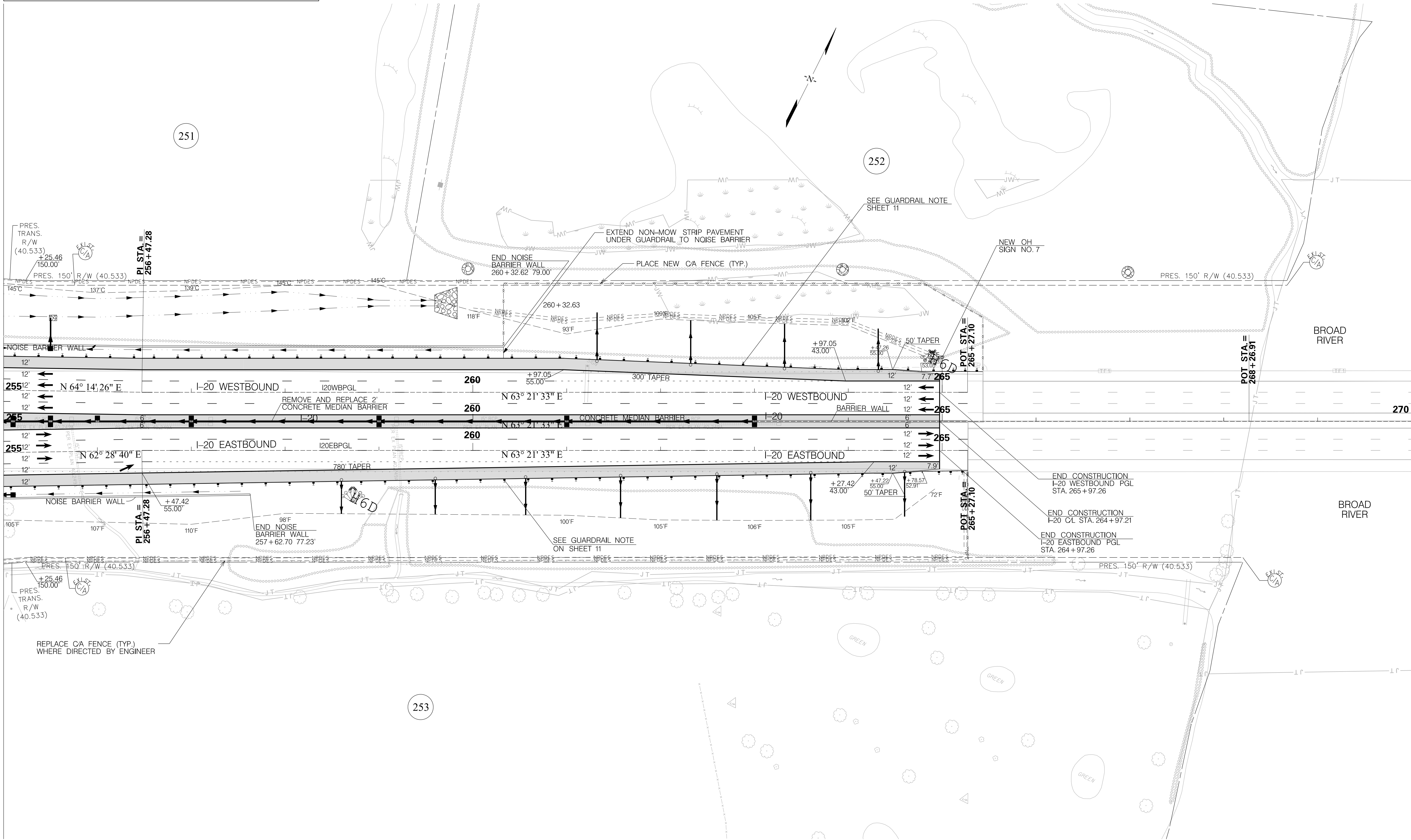
PROFILE SHEET

NOTE:
RIGHT OF WAY SECURED UNDER PROJECT ID P027662

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	13

MATCHLINE STA. 255 + 00 SEE SHEET 12

MATCHLINE STA. 270 + 00 SEE SHEET 14



ALIGNMENT CONTROL CAN BE FOUND ON
REFERENCE DATA SHEET



PRELIMINARY
NOT FOR CONSTRUCTION

SCALE: 1" = 50'

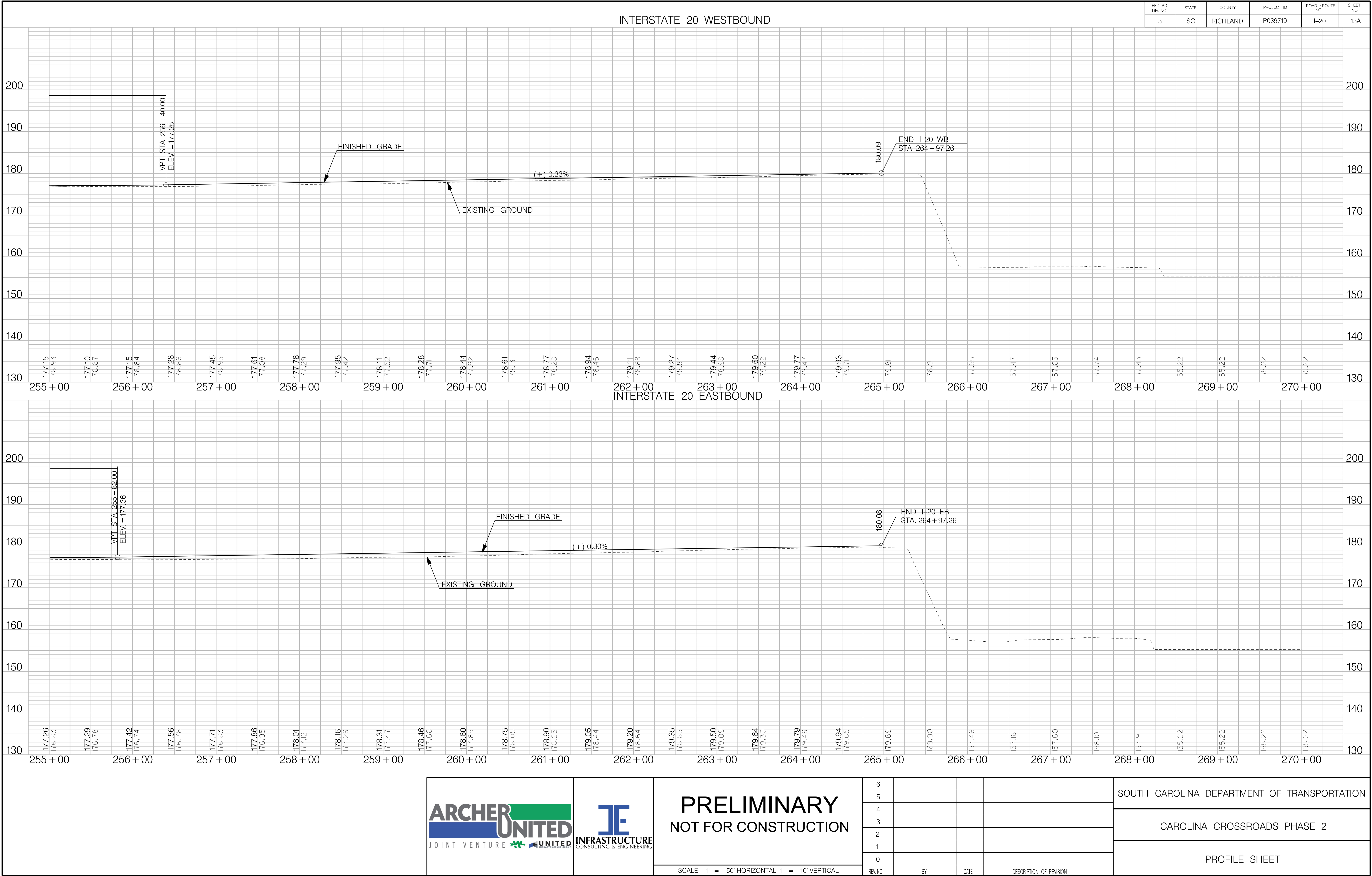
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

CAROLINA CROSSROADS PHASE 2

PLAN SHEET

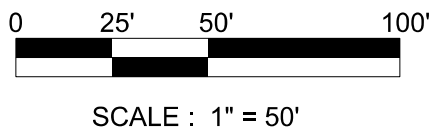
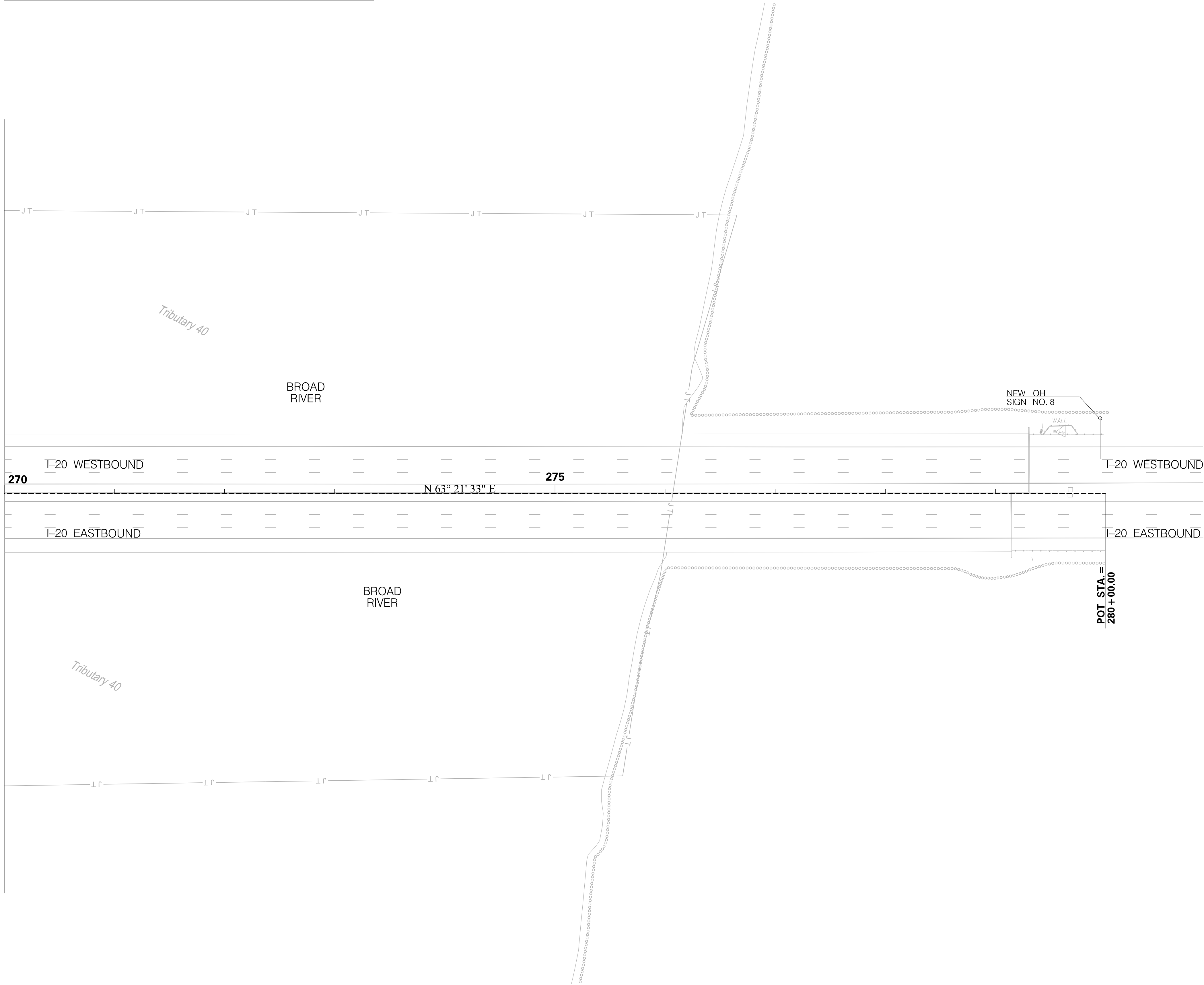
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4/14/2022



NOTE:
RIGHT OF WAY SECURED UNDER PROJECT ID P027662

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	14

MATCHLINE STA. 270 + 00 SEE SHEET 13



ALIGNMENT CONTROL CAN BE FOUND ON
REFERENCE DATA SHEET



PRELIMINARY
NOT FOR CONSTRUCTION

SCALE: 1" = 50'

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

CAROLINA CROSSROADS PHASE 2

PLAN SHEET

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	15



SCALE: 1" = 50'

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION

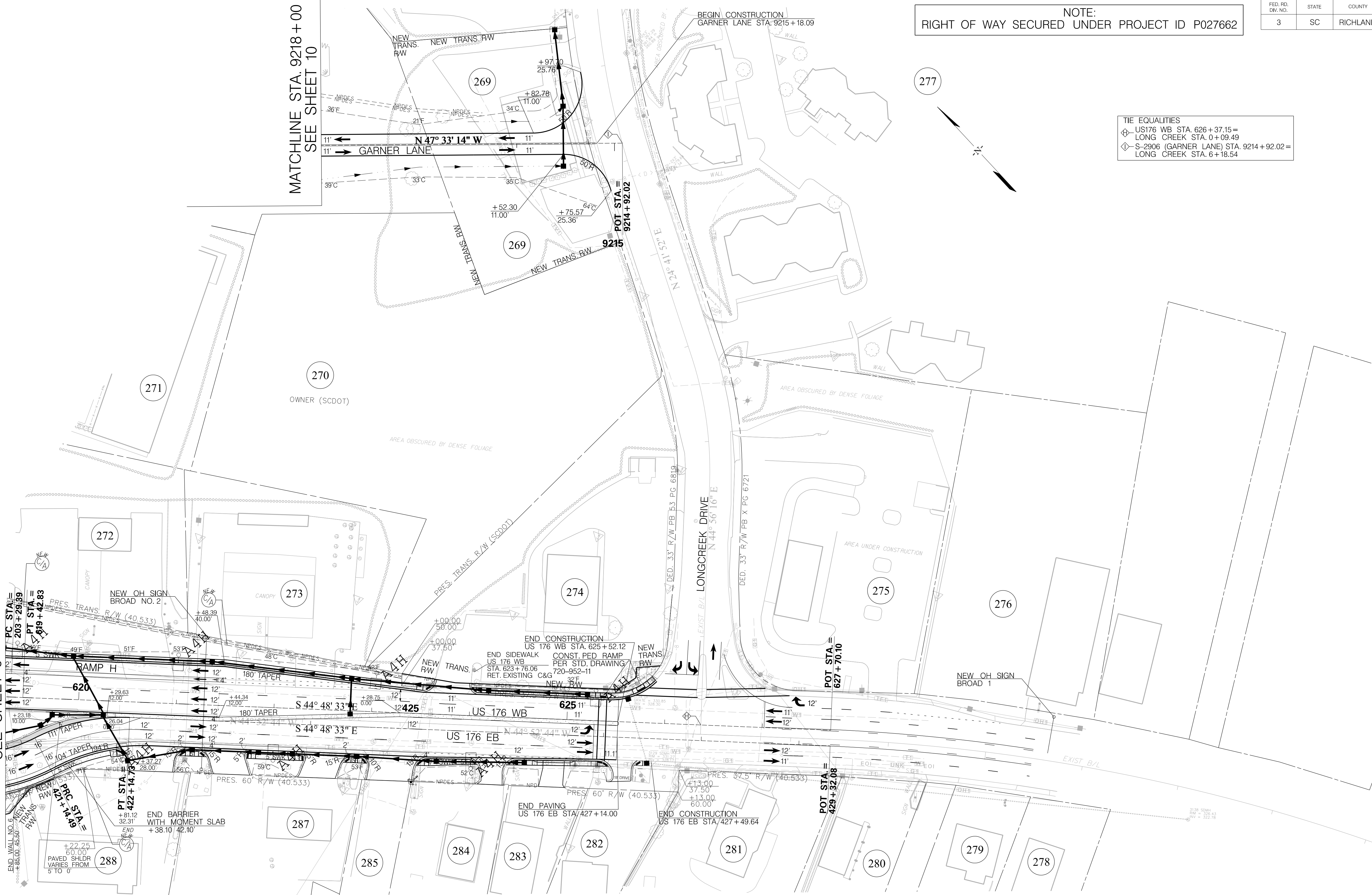
PLAN SHEET

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4/14/2022

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4/14/2022

MATCHLINE STA. 619+25
SEE SHEET 9

MATCHLINE STA. 9218+00
SEE SHEET 10



NOTE:
RIGHT OF WAY SECURED UNDER PROJECT ID P027662

TIE EQUALITIES
US176 WB STA. 626+37.15 =
LONG CREEK STA. 0+09.49
S-2906 (GARNER LANE) STA. 9214+92.02 =
LONG CREEK STA. 6+18.54

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	16

025'50'100'

SCALE : 1" = 50'

ALIGNMENT CONTROL CAN BE FOUND ON
REFERENCE DATA SHEET

ARCHER
UNITED

JOINT VENTURE

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INFRASTRUCTURE

CONSULTING & ENGINEERING

PRELIMINARY
NOT FOR CONSTRUCTION

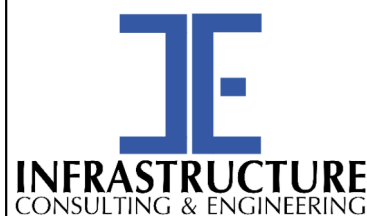
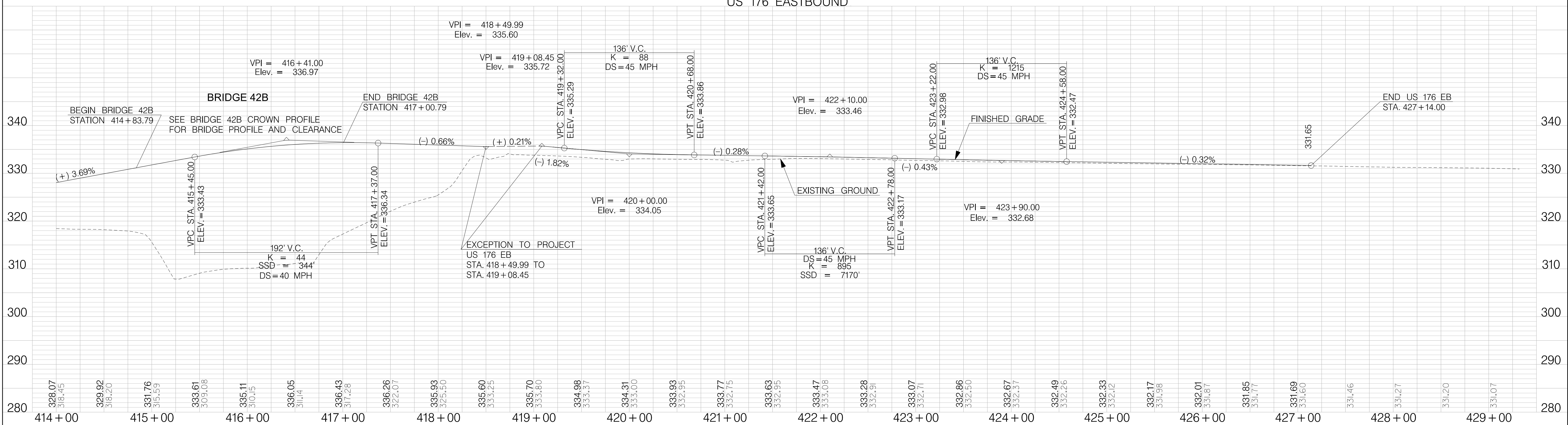
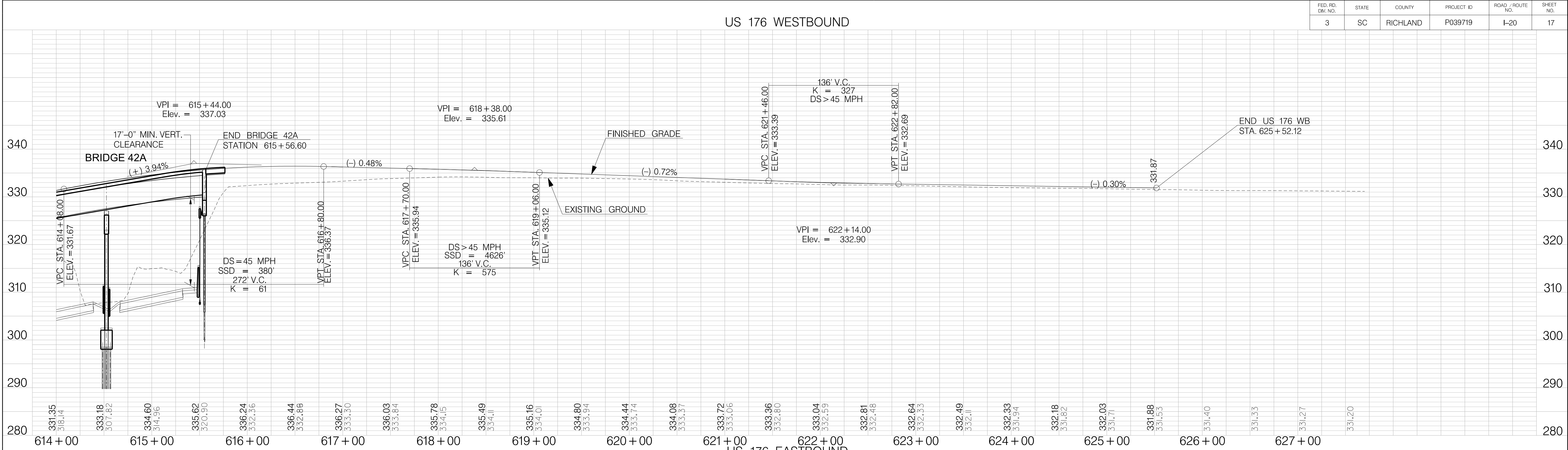
SCALE: 1" = 50'

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION	
CAROLINA CROSSROADS PHASE 2	
PLAN SHEET	

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4/14/2022

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	17



PRELIMINARY
NOT FOR CONSTRUCTION

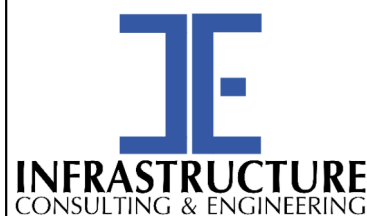
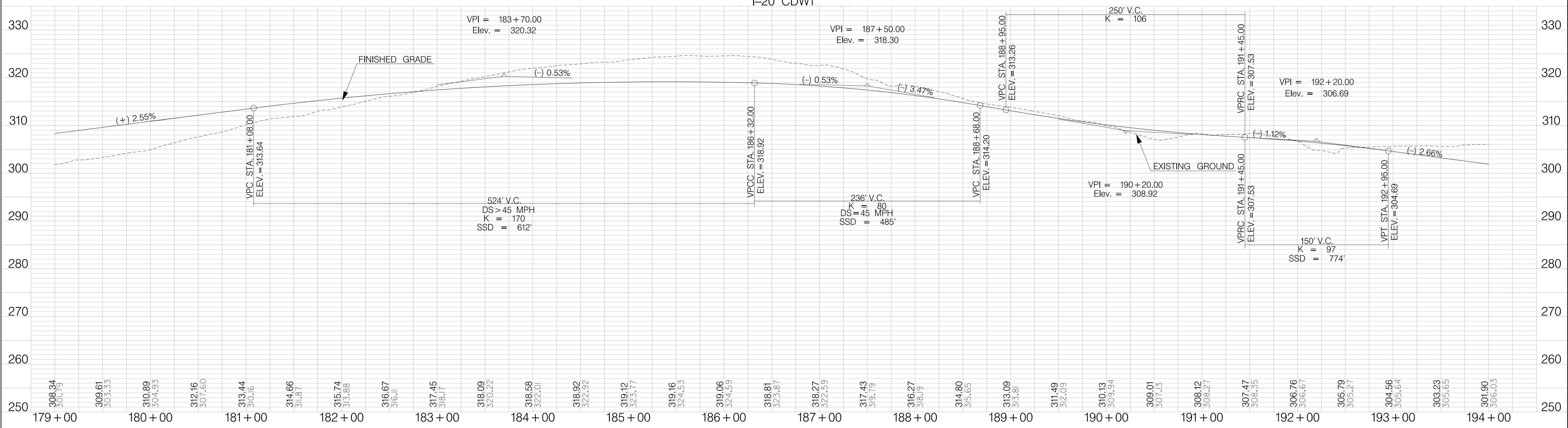
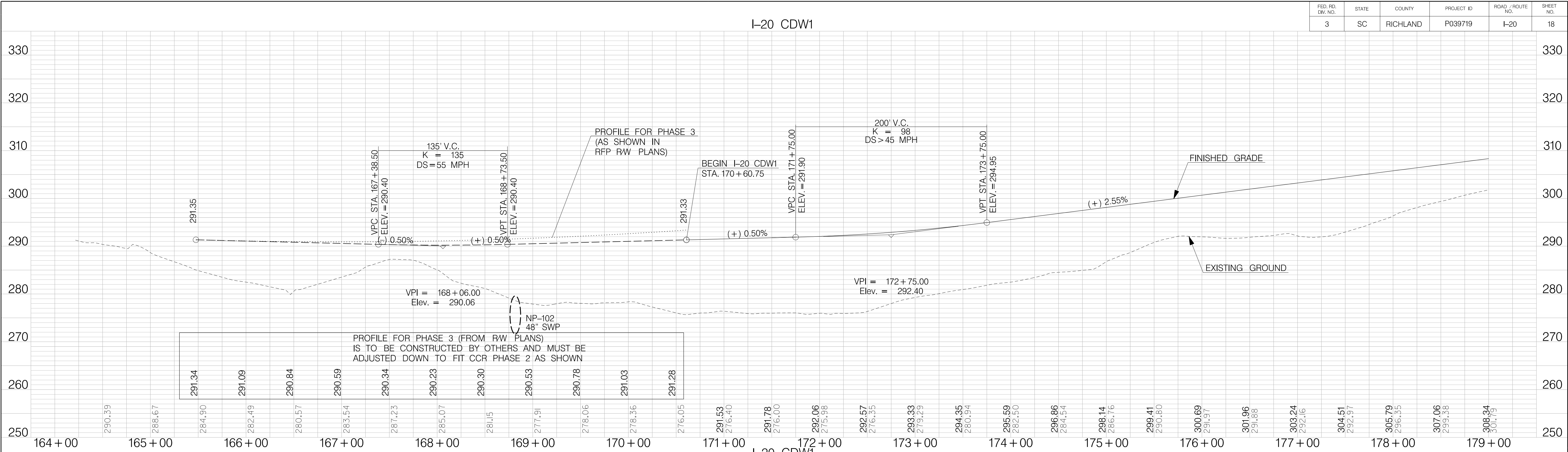
SCALE: 1" = 50' HORIZONTAL 1" = 10' VERTICAL

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
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SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
CAROLINA CROSSROADS PHASE 2
PROFILE SHEET

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4/14/2022

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	18



PRELIMINARY
NOT FOR CONSTRUCTION

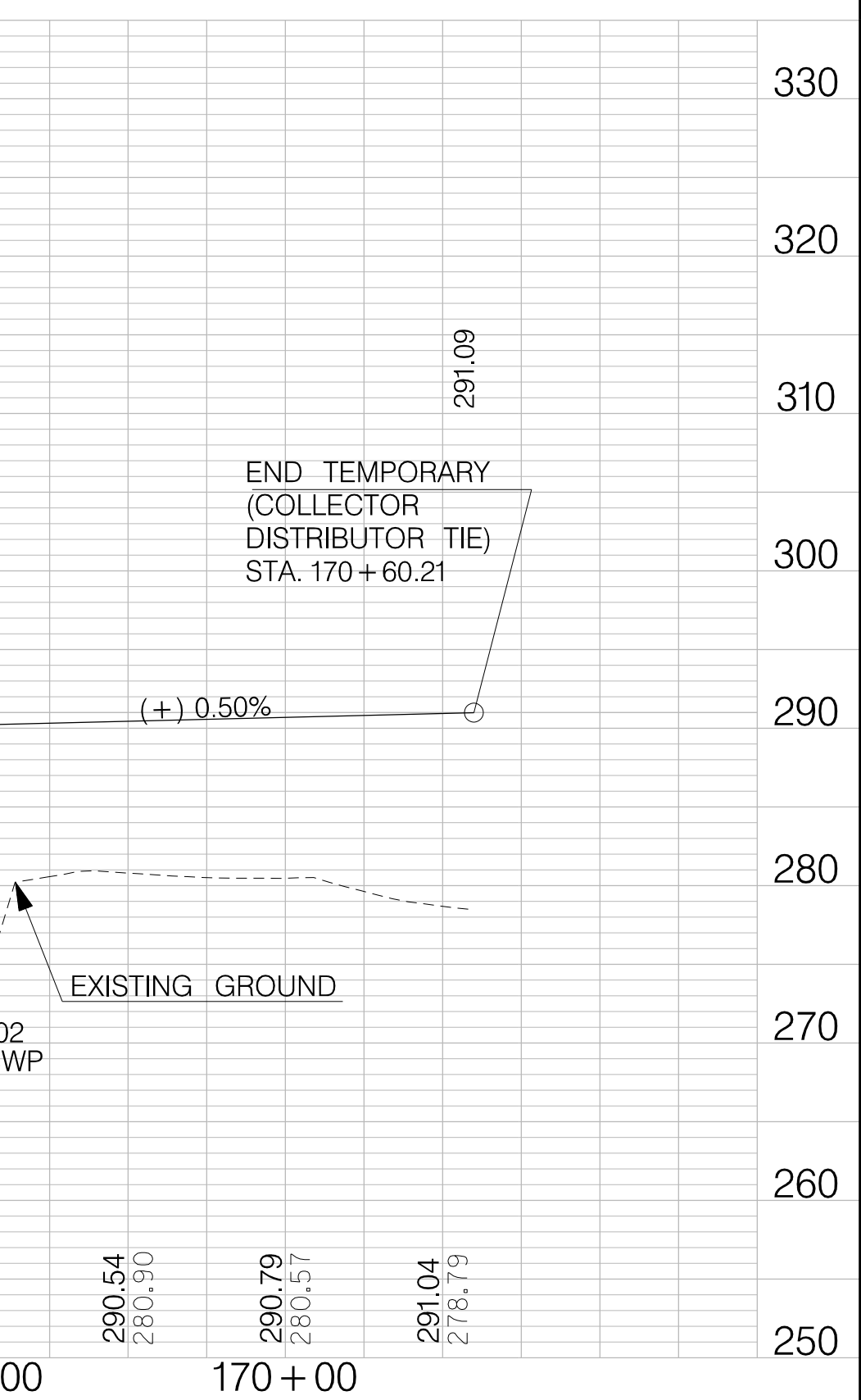
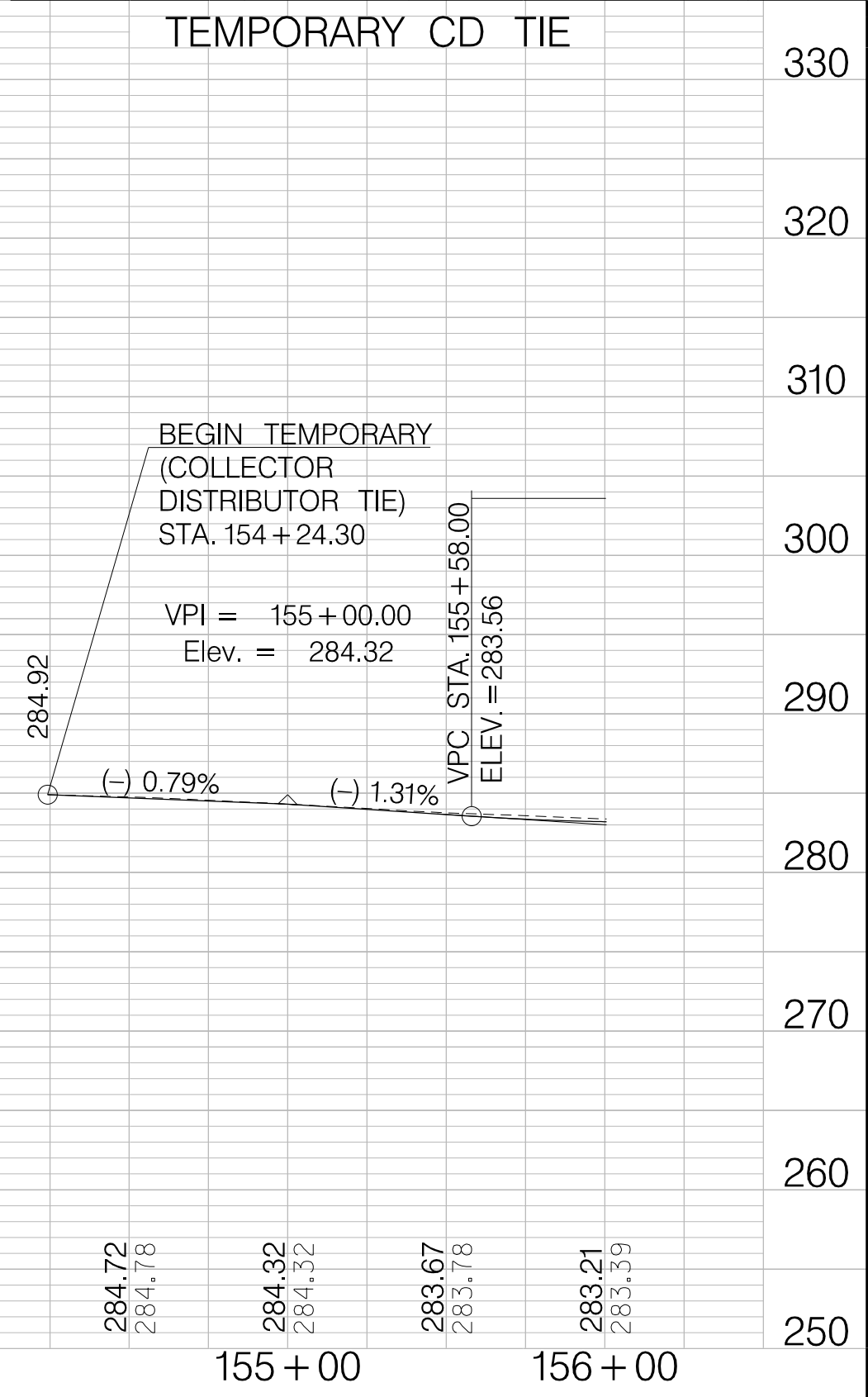
SCALE: 1" = 50' HORIZONTAL 1" = 10' VERTICAL

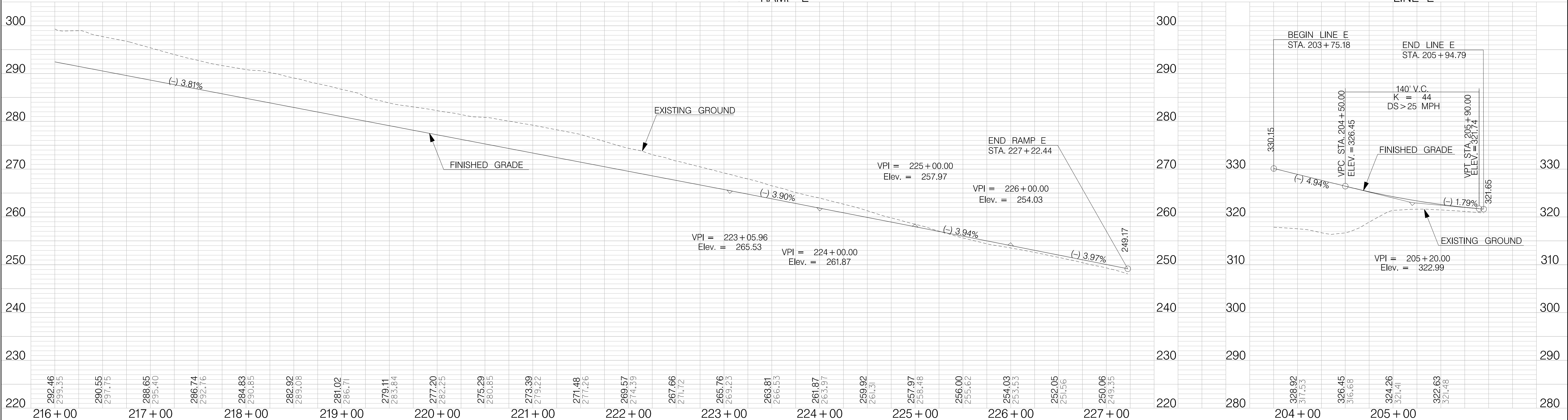
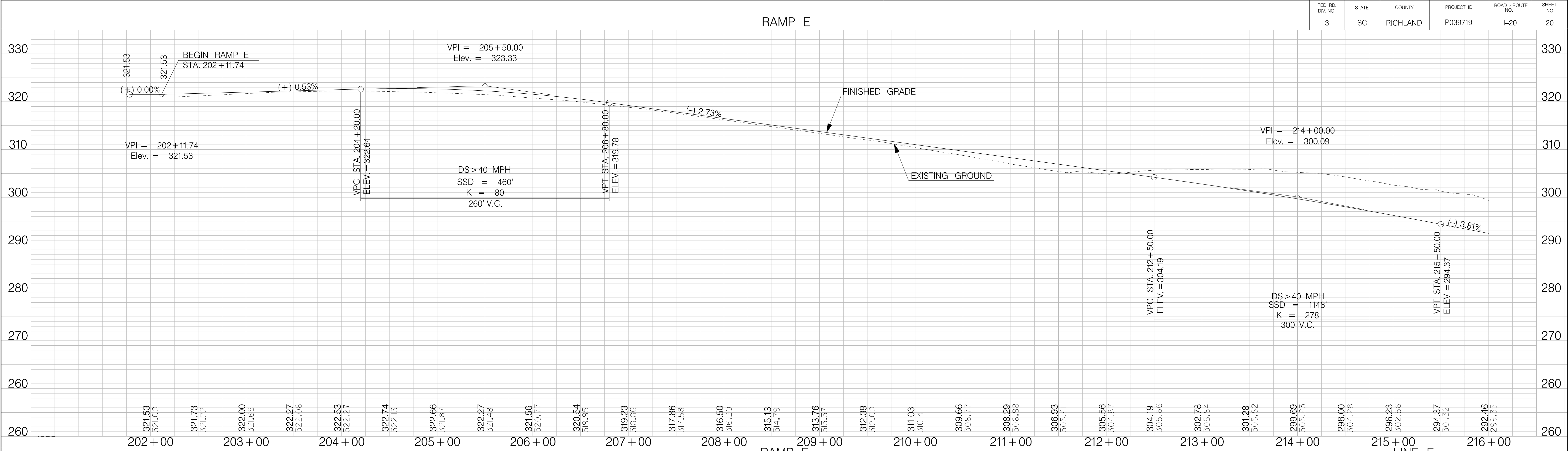
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

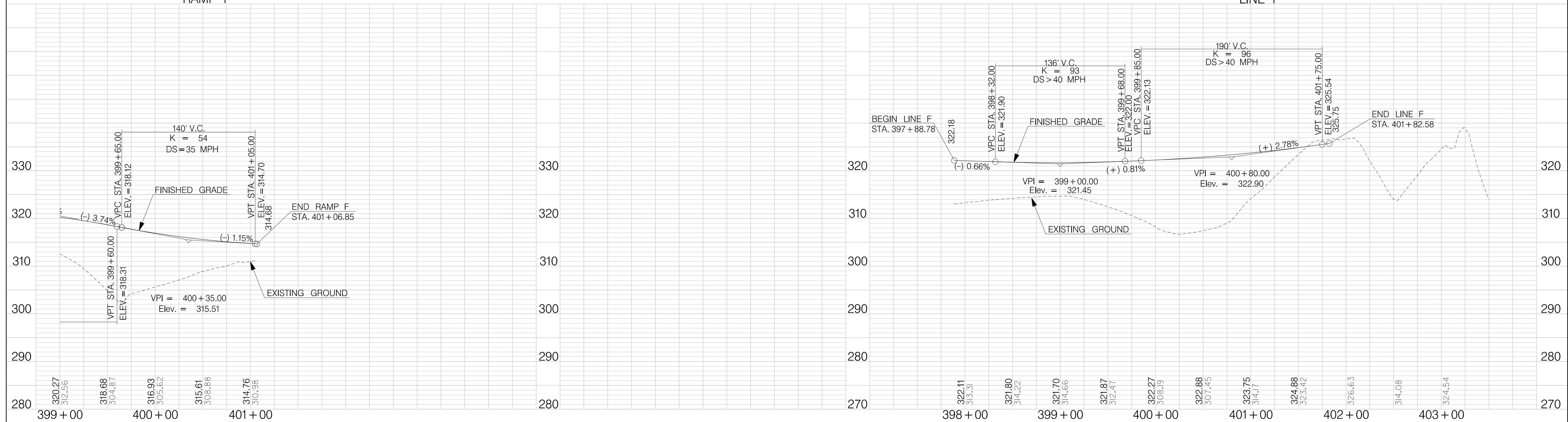
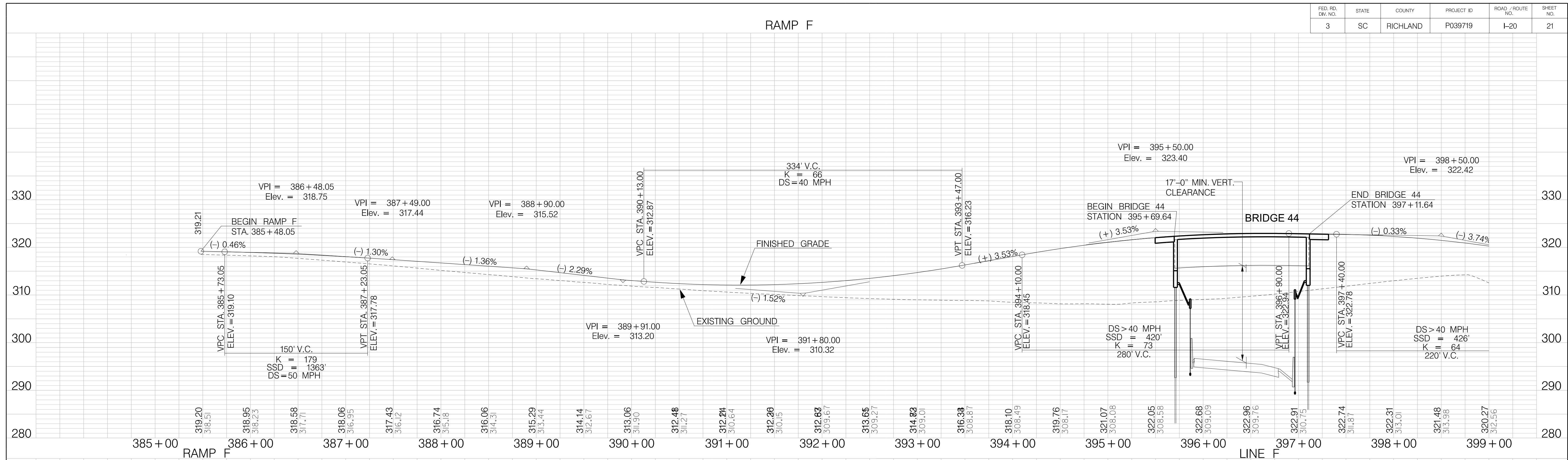
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

CAROLINA CROSSROADS PHASE 2

PROFILE SHEET

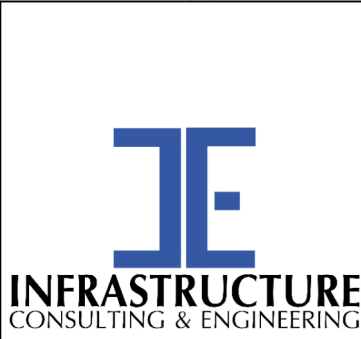
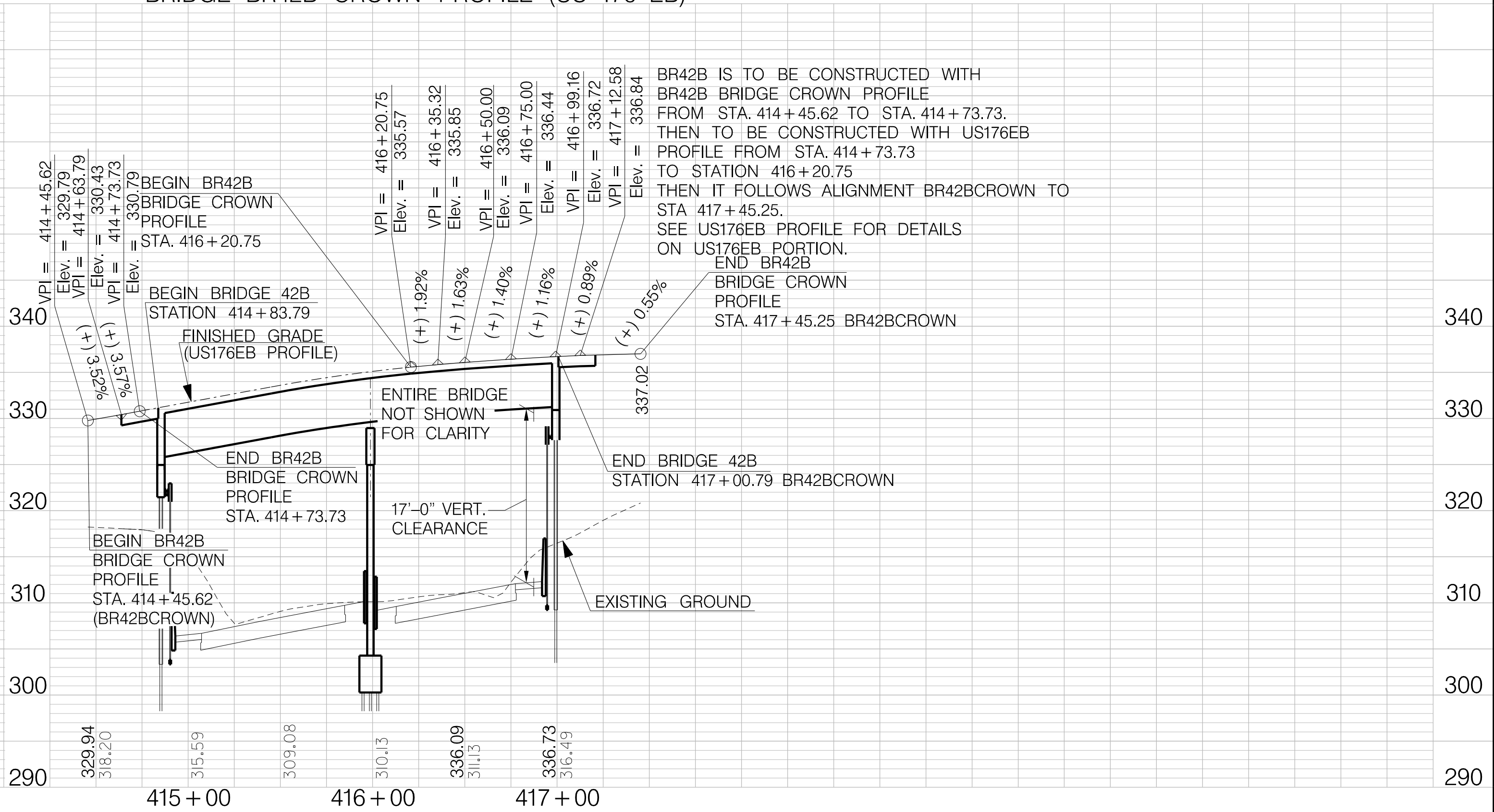
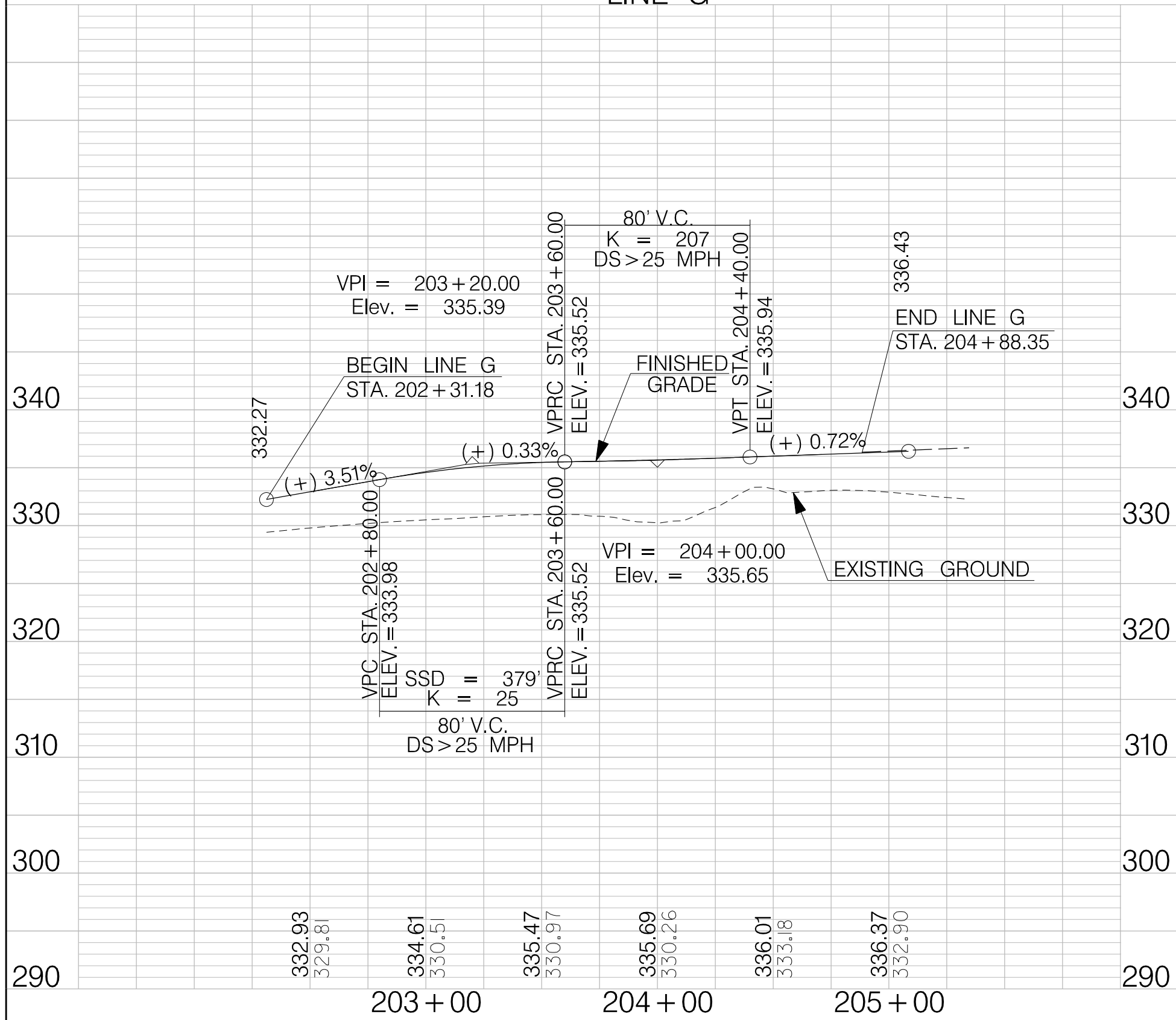
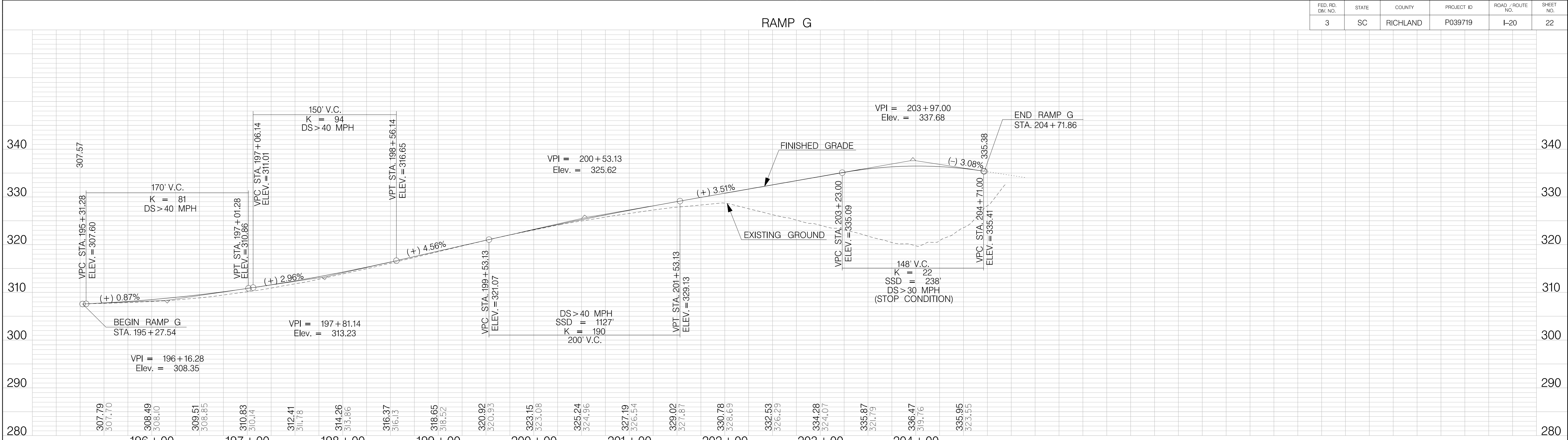






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4/14/2022

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	22



**PRELIMINARY
NOT FOR CONSTRUCTION**

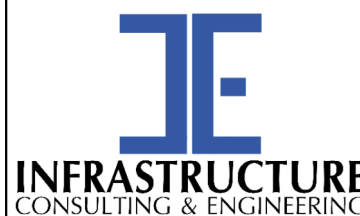
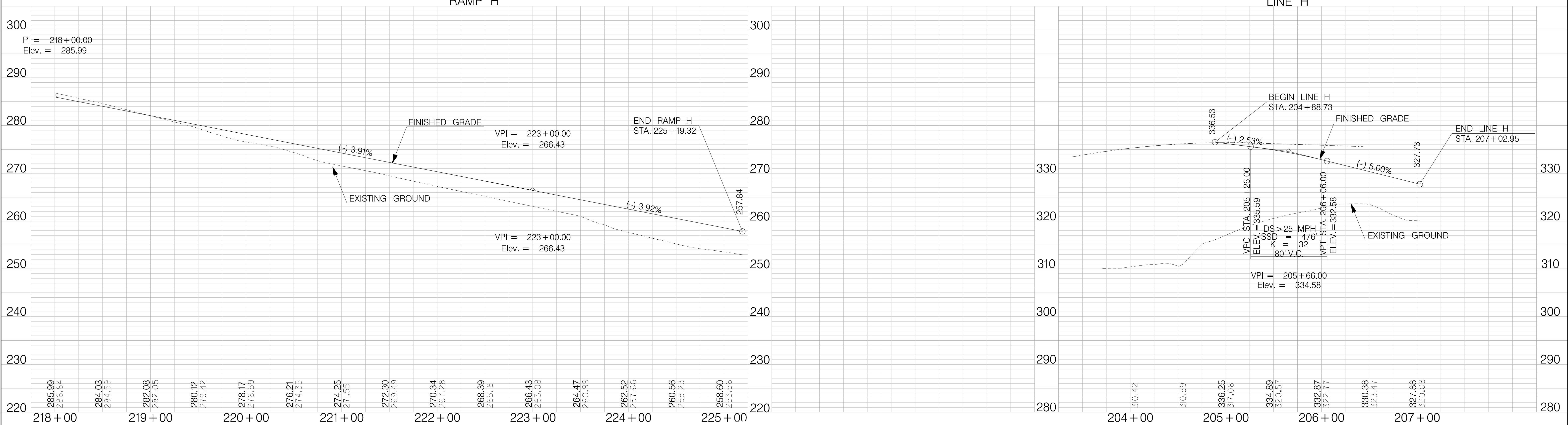
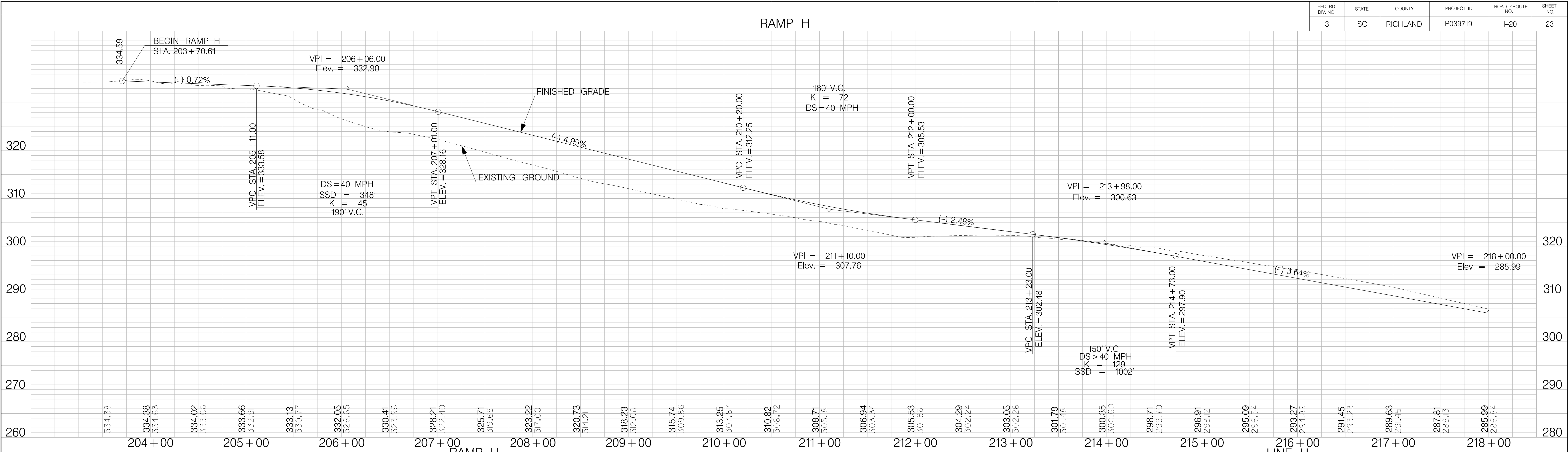
SCALE: 1" = 50' HORIZONTAL 1" = 10' VERTICAL

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION	
CAROLINA CROSSROADS PHASE 2	
PROFILE SHEET	

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4/14/2022

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	23



PRELIMINARY
NOT FOR CONSTRUCTION

SCALE: 1" = 50' HORIZONTAL 1" = 10' VERTICAL

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

CAROLINA CROSSROADS PHASE 2

PROFILE SHEET



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4/14/2022



FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	25

ARCHER

UNITED

JOINT VENTURE

INFRASTRUCTURE

CONSULTING & ENGINEERING

PRELIMINARY

NOT FOR CONSTRUCTION

SCALE: 1" = 50' HORIZONTAL 1" = 10' VERTICAL

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION

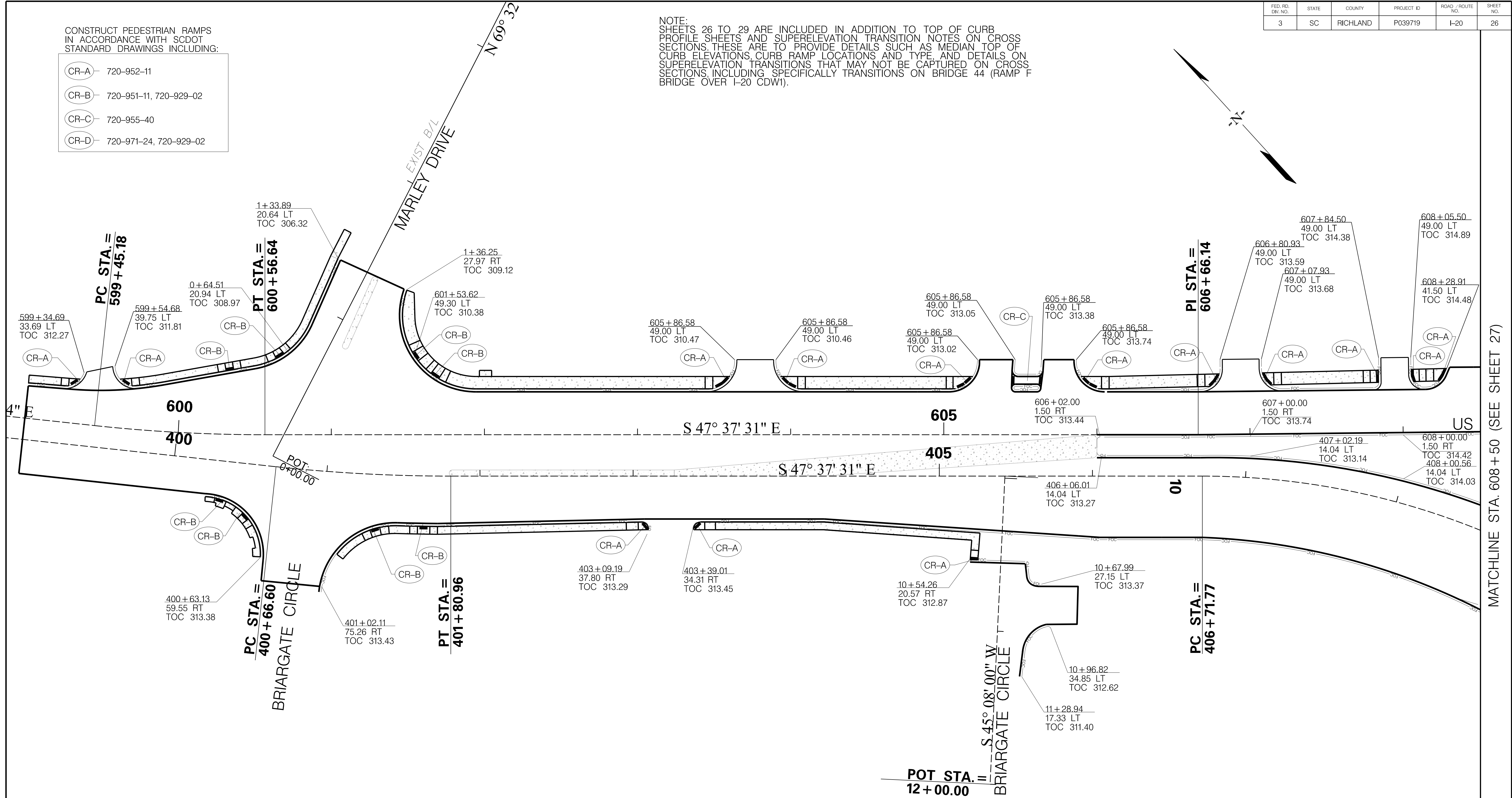
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
CAROLINA CROSSROADS PHASE 2
PROFILE SHEET

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	26

CONSTRUCT PEDESTRIAN RAMPS
IN ACCORDANCE WITH SCDOT
STANDARD DRAWINGS INCLUDING:

- CR-A 720-952-11
- CR-B 720-951-11, 720-929-02
- CR-C 720-955-40
- CR-D 720-971-24, 720-929-02

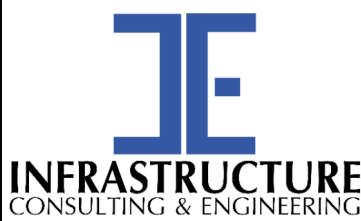
NOTE:
SHEETS 26 TO 29 ARE INCLUDED IN ADDITION TO TOP OF CURB
PROFILE SHEETS AND SUPERELEVATION TRANSITION NOTES ON CROSS
SECTIONS. THESE ARE TO PROVIDE DETAILS SUCH AS MEDIAN TOP OF
CURB ELEVATIONS, CURB RAMP LOCATIONS AND TYPE, AND DETAILS ON
SUPERELEVATION TRANSITIONS THAT MAY NOT BE CAPTURED ON CROSS
SECTIONS, INCLUDING SPECIFICALLY TRANSITIONS ON BRIDGE 44 (RAMP F
BRIDGE OVER I-20 CDW1).



MATCHLINE STA. 608 + 50 (SEE SHEET 27)

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4/14/2022

ALIGNMENT CONTROL CAN BE FOUND ON
REFERENCE DATA SHEET



PRELIMINARY
NOT FOR CONSTRUCTION

SCALE: 1" = 30'

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SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

CAROLINA CROSSROADS PHASE 2

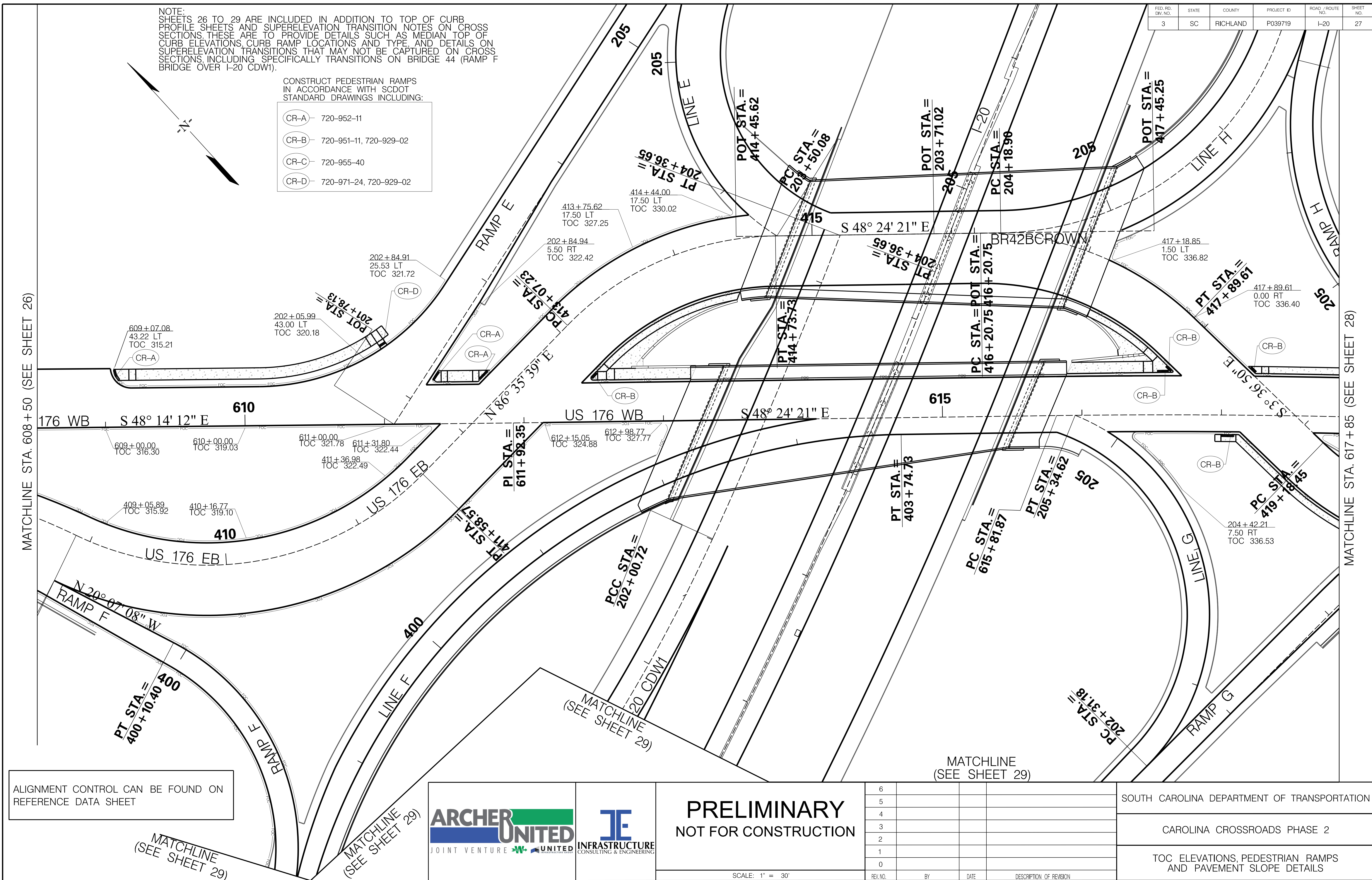
TOC ELEVATIONS, PEDESTRIAN RAMPS
AND PAVEMENT SLOPE DETAILS

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD /ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	27

NOTE:
SHEETS 26 TO 29 ARE INCLUDED IN ADDITION TO TOP OF CURB
PROFILE SHEETS AND SUPERELEVATION TRANSITION NOTES ON CROSS
SECTIONS. THESE ARE TO PROVIDE DETAILS SUCH AS MEDIAN TOP OF
CURB ELEVATIONS, CURB RAMP LOCATIONS AND TYPE AND DETAILS ON
SUPERELEVATION TRANSITIONS THAT MAY NOT BE CAPTURED ON CROSS
SECTIONS INCLUDING SPECIFICALLY TRANSITIONS ON BRIDGE 44 (RAMP F
BRIDGE OVER I-20 CDW1).

CONSTRUCT PEDESTRIAN RAMPS
IN ACCORDANCE WITH SCDOT
STANDARD DRAWINGS INCLUDING:

- CR-A 720-952-11
- CR-B 720-951-11, 720-929-02
- CR-C 720-955-40
- CR-D 720-971-24, 720-929-02



ALIGNMENT CONTROL CAN BE FOUND ON
REFERENCE DATA SHEET



PRELIMINARY
NOT FOR CONSTRUCTION

SCALE: 1" = 30'

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SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

CAROLINA CROSSROADS PHASE 2

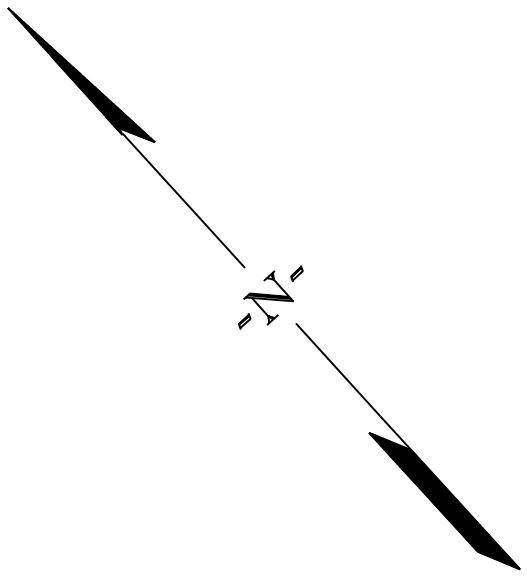
TOC ELEVATIONS, PEDESTRIAN RAMPS AND PAVEMENT SLOPE DETAILS

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	28

NOTE:
SHEETS 26 TO 29 ARE INCLUDED IN ADDITION TO TOP OF CURB
PROFILE SHEETS AND SUPERELEVATION TRANSITION NOTES ON CROSS
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SECTIONS, INCLUDING SPECIFICALLY TRANSITIONS ON BRIDGE 44 (RAMP F
BRIDGE OVER I-20 CDW1).

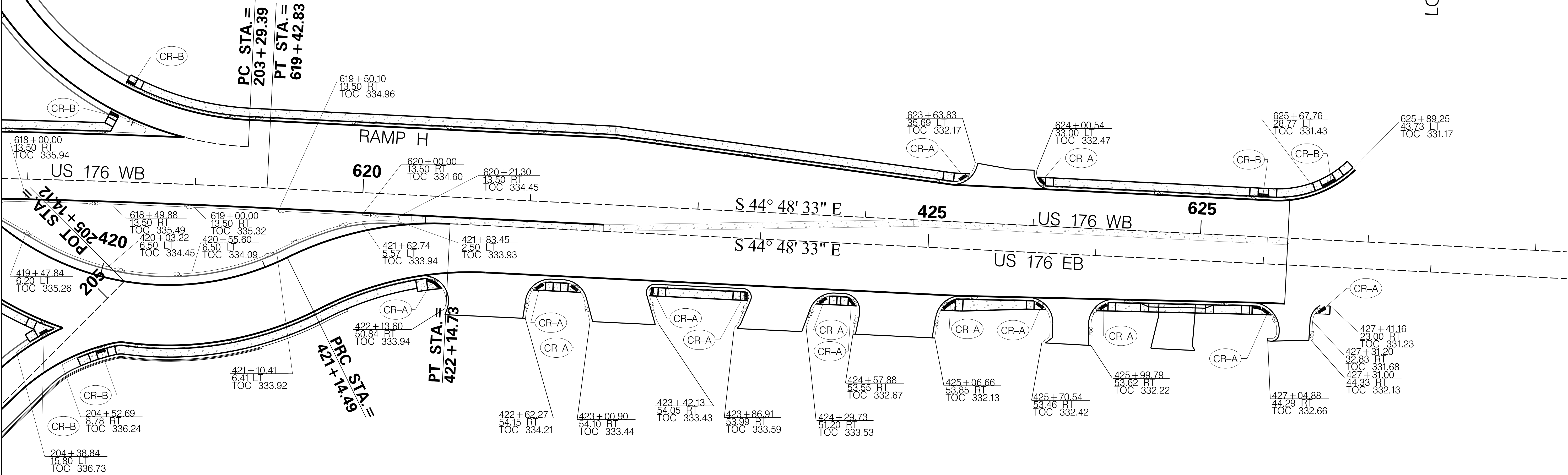
CONSTRUCT PEDESTRIAN RAMPS
IN ACCORDANCE WITH SCDOT
STANDARD DRAWINGS INCLUDING:

- CR-A720-952-11
- CR-B720-951-11, 720-929-02
- CR-C720-955-40
- CR-D720-971-24, 720-929-02



LONGCREEK DRIVE

MATCHLINE STA. 617 + 85 (SEE SHEET 27)



ALIGNMENT CONTROL CAN BE FOUND ON
REFERENCE DATA SHEET



PRELIMINARY
NOT FOR CONSTRUCTION

SCALE: 1" = 30'

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SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

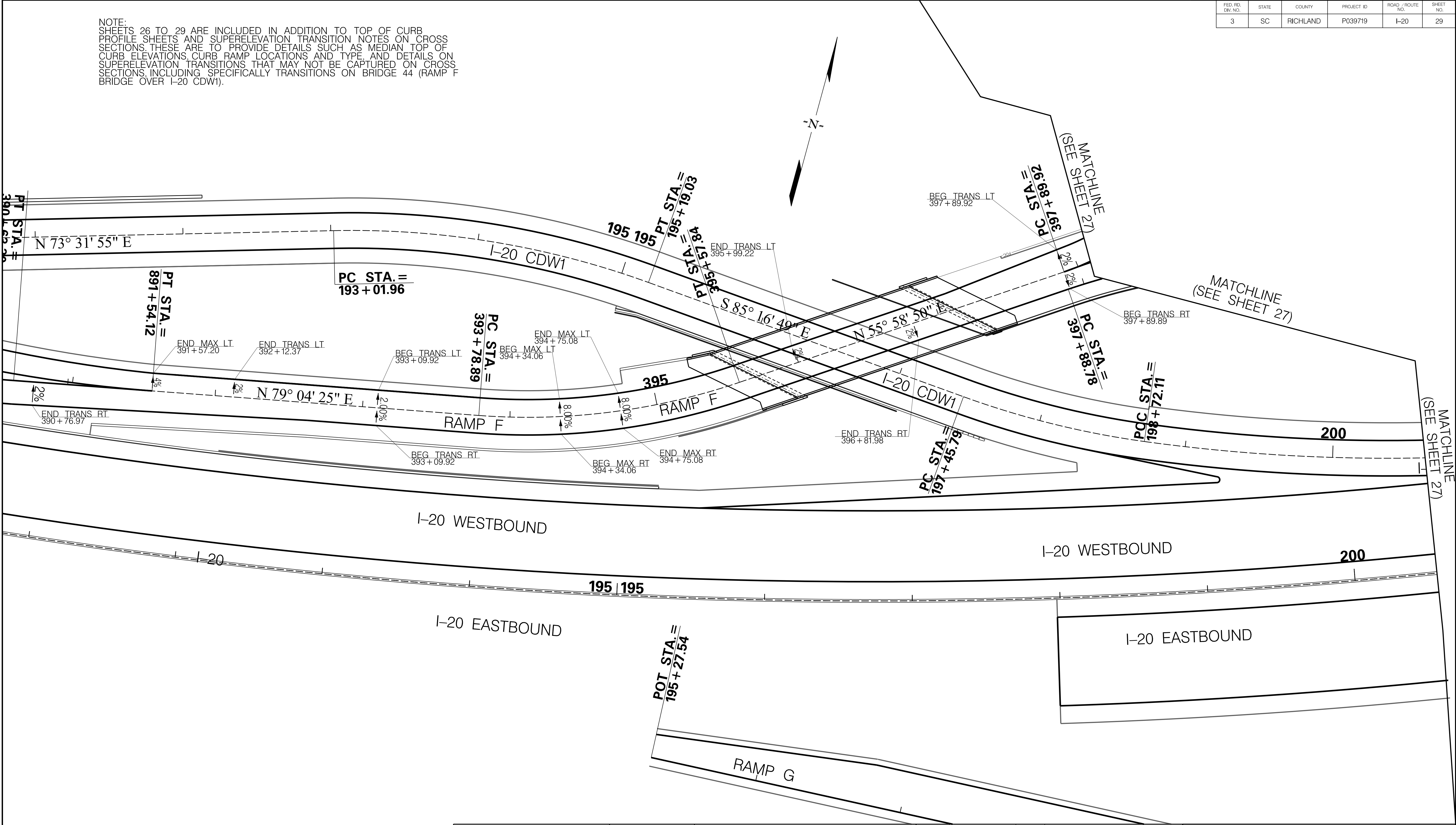
CAROLINA CROSSROADS PHASE 2

TOC ELEVATIONS, PEDESTRIAN RAMPS
AND PAVEMENT SLOPE DETAILS

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	29

NOTE:
SHEETS 26 TO 29 ARE INCLUDED IN ADDITION TO TOP OF CURB
PROFILE SHEETS AND SUPERELEVATION TRANSITION NOTES ON CROSS
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SECTIONS, INCLUDING SPECIFICALLY TRANSITIONS ON BRIDGE 44 (RAMP F
BRIDGE OVER I-20 CDW1).

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4/14/2022

ALIGNMENT CONTROL CAN BE FOUND ON
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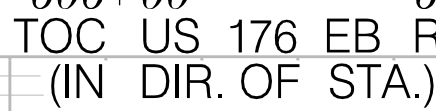
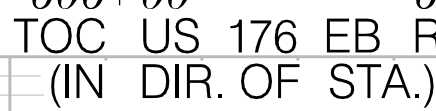


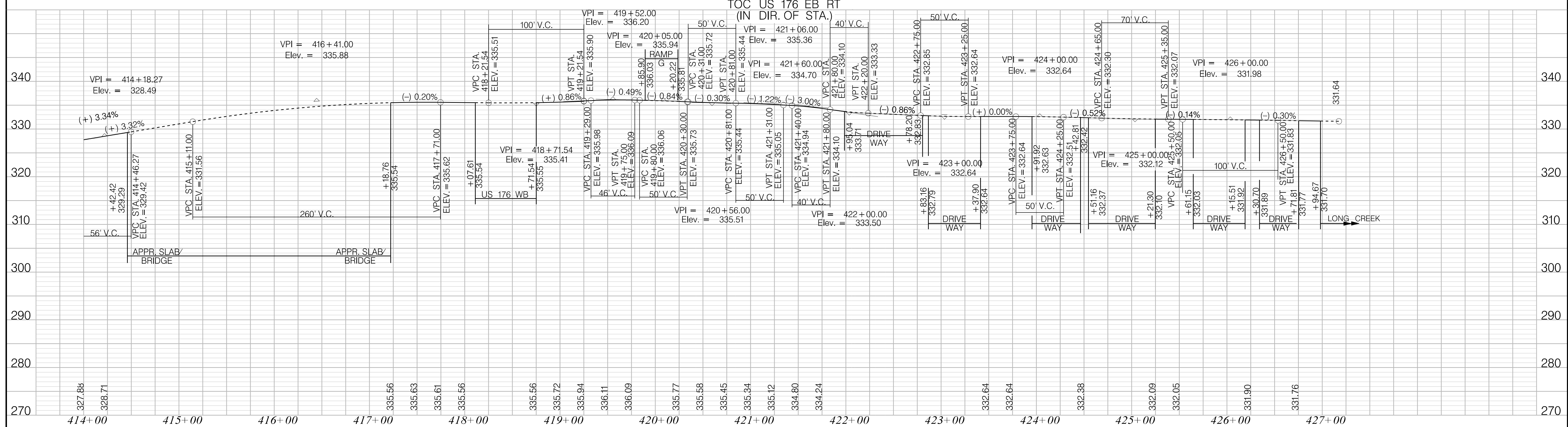
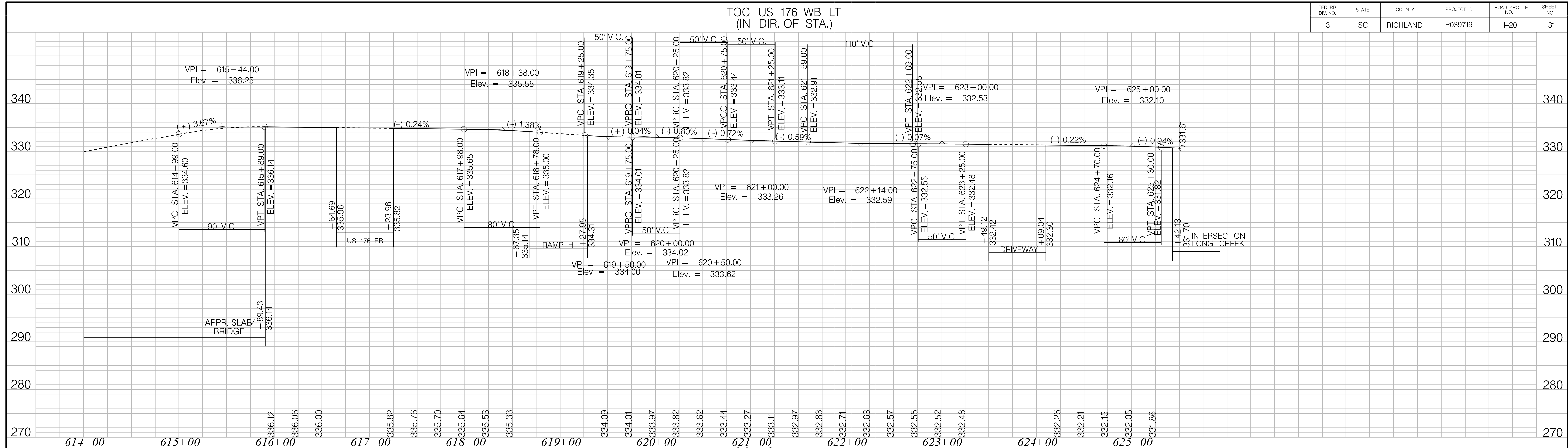
PRELIMINARY
NOT FOR CONSTRUCTION

SCALE: 1" = 30'

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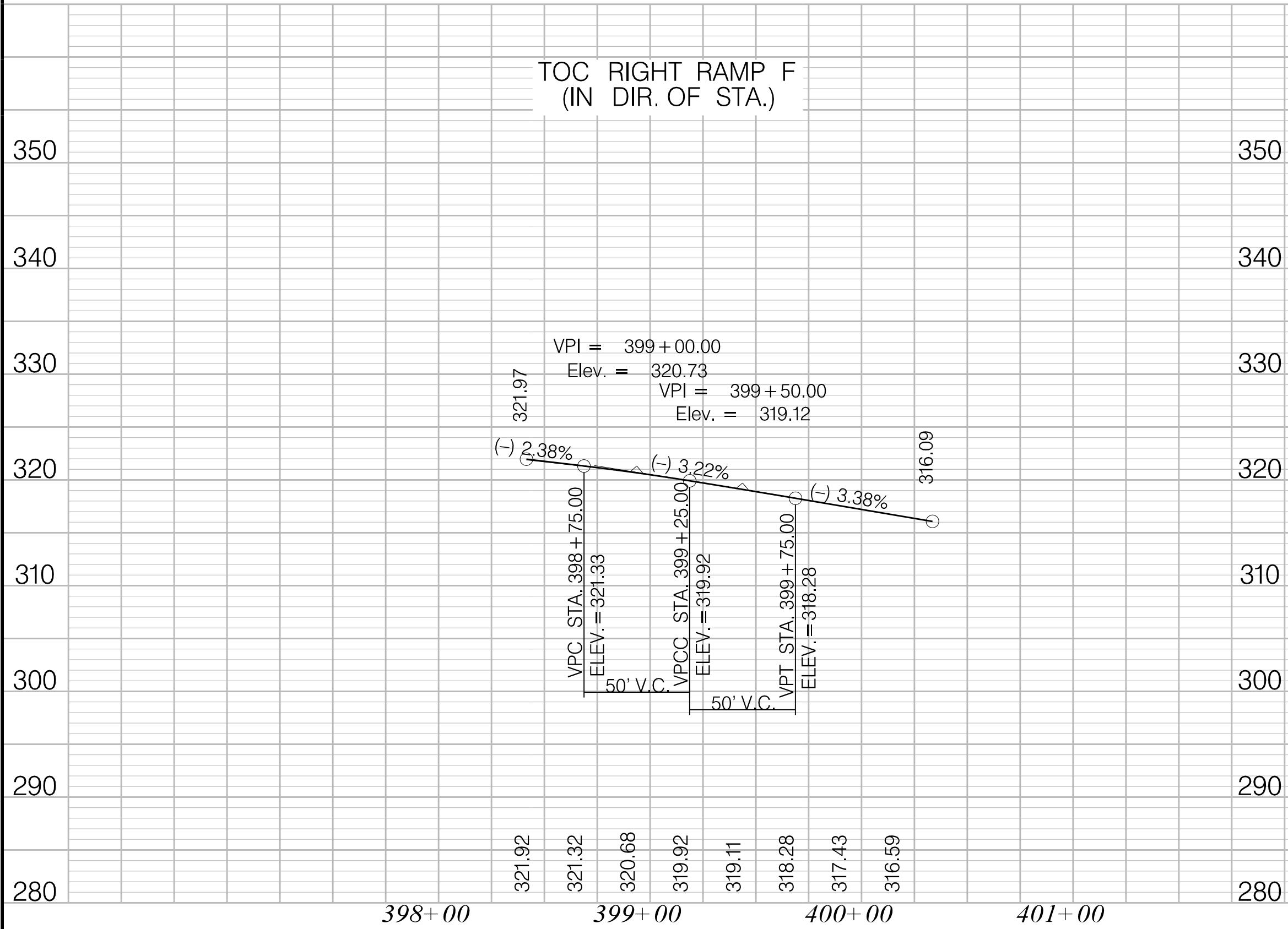
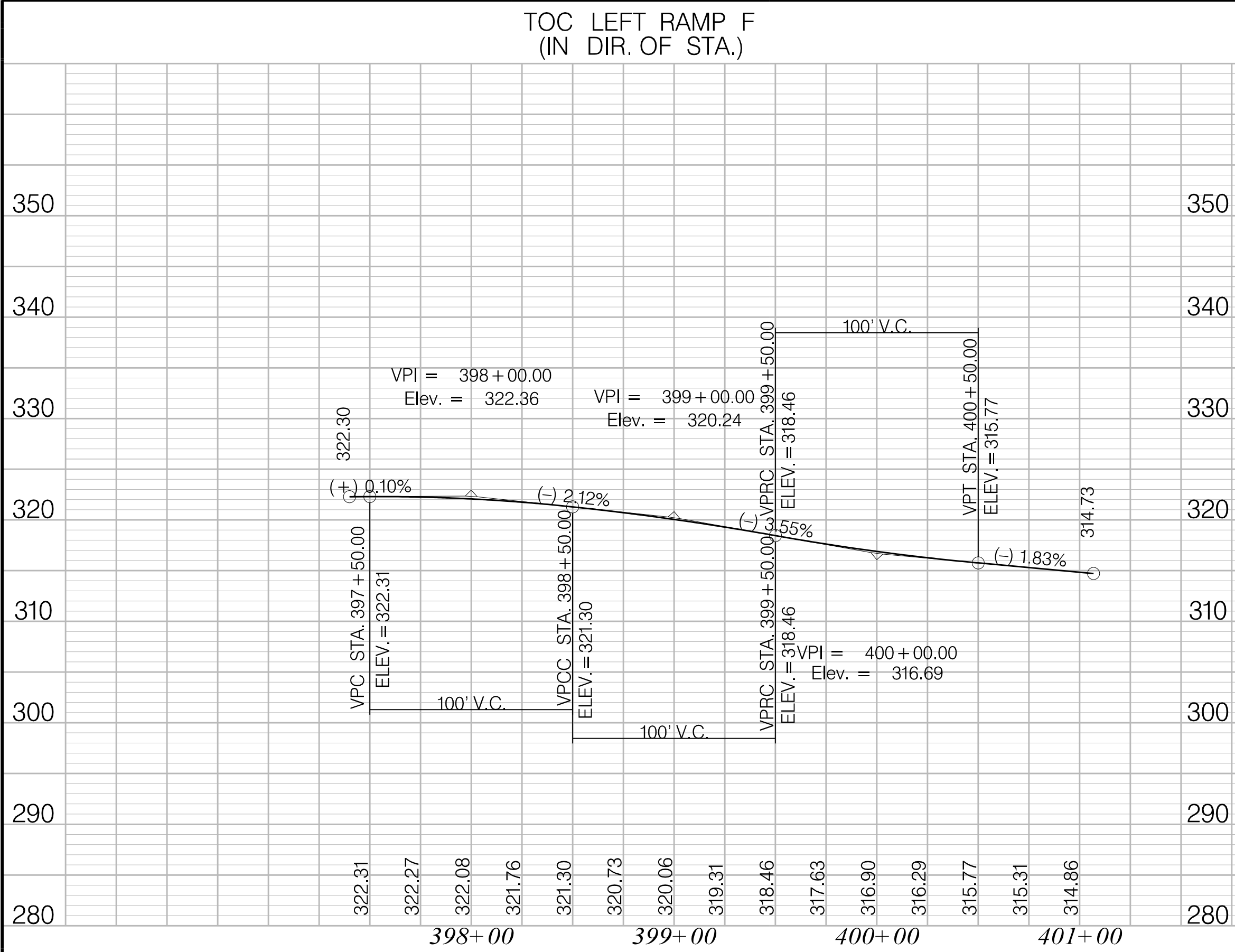
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
CAROLINA CROSSROADS PHASE 2
BRIDGE 42 PAVEMENT SLOPES DETAILS SHEET





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4/14/2022

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	32



PRELIMINARY
NOT FOR CONSTRUCTION

SCALE: 1" = 50' HORIZONTAL 1" = 10' VERTICAL

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

CAROLINA CROSSROADS PHASE 2

TOP OF CURB PROFILE SHEET

GENERAL DRAINAGE NOTES

1. PIPES TO BE ABANDONED SHALL BE DONE BY EITHER REMOVING THE PIPE, OR FILLING THE PIPE WITH FLOWABLE FILL PER THE RFP.
2. RCP SHALL BE USED FOR ALL PIPES UNDERNEATH I-20, US-176, AND ANY RAMPS WHERE INSTALLATION IS UNDER THE ROADWAY OR MEDIAN.
3. TRENCHLESS INSTALLATION OF PIPE HAS BEEN RECOMMENED FOR EXISTING ROADWAY CROSSINGS. THE DIAMATER LISTED ON THE PLANS IS FOR REQUIRED HYDRAULIC OPENING OF THE PIPE. LENGTH OF THE TRENCHLESS INSTALLATION TO BE DETERMINED BY THE CONTRACTOR. LENGTHS LISTED ON PLANS ARE FOR THE ENTIRE LENGTH OF PIPE TO BE INSTALLED.
4. ALL EXISTING MEDIAN AND SIDELINE ASPHALT OR CONCRETE DITCH LININGS ARE TO BE REMOVED AND REPLACED UNLESS NOTED OTHERWISE. FOR ANY THAT ARE RETAINED, REPAIR IN ACCORDANCE WITH SPECIAL PROVISION 815 EROSION CONTROL.
5. PIPE LENGTHS AS SHOWN IN THE DRAINAGE PLAN SHEETS AND PIPE DATA TABLES INCLUDE END TREATMENTS (BEVELED END SECTION, ETC.) IN THE TOTAL LENGTH. BEVELED END SECTIONS SHALL BE INSTALLED IN ACCORDANCE WITH SCDOT STANDARD DRAWING 719-610-00.
6. RIPRAP QUANTITIES ON PLAN SHEETS ONLY ACCOUNTS FOR OUTLET RIPRAP APRONS, BASINS, AND DITCH LINING. PIPE END PROTECTION AND SLOPE PROTECTION AROUND WING WALLS IS NOT DETAILED OR QUANTIFIED ON THE PLAN SHEETS. FOR FURTHER DETAIL SEE SCDOT STANDARD DRAWINGS 804-305-01 AND 804-205-00.
7. ALL EXISTING PIPE NETWORKS AND CULVERTS RETAINED WITHIN SCDOT ROW WILL REQUIRE VIDEO INSPECTION IF NOT INSPECTED AT TIME OF AWARD. FOR ALL PIPES OR CULVERTS REQUIRING VIDEO INSPECTION DURING CONSTRUCTION, THE CONTRACTOR SHALL:

A. LOCATE AND EXCAVATE EACH END OF THE CULVERT AND CLEAN OUT SEDIMENT OR DEBRIS.

B. PERFORM A FIELD AND VIDEO INSPECTION IN ACCORDANCE WITH SCDOT'S PIPE AND CULVERT INVENTORY AND INSPECTION GUIDELINES (2011).

C. UPON COMPLETION OF THE VIDEO INSPECTION, PROVIDE PIPE VIDEO AND INSPECTION REPORT TO THE ENGINEER FOR REVIEW. NO CONSTRUCTION ON THE CULVERT SHALL PROCEED UNTIL THE ENGINEER HAS PROVIDED A SIGNED LETTER OR REPORT STATING THE RECOMMENDED ALTERNATIVES TO REPLACEMENT.
8. EXISTING PIPE CULVERT DEFICIENCIES ARE DETAILED ON THE DRAINAGE PLAN SHEETS FOR ALL PIPES REQUIRING REPAIR PER THE FINAL RFP AND SUPPLEMENTAL PIPE INSPECTIONS. FOR PIPES NOT SPECIFIED AS "LINE PIPE", THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF THE CHOSEN METHOD OF REPAIR INVOLVES LINING OR ANY OTHER METHOD OF REPAIR THAT WILL REDUCE THE INSIDE DIAMETER OF THE EXISTING PIPE PRIOR TO REPAIRING.
9. ALL DRAINAGE STRUCTURES SHALL BE ACCESSIBLE TO THE FINAL SURFACE GRADE BY EITHER MANHOLE OR GRATE ACCESS.
10. BOXES TO BE RETAINED WILL BE REQUIRED TO BE RETROFITTED BASED UPON SECTION 4E OF THE RFP. REFER TO THIS SECTION TO DETERMINE WORK REQUIRED AT THESE STRUCTURES TO BE REATINED. DAMAGED BOXES WILL BE REQUIRED TO BE REPLACED BASED UPON THE CRITERIA IN THE RFP.
11. PRECAST MANHOLES AND CATCH BASINS WILL BE USED FOR THE FOLLOWING CONDITIONS:

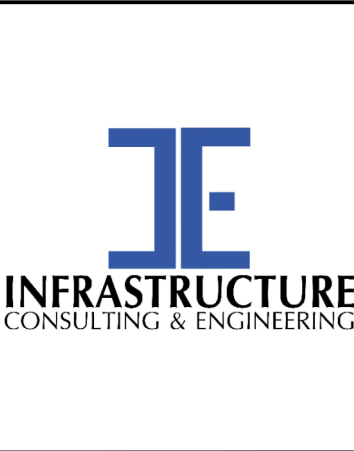
A. WHERE THE DEPTH EXCEEDS 12.0 FEET AS MEASURED FROM RIM TO BOTTOM OF THE BOTTOM SLAB.

B. WHERE THE FLOW LINE ELEVATION OF THE INLET PIPE IS HIGHER THAN THE SOFFIT OF THE OUTLET PIPE.

C. AT THE ENGINEER'S DISCRETION..

12. TRENCHLESS INSTALLATION OF PIPE HAS BEEN RECOMMENED FOR EXISTING ROADWAY CROSSINGS. THE DIAMATER LISTED ON THE PLANS IS FOR REQUIRED HYDRAULIC OPENING OF THE PIPE. LENGTH OF THE TRENCHLESS INSTALLATION TO BE DETERMINED BY THE CONTRACTOR. LENGTHS LISTED ON PLANS ARE FOR THE ENTIRE LENGTH OF PIPE TO BE INSTALLED.
13. DRIVEWAY PIPES ARE NOT TABULATED WITHIN THE PIPE TABLES BUT ARE NOTED WITHIN THE DRAINAGE PLAN SHEETS. INVERTS ARE TO BE SET BASED ON THE FINAL DITCH GRADES AS DETAILED IN THE CROSS SECTIONS.
14. AVOID DRIVING CONSTRUCTION VEHICLES OVER INSTALLED PIPE WHERE POSSIBLE. DO NOT DRIVE CONSTRUCTION VEHICLES OVER INSTALLED PIPE WITH LESS THAN THE LARGER OF 3 FEET OR ONE PIPE DIAMETER OF FILL. IF FILL HEIGHT IS SUFFICIENT AND CROSSING IS UNAVOIDABLE, PERIODICALLY CHANGE LOCATION OF EQUIPMENT CROSSING OVER PIPE IN ORDER TO MINIMIZE CHANCE OF LATERAL DISPLACEMENT.
15. UPON PROJECT COMPLETION AND STABILIZATION, ALL TEMPORARY EROSION CONTROL MEASURES ARE TO BE REMOVED AND GRADED FOR POSITIVE DRAINAGE. INCLUDING SEDIMENT DAMS AND TEMPORARY SEDIMENT BASINS. PERMANENT DETENTION OR WATER QUALITY PONDS ARE TO REMAIN.
16. TYPE D2 INLET FILTERS TO BE PLACED AT ALL DROP INLETS AND MANHOLES IN SUMP MEDIAN AND DITCH LOCATIONS. ALL OTHER INLETS TO BE PROTECTED WITH TYPE A INLET FILTERS ONCE INSTALLED. AFTER ROAD BASE COURSE IS PLACED, PLACE WEIGHTED TYPE F INLET TUBES AT ALL INLETS WITHIN THE PAVED AREAS. FOR CURB INLETS, PLACE TYPE E INLET FILTERS ONCE ROAD SURFACE COURSE IS PLACED.
17. PIPE LENGTHS AS SHOWN IN THE DRAINAGE PLAN SHEETS AND PIPE DATA TABLES INCLUDE END TREATMENTS (BEVELED END SECTION, ETC.) IN THE TOTAL LENGTH. BEVELED END SECTIONS SHALL BE INSTALLED IN ACCORDANCE WITH SCDOT STANDARD DRAWING 719-610-00.
18. THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) LINE IS USED TO DENOTE LAND DISTURBING ACTIVITIES ONLY WHEN NECESSARY TO GO BEYOND THE CONSTRUCTION LIMITS. SILT FENCE IS TO BE OFFSET 1' TO THE INSIDE OF THE NPDES LOCATION AS SHOWN ON PLANS (PER FIGURE 12.1-B OF THE SCDOT ROADWAY DESIGN MANUAL 2017). IN LOCATIONS WHERE NPDES LINES CROSS EXISTING DITCHES OR STREAM CHANNELS SILT FENCE IS TO BE INSTALLED UP TO THE CHANNEL BANK BUT IS NOT TO CROSS THE STREAM AND IMPEDE FLOW.

LINE STYLE LEGEND	
PROPOSED STORM DRAIN PIPE	
PROPOSED V DITCH	
PROPOSED TRAPEZOIDAL DITCH	
PROPOSED PAVED DITCH	
PROPOSED FLUME	
EXISTING PIPE	
PROPOSED SLOPE DRAIN	

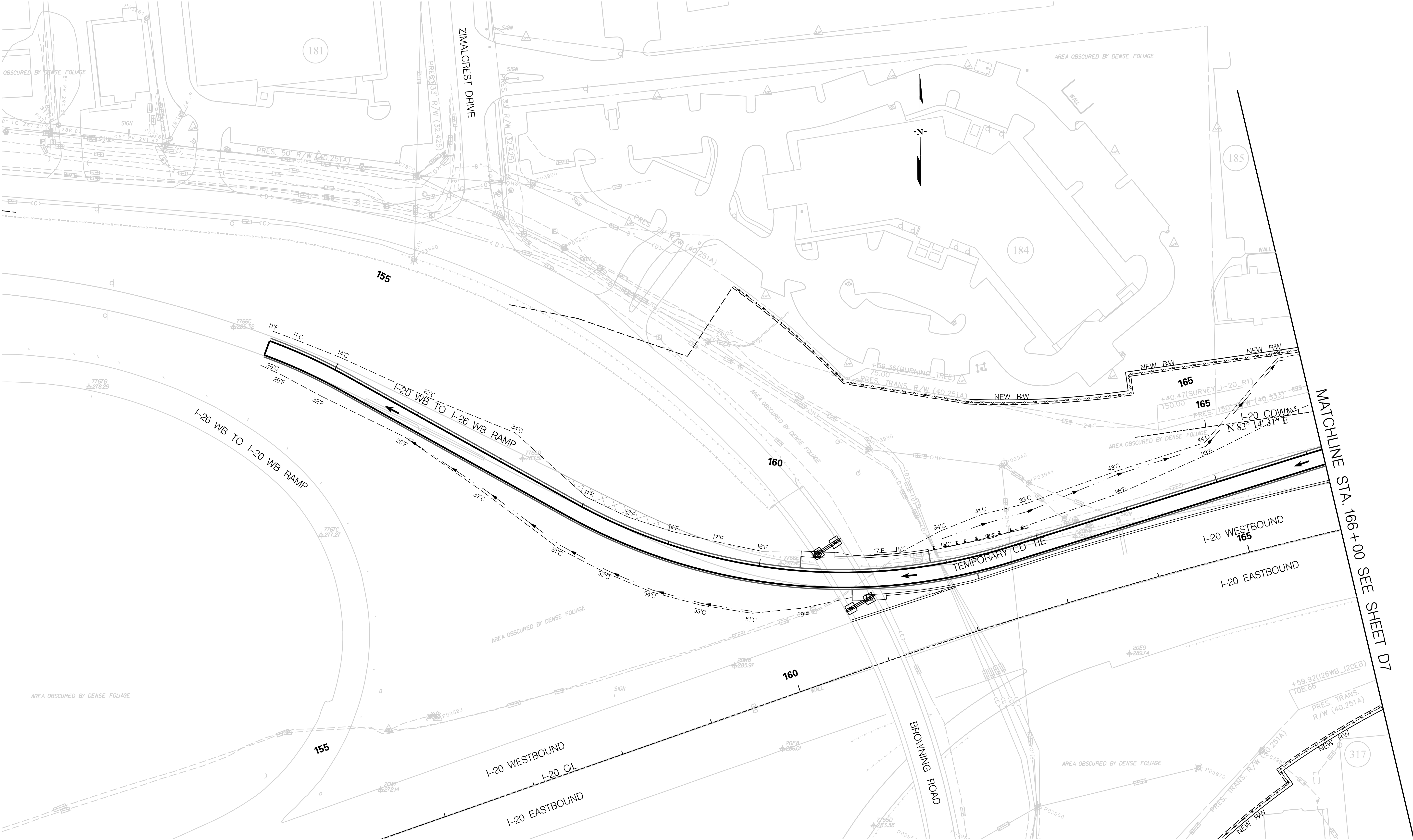


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NOT FOR CONSTRUCTION

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
CAROLINA CROSSROADS PHASE 2
DRAINAGE GENERAL NOTES SHEET

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	D6



NOTE:
EXISTING SURVEY CONTOURS DISPLAYED.



ALIGNMENT CONTROL CAN BE FOUND ON
REFERENCE DATA SHEET



PRELIMINARY
NOT FOR CONSTRUCTION

SCALE: 1" = 50'

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SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
CAROLINA CROSSROADS PHASE 2
DRAINAGE PLAN SHEET


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4/14/2022

SMOOTH WALL PIPE TABLE

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
3	S.C.	RICHLAND	P039719	I-20	D7A

System ID	Link ID	Geometry				Upstream				Downstream				Fill Height		Min field SPT "N" below invert	Joint Pressure (psi)	Smooth Wall Options					
		Diameter (in)	No. of barrels	Pipe Length (ft)	Slope (%)	Node	Node Description	Node Station	Link Invert (ft-NAVD 88)	Node	Node Description	Node Station	Link Invert (ft-NAVD 88)	Min (ft)	Max (ft)			HDPE Type	Built ✓	RCP highest class	Built ✓	SRAP thickest gage	Built ✓
100	NP-102	48	1	80	0.45	DN-102	DUMMY JOINT	168+60.16	271.90	DN-103	DUMMY JOINT	168+59.50	271.54	-0.04	16.66			S		III		16ga	
100	NP-111	18	1	294	1.41	J-111	M.H.	169+55.96	268.14	I20- OP 110	OUTLET PIPE	169+49.48	263.99	1.01	8.06			S		III		16ga	
100	NP-112	18	1	128	1.10	J-112	M.H.	170+82.93	269.54	J-111	M.H.	169+55.96	268.14	7.82	8.06			S		III		16ga	
100	NP-113	18	1	51	0.90	OS-113	C.B. TYPE 9	171+29.10	270.00	J-112	M.H.	170+82.93	269.54	7.82	10.00			S		III		16ga	
100	NP-115	30	1	80	2.89	OS-115	C.B. TYPE 9	173+35.97	272.50	OP-114	OUTLET PIPE	172+58.06	270.20	0.00	8.50			S		III		16ga	
100	NP-117	36	1	48	0.63	OS-117	C.B. TYPE 9	171+13.26	275.00	OP-116	OUTLET PIPE	170+72.12	274.70	0.00	4.50			S		III		16ga	
200	NP-202	18	1	103	0.50	CB-202	C.B. TYPE 25-SINGLE 4X5	170+70.00	282.88	CB-201	C.B. TYPE 25-SINGLE 4X5	171+76.54	282.37	5.00	16.56			S		III		16ga	
200	NP-203	24	1	69	2.80	CB-203	C.B. TYPE 25-SINGLE 4X5	172+50.00	283.84	CB-201	C.B. TYPE 25-SINGLE 4X5	171+76.54	281.89	5.81	16.56			S		III		16ga	
200	NP-204	24	1	146	2.80	CB-204	C.B. TYPE 25-SINGLE 4X5	174+00.00	287.93	CB-203	C.B. TYPE 25-SINGLE 4X5	172+50.00	283.84	5.01	5.81			S		III		16ga	
200	NP-205	24	1	146	2.80	CB-205	C.B. TYPE 25-SINGLE 4X5	175+50.00	292.01	CB-204	C.B. TYPE 25-SINGLE 4X5	174+00.00	287.93	5.01	5.26			S		III		16ga	
200	NP-206	24	1	146	2.80	CB-206	C.B. TYPE 25-SINGLE 4X5	177+00.00	296.10	CB-205	C.B. TYPE 25-SINGLE 4X5	175+50.00	292.01	5.26	5.72			S		III		16ga	
200	NP-207	24	1	146	2.80	CB-207	C.B. TYPE 25-DOUBLE	178+50.00	300.69	CB-206	C.B. TYPE 25-SINGLE 4X5	177+00.00	296.60	5.43	5.72			S		III		16ga	
200	NP-208	18	1	169	2.80	CB-208	C.B. TYPE 25-DOUBLE	180+22.65	305.91	CB-207	C.B. TYPE 25-DOUBLE	178+50.00	301.19	5.18	5.43			S		III		16ga	
200	NP-211	18	1	110	0.62	CB-211	C.B. TYPE 25-SINGLE 4X5	170+98.00	285.58	CB-212	C.B. TYPE 25-SINGLE 4X5	172+12.95	284.90	5.00	17.56			S		III		16ga	
200	NP-213	18	1	64	2.50	CB-213	C.B. TYPE 25-SINGLE 4X5	172+81.00	286.38	CB-212	C.B. TYPE 25-SINGLE 4X5	172+12.95	284.79	5.69	17.56			S		III		16ga	
200	NP-214	18	1	148	2.50	CB-214	C.B. TYPE 25-SINGLE 4X5	174+34.00	290.08	CB-213	C.B. TYPE 25-SINGLE 4X5	172+81.00	286.38	5.44	5.69			S		III		16ga	
200	NP-215	18	1	148	2.50	CB-215	C.B. TYPE 25-SINGLE 4X5	175+87.00	293.78	CB-214	C.B. TYPE 25-SINGLE 4X5	174+34.00	290.08	5.44	5.64			S		III		16ga	
200	NP-216	18	1	199	2.80	CB-216	C.B. TYPE 25-SINGLE 4X5	177+50.00	299.36	CB-215	C.B. TYPE 25-SINGLE 4X5	175+87.00	293.78	4.93	5.64			S		III		16ga	
200	NP-217	18	1	285	2.80	CB-217	C.B. TYPE 25-DOUBLE	180+39.00	307.34	CB-216	C.B. TYPE 25-SINGLE 4X5	177+50.00	299.36	4.93	5.11			S		III		16ga	
100	EP-101	48	1	173	1.79	DI-101	D.I. TYPE 112	168+77.82	271.09	I20- OP 100	OUTLET PIPE	168+30.97	267.99	0.00	16.66	EP	EP	EP	EP	EP	EP	EP	EP
100	EP-103	48	1	25	1.77	DN-103	DUMMY JOINT	168+59.50	271.54	DI-101	D.I. TYPE 112	168+77.82	271.09	-0.04	0.00	EP	EP	EP	EP	EP	EP	EP	EP
100	EP-152	18	1	169	2.35	J-152	M.H.	166+29.84	277.86	I20- OP 150	OUTLET PIPE	166+26.69	273.88	0.00	13.73	EP	EP	EP	EP	EP	EP	EP	EP
200	EP-201	24	1	100	2.09	CB-201	C.B. TYPE 25-SINGLE 4X5	171+76.54	272.07	I20- OP 200	OUTLET PIPE	171+66.56	269.98	0.00	16.56	EP	EP	EP	EP	EP	EP	EP	EP
200	EP-212	24	1	69	2.15	CB-212	C.B. TYPE 25-SINGLE 4X5	172+12.95	273.67	CB-201	C.B. TYPE 25-SINGLE 4X5	171+76.54	272.18	16.56	17.56	EP	EP	EP	EP	EP	EP	EP	EP
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NOTE:
ALL PIPE UNDER TRAVEL LANES SHALL BE RCP



	 	<div style="text-align: center;"> <h1>PRELIMINARY</h1> <h2>NOT FOR CONSTRUCTION</h2> </div>	4				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
			3				CAROLINA CROSSROADS PHASE 2
			2				
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			0				DRAINAGE PIPE DATA SHEET
REV. NO.	BY	DATE	DESCRIPTION OF REVISION				

SMOOTH WALL PIPE TABLE

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
3	S.C.	RICHLAND	P039719	I-20	D8A

System ID	Link ID	Geometry				Upstream				Downstream				Fill Height		Min field SPT "N" below invert	Joint Pressure (psi)	Smooth Wall Options					
		Diameter (in)	No. of barrels	Pipe Length (ft)	Slope (%)	Node	Node Description	Node Station	Link Invert (ft-NAVD 88)	Node	Node Description	Node Station	Link Invert (ft-NAVD 88)	Min (ft)	Max (ft)			HDPE Type	Built ✓	RCP highest class	Built ✓	SRAP thickest gage	Built ✓
200	NP-210	18	1	273	2.00	CB-210	C.B. TYPE 25-DOUBLE	183+00.00	311.88	CB-208	C.B. TYPE 25-DOUBLE	180+22.65	306.41	5.18	5.29			S		III		16ga	
200	NP-218	18	1	257	1.70	CB-218	C.B. TYPE 25-DOUBLE	183+00.00	311.71	CB-217	C.B. TYPE 25-DOUBLE	180+39.00	307.34	5.00	5.11			S		III		16ga	
200	NP-219	18	1	286	1.00	CB-219	C.B. TYPE 25-SINGLE 4X5	185+90.00	314.75	CB-210	C.B. TYPE 25-DOUBLE	183+00.00	311.88	5.00	5.29			S		III		16ga	
600	NP-629	18	1	196	2.20	CB-629	C.B. TYPE 25-SINGLE 4X5	194+00.00	301.75	CB-628	C.B. TYPE 25-SINGLE 4X5	196+00.00	297.44	4.56	5.23			S		III		16ga	
600	NP-630	18	1	196	2.50	CB-630	C.B. TYPE 25-SINGLE 4X5	192+00.00	306.66	CB-629	C.B. TYPE 25-SINGLE 4X5	194+00.00	301.75	4.56	5.02			S		III		16ga	
600	NP-631	18	1	196	2.50	CB-631	C.B. TYPE 25-SINGLE 4X5	190+00.00	311.56	CB-630	C.B. TYPE 25-SINGLE 4X5	192+00.00	306.66	4.61	5.02			S		III		16ga	
1000	NP-1003	18	1	4	2.50	CB-1003	D.I. TYPE 125	195+00.00	296.26	DI-1002	D.I. 24"X24"	195+00.00	296.17	5.25	20.99			S		III		16ga	
1000	NP-1004	18	1	192	2.50	CB-1004	D.I. TYPE 125	193+00.00	301.06	CB-1003	D.I. TYPE 125	195+00.00	296.25	5.24	5.25			S		III		16ga	
1000	NP-1005	30	1	146	1.50	DI-1005	D.I. TYPE 112	393+80.49	292.14	DI-1002	D.I. 24"X24"	195+00.00	289.94	4.36	20.99			S		III		16ga	
1000	NP-1013	30	1	12	1.50	DI-1013	D.I. TYPE 112	193+82.77	292.32	DI-1005	D.I. TYPE 112	393+80.49	292.14	4.36	4.68			S		III		16ga	
1000	NP-1014	18	1	5	2.50	DI-1014	D.I. 24"X24"	192+99.89	301.18	CB-1004	D.I. TYPE 125	193+00.00	301.06	5.24	8.23			S		III		16ga	
1000	NP-1015	24	1	171	2.00	DI-1015	D.I. TYPE 112	192+14.81	296.44	DI-1013	D.I. TYPE 112	193+82.77	293.01	4.68	5.69			S		III		16ga	
1000	NP-1016	18	1	79	4.00	DI-1016	D.I. TYPE 125	191+79.00	301.76	DI-1015	D.I. TYPE 112	192+14.81	298.61	5.36	5.69			S		III		16ga	
1000	NP-1018	18	1	108	1.00	DI-1018	D.I. TYPE 112	188+15.41	304.50	CB-1022	C.B. TYPE 25-DOUBLE	888+31.46	303.40	2.60	11.74			S		III		16ga	
1000	NP-1021	18	1	200	2.20	DI-1021	D.I. TYPE 112	889+89.64	301.39	DI-1015	D.I. TYPE 112	192+14.81	296.99	5.69	11.05			S		III		16ga	
1000	NP-1022	18	1	155	1.30	CB-1022	C.B. TYPE 25-DOUBLE	888+31.46	303.40	DI-1021	D.I. TYPE 112	889+89.64	301.39	11.05	11.74			S		III		16ga	
1000	NP-1023	18	1	131	2.50	CB-1023	C.B. TYPE 25-DOUBLE	886+97.00	311.00	CB-1022	C.B. TYPE 25-DOUBLE	888+31.46	307.73	6.12	11.74			S		III		16ga	
200	EP-209	18	1	69	3.36	DN-209	DUMMY JOINT	180+59.77	308.72	CB-208	C.B. TYPE 25-DOUBLE	180+22.65	306.41	0.00	5.18	EP	EP	EP	EP	EP	EP	EP	EP
																			</				

NOTE:
ALL PIPE UNDER TRAVEL LANES SHALL BE RCP

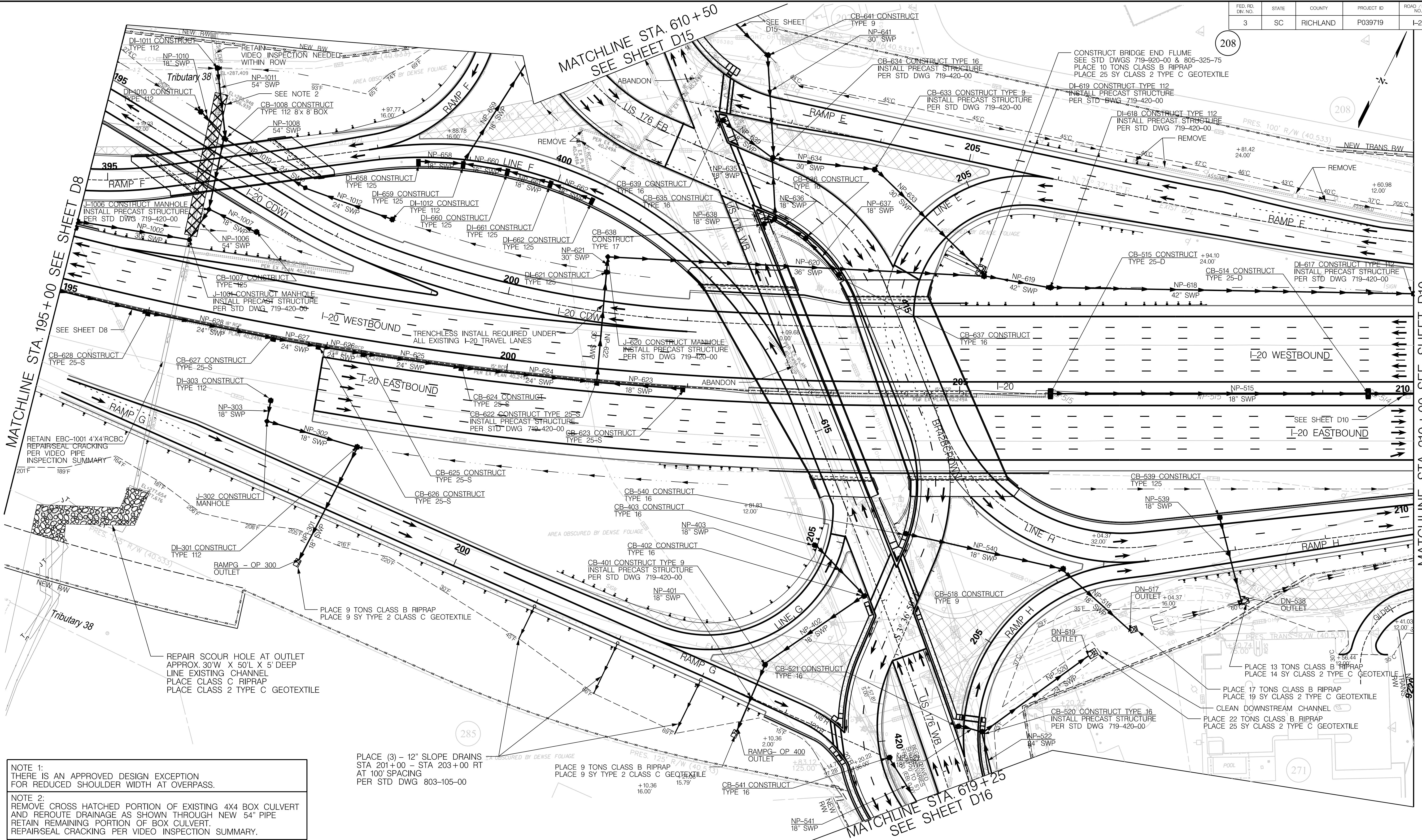
	 		<div style="text-align: center;"> <h1>PRELIMINARY</h1> <h2>NOT FOR CONSTRUCTION</h2> </div>		4				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
	3						CAROLINA CROSSROADS PHASE 2		
	2								
	1							DRAINAGE PIPE DATA SHEET	
	0								
	REV. NO.	BY			DATE	DESCRIPTION OF REVISION			

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	D9

208

208

271



NOTE 1:
THERE IS AN APPROVED DESIGN EXCEPTION
FOR REDUCED SHOULDER WIDTH AT OVERPASS.

NOTE 2:
REMOVE CROSS HATCHED PORTION OF EXISTING 4X4 BOX CULVERT
AND REROUTE DRAINAGE AS SHOWN THROUGH NEW 54" PIPE
RETAIN REMAINING PORTION OF BOX CULVERT.
REPAIRSEAL CRACKING PER VIDEO INSPECTION SUMMARY.

NOTE:
REMOVE ALL EXISTING I-20 MEDIAN
DRAINAGE UNLESS NOTED OTHERWISE.
EXISTING SURVEY CONTOURS DISPLAYED.

025'50'100'

SCALE : 1" = 50'

ALIGNMENT CONTROL CAN BE FOUND ON
REFERENCE DATA SHEET

ARCHER
UNITED

JOINT VENTURE

IE

INFRASTRUCTURE

CONSULTING & ENGINEERING

PRELIMINARY
NOT FOR CONSTRUCTION

SCALE: 1" = 50'

6					
5					
4					
3					
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1					
0					
REV. NO.	BY	DATE	DESCRIPTION OF REVISION		

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION	
CAROLINA CROSSROADS PHASE 2	
DRAINAGE PLAN SHEET	

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4/14/2022

SMOOTH WALL PIPE TABLE

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
3	S.C.	RICHLAND	P039719	I-20	D9A

System ID	Link ID	Geometry				Upstream				Downstream				Fill Height		Min field SPT "N" below invert	Joint Pressure (psi)	Smooth Wall Options					
		Diameter (in)	No. of barrels	Pipe Length (ft)	Slope (%)	Node	Node Description	Node Station	Link Invert (ft-NAVD 88)	Node	Node Description	Node Station	Link Invert (ft-NAVD 88)	Min (ft)	Max (ft)			HDPE Type	Built ✓	RCP highest class	Built ✓	SRAP thickest gage	Built ✓
300	NP-301	18	1	138	3.00	DI-301	D.I. TYPE 112	198+50.00	295.06	AMPG - OP 30	OUTLET PIPE	198+41.77	290.93	0.00	6.77			S		III		16ga	
300	NP-302	18	1	99	1.00	J-302	M.H.	197+50.00	297.08	DI-301	D.I. TYPE 112	198+50.00	296.08	6.77	7.44			S		III		16ga	
300	NP-303	18	1	19	1.00	DI-303	D.I. TYPE 112	197+50.00	297.27	J-302	M.H.	197+50.00	297.08	3.60	7.44			S		III		16ga	
400	NP-401	18	1	79	5.00	CB-401	C.B. TYPE 9	203+58.00	312.46	AMPG-OP 40	OUTLET PIPE	203+59.16	308.53	0.00	20.04			S		III		16ga	
400	NP-402	18	1	129	2.00	CB-402	C.B. TYPE 16	616+88.00	330.58	CB-401	C.B. TYPE 9	203+58.00	328.00	5.92	20.04			S		III		16ga	
400	NP-403	18	1	75	1.00	CB-403	C.B. TYPE 16	204+88.00	331.33	CB-402	C.B. TYPE 16	616+88.00	330.58	4.44	5.92			S		III		16ga	
500	NP-515	18	1	346	0.50	CB-515	C.B. TYPE 25-DOUBLE	206+00.00	306.23	CB-514	C.B. TYPE 25-DOUBLE	209+50.00	304.50	5.00	6.79			S		III		16ga	
500	NP-518	18	1	99	5.00	CB-518	C.B. TYPE 9	206+14.10	323.95	DN-517	DUMMY JOINT	618+21.49	319.00	0.00	6.65			S		III		16ga	
500	NP-520	24	1	142	1.00	CB-520	C.B. TYPE 16	203+97.00	323.44	DN-519	DUMMY JOINT	205+87.87	322.02	0.00	11.26			S		III		16ga	
500	NP-521	18	1	23	3.00	CB-521	C.B. TYPE 16	618+58.00	329.79	CB-520	C.B. TYPE 16	203+97.00	329.09	4.45	11.26			S		III		16ga	
500	NP-522	24	1	118	1.00	CB-522	C.B. TYPE 16	619+93.00	324.62	CB-520	C.B. TYPE 16	203+97.00	323.44	9.37	11.26			S		III		16ga	
500	NP-539	18	1	94	5.00	CB-539	D.I. TYPE 125	207+87.36	319.08	DN-538	DUMMY JOINT	207+99.60	314.37	0.00	4.77			S		III		16ga	
500	NP-540	18	1	174	3.22	CB-540	C.B. TYPE 16	417+70.00	330.95	CB-518	C.B. TYPE 9	206+14.10	325.35	4.67	6.65			S		III		16ga	
500	NP-541	18	1	94	1.00	CB-541	C.B. TYPE 16	420+20.00	330.00	CB-538	C.B. TYPE 16	421+25.00	329.06	4.33	4.85			S		III		16ga	
600	NP-618	42	1	396	0.30	DI-618	D.I. TYPE 112	206+00.00	289.80	DI-617	D.I. TYPE 112	210+00.00	288.61	17.81	19.72			S		III		16ga	
600	NP-619	42	1	70	0.30	DI-619	D.I. TYPE 112	205+27.00	290.01	DI-618	D.I. TYPE 112	206+00.00	289.80	15.49	17.81			S		III		16ga	
600	NP-620	36	1	411	0.30	J-620	M.H.	201+00.00	291.74	DI-619	D.I. TYPE 112	205+27.00	290.51	9.06	15.49			S		III		16ga	
600	NP-621	30	1	13	0.30	DI-621	D.I. TYPE 112	201+00.00	291.78	J-620	M.H.	201+00.00	291.74	3.87	9.06			S		III		16ga	
600	NP-622	30	1	116	1.90	CB-622	C.B. TYPE 25-SINGLE 4X5	201+00.00	293.99	DI-621	D.I. TYPE 112	201+00.00	291.78	3.87	10.49			S		III		16ga	
600	NP-623	18	1	91	1.50	CB-623	C.B. TYPE 25-SINGLE 4X5	201+95.00	300.99	CB-622	C.B. TYPE 25-SINGLE 4X5	201+00.00	299.63	4.94	10.49			S		III		16ga	
600	NP-624	24	1	146	0.50	CB-624	C.B. TYPE 25-SINGLE 4X5	199+50.00	295.27	CB-622	C.B. TYPE 25-SINGLE 4X5	201+00.00	294.54	7.03	10.49			S		III		16ga	
600	NP-625	24	1	105	0.50	CB-625	C.B. TYPE 25-SINGLE 4X5	198+41.00	295.80	CB-624	C.B. TYPE 25-SINGLE 4X5	199+50.00	295.27	5.69	7.03			S		III		16ga	
600	NP-626	24	1	46	0.50	CB-626	C.B. TYPE 25-SINGLE 4X5	197+91.00	296.03	CB-625	C.B. TYPE 25-SINGLE 4X5	198+41.00	295.80	5.38	5.69			S		III		16ga	
600	NP-627	24	1	46	0.50	CB-627	C.B. TYPE 25-SINGLE 4X5	197+41.00	296.26	CB-626	C.B. TYPE 25-SINGLE 4X5	197+91.00	296.03	5.01	5.38			S		III		16ga	
600	NP-628	24	1	137	0.50	CB-628	C.B. TYPE 25-SINGLE 4X5	196+00.00	296.94	CB-627	C.B. TYPE 25-SINGLE 4X5	197+41.00	296.26	5.01	5.23			S		III		16ga	
600	NP-633	30	1	165	1.00	CB-633	C.B. TYPE 9	203+99.99	302.19	DI-619	D.I. TYPE 112	205+27.00	300.54	15.49	17.14			S		III		16ga	
600	NP-634	30	1	109	1.00	CB-634	C.B. TYPE 16	412+85.25	303.28	CB-633	C.B. TYPE 9	203+99.99	302.19	17.14	20.77			S		III		16ga	
600	NP-635	18	1	64	1.88	CB-635	C.B. TYPE 16	413+15.00	319.72	CB-634	C.B. TYPE 16	412+85.25	318.52	6.05	20.77			S		III		16ga	
600	NP-636	18	1	36	2.53	CB-636	C.B. TYPE 16	413+65.00	322.02	CB-635	C.B. TYPE 16	413+15.00	321.10	4.93	6.05			S		III		16ga	
600	NP-637	18	1	50	5.00	CB-637	C.B. TYPE 16	414+32.00	324.52	CB-636	C.B. TYPE 16	413+65.00	322.02	4.42	4.93			S		III		16ga	
600	NP-638	18	1	9	5.00	CB-638	C.B. TYPE 17	612+66.00	321.68	CB-635	C.B. TYPE 16	413+15.00	321.22	4.36	6.05			S		III		16ga	
600	NP-639	18	1	65	0.50	CB-639	C.B. TYPE 16	611+43.31	318.80	CB-634	C.B. TYPE 16	412+85.25	318.48	3.33	20.77			S		III		16ga	
600	NP-641	30	1	109	1.00	CB-641	C.B. TYPE 9	202+59.00	304.37	CB-634	C.B. TYPE 16	412+85.25	303.28	10.47	20.77			S		III		16ga	
600	NP-642	30	1	100	0.50	CB-642	C.B. TYPE 9	610+00.00	304.87	CB-641	C.B. TYPE 9	202+59.00	304.37	8.43	10.47			S		III		16ga	
600	NP-658	18	1	45	1.00	DI-658	D.I. TYPE 125	398+43.00	315.88	DI-659	D.I. TYPE 125	398+93.00	315.43	5.77	6.09			S		III		16ga	
600	NP-659	18	1	135	2.00	DI-659	D.I. TYPE 125	398+93.00	315.43	CB-655	C.B. TYPE 16	410+11.00	312.73	6.09	12.11			S		III		16ga	
600	NP-660	18	1	45	0.50	DI-660	D.I. TYPE 125	399+43.00	315.66	DI-659	D.I. TYPE 125	398+93.00	315.43	5.99	6.09			S		III		16ga	
600	NP-661	18	1	45	1.00	DI-661	D.I. TYPE 125	399+93.00	316.11	DI-660	D.I. TYPE 125	399+43.00	315.66	5.69	5.99			S		III		16ga	
600	NP-662	18	1	45	1.00	DI-662	D.I. TYPE 125	400+43.00	316.56	DI-661	D.I. TYPE 125	399+93.00	316.11	5.69	6.03			S		III		16ga	
1000	NP-1002	30	1	121	1.50	DI-1002	D.I. 24"X24"	195+00.00	289.94	J-1001	M.H.	196+27.40	288.12	14.98	20.99			S		III		16ga	
1000	NP-1006	54	1	36	2.26	J-1006	M.H.	196+41.82	284.32	J-1001	M.H.	196+27.40	283.50	14.98	20.48			S		III		16ga	
1000	NP-1007	18	1	54	1.84	CB-1007	D.I. TYPE 125	197+00.00	289.00	J-1006	M.H.	196+41.82	288.00	5.51	20.48			S		III		16ga	
1000	NP-1008	54	1	76	2.27	CB-1008	D.I. TYPE 112	196+38.65	286.05	J-1006	M.H.	196+41.82	284.32	6.95	20.48			S		III		16ga	
1000	NP-1010	18	1	36	1.12	DI-1010	D.I. TYPE 112	196+01.00	289.30	CB-1008	D.I. TYPE 112	196+38.65	288.90	3.60	6.95			S		III		16ga	
1000	NP-1011	54	1	74	1.83	DI-1011	D.I. TYPE 112	195+91.71	287.41	CB-1008	D.I. TYPE 112	196+38.65	286.05	6.95	7.59			S		III		16ga	
1000	NP-1012	24	1	98	0.42	DI-1012	D.I. TYPE 112	198+50.75	288.50	J-1019	M.H.	197+42.91	288.09	3.09	5.41			S		III		16ga	
1000	NP-1019	24	1	100	0.60	J-1019	M.H.	197+42.91	288.09	CB-1008	D.I. TYPE 112	196+38.65	287.49	5.41	6.95			S		III		16ga	
1000	EBC-1001	48	1	281	2.08	J-1001	M.H.	196+27.40	283.50	I20-OP 1000	OUTLET PIPE	196+26.53	277.67	-0.02	14.98	EBC	EBC	EBC	EBC	EBC	EBC	EBC	EBC

NOTE:
ALL PIPE UNDER TRAVEL LANES SHALL BE RCP

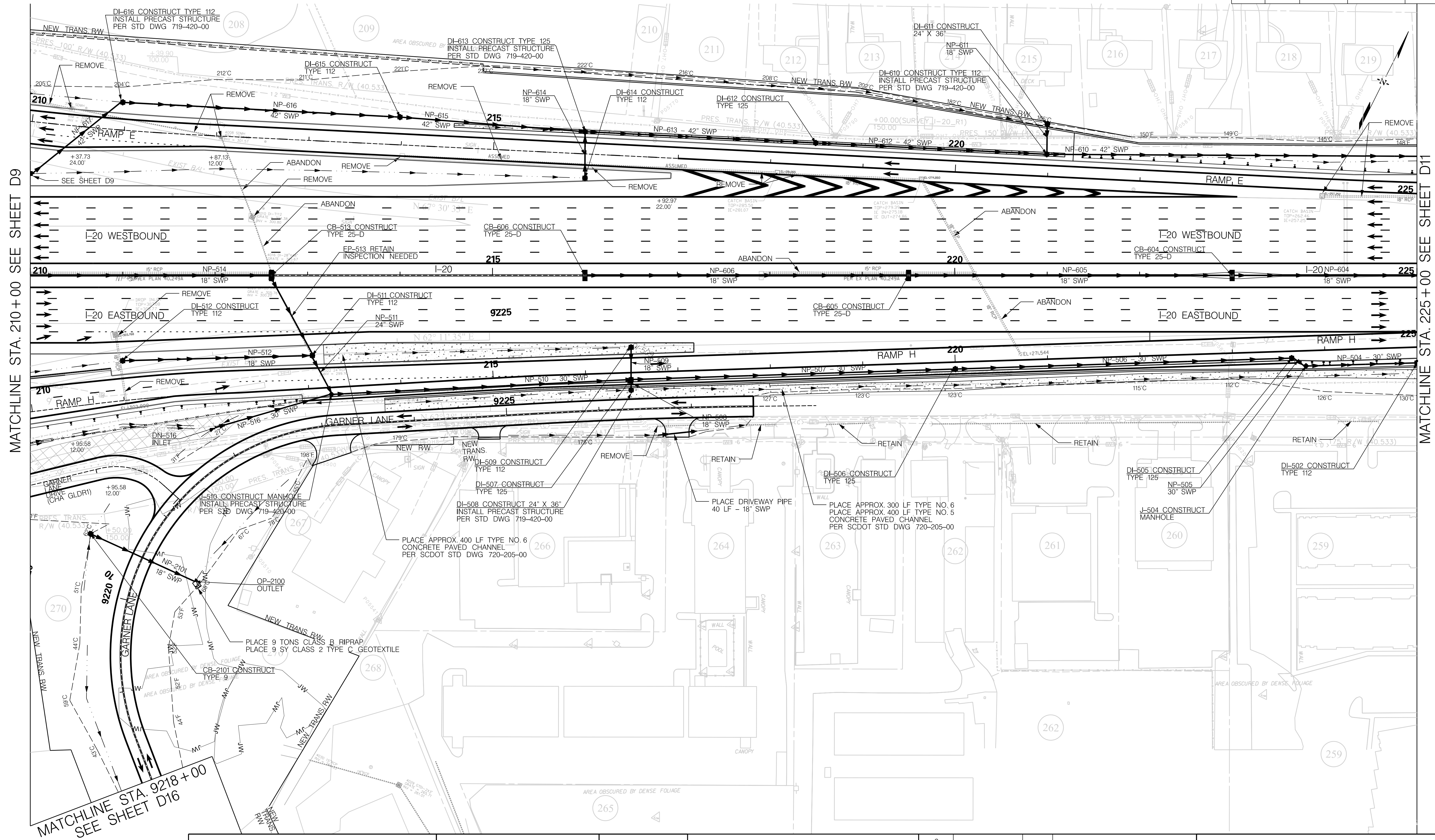


PRELIMINARY
NOT FOR CONSTRUCTION

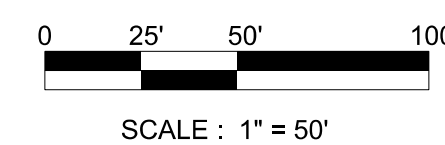
4			
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION			
CAROLINA CROSSROADS PHASE 2			
DRAINAGE PIPE DATA SHEET			

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	D10



NOTE:
REMOVE ALL EXISTING I-20 MEDIAN
DRAINAGE UNLESS NOTED OTHERWISE.
EXISTING SURVEY CONTOURS DISPLAYED.



ALIGNMENT CONTROL CAN BE FOUND ON
REFERENCE DATA SHEET



PRELIMINARY
NOT FOR CONSTRUCTION

SCALE: 1" = 50'

6			
5			
4			
3			
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

CAROLINA CROSSROADS PHASE 2


DRAINAGE PLAN SHEET

SMOOTH WALL PIPE TABLE

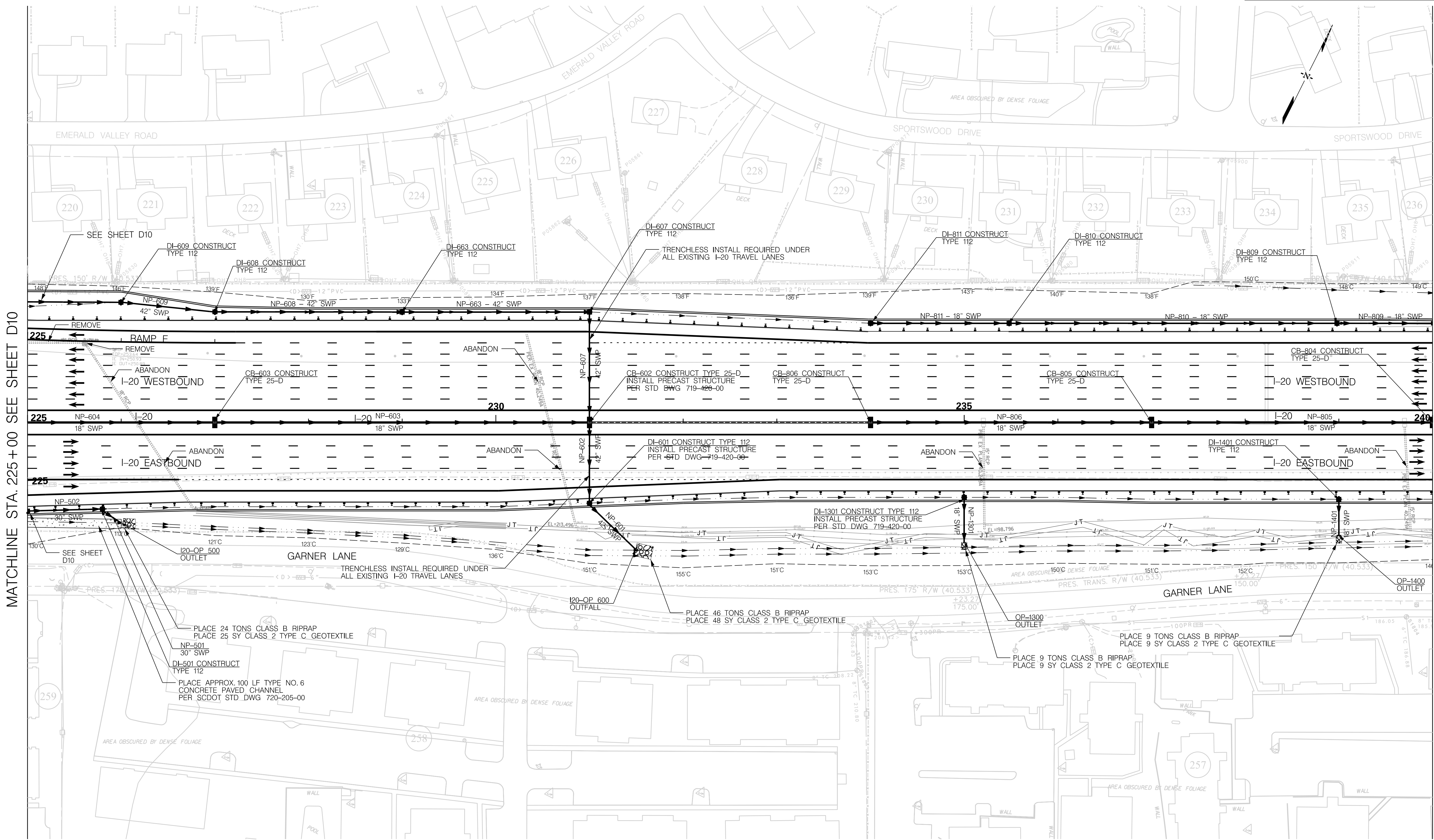
FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
3	S.C.	RICHLAND	P039719	I-20	D10A

System ID	Link ID	Geometry				Upstream				Downstream				Fill Height		Min field SPT "N" below invert	Joint Pressure (psi)	Smooth Wall Options					
		Diameter (in)	No. of barrels	Pipe Length (ft)	Slope (%)	Node	Node Description	Node Station	Link Invert (ft-NAVD 88)	Node	Node Description	Node Station	Link Invert (ft-NAVD 88)	Min (ft)	Max (ft)			HDPE Type	Built ✓	RCP highest class	Built ✓	SRAP thickest gage	Built ✓
500	NP-504	30	1	116	3.00	J-504	M.H.	223+80.02	255.79	DI-502	D.I. TYPE 112	225+00.00	252.31	5.42	6.21			S		III		16ga	
500	NP-505	30	1	14	4.00	DI-505	D.I. TYPE 125	223+64.00	257.53	J-504	M.H.	223+80.02	256.95	5.99	6.21			S		III		16ga	
500	NP-506	30	1	360	4.00	DI-506	D.I. TYPE 125	220+00.00	271.93	DI-505	D.I. TYPE 125	223+64.00	257.53	5.85	5.99			S		III		16ga	
500	NP-507	30	1	347	3.60	DI-507	D.I. TYPE 125	216+49.10	284.42	DI-506	D.I. TYPE 125	220+00.00	271.93	5.28	5.85			S		III		16ga	
500	NP-508	18	1	7	4.99	DI-508	D.I. 24"X36"	9226+35.59	286.18	DI-507	D.I. TYPE 125	216+49.10	285.81	5.28	12.74			S		III		16ga	
500	NP-509	18	1	31	5.00	DI-509	D.I. TYPE 112	216+49.91	287.35	DI-507	D.I. TYPE 125	216+49.10	285.81	3.60	5.28			S		III		16ga	
500	NP-510	30	1	321	3.00	J-510	M.H.	213+24.25	295.43	DI-507	D.I. TYPE 125	216+49.10	285.81	5.28	6.57			S		III		16ga	
500	NP-511	24	1	43	1.00	DI-511	D.I. TYPE 112	213+05.12	298.37	J-510	M.H.	213+24.25	297.93	4.33	6.57			S		III		16ga	
500	NP-512	18	1	201	2.40	DI-512	D.I. TYPE 112	211+00.00	303.83	DI-511	D.I. TYPE 112	213+05.12	299.00	3.86	4.33			S		III		16ga	
500	NP-514	18	1	307	1.10	CB-514	C.B. TYPE 25-DOUBLE	209+50.00	304.50	CB-513	C.B. TYPE 25-DOUBLE	212+61.00	301.12	5.08	6.79			S		III		16ga	
500	NP-516	30	1	129	4.29	DN-516	DUMMY JOINT	618+91.45	300.97	J-510	M.H.	213+24.25	295.43	-0.08	6.57			S		III		16ga	
600	NP-604	18	1	396	4.00	CB-604	C.B. TYPE 25-DOUBLE	223+00.00	260.87	CB-603	C.B. TYPE 25-DOUBLE	227+00.00	245.03	5.15	5.30			S		III		16ga	
600	NP-605	18	1	346	4.00	CB-605	C.B. TYPE 25-DOUBLE	219+50.00	274.71	CB-604	C.B. TYPE 25-DOUBLE	223+00.00	260.87	5.30	5.46			S		III		16ga	
600	NP-606	18	1	346	4.00	CB-606	C.B. TYPE 25-DOUBLE	216+00.00	288.55	CB-605	C.B. TYPE 25-DOUBLE	219+50.00	274.71	5.46	5.61			S		III		16ga	
600	NP-610	42	1	496	4.00	DI-610	D.I. TYPE 112	220+98.00	264.11	DI-609	D.I. TYPE 112	225+99.00	244.27	8.02	8.38			S		III		16ga	
600	NP-611	18	1	29	2.50	DI-611	D.I. 24"X36"	221+00.35	268.34	DI-610	D.I. TYPE 112	220+98.00	267.62	6.61	8.38			S		III		16ga	
600	NP-612	42	1	246	4.00	DI-612	D.I. TYPE 125	218+47.75	273.96	DI-610	D.I. TYPE 112	220+98.00	264.11	8.06	8.38			S		III		16ga	
600	NP-613	42	1	246	4.00	DI-613	D.I. TYPE 125	215+98.00	283.79	DI-612	D.I. TYPE 125	218+47.75	273.96	7.80	8.06			S		III		16ga	
600	NP-614	18	1	46	1.00	DI-614	D.I. TYPE 112	216+00.00	287.76	DI-613	D.I. TYPE 125	215+98.00	287.29	4.58	7.80			S		III		16ga	
600	NP-615	42	1	197	1.00	DI-615	D.I. TYPE 112	213+97.16	287.35	DI-613	D.I. TYPE 125	215+98.00	285.38	7.80	10.20			S		III		16ga	
600	NP-616	42	1	296	0.30	DI-616	D.I. TYPE 112	210+96.00	288.24	DI-615	D.I. TYPE 112	213+97.16	287.35	10.20	17.92			S		III		16ga	
600	NP-617	42	1	123	0.30	DI-617	D.I. TYPE 112	210+00.00	288.61	DI-616	D.I. TYPE 112	210+96.00	288.24	17.92	19.72			S		III		16ga	
2000	NP-2101	18	1	122	5.08	CB-2101	C.B. TYPE 9	9220+48.47	281.65	OP-2100	OUTLET PIPE	9220+49.95	275.45	0.00	5.01			S		III		16ga	
500	EP-513	24	1	92	2.38	CB-513	C.B. TYPE 25-DOUBLE	212+61.00	300.70	DI-511	D.I. TYPE 112	213+05.12	298.50	4.33	5.08	EP	EP	EP	EP	EP	EP	EP	EP

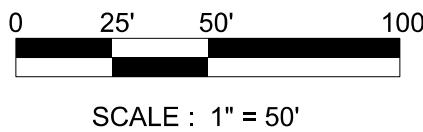
NOTE:
ALL PIPE UNDER TRAVEL LANES SHALL BE RCP

	 	<div style="text-align: center;"> <h1>PRELIMINARY</h1> <h2>NOT FOR CONSTRUCTION</h2> </div>	4				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
			3				CAROLINA CROSSROADS PHASE 2
			2				
			1				
			0				DRAINAGE PIPE DATA SHEET
			REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	D11



NOTE:
REMOVE ALL EXISTING I-20 MEDIAN DRAINAGE UNLESS NOTED OTHERWISE.
EXISTING SURVEY CONTOURS DISPLAYED.



ALIGNMENT CONTROL CAN BE FOUND ON REFERENCE DATA SHEET



PRELIMINARY
NOT FOR CONSTRUCTION

SCALE: 1" = 50'

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	



SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
CAROLINA CROSSROADS PHASE 2
DRAINAGE PLAN SHEET

SMOOTH WALL PIPE TABLE

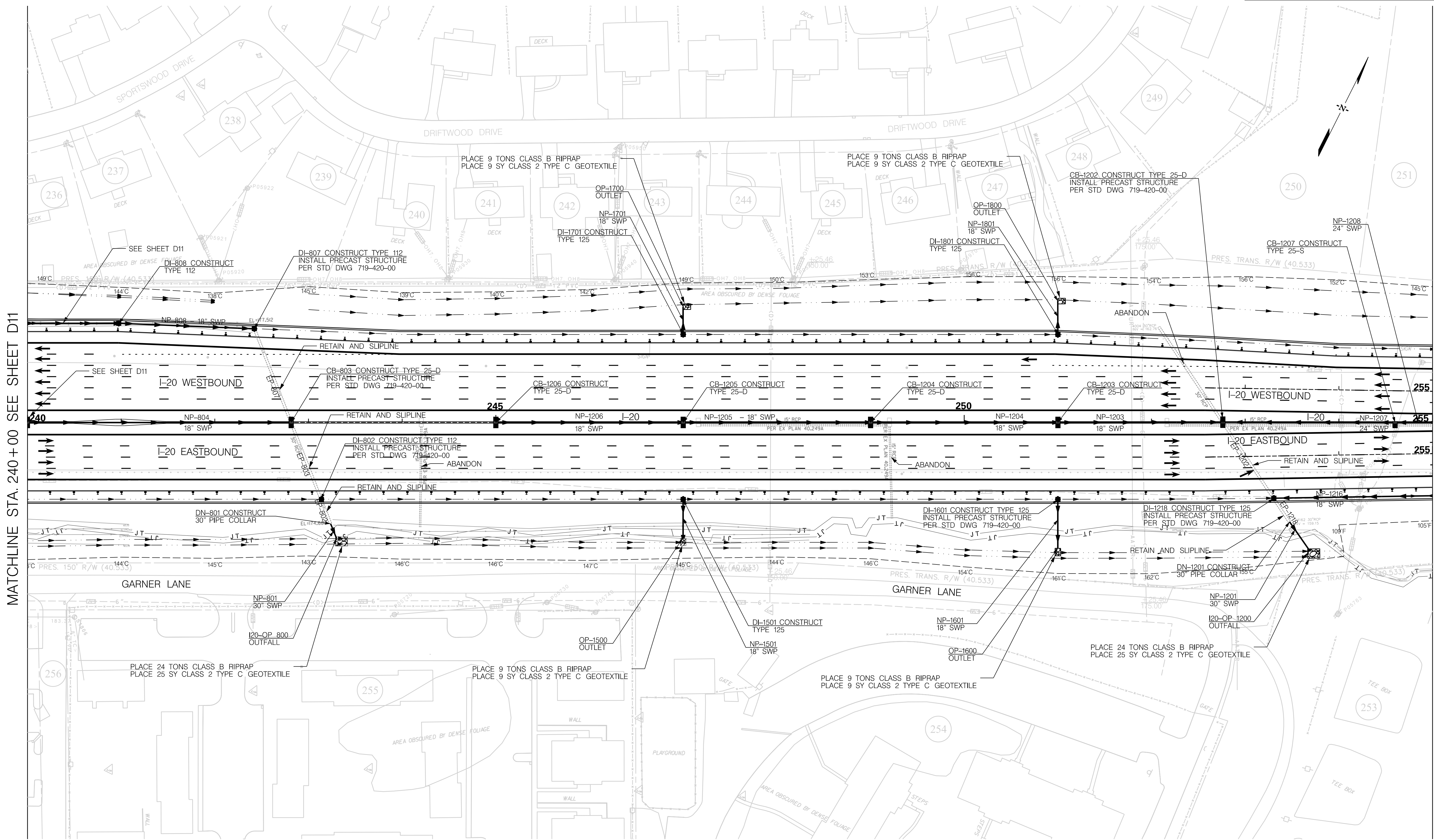
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3	S.C.	RICHLAND	P039719	I-20	D11A

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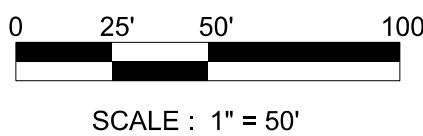
NOTE:
ALL PIPE UNDER TRAVEL LANES SHALL BE RCP

	 	<div>PRELIMINARY</div> <div>NOT FOR CONSTRUCTION</div>	4				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION	
			3					CAROLINA CROSSROADS PHASE 2
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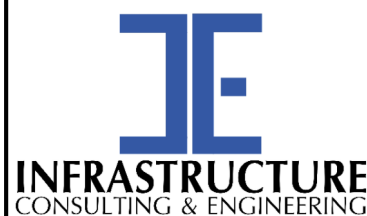
FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	D12



NOTE:
REMOVE ALL EXISTING I-20 MEDIAN
DRAINAGE UNLESS NOTED OTHERWISE.
EXISTING SURVEY CONTOURS DISPLAYED.



ALIGNMENT CONTROL CAN BE FOUND ON
REFERENCE DATA SHEET



PRELIMINARY
NOT FOR CONSTRUCTION

SCALE: 1" = 50'

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

CAROLINA CROSSROADS PHASE 2



DRAINAGE PLAN SHEET

SMOOTH WALL PIPE TABLE

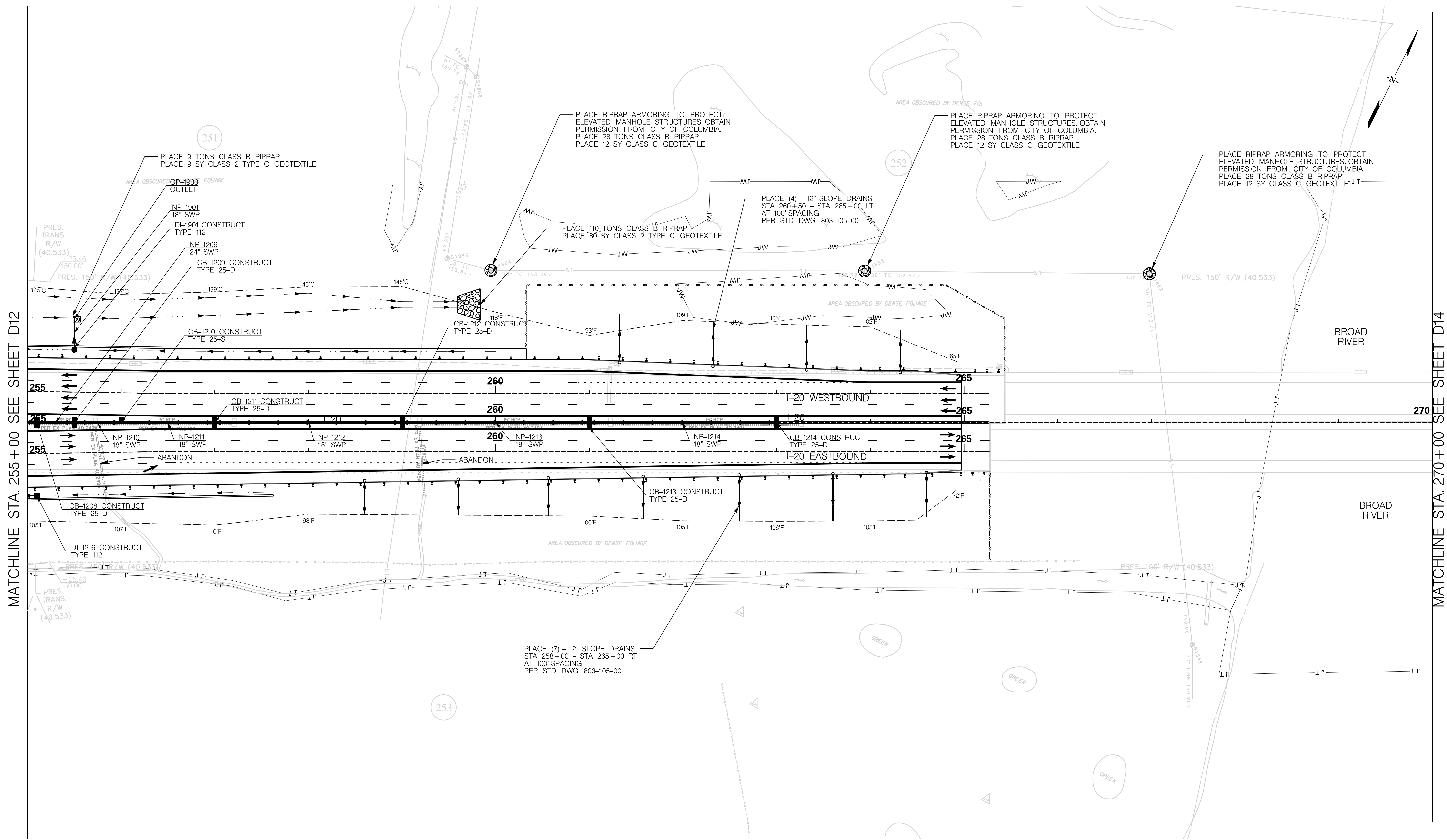
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3	S.C.	RICHLAND	P039719	I-20	D12A

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NOTE:
ALL PIPE UNDER TRAVEL LANES SHALL BE RCP

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			3					CAROLINA CROSSROADS PHASE 2
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			1				DRAINAGE PIPE DATA SHEET	
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			REV. NO.	BY	DATE	DESCRIPTION OF REVISION		

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	D13



NOTE:
REMOVE ALL EXISTING I-20 MEDIAN DRAINAGE UNLESS NOTED OTHERWISE.
EXISTING SURVEY CONTOURS DISPLAYED.

ALIGNMENT CONTROL CAN BE FOUND ON REFERENCE DATA SHEET

ARCHER UNITED
JOINT VENTURE

INFRASTRUCTURE
CONSULTING & ENGINEERING

PRELIMINARY
NOT FOR CONSTRUCTION

SCALE: 1" = 50'

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	



SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION	
CAROLINA CROSSROADS PHASE 2	
DRAINAGE PLAN SHEET	

SMOOTH WALL PIPE TABLE

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
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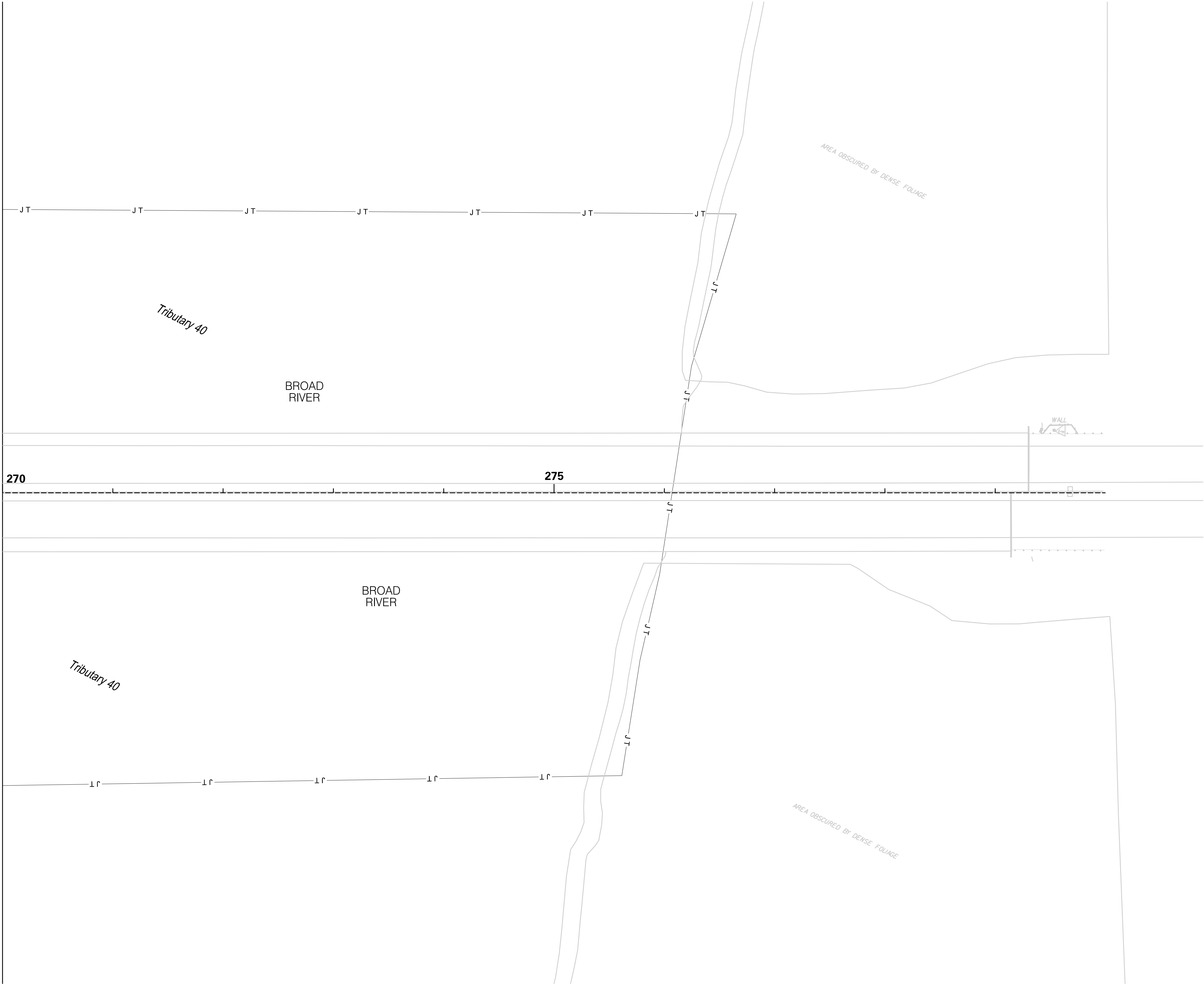
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NOTE:
ALL PIPE UNDER TRAVEL LANES SHALL BE RCP

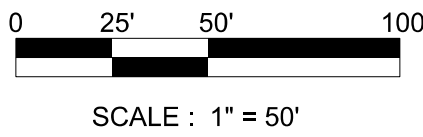
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			3					CAROLINA CROSSROADS PHASE 2
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			1				DRAINAGE PIPE DATA SHEET	
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			REV. NO.	BY	DATE	DESCRIPTION OF REVISION		

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	D14

MATCHLINE STA. 270 + 00 SEE SHEET D13



NOTE:
EXISTING SURVEY CONTOURS DISPLAYED.



ALIGNMENT CONTROL CAN BE FOUND ON
REFERENCE DATA SHEET



PRELIMINARY
NOT FOR CONSTRUCTION

SCALE: 1" = 50'

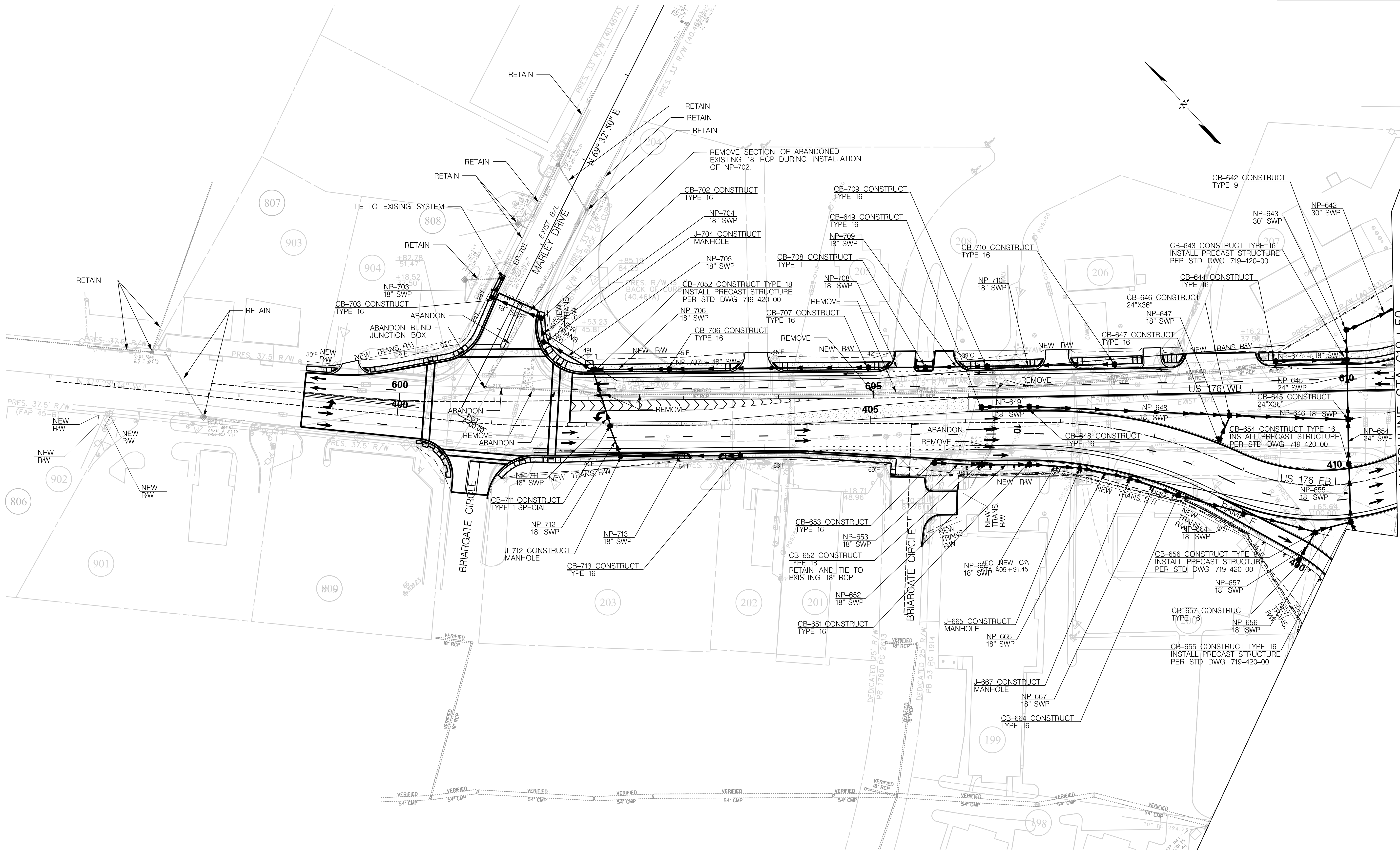
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

CAROLINA CROSSROADS PHASE 2

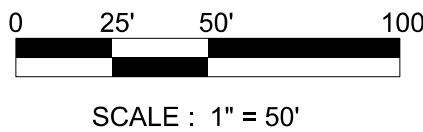
DRAINAGE PLAN SHEET

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	D15



MATCHLINE STA. 610+50
SEE SHEET D9

NOTE:
EXISTING SURVEY CONTOURS DISPLAYED.



ALIGNMENT CONTROL CAN BE FOUND ON
REFERENCE DATA SHEET



PRELIMINARY
NOT FOR CONSTRUCTION

SCALE: 1" = 50'

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

CAROLINA CROSSROADS PHASE 2

DRAINAGE PLAN SHEET

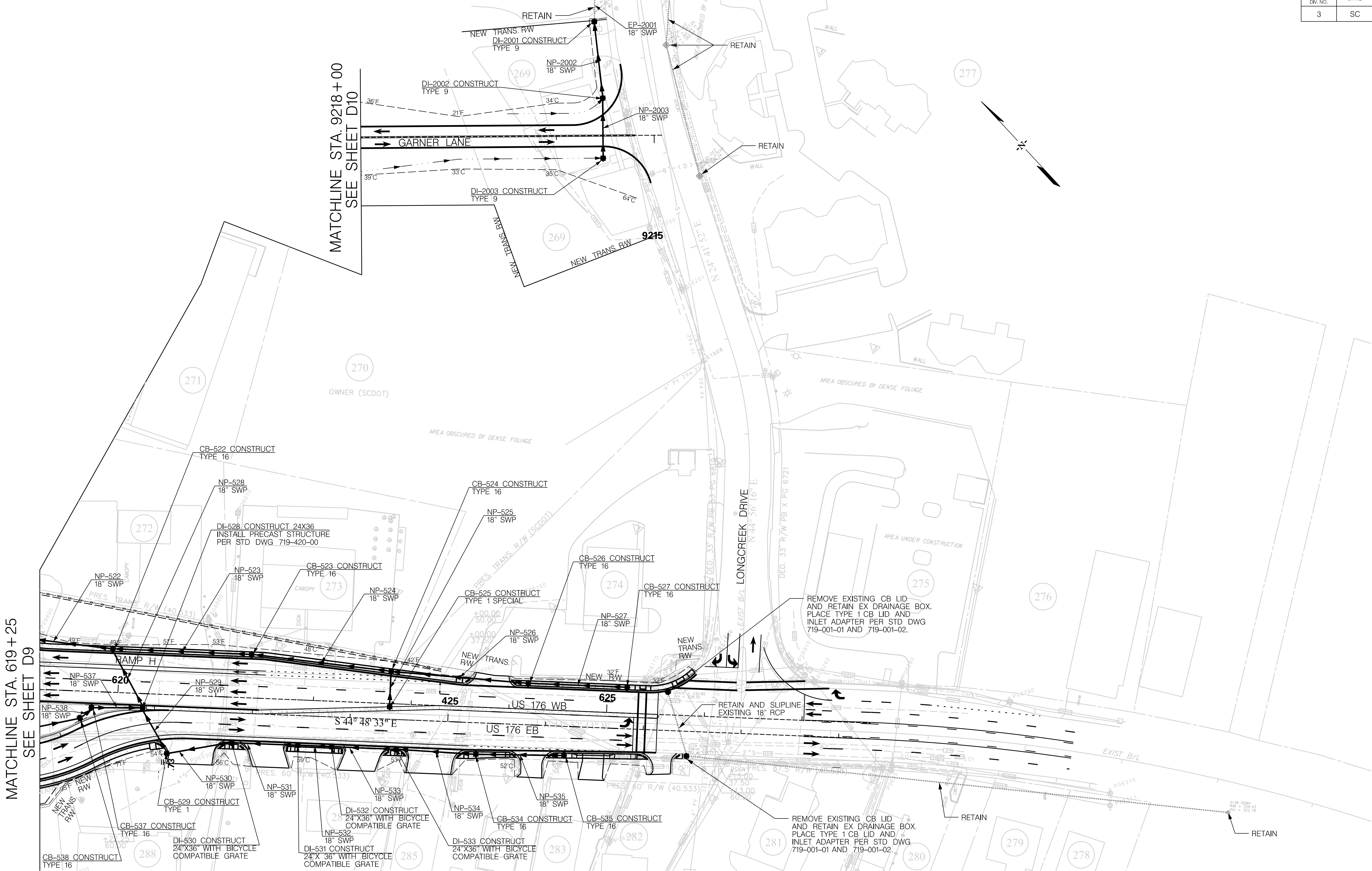
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NOTE:
ALL PIPE UNDER TRAVEL LANES SHALL BE RCP

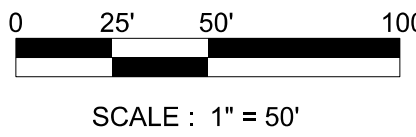
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION

DRAINAGE PIPE DATA SHEET

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	D16



NOTE:
EXISTING SURVEY CONTOURS DISPLAYED.



ALIGNMENT CONTROL CAN BE FOUND ON
REFERENCE DATA SHEET



PRELIMINARY
NOT FOR CONSTRUCTION

SCALE: 1" = 50'

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

CAROLINA CROSSROADS PHASE 2

DRAINAGE PLAN SHEET

SMOOTH WALL PIPE TABLE

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
3	S.C.	RICHLAND	P039719	I-20	D16A

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NOTE:
ALL PIPE UNDER TRAVEL LANES SHALL BE RCP

ARCHER UNITED
JOINT VENTURE   **UNITED**
INFRASTRUCTURE CONSULTING & ENGINEERING

PRELIMINARY
NOT FOR CONSTRUCTION

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

CAROLINA CROSSROADS PHASE 2

DRAINAGE PIPE DATA SHEET

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	EC1

GENERAL EROSION CONTROL NOTES

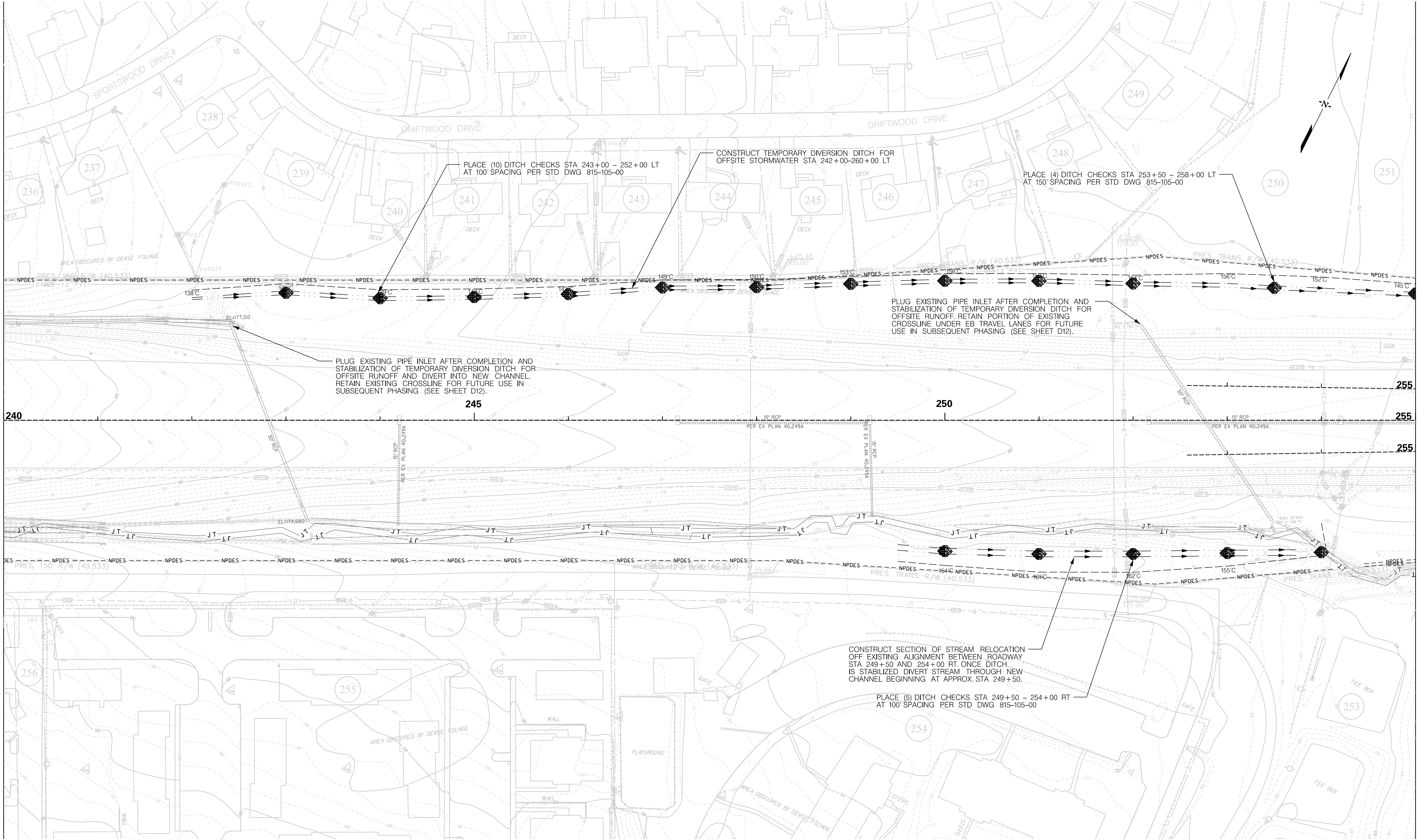
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4/14/2022



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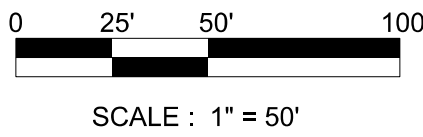
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
CAROLINA CROSSROADS PHASE 2
EROSION CONTROL NOTES SHEET

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	EC2



MATCHLINE STA. 255 + 00 SEE SHEET EC3

NOTE:
EXISTING SURVEY CONTOURS DISPLAYED.



ALIGNMENT CONTROL CAN BE FOUND ON
REFERENCE DATA SHEET



PRELIMINARY
NOT FOR CONSTRUCTION

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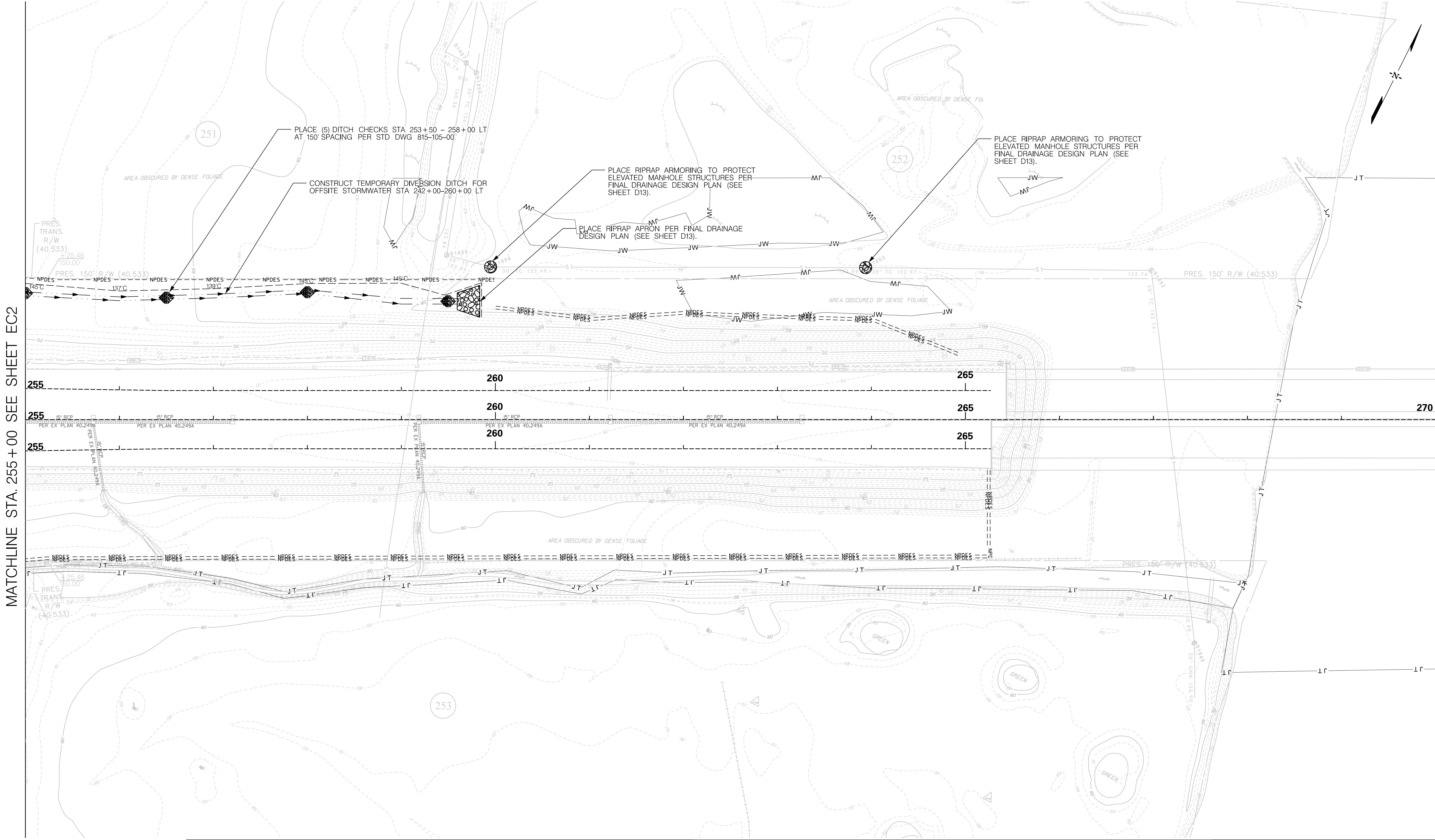
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

CAROLINA CROSSROADS PHASE 2

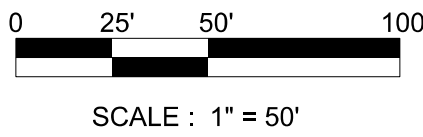
EROSION CONTROL PLAN SHEET
STAGE 1

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	EC3



MATCHLINE STA. 255 + 00 SEE SHEET EC2

NOTE:
EXISTING SURVEY CONTOURS DISPLAYED.



ALIGNMENT CONTROL CAN BE FOUND ON
REFERENCE DATA SHEET



PRELIMINARY
NOT FOR CONSTRUCTION

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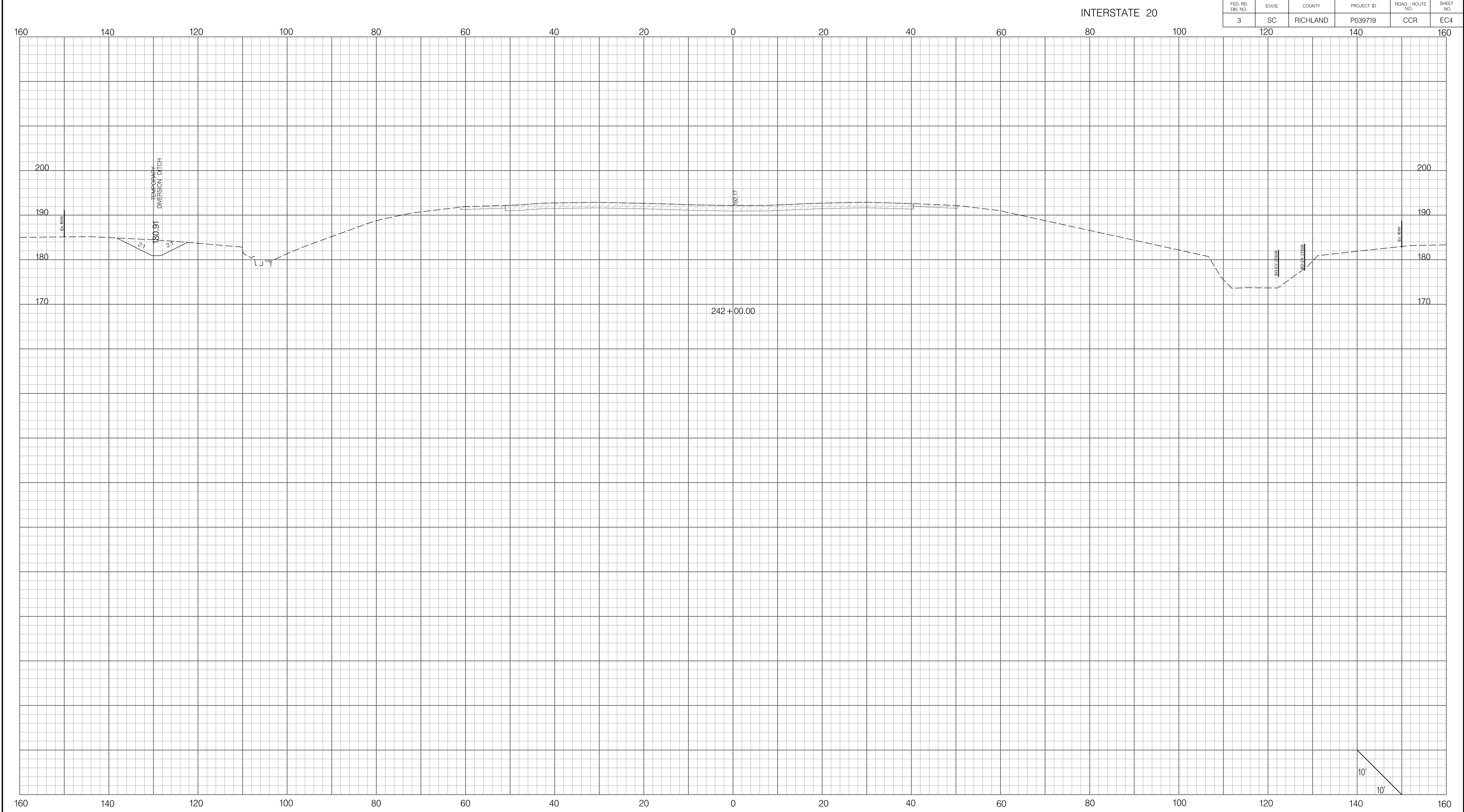
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

CAROLINA CROSSROADS PHASE 2

EROSION CONTROL PLAN SHEET
STAGE 1

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4/14/2022



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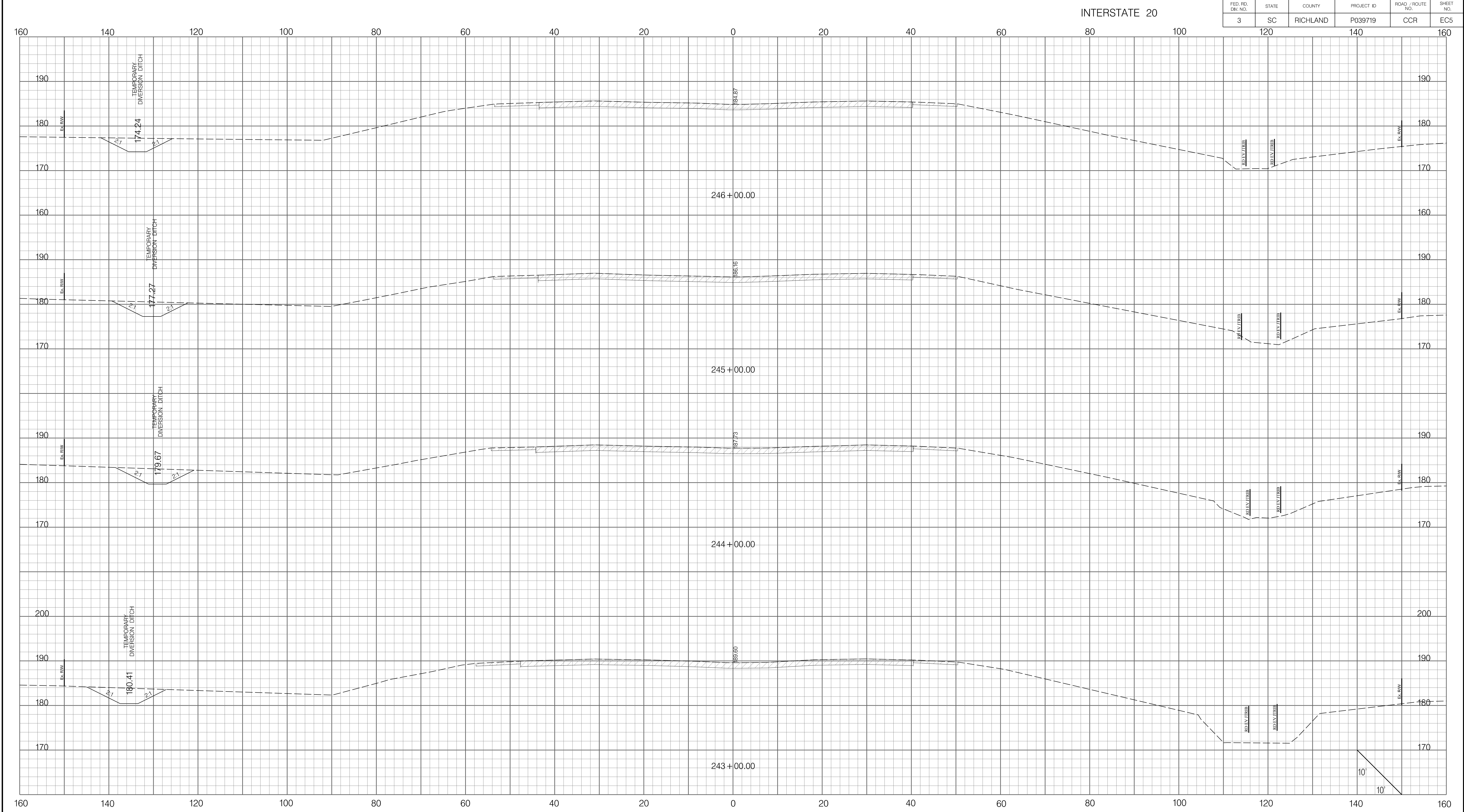


PRELIMINARY
NOT FOR CONSTRUCTION

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
CAROLINA CROSSROADS PHASE 2
EC STAGE 1 CROSS SECTION SHEET

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4/14/2022



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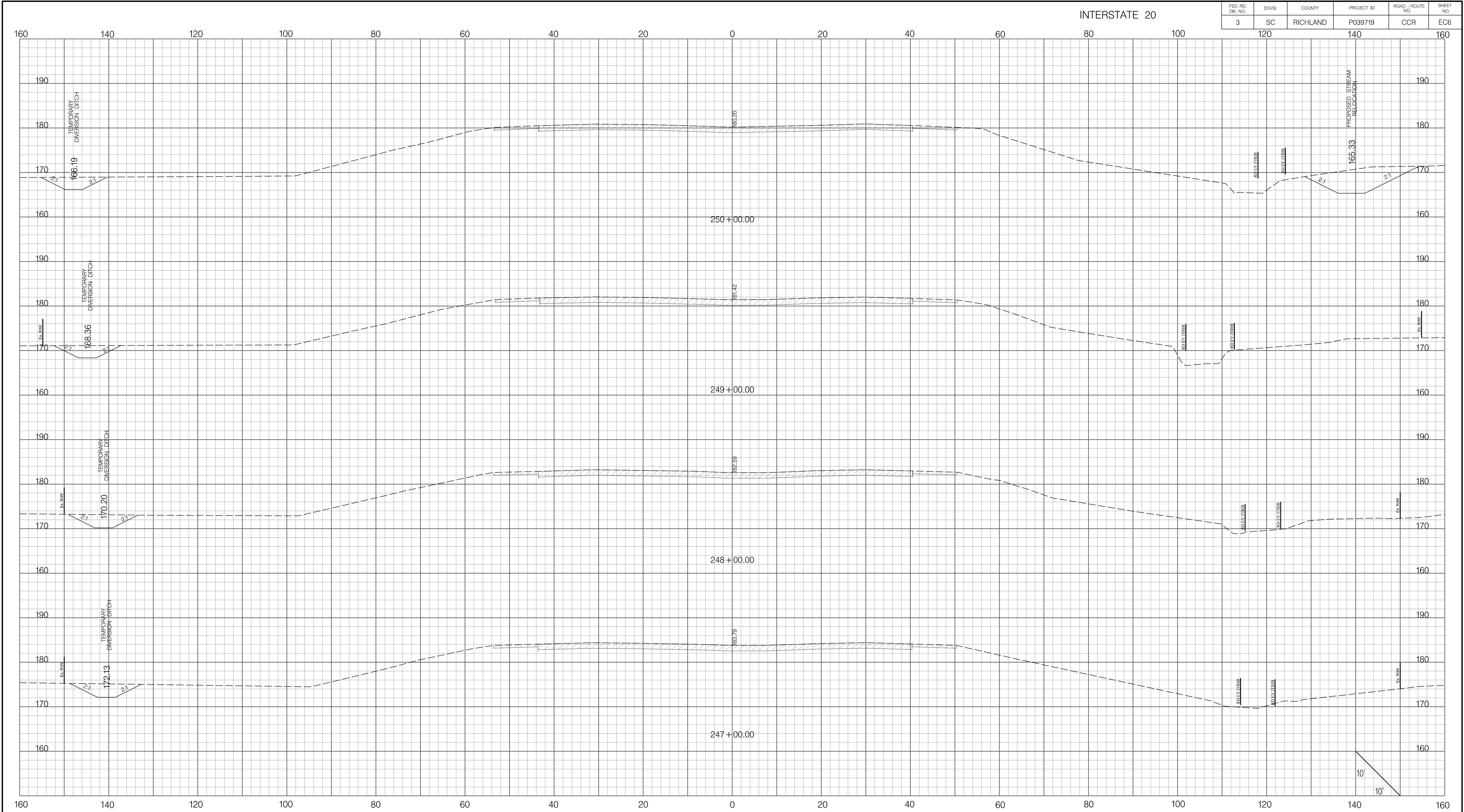


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REV. NO.	BY	DATE	DESCRIPTION OF REVISION

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
CAROLINA CROSSROADS PHASE 2
EC STAGE 1 CROSS SECTION SHEET

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4/14/2022



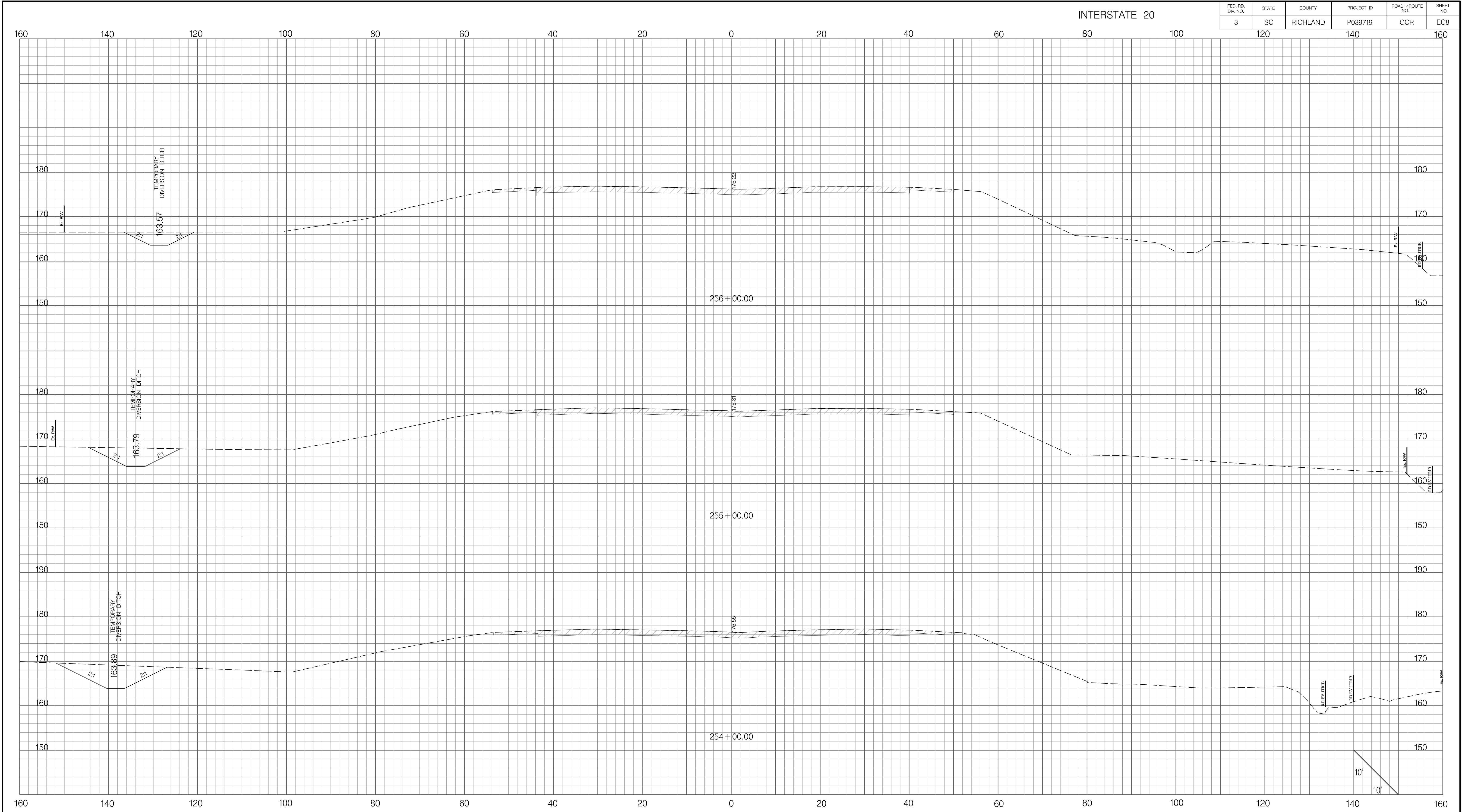
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				CAROLINA CROSSROADS PHASE 2			
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PRELIMINARY

NOT FOR CONSTRUCTION



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4/14/2022

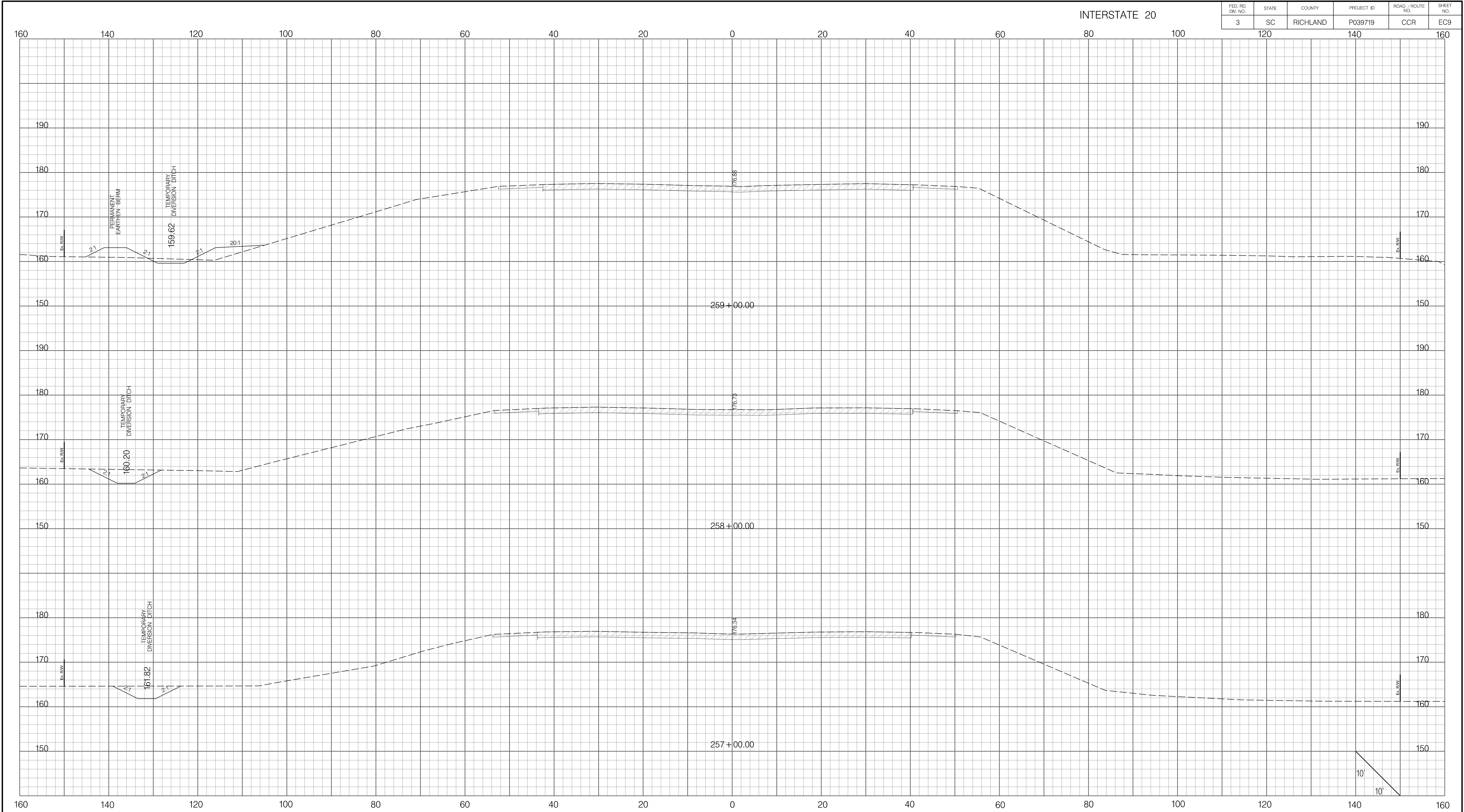


PRELIMINARY
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
CAROLINA CROSSROADS PHASE 2
EC STAGE 1 CROSS SECTION SHEET

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4/14/2022



FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
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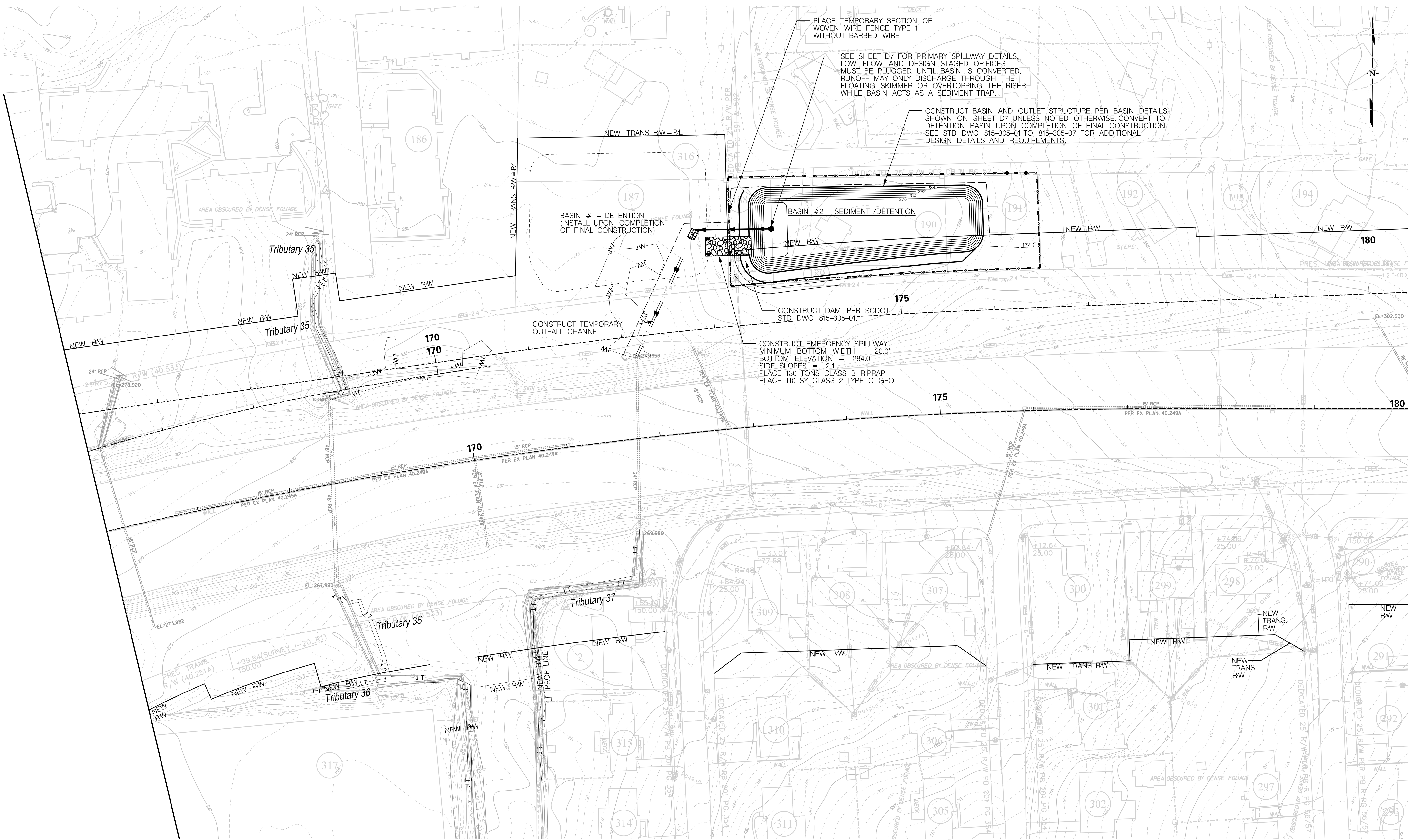
PRELIMINARY
NOT FOR CONSTRUCTION

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

CAROLINA CROSSROADS PHASE 2

EC STAGE 1 CROSS SECTION SHEET



NOTE:
EXISTING SURVEY CONTOURS DISPLAYED.



ALIGNMENT CONTROL CAN BE FOUND ON
REFERENCE DATA SHEET



PRELIMINARY
NOT FOR CONSTRUCTION

SCALE: 1" = 50'

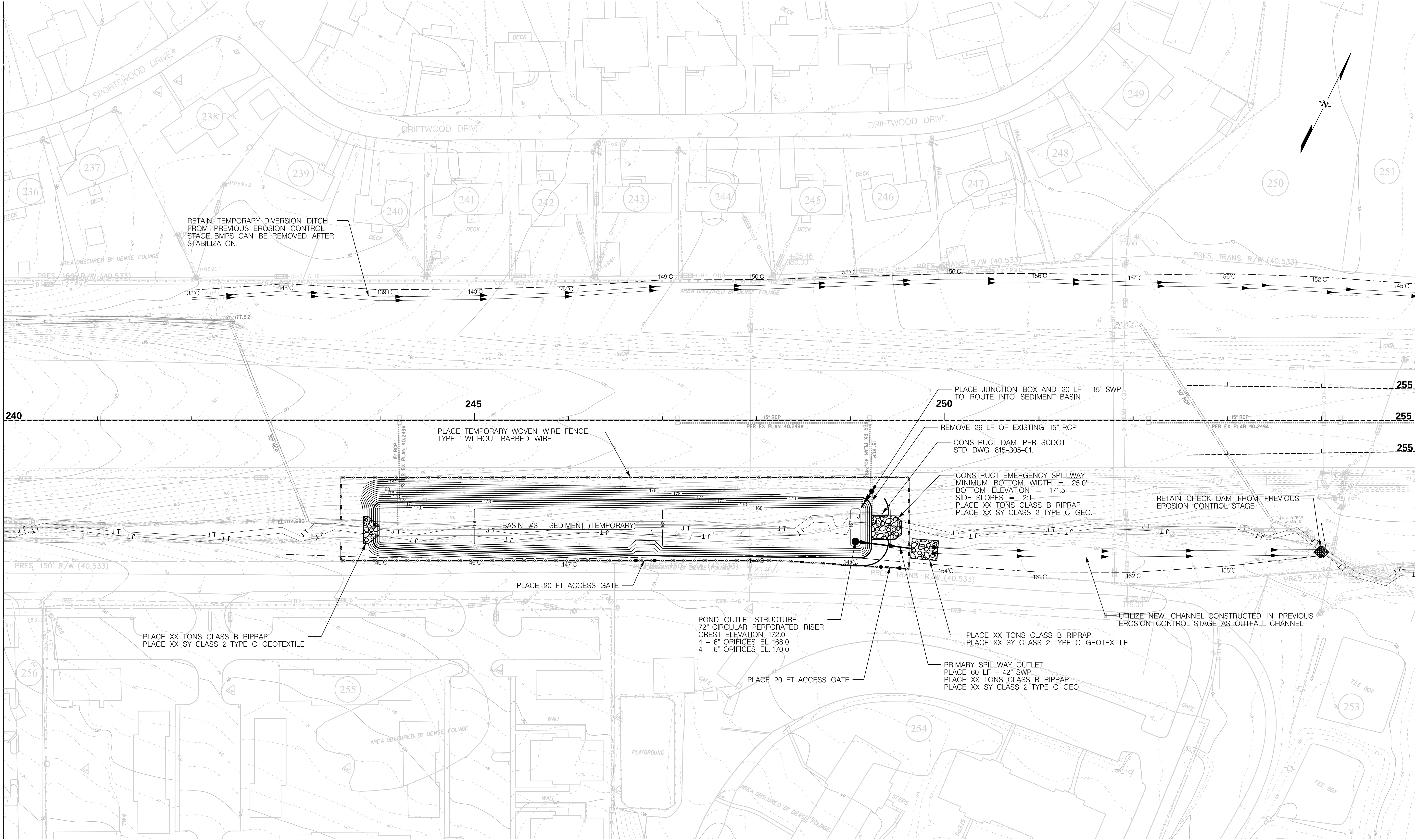
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

CAROLINA CROSSROADS PHASE 2

EROSION CONTROL PLAN SHEET
STAGE 2

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	EC11



NOTE:
EXISTING SURVEY CONTOURS DISPLAYED.



ALIGNMENT CONTROL CAN BE FOUND ON
REFERENCE DATA SHEET



PRELIMINARY
NOT FOR CONSTRUCTION

SCALE: 1" = 50'

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

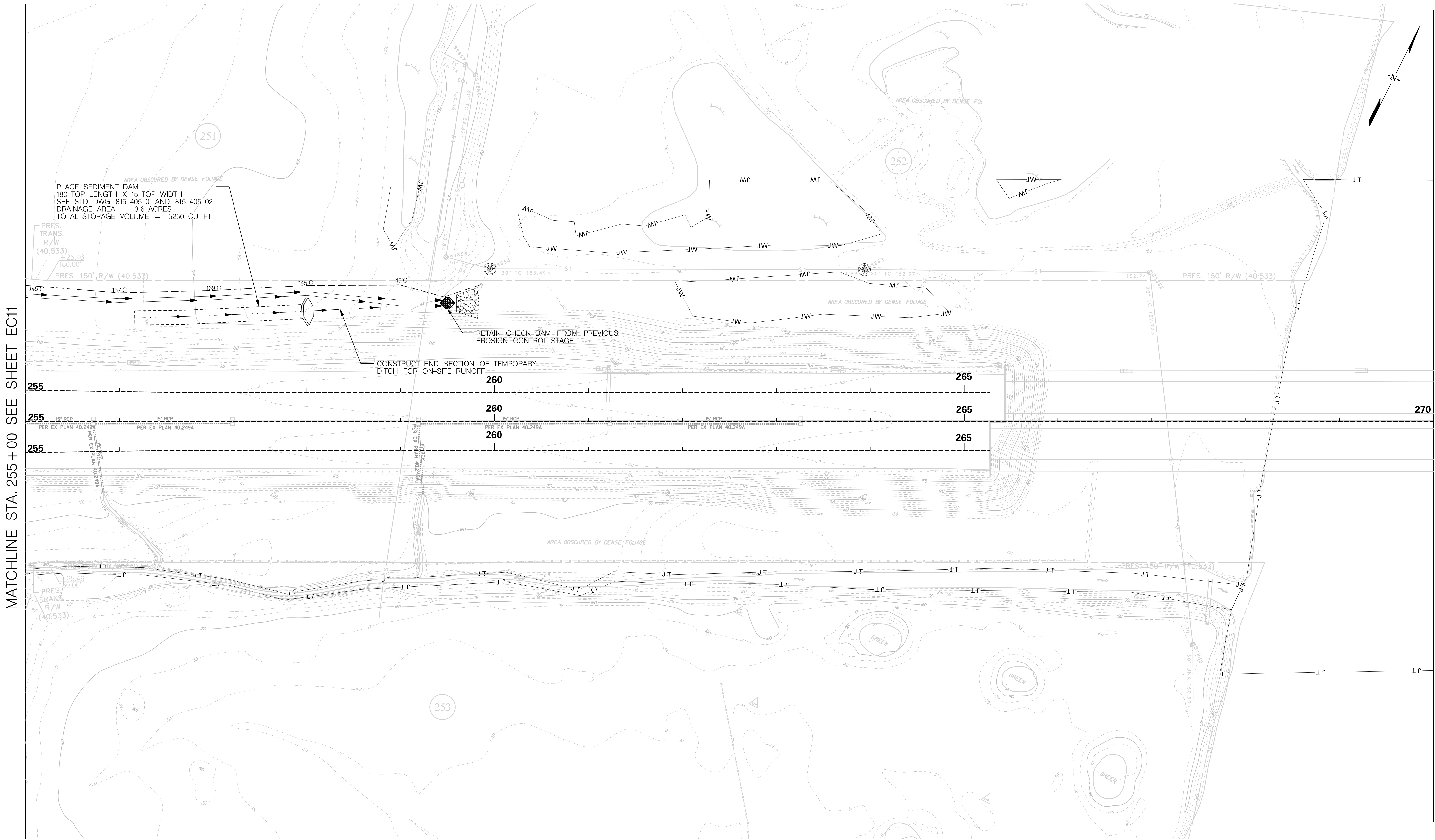
CAROLINA CROSSROADS PHASE 2

EROSION CONTROL PLAN SHEET
STAGE 2

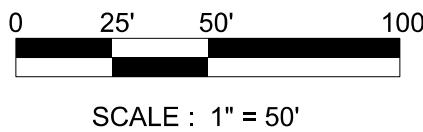
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4/14/2022

MATCHLINE STA. 255+00 SEE SHEET EC12

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	EC12



NOTE:
EXISTING SURVEY CONTOURS DISPLAYED.



ALIGNMENT CONTROL CAN BE FOUND ON
REFERENCE DATA SHEET



PRELIMINARY
NOT FOR CONSTRUCTION

SCALE: 1" = 50'

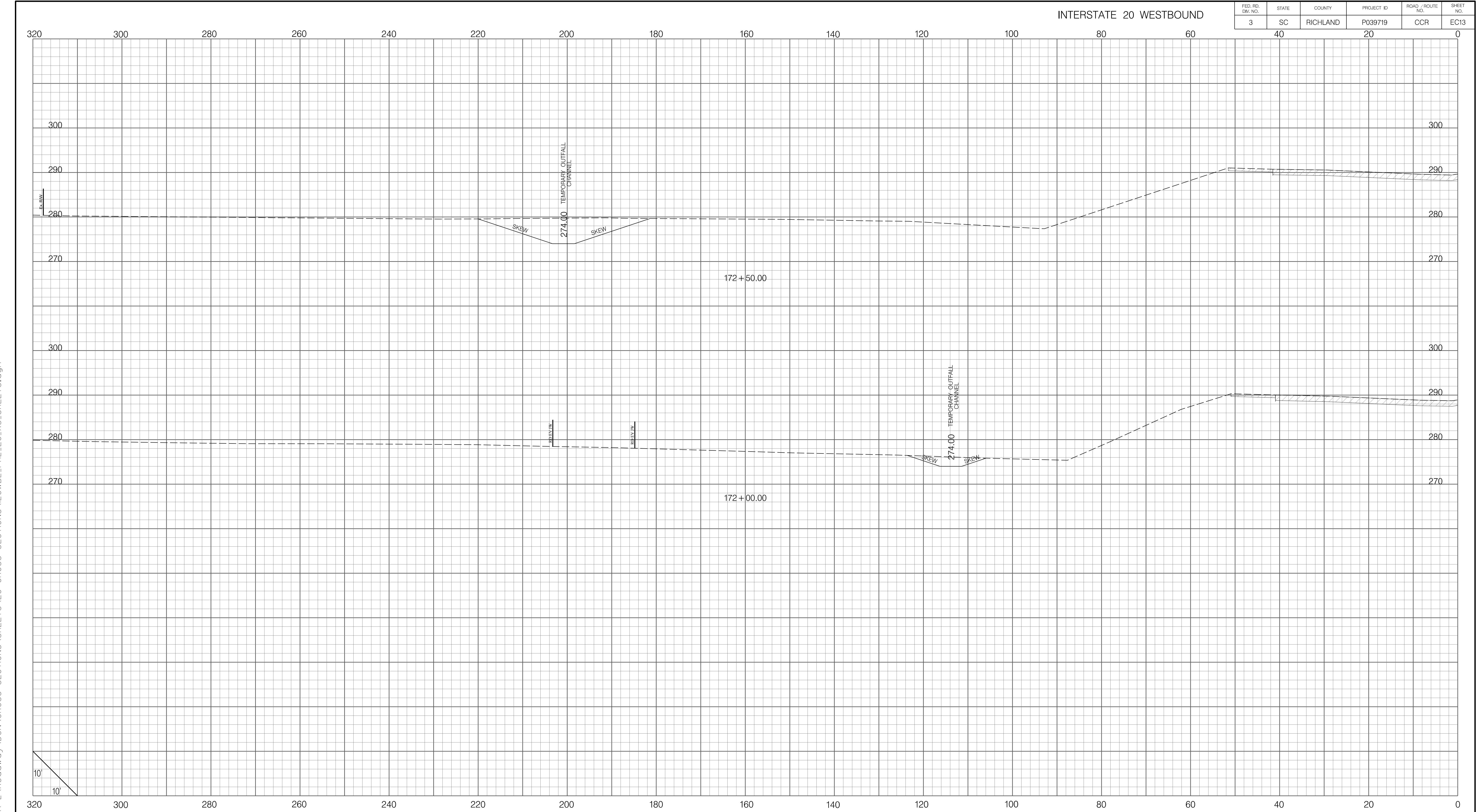
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

CAROLINA CROSSROADS PHASE 2

EROSION CONTROL PLAN SHEET
STAGE 2

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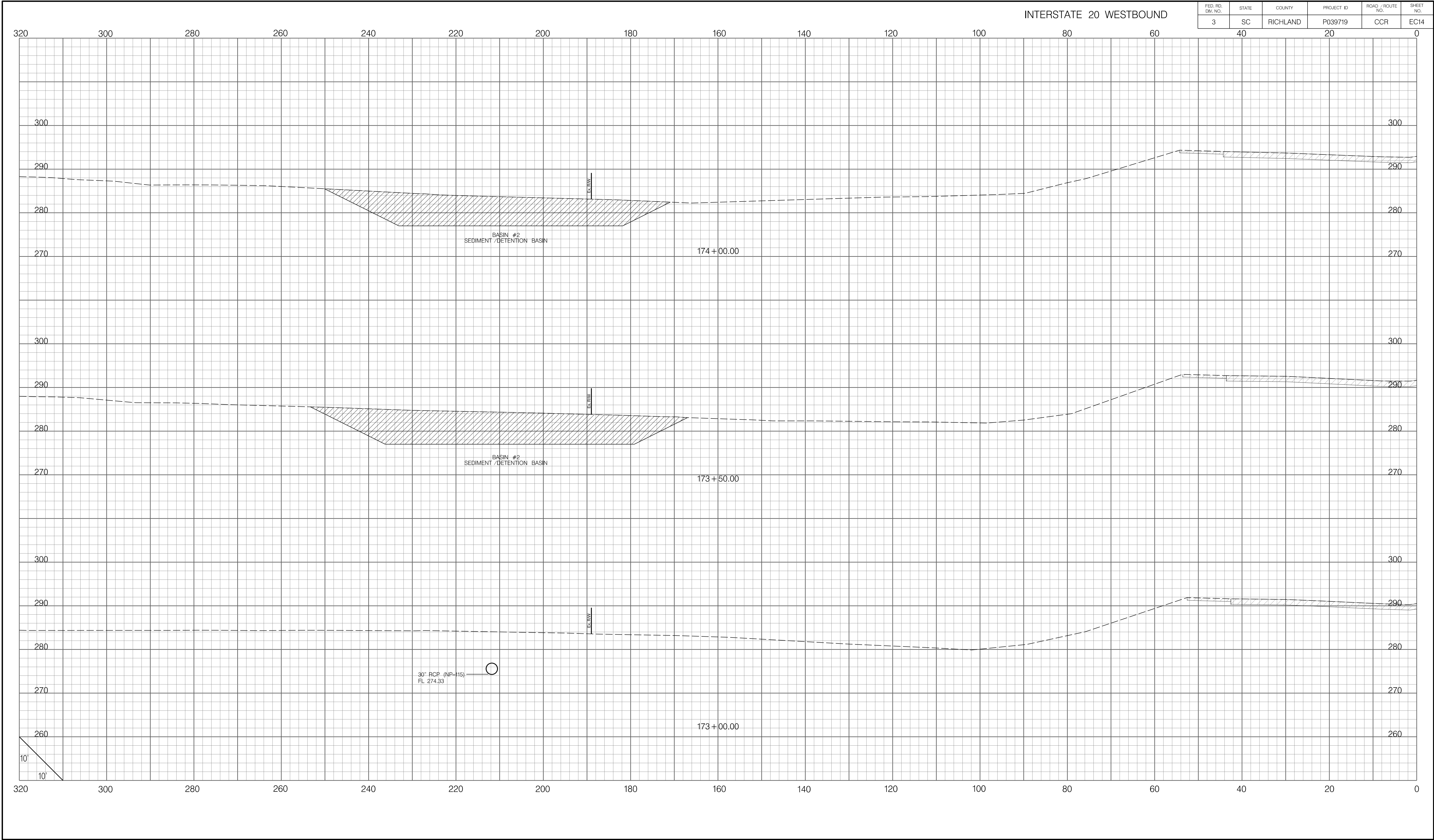


PRELIMINARY
NOT FOR CONSTRUCTION

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
CAROLINA CROSSROADS PHASE 2
EC STAGE 2 CROSS SECTION SHEET

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4/14/2022

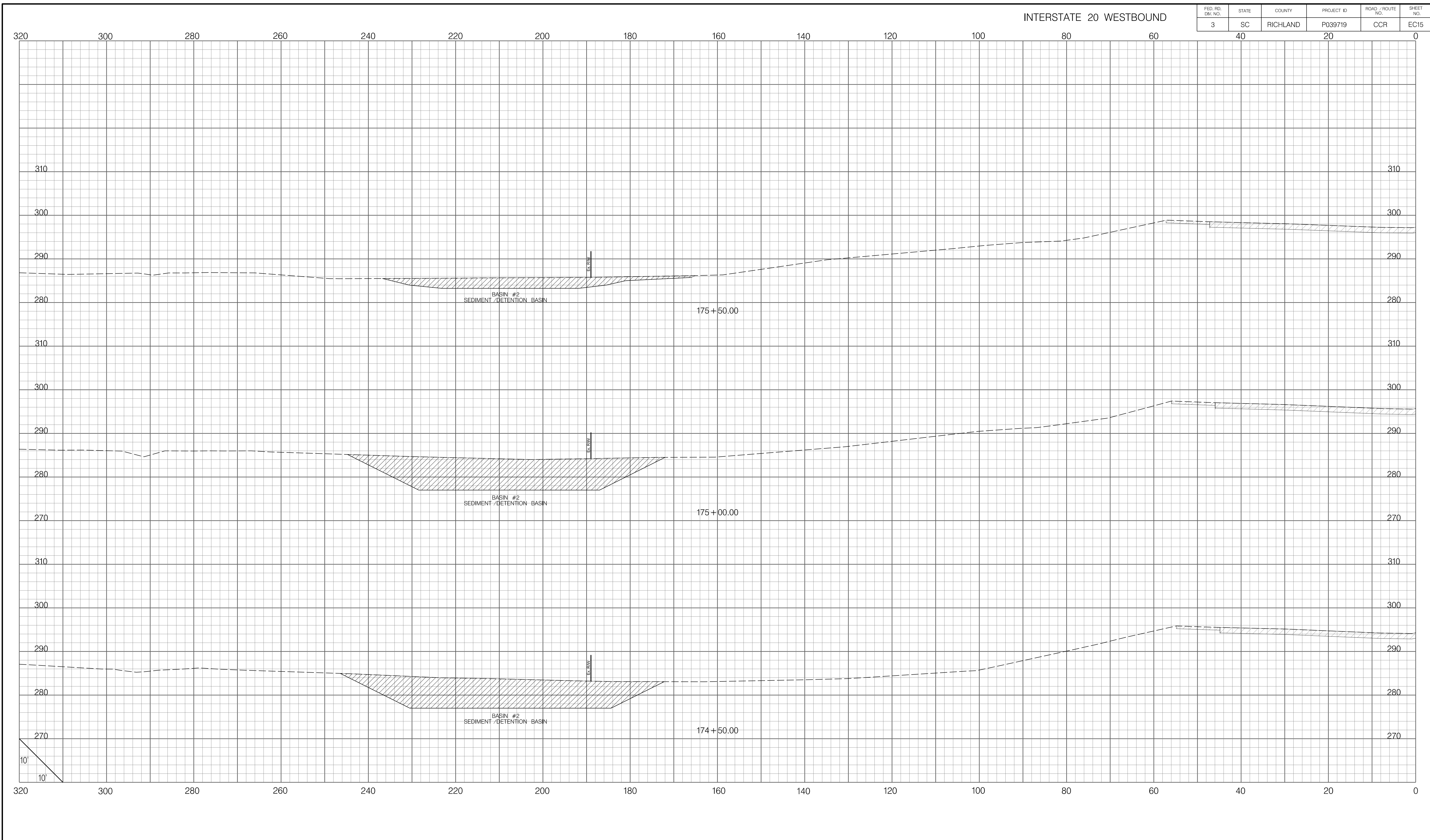



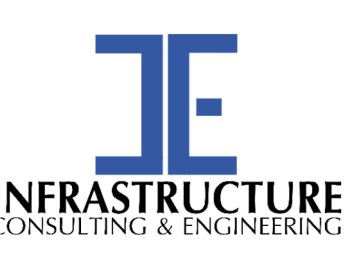
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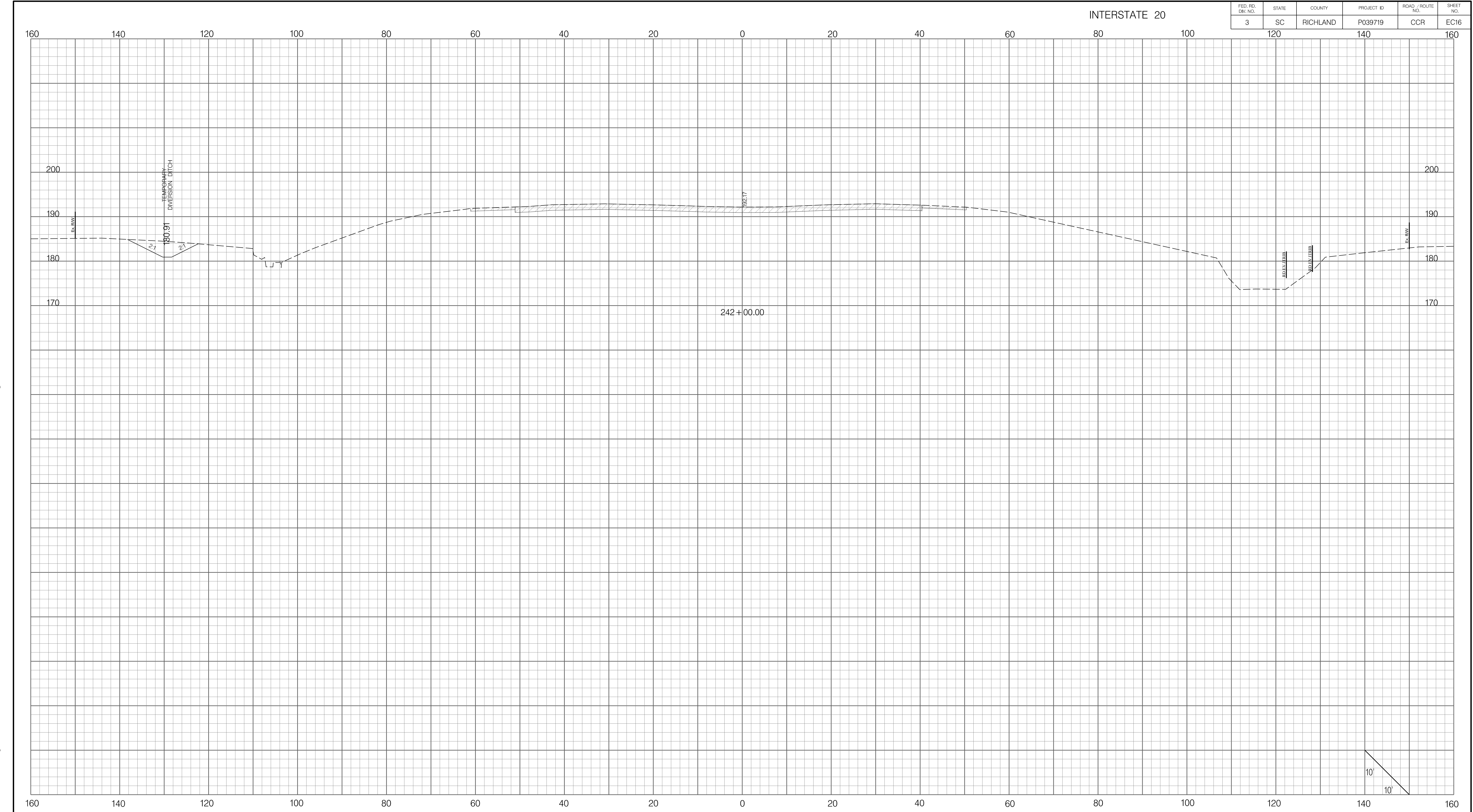
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
CAROLINA CROSSROADS PHASE 2
EC STAGE 2 CROSS SECTION SHEET

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4/14/2022



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REV. NO.	BY	DATE	DESCRIPTION OF REVISION							

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FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
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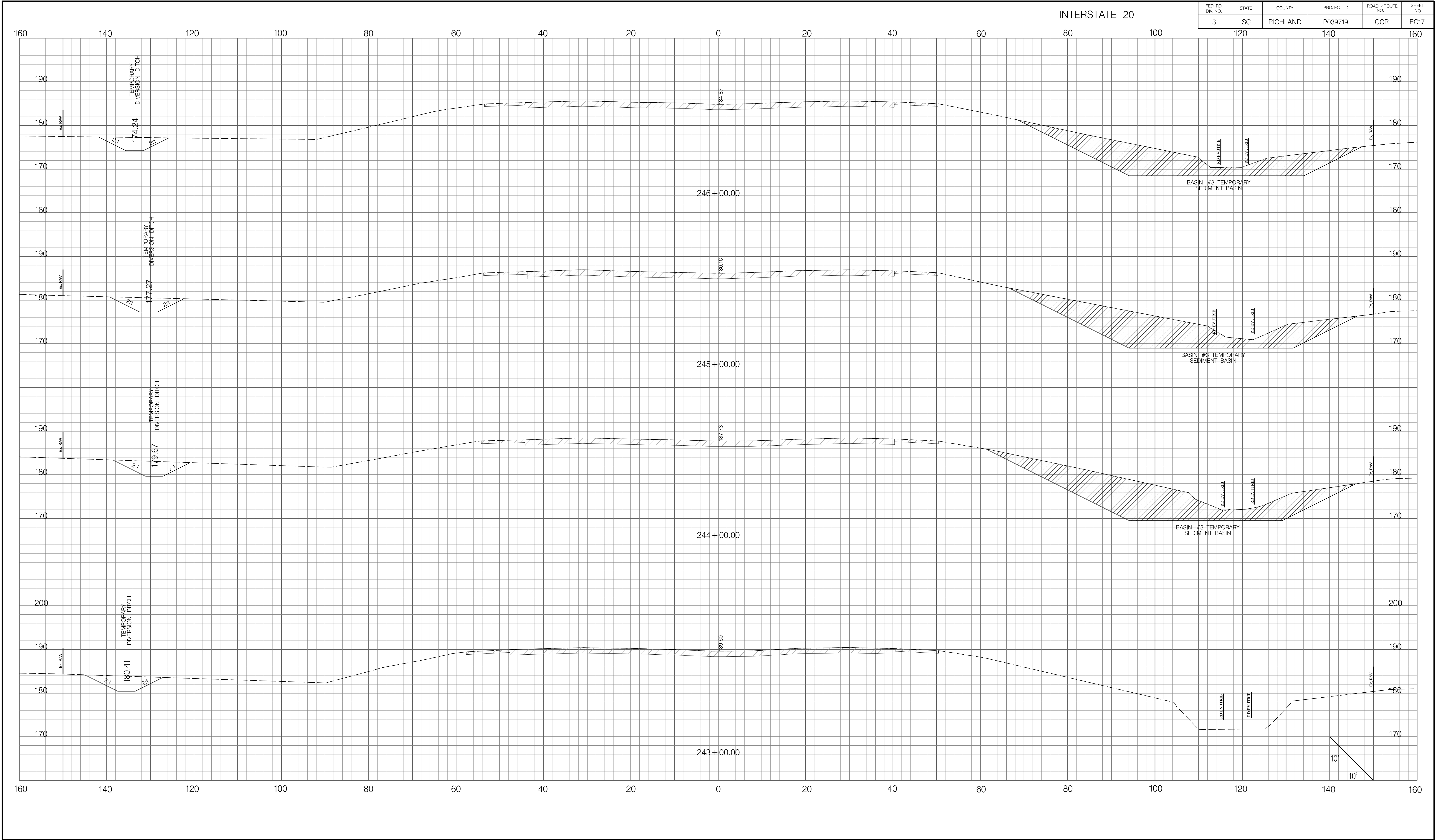


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REV. NO.	BY	DATE	DESCRIPTION OF REVISION

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
CAROLINA CROSSROADS PHASE 2
EC STAGE 2 CROSS SECTION SHEET

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4/14/2022



FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	CCR	EC17

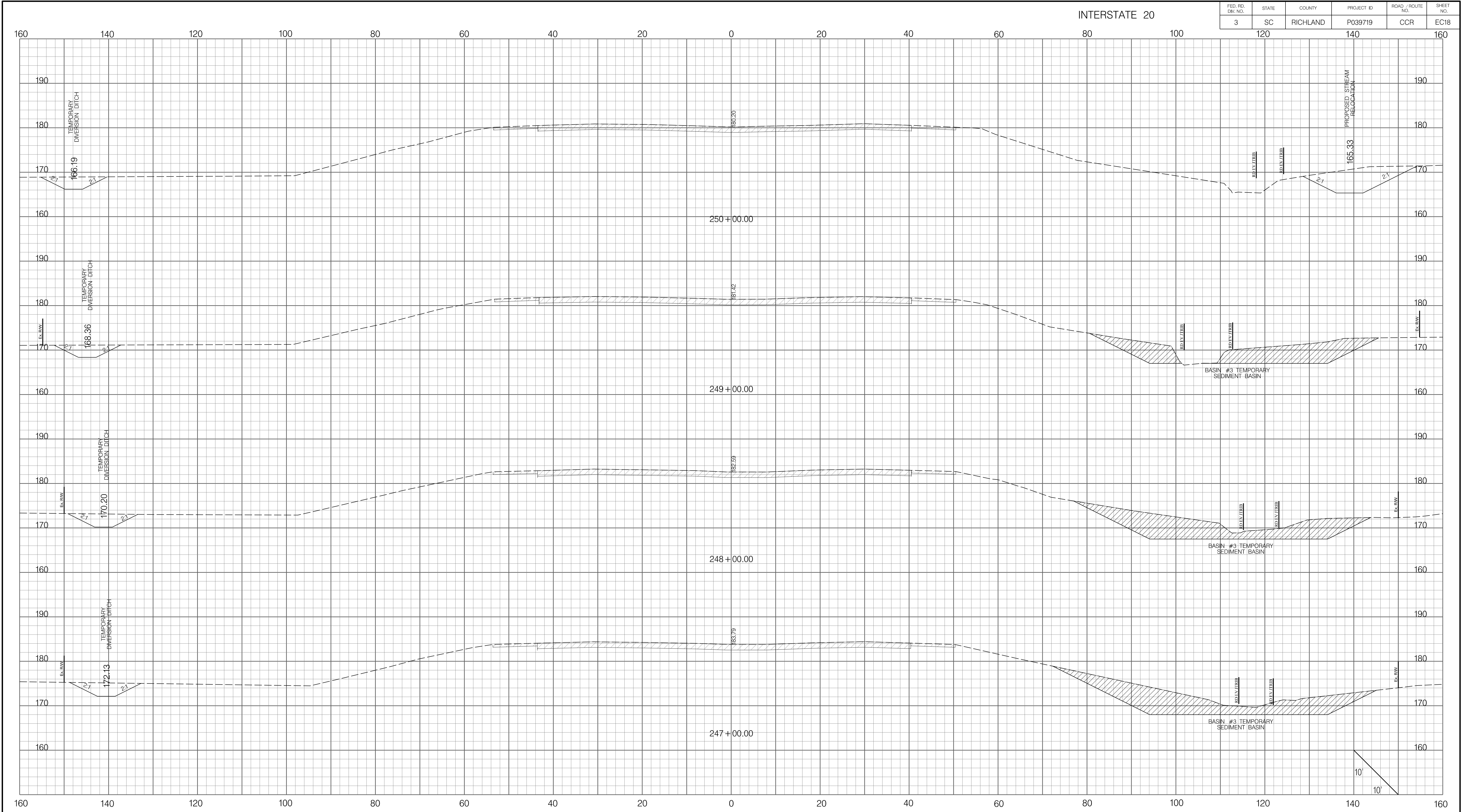


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REV. NO.	BY	DATE	DESCRIPTION OF REVISION

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
CAROLINA CROSSROADS PHASE 2
EC STAGE 2 CROSS SECTION SHEET

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4/14/2022



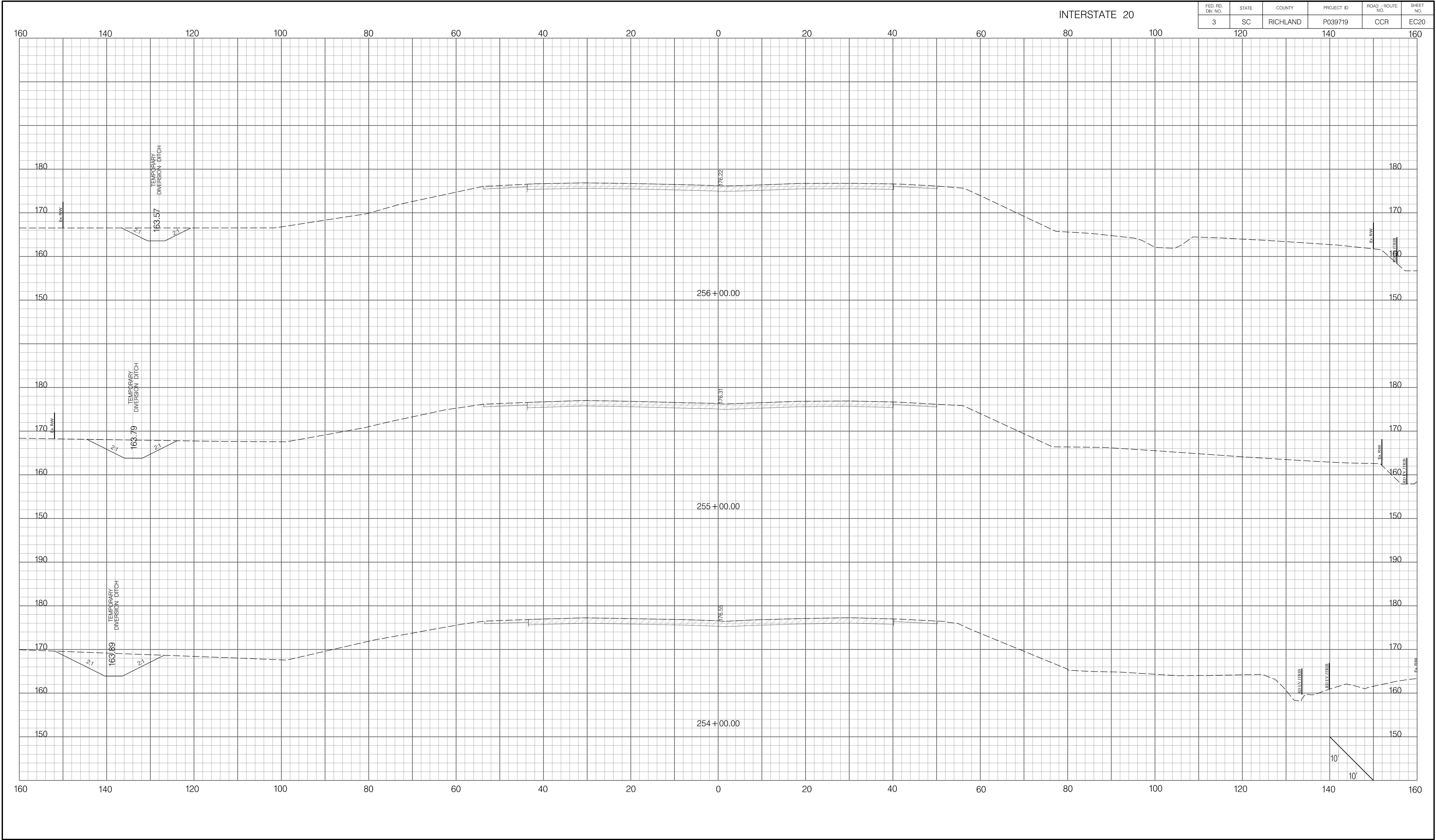
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
CAROLINA CROSSROADS PHASE 2
EC STAGE 2 CROSS SECTION SHEET



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4/14/2022



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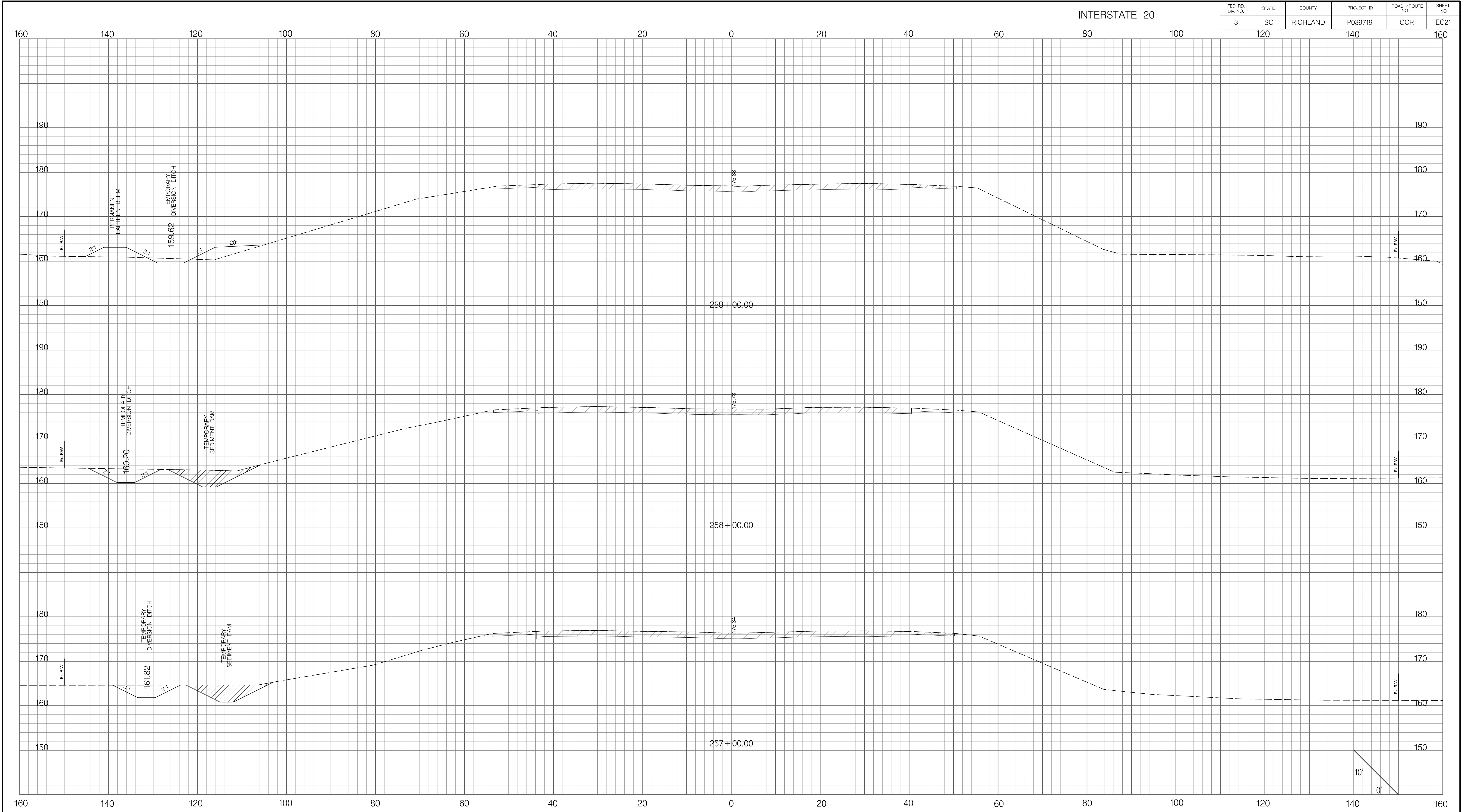


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REV. NO.	BY	DATE	DESCRIPTION OF REVISION

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
CAROLINA CROSSROADS PHASE 2
EC STAGE 2 CROSS SECTION SHEET

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4/14/2022



FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
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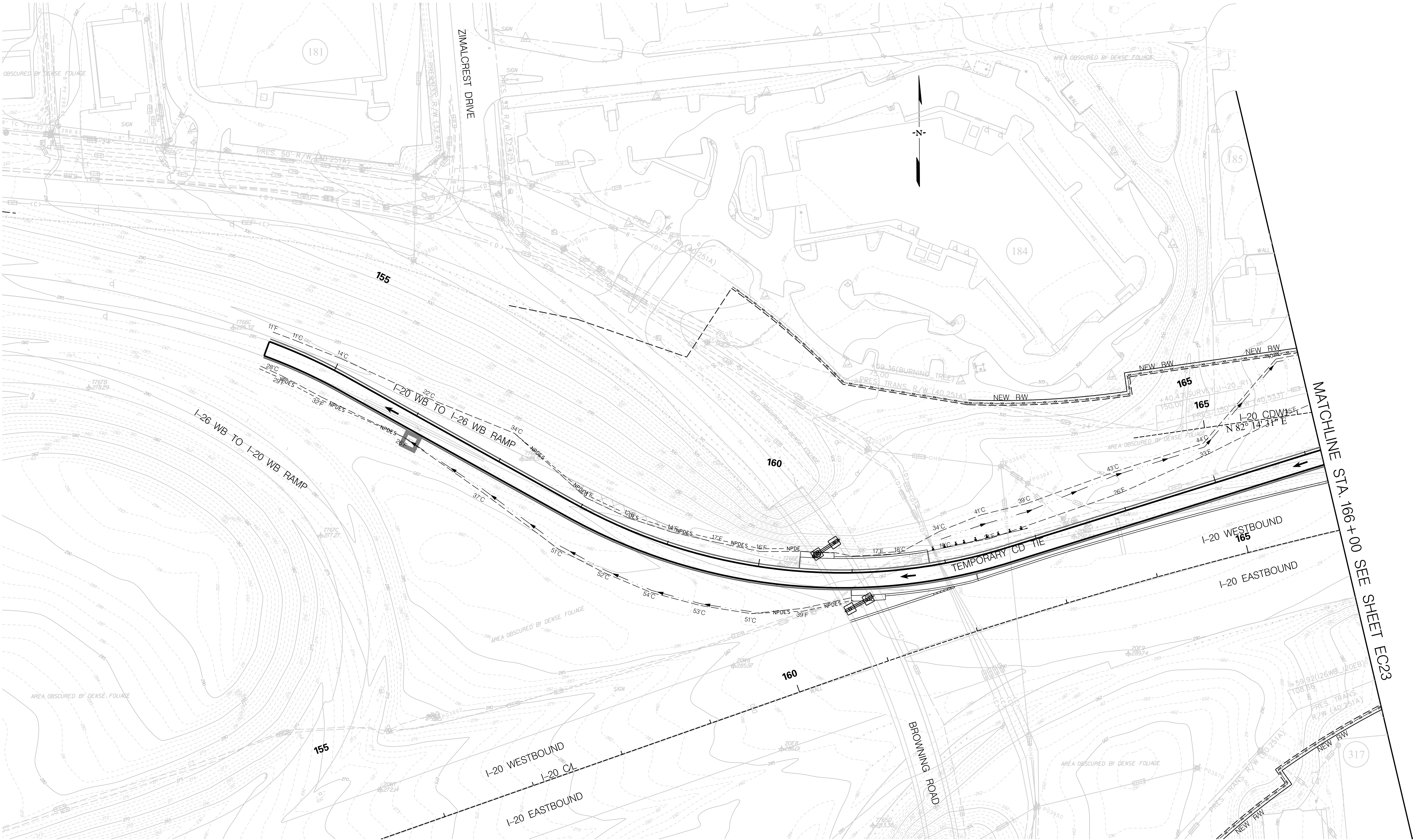


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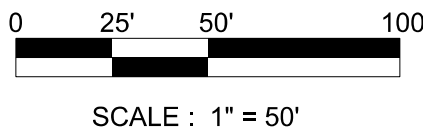
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
CAROLINA CROSSROADS PHASE 2
EC STAGE 2 CROSS SECTION SHEET

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	EC22



NOTE:
EXISTING SURVEY CONTOURS DISPLAYED.



ALIGNMENT CONTROL CAN BE FOUND ON
REFERENCE DATA SHEET



PRELIMINARY
NOT FOR CONSTRUCTION

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

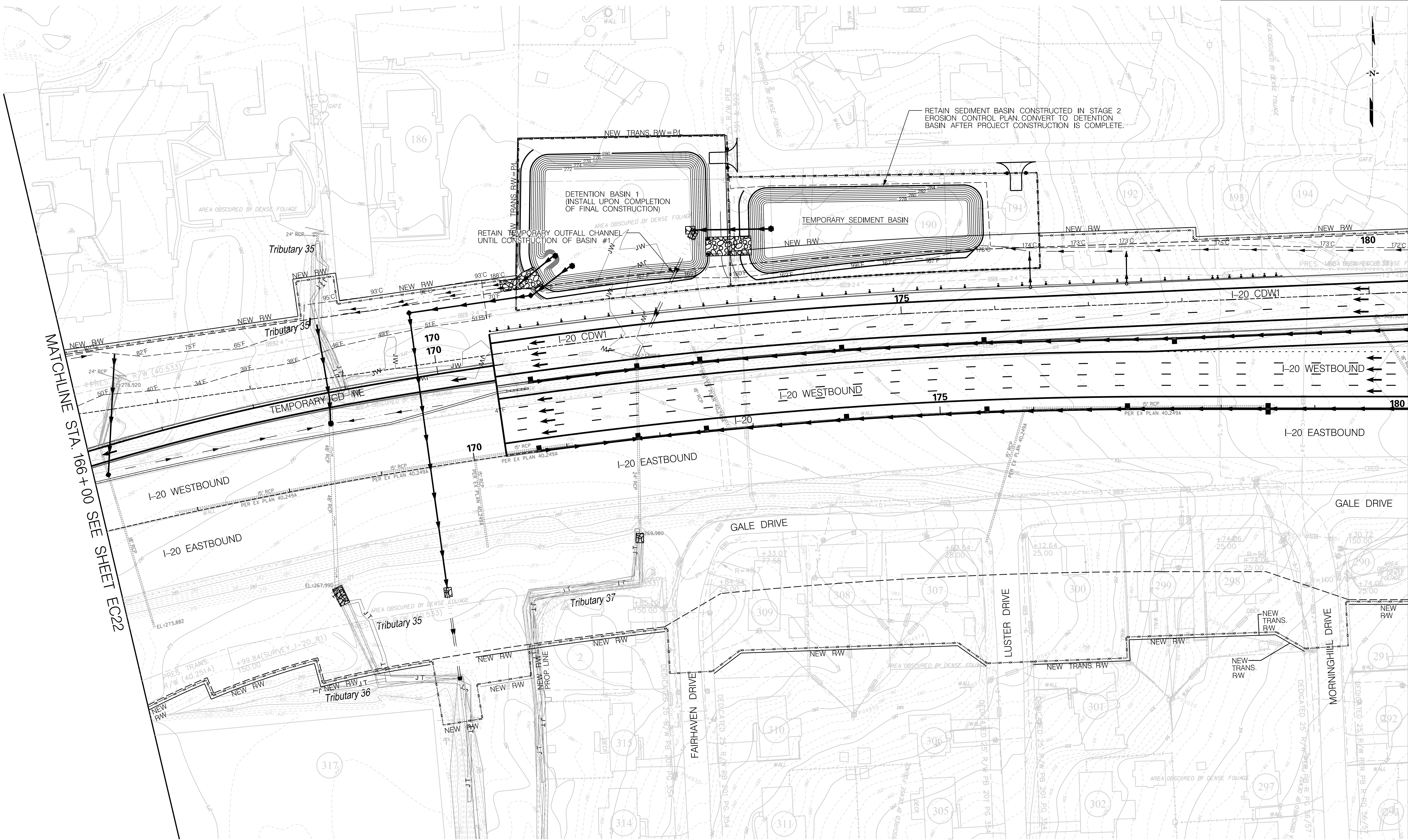
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

CAROLINA CROSSROADS PHASE 2

EROSION CONTROL PLAN SHEET
STAGE 3

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4/14/2022

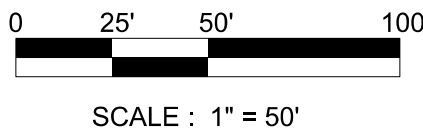
FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	EC23



MATCHLINE STA. 166 + 00 SEE SHEET EC22

MATCHLINE STA. 180 + 00 SEE SHEET EC24

NOTE:
EXISTING SURVEY CONTOURS DISPLAYED.



ALIGNMENT CONTROL CAN BE FOUND ON
REFERENCE DATA SHEET



PRELIMINARY
NOT FOR CONSTRUCTION

SCALE: 1" = 50'

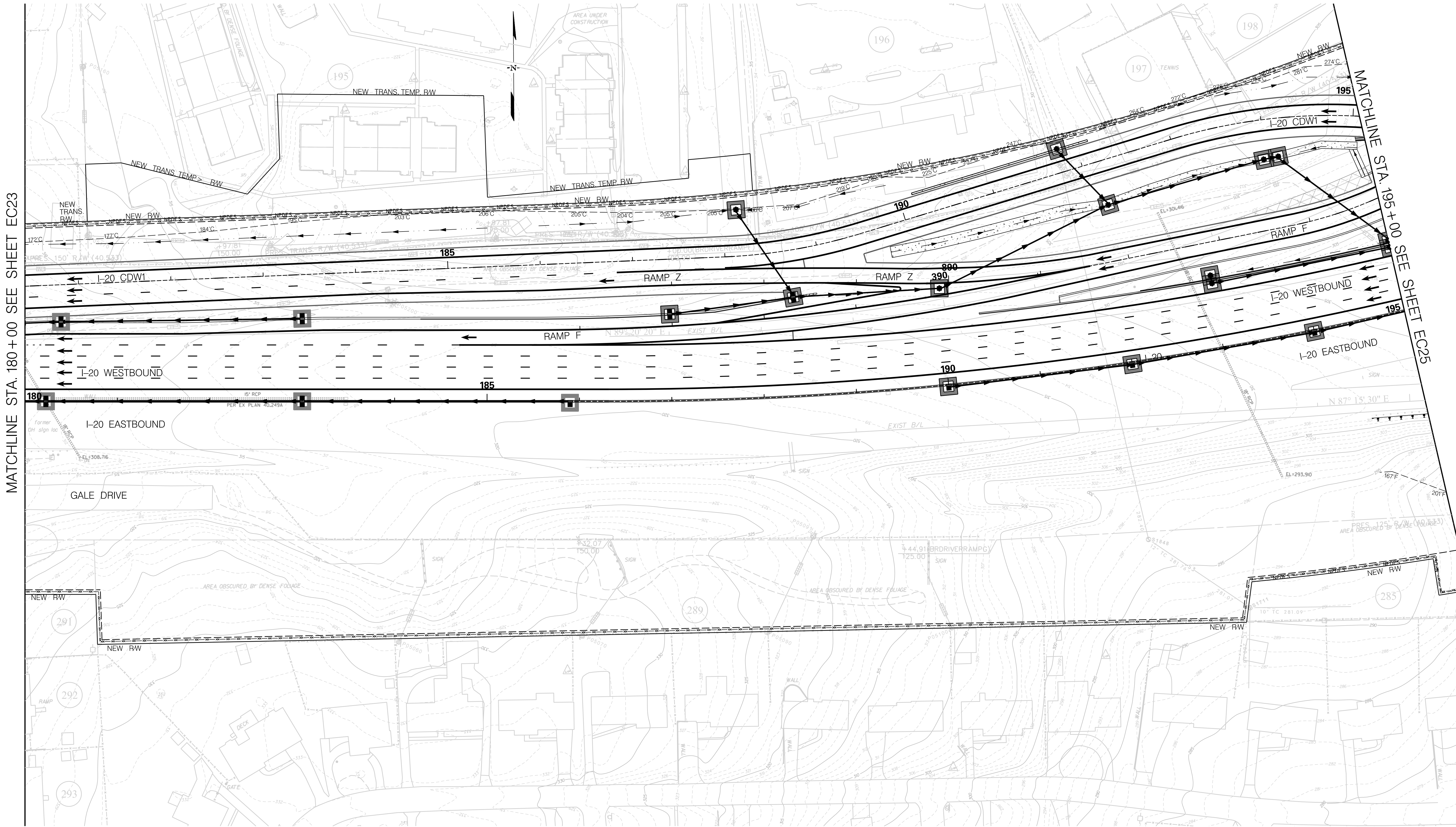
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

CAROLINA CROSSROADS PHASE 2

EROSION CONTROL PLAN SHEET
STAGE 3

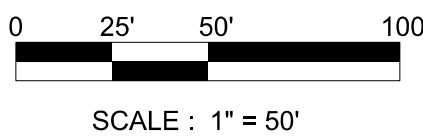
FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	EC24



MATCHLINE STA 180+00 SEE SHEET EC23

MATCHLINE STA 195+00 SEE SHEET EC25

NOTE:
EXISTING SURVEY CONTOURS DISPLAYED.



ALIGNMENT CONTROL CAN BE FOUND ON
REFERENCE DATA SHEET



PRELIMINARY
NOT FOR CONSTRUCTION

SCALE: 1" = 50'

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

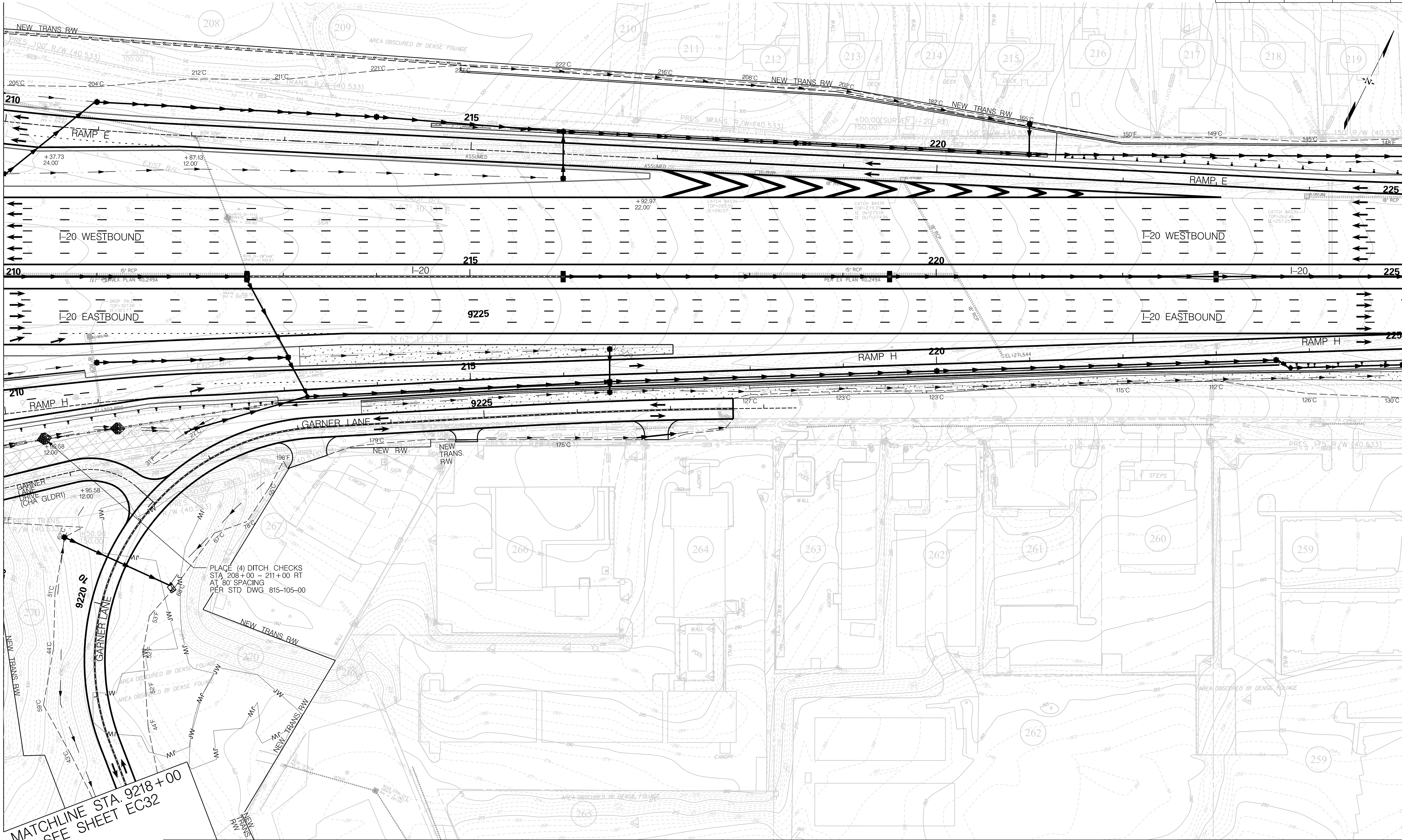
CAROLINA CROSSROADS PHASE 2

EROSION CONTROL PLAN SHEET
STAGE 3

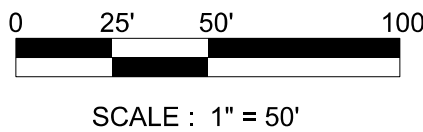
FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE	SHEET NO.
3	SC	RICHLAND	P039719	I-20	EC26

MATCHLINE STA. 210+00 SEE SHEET EC25

MATCHLINE STA. 225+00 SEE SHEET EC27



NOTE:
EXISTING SURVEY CONTOURS DISPLAYED.



ALIGNMENT CONTROL CAN BE FOUND ON
REFERENCE DATA SHEET



PRELIMINARY
NOT FOR CONSTRUCTION

SCALE: 1" = 50'

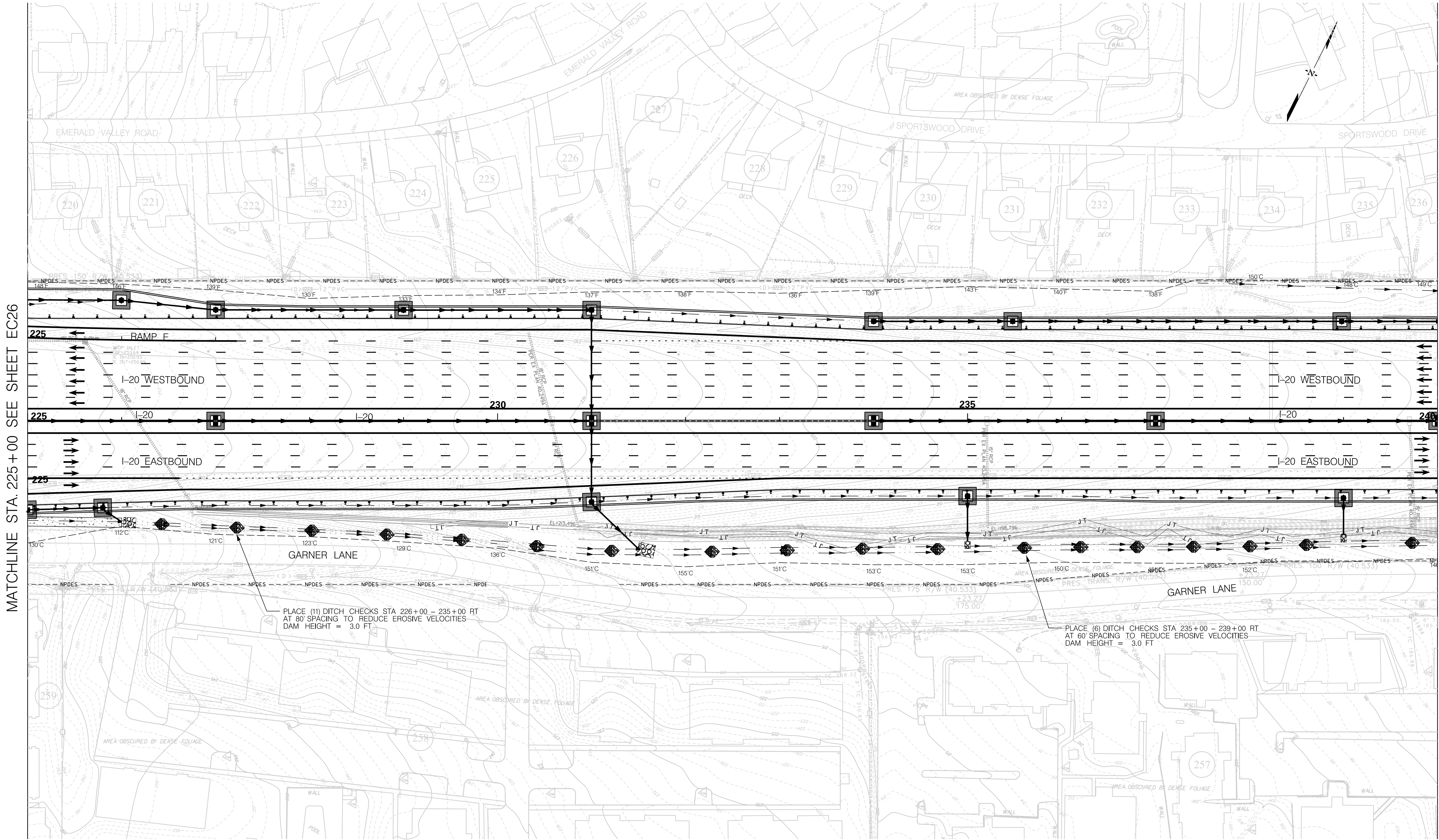
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SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

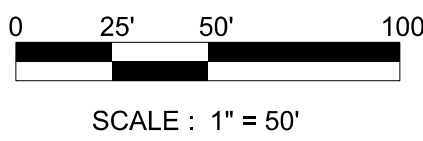
CAROLINA CROSSROADS PHASE 2

EROSION CONTROL PLAN SHEET
STAGE 3

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	EC27



NOTE:
EXISTING SURVEY CONTOURS DISPLAYED.



ALIGNMENT CONTROL CAN BE FOUND ON
REFERENCE DATA SHEET



PRELIMINARY
NOT FOR CONSTRUCTION

SCALE: 1" = 50'

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

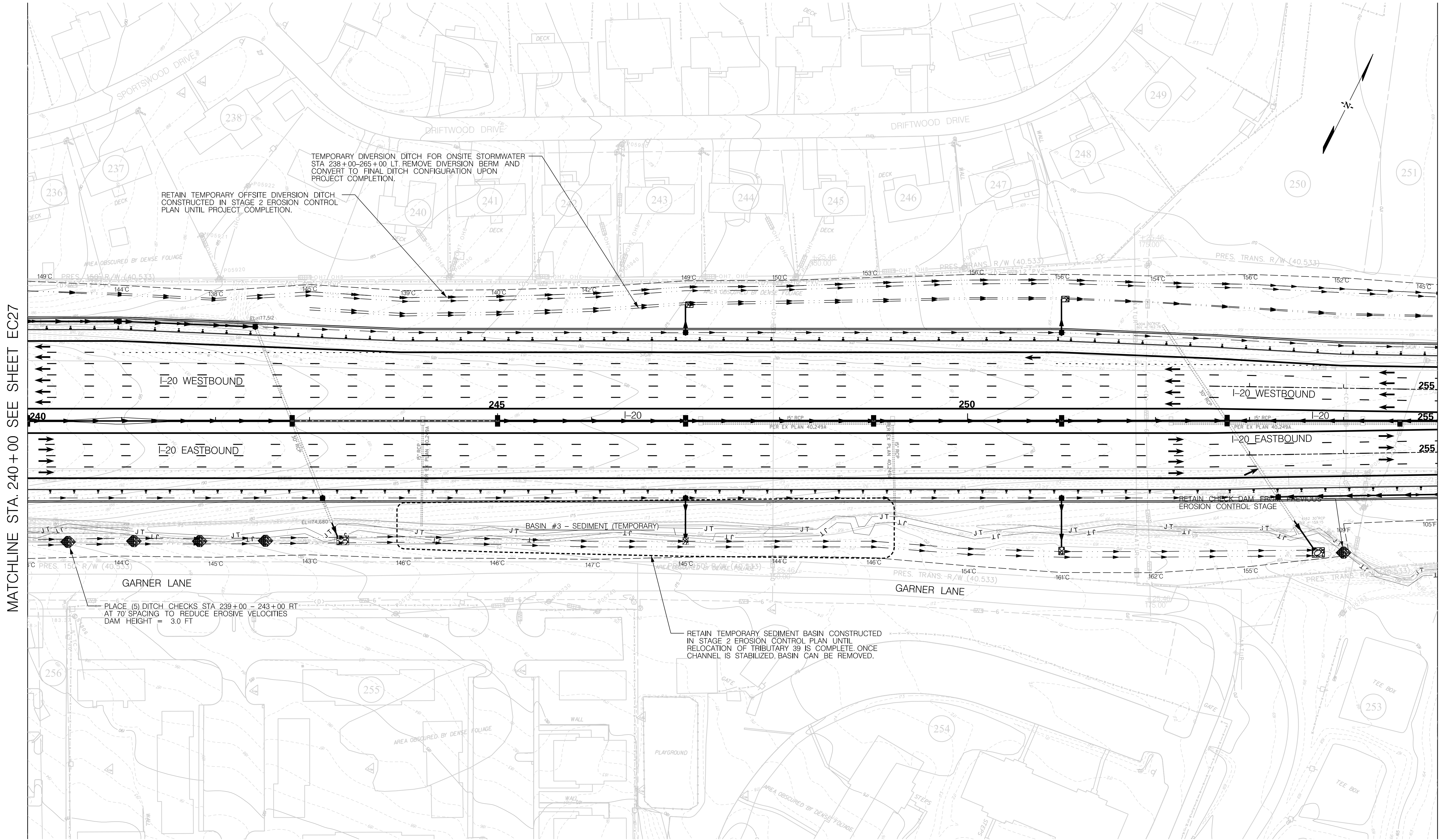
CAROLINA CROSSROADS PHASE 2

EROSION CONTROL PLAN SHEET
STAGE 3

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4/14/2022

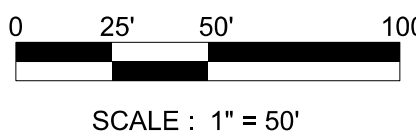
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3	SC	RICHLAND	P039719	I-20	EC28



MATCHLINE STA. 240+00 SEE SHEET EC27

MATCHLINE STA. 255+00 SEE SHEET EC29

NOTE:
EXISTING SURVEY CONTOURS DISPLAYED.



ALIGNMENT CONTROL CAN BE FOUND ON
REFERENCE DATA SHEET



PRELIMINARY
NOT FOR CONSTRUCTION

SCALE: 1" = 50'

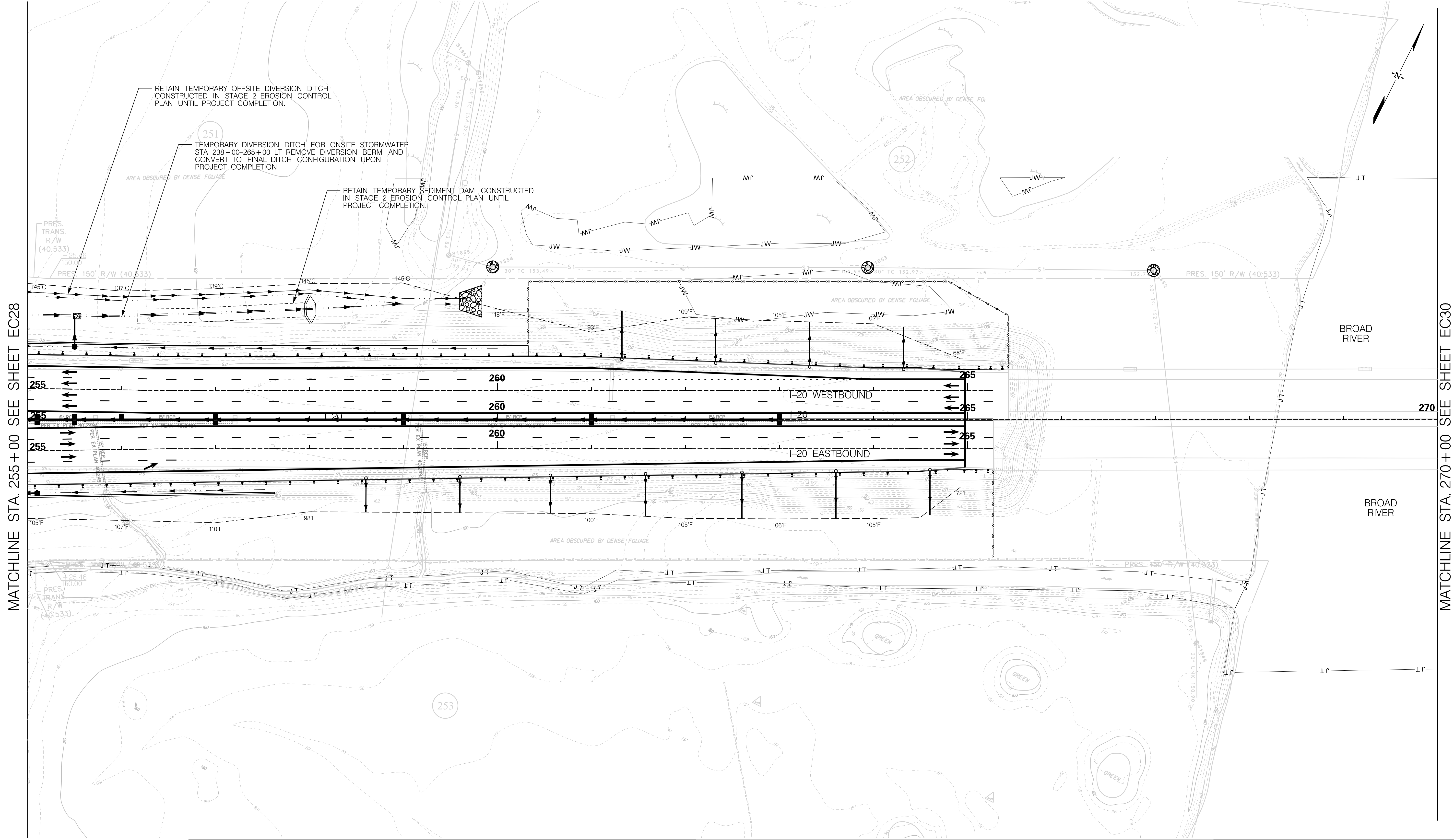
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

CAROLINA CROSSROADS PHASE 2

EROSION CONTROL PLAN SHEET
STAGE 3

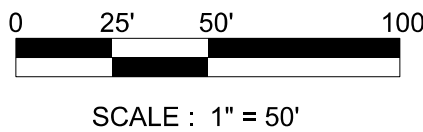
FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	EC29



MATCHLINE STA. 255+00 SEE SHEET EC28

MATCHLINE STA. 270+00 SEE SHEET EC30

NOTE:
EXISTING SURVEY CONTOURS DISPLAYED.



ALIGNMENT CONTROL CAN BE FOUND ON
REFERENCE DATA SHEET



PRELIMINARY
NOT FOR CONSTRUCTION

SCALE: 1" = 50'

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

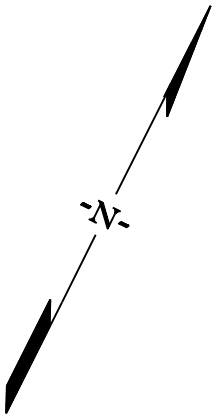
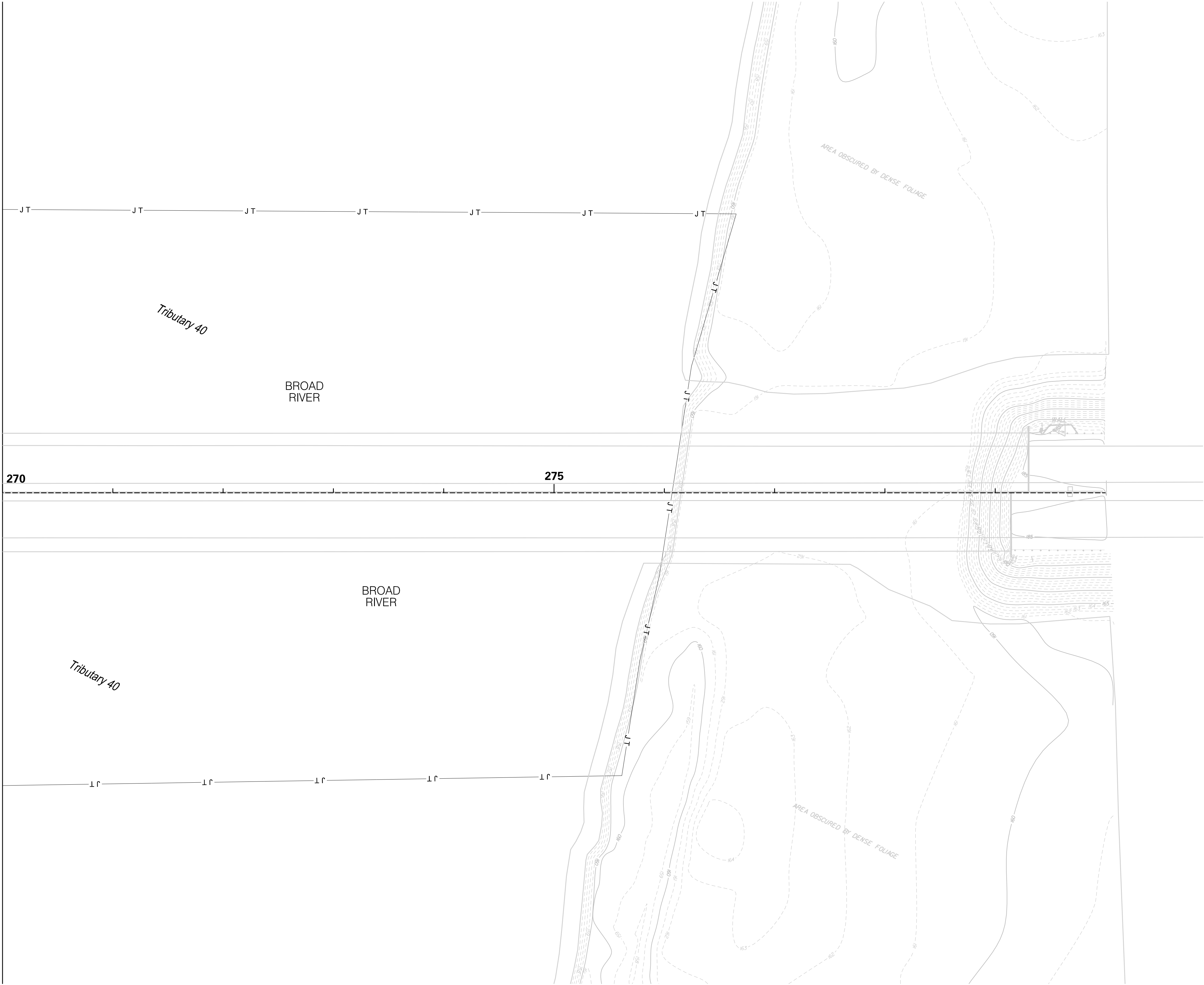
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

CAROLINA CROSSROADS PHASE 2

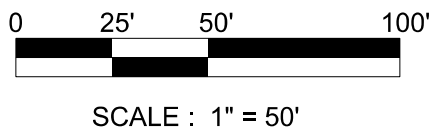
EROSION CONTROL PLAN SHEET
STAGE 3

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
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MATCHLINE STA. 270+00 SEE SHEET EC29



NOTE:
EXISTING SURVEY CONTOURS DISPLAYED.



ALIGNMENT CONTROL CAN BE FOUND ON
REFERENCE DATA SHEET



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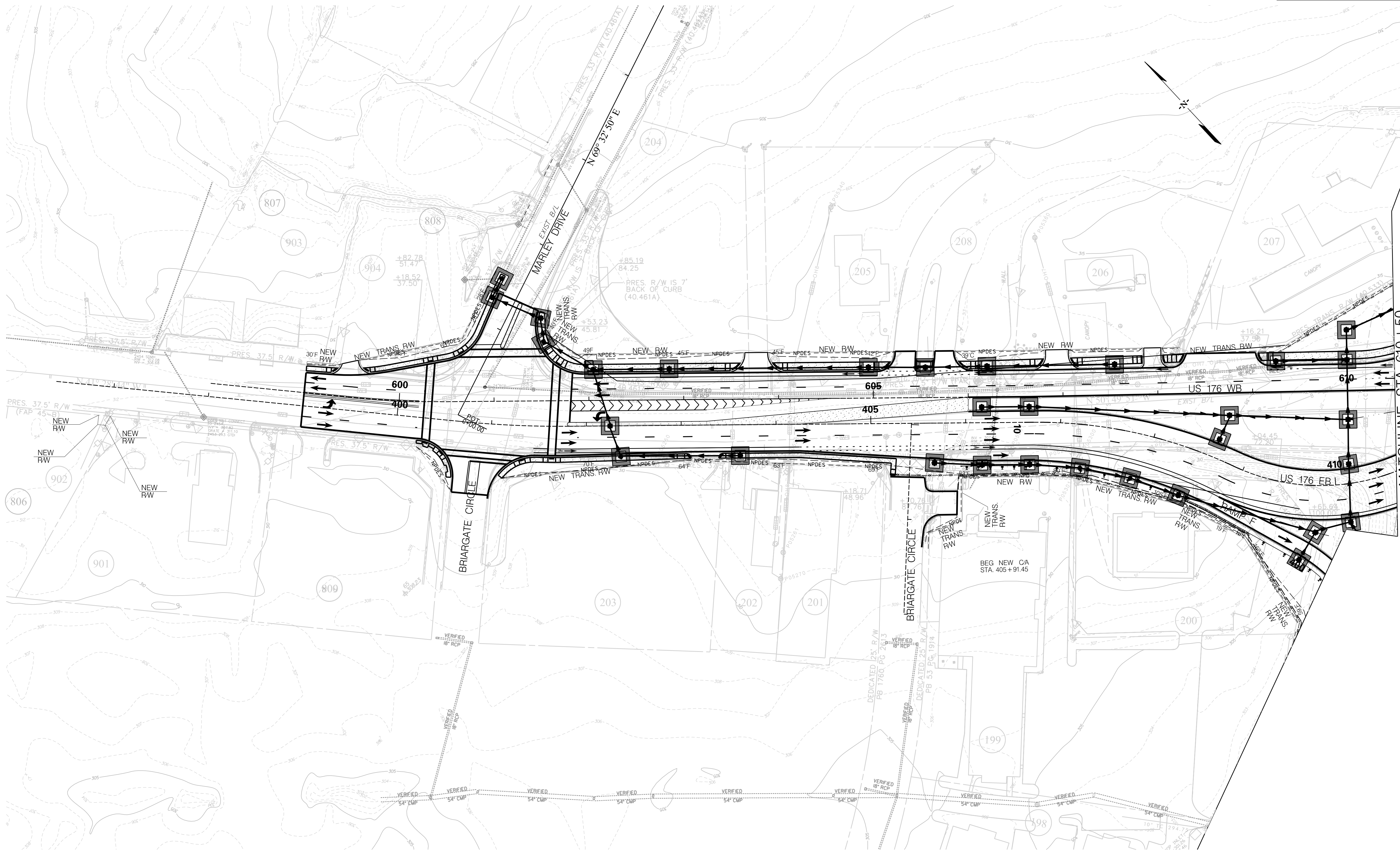
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SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

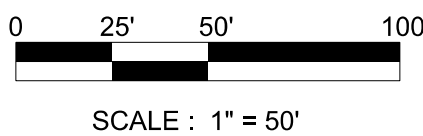
CAROLINA CROSSROADS PHASE 2

EROSION CONTROL PLAN SHEET
STAGE 3

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	RICHLAND	P039719	I-20	EC31



NOTE:
EXISTING SURVEY CONTOURS DISPLAYED.



ALIGNMENT CONTROL CAN BE FOUND ON
REFERENCE DATA SHEET



PRELIMINARY
NOT FOR CONSTRUCTION

SCALE: 1" = 50'

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

CAROLINA CROSSROADS PHASE 2

EROSION CONTROL PLAN SHEET
STAGE 3

