



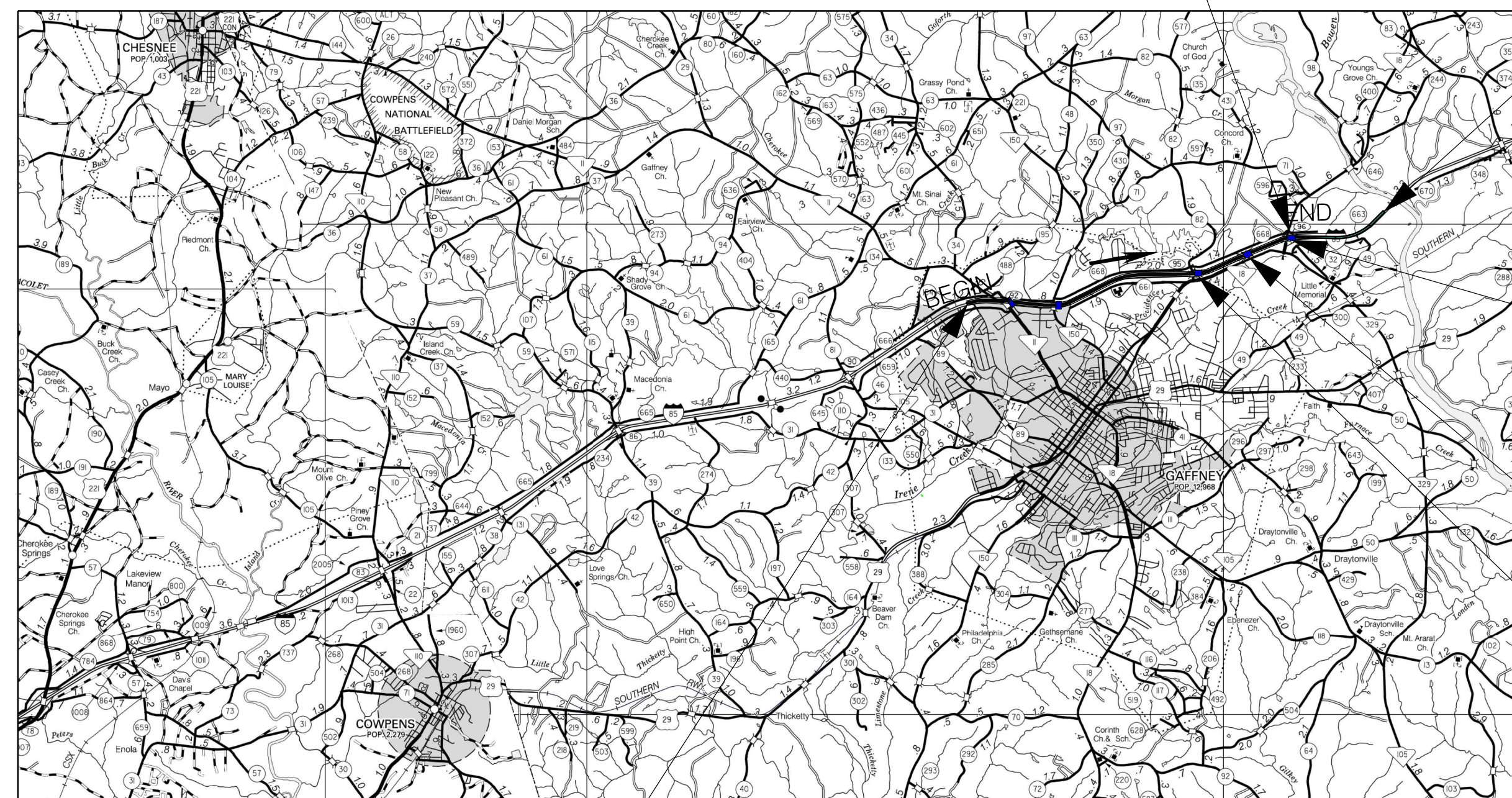
South Carolina Department of Transportation



PROPOSED PLANS FOR SPARTANBURG/CHEROKEE COUNTIES PROJECT ID P027114 INTERSTATE 85 SECTION 4 WIDENING IMPROVEMENTS

APPROXIMATELY MILE MARKER 91.9 TO MILE MARKER 98.2

CONSTRUCT 210' PRESTRESSED CONCRETE BRIDGE ON S-668 (WILCOX AVE.
1755) STA. 1735+73.00 TO STA. 1737+83.00 AT EXIT 95 (SEE BRIDGE PLANS)



SURVEY STATION 1485+00.00 BEGIN
SECTION 4 PROJECT ID P027114 I-85

LAYOUT
NOT TO SCALE

CHEROKEE COUNTY

PROPOSED PROJECT —

I-85 RAMPS SIDE ROADS & FRONTAGE ROADS TOTAL

NET LENGTH OF ROADWAY	6.649	2.510	8.065	17.224	MILES
NET LENGTH OF BRIDGES	0	0	0.110	0.110	MILES
NET LENGTH OF PROJECT	6.649	2.510	8.175	17.334	MILES
LENGTH OF EXCEPTIONS	0.028	0	0	0.028	MILES
GROSS LENGTH OF PROJECT	6.621	2.510	8.175	17.306	MILES

EQUALITIES IN STATIONING
NONE

NOTE: EXCEPT AS MAY OTHERWISE BE 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 RFC.

NPDES PERMIT INFORMATION	
DISTURBED AREA =	257.0 ACRES
PROJECT AREA =	260.0 ACRES
APPROXIMATE LOCATION OF ROADWAY IS	
BEGIN	
LATITUDE	35° 05' 45.3" N
LONGITUDE	81° 40' 54.8" W
END	
LATITUDE	35° 07' 02.0" N
LONGITUDE	81° 34' 38.2" W
Hydraulic and NPDES Design provided by:	
PARRISH AND PARTNERS, LLC	
Designs may be obtained from the SCDOT Regional Production Group	

SURVEY STATION 1817+48.07 END
SECTION 4 PROJECT ID P027114 I-85

CONSTRUCT 173' PRESTRESSED CONCRETE BRIDGE
ON SC-18 (SHELBY HIGHWAY) STA. 199+08.06 TO
STA. 200+81.06 AT EXIT 96 (SEE BRIDGE PLANS)

EXCEPTION TO PROJECT (143.6')
EXISTING BRIDGE STA. 1699+31.25
TO STA. 1700+74.85

CONSTRUCT 183' PRESTRESSED CONCRETE BRIDGE
ON S-82 (PLEASANT SCHOOL RD.) STA. 199+10.00
TO STA. 200+93.00 AT EXIT 95 (SEE BRIDGE PLANS)

INDEX OF SHEETS
SEE II.1 SHEET FOR INDEX

BRIDGE PLANS BOUND
UNDER A SEPARATE COVER

Design Reference for these plans is the:

2001

AASHTO "A Policy on Geometric Design of
Highways and Streets"

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"/> N/A

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

48,600 ADT 2013

72,600 ADT 2040

TRUCKS 25 %



CONSULTING ENGINEERING FIRM



For Right Of Way Acquisition:

Date
Consultant Engineer of Record

Date
Regional Production Engineer

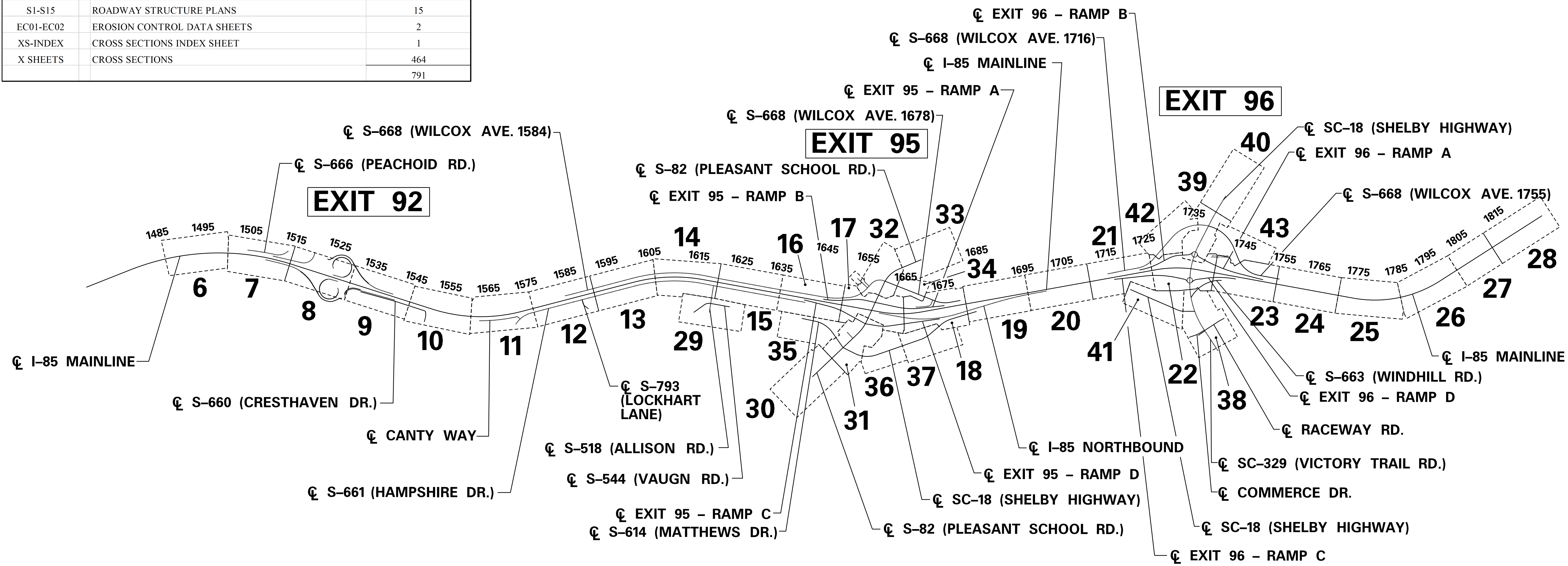
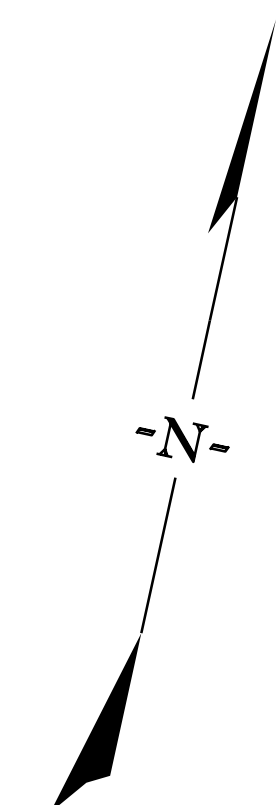
ENGINEER OF RECORD

**PRELIMINARY
NOT FOR CONSTRUCTION**

FOR CONSTRUCTION: _____
DATE

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	SPARTANBURG CHEROKEE	P027114	INTERSTATE 85	IL1

INDEX OF SHEETS		
SHEET NO.	DESCRIPTION	SHEET SUBTOTALS
1	TITLE SHEET	1
IL1	INDEX/LAYOUT SHEET	1
2	SUMMARY OF ESTIMATED QUANTITIES	OMITTED
2A	MOVING ITEMS	OMITTED
3-3H	TYPICAL SECTION	9
4-4D	R/W DATA SHEET	5
4E-4J	PROPERTY STRIP MAP	6
5	GENERAL CONSTRUCTION NOTE	OMITTED
5A-5X	REFERENCE SHEET	24
6-43	SECTION 4 PLAN SHEETS	38
6A-28A	SECTION 4 MAINLINE PROFILE SHEETS	23
44-72	SECTION 4 SIDE ROAD PROFILE SHEETS	29
73-77	SECTION 4 CURB PROFILES	5
D6-D43	S4 DRAINAGE AND EROSION CONTROL PLAN SHEETS	37
D6A-D43A	PIPE TABLE SHEETS	29
PM1-PM38	PAVEMENT MARKING PLANS	38
SN1-SN60	SIGNING PLANS	60
TS1-TS4	TRAFFIC SIGNAL PLANS	4
S1-S15	ROADWAY STRUCTURE PLANS	15
EC01-EC02	EROSION CONTROL DATA SHEETS	2
XS-INDEX	CROSS SECTIONS INDEX SHEET	1
X SHEETS	CROSS SECTIONS	464
		791



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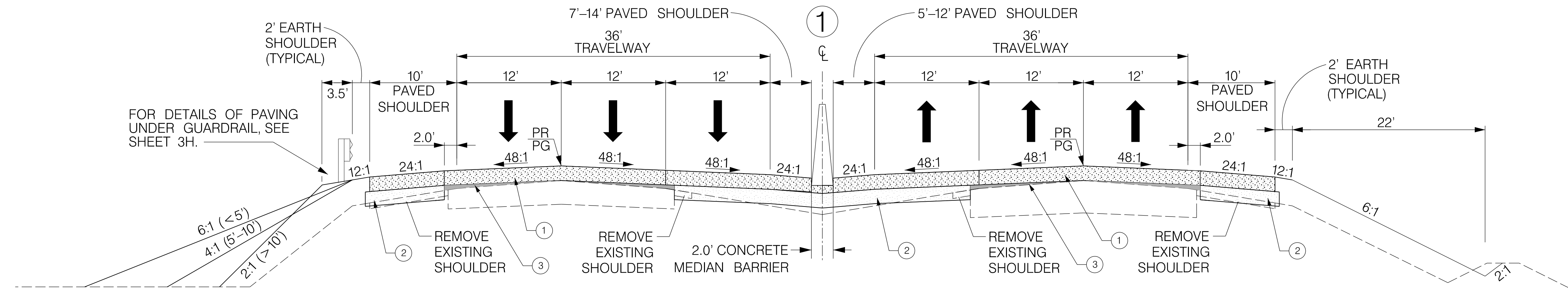
PRELIMINARY NOT FOR CONSTRUCTION	7				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85
	6				
	5				
	4				
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	2				ROAD NAMES INDEX LAYOUT SHEET
	1				INTERSTATE 85 MILE MARKER 90-97 SECTION 4
	SCALE: 1" = 1250'	REV. NO.	BY	DATE	DESCRIPTION OF REVISION

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	CHEROKEE SPARTANBURG	P027114	INTERSTATE 85	3

Ø ADD 3.5' WHERE GUARDRAIL IS USED

⊗ THIS SLOPE MAY BE VARIED WHEN A DEEPER DITCH IS NECESSARY FOR DRAINAGE PURPOSES, USING A MINIMUM SLOPE OF 12:1 AND A MAXIMUM SLOPE OF 4:1. WHERE A DEEPER DITCH THAN PROVIDED BY A 4:1 IS NECESSARY, THE DITCH SHALL BE PLACED FARTHER FROM THE CL CONTINUING THE 4:1 SLOPE TO PROVIDE FOR THE NECESSARY DEPTH. SEE CROSS SECTIONS FOR THE SPECIAL DITCH GRADES.



I-85 MAINLINE

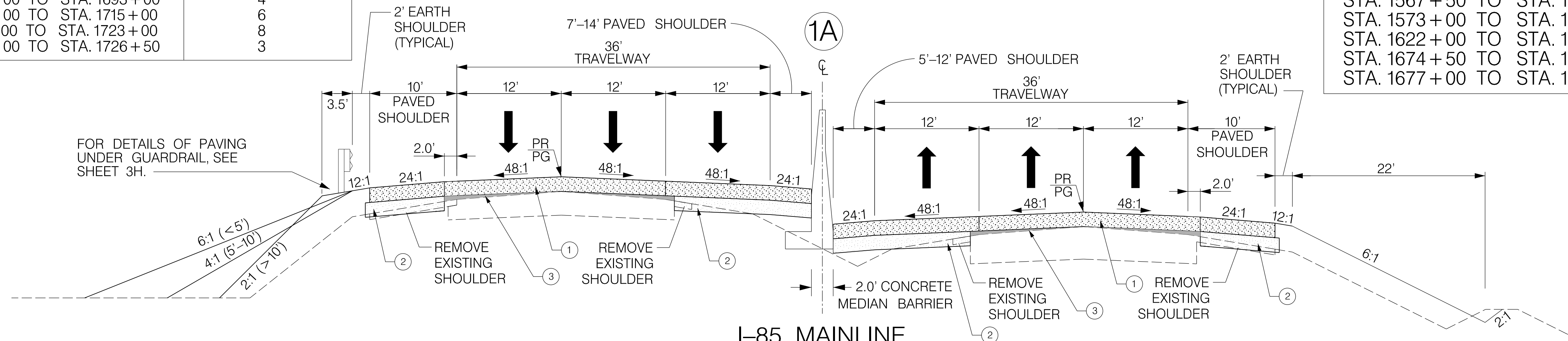
USE THIS SECTION

STA. 1485+00 TO STA. 1487+00
STA. 1507+00 TO STA. 1523+50
STA. 1528+00 TO STA. 1570+50
STA. 1572+00 TO STA. 1663+38
STA. 1690+46 TO STA. 1708+00
STA. 1726+50 TO STA. 1731+00
STA. 1735+50 TO STA. 1772+00
STA. 1775+50 TO STA. 1778+50
STA. 1782+00 TO STA. 1792+00
STA. 1797+00 TO STA. 1817+48.07

EXISTING I-85 MAINLINE BRIDGE FROM STA. 1699+31.25 TO STA. 1700+74.85 (SEE BRIDGE PLANS FOR NECESSARY BRIDGE REHABILITATION WORK).

USE TYPICAL SECTION ON OUTSIDE LEFT		TYPICAL NUMBER
STATION RANGE		
STA. 1495+50 TO STA. 1500+00		8
STA. 1500+00 TO STA. 1513+00		4
STA. 1585+00 TO STA. 1596+00		8
STA. 1596+00 TO STA. 1611+00		4
STA. 1611+00 TO STA. 1618+00		6
STA. 1618+00 TO STA. 1645+00		4
STA. 1645+00 TO STA. 1649+00		8
STA. 1675+00 TO STA. 1682+00		6
STA. 1682+00 TO STA. 1690+00		8
STA. 1690+00 TO STA. 1693+00		4
STA. 1693+00 TO STA. 1715+00		6
STA. 1716+00 TO STA. 1723+00		8
STA. 1724+00 TO STA. 1726+50		3

USE TYPICAL SECTION ON OUTSIDE RIGHT		TYPICAL NUMBER
STATION RANGE		
STA. 1534+00 TO STA. 1540+00		3
STA. 1540+00 TO STA. 1549+00		4
STA. 1562+00 TO STA. 1567+50		6
STA. 1567+50 TO STA. 1571+00		4
STA. 1573+00 TO STA. 1622+00		4
STA. 1622+00 TO STA. 1641+00		6
STA. 1674+50 TO STA. 1677+00		3
STA. 1677+00 TO STA. 1685+00		4



I-85 MAINLINE

USE THIS SECTION

STA. 1487+00 TO STA. 1507+00
STA. 1523+50 TO STA. 1528+00
STA. 1570+50 TO STA. 1572+00
STA. 1708+00 TO STA. 1726+50
STA. 1731+00 TO STA. 1735+50
STA. 1772+00 TO STA. 1775+50
STA. 1778+50 TO STA. 1782+00
STA. 1792+00 TO STA. 1797+00

MAINLINE TYPICAL SECTION FROM STATION 1663+38 TO STATION 1690+46 ARE COVERED BY TYPICAL SECTION NUMBER 2. SEE SHEET 3A.

NOTE: TYPICAL SECTION NO.1 CAN SUPPORT BIFURCATIONS BETWEEN NORTHBOUND AND SOUTHBOUND LANES OF UP TO 18" BETWEEN GUTTER ELEVATIONS AT THE MEDIAN BARRIER. IF MORE THAN 18" IN ELEVATION EXISTS, TYPICAL SECTION NO.1A SHALL BE USED.

FUNCTIONAL CLASSIFICATION: FREEWAY

- ① PORTLAND CEMENT CONCRETE PAVEMENT 13" UNIFORM
- ② HOT MIX ASPHALT BASE COURSE TYPE A (450 PSY)
- ③ HOT MIX ASPHALT SURFACE COURSE FOR WEDGING OR BUILD-UP. USE TYPE E FOR BUILD-UP LESS THAN 2". USE TYPE B FOR GREATER THAN 2".

RTE.		DESIGN SPEED	
MPH	FROM STA.	TO STA.	
SEE SHEET 3H			
EXCEPTIONS TO DESIGN SPEED			

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

TYPICAL SECTION SHEET

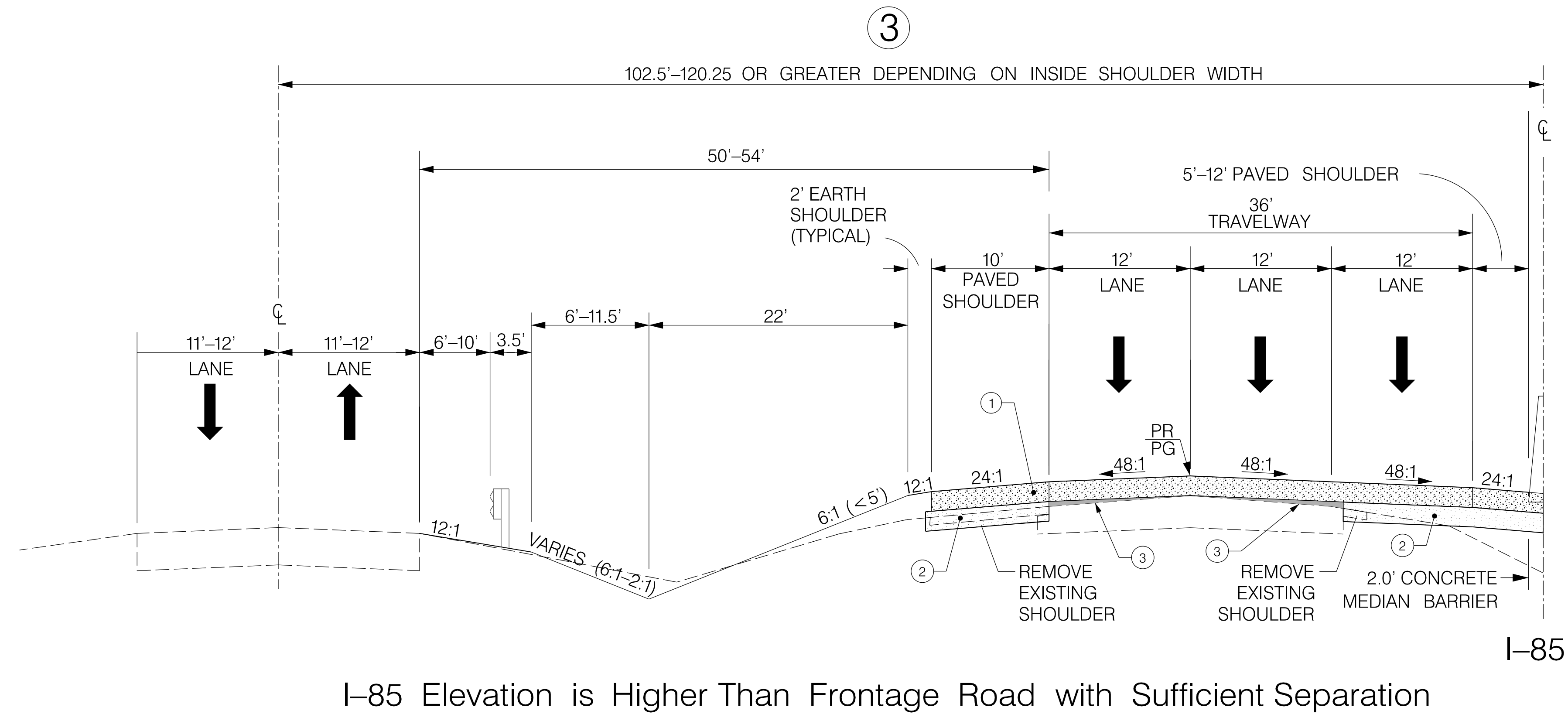
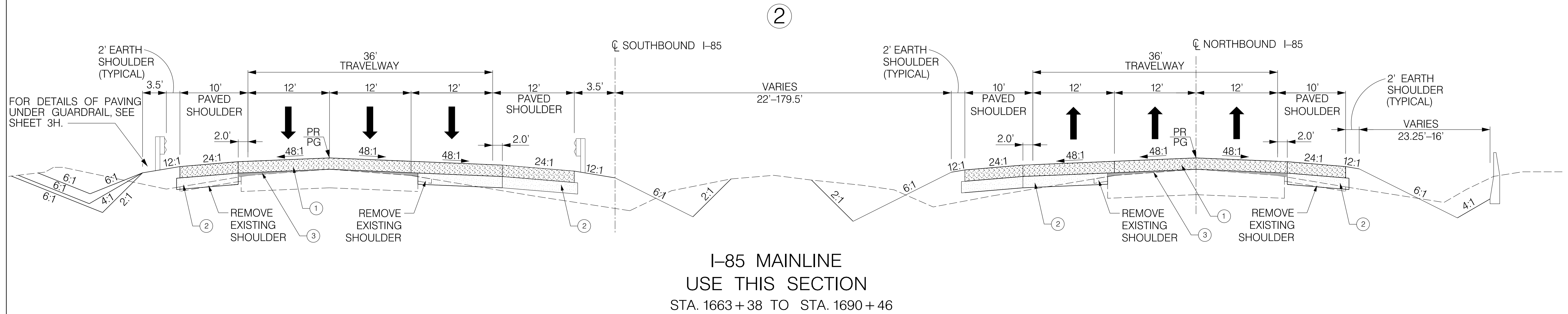
INTERSTATE 85 MILE MARKER 90-97
SECTION 4

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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	CHEROKEE SPARTANBURG	P027114	INTERSTATE 85	3A

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



FUNCTIONAL CLASSIFICATION: FREEWAY

- ① PORTLAND CEMENT CONCRETE PAVEMENT 13" UNIFORM
- ② HOT MIX ASPHALT BASE COURSE TYPE A (450 PSY)
- ③ HOT MIX ASPHALT SURFACE COURSE FOR WEDGING OR BUILD-UP. USE TYPE E FOR BUILD-UP LESS THAN 2". USE TYPE B FOR GREATER THAN 2".

RTE.	DESIGN SPEED	
	MPH	FROM STA. TO STA.
	SEE SHEET 3H	
EXCEPTIONS TO DESIGN SPEED		

**PRELIMINARY
NOT FOR CONSTRUCTION**

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
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SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

TYPICAL SECTION SHEET

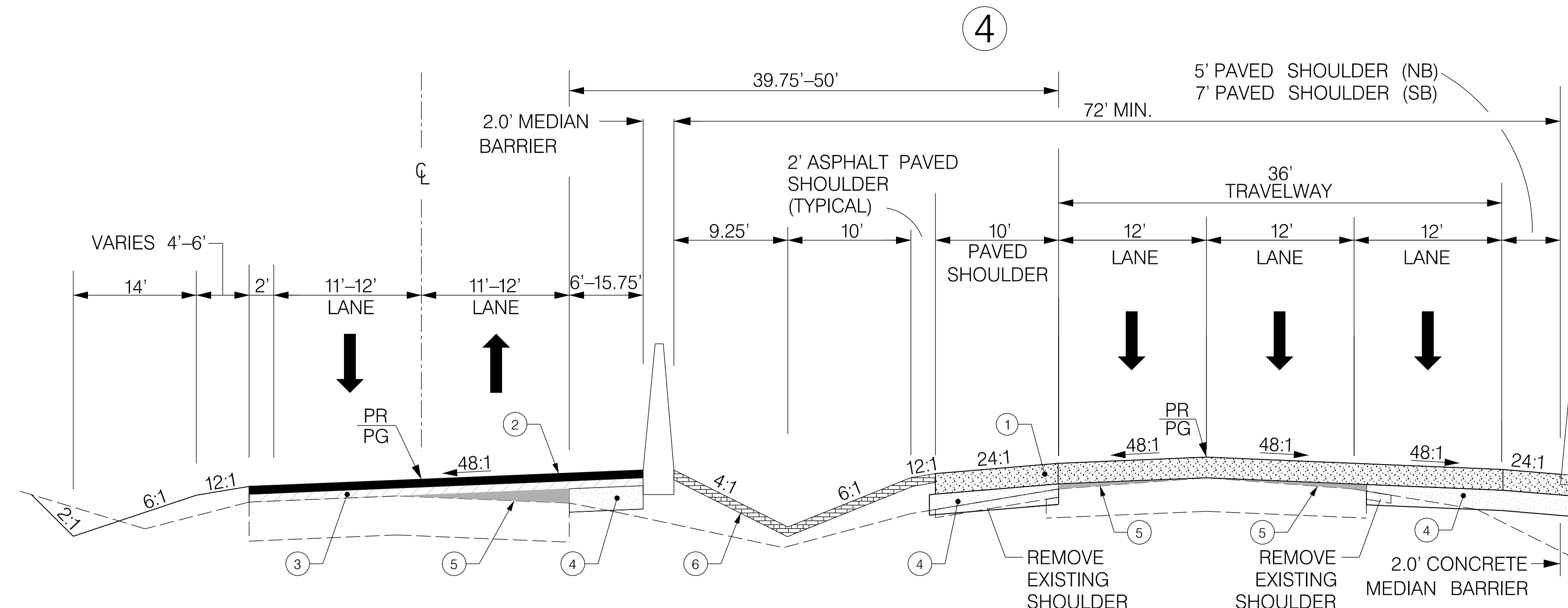
INTERSTATE 85 MILE MARKER 90-97
SECTION 4

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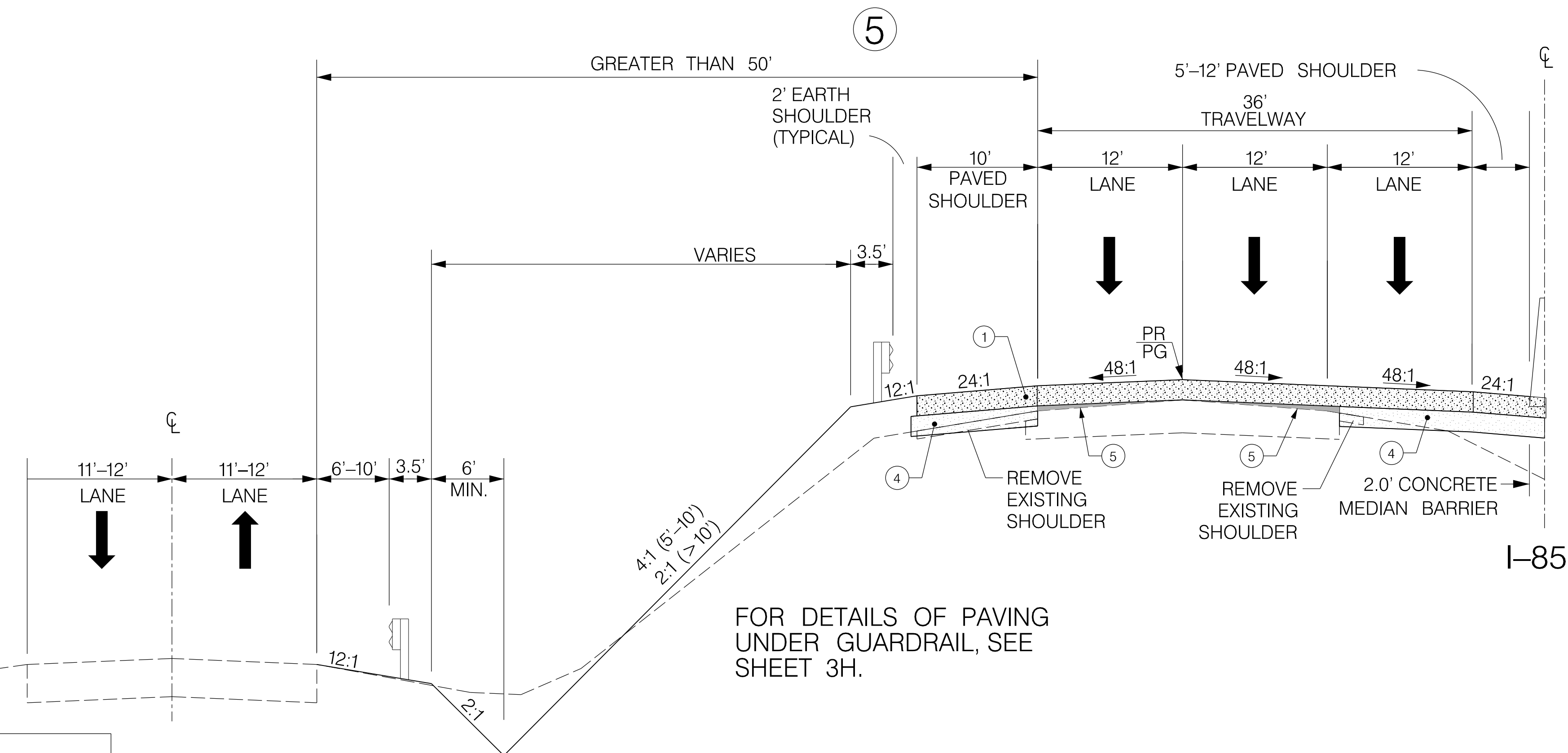
TYPICAL SECTION OF IMPROVEMENT SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION COLUMBIA, S.C.

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	CHEROKEE SPARTANBURG	P027114	INTERSTATE 85	3B

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



I-85 Elevation is Approximately Same Elevation as Frontage Road with Insufficient Separation



I-85 Elevation is Higher Than Frontage Road with Sufficient Separation

FUNCTIONAL CLASSIFICATION: FREEWAY

- ① PORTLAND CEMENT CONCRETE PAVEMENT 13" UNIFORM
- ② HOT MIX ASPHALT SURFACE COURSE
- ③ HOT MIX ASPHALT INTERMEDIATE COURSE
- ④ HOT MIX ASPHALT BASE COURSE TYPE A (450 PSY)
- ⑤ HOT MIX ASPHALT SURFACE COURSE FOR WEDGING OR BUILD-UP. USE TYPE E FOR BUILD-UP LESS THAN 2". USE TYPE B FOR GREATER THAN 2".
- ⑥ DENSE GRADED HMA (8 INCHES) INCLUDING HMA SURFACE TYPE C (200 PSY) AS WEARING COURSE

RTE.		DESIGN SPEED	
MPH	FROM STA.	TO STA.	
SEE SHEET 3H			
EXCEPTIONS TO DESIGN SPEED			

PRELIMINARY
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SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

TYPICAL SECTION SHEET

INTERSTATE 85 MILE MARKER 90-97
SECTION 4

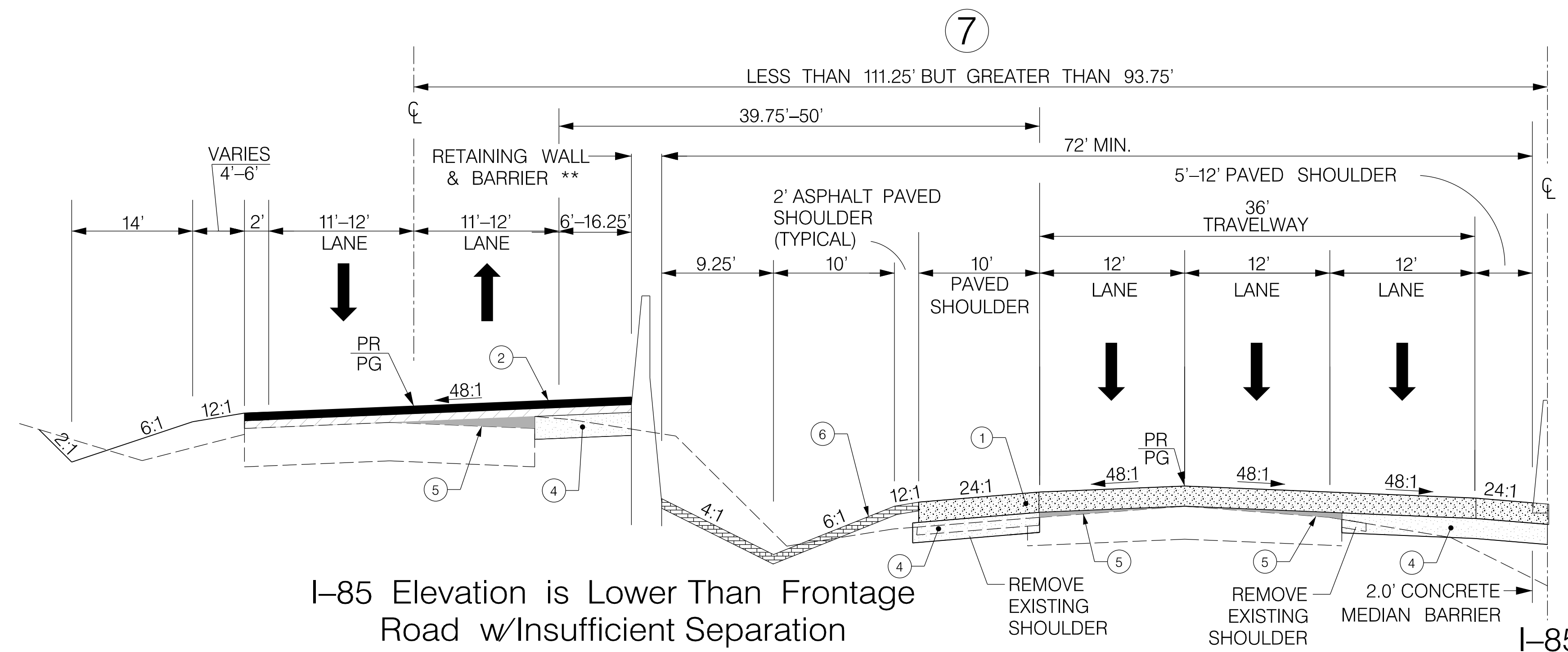
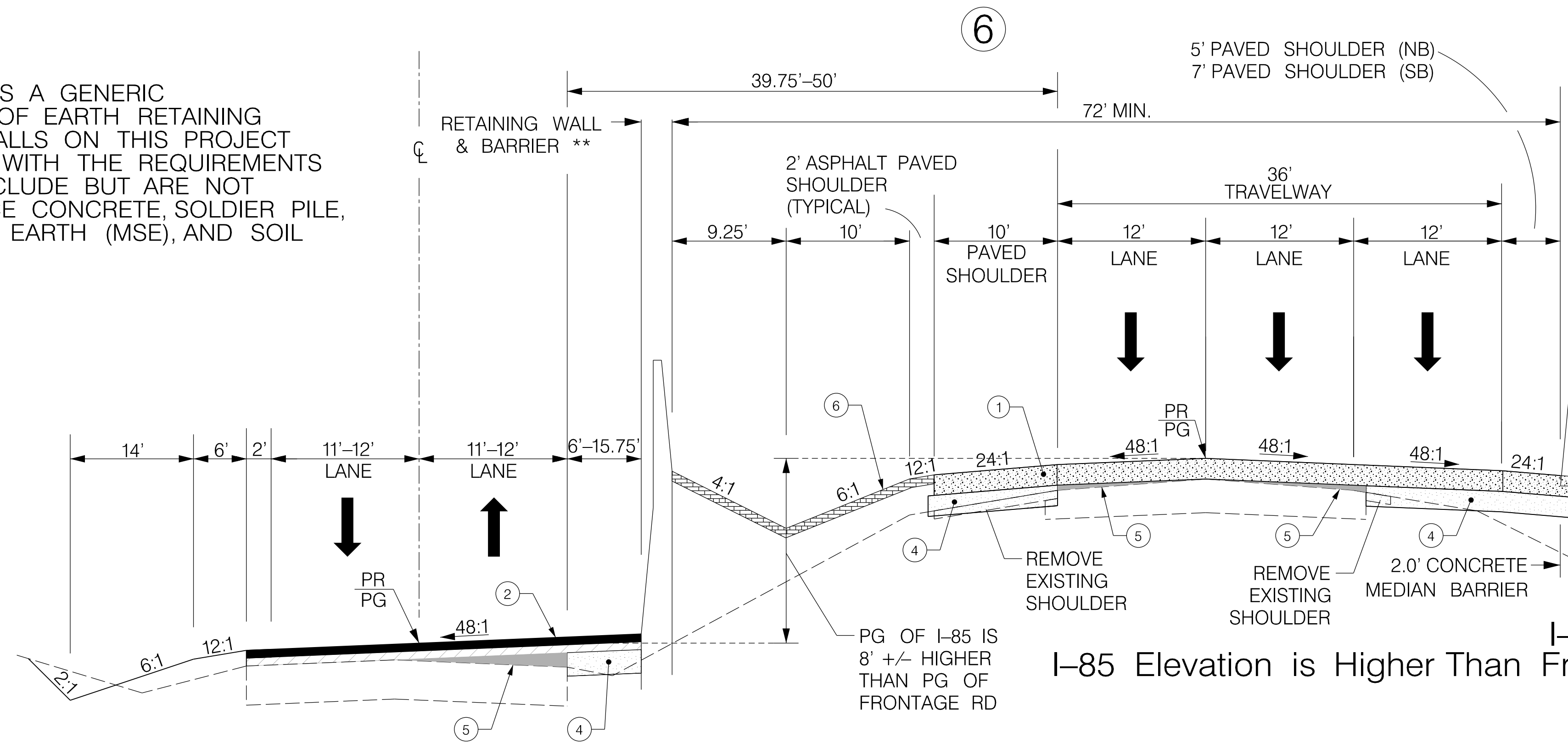
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**TYPICAL SECTION OF IMPROVEMENT
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
COLUMBIA, S.C.**

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	CHEROKEE SPARTANBURG	P027114	INTERSTATE 85	3C

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

** RETAINING WALL SHOWN IS A GENERIC DEPICTION OF ONE TYPE OF EARTH RETAINING STRUCTURE. RETAINING WALLS ON THIS PROJECT WILL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE RFP AND MAY INCLUDE BUT ARE NOT LIMITED TO CAST IN PLACE CONCRETE, SOLDIER PILE, MECHANICALLY STABILIZED EARTH (MSE), AND SOIL NAILED WALLS.



FUNCTIONAL CLASSIFICATION: FREEWAY

	1	PORTLAND CEMENT CONCRETE PAVEMENT 13" UNIFORM
	2	HOT MIX ASPHALT SURFACE COURSE
	3	HOT MIX ASPHALT INTERMEDIATE COURSE
	4	HOT MIX ASPHALT BASE COURSE TYPE A (450 PSY)
	5	HOT MIX ASPHALT SURFACE COURSE FOR WEDGING OR BUILD-UP. USE TYPE E FOR BUILD-UP LESS THAN 2". USE TYPE B FOR GREATER THAN 2".
	6	DENSE GRADED HMA SURFACE TYPE C (200 PSY) AS WEARING COURSE

RTE.	DESIGN SPEED	
	MPH	FROM STA. TO STA.
	SEE SHEET 3H	
EXCEPTIONS TO DESIGN SPEED		

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SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

TYPICAL SECTION SHEET

INTERSTATE 85 MILE MARKER 90-97
SECTION 4

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**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	CHEROKEE SPARTANBURG	P027114	INTERSTATE 85	3D

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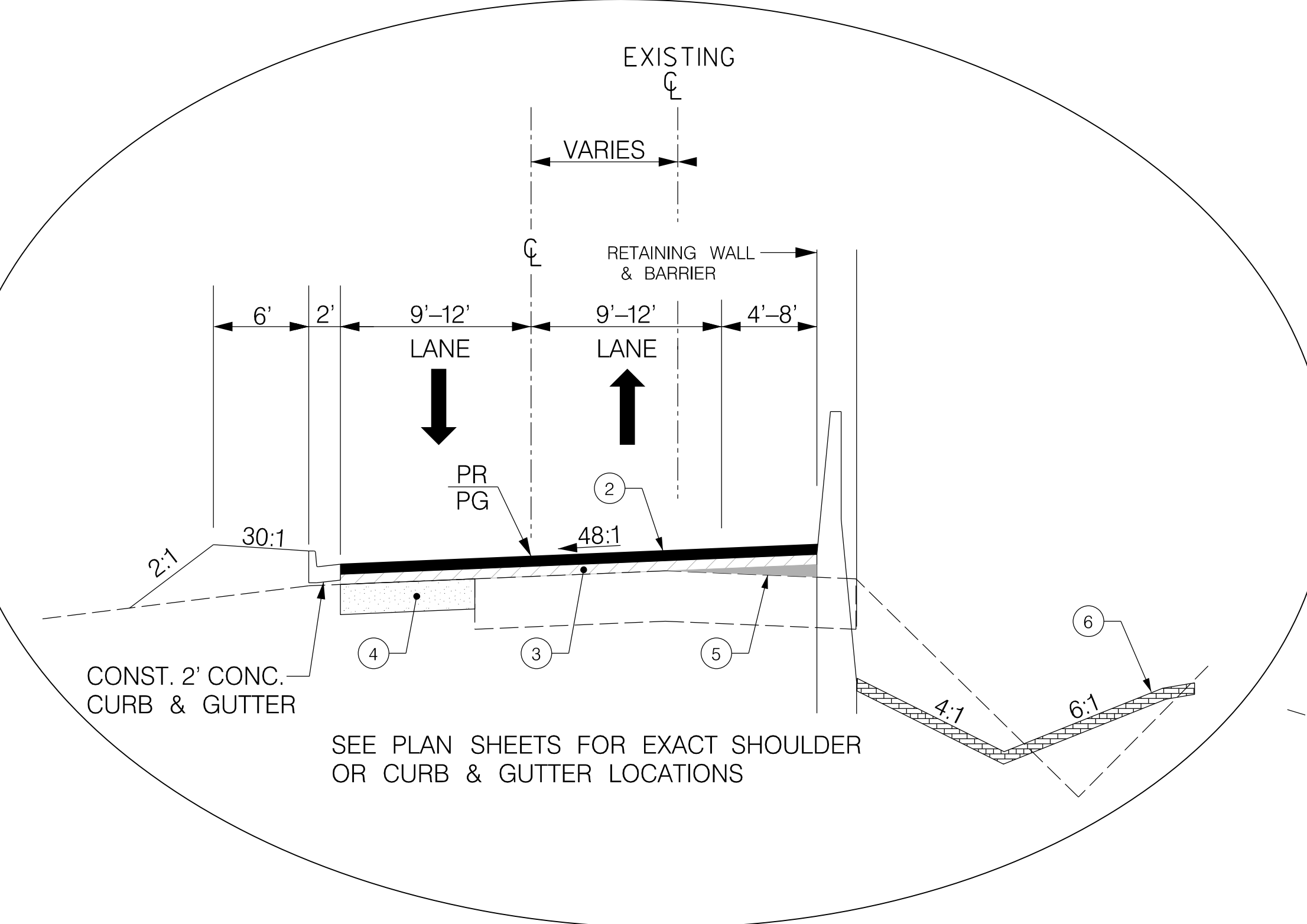
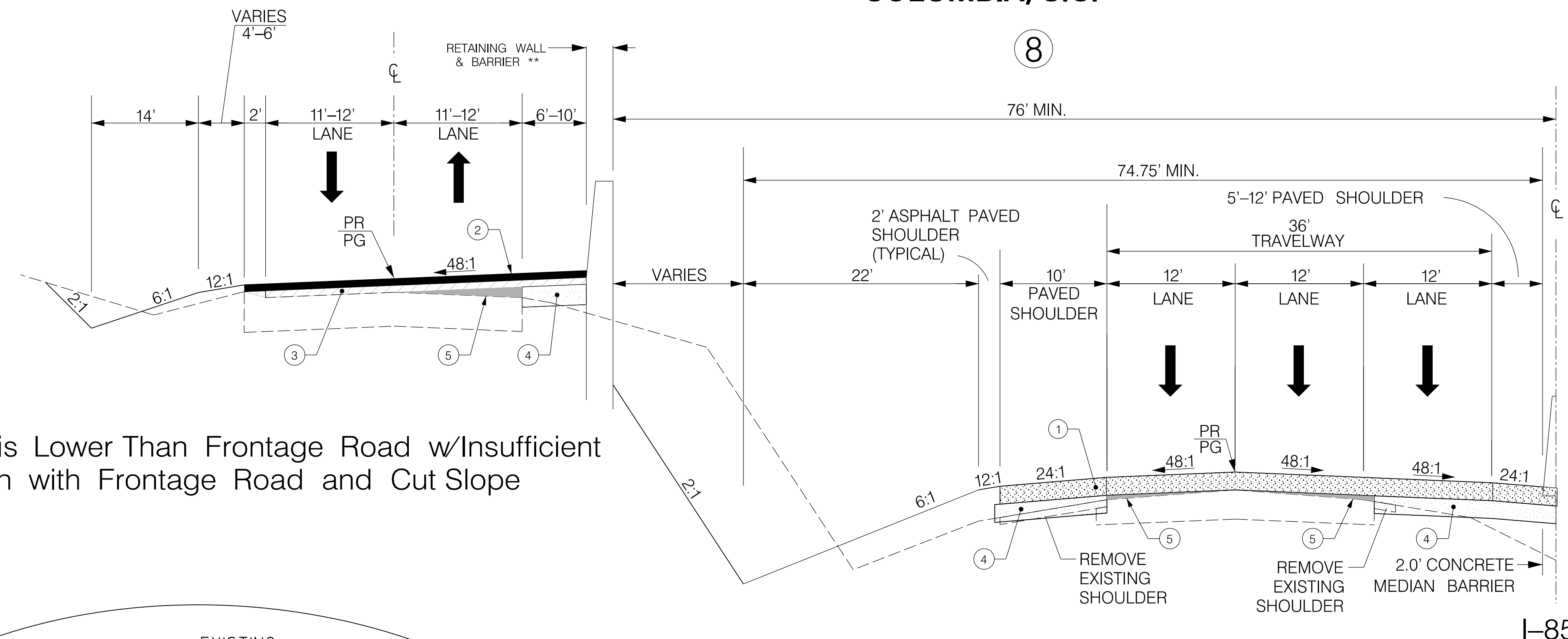
FUNCTIONAL CLASSIFICATION: FREEWAY

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	2	HOT MIX ASPHALT SURFACE COURSE
	3	HOT MIX ASPHALT INTERMEDIATE COURSE
	4	HOT MIX ASPHALT BASE COURSE TYPE A (450 PSY)
	5	HOT MIX ASPHALT SURFACE COURSE FOR WEDGING OR BUILD-UP. USE TYPE E FOR BUILD-UP LESS THAN 2". USE TYPE B FOR GREATER THAN 2".
	6	DENSE GRADED HMA (8 INCHES) INCLUDING HMA SURFACE TYPE C (200 PSY) AS WEARING COURSE

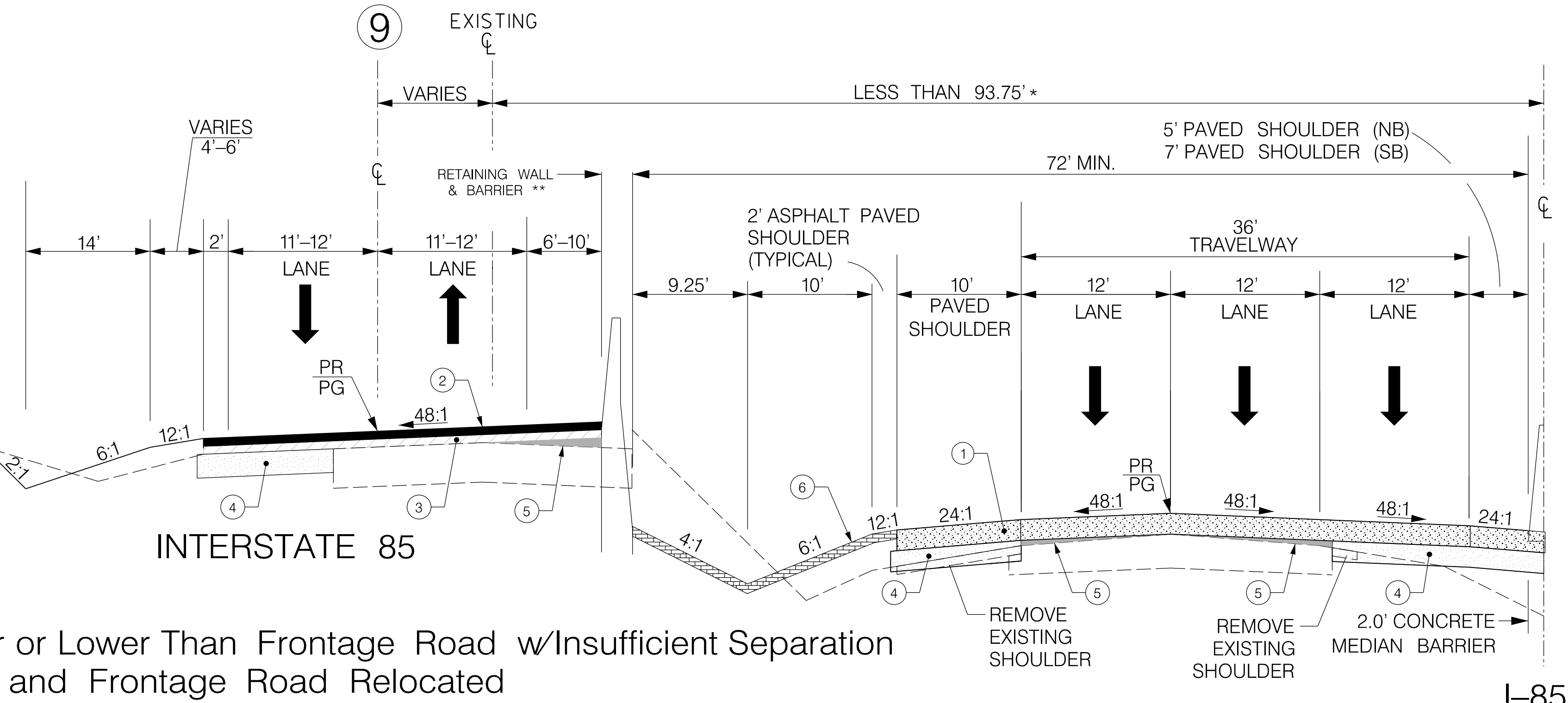
NOTE:

* WHEN DISTANCE IS LESS THAN 93.75' RELOCATE FRONTAGE ROAD TO MATCH TYPICAL SECTION SHOWN.

I-85 Elevation is Lower Than Frontage Road w/Insufficient Separation with Frontage Road and Cut Slope



I-85 Elevation is Higher or Lower Than Frontage Road w/Insufficient Separation and Frontage Road Relocated



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RTE.		DESIGN SPEED	
MPH	FROM STA.	TO STA.	
SEE SHEET 3H			
EXCEPTIONS TO DESIGN SPEED			

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SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85	
TYPICAL SECTION SHEET	
INTERSTATE 85 MILE MARKER 90-97 SECTION 4	

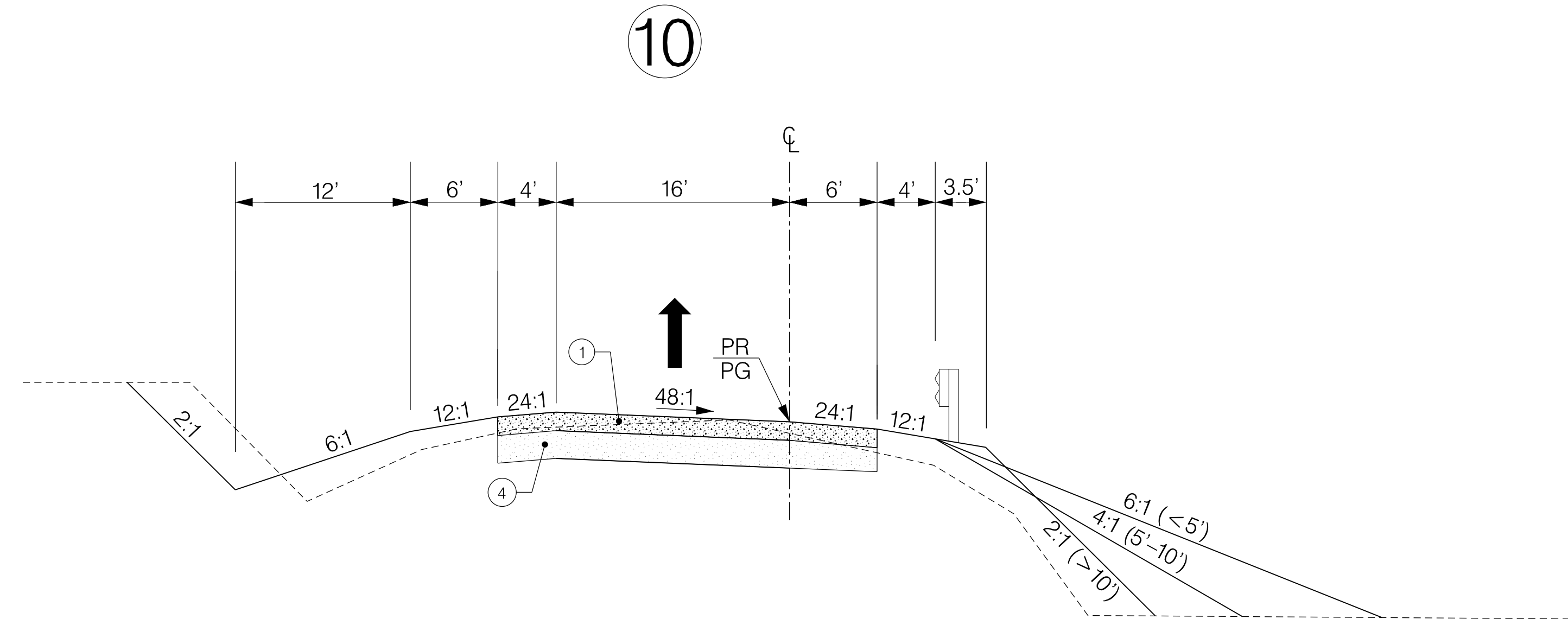
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**TYPICAL SECTION OF IMPROVEMENT
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
COLUMBIA, S.C.**

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	CHEROKEE SPARTANBURG	P027114	INTERSTATE 85	3E

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

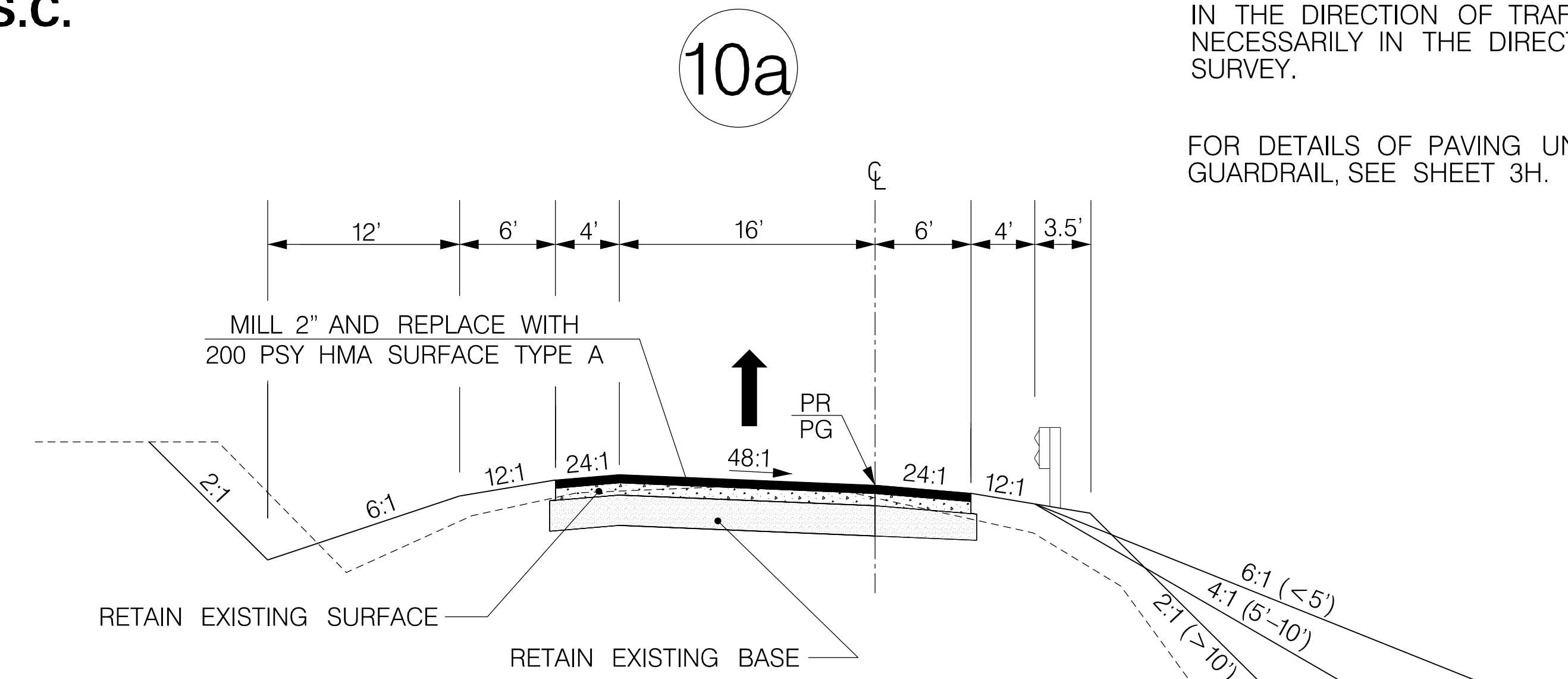
FOR DETAILS OF PAVING UNDER GUARDRAIL, SEE SHEET 3H.



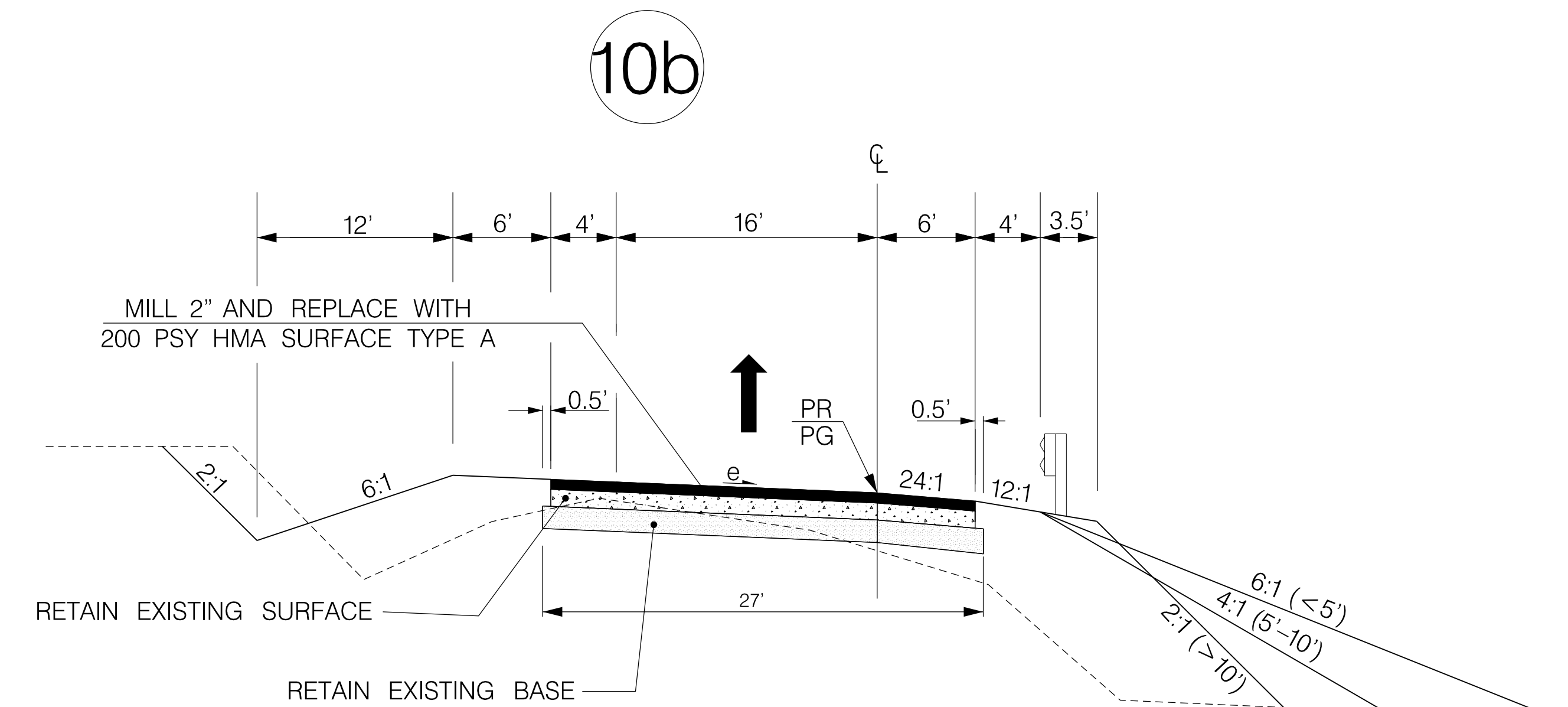
EXIT 95 (9" JPCP)
 RAMP A STA. 1658 + 45.06 TO STA. 1672 + 85.85
 RAMP B STA. 1646 + 66.61 TO STA. 1657 + 69.27
 RAMP C STA. 1643 + 26.58 TO STA. 1656 + 52.10
 RAMP D STA. 1656 + 01.03 TO STA. 1672 + 10.04

EXIT 96 (10" JPCP)
 RAMP A STA. 1734 + 64.62 TO STA. 1749 + 42.49
 RAMP B STA. 1723 + 19.94 TO STA. 1735 + 64.37
 RAMP C STA. 1715 + 77.64 TO STA. 1733 + 55.01
 RAMP D STA. 1734 + 58.32 TO STA. 1743 + 96.27

NOTES:
 PAVEMENT DESIGNS FOR RAMPS AT EXITS 95 AND 96 WERE APPROVED THROUGH ALTERNATIVE TECHNICAL CONCEPT 1 DATED AUGUST 3, 2016.



EXIT 92 (2" MILL, 2" HMA OVERLAY)
 RAMP A STA. 1516 + 00.00 TO STA. 1521 + 00.00
 RAMP B STA. 1533 + 00.00 TO STA. 1536 + 99.88
 RAMP C STA. 1530 + 00.00 TO STA. 1536 + 00.00
 RAMP D STA. 1516 + 00.00 TO STA. 1519 + 00.00



EXIT 92 (2" MILL, 2" HMA OVERLAY)
 LOOP B STA. 1526 + 00.00 TO STA. 1528 + 80.45
 LOOP D STA. 1523 + 00.00 TO STA. 1527 + 15.00

RAMPS

ONE-WAY INTERCHANGE RAMPS

FUNCTIONAL CLASSIFICATION: FREEWAY RAMPS

- ① JOINTED PLAIN CONCRETE PAVEMENT (JPCP). SEE SPECIFIC LOCATION FOR THICKNESS.
- ④ HOT MIX ASPHALT BASE COURSE TYPE A (450 PSY)

RTE.		DESIGN SPEED	
MPH	FROM STA.	TO STA.	
SEE SHEET 3H			
EXCEPTIONS TO DESIGN SPEED			

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SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 INTERSTATE 85
 TYPICAL SECTION SHEET
 INTERSTATE 85 MILE MARKER 90-97
 SECTION 4

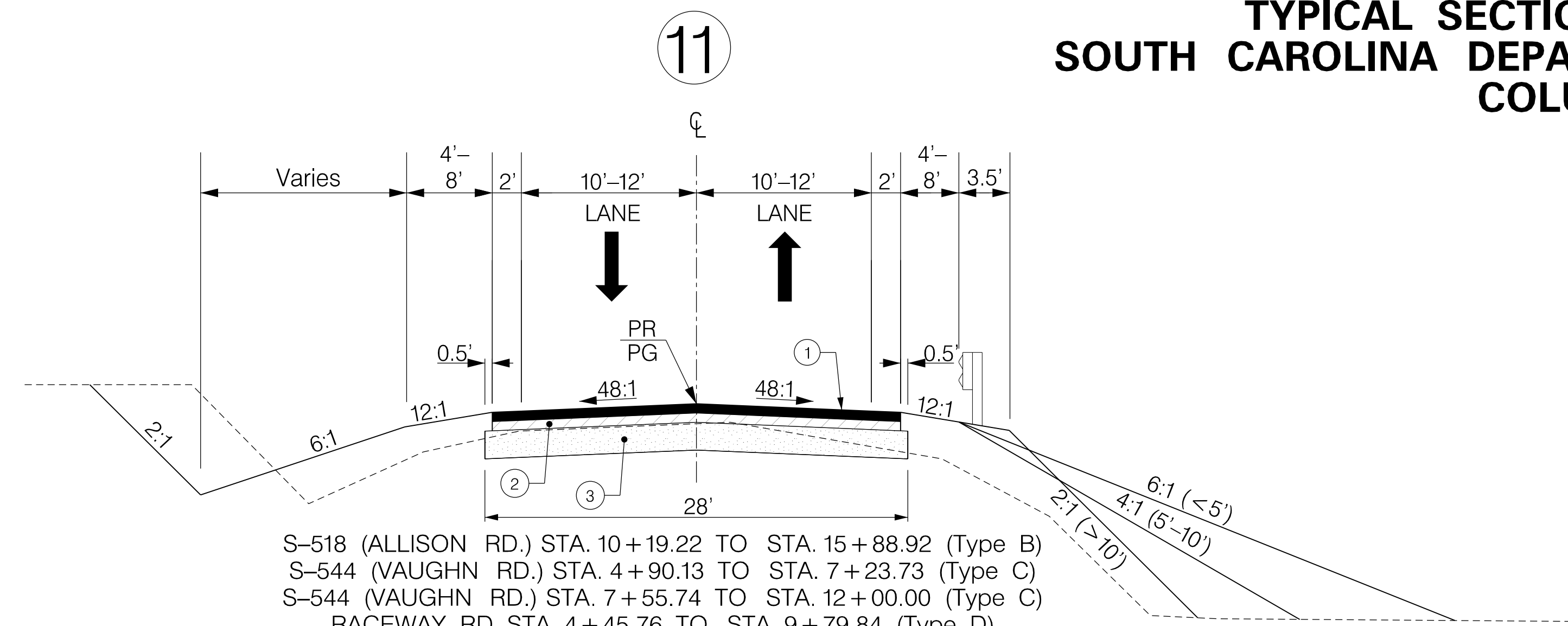
p:\parrish-pw\Documents\Projects\I-85 Widening\Design\Roadway\Sheets\PreliminaryPlans\Typical\Sections\SECTION 4\SA_185 TYPICAL SECTIONS.dgn 10/24/2017

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	CHEROKEE SPARTANBURG	P027114	INTERSTATE 85	3F

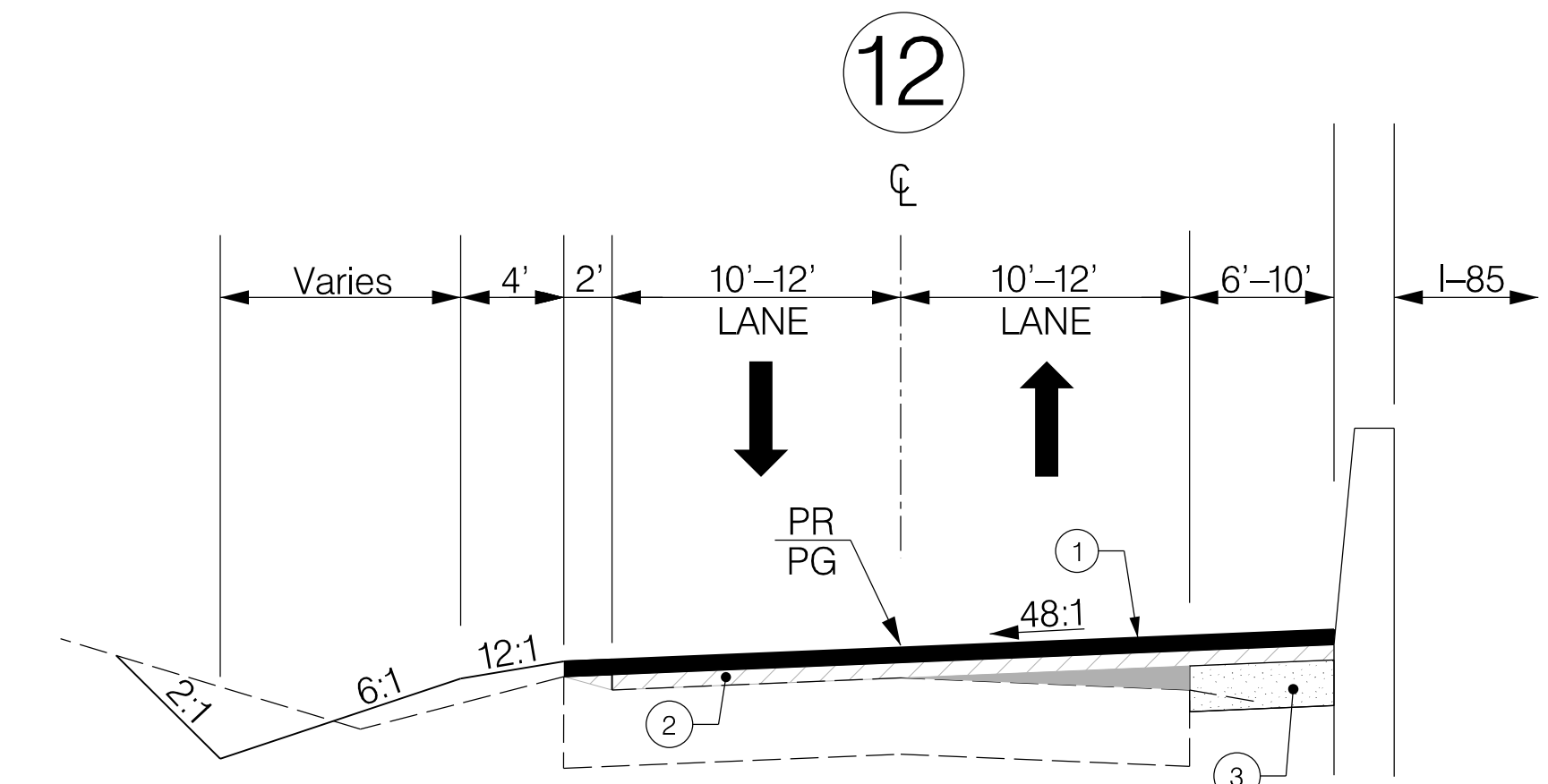
NOTE: SEE 'TYPE' IN PARENTHESES FOLLOWING STATION RANGE FOR PAVEMENT DESIGN SHOWN IN LOWER LEFT LEGEND.

FOR DETAILS OF PAVING UNDER GUARDRAIL, SEE SHEET 3H.



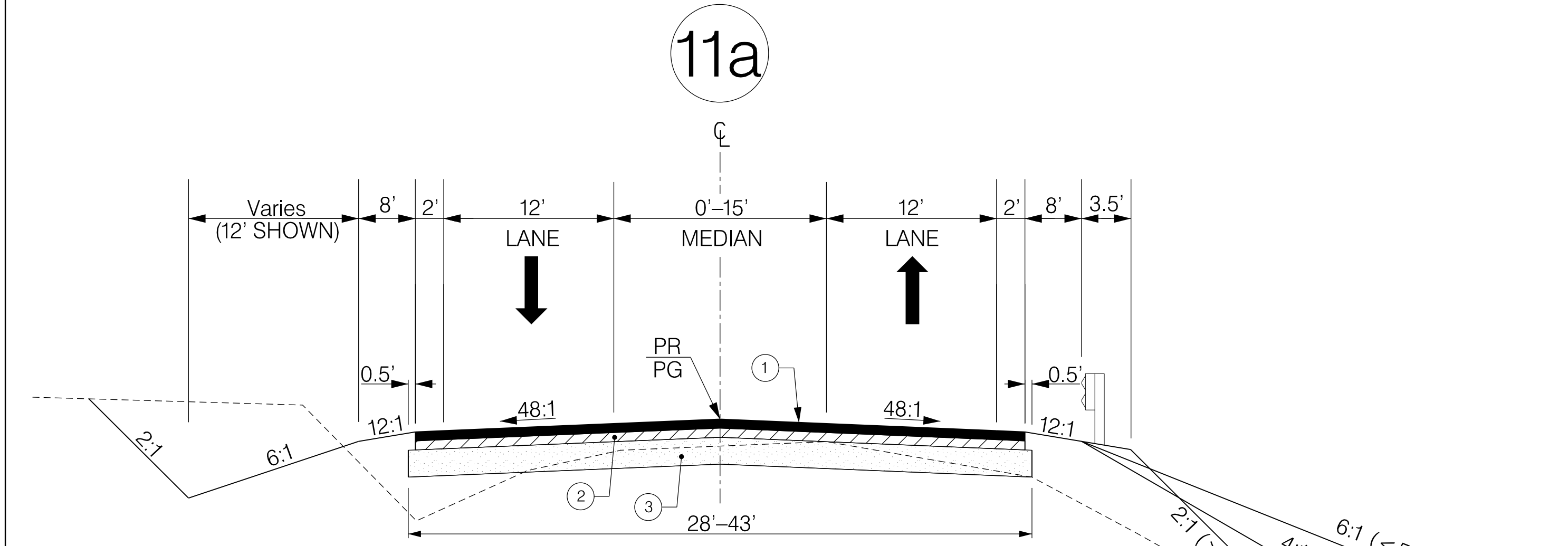
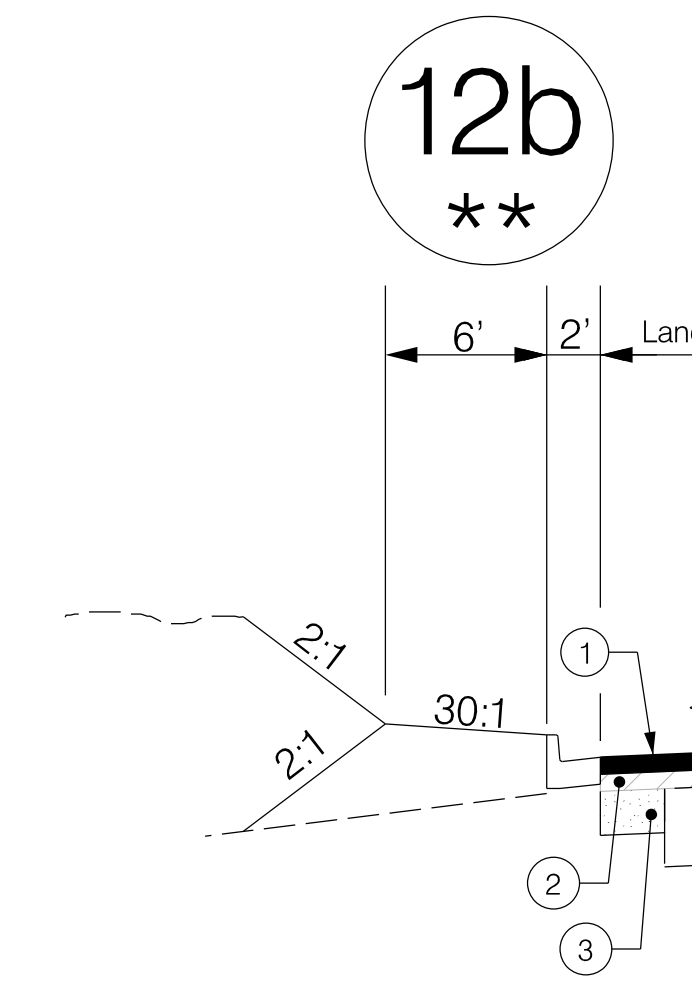
- S-518 (ALLISON RD.) STA. 10+19.22 TO STA. 15+88.92 (Type B)
- S-544 (VAUGHN RD.) STA. 4+90.13 TO STA. 7+23.73 (Type C)
- S-544 (VAUGHN RD.) STA. 7+55.74 TO STA. 12+00.00 (Type C)
- RACEWAY RD. STA. 4+45.76 TO STA. 9+79.84 (Type D)
- S-793 (LOCKHART LN.) STA. 10+11.00 TO STA. 12+42.00 (Type D)
- S-668 (WILCOX AVE. 1755) STA. 1733+11.44 TO STA. 1755+55.23 (Type B)

CONSTRUCT 210' PRESTRESSED CONCRETE BRIDGE ON S-668 (WILCOX AVE. 1755) STA. 1735+73.00 TO STA. 1737+83.00 AT EXIT 95 (SEE BRIDGE PLANS)



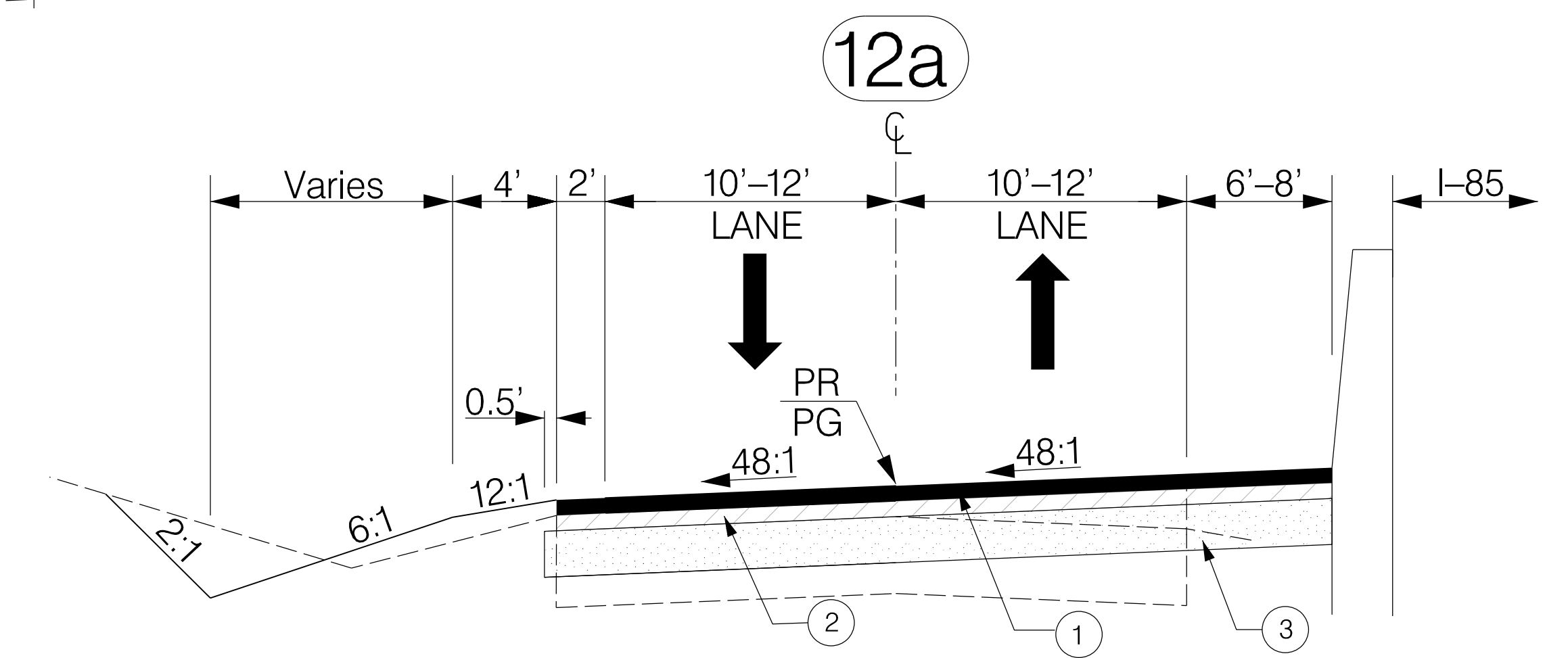
- S-668 (WILCOX AVE. 1584) STA. 1584+12.80 TO STA. 1634+36.21 (Type B)
- S-668 (WILCOX AVE. 1678) STA. 1675+00.00 TO STA. 1678+84.18 (Type B)
- S-668 (WILCOX AVE. 1716) STA. 1715+22.78 TO STA. 1723+09.17 (Type B)
- S-661 (HAMPSHIRE DRIVE) STA. 1569+73.33 TO STA. 1640+58.45 (Type B)
- ** S-668 (WILCOX AVE. 1584) STA. 1634+36.21 TO STA. 1654+23.91 (Type B)

OVERLAY DESIGNS ARE AS FOLLOWS:
 WILCOX AVENUE - 150 PSY HMA SURFACE COURSE TYPE C, 200 PSY HMA INTERMEDIATE TYPE C, 200 PSY HMA ADDITIONAL LIFT INTERMEDIATE TYPE C.
 HAMPSHIRE DRIVE - 175 PSY HMA SURFACE COURSE TYPE C



- SC-18 (SHELBY HIGHWAY) STA. 189+64.76 TO STA. 218+18.50 (Type A)
- SC-18 (SHELBY HIGHWAY) STA. 100+20.75 TO STA. 134+78.31 (Type A)
- SC-18 (SHELBY HIGHWAY) STA. 92+60.00 TO STA. 100+81.03 (Type A)
- S-668 (WILCOX AVE. 1584) STA. 1654+23.91 TO STA. 1661+74.82 (Type B)
- S-668 (WILCOX AVE. 1678) STA. 1660+09.04 TO STA. 1675+00.00 (Type B)
- S-668 (WILCOX AVE. 1716) STA. 1723+09.17 TO STA. 1742+33.31 (Type B)

CONSTRUCT 173' PRESTRESSED CONCRETE BRIDGE ON SC-18 (SHELBY HIGHWAY) STA. 199+08.06 TO STA. 200+81.06 AT EXIT 96 (SEE BRIDGE PLANS)



- S-660 (CRESTHAVEN DRIVE) STA. 1533+05.60 TO STA. 1542+49.84 (Type D)
- S-666 (PEACHOID RD.) STA. 1504+92.16 TO STA. 1512+00.68 (Type B)
- ** CANTY WAY STA. 1562+00.00 TO STA. 1571+88.93 (Type D)

NOTES:
SEE PLAN SHEETS FOR EXACT SHOULDER OR CURB AND GUTTER LOCATIONS.

FUNCTIONAL CLASSIFICATION: COLLECTORS/LOCAL ROADS

PAVEMENT DESIGN TYPE A		PAVEMENT DESIGN TYPE B	
	① HMA SURFACE COURSE TYPE B (200 PSY)		① HMA SURFACE COURSE TYPE C (150 PSY)
	② HMA SURFACE COURSE TYPE B (200 PSY)		② HMA INTERM. COURSE TYPE C (200 PSY)
	③ ASPHALT AGGREGATE BASE COURSE (1300 PSY)		③ ASPHALT AGGREGATE BASE COURSE (950 PSY)
PAVEMENT DESIGN TYPE C		PAVEMENT DESIGN TYPE D	
	① HMA SURFACE COURSE TYPE D (125 PSY)		① HMA SURFACE COURSE TYPE D (150 PSY)
	② HMA INTERM. COURSE TYPE C (200 PSY)		② HMA INTERM. COURSE TYPE C (200 PSY)
	③ ASPHALT AGGREGATE BASE COURSE (625 PSY)		③ ASPHALT AGGREGATE BASE COURSE (450 PSY)

FRONTAGE & SIDE ROADS

RTE.	DESIGN SPEED	
	MPH	FROM STA. TO STA.
	SEE SHEET 3H	
EXCEPTIONS TO DESIGN SPEED		

PRELIMINARY
NOT FOR CONSTRUCTION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
7			
6			
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SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

TYPICAL SECTION SHEET

INTERSTATE 85 MILE MARKER 90-97
SECTION 4

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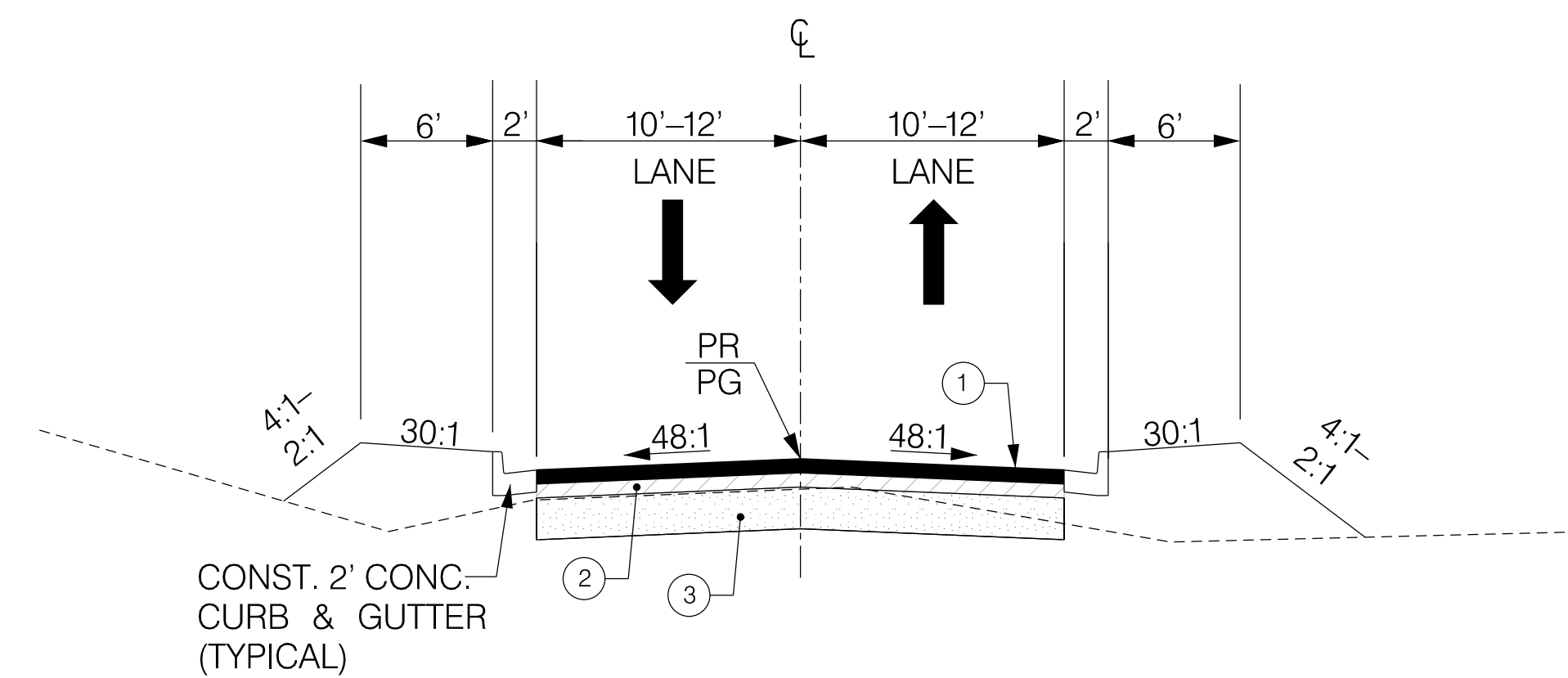
**TYPICAL SECTION OF IMPROVEMENT
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
COLUMBIA, S.C.**

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	CHEROKEE SPARTANBURG	P027114	INTERSTATE 85	3G

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

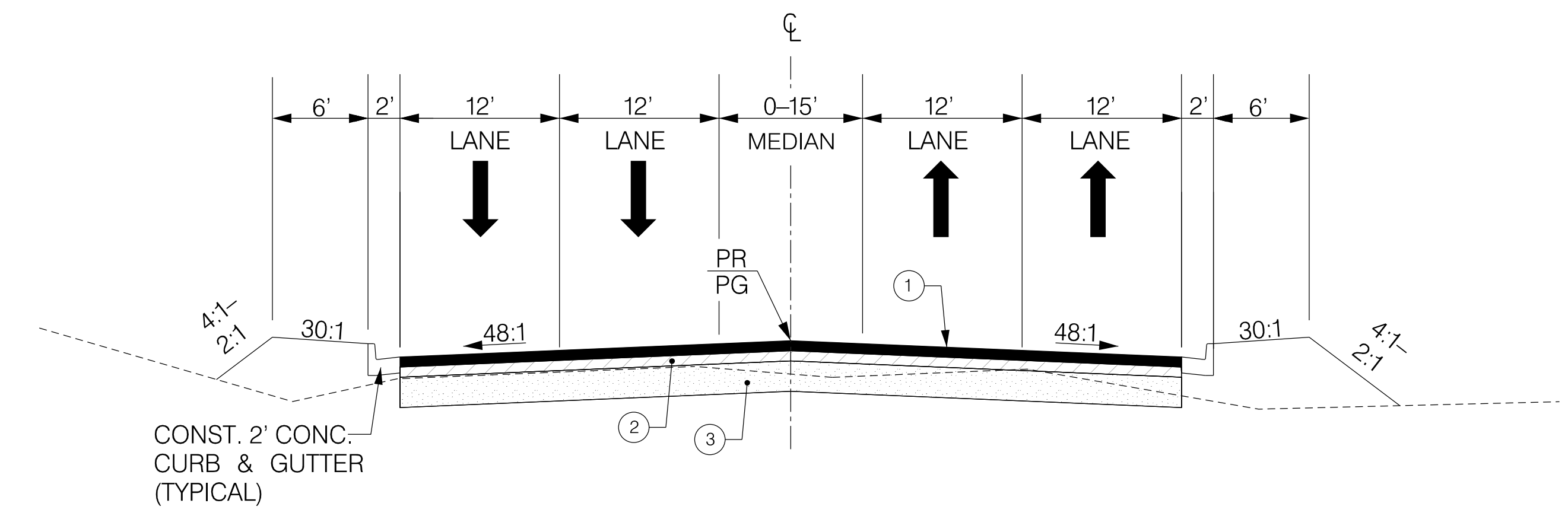
FOR DETAILS OF PAVING UNDER GUARDRAIL, SEE SHEET 3H.

13

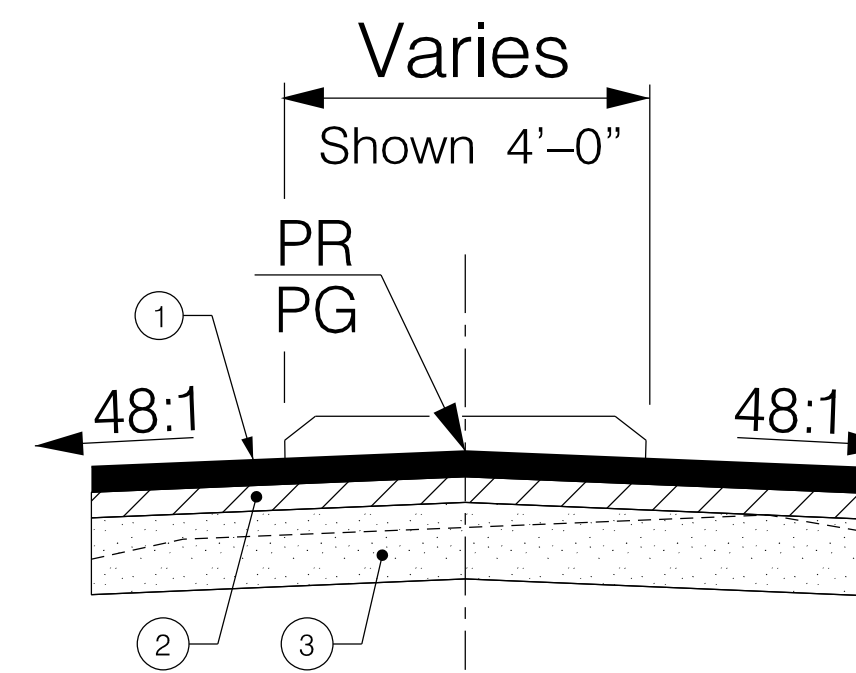


S-614 (MATTHEWS DRIVE) STA. 1643+35.56 TO STA. 1653+73.24
S-666 (PEACHOID RD.) STA. 1512+00.68 TO STA. 1515+00.86
COMMERCE DRIVE STA. 11+89.60 TO STA. 13+63.00

15



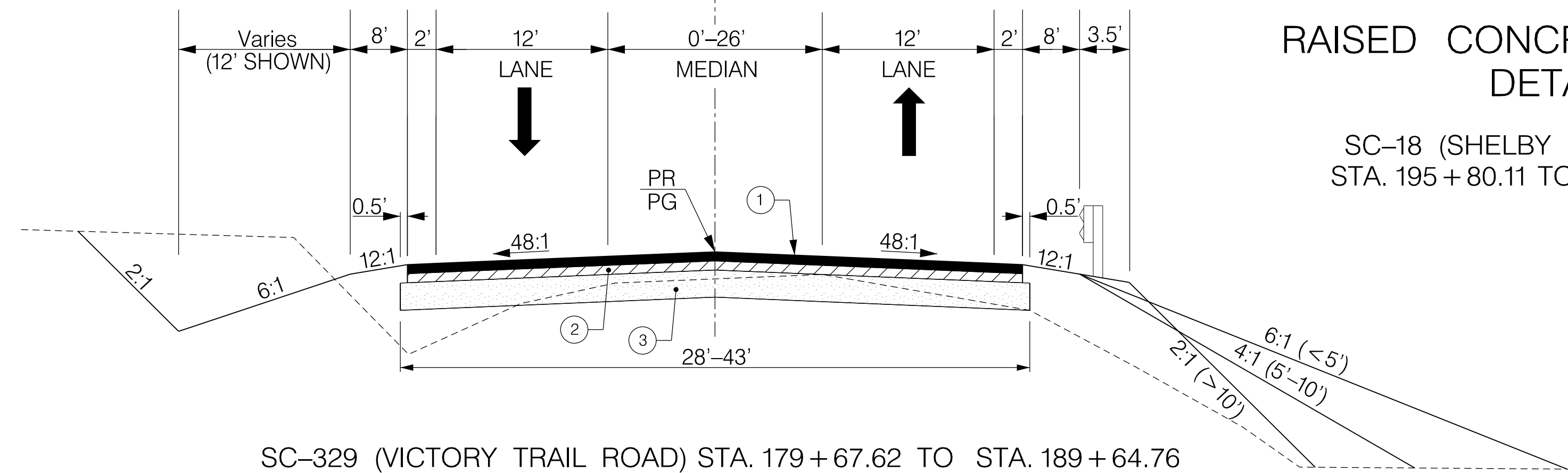
S-82 (PLEASANT SCHOOL RD.) STA. 178+59.60 TO STA. 188+67.31
COMMERCE DRIVE STA. 10+00.00 TO STA. 11+89.60



**RAISED CONCRETE MEDIAN
DETAIL**

SC-18 (SHELBY HIGHWAY) FROM STA. 195+80.11 TO STA. 204+97.87

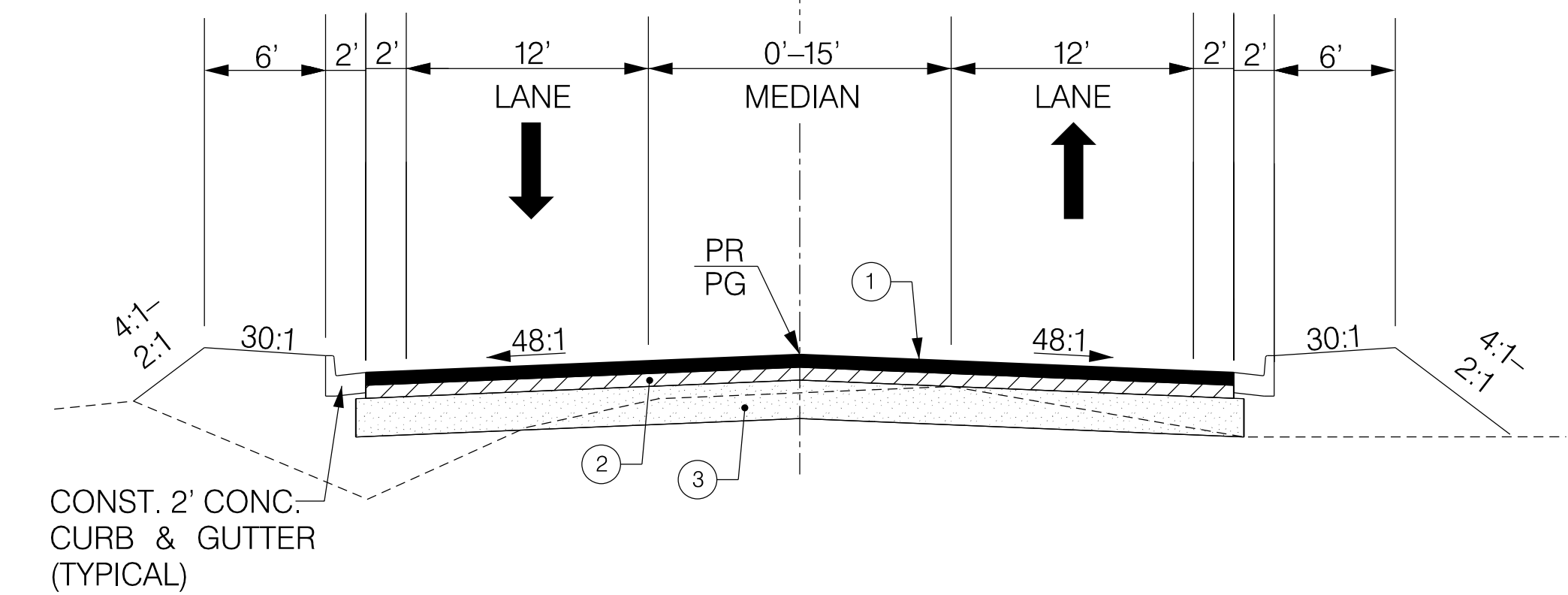
14



SC-329 (VICTORY TRAIL ROAD) STA. 179+67.62 TO STA. 189+64.76
S-82 (PLEASANT SCHOOL RD.) STA. 193+43.45 TO STA. 217+96.98

CONSTRUCT 183' PRESTRESSED CONCRETE BRIDGE ON S-82 (PLEASANT SCHOOL RD.) STA. 199+10.00 TO STA. 200+93.00 AT EXIT 95 (SEE BRIDGE PLANS)

16



S-82 (PLEASANT SCHOOL RD.) STA. 188+67.31 TO STA. 193+43.45

FUNCTIONAL CLASSIFICATION: COLLECTORS/LOCAL ROADS

	①	HOT MIX ASPHALT SURFACE COURSE TYPE C (150 PSY)
	②	HOT MIX ASPHALT INTERMEDIATE COURSE TYPE C (200 PSY)
	③	ASPHALT AGGREGATE BASE COURSE (950 PSY)

RTE.	DESIGN SPEED	
	MPH	FROM STA. TO STA.
SEE SHEET 3H		
EXCEPTIONS TO DESIGN SPEED		

**PRELIMINARY
NOT FOR CONSTRUCTION**

7				
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

NOTES:
SEE PLAN SHEETS FOR EXACT SHOULDER OR CURB AND GUTTER LOCATIONS.

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

TYPICAL SECTION SHEET

INTERSTATE 85 MILE MARKER 90-97
SECTION 4

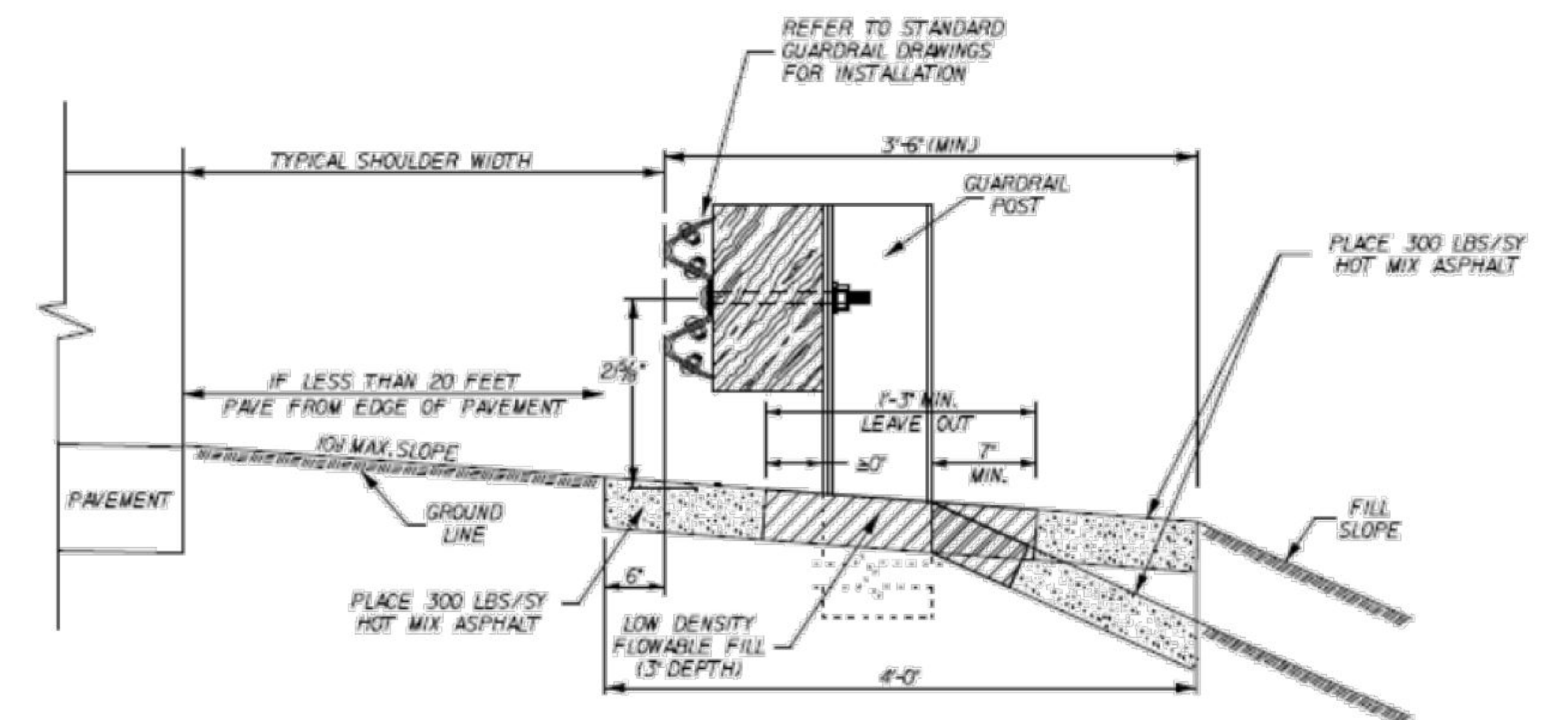
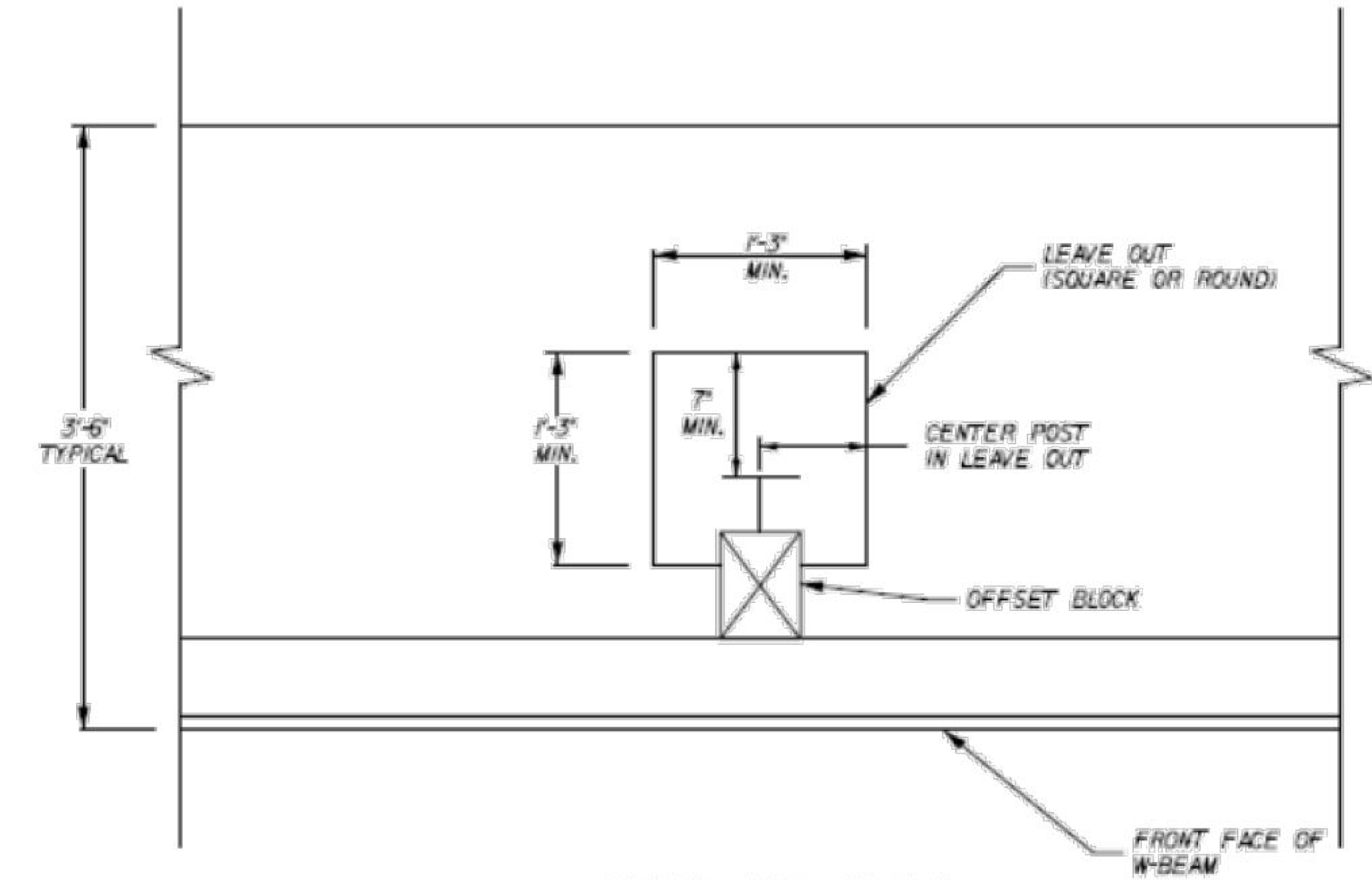
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TYPICAL SECTION OF IMPROVEMENT SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION COLUMBIA, S.C.

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	CHEROKEE SPARTANBURG	P027114	INTERSTATE 85	3H

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FUNCTIONAL CLASSIFICATION	ROAD NAME	Local Name	DESIGN SPEED	EXCEPTIONS	STATION
Urban Arterial - Freeways	I-85 Mainline		65 MPH	55 MPH	NB 1488+20.00 and SB 1487+40.00
				60 MPH	NB 1701+20.00 and SB 1701+75.00
	Ramps		45 MPH		
	Loops		30 MPH		
Rural Local - Group 1	Canty Way		25 MPH		
Rural Local - Group 4	Raceway Drive		45 MPH		
Urban Local - Group 1	S-11-660	Cresthaven Drive	25 MPH		
Urban Local - Group 4	S-11-518	Allison	45 MPH		
	S-11-544	Vaughn Road	45 MPH		
	S-11-614	Matthews Drive	45 MPH		
	S-11-661	Hampshire Drive	45 MPH		
	S-11-666	Peachoid Road	45 MPH		
	S-11-668	Wilcox Avenue	45 MPH		
Urban Minor Arterial	SC-11-18	Shelby Highway	45 MPH		
	SC-11-329	Victory Trail Road	45 MPH		
Urban Minor Collector	S-11-82	Pleasant School Road	45 MPH		



RTE.	DESIGN SPEED	
	MPH	FROM STA. TO STA.
EXCEPTIONS TO DESIGN SPEED		

PRELIMINARY
NOT FOR CONSTRUCTION

NOT TO SCALE

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION		

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

DESIGN SPEED /CLASSIFICATIONS

INTERSTATE 85 MILE MARKER 90-97
DESIGN SPEED /CLASSIFICATIONS
SECTION 4



South Carolina Department of Transportation

RIGHT-OF-WAY DATA SHEET

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE/ROAD NO.	SHEET NO.
3	S.C.	SPARTANBURG/CHEROKEE	P027114	I-85	4A

TRACT NO.	PROPERTY OWNER	TAX MAP REFERENCE	TOTAL TRACT ACRES	OBTAIN				REMAINDER LEFT ACRES ^A	REMAINDER RIGHT ACRES ^A	DATE ACQUIRED	TYPE OF INSTRUMENT	PERMISSION (YES)					REMARKS
				OUTFALL DITCH	LEFT	RIGHT	TOTAL					OUTFALL DITCH	SLOPE	DRAINAGE STRUCTURE	EROSION CONTROL	ENTRANCE CONSTRUCTION	
1000	Lemmons Joe Dean O Jr &	800000144005	10.02														
1001	Spartanburg County Comission	800000063004	2.50														
1002	Bonner George Est	800000066000	17.00														
1003	Daisy Outdoor Advertising CO I	800000069000	3.00			245 SF 0.006 Ac	245 SF 0.006 Ac	2.994					YES				
1004	Huskey Willie Dean	800000070000	0.51														
1005	Huskey Hervin	800000071000	0.51														
1006	Harris Lillie H	800000072000	0.50														
1007	Harris Lillie Henry	800000073000	0.49														
1008	Lemmons Jodean O & Jodean Jr	800000074000	0.29														
1009	Means Fleming Jr & Queen C	800000075000	0.33														
1010	Tate Annette Etal	800000067000	1.00														
1011	Dreams Dominion Inc.	800000068000	3.04									YES	YES				
1012	James W Harris, Timothy Harris, Kimberly Harris-Eato	800000076000	3.21			309 SF 0.007 Ac	309 SF 0.007 Ac	3.203									
1013	Murphy Jo Ann E Trustee	800500018000	4.57														
1014	Lemmons Jodean O JR & Kathryn	800000062000	37.56			630 SF 0.014 Ac	630 SF 0.014 Ac	37.546									
1015	Murphy Martin	800000060000	1.00									YES					
1016	Shri Siddheshaw Inc.	800000058000	3.81		5580 SF 0.128 Ac		5580 SF 0.128 Ac	3.682				YES		YES			
1017	Abbott Sign Co Inc	800000058001	0.06		280 SF 0.006 Ac		280 SF 0.006 Ac	0.054									
1018	JMC Capital LLC	800000056000	1.00		454 SF 0.010 Ac		454 SF 0.010 Ac	0.990									
1019	Abbott Fruit Markets Inc.	800000061000	1.38		8537 SF 0.196 Ac		8537 SF 0.196 Ac	1.184				YES					
1020	Peachhoid LLC	800000055000	1.98														
1021	Peachhoid LLC	800000061001	1.44														
1022	FUJI Expresshuns LLC	800000062002	0.79														
1024	Stepp David P	801000060000	0.29														
1025	Mendez Jose A & Martha	801000013000	0.47			221 SF 0.005 Ac	221 SF 0.005 Ac	0.465				YES		YES			
1028	Parkdale America LLC	800000138000															
1029	Sandra Greene Tucker	801000014000	0.53			93 SF 0.002 Ac	93 SF 0.002 Ac	0.528									
1030	McCraw Ruth B	801000012000	0.42			1516 SF 0.035 Ac	1516 SF 0.035 Ac	0.385									
1031	Blanton Winfred & Brenda	801000011000	0.46			1506 SF 0.035 Ac	1506 SF 0.035 Ac	0.425									
1032	Bratton David L	801000010000	0.46			1630 SF 0.037 Ac	1630 SF 0.037 Ac	0.423									
1033	Candi C Ellis	801000009000	0.46			1738 SF 0.040 Ac	1738 SF 0.040 Ac	0.420									
1034	Dennis F Shackelford with a Life Estate to Catherine T	801000008000	0.46			1487 SF 0.034 Ac	1487 SF 0.034 Ac	0.426									
1035	Johnston Jeffery C	801000007000	0.46			1090 SF 0.025 Ac	1090 SF 0.025 Ac	0.435									
1036	Federal National MTG Assoc	801000005000	0.92			1128 SF 0.026 Ac	1128 SF 0.026 Ac	0.894									
1037	Jacqueline Littejohn	801000004000	0.62			433 SF 0.010 Ac	433 SF 0.010 Ac	0.610									
1038	Posey Perry W	801000003001	0.46														
1039	Posey Perry W	801000003000	0.46														
1040	UNKNOWN	UNKNOWN	UNKNOWN														
1041	Ferrell Martha D/Jason M &	800000041000	28.30														
1042	McGill James O	801000002000	0.86														
1043	Clary Cemetery	801000001000	0.30														
1044	Wheat Gerakline M Life EST THN	801000062000	0.62														
1045	Cargus Recycling Inc	800000043001	0.90														
1045A	Phillips Billy L 1/2 & Mary	800000044000	1.09														
1045B	Abbott Sign Co Inc	800000044001	0.10														

R/W NOTE: THE DEPARTMENT WILL UTILIZE THE PRESENT RIGHT OF WAY AS SHOWN BELOW EXCEPT AS OTHERWISE SHOWN ON PLANS.

ROAD / ROUTE #	FILE #	R/W WIDTH	YEAR ACQ'D.

NOTES:
A. SHOW REMAINDER IN SQUARE FEET WHEN LESS THAN 0.25 ACRE.

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RIGHT-OF-WAY DATA SHEET

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE/ROAD NO.	SHEET NO.
3	S.C.	SPARTANBURG/CHEROKEE	P02714	I-85	4B

TRACT NO.	PROPERTY OWNER	TAX MAP REFERENCE	TOTAL TRACT ACRES	OBTAIN				REMAINDER LEFT ACRES ^A	REMAINDER RIGHT ACRES ^A	DATE ACQUIRED	TYPE OF INSTRUMENT	PERMISSION (YES)					REMARKS
				OUTFALL DITCH	LEFT	RIGHT	TOTAL					OUTFALL DITCH	SLOPE	DRAINAGE STRUCTURE	EROSION CONTROL	ENTRANCE CONSTRUCTION	
1046	Wilson Ivory Dale & Tracie D	801400023000	0.89														
1047	Daisy Outdoor Advertising Inc	801400022000	0.75														
1048	Taylor Gene E Sr & Billie	801400022001	0.41														
1049	Dase Lewis C	801400022002	0.41														
1050	Lenmons Jodean S & Jodean Jr	801400021000	0.96														
1051	Elliott James N & Betty P Life	800000010000	6.99			2515 SF 0.058 Ac	2515 SF 0.058 Ac	6.932				YES		YES			
1052	New Harvest Church of God	800000006000	8.04														
1053	Sarratt W E	800000009000	1.15			3867 SF 0.089 Ac	3867 SF 0.089 Ac	1.061				YES	YES	YES			
1054	Joe Mac Sparks, Jr. and Vivian S. Sparks	800000008000	1.00			2761 SF 0.063 Ac	2761 SF 0.063 Ac	0.937				YES		YES			
1055	McEntire Christopher A	800000007000	0.59			1106 SF 0.025 Ac	1106 SF 0.025 Ac	0.565				YES					
1055A	McEntire Christopher A	800000007001	0.29			2844 SF 0.065 Ac	2844 SF 0.065 Ac	0.225				YES					
1056	New Harvest Church of God	800000006101	1.98														
1057	Appalachian Log Structures Inc.	980000099001	1.94														
1058	Cherokee County a Body Politic	980000012000	55.45			10377 SF 0.238 Ac	10377 SF 0.238 Ac	55.212									
1059	Gaffney Realty Partners LLC	980000099002	8.87			103 SF 0.002 Ac	103 SF 0.002 Ac	8.868									
1059A	DCAS LLC	980000099201	10.36			55699 SF 1.279 Ac	55699 SF 1.279 Ac	9.081				YES					
1060	ParkSouth Drive Lots & Gaffney Property, LLC AKA F	980000011000	22.57			44092 SF 1.012 Ac	44092 SF 1.012 Ac	21.558									
1061	Lanier Evelyn Parris	980000008000	0.46			2619 SF 0.060 Ac	2619 SF 0.060 Ac	0.400						YES			
1062	Boyce Edward McAbee & Dale Perry McAbee	980000009000	0.46			2633 SF 0.060 Ac	2633 SF 0.060 Ac	0.400						YES			
1063	Nancy S McAbee	980000010000	1.58			4657 SF 0.107 Ac	4657 SF 0.107 Ac	1.473						YES			
1064	John D Properties	980000023000	0.45			5554 SF 0.128 Ac	5554 SF 0.128 Ac	0.322				YES		YES			
1065	John D Properties	980000023002	0.76			2356 SF 0.054 Ac	2356 SF 0.054 Ac	0.706				YES		YES			
1066	Jack E Vess AKA Jack Edward Vess	980000002000	0.06			1122 SF 0.026 Ac	1122 SF 0.026 Ac	0.034				YES	YES				
1067	Ernest E Painter & Beulah Lucille H Blanton NKA Lucil	980000024000	1.60			6435 SF 0.148 Ac	6435 SF 0.148 Ac	1.452									
1068	Jack E Vess AKA Jack Edward Vess	980000002001	3.02			8473 SF 0.195 Ac	8473 SF 0.195 Ac	2.825									
1069	Rodger C Jarrell Real Est	980000003000	1.18			6605 SF 0.152 Ac	6605 SF 0.152 Ac	1.028				YES					
1070	Painter Lucille H & Ernest E	980000025000	6.30			6082 SF 0.140 Ac	6082 SF 0.140 Ac	6.160									
1071	First Piedmont Federal Savings	980000004001	20.65			27218 SF 0.625 Ac	27218 SF 0.625 Ac	20.025				YES					
1072	Peeler Frances Morris Reid	980000004000	1.40			10691 SF 0.245 Ac	10691 SF 0.245 Ac	1.155				YES					
1073	Alice H Hill	980000027001	1.10			2367 SF 0.054 Ac	2367 SF 0.054 Ac	1.046									
1074	Alice H Hill	980000026000	4.42			5966 SF 0.137 Ac	5966 SF 0.137 Ac	4.283					YES		YES		
1075	Humphries Nelvin B & Denise	980000005000	1.85			10803 SF 0.248 Ac	10803 SF 0.248 Ac	1.602									
1076	Cherokee County School District	980000030002	0.03			1307 SF 0.030 Ac	1307 SF 0.030 Ac	0.000									
1077	Humphries Stacie T	980000005001	1.54			13214 SF 0.303 Ac	13214 SF 0.303 Ac	1.237									
1078	Nelvin Bruce Humphries Jr. & Christopher Lew Humph	980000006000	2.84			3562 SF 0.082 Ac	3562 SF 0.082 Ac	2.758									
1079	State of South Carolina Office	980000030001	10.00			8344 SF 0.192 Ac	8344 SF 0.192 Ac	9.808									
1080	Cherokee County School Dist 1	980000030000	49.30			12073 SF 0.277 Ac	12073 SF 0.277 Ac	49.023									
1081	Ted Humphries, Frances Eugene Humphries, Bertha Vic	980000007000	14.00			15782 SF 0.362 Ac	15782 SF 0.362 Ac	13.638									
1082	Green Ronald L.	980000031001	0.58			2419 SF 0.056 Ac	2419 SF 0.056 Ac	0.524									
1083	Green Ronald L.	980000031000	1.53			4162 SF 0.096 Ac	4162 SF 0.096 Ac	1.434									
1084	Sprouse Hugh E & Diane B	970000011000	2.60			49402 SF 1.134 Ac	49402 SF 1.134 Ac	1.466									
1085	Duke Power Co	980000032000	1.00			1971 SF 0.045 Ac	1971 SF 0.045 Ac	0.955									
1086	Lenmons Jodean Sr & Jodean Jr	980000032001	1.00			2602 SF 0.060 Ac	2602 SF 0.060 Ac	0.940									
1087	Curtis A L Jr	970000010000	32.63			20 SF 0.000 Ac	20 SF 0.000 Ac	32.630									
1088	Watson C Bryan & Sandy Lynn	980000033000	0.94			5246 SF 0.120 Ac	5246 SF 0.120 Ac	0.820									

R/W NOTE: THE DEPARTMENT WILL UTILIZE THE PRESENT RIGHT OF WAY AS SHOWN BELOW EXCEPT AS OTHERWISE SHOWN ON PLANS.

ROAD / ROUTE #	FILE #	R/W WIDTH	YEAR ACQ'D.

NOTES:
A. SHOW REMAINDER IN SQUARE FEET WHEN LESS THAN 0.25 ACRE.

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RIGHT-OF-WAY DATA SHEET

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE/ROAD NO.	SHEET NO.
3	S.C.	SPARTANBURG/CHEROKEE	P02714	I-85	4C

TRACT NO.	PROPERTY OWNER	TAX MAP REFERENCE	TOTAL TRACT ACRES	OBTAIN				REMAINDER LEFT ACRES ^A	REMAINDER RIGHT ACRES ^A	DATE ACQUIRED	TYPE OF INSTRUMENT	PERMISSION (YES)					REMARKS
				OUTFALL DITCH	LEFT	RIGHT	TOTAL					OUTFALL DITCH	SLOPE	DRAINAGE STRUCTURE	EROSION CONTROL	ENTRANCE CONSTRUCTION	
1089	Benchmark Investment Inc.	980000033002	0.87			5201 SF 0.119 Ac	5201 SF 0.119 Ac										
1090	Benchmark Investment Inc.	980000033003	2.13														
1091	Benchmark Investment Inc.	980000033001	0.90		1894 SF 0.043 Ac		1894 SF 0.043 Ac	0.857									
1092	Perry Deborah W	980000036001	0.70			9773 SF 0.224 Ac	9773 SF 0.224 Ac	0.476									
1093	Perry Deborah	980000036000	0.35		939 SF 0.022 Ac		939 SF 0.022 Ac	0.328									
1094	Cherokee Children's Home	980000061000	8.73			9966 SF 0.229 Ac	9966 SF 0.229 Ac	8.501					YES				
1095	See 1080!! - Cherokee County School Dist 1	980000030000	49.30														
1098	Johnard Realty CO/Partnership	980000062000	5.50			36712 SF 0.843 Ac	36712 SF 0.843 Ac	4.657									
1099	Brown J M Amusement CO Lois	980000063000	10.34			14521 SF 0.333 Ac	14521 SF 0.333 Ac	10.007									
1100	Brown J M Amusement CO Lois	980000063000	10.34														
1101	McCraw Enterprises LLC	970000009000	2.52		9268 SF 0.213 Ac		9268 SF 0.213 Ac	2.307									
1102	Board of Public Works	970000030000	340.17		1016 SF 0.023 Ac		1016 SF 0.023 Ac	340.147				YES					
1103	Overnite Transportation	970000007000	63.18		132370 SF 3.039 Ac	50346 SF 1.156 Ac	182716 SF 4.195 Ac	0.000	0.000			YES		YES	YES	CONSTRUCTION OF NEW DRIVEWAY	
1104	Petro Max Inc	980000063001	2.26														
1105	Best Auto Sales of Gaffney, LLC	980000064005	4.70									YES	YES	YES	YES		
1105A	Abbott Sign Co	980000064105	0.05									YES					
1106	Roger Huskey Holdings, LLC	980000068000	1.24			1190 SF 0.027 Ac	1190 SF 0.027 Ac	1.213									
1107	Huskey Roger W	980000069000	1.25														
1108	Pooja of South Carolina Inc	980000071001	1.36			59242 SF 1.360 Ac	59242 SF 1.360 Ac	0.000								TOTAL TAKE	
1109	Roger Huskey Holdings, LLC	980000071000	2.01														
1110	Kathleen P Hampton, Carolyn P Anderson, Betty P Cr	980000072000	0.44			19166 SF 0.440 Ac	19166 SF 0.440 Ac	0.000								TOTAL TAKE	
1111	Shah Ansuya D	980000073000	0.90		3539 SF 0.081 Ac	33364 SF 0.766 Ac	36904 SF 0.847 Ac	0.000	0.000							TOTAL TAKE	
1112	Bhanderi Corporation Inc.	980000075000	2.38		43232 SF 0.992 Ac	60603 SF 1.391 Ac	103835 SF 2.384 Ac	0.000	0.000							TOTAL TAKE	
1113	Overnite Transportation CO	970000008000	9.82		34637 SF 0.795 Ac	213547 SF 4.902 Ac	248184 SF 5.698 Ac	2.438	1.684			YES		YES		TEMPORARY R/W 73354.27 SF (1.684 AC)	
1114	DOT	980000077000	0.86		36364 SF 0.835 Ac		36364 SF 0.835 Ac	0.025									
1115	Fred D Mattocks Sr., Trustee and Successors in Trust u	980000078000	0.41		17860 SF 0.410 Ac		17860 SF 0.410 Ac	0.000								TOTAL TAKE	
1116	Abdin George G	980000082001	1.55		35764 SF 0.821 Ac	31726 SF 0.728 Ac	67490 SF 1.549 Ac	0.000	0.000							TOTAL TAKE	
1117	The Pantry Inc.	980000080000	4.24		23784 SF 0.546 Ac	6679 SF 0.153 Ac	30463 SF 0.699 Ac	0.000	0.000			YES			YES		
1117A	Judith H Ruppe and Jennifer R Rogers f/k/a Jennifer R V	980000081000	11.10		5410 SF 0.124 Ac	20114 SF 0.462 Ac	25524 SF 0.586 Ac	3.540	6.974			YES					
1118	Joel Mobley and Barbara Mobley	970000003000	1.90		16112 SF 0.370 Ac	24938 SF 0.572 Ac	41050 SF 0.942 Ac	0.021	0.937					YES			
1119	Seth A Harper	970000004000	5.82		125527 SF 2.882 Ac	47145 SF 1.082 Ac	172672 SF 3.964 Ac	0.000	1.856					YES			
1120	Mr. Waffle and JM Brown Amusement Company Inc.	980000080002	5.79		25239 SF 0.579 Ac	28179 SF 0.647 Ac	53418 SF 1.226 Ac	2.681	1.883					YES			
1121	Benchmark Investment Inc.	1160000042103	1.00		458 SF 0.011 Ac		458 SF 0.011 Ac	0.989				YES					
1122	Patricia Hyatt	1160000042003	14.85		27488 SF 0.631 Ac	27208 SF 0.625 Ac	54696 SF 1.256 Ac	1.058	12.536			YES					
1123	Huskey Bobby Kenneth & Joann C	970000005000	3.56		107252 SF 2.462 Ac	22904 SF 0.526 Ac	130156 SF 2.988 Ac	0.000	0.572								
1124	Keller Mary B	1160000042000	69.03		30313 SF 0.696 Ac	59915 SF 1.375 Ac	90228 SF 2.071 Ac	0.466	66.493							TEMPORARY R/W 10243.06 SF (0.235 AC)	
1125	Joyce C Oates, Donna C Kennedy, Ansie C Hatchette,	970000006001	7.62		37091 SF 0.851 Ac	21650 SF 0.497 Ac	58740 SF 1.348 Ac	6.272	0.000								
1126	Chapman Concrete Products NKA Hardaway Concrete	970000006101	3.38		6170 SF 0.142 Ac		6170 SF 0.142 Ac	3.238									
1127	Abbott Sign Co Inc	970000006002	0.05		2178 SF 0.050 Ac		2178 SF 0.050 Ac	0.000								TOTAL TAKE	
1128	(1/2) Hilda S Chapman, as Trustee of the Hilda S Chapt	970000006003	8.00		2705 SF 0.062 Ac		2705 SF 0.062 Ac	7.938									
1128A	McEntire C Alan	116000001000	30.99														
1129	Abbott Sign Co Inc	970000006005	0.05														
1130	Chapman Hilda Trustee Hilda S	970000003002	0.02														
1131	Chapman Hilda S Trustee Hilda S	970000006004	0.05														
1132	Blackwell Eula J	1160000002000	0.43														

R/W NOTE: THE DEPARTMENT WILL UTILIZE THE PRESENT RIGHT OF WAY AS SHOWN BELOW EXCEPT AS OTHERWISE SHOWN ON PLANS.

ROAD / ROUTE #	FILE #	R/W WIDTH	YEAR ACQ'D.

NOTES:
A. SHOW REMAINDER IN SQUARE FEET WHEN LESS THAN 0.25 ACRE.

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RIGHT-OF-WAY DATA SHEET

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE/ROAD NO.	SHEET NO.
3	S.C.	SPARTANBURG/CHEROKEE	P027114	I-85	4D

TRACT NO.	PROPERTY OWNER	TAX MAP REFERENCE	TOTAL TRACT ACRES	OBTAIN				REMAINDER LEFT ACRES ^A	REMAINDER RIGHT ACRES ^A	DATE ACQUIRED	TYPE OF INSTRUMENT	PERMISSION (YES)					REMARKS
				OUTFALL DITCH	LEFT	RIGHT	TOTAL					OUTFALL DITCH	SLOPE	DRAINAGE STRUCTURE	EROSION CONTROL	ENTRANCE CONSTRUCTION	
1133	Hyder Christine	116000003000	1.90														
1134	Harrison Donna Earls	116000004000	0.62														
1135	Harrison Donna Earls	116000005000	0.65														
1136	Randolph Phillip B	1160000042001	20.12														
1137	Slaten Edward T Jr & Diane P	116000006000	1.80														
1138	Jonas Lloyd	116000007000	1.03														
1139	Larson Perry B	116000008000	1.86														
1140	Martin Leon Roger	116000009000	8.00														
1141	Laughlin Lawrence & Sara Jean	1160000041000	6.78														
1142	Elliott Diane M	116000009004	8.00														
1143	Benchmark Investment Inc.	1160000041002	6.78														
1144	Benchmark Investment Inc.	1160000041001	1.28														
1145	Martin Bruce Wayne L/EST Then	116000009002	4.63														
1146	Daisy Outdoor Advertising CO	116000009005	0.07														
1147	Jacobs Jeanette	1160000041003	1.60														
1148	Morgan Lori	116000010000	6.30														
1149	Grigg Betty Wood	116000012001	0.50														
1150	Betty Wood Grigg	116000012000	0.90		684 SF 0.016 Ac		684 SF 0.016 Ac	0.884									
1151	Meadowcreek Gaffney LLC	1160000049014	45.97														
1152	Carolina Entertainment Inc.	1160000013000	0.41		684 SF 0.016 Ac		684 SF 0.016 Ac	0.394									
1153	Simmons Richard E & Diane	1160000014000	0.70		1178 SF 0.027 Ac		1178 SF 0.027 Ac	0.673									
1154	Fallon Holdings, LLC	1160000049004	5.73			8336 SF 0.191 Ac	8336 SF 0.191 Ac	5.539									
1155	Wilson Joe D B	1160000017000	4.00		1770 SF 0.041 Ac		1770 SF 0.041 Ac	3.959			YES			YES			
1156	McEntire Christopher Alan	1160000018000	6.18		6923 SF 0.159 Ac		6923 SF 0.159 Ac	6.021			YES						
1157	Spurin Patricia M	1160000019002	3.84		10746 SF 0.247 Ac	7723 SF 0.177 Ac	18468 SF 0.424 Ac	3.416	0.000								
1158	Albert Stevens	1160000019001	6.25		31731 SF 0.728 Ac	97804 SF 2.245 Ac	129535 SF 2.974 Ac	0.802	2.474		YES						
1160	Frances S Wall (1/2) and Donald V Myers (1/2)	1160000028002	41.25		456529 SF 10.480 Ac	55768 SF 1.280 Ac	512298 SF 11.761 Ac	29.489	0.000		YES		YES				
1162	Buff Ronald Garland & Vickie G	1160000037005	1.50			5055 SF 0.116 Ac	5055 SF 0.116 Ac	1.384									
1164	Gault Mary T	1160000037002	81.17														
1165	Gault Mary T	1160000045000	0.37			1323 SF 0.030 Ac	1323 SF 0.030 Ac	0.340									
1166	Lenmons Joe Dean Jr. & Sr	1160000052000	5.03														
1167	Transou Joshua C & Leila N	1160000034000	9.64		13992 SF 0.321 Ac		13992 SF 0.321 Ac	9.319									
1168	Fowler John Oliver	1160000035000	1.00														
1169	Bill Carson, LLC	1350000004000	244.68		55886 SF 1.283 Ac		55886 SF 1.283 Ac	243.397			YES		YES				
1170	Wilson Diane H	1350000004100	43.99			2428 SF 0.056 Ac	2428 SF 0.056 Ac	43.934									
1171	Broad River Ventures LLC	1350000004002	86.56								YES		YES				
1173	Miller Ronald Kenneth & Mark	980000060000	68.75		23761 SF 0.545 Ac		23761 SF 0.545 Ac	68.205			YES		YES				
1174	McAbee Trucking Inc.	980000086000	8.86			3732 SF 0.086 Ac	3732 SF 0.086 Ac	8.774									
1175	Hardison Connie Fay	980000084000	2.50			20487 SF 0.470 Ac	20487 SF 0.470 Ac	2.030			YES		YES				
1176	Henderson Steve	980000083000	14.79		34118 SF 0.783 Ac	55715 SF 1.279 Ac	89833 SF 2.062 Ac	0.477	12.251		YES		YES				
1177	Sarratt Steven G	980000079000	4.28		15662 SF 0.360 Ac	8378 SF 0.192 Ac	24040 SF 0.552 Ac	0.000	3.697				YES	YES			
1178	Sarratt Steven G	980000079001	0.60			3984 SF 0.091 Ac	3984 SF 0.091 Ac	0.509							YES		
1179	Sharon L Commanda (8/30), Donald E Moore, Jr. (8/30)	980000074000	1.51			4648 SF 0.107 Ac	4648 SF 0.107 Ac	1.403						YES			
1180	Victory Christian Fellowship	980000074001	6.17		14667 SF 0.337 Ac		14667 SF 0.337 Ac	5.833			YES		YES	YES		DRIVEWAY	
1181	Shah D P & A D	980000075001	1.53			10925 SF 0.251 Ac	42337 SF 0.972 Ac	0.000	0.558				YES				

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ROAD / ROUTE #	FILE #	R/W WIDTH	YEAR ACQ'D.

NOTES:
A. SHOW REMAINDER IN SQUARE FEET WHEN LESS THAN 0.25 ACRE.

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RIGHT-OF-WAY DATA SHEET

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE/ROAD NO.	SHEET NO.
3	S.C.	SPARTANBURG/CHEROKEE	P02714	I-85	4E

TRACT NO.	PROPERTY OWNER	TAX MAP REFERENCE	TOTAL TRACT ACRES	OBTAIN				REMAINDER LEFT ACRES ^A	REMAINDER RIGHT ACRES ^A	DATE ACQUIRED	TYPE OF INSTRUMENT	PERMISSION (YES)					REMARKS
				OUTFALL DITCH	LEFT	RIGHT	TOTAL					OUTFALL DITCH	SLOPE	DRAINAGE STRUCTURE	EROSION CONTROL	ENTRANCE CONSTRUCTION	
1182	Ruppe Judith H	980000082000	21.58		37547 SF <i>0.862 Ac</i>	33755 SF <i>0.775 Ac</i>	71302 SF <i>1.637 Ac</i>	5.659	14.284			YES					
1183	Board of Public Works	970000030000	340.17			84987 SF <i>1.951 Ac</i>	84987 SF <i>1.951 Ac</i>		338.219								
1185	Board of Public Works	970000030000	340.17														
1186	Parker Hughey C Jr & Johnny M	116000001002	44.11														
1187	Meadowcreek Gaffney LLC	1160000049009	36.03									YES		YES			
1188	Meadowcreek Gaffney LLC	1160000049013	5.78														
1189	Gault Mary T	1160000038000	5.69														
1190	Buff Ronakl Garland & Vickie G	1160000037004	32.59		32545 SF <i>0.747 Ac</i>	22366 SF <i>0.513 Ac</i>	54911 SF <i>1.261 Ac</i>	3.497	27.833			YES					
1191	Meadowcreek Gaffney LLC	1160000049014	45.37			10192 SF <i>0.234 Ac</i>	10192 SF <i>0.234 Ac</i>		45.136				YES				
1192	Meadowcreek Gaffney LLC	1160000049012	2.69			109241 SF <i>2.508 Ac</i>	109241 SF <i>2.508 Ac</i>		0.182								
1193	Spurin Patricia M	1160000037003	2.00														
1194	Spurin Patricia M	1160000036000	1.50			3984 SF <i>0.091 Ac</i>	3984 SF <i>0.091 Ac</i>		1.409			YES					
1195	Meadowcreek Gaffney LLC	1160000049011	3.06		27072 SF <i>0.621 Ac</i>	15144 SF <i>0.348 Ac</i>	42216 SF <i>0.969 Ac</i>	2.091	0.000								
1196	Wall Frances S & Donald P	1160000028002	41.25									YES		YES			
1197	1885 Properties LLC	1160000028003	18.15		29860 SF <i>0.685 Ac</i>	67608 SF <i>1.552 Ac</i>	97469 SF <i>2.238 Ac</i>	12.492	3.420								
1198	Sherard Odessa Est	1160000020000	1.11														
1199	Batchler Ronnie E	1160000019000	4.79		13049 SF <i>0.300 Ac</i>		13049 SF <i>0.300 Ac</i>	4.490									
1200	Beverly S Ward, Lana Brooke Ward, Brett Patrick Ward	1160000021000	14.61		61465 SF <i>1.411 Ac</i>	34678 SF <i>0.796 Ac</i>	96142 SF <i>2.207 Ac</i>	10.566	1.837			YES					
1201	Northeast Fellowship Church/TR	1160000022004	7.00														
1202	Upchurch Ricky David	1160000025000	1.90														
1203	Griffin Linda	1160000025001	0.70									YES	YES		YES		
1204	Swad David J	1160000024000	2.00									YES	YES		YES		
1205	McDowell Sara	1160000032001	10.45														
1207	Abbott Sign Co Inc	800000059001	0.12														
1208	Abbott Sign Co.	800000006001	0.05														
1209	Abbott Sign Co Inc	800000142000	0.07														
1210	JM Brown Revocable Trust	98000067000	10.10											YES	YES		
1211	Joe Harrill Wallace aka Harrill Wallace, Ronnie E Walla	980000070000	6.00			2981 SF <i>0.068 Ac</i>	2981 SF <i>0.068 Ac</i>		5.932					YES			

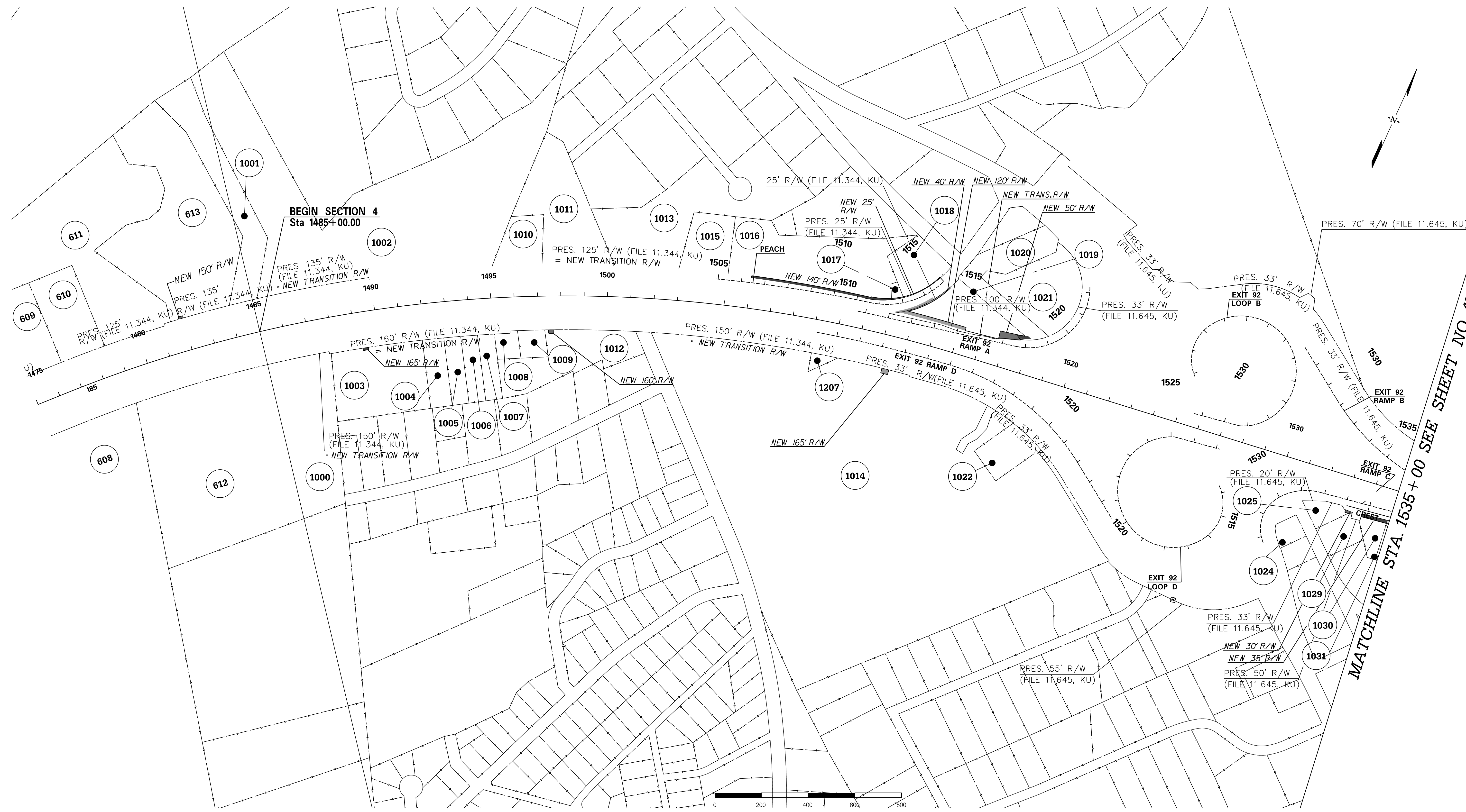
R/W NOTE: THE DEPARTMENT WILL UTILIZE THE PRESENT RIGHT OF WAY AS SHOWN BELOW EXCEPT AS OTHERWISE SHOWN ON PLANS.

ROAD / ROUTE #	FILE #	R/W WIDTH	YEAR ACQ'D.

NOTES:
A. SHOW REMAINDER IN SQUARE FEET WHEN LESS THAN 0.25 ACRE.

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FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	CHEROKEE SPARTANBURG	P027114	INTERSTATE 85	4E



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**PRELIMINARY
NOT FOR CONSTRUCTION**

SCALE: 1" = 200'

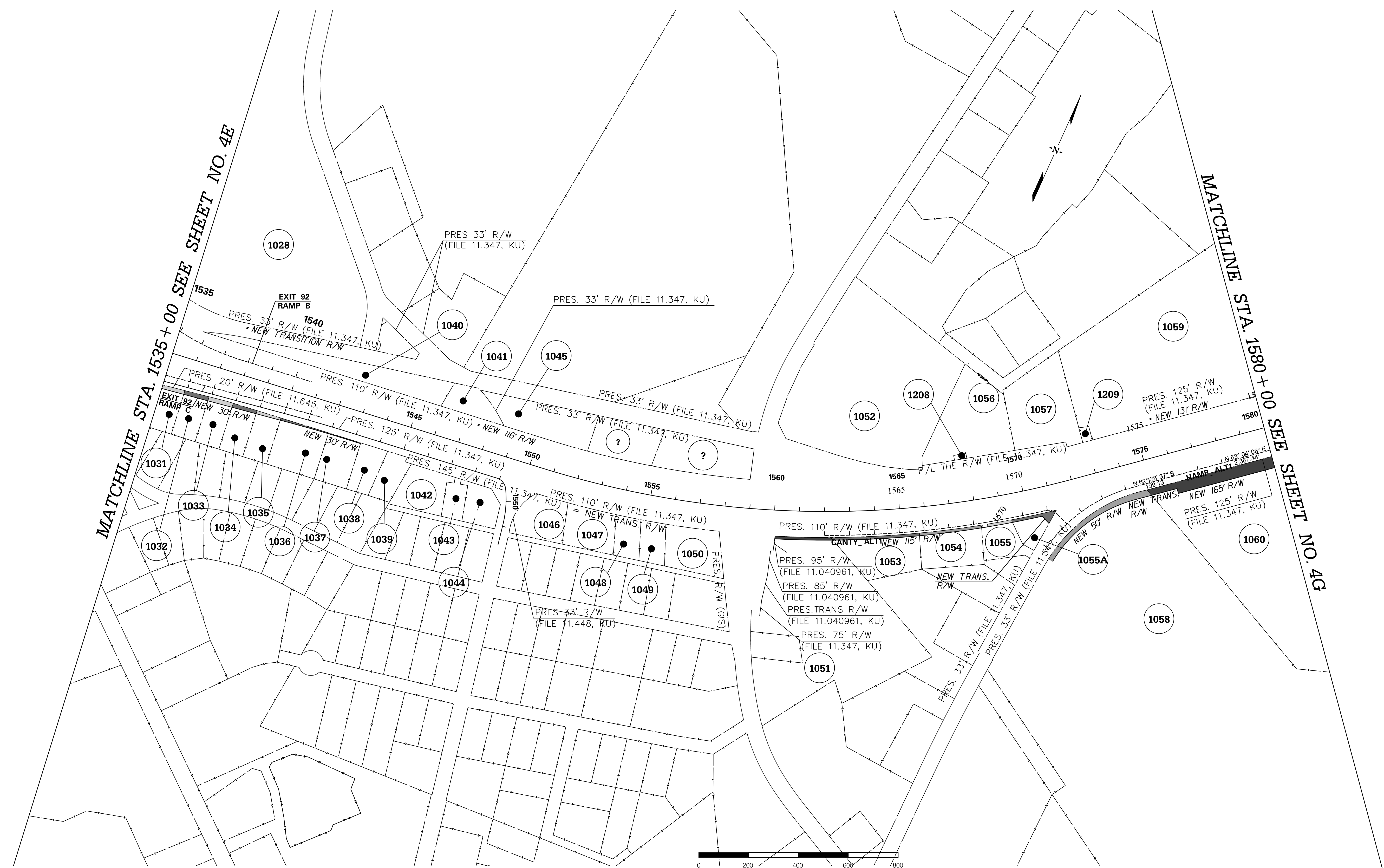
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SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

PROPERTY STRIP MAP

INTERSTATE 85 MILE MARKER 90-97
SECTION 4

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	CHEROKEE SPARTANBURG	P027114	INTERSTATE 85	4F



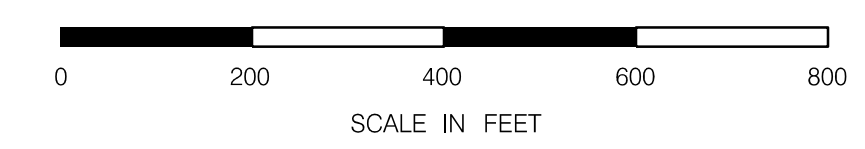
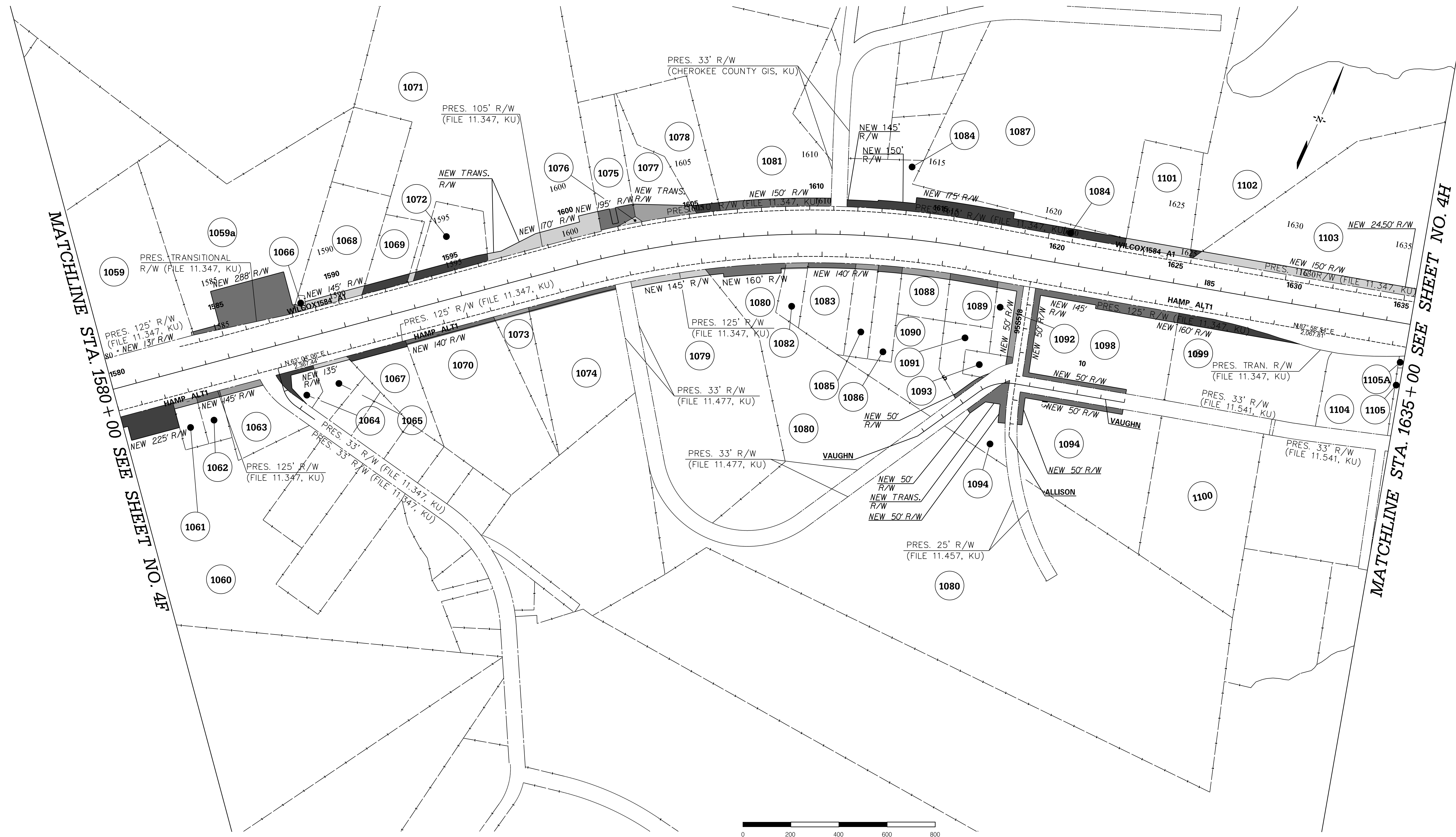
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SCALE: 1" = 200'	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
 INTERSTATE 85
 PROPERTY STRIP MAP
 INTERSTATE 85 MILE MARKER 90-97
 SECTION 4

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	CHEROKEE SPARTANBURG	P027114	INTERSTATE 85	4G

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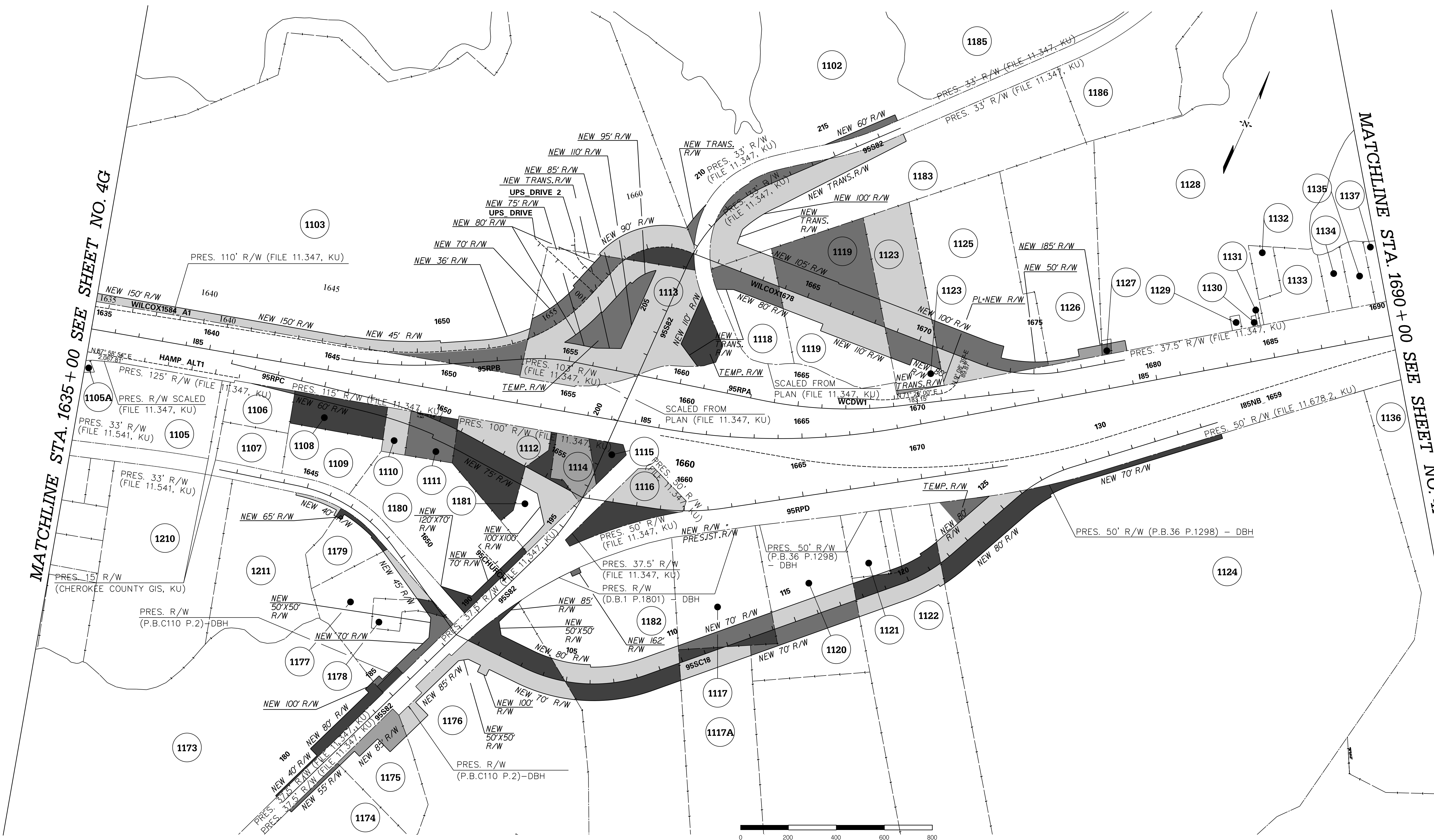
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SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

PROPERTY STRIP MAP

INTERSTATE 85 MILE MARKER 90-97
SECTION 4

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	CHEROKEE SPARTANBURG	P027114	INTERSTATE 85	4H



PRELIMINARY
NOT FOR CONSTRUCTION

SCALE: 1" = 200'

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

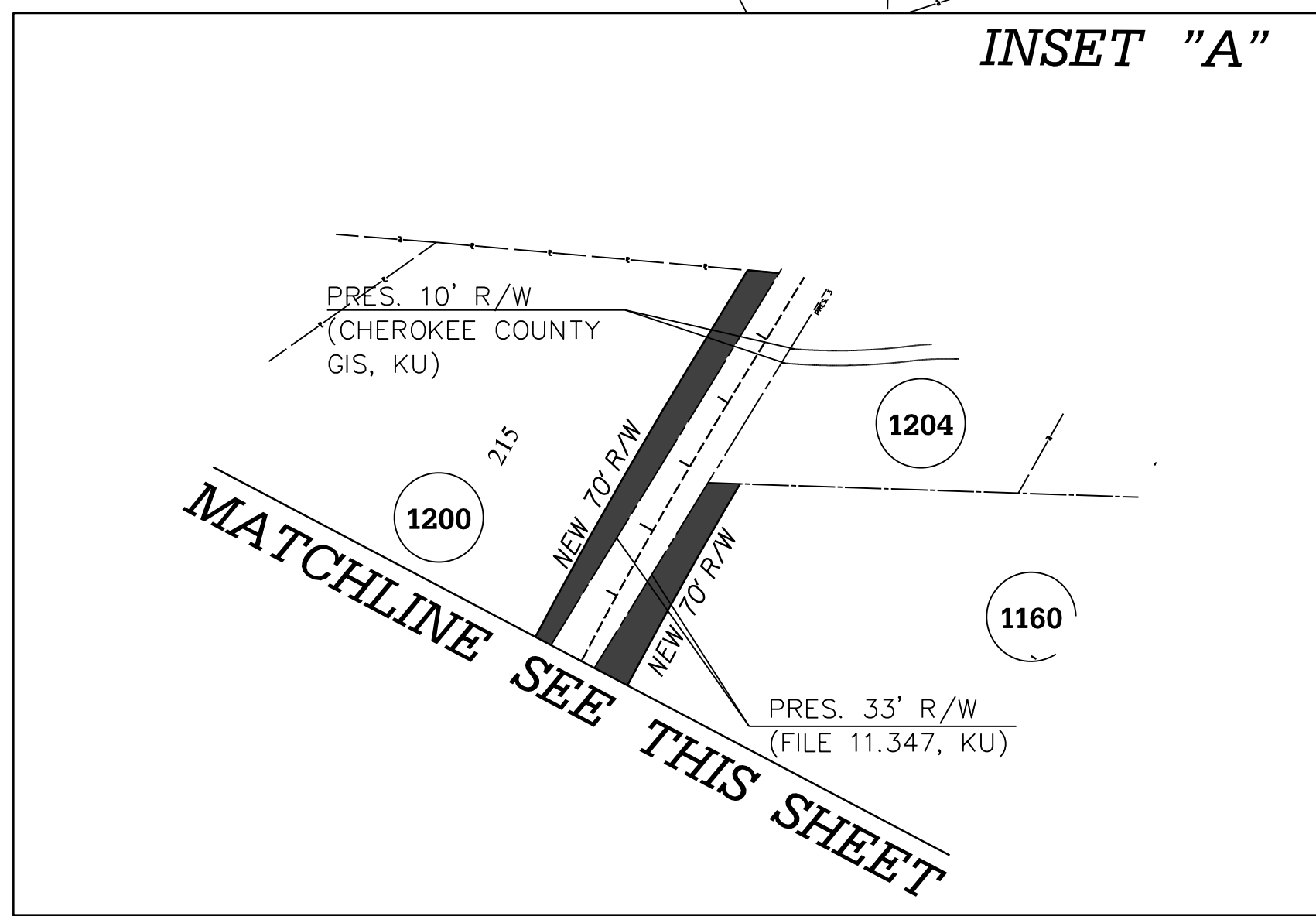
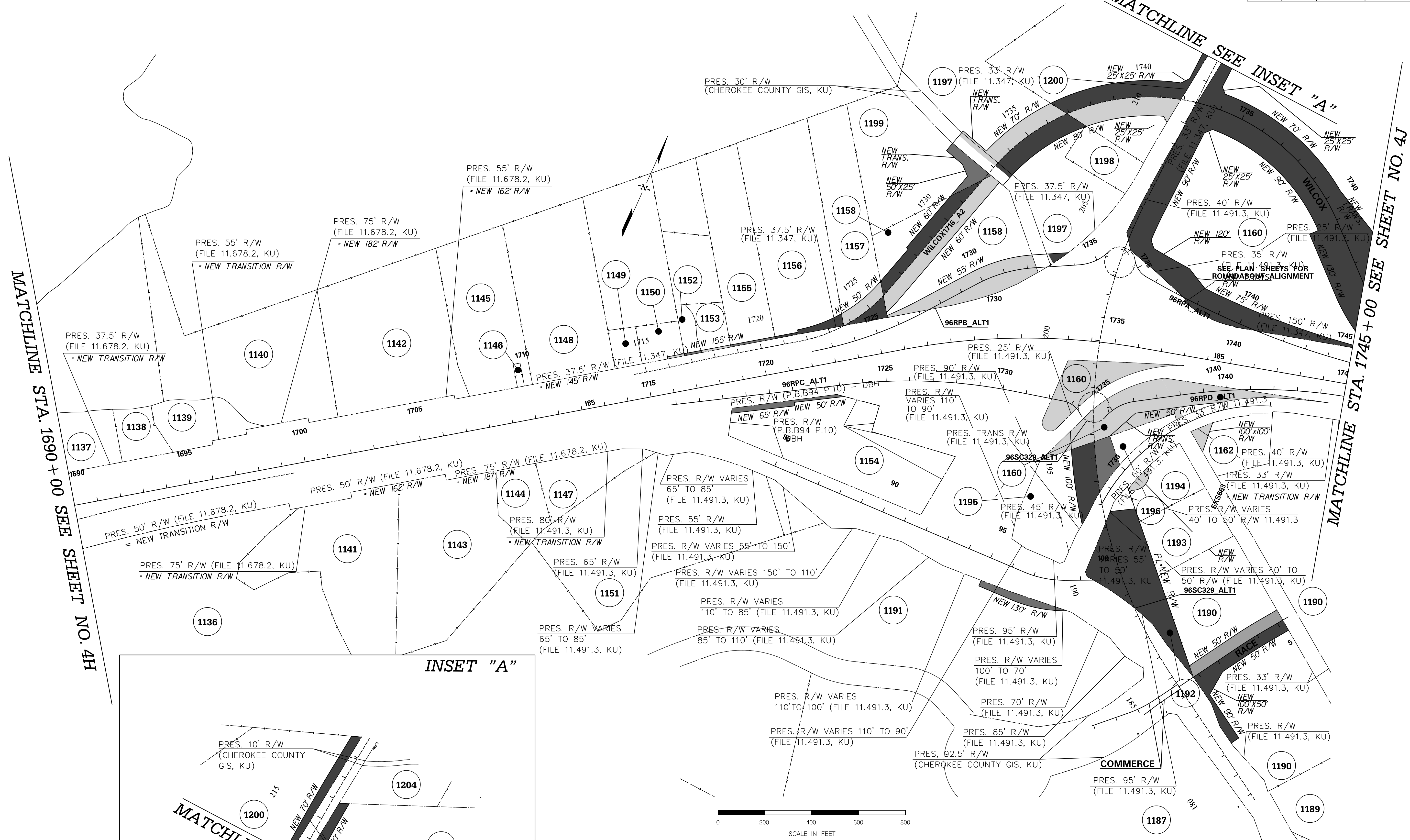
PROPERTY STRIP MAP

INTERSTATE 85 MILE MARKER 90-97
SECTION 4

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MATCHLINE STA. 1690+00 SEE SHEET NO. 4H

MATCHLINE STA. 1745+00 SEE SHEET NO. 4J



PRELIMINARY NOT FOR CONSTRUCTION			
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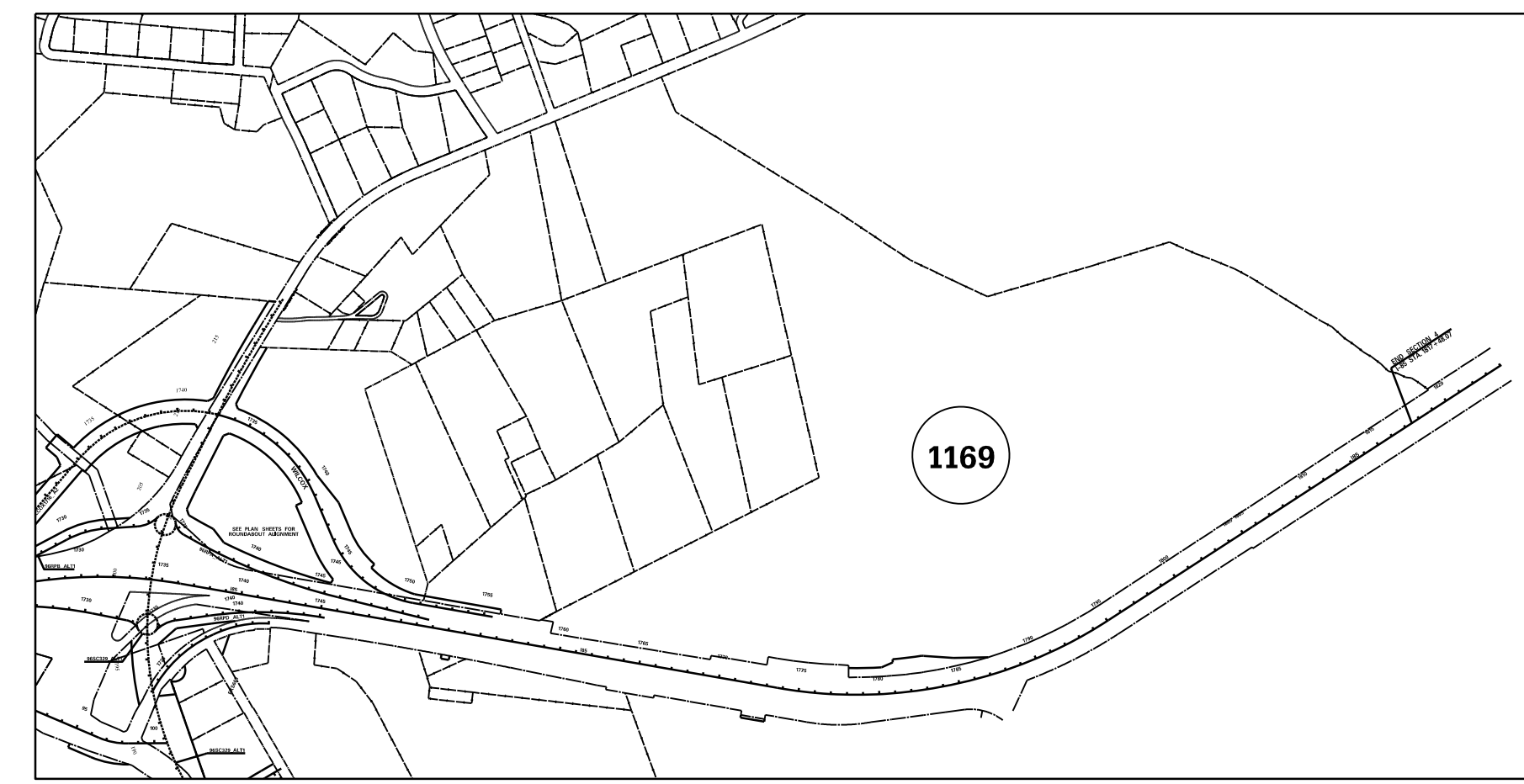
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

PROPERTY STRIP MAP

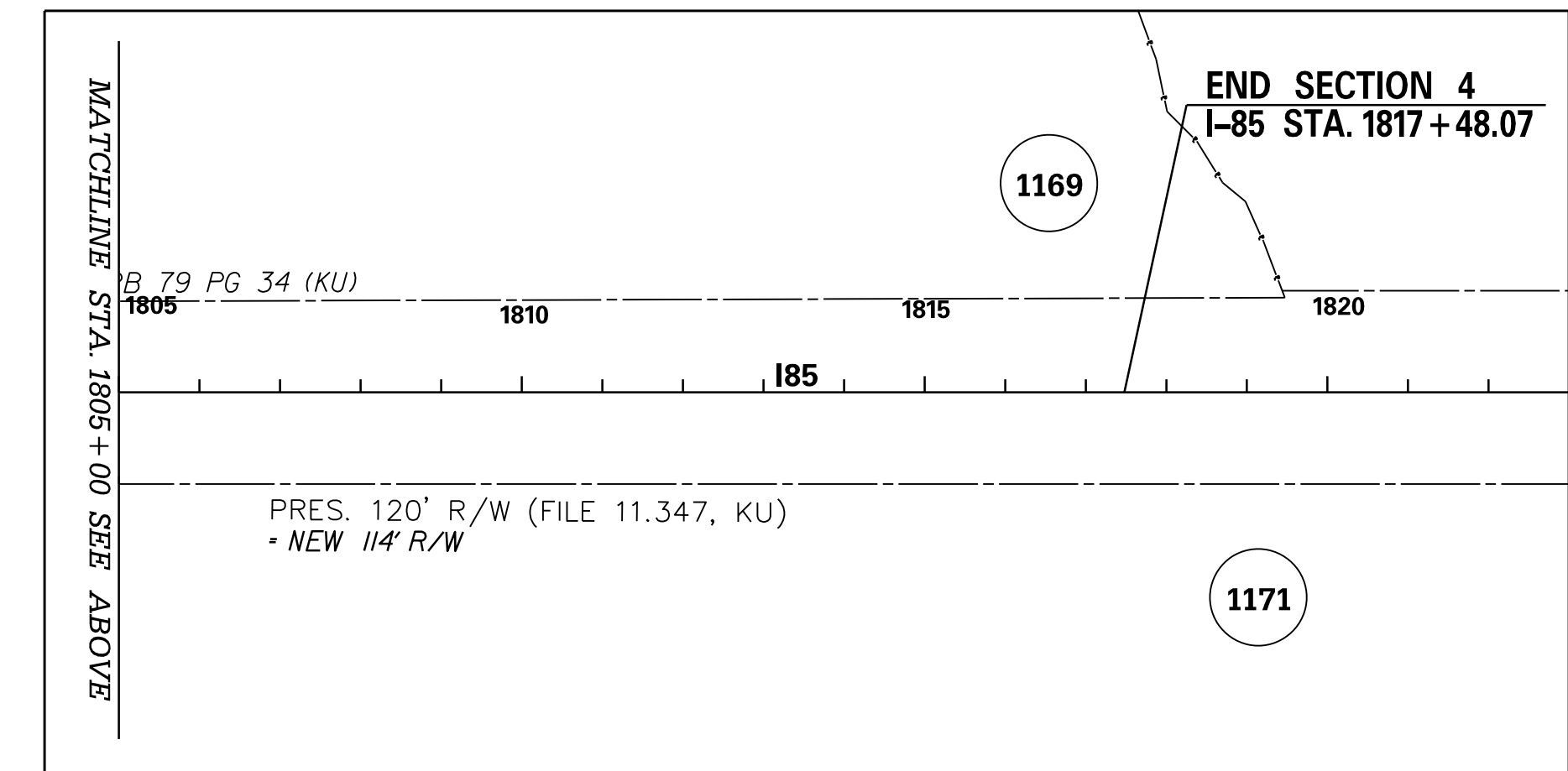
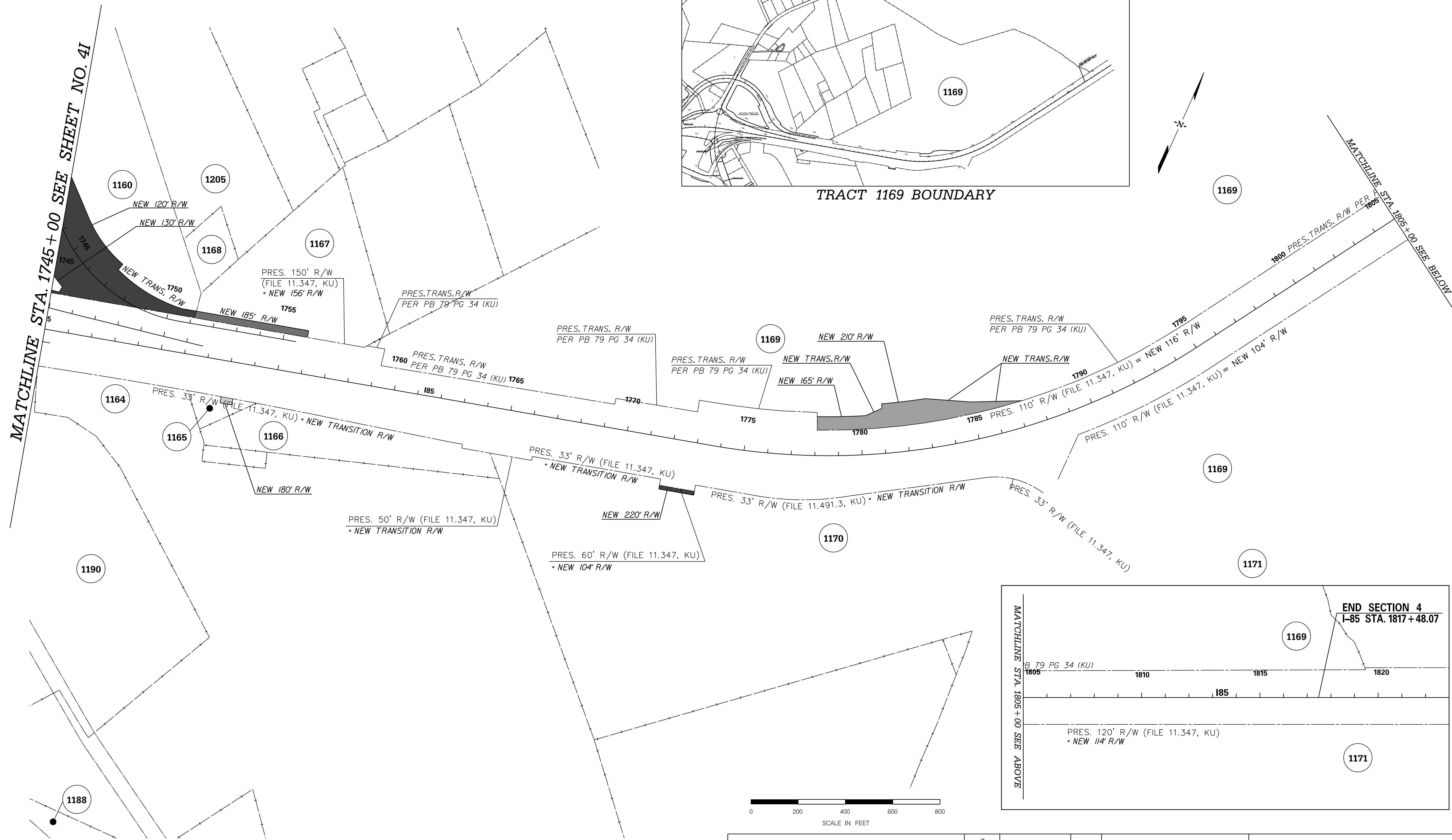
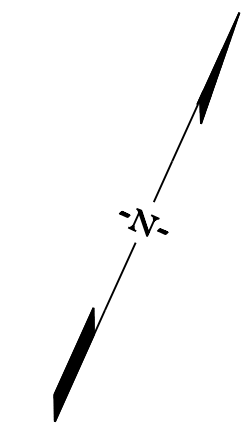
INTERSTATE 85 MILE MARKER 90-97
SECTION 4

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FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	CHEROKEE SPARTANBURG	P027114	INTERSTATE 85	4J



TRACT 1169 BOUNDARY



<p>PRELIMINARY NOT FOR CONSTRUCTION</p> <p>SCALE: 1" = 200'</p>	7				
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SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

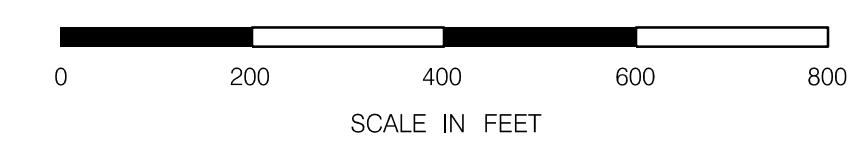
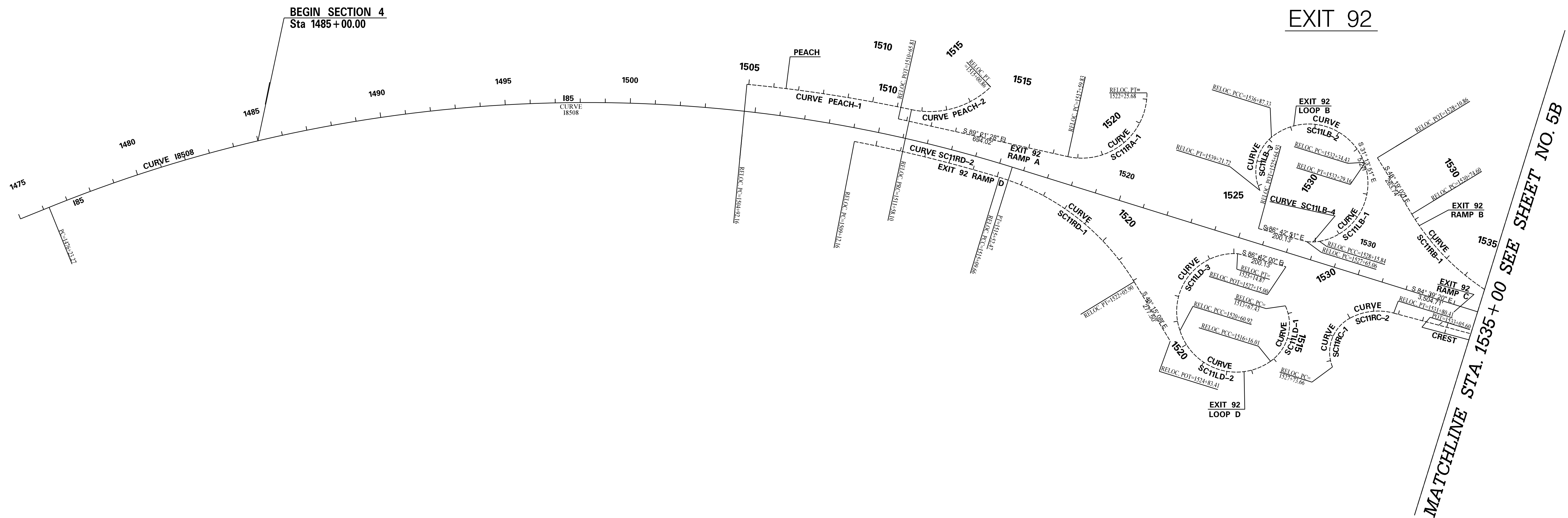
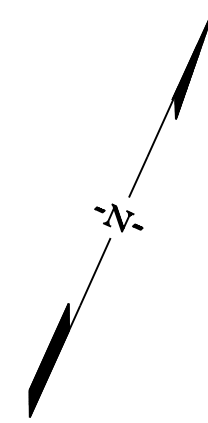
PROPERTY STRIP MAP

INTERSTATE 85 MILE MARKER 90-97
SECTION 4

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FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	CHEROKEE SPARTANBURG	P027114	INTERSTATE 85	5A

PROPOSED



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SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

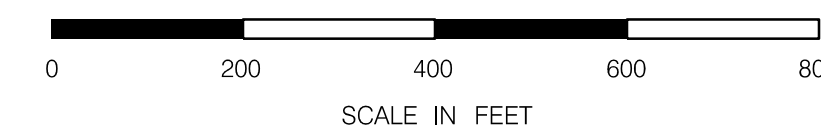
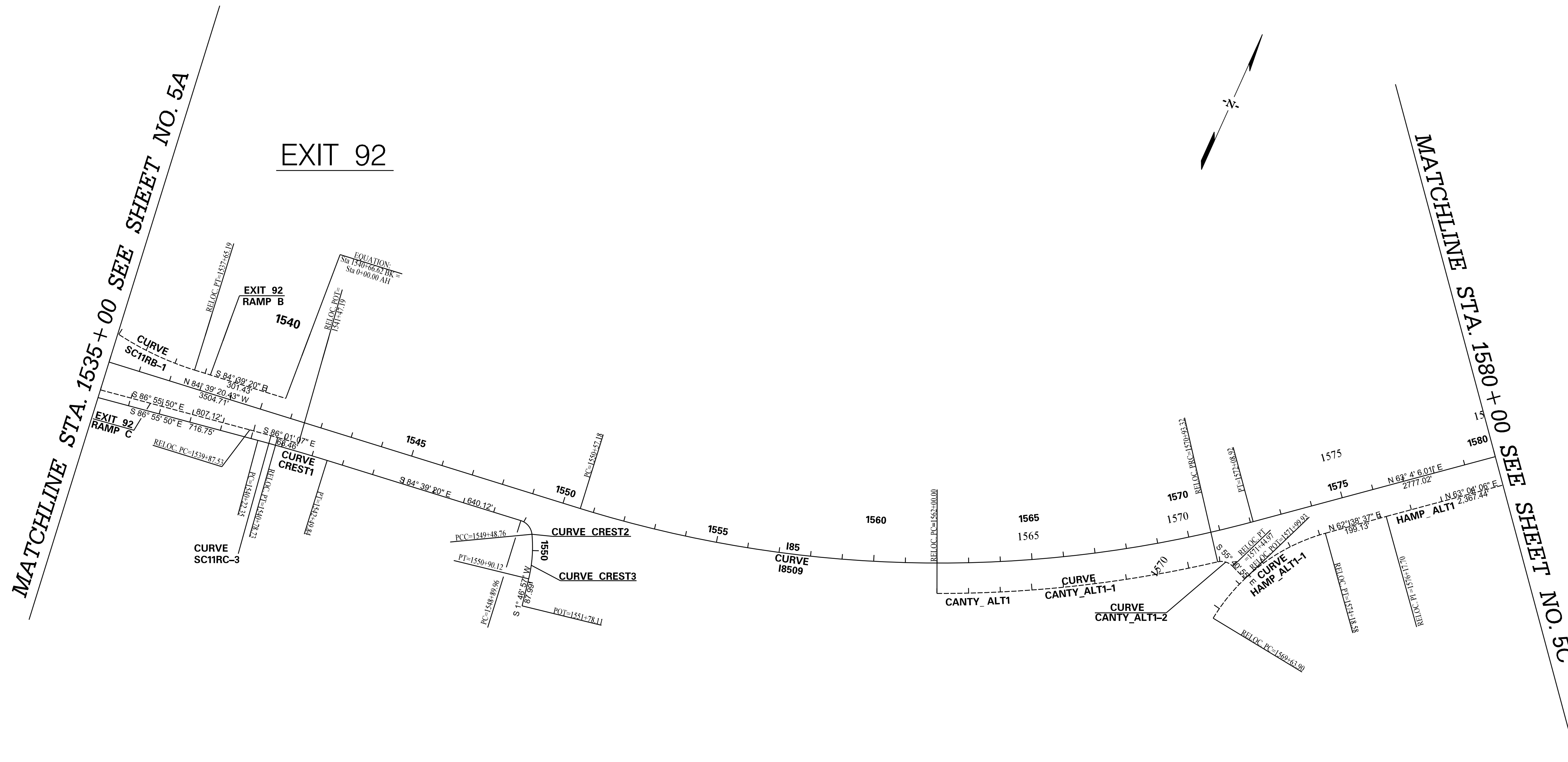
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INTERSTATE 85 MILE MARKER 90-97
SECTION 4

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PROPOSED

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	CHEROKEE SPARTANBURG	P027114	INTERSTATE 85	5B



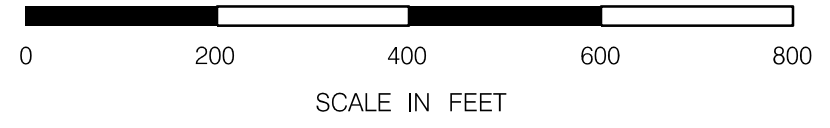
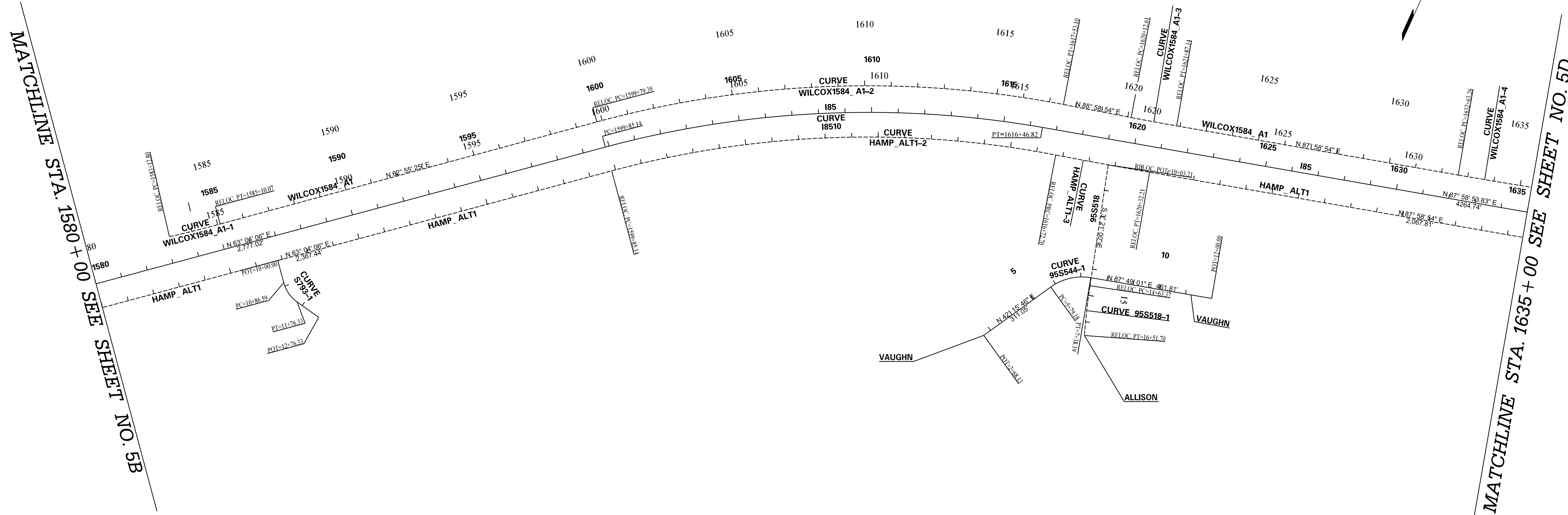
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INTERSTATE 85 MILE MARKER 90-97 SECTION 4

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PROPOSED

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	CHEROKEE SPARTANBURG	P027114	INTERSTATE 85	5C



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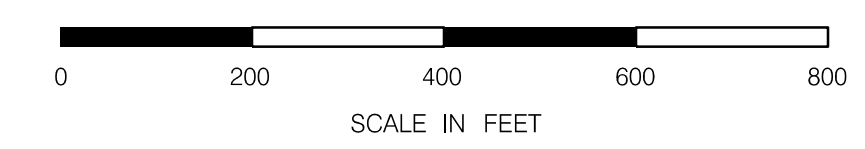
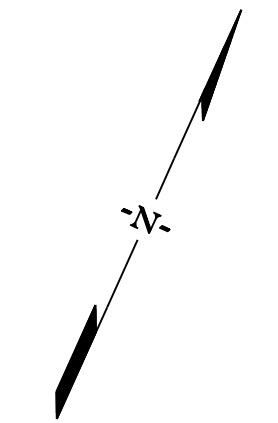
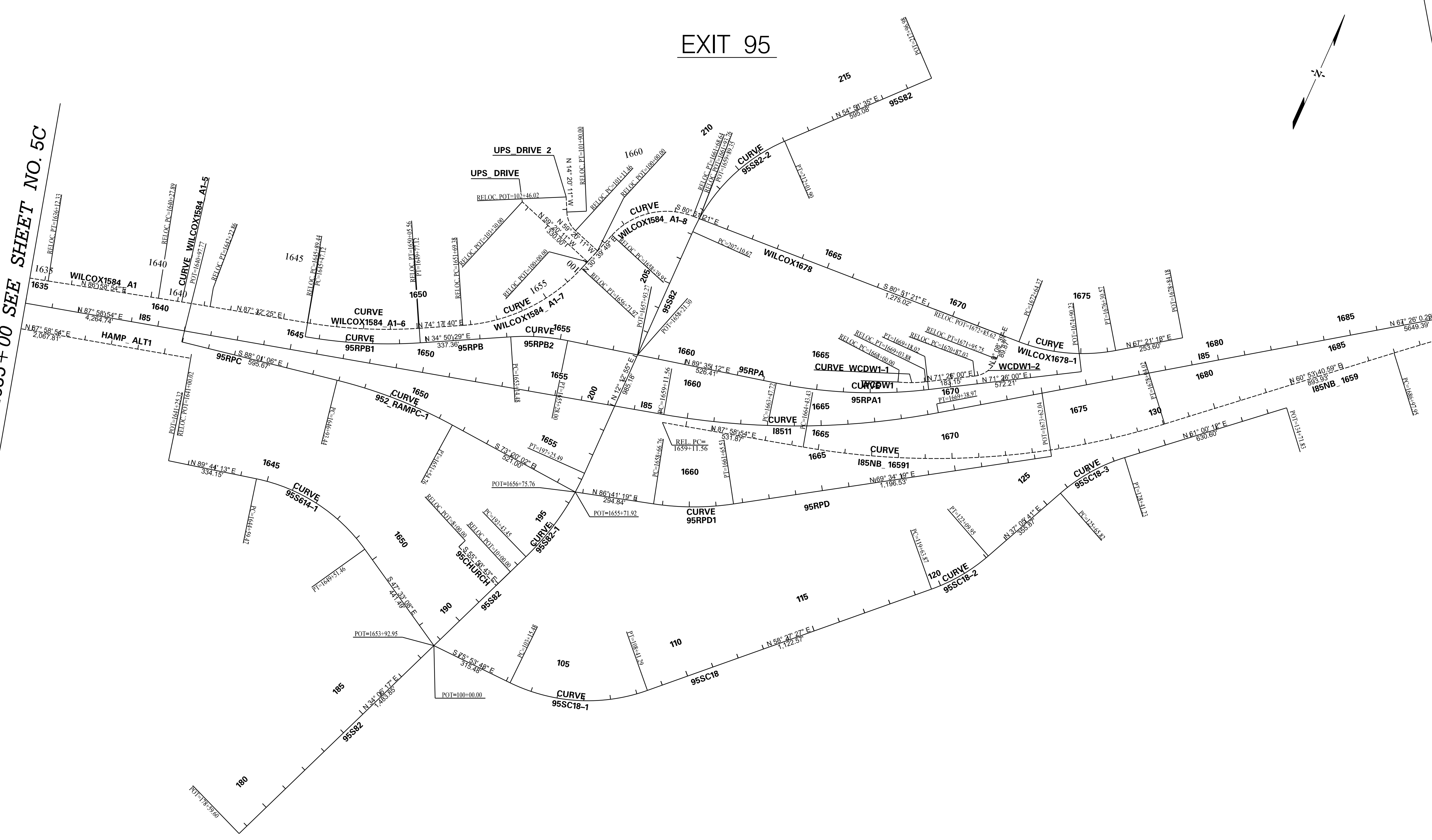
FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	CHEROKEE SPARTANBURG	P027114	INTERSTATE 85	5D

PROPOSED

EXIT 95

MATCHLINE STA. 1635 + 00 SEE SHEET NO. 5C

MATCHLINE STA. 1690 + 00 SEE SHEET NO. 5E



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SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

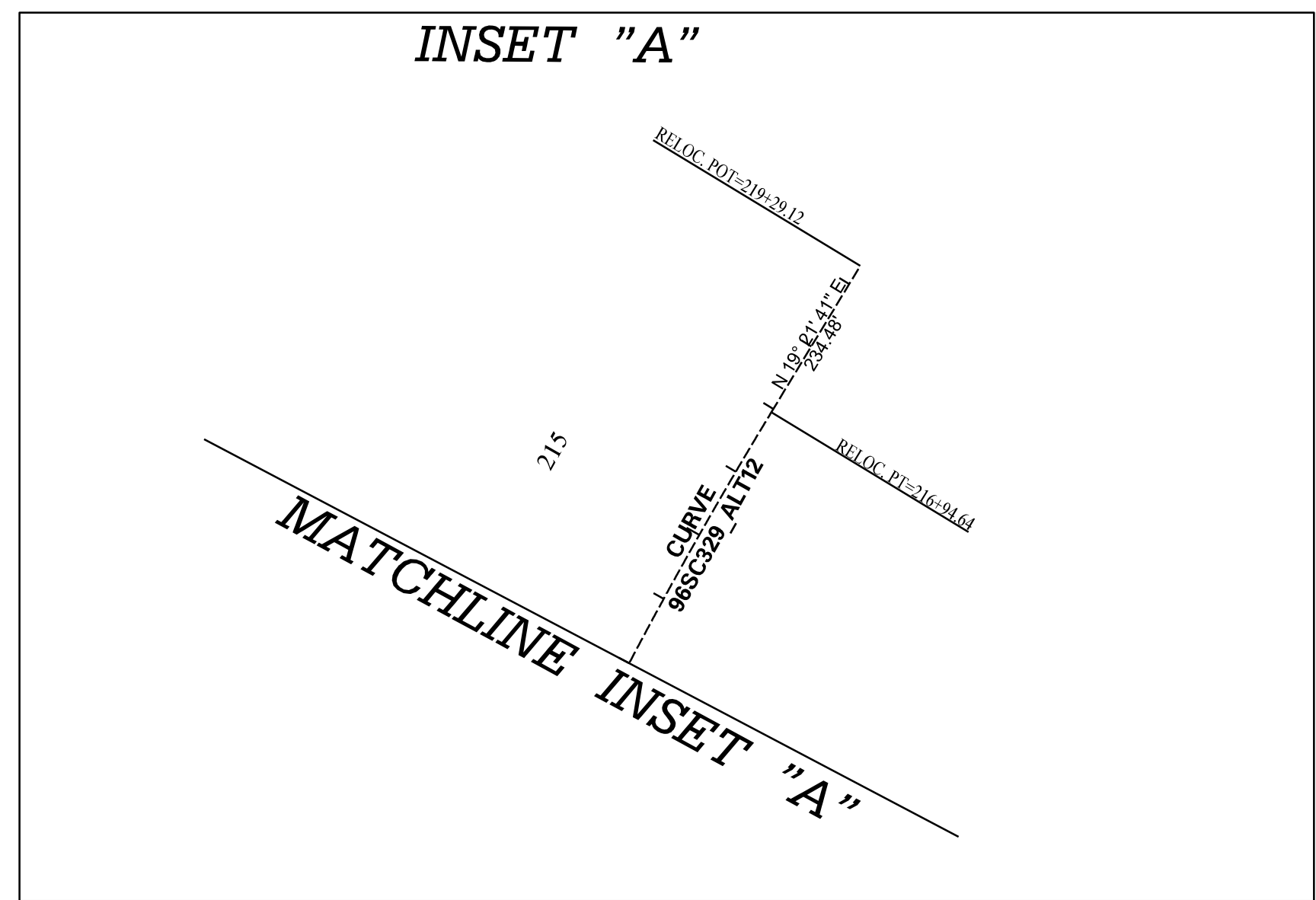
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INTERSTATE 85 MILE MARKER 90-97
SECTION 4

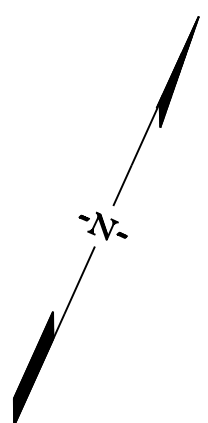
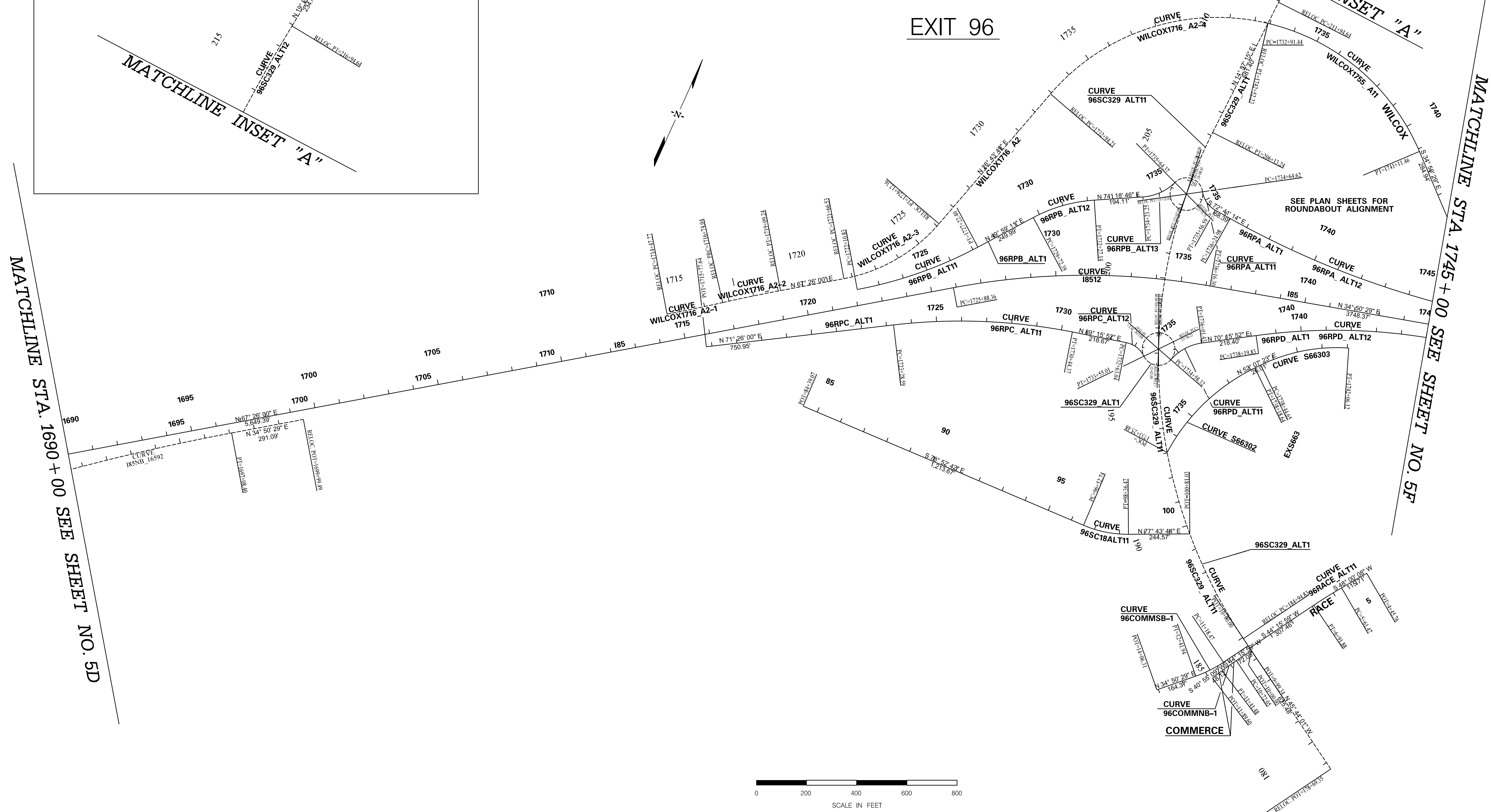
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FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	CHEROKEE SPARTANBURG	P027114	INTERSTATE 85	5E

PROPOSED



MATCHLINE STA. 1690 + 00 SEE SHEET NO. 5D



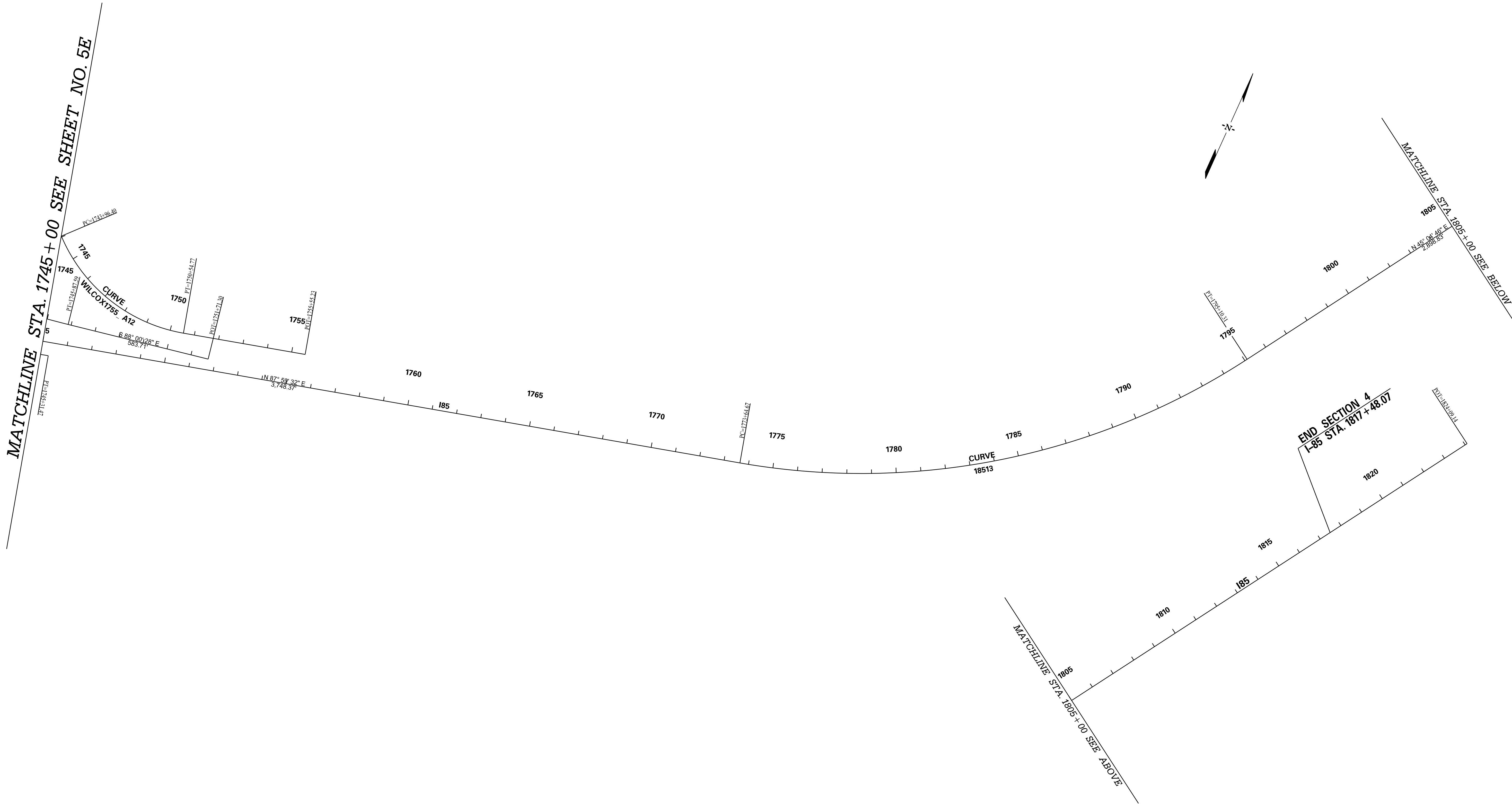
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PROPOSED

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	CHEROKEE SPARTANBURG	P027114	INTERSTATE 85	5F

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**PRELIMINARY
NOT FOR CONSTRUCTION**

SCALE: 1" = 200'

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

REFERENCE DATA SHEET

INTERSTATE 85 MILE MARKER 90-97
SECTION 4

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	CHESTERFIELD SPARTANBURG	P027114	INTERSTATE 85	5G

PROPOSED DATA

Beginning chain I85 description

Course from PT I8507 to PC I8508 N 56° 03' 08.50" E Dist 7,432.0620

Curve Data
 Curve I8508
 P.I. Station = 1496+68.67 N 1,188,495.8880 E 1,796,934.6363
 Delta = 39° 17' 31.07" (RT)
 Degree = 1° 00' 00.00"
 Tangent = 2,045.3936
 Length = 3,929.1963
 Radius = 5,729.5780
 External = 354.1461
 Long Chord = 3,852.6540
 Mid. Ord. = 333.5305
 P.C. Station = 1476+23.27 N 1,187,353.6686 E 1,795,237.8836
 P.T. Station = 1515+52.47 N 1,188,305.3783 E 1,798,971.1385
 C.C. = N 1,182,600.7072 E 1,798,437.4807
 Back = N 56° 03' 08.50" E
 Ahead = S 84° 39' 20.43" E
 Chord Bear = N 75° 41' 54.03" E
 DS = 65 MPH
 e (max) = 8.0%
 e = 3.2%
 PC-LG% = 0.50%
 PT-LG% = 0.50%

Course from PT I8508 to PC I8509 S 84° 39' 20.43" E Dist 3,504.7116

Curve Data
 Curve I8509
 P.I. Station = 1561+62.43 N 1,187,876.0026 E 1,803,561.0599
 Delta = 32° 16' 33.56" (LT)
 Degree = 1° 30' 00.00"
 Tangent = 1,105.2496
 Length = 2,151.7326
 Radius = 3,819.7186
 External = 156.6902
 Long Chord = 2,123.3946
 Mid. Ord. = 150.5158
 P.C. Station = 1550+57.18 N 1,187,978.9465 E 1,802,460.6149
 P.T. Station = 1572+08.92 N 1,188,376.8005 E 1,804,546.4423
 C.C. = N 1,191,782.0606 E 1,802,816.3868
 Back = S 84° 39' 20.43" E
 Ahead = N 63° 04' 06.01" E
 Chord Bear = N 79° 12' 22.79" E
 DS = 65 MPH
 e (max) = 8.0%
 e = 4.6%
 PC-LG% = 0.50%
 PT-LG% = 0.50%

Course from PT I8509 to PC I8510 N 63° 04' 06.01" E Dist 2,777.0186

Curve Data
 Curve I8510
 P.I. Station = 1608+29.71 N 1,190,016.5593 E 1,807,774.5550
 Delta = 24° 54' 47.82" (RT)
 Degree = 1° 30' 00.00"
 Tangent = 843.7791
 Length = 1,660.8855
 Radius = 3,819.7186
 External = 92.0858
 Long Chord = 1,647.8323
 Mid. Ord. = 89.9180
 P.C. Station = 1599+85.93 N 1,189,634.3886 E 1,807,022.2859
 P.T. Station = 1616+46.82 N 1,190,046.2773 E 1,808,617.8106
 C.C. = N 1,186,228.9285 E 1,808,752.3415
 Back = N 63° 04' 06.01" E
 Ahead = N 87° 58' 53.83" E
 Chord Bear = N 75° 31' 29.92" E
 DS = 65 MPH
 e (max) = 8.0%
 e = 4.6%
 PC-LG% = 0.50%
 PT-LG% = 0.50%

Course from PT I8510 to PC I8511 N 87° 58' 53.83" E Dist 4,264.7437

Curve Data
 Curve I8511
 P.I. Station = 1664+30.85 N 1,190,214.7713 E 1,813,398.8690
 Delta = 20° 32' 53.54" (LT)
 Degree = 2° 00' 00.00"
 Tangent = 519.2829
 Length = 1,027.4103
 Radius = 2,864.7890
 External = 46.6833
 Long Chord = 1,021.9131
 Mid. Ord. = 45.9347
 P.C. Station = 1659+11.56 N 1,190,196.4821 E 1,812,879.9083
 P.T. Station = 1669+38.97 N 1,190,414.0497 E 1,813,878.3926
 C.C. = N 1,193,059.4937 E 1,812,779.0102
 Back = N 87° 58' 53.83" E
 Ahead = N 67° 26' 00.29" E
 Chord Bear = N 77° 42' 27.06" E
 DS = 65 MPH
 e (max) = 8.0%
 e = 5.80%
 PC-LG% = 0.50%
 PT-LG% = 0.50%

NOTE:
CURVE APPLIES TO I-85 SB ONLY

Course from PT I8511 to PC I8512 N 67° 26' 00.29" E Dist 5,649.3855

Curve Data
 Curve I8512
 P.I. Station = 1731+07.92 N 1,192,781.4239 E 1,819,575.0054
 Delta = 20° 33' 31.83" (RT)
 Degree = 2° 00' 00.00"
 Tangent = 519.5575
 Length = 1,027.9420
 Radius = 2,864.7890
 External = 46.7323
 Long Chord = 1,022.4364
 Mid. Ord. = 45.9822
 P.C. Station = 1725+88.36 N 1,192,582.0401 E 1,819,095.2283
 P.T. Station = 1736+16.30 N 1,192,799.6264 E 1,820,094.2439
 C.C. = N 1,189,936.5961 E 1,820,194.6107
 Back = N 67° 26' 00.29" E
 Ahead = N 87° 59' 32.11" E
 Chord Bear = N 77° 42' 46.20" E
 DS = 65 MPH
 e (max) = 8.0%
 e = 5.80%
 PC-LG% = 0.50%
 PT-LG% = 0.50%

Course from PT I8512 to PC I8513 N 87° 59' 32.11" E Dist 3,748.3729

Curve Data
 Curve I8513
 P.I. Station = 1784+90.63 N 1,192,970.3964 E 1,824,965.5764
 Delta = 42° 54' 45.96" (LT)
 Degree = 2° 00' 00.00"
 Tangent = 1,125.9519
 Length = 2,145.6383
 Radius = 2,864.7890
 External = 213.3247
 Long Chord = 2,095.8386
 Mid. Ord. = 198.5405
 P.C. Station = 1773+64.67 N 1,192,930.9492 E 1,823,840.3157
 P.T. Station = 1795+10.31 N 1,193,765.4594 E 1,825,762.8484
 C.C. = N 1,195,793.9794 E 1,823,739.9489
 Back = N 87° 59' 32.11" E
 Ahead = N 45° 04' 46.15" E
 Chord Bear = N 66° 32' 09.13" E
 DS = 65 MPH
 e (max) = 8.0%
 e = 5.80%
 PC-LG% = 0.50%
 PT-LG% = 0.50%

Course from PT I8513 to I8514 N 45° 04' 46.15" E Dist 2,898.8251

Point I8514 N 1,195,812.3926 E 1,827,815.4690 Sta 1824+09.14

Ending chain I85 description

Beginning chain I85NB_1659 description

Point 680 N 1,190,166.5007 E 1,812,880.9650 Sta 1659+11.56
 Course from 680 to PC I85NB_16591 N 87° 58' 53.83" E Dist 531.8657

Curve Data
 Curve I85NB_16591
 P.I. Station = 1671+36.68 N 1,190,209.6497 E 1,814,105.3289
 Delta = 27° 05' 13.24" (LT)
 Degree = 1° 59' 26.95"
 Tangent = 693.2583
 Length = 1,360.5961
 Radius = 2,878.0000
 External = 82.3194
 Long Chord = 1,347.9609
 Mid. Ord. = 80.0303
 P.C. Station = 1664+43.43 N 1,190,185.2331 E 1,813,412.5007
 P.T. Station = 1678+04.02 N 1,190,546.8628 E 1,814,711.0470
 C.C. = N 1,193,061.4475 E 1,813,311.1372
 Back = N 87° 58' 53.83" E
 Ahead = N 60° 53' 40.59" E
 Chord Bear = N 74° 26' 17.21" E
 DS = 65 MPH
 e (max) = 8.0%
 e = 5.8%
 PC-LG% = 0.50%
 PT-LG% = 0.50%

Course from PT I85NB_16591 to PC I85NB_16592 N 60° 53' 40.59" E Dist 893.9282

Curve Data
 Curve I85NB_16592
 P.I. Station = 1692+03.72 N 1,191,227.7028 E 1,815,934.0044
 Delta = 6° 32' 19.70" (RT)
 Degree = 0° 38' 49.62"
 Tangent = 505.7746
 Length = 1,010.4510
 Radius = 8,854.0000
 External = 14.4341
 Long Chord = 1,009.9027
 Mid. Ord. = 14.4106
 P.C. Station = 1686+97.95 N 1,190,981.6852 E 1,815,492.0958
 P.T. Station = 1697+08.40 N 1,191,421.7973 E 1,816,401.0539
 C.C. = N 1,183,245.7111 E 1,819,798.8372
 Back = N 60° 53' 40.59" E
 Ahead = N 67° 26' 00.29" E
 Chord Bear = N 64° 09' 50.44" E
 DS = 65 MPH
 e (max) = 8.0%
 e = 2.3%
 PC-LG% = 0.50%
 PT-LG% = 0.50%

Course from PT I85NB_16592 to 681
 N 67° 26' 00.29" E Dist 1,344.7848
 Point 681 N 1,191,937.8677
 E 1,817,642.8741 Sta 1710+53.19

Ending chain I85NB_1659 description

Beginning chain 95S82 description

Point S82951 N 1,188,343.89 E 1,811,655.26 Sta 178+59.60

Course from S82951 to PC 95S82-1 N 34° 06' 16.63" E Dist 1,483.85

Curve Data
 Curve 95S82-1
 P.I. Station = 195+36.83 N 1,189,732.66 E 1,812,595.69
 Delta = 21° 53' 22.04" (LT)
 Degree = 5° 43' 46.88"
 Tangent = 193.38
 Length = 382.04
 Radius = 1,000.00
 External = 18.53
 Long Chord = 379.72
 Mid. Ord. = 18.19
 P.C. Station = 193+43.45 N 1,189,572.54 E 1,812,487.26
 P.T. Station = 197+25.49 N 1,189,921.66 E 1,812,636.61
 C.C. = N 1,190,133.24 E 1,811,659.25
 Back = N 34° 06' 16.63" E
 Ahead = N 12° 12' 54.59" E
 Chord Bear = N 23° 09' 35.61" E

DS = 45 MPH
 e (max) = 6.0%
 e = 5.5%
 PC-LG% = 0.54%
 PT-LG% = 0.54%

Course from PT 95S82-1 to PC 95S82-2 N 12° 12' 54.59" E Dist 985.18

Curve Data
 Curve 95S82-2
 P.I. Station = 209+68.29 N 1,191,136.32 E 1,812,899.56
 Delta = 42° 38' 40.88" (RT)
 Degree = 8° 40' 52.24"
 Tangent = 257.62
 Length = 491.23
 Radius = 660.00
 External = 48.50
 Long Chord = 479.97
 Mid. Ord. = 45.18
 P.C. Station = 207+10.67 N 1,190,884.54 E 1,812,845.06
 P.T. Station = 212+01.90 N 1,191,284.60 E 1,813,110.23
 C.C. = N 1,190,744.89 E 1,813,490.11
 Back = N 12° 12' 54.59" E
 Ahead = N 54° 51' 35.47" E
 Chord Bear = N 33° 32' 15.03" E

DS = 45 MPH
 e (max) = 6.0%
 e = 6.0%
 PC-LG% = 0.54%
 PT-LG% = 0.54%

Course from PT 95S82-2 to S82952 N 54° 51' 35.47" E Dist 595.08

Point S82952 N 1,191,627.12 E 1,813,596.86 Sta 217+96.98

Ending chain 95S82 description

Beginning chain WCDW1 description

Curve Data
 Curve WCDW1-1
 P.I. Station = 1668+52.14 N 1,190,500.5303 E 1,813,759.5091
 Delta = 12° 08' 48.51" (LT)
 Degree = 11° 41' 34.86"
 Tangent = 52.1359
 Length = 103.8809
 Radius = 490.0000
 External = 2.7658
 Long Chord = 103.6865
 Mid. Ord. = 2.7503
 P.C. Station = 1668+00.00 N 1,190,494.7009 E 1,813,707.7002
 P.T. Station = 1669+03.88 N 1,190,517.1307 E 1,813,808.9315
 C.C. = N 1,190,981.6283 E 1,813,652.9123
 Back = N 83° 34' 48.80" E
 Ahead = N 71° 26' 00.29" E
 Chord Bear = N 77° 30' 24.55" E
 DS = N/A
 e (max) = N/A
 e = N/A
 PC-LG% = N/A
 PT-LG% = N/A

<p>PRELIMINARY NOT FOR CONSTRUCTION</p>	7					<p>SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85</p>
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FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	CHEROKEE SPARTANBURG	P027114	INTERSTATE 85	5H

PROPOSED DATA

Beginning chain 92RPC description

Curve SC11RC-1
P.I. Station = 1529+13.39 N 1,187,904.3274 E 1,800,309.7063
Delta = 84° 07' 17.99" (RT)
Degree = 37° 00' 02.97"
Tangent = 139.7255
Length = 227.3507
Radius = 154.8500
External = 53.7207
Long Chord = 207.4739
Mid. Ord. = 39.8841
P.C. Station = 1527+73.66 N 1,187,788.6371 E 1,800,388.0578
P.C.C. Station = 1530+01.01 N 1,187,994.1156 E 1,800,416.7638
C.C. Station = 1530+01.01 N 1,187,875.4697 E 1,800,516.2710
Back = N 34° 06' 28.42" W
Ahead = N 50° 00' 49.47" E
Chord Bear = N 7° 57' 10.53" E
DS = 20 MPH (MATCH EXISTING)
e (max) = 8.0% (MATCH EXISTING)
e = 8.0% (MATCH EXISTING)
PC-LG% = 0.74% (MATCH EXISTING)
PT-LG% = 0.74% (MATCH EXISTING)

Curve SC11RC-2
P.I. Station = 1530+95.18 N 1,188,054.6312 E 1,800,488.9186
Delta = 43° 03' 20.84" (RT)
Degree = 24° 00' 00.87"
Tangent = 94.1725
Length = 179.3973
Radius = 238.7300
External = 17.9030
Long Chord = 175.2059
Mid. Ord. = 16.6540
P.C.C. Station = 1530+01.01 N 1,187,994.1156 E 1,800,416.7638
P.T. Station = 1531+80.41 N 1,188,049.5885 E 1,800,582.9560
C.C. Station = 1531+80.41 N 1,187,811.2010 E 1,800,570.1726
Back = N 50° 00' 49.47" E
Ahead = S 86° 55' 49.69" E
Chord Bear = N 71° 32' 29.89" E
DS = 25 MPH (MATCH EXISTING)
e (max) = 8.0% (MATCH EXISTING)
e = 8.0% (MATCH EXISTING)
PC-LG% = 0.70% (MATCH EXISTING)
PT-LG% = 0.70% (MATCH EXISTING)

Course from PT SC11RC-2 to PC SC11RC-3 S 86° 55' 49.69" E Dist 807.1193

Curve SC11RC-3
P.I. Station = 1540+33.13 N 1,188,003.9271 E 1,801,434.4548
Delta = 0° 54' 43.09" (RT)
Degree = 0° 59' 59.73"
Tangent = 45.6028
Length = 91.2037
Radius = 5,730.0000
External = 0.1815
Long Chord = 91.2027
Mid. Ord. = 0.1815
P.C. Station = 1539+87.53 N 1,188,006.3690 E 1,801,388.9174
P.T. Station = 1540+78.73 N 1,188,000.7607 E 1,801,479.9475
C.C. Station = 1540+78.73 N 1,182,284.5899 E 1,801,082.0886
Back = S 86° 55' 49.69" E
Ahead = S 86° 01' 06.60" E
Chord Bear = S 86° 28' 28.15" E
DS = 50 MPH (MATCH EXISTING)
e (max) = 8.0% (MATCH EXISTING)
e = 2.1% (MATCH EXISTING)
PC-LG% = 0.50% (MATCH EXISTING)
PT-LG% = 0.50% (MATCH EXISTING)

Course from PT SC11RC-3 to 126 S 86° 01' 06.60" E Dist 68.4587

Point 126 N 1,187,996.0073 E 1,801,548.2409 Sta 1541+47.19

Ending chain 92RPC description

Curve Data
Curve WCDW1-2
P.I. Station = 1671+47.46 N 1,190,594.6886 E 1,814,039.8356
Delta = 62° 17' 20.81" (LT)
Degree = 57° 17' 44.81"
Tangent = 60.4300
Length = 108.7150
Radius = 100.0000
External = 16.8408
Long Chord = 103.4398
Mid. Ord. = 14.4135
P.C. Station = 1670+87.03 N 1,190,575.4473 E 1,813,982.5507
P.T. Station = 1671+95.75 N 1,190,654.3506 E 1,814,049.4392
C.C. Station = 1671+95.75 N 1,190,670.2427 E 1,813,950.7101
Back = N 71° 26' 00.29" E
Ahead = N 9° 08' 39.48" E
Chord Bear = N 40° 17' 19.89" E
DS = N/A
e (max) = N/A
e = N/A
PC-LG% = N/A
PT-LG% = N/A

Course from PT WCDW1-2 to WCDW2 N 9° 08' 39.48" E Dist 89.8709

Point WCDW2 N 1,190,743.0793 E 1,814,063.7216 Sta 1672+85.62

Ending chain WCDW1 description

Beginning chain 96SC329_ALT1 description

Point 810 N 1,191,015.3441 E 1,820,962.3660 Sta 178+69.35

Course from 810 to PC 96SC329_ALT11 N 45° 44' 01.25" W Dist 625.4840

Curve Data
Curve 96SC329_ALT11
P.I. Station = 196+65.60 N 1,192,269.1132 E 1,819,676.0692
Delta = 60° 41' 15.91" (RT)
Degree = 2° 51' 53.24"
Tangent = 1,170.7611
Length = 2,118.4022
Radius = 2,000.0000
External = 317.4731
Long Chord = 2,020.7546
Mid. Ord. = 273.9821
P.C. Station = 184+94.83 N 1,191,451.9284 E 1,820,514.4550
P.T. Station = 206+13.24 N 1,193,400.2241 E 1,819,978.1779
C.C. Station = 206+13.24 N 1,192,884.1348 E 1,821,910.4439
Back = N 45° 44' 01.25" W
Ahead = N 14° 57' 14.65" E
Chord Bear = N 15° 23' 23.30" W
DS = 45 MPH
e (max) = 4.0%
e = 2.9%
PC-LG% = 0.54%
PT-LG% = 0.54%

Course from PT 96SC329_ALT11 to PC 96SC329_ALT12 N 14° 57' 14.65" E Dist 581.4037

Curve Data
Curve 96SC329_ALT12
P.I. Station = 214+44.76 N 1,194,203.5898 E 1,820,192.7490
Delta = 4° 24' 26.52" (RT)
Degree = 0° 52' 53.30"
Tangent = 250.1233
Length = 500.0000
Radius = 6,500.0000
External = 4.8107
Long Chord = 499.8767
Mid. Ord. = 4.8071
P.C. Station = 211+94.64 N 1,193,961.9374 E 1,820,128.2060
P.T. Station = 216+94.64 N 1,194,439.5677 E 1,820,275.6714
C.C. Station = 216+94.64 N 1,192,284.6471 E 1,826,408.0704
Back = N 14° 57' 14.65" E
Ahead = N 19° 21' 41.18" E
Chord Bear = N 17° 09' 27.92" E
DS = 45 MPH
e (max) = 4.0%
e = NC
PC-LG% = 0.54%
PT-LG% = 0.54%

Course from PT 96SC329_ALT12 to 811 N 19° 21' 41.18" E Dist 134.4837

Point 811 N 1,194,566.4457 E 1,820,320.2563 Sta 218+29.12

Ending chain 96SC329_ALT1 description

Beginning chain 92RPA description

Point 105 N 1,188,400.0835 E 1,798,485.8310 Sta 1510+65.81

Course from 105 to PC SC11RA-1 S 89° 21' 27.63" E Dist 693.2704

Curve Data
Curve SC11RA-1
Feature: DEFAULT
P.I. Station = 1520+84.45 N 1,188,388.6641 E 1,799,504.4096
Delta = 102° 38' 59.45" (LT)
Degree = 21° 59' 58.59"
Tangent = 325.3722
Length = 466.5985
Radius = 260.4400
External = 156.3286
Long Chord = 406.6522
Mid. Ord. = 97.6902
P.C. Station = 1517+59.08 N 1,188,392.3116 E 1,799,179.0578
P.T. Station = 1522+25.68 N 1,188,706.9173 E 1,799,436.7191
C.C. Station = 1522+25.68 N 1,188,652.7353 E 1,799,181.9775
Back = S 89° 21' 27.63" E
Ahead = N 12° 00' 27.08" W
Chord Bear = N 39° 19' 02.64" E
DS = 30 MPH (MATCH EXISTING)
e (max) = 8.0% (MATCH EXISTING)
e = 8.0% (MATCH EXISTING)
PC-LG% = 0.66% (MATCH EXISTING)
PT-LG% = 0.66% (MATCH EXISTING)

Ending chain 92RPA description

Beginning chain 92RPD description

Curve Data
Curve SC11RD-2
P.I. Station = 1512+11.19 N 1,188,280.8415 E 1,798,631.5811
Delta = 6° 01' 54.57" (RT)
Degree = 1° 09' 34.25"
Tangent = 299.0250
Length = 597.4976
Radius = 5,675.5780
External = 7.8718
Long Chord = 597.2217
Mid. Ord. = 7.8609
P.C. Station = 1509+12.16 N 1,188,275.3161 E 1,798,332.6071
P.C.C. Station = 1515+09.66 N 1,188,254.9195 E 1,798,929.4804
C.C. Station = 1515+09.66 N 1,182,600.7071 E 1,798,437.4807
Back = N 88° 56' 28.41" E
Ahead = S 85° 01' 37.02" E
Chord Bear = S 88° 02' 34.30" E
DS = 55 MPH (MATCH EXISTING)
e (max) = 8.0% (MATCH EXISTING)
e = 2.53% (MATCH EXISTING)
PC-LG% = 0.50% (MATCH EXISTING)
PT-LG% = 0.50% (MATCH EXISTING)

Point 90 N 1,188,254.9199 E 1,798,929.4804 Sta 1515+09.66

Curve Data
Curve SC11RD-1
P.I. Station = 1518+74.07 N 1,188,223.3301 E 1,799,292.5198
Delta = 41° 46' 29.09" (RT)
Degree = 5° 59' 59.99"
Tangent = 364.4112
Length = 696.2460
Radius = 954.9300
External = 67.1692
Long Chord = 680.9264
Mid. Ord. = 62.7551
P.C.C. Station = 1515+09.66 N 1,188,254.9199 E 1,798,929.4804
P.T. Station = 1522+05.90 N 1,187,957.9132 E 1,799,542.2184
C.C. Station = 1522+05.90 N 1,187,303.5846 E 1,798,846.7002
Back = S 85° 01' 37.02" E
Ahead = S 43° 15' 07.93" E
Chord Bear = S 64° 08' 22.48" E
DS = 55 MPH (MATCH EXISTING)
e (max) = 8.0% (MATCH EXISTING)
e = 8.0% (MATCH EXISTING)
PC-LG% = 0.50% (MATCH EXISTING)
PT-LG% = 0.50% (MATCH EXISTING)

Course from PT SC11RD-1 to 101 S 43° 15' 07.93" E Dist 277.5031

Point 101 N 1,187,755.7953 E 1,799,732.3665 Sta 1524+83.41

Ending chain 92RPD description

Beginning chain 92RPB description

Point 120 N 1,188,643.2822 E 1,800,391.2627 Sta 1528+10.86

Course from 120 to PC SC11RB-1 S 43° 19' 01.91" E Dist 263.7367

Curve Data
Curve SC11RB-1
P.I. Station = 1534+35.70 N 1,188,188.6737 E 1,800,819.9218
Delta = 41° 20' 18.52" (LT)
Degree = 5° 59' 09.44"
Tangent = 361.0973
Length = 690.5910
Radius = 957.1700
External = 65.8479
Long Chord = 675.7095
Mid. Ord. = 61.6095
P.C. Station = 1530+74.60 N 1,188,451.3961 E 1,800,572.1958
P.T. Station = 1537+65.19 N 1,188,155.0408 E 1,801,179.4494
C.C. Station = 1537+65.19 N 1,189,108.0500 E 1,801,268.6010
Back = S 43° 19' 01.91" E
Ahead = S 84° 39' 20.43" E
Chord Bear = S 63° 59' 11.17" E
DS = 55 MPH (MATCH EXISTING)
e (max) = 8.0% (MATCH EXISTING)
e = 8.0% (MATCH EXISTING)
PC-LG% = 0.50% (MATCH EXISTING)
PT-LG% = 0.50% (MATCH EXISTING)

Point 91 N 1,188,155.0408 E 1,801,179.4494 Sta 1537+65.19

Course from 91 to 87 S 84° 39' 20.43" E Dist 301.4284

Point 87 N 1,188,126.9655 E 1,801,479.5675 Sta 1540+66.62

Ending chain 92RPB description

<p>PRELIMINARY NOT FOR CONSTRUCTION</p>	7					<p>SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85</p> <p>REFERENCE DATA SHEET</p> <p>INTERSTATE 85 MILE MARKER 90-97 SECTION 4</p>
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SCALE: 1" = NTS	REV. NO.	BY	DATE	DESCRIPTION OF REVISION		

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FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	CHEROKEE SPARTANBURG	P027114	INTERSTATE 85	51

PROPOSED DATA

Beginning chain 92LPB description

Point 115 N 1,188,268.4629 E 1,799,984.5625 Sta 1525+64.93
 Course from 115 to PC SC11LB-4 S 86° 42' 50.69" E Dist 168.8892

Curve Data

 Curve SC11LB-4
 Feature: DEFAULT
 P.I. Station 1528+10.88 N 1,188,254.3651 E 1,800,230.1123
 Delta = 42° 08' 44.97" (LT)
 Degree = 28° 38' 52.40"
 Tangent = 77.0650
 Length = 147.1167
 Radius = 200.0000
 External = 14.3339
 Long Chord = 143.8223
 Mid. Ord. = 13.3753
 P.C. Station 1527+33.82 N 1,188,258.7824 E 1,800,153.1740
 P.C.C. Station 1528+80.94 N 1,188,302.7171 E 1,800,290.1214
 C.C. Station N 1,188,458.4536 E 1,800,164.6378
 Back = S 86° 42' 50.69" E
 Ahead = N 51° 08' 24.34" E
 Chord Bear = N 72° 12' 46.83" E
 DS = 25 MPH (MATCH EXISTING)
 e (max) = 8.0% (MATCH EXISTING)
 e = 8.0% (MATCH EXISTING)
 PC-LG% = 0.70% (MATCH EXISTING)
 PT-LG% = 0.70% (MATCH EXISTING)

Curve Data

 Curve SC11LB-1
 Feature: DEFAULT
 P.I. Station 1530+89.05 N 1,188,430.7713 E 1,800,454.1487
 Delta = 82° 48' 30.44" (LT)
 Degree = 24° 16' 40.34"
 Tangent = 208.0929
 Length = 341.0861
 Radius = 236.0000
 External = 78.6405
 Long Chord = 312.1653
 Mid. Ord. = 58.9853
 P.C. Station 1528+80.94 N 1,188,302.6989 E 1,800,290.1361
 P.C.C. Station 1532+22.05 N 1,188,609.5266 E 1,800,347.6161
 C.C. Station N 1,188,488.7071 E 1,800,144.8881
 Back = N 51° 08' 24.34" E
 Ahead = N 30° 32' 16.27" W
 Chord Bear = N 10° 36' 38.19" E
 DS = 25 MPH (MATCH EXISTING)
 e (max) = 8.0% (MATCH EXISTING)
 e = 8.0% (MATCH EXISTING)
 PC-LG% = 0.70% (MATCH EXISTING)
 PT-LG% = 0.70% (MATCH EXISTING)

Curve Data

 Curve SC11LB-2
 Feature: DEFAULT
 P.I. Station 1535+56.99 N 1,188,898.0070 E 1,800,177.4286
 Delta = 109° 39' 45.50" (LT)
 Degree = 24° 16' 40.34"
 Tangent = 334.9399
 Length = 451.6979
 Radius = 236.0000
 External = 173.7325
 Long Chord = 385.8411
 Mid. Ord. = 100.0674
 P.C. Station 1532+22.05 N 1,188,609.5254 E 1,800,347.6141
 P.C.C. Station 1536+73.75 N 1,188,640.6764 E 1,799,963.0326
 C.C. Station N 1,188,489.6121 E 1,800,144.3488
 Back = N 30° 32' 16.27" W
 Ahead = S 39° 47' 58.23" W
 Chord Bear = N 85° 22' 09.02" W
 Chord Bear = N 86° 07' 18.91" W
 DS = 25 MPH (MATCH EXISTING)
 e (max) = 8.0% (MATCH EXISTING)
 e = 8.0% (MATCH EXISTING)
 PC-LG% = 0.70% (MATCH EXISTING)
 PT-LG% = 0.70% (MATCH EXISTING)

Curve Data

 Curve SC11LB-3
 Feature: DEFAULT
 P.I. Station 1538+15.60 N 1,188,530.4496 E 1,799,873.7838
 Delta = 76° 28' 18.52" (LT)
 Degree = 31° 49' 51.56"
 Tangent = 141.8288
 Length = 240.2433
 Radius = 180.0000
 External = 49.1524
 Long Chord = 222.8043
 Mid. Ord. = 38.6155
 P.C. Station 1536+73.75 N 1,188,640.6916 E 1,799,963.0143
 P.T. Station 1539+14.01 N 1,188,417.9065 E 1,799,960.0940
 C.C. Station N 1,188,527.4459 E 1,800,102.9265
 Back = S 39° 47' 58.23" W
 Ahead = S 37° 29' 05.61" E
 Chord Bear = S 0° 43' 03.65" W
 DS = 25 MPH (MATCH EXISTING)
 e (max) = 8.0% (MATCH EXISTING)
 e = 8.0% (MATCH EXISTING)
 PC-LG% = 0.70% (MATCH EXISTING)
 PT-LG% = 0.70% (MATCH EXISTING)

Ending chain 92LPB description

Beginning chain 92LPD description

Curve Data

 Curve SC11LD-1
 P.I. Station 1515+16.46 N 1,187,869.2401 E 1,800,242.5565
 Delta = 79° 32' 48.14" (RT)
 Degree = 31° 59' 59.56"
 Tangent = 149.0378
 Length = 248.5844
 Radius = 179.0500
 External = 53.9117
 Long Chord = 229.0953
 Mid. Ord. = 41.4355
 P.C. Station 1513+67.43 N 1,187,988.6503 E 1,800,153.3742
 P.C.C. Station 1516+16.01 N 1,187,759.8729 E 1,800,141.3089
 C.C. Station N 1,187,881.5091 E 1,800,009.9181
 Back = S 36° 45' 16.05" E
 Ahead = S 42° 47' 32.09" W
 Chord Bear = S 3° 01' 08.02" W
 DS = 25 MPH (MATCH EXISTING)
 e (max) = 8.0% (MATCH EXISTING)
 e = 8.0% (MATCH EXISTING)
 PC-LG% = 0.70% (MATCH EXISTING)
 PT-LG% = 0.70% (MATCH EXISTING)

Curve Data

 Curve SC11LD-2
 P.I. Station 1519+40.49 N 1,187,521.7605 E 1,799,920.8742
 Delta = 107° 52' 03.72" (RT)
 Degree = 24° 14' 40.80"
 Tangent = 324.4825
 Length = 444.9131
 Radius = 236.3232
 External = 165.0962
 Long Chord = 382.0580
 Mid. Ord. = 97.1953
 P.C. Station 1516+16.01 N 1,187,759.8729 E 1,800,141.3089
 P.C.C. Station 1520+60.92 N 1,187,804.6207 E 1,799,761.8804
 C.C. Station N 1,187,920.4172 E 1,799,967.8897
 Back = S 42° 47' 32.09" W
 Ahead = N 29° 20' 24.19" W
 Chord Bear = N 83° 16' 26.05" W
 DS = 25 MPH (MATCH EXISTING)
 e (max) = 8.0% (MATCH EXISTING)
 e = 8.0% (MATCH EXISTING)
 PC-LG% = 0.70% (MATCH EXISTING)
 PT-LG% = 0.70% (MATCH EXISTING)

Curve Data

 Curve SC11LD-3
 P.I. Station 1524+07.68 N 1,188,100.3996 E 1,799,580.9076
 Delta = 112° 42' 52.24" (RT)
 Degree = 24° 49' 47.32"
 Tangent = 346.7512
 Length = 453.9483
 Radius = 230.7540
 External = 185.7599
 Long Chord = 384.2092
 Mid. Ord. = 102.9133
 P.C. Station 1520+60.92 N 1,187,804.6206 E 1,799,761.8805
 P.T. Station 1525+14.87 N 1,188,153.1243 E 1,799,923.6268
 C.C. Station N 1,187,925.0534 E 1,799,958.7138
 Back = N 29° 20' 24.19" W
 Ahead = N 81° 15' 14.59" E
 Chord Bear = N 24° 53' 48.47" E
 DS = 25 MPH (MATCH EXISTING)
 e (max) = 8.0% (MATCH EXISTING)
 e = 8.0% (MATCH EXISTING)
 PC-LG% = 0.70% (MATCH EXISTING)
 PT-LG% = 0.70% (MATCH EXISTING)

Course from PT SC11LD-3 to 111 S 86° 42' 00.04" E Dist 200.1273

Point 111 N 1,188,141.6042 E 1,800,123.4222 Sta 1527+15.00

Ending chain 92LPD description

Beginning chain 95RPA description

Point RPA9501 N 1,190,393.5515 E 1,812,738.7650 Sta 1658+21.30
 Course from RPA9501 to PC 95RPA1 N 89° 35' 11.79" E Dist 526.4144

Curve Data

 Curve 95RPA1
 P.I. Station 1666+35.28 N 1,190,399.4243 E 1,813,552.7175
 Delta = 18° 09' 11.50" (LT)
 Degree = 3° 10' 59.16"
 Tangent = 287.5593
 Length = 570.2994
 Radius = 1,800.0000
 External = 22.8248
 Long Chord = 567.9171
 Mid. Ord. = 22.5390
 P.C. Station 1663+47.72 N 1,190,397.3496 E 1,813,265.1657
 P.T. Station 1669+18.02 N 1,190,490.9851 E 1,813,825.3105
 C.C. Station N 1,192,197.3027 E 1,813,252.1787
 Back = N 89° 35' 11.79" E
 Ahead = N 71° 26' 00.29" E
 Chord Bear = N 80° 30' 36.04" E
 DS = 45 MPH
 e (max) = 8.0%
 e = 4.7%
 PC-LG% = 0.54%
 PT-LG% = 0.54%

Course from PT 95RPA1 to RPA9502 N 71° 26' 00.29" E Dist 572.2106

Point RPA9502 N 1,190,673.1807 E 1,814,367.7400 Sta 1674+90.23

Ending chain 95RPA description

Beginning chain 95RPB description

Curve Data

 Curve 95RPB1
 P.I. Station 1647+63.15 N 1,190,211.9915 E 1,811,729.9899
 Delta = 13° 41' 13.85" (LT)
 Degree = 3° 10' 59.16"
 Tangent = 216.0260
 Length = 429.9954
 Radius = 1,800.0000
 External = 12.9168
 Long Chord = 428.9737
 Mid. Ord. = 12.8247
 P.C. Station 1645+47.12 N 1,190,204.3830 E 1,811,514.0980
 P.T. Station 1649+77.12 N 1,190,270.4684 E 1,811,937.9507
 C.C. Station N 1,192,003.2662 E 1,811,450.7018
 Back = N 87° 58' 53.83" E
 Ahead = N 74° 17' 39.98" E
 Chord Bear = N 81° 08' 16.90" E
 DS = 45 MPH
 e (max) = 8.0%
 e = 4.7%
 PC-LG% = 0.54%
 PT-LG% = 0.50%

Course from PT 95RPB1 to PC 95RPB2 N 74° 17' 39.98" E Dist 337.3642

Curve Data

 Curve 95RPB2
 P.I. Station 1654+21.88 N 1,190,390.8627 E 1,812,366.1077
 Delta = 15° 17' 31.81" (RT)
 Degree = 7° 09' 43.10"
 Tangent = 107.3978
 Length = 213.5190
 Radius = 800.0000
 External = 7.1767
 Long Chord = 212.8858
 Mid. Ord. = 7.1129
 P.C. Station 1653+14.48 N 1,190,361.7908 E 1,812,262.7196
 P.T. Station 1655+28.00 N 1,190,391.6376 E 1,812,473.5027
 C.C. Station N 1,189,591.6584 E 1,812,479.2747
 Back = N 74° 17' 39.98" E
 Ahead = N 89° 35' 11.79" E
 Chord Bear = N 81° 56' 25.89" E
 DS = 45 MPH
 e (max) = 8.0%
 e = 7.6%
 PC-LG% = 0.54%
 PT-LG% = 0.54%

Course from PT 95RPB2 to RPB9501 N 89° 35' 11.79" E Dist 265.2692

Point RPB9501 N 1,190,393.5515 E 1,812,738.7650 Sta 1657+93.27

Ending chain 95RPB description

<h1>PRELIMINARY NOT FOR CONSTRUCTION</h1>	7					SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85 REFERENCE DATA SHEET INTERSTATE 85 MILE MARKER 90-97 SECTION 4
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	1					
SCALE: 1" = NTS	REV. NO.	BY	DATE	DESCRIPTION OF REVISION		

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 10/24/2017

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	CHESTERFIELD SPARTANBURG	P027114	INTERSTATE 85	5J

PROPOSED DATA

Beginning chain 95RPC description
=====

Point RAMPC100 N 1,190,090.6260 E 1,811,068.7160 Sta 1640+97.77
Course from RAMPC100 to PC 952_RAMPC-1 S 88° 01' 06.17" E Dist 595.6708

Curve Data

Curve 952_RAMPC-1
P.I. Station 1649+25.37 N 1,190,062.0084 E 1,811,895.8246
Delta = 14° 41' 03.81" (RT)
Degree = 3° 10' 59.16"
Tangent = 231.9328
Length = 461.3237
Radius = 1,800.0000
External = 14.8809
Long Chord = 460.0622
Mid. Ord. = 14.7589
P.C. Station 1646+93.44 N 1,190,070.0284 E 1,811,664.0305
P.T. Station 1651+54.76 N 1,189,995.4919 E 1,812,118.0146
C.C. N 1,188,271.1048 E 1,811,601.7886
Back = S 88° 01' 06.17" E
Ahead = S 73° 20' 02.37" E
Chord Bear = S 80° 40' 34.27" E
DS = 45 MPH
e (max) = 8.0%
e = 4.7%
PC-LG% = 0.54%
PT-LG% = 0.54%

Course from PT 952_RAMPC-1 to RAMPC101 S 73° 20' 02.37" E Dist 520.9985
Point RAMPC101 N 1,189,846.0735 E 1,812,617.1274 Sta 1656+75.76

Ending chain 95RPC description
=====

Beginning chain 95RPD description
=====

Point ZA198 N 1,189,846.07 E 1,812,617.13 Sta 1655+71.92
Course from ZA198 to PC C95 N 86° 41' 19.01" E Dist 294.84

Curve Data

Curve 95RPD_1
P.I. Station 1660+17.25 N 1,189,871.80 E 1,813,061.72
Delta = 17° 07' 00.36" (LT)
Degree = 5° 43' 46.48"
Tangent = 150.49
Length = 298.74
Radius = 1,000.00
External = 11.26
Long Chord = 297.63
Mid. Ord. = 11.14
P.C. Station 1658+66.76 N 1,189,863.10 E 1,812,911.48
P.T. Station 1661+65.51 N 1,189,924.32 E 1,813,202.75
C.C. N 1,190,861.43 E 1,812,853.71
Back = N 86° 41' 19.01" E
Ahead = N 69° 34' 18.66" E
Chord Bear = N 78° 07' 48.83" E
DS = 45 MPH
e (max) = 8.0%
e = 6.8%
PC-LG% = 0.54%
PT-LG% = 0.54%

Course from PT C95 to ZA199 N 69° 34' 18.66" E Dist 1,196.53
Point ZA199 N 1,190,341.95 E 1,814,324.03 Sta 1673+62.04

Ending chain 95RPD description
=====

Beginning chain 96RPA_ALT1 description
=====

Curve Data

Curve 96RPA_ALT11
P.I. Station 1735+14.15 N 1,193,114.3836 E 1,820,004.7269
Delta = 52° 41' 41.28" (LT)
Degree = 57° 17' 44.81"
Tangent = 49.5261
Length = 91.9698
Radius = 100.0000
External = 11.5922
Long Chord = 88.7625
Mid. Ord. = 10.3880
P.C. Station 1734+64.62 N 1,193,160.9251 E 1,819,987.7940
P.T. Station 1735+56.59 N 1,193,099.6454 E 1,820,052.0092
C.C. N 1,193,195.1149 E 1,820,081.7677
Back = S 19° 59' 33.21" E
Ahead = S 72° 41' 14.49" E
Chord Bear = S 46° 20' 23.85" E
DS = N/A (ROUNDABOUT INTERSECTION)
e (max) = N/A (ROUNDABOUT INTERSECTION)
e = NC
PC-LG% = 0.50%
PT-LG% = 0.50%

Course from PT 96RPA_ALT11 to PC 96RPA_ALT12 S 72° 41' 14.49" E Dist 68.3880

Curve Data

Curve 96RPA_ALT12
P.I. Station 1741+09.17 N 1,192,935.2054 E 1,820,579.5551
Delta = 15° 19' 13.40" (LT)
Degree = 1° 35' 29.59"
Tangent = 484.1925
Length = 962.6084
Radius = 3,600.0000
External = 32.4155
Long Chord = 959.7433
Mid. Ord. = 32.1262
P.C. Station 1736+24.98 N 1,193,079.2941 E 1,820,117.2988
P.T. Station 1745+87.59 N 1,192,918.3727 E 1,821,063.4550
C.C. N 1,196,516.1967 E 1,821,188.6067
Back = S 72° 41' 14.49" E
Ahead = S 88° 00' 27.89" E
Chord Bear = S 80° 20' 51.19" E
DS = 45 MPH
e (max) = 8.0%
e = 2.7%
PC-LG% = 0.54%
PT-LG% = 0.54%

Ending chain 96RPA_ALT1 description
=====

Beginning chain 96RPB_ALT1 description
=====

Curve Data

Curve 96RPB_ALT11
P.I. Station 1724+68.61 N 1,192,594.6091 E 1,818,960.0037
Delta = 17° 26' 49.41" (LT)
Degree = 3° 24' 37.67"
Tangent = 257.7823
Length = 511.5745
Radius = 1,680.0000
External = 19.6622
Long Chord = 509.6003
Mid. Ord. = 19.4348
P.C. Station 1722+10.83 N 1,192,495.6833 E 1,818,721.9588
P.T. Station 1727+22.40 N 1,192,760.3555 E 1,819,157.4368
C.C. N 1,194,047.0522 E 1,818,077.2462
Back = N 67° 26' 00.14" E
Ahead = N 49° 59' 10.73" E
Chord Bear = N 58° 42' 35.43" E
DS = 45 MPH
e (max) = 8.0%
e = 5.0%
PC-LG% = 0.54%
PT-LG% = 0.54%

Course from PT 96RPB_ALT11 to PC 96RPB_ALT12 N 49° 59' 10.73" E Dist 249.9901

Curve Data

Curve 96RPB_ALT12
P.I. Station 1731+01.72 N 1,193,004.2413 E 1,819,447.9475
Delta = 24° 19' 34.78" (RT)
Degree = 9° 32' 57.47"
Tangent = 129.3209
Length = 254.7447
Radius = 600.0000
External = 13.7784
Long Chord = 252.8356
Mid. Ord. = 13.4691
P.C. Station 1729+72.39 N 1,192,921.0918 E 1,819,348.9019
P.T. Station 1732+27.14 N 1,193,039.2081 E 1,819,572.4514
C.C. N 1,192,461.5573 E 1,819,734.6842
Back = N 49° 59' 10.73" E
Ahead = N 74° 18' 45.51" E
Chord Bear = N 62° 08' 58.12" E
DS = 45 MPH
e (max) = 8.0%
e = 8.0%
PC-LG% = 0.54%
PT-LG% = 0.54%

Course from PT 96RPB_ALT12 to PC 96RPB_ALT13 N 74° 18' 45.51" E Dist 194.1125

Curve Data

Curve 96RPB_ALT13
P.I. Station 1734+96.03 N 1,193,111.9123 E 1,819,831.3239
Delta = 40° 59' 57.67" (LT)
Degree = 28° 38' 52.40"
Tangent = 74.7757
Length = 143.1147
Radius = 200.0000
External = 13.5214
Long Chord = 140.0808
Mid. Ord. = 12.6652
P.C. Station 1734+21.25 N 1,193,091.6938 E 1,819,759.3335
P.T. Station 1735+64.37 N 1,193,174.4008 E 1,819,872.3919
C.C. N 1,193,284.2441 E 1,819,705.2559
Back = N 74° 18' 45.51" E
Ahead = N 33° 18' 47.84" E
Chord Bear = N 53° 48' 46.67" E
DS = N/A (ROUNDABOUT INTERSECTION)
e (max) = N/A (ROUNDABOUT INTERSECTION)
e = 3.9%
PC-LG% = 0.50%
PT-LG% = 0.50%

Ending chain 96RPB_ALT1 description
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Beginning chain 96RPC_ALT1 description
=====

Point 890 N 1,192,148.4613 E 1,818,180.8953 Sta 1715+77.64
Course from 890 to PC 96RPC_ALT11 N 71° 26' 00.29" E Dist 750.9538

Curve Data

Curve 96RPC_ALT11
P.I. Station 1726+89.40 N 1,192,502.4529 E 1,819,234.7929
Delta = 17° 49' 51.30" (RT)
Degree = 2° 29' 28.04"
Tangent = 360.8062
Length = 715.7789
Radius = 2,300.0000
External = 28.1282
Long Chord = 712.8939
Mid. Ord. = 27.7884
P.C. Station 1723+28.59 N 1,192,387.5699 E 1,818,892.7652
P.T. Station 1730+44.37 N 1,192,507.0855 E 1,819,595.5693
C.C. N 1,190,207.2751 E 1,819,625.1002
Back = N 71° 26' 00.29" E
Ahead = N 89° 15' 51.59" E
Chord Bear = N 80° 20' 55.94" E
DS = 45 MPH
e (max) = 8.0%
e = 3.9%
PC-LG% = 0.54%
PT-LG% = 0.54%

Course from PT 96RPC_ALT11 to PC 96RPC_ALT12 N 89° 15' 51.59" E Dist 218.6653

Curve Data

Curve 96RPC_ALT12
P.I. Station 1733+12.56 N 1,192,510.5289 E 1,819,863.7386
Delta = 52° 41' 41.28" (RT)
Degree = 57° 17' 44.81"
Tangent = 49.5261
Length = 91.9698
Radius = 100.0000
External = 11.5922
Long Chord = 88.7625
Mid. Ord. = 10.3880
P.C. Station 1732+63.04 N 1,192,509.8930 E 1,819,814.2166
P.T. Station 1733+55.01 N 1,192,471.5236 E 1,819,894.2577
C.C. N 1,192,409.9013 E 1,819,815.5005
Back = N 89° 15' 51.59" E
Ahead = S 38° 02' 27.13" E
Chord Bear = S 64° 23' 17.77" E
DS = N/A (ROUNDABOUT INTERSECTION)
e (max) = N/A (ROUNDABOUT INTERSECTION)
e = 2.9%
PC-LG% = 0.50%
PT-LG% = 0.50%

Ending chain 96RPC_ALT1 description
=====

Beginning chain 96RPD_ALT1 description
=====

Curve Data

Curve 96RPD_ALT11
P.I. Station 1735+33.09 N 1,192,545.0348 E 1,820,038.7078
Delta = 40° 59' 57.67" (RT)
Degree = 28° 38' 52.40"
Tangent = 74.7757
Length = 143.1147
Radius = 200.0000
External = 13.5214
Long Chord = 140.0808
Mid. Ord. = 12.6652
P.C. Station 1734+58.32 N 1,192,479.8029 E 1,820,002.1538
P.T. Station 1736+01.43 N 1,192,570.2852 E 1,820,109.0912
C.C. N 1,192,382.0331 E 1,820,176.6274
Back = N 29° 15' 53.92" E
Ahead = N 70° 15' 51.59" E
Chord Bear = N 49° 45' 52.75" E
DS = N/A (ROUNDABOUT INTERSECTION)
e (max) = N/A (ROUNDABOUT INTERSECTION)
e = NC
PC-LG% = 0.50%
PT-LG% = 0.50%

Course from PT 96RPD_ALT11 to PC 96RPD_ALT12 N 70° 15' 51.59" E Dist 218.3957

Curve Data

Curve 96RPD_ALT12
P.I. Station 1741+78.51 N 1,192,765.1557 E 1,820,652.2776
Delta = 17° 43' 40.53" (RT)
Degree = 2° 29' 28.04"
Tangent = 358.6884
Length = 711.6445
Radius = 2,300.0000
External = 27.8010
Long Chord = 708.8091
Mid. Ord. = 27.4689
P.C. Station 1738+19.83 N 1,192,644.0333 E 1,820,314.6584
P.T. Station 1745+31.47 N 1,192,777.7222 E 1,821,010.7458
C.C. N 1,190,479.1342 E 1,821,091.3254
Back = N 70° 15' 51.59" E
Ahead = N 87° 59' 32.11" E
Chord Bear = N 79° 07' 41.85" E
DS = 45 MPH
e (max) = 8.0%
e = 3.9%
PC-LG% = 0.54%
PT-LG% = 0.54%

Ending chain 96RPD_ALT1 description
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<h2 style="color: red;">PRELIMINARY NOT FOR CONSTRUCTION</h2>	7					SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85 REFERENCE DATA SHEET INTERSTATE 85 MILE MARKER 90-97 SECTION 4
	6					
	5					
	4					
	3					
	2					
	1					
SCALE: 1" = NTS	REV. NO.	BY	DATE	DESCRIPTION OF REVISION		

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FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	CHESTEREE SPARTANBURG	P027114	INTERSTATE 85	5K

PROPOSED DATA

Beginning chain PEACH description

Curve Data
 Curve PEACH-1
 P.I. Station 1508+25.49 N 1,188,447.4971 E 1,798,196.4040
 Delta = 6° 32' 25.23" (RT)
 Degree = 0° 58' 55.62"
 Tangent = 333.3339
 Length = 665.9438
 Radius = 5,833.9111
 External = 9.5151
 Long Chord = 665.5823
 Mid. Ord. = 9.4996
 P.C. Station 1504+92.16 N 1,188,410.0977 E 1,797,865.1748
 P.R.C. Station 1511+58.10 N 1,188,446.9251 E 1,798,529.7375
 C.C. Station 1518+24.12 N 1,182,613.0226 E 1,798,519.7274
 Back = N 83° 33' 28.69" E
 Ahead = S 89° 54' 06.08" E
 Chord Bear = N 86° 49' 41.30" E
 DS = 45 MPH
 e (max) = 6.0%
 e = RC
 PC-LG% = 0.54%
 PT-LG% = 0.54%

Curve Data
 Curve PEACH-2
 P.I. Station 1513+44.64 N 1,188,446.6051 E 1,798,716.2692
 Delta = 56° 06' 38.29" (LT)
 Degree = 16° 22' 12.80"
 Tangent = 186.5320
 Length = 342.7604
 Radius = 350.0000
 External = 46.6033
 Long Chord = 329.2267
 Mid. Ord. = 41.1271
 P.R.C. Station 1511+58.10 N 1,188,446.9251 E 1,798,529.7375
 P.T. Station 1515+00.86 N 1,188,601.2695 E 1,798,820.5433
 C.C. Station 1518+24.12 N 1,188,796.9246 E 1,798,530.3380
 Back = S 89° 54' 06.08" E
 Ahead = N 33° 59' 15.63" E
 Chord Bear = N 62° 02' 34.77" E
 DS = 45 MPH
 e (max) = 6.0%
 e = 6.0%
 PC-LG% = 0.54%
 PT-LG% = 0.54%

Ending chain PEACH description

Beginning chain CREST description

Point CREST1 N 1,188,017.5076 E 1,800,704.9927 Sta 1533+05.60

Course from CREST1 to PC CREST-1 S 86° 55' 49.69" E Dist 716.7486

Curve Data
 Curve CREST-1
 P.I. Station 1541+36.11 N 1,187,973.0356 E 1,801,534.3128
 Delta = 2° 16' 29.26" (RT)
 Degree = 0° 59' 59.73"
 Tangent = 113.7630
 Length = 227.4961
 Radius = 5,730.0000
 External = 1.1292
 Long Chord = 227.4812
 Mid. Ord. = 1.1290
 P.C. Station 1540+22.35 N 1,187,979.1273 E 1,801,420.7130
 P.T. Station 1542+49.84 N 1,187,962.4396 E 1,801,647.5812
 C.C. Station 1542+49.84 N 1,182,257.3482 E 1,801,113.8842
 Back = S 86° 55' 49.69" E
 Ahead = S 84° 39' 20.43" E
 Chord Bear = S 85° 47' 35.06" E
 DS = 25 MPH
 e (max) = 6.0%
 e = RC
 PC-LG% = 0.54%
 PT-LG% = 0.54%

Course from PT CREST-1 to PC CREST-2 S 84° 39' 20.43" E Dist 640.1165

Curve Data
 Curve CREST-2
 P.I. Station 1549+23.29 N 1,187,899.7139 E 1,802,318.1037
 Delta = 67° 22' 49.45" (RT)
 Degree = 114° 35' 29.61"
 Tangent = 33.3335
 Length = 58.8005
 Radius = 50.0000
 External = 10.0926
 Long Chord = 55.4702
 Mid. Ord. = 8.3975
 P.C. Station 1548+89.96 N 1,187,902.8186 E 1,802,284.9151
 P.C.C. Station 1549+48.76 N 1,187,867.8841 E 1,802,328.0026
 C.C. Station 1549+48.76 N 1,187,853.0360 E 1,802,280.2581
 Back = S 84° 39' 20.43" E
 Ahead = S 47° 16' 30.99" E
 Chord Bear = S 50° 57' 55.71" E
 DS = MATCH EXISTING
 e (max) = MATCH EXISTING
 e = MATCH EXISTING
 PC-LG% = MATCH EXISTING
 PT-LG% = MATCH EXISTING

Curve Data
 Curve CREST-3
 P.I. Station 1550+20.10 N 1,187,799.7619 E 1,802,349.1880
 Delta = 19° 03' 27.55" (RT)
 Degree = 13° 28' 52.90"
 Tangent = 71.3404
 Length = 141.3830
 Radius = 425.0000
 External = 5.9460
 Long Chord = 140.7122
 Mid. Ord. = 5.8640
 P.C.C. Station 1549+48.76 N 1,187,867.8841 E 1,802,328.0026
 P.T. Station 1550+90.12 N 1,187,728.4560 E 1,802,346.9691
 C.C. Station 1550+90.12 N 1,187,741.6749 E 1,801,922.1747
 Back = S 17° 16' 30.99" E
 Ahead = S 1° 46' 56.56" W
 Chord Bear = S 7° 44' 47.21" E
 DS = MATCH EXISTING
 e (max) = MATCH EXISTING
 e = MATCH EXISTING
 PC-LG% = MATCH EXISTING
 PT-LG% = MATCH EXISTING

Course from PT CREST-3 to CREST2 S 1° 46' 56.56" W Dist 87.9861

Point CREST2 N 1,187,640.5125 E 1,802,344.2324 Sta 1551+78.11

Ending chain CREST description

Beginning chain WILCOX1584_A1 description

Curve Data
 Curve WILCOX1584_A1-1
 P.I. Station 1584+11.45 N 1,189,006.7043 E 1,805,575.1479
 Delta = 2° 15' 38.34" (LT)
 Degree = 1° 08' 45.30"
 Tangent = 98.6523
 Length = 197.2789
 Radius = 5,000.0000
 External = 0.9731
 Long Chord = 197.2661
 Mid. Ord. = 0.9729
 P.C. Station 1583+12.80 N 1,188,965.2997 E 1,805,485.6050
 P.T. Station 1585+10.07 N 1,189,051.6087 E 1,805,662.9879
 C.C. Station 1585+10.07 N 1,193,503.6099 E 1,803,387.0957
 Back = N 65° 11' 03.24" E
 Ahead = N 62° 55' 24.90" E
 Chord Bear = N 64° 03' 14.07" E
 DS = 45 MPH
 e (max) = 6.0%
 e = RC
 PC-LG% = 0.54%
 PT-LG% = 0.54%

Course from PT WILCOX1584_A1-1 to PC WILCOX1584_A1-2 N 62° 55' 24.90" E Dist 1,469.3141

Curve Data
 Curve WILCOX1584_A1-2
 P.I. Station 1608+81.85 N 1,190,131.1921 E 1,807,774.8221
 Delta = 26° 03' 28.92" (RT)
 Degree = 1° 28' 08.84"
 Tangent = 902.4666
 Length = 1,773.7142
 Radius = 3,900.0000
 External = 103.0546
 Long Chord = 1,758.4670
 Mid. Ord. = 100.4015
 P.C. Station 1599+79.39 N 1,189,720.4088 E 1,806,971.2656
 P.T. Station 1617+53.10 N 1,190,147.2318 E 1,808,677.1461
 C.C. Station 1617+53.10 N 1,186,247.8478 E 1,808,746.4615
 Back = N 62° 55' 24.90" E
 Ahead = N 88° 58' 53.83" E
 Chord Bear = N 75° 57' 09.37" E
 DS = 45 MPH
 e (max) = 6.0%
 e = 2.4%
 PC-LG% = 0.54%
 PT-LG% = 0.54%

Course from PT WILCOX1584_A1-2 to PC WILCOX1584_A1-3 N 88° 58' 53.83" E Dist 259.5040

Curve Data
 Curve WILCOX1584_A1-3
 P.I. Station 1620+99.87 N 1,190,153.3951 E 1,809,023.8640
 Delta = 1° 00' 00.00" (LT)
 Degree = 0° 34' 22.65"
 Tangent = 87.2687
 Length = 174.5329
 Radius = 10,000.0000
 External = 0.3808
 Long Chord = 174.5307
 Mid. Ord. = 0.3808
 P.C. Station 1620+12.61 N 1,190,151.8440 E 1,808,936.6091
 P.T. Station 1621+87.14 N 1,190,156.4687 E 1,809,111.0786
 C.C. Station 1620+12.61 N 1,200,150.2645 E 1,808,758.8774
 Back = N 88° 58' 53.83" E
 Ahead = N 87° 58' 53.83" E
 Chord Bear = N 88° 28' 53.83" E

Course from PT WILCOX1584_A1-3 to PC WILCOX1584_A1-4 N 87° 58' 53.83" E Dist 1,076.1218

Curve Data
 Curve WILCOX1584_A1-4
 P.I. Station 1634+37.80 N 1,190,200.5170 E 1,810,360.9618
 Delta = 1° 00' 00.00" (LT)
 Degree = 0° 17' 11.32"
 Tangent = 174.5374
 Length = 349.0658
 Radius = 20,000.0000
 External = 0.7616
 Long Chord = 349.0614
 Mid. Ord. = 0.7615
 P.C. Station 1632+63.26 N 1,190,194.3698 E 1,810,186.5327
 P.T. Station 1636+12.33 N 1,190,209.7075 E 1,810,535.2570
 C.C. Station 1636+12.33 N 1,210,181.9614 E 1,809,482.1304
 Back = N 87° 58' 53.83" E
 Ahead = N 86° 58' 53.83" E
 Chord Bear = N 87° 28' 53.83" E

Course from PT WILCOX1584_A1-4 to PC WILCOX1584_A1-5 N 86° 58' 53.83" E Dist 415.5583

Curve Data
 Curve WILCOX1584_A1-5
 P.I. Station 1641+25.37 N 1,190,236.7227 E 1,811,047.5921
 Delta = 0° 33' 30.83" (RT)
 Degree = 0° 17' 11.32"
 Tangent = 97.4886
 Length = 194.9756
 Radius = 20,000.0000
 External = 0.2376
 Long Chord = 194.9749
 Mid. Ord. = 0.2376
 P.C. Station 1640+27.89 N 1,190,231.5893 E 1,810,950.2388
 P.T. Station 1642+22.86 N 1,190,240.9068 E 1,811,144.9909
 C.C. Station 1642+22.86 N 1,170,259.3354 E 1,812,003.3653
 Back = N 86° 58' 53.83" E
 Ahead = N 87° 32' 24.66" E
 Chord Bear = N 87° 15' 39.24" E

Course from PT WILCOX1584_A1-5 to PC WILCOX1584_A1-6 N 87° 32' 24.66" E Dist 366.5755

Curve Data
 Curve WILCOX1584_A1-6
 P.I. Station 1647+98.43 N 1,190,265.6095 E 1,811,720.0313
 Delta = 13° 14' 44.68" (LT)
 Degree = 3° 10' 59.16"
 Tangent = 208.9953
 Length = 416.1273
 Radius = 1,800.0000
 External = 12.0924
 Long Chord = 415.2013
 Mid. Ord. = 12.0118
 P.C. Station 1645+89.44 N 1,190,256.6397 E 1,811,511.2286
 P.T. Station 1650+05.56 N 1,190,322.1833 E 1,811,921.2239
 C.C. Station 1650+05.56 N 1,192,054.9811 E 1,811,433.9749
 Back = N 87° 32' 24.66" E
 Ahead = N 74° 17' 39.98" E
 Chord Bear = N 80° 55' 02.32" E
 DS = 45 MPH
 e (max) = 6.0%
 e = 4.2%
 PC-LG% = 0.54%
 PT-LG% = 0.54%

Course from PT WILCOX1584_A1-6 to PC WILCOX1584_A1-7 N 74° 17' 39.98" E Dist 163.8136

Curve Data
 Curve WILCOX1584_A1-7
 P.I. Station 1654+33.56 N 1,190,438.0405 E 1,812,333.2454
 Delta = 43° 37' 51.00" (LT)
 Degree = 8° 40' 52.24"
 Tangent = 264.1872
 Length = 502.5911
 Radius = 660.0000
 External = 50.9113
 Long Chord = 490.5353
 Mid. Ord. = 47.2653
 P.C. Station 1651+69.38 N 1,190,366.5266 E 1,812,078.9215
 P.T. Station 1656+71.97 N 1,190,665.2880 E 1,812,467.9800
 C.C. Station 1656+71.97 N 1,191,001.8858 E 1,811,900.2636
 Back = N 74° 17' 39.98" E
 Ahead = N 30° 39' 48.98" E
 Chord Bear = N 52° 28' 44.48" E
 DS = 45 MPH
 e (max) = 6.0%
 e = 6.0%
 PC-LG% = 0.54%
 PT-LG% = 0.54%

<p>PRELIMINARY NOT FOR CONSTRUCTION</p>	7					<p>SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85</p> <p>REFERENCE DATA SHEET</p> <p>INTERSTATE 85 MILE MARKER 90-97 SECTION 4</p>
	6					
	5					
	4					
	3					
	2					
	1					
SCALE: 1" = NTS	REV. NO.	BY	DATE	DESCRIPTION OF REVISION		

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FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	CHESTERFIELD SPARTANBURG	P027114	INTERSTATE 85	5L

PROPOSED DATA

Course from PT WILCOX1584_A1-7 to PC WILCOX1584_A1-8 N 30° 39' 48.98" E Dist 167.9838

Curve Data
 Curve WILCOX1584_A1-8
 P.I. Station 1650+27.12 N 1,190,970.7855 E 1,812,649.1088
 Delta = 68° 28' 50.50" (RT)
 Degree = 20° 50' 05.38"
 Tangent = 187.1730
 Length = 328.6837
 Radius = 275.0000
 External = 57.6541
 Long Chord = 309.4661
 Mid. Ord. = 47.8617
 P.C. Station 1658+39.95 N 1,190,809.7837 E 1,812,553.6511
 P.T. Station 1661+68.64 N 1,190,941.0397 E 1,812,833.9030
 C.C. N 1,190,669.5346 E 1,812,790.1996
 Back = N 30° 39' 48.98" E
 Ahead = S 80° 51' 20.52" E
 Chord Bear = N 64° 54' 14.23" E
 DS = 45 MPH
 e (max) = 4.0%
 e = 3.8%
 PC-LG% = 0.70%
 PT-LG% = 0.70%

NOTE:
 CURVE IS APPROACHING AN INTERSECTION.

Course from PT WILCOX1584_A1-8 to WILLA102 S 80° 51' 20.52" E Dist 25.1215

Point WILLA102 N 1,190,937.0474 E 1,812,858.7053 Sta 1661+93.76

Ending chain WILCOX1584_A1 description

Beginning chain UPS_DRIVE description

Point UPS100 N 1,190,649.9640 E 1,812,458.7518 Sta 10+00.00

Course from UPS100 to PC UPS_DRIVE-1 N 39° 20' 11.02" W Dist 124.2565

Curve Data
 Curve UPS_DRIVE-1
 P.I. Station 11+48.12 N 1,190,764.5285 E 1,812,364.8602
 Delta = 19° 37' 28.86" (LT)
 Degree = 41° 31' 07.25"
 Tangent = 23.8674
 Length = 47.2671
 Radius = 138.0000
 External = 2.0487
 Long Chord = 47.0364
 Mid. Ord. = 2.0188
 P.C. Station 11+24.26 N 1,190,746.0686 E 1,812,379.9890
 P.T. Station 11+71.52 N 1,190,776.8350 E 1,812,344.4102
 C.C. N 1,190,658.5943 E 1,812,273.2546
 Back = N 39° 20' 11.02" W
 Ahead = N 58° 57' 39.88" W
 Chord Bear = N 49° 08' 55.45" W

Course from PT UPS_DRIVE-1 to UPS101 N 58° 57' 39.88" W Dist 153.9340

Point UPS101 N 1,190,856.2065 E 1,812,212.5170 Sta 13+25.46

Ending chain UPS_DRIVE description

Beginning chain CANTY_ALT1 description

Curve Data
 Curve CANTY_ALT1-1
 P.I. Station 1566+48.61 N 1,188,040.9482 E 1,804,056.0940
 Delta = 13° 04' 18.62" (LT)
 Degree = 1° 27' 47.83"
 Tangent = 448.6075
 Length = 893.3199
 Radius = 3,915.3519
 External = 25.6149
 Long Chord = 891.3837
 Mid. Ord. = 25.4484
 P.C. Station 1562+00.00 N 1,187,949.2256 E 1,803,616.9634
 P.T. Station 1570+93.32 N 1,188,229.6133 E 1,804,463.1003
 C.C. N 1,191,782.0606 E 1,802,816.3868
 Back = N 78° 12' 07.44" E
 Ahead = N 65° 07' 48.82" E
 Chord Bear = N 71° 39' 58.13" E
 DS = 25 MPH
 e (max) = 6.0%
 e = 3.42%
 PC-LG% = 0.54%
 PT-LG% = 0.54%

Curve Data
 Curve CANTY_ALT1-2
 P.I. Station 1571+21.72 N 1,188,241.5559 E 1,804,488.8639
 Delta = 59° 11' 16.38" (RT)
 Degree = 114° 35' 29.61"
 Tangent = 28.3970
 Length = 51.6512
 Radius = 50.0000
 External = 7.5012
 Long Chord = 49.3850
 Mid. Ord. = 6.5226
 P.C. Station 1570+93.32 N 1,188,229.6133 E 1,804,463.1003
 P.T. Station 1571+44.97 N 1,188,225.5461 E 1,804,512.3175
 C.C. N 1,188,184.2500 E 1,804,484.1282
 Back = N 65° 07' 48.82" E
 Ahead = S 55° 40' 54.80" E
 Chord Bear = S 85° 16' 32.99" E
 DS = N/A (T-INTERSECTION)
 e (max) = 6.0%
 e = 3.42%
 PC-LG% = 0.54%
 PT-LG% = 0.54%

Course from PT CANTY_ALT1-2 to CANA102 S 55° 40' 54.80" E Dist 54.9585

Point CANA102 N 1,188,194.5612 E 1,804,557.7089 Sta 1571+99.93

Ending chain CANTY_ALT1 description

<* 9 Describe Chain HAMP_ALT1

Chain HAMP_ALT1 contains:
 CUR HAMP_ALT1-1 HA6 CUR HAMP_ALT1-2 CUR HAMP_ALT1-3 HA7

Beginning chain HAMP_ALT1 description

Curve Data
 Curve HAMP_ALT1-1
 P.I. Station 1572+02.76 N 1,188,278.1548 E 1,804,564.6056
 Delta = 43° 22' 48.69" (RT)
 Degree = 9° 32' 27.10"
 Tangent = 238.8599
 Length = 454.6780
 Radius = 600.5305
 External = 45.7596
 Long Chord = 443.8955
 Mid. Ord. = 42.5197
 P.C. Station 1569+63.90 N 1,188,052.6684 E 1,804,485.8024
 P.T. Station 1574+18.58 N 1,188,387.9161 E 1,804,776.7529
 C.C. N 1,187,854.5451 E 1,805,052.7098
 Back = N 19° 15' 48.78" E
 Ahead = N 62° 38' 37.47" E
 Chord Bear = N 40° 57' 13.13" E
 DS = 45 MPH
 e (max) = 6.0%
 e = 6.0%
 PC-LG% = 0.54%
 PT-LG% = 0.50%

Course from PT HAMP_ALT1-1 to HA6 N 62° 38' 37.47" E Dist 199.1259

Point HA6 N 1,188,479.4188 E 1,804,953.6099 Sta 1576+17.70

Course from HA6 to PC HAMP_ALT1-2 N 63° 04' 06.01" E Dist 2,367.4402

Curve Data
 Curve HAMP_ALT1-2
 P.I. Station 1608+43.64 N 1,189,940.5329 E 1,807,829.6825
 Delta = 25° 56' 35.58" (RT)
 Degree = 1° 32' 14.39"
 Tangent = 858.4934
 Length = 1,687.5510
 Radius = 3,726.9686
 External = 97.5975
 Long Chord = 1,673.1718
 Mid. Ord. = 95.1070
 P.C. Station 1599+85.14 N 1,189,551.6976 E 1,807,064.2950
 P.T. Station 1616+72.70 N 1,189,955.3426 E 1,808,688.0482
 C.C. N 1,186,228.9285 E 1,808,752.3415
 Back = N 63° 04' 06.01" E
 Ahead = N 89° 00' 41.58" E
 Chord Bear = N 76° 02' 23.80" E
 DS = 45 MPH
 e (max) = 6.0%
 e = 2.5%
 PC-LG% = 0.54%
 PT-LG% = 0.54%

Curve Data
 Curve HAMP_ALT1-3
 P.I. Station 1618+52.46 N 1,189,958.4436 E 1,808,867.7834
 Delta = 1° 01' 47.76" (LT)
 Degree = 0° 17' 11.32"
 Tangent = 179.7620
 Length = 359.5143
 Radius = 20,000.0000
 External = 0.8078
 Long Chord = 359.5094
 Mid. Ord. = 0.8078
 P.C. Station 1616+72.70 N 1,189,955.3426 E 1,808,688.0482
 P.T. Station 1620+32.21 N 1,189,964.7749 E 1,809,047.4339
 C.C. N 1,209,952.3665 E 1,808,343.0316
 Back = N 89° 00' 41.58" E
 Ahead = N 87° 58' 53.83" E
 Chord Bear = N 88° 29' 47.71" E

Course from PT HAMP_ALT1-3 to HA7 N 87° 58' 53.83" E Dist 2,067.8140

Point HA7 N 1,190,037.6035 E 1,811,113.9649 Sta 1641+00.02

Ending chain HAMP_ALT1 description

Beginning chain WILCOX1678 description

Point WILCOX16780 N 1,190,937.0474 E 1,812,858.7053 Sta 1659+89.35

Course from WILCOX16780 to PC WILCOX1678-1 S 80° 51' 20.52" E Dist 1,275.0174

Curve Data
 Curve WILCOX1678-1
 P.I. Station 1674+52.32 N 1,190,704.5507 E 1,814,303.0785
 Delta = 31° 47' 28.68" (LT)
 Degree = 8° 40' 52.24"
 Tangent = 187.9483
 Length = 366.2031
 Radius = 660.0000
 External = 26.2394
 Long Chord = 361.5236
 Mid. Ord. = 25.2361
 P.C. Station 1672+64.37 N 1,190,734.4197 E 1,814,117.5188
 P.T. Station 1676+30.57 N 1,190,776.9190 E 1,814,476.5357
 C.C. N 1,191,386.0319 E 1,814,222.4070
 Back = S 80° 51' 20.52" E
 Ahead = N 67° 21' 12.80" E
 Chord Bear = N 83° 14' 56.14" E
 DS = 45 MPH
 e (max) = 6.0%
 e = 6.0%
 PC-LG% = 0.54%
 PT-LG% = 0.54%

Course from PT WILCOX1678-1 to WILCOX16781 N 67° 21' 12.80" E Dist 253.6041

Point WILCOX16781 N 1,190,874.5676 E 1,814,710.5865 Sta 1678+84.18

Ending chain WILCOX1678 description

Beginning chain WILCOX1716_A2 description

Curve Data
 Curve WILCOX1716_A2-1
 P.I. Station 1715+60.92 N 1,192,286.9880 E 1,818,105.2131
 Delta = 1° 59' 40.12" (LT)
 Degree = 0° 52' 53.30"
 Tangent = 113.1446
 Length = 226.2663
 Radius = 6,500.0000
 External = 0.9847
 Long Chord = 226.2549
 Mid. Ord. = 0.9845
 P.C. Station 1714+47.77 N 1,192,243.4244 E 1,818,000.7913
 P.T. Station 1716+74.04 N 1,192,334.1594 E 1,818,208.0554
 C.C. N 1,198,242.3122 E 1,815,498.1236
 Back = N 67° 21' 16.77" E
 Ahead = N 65° 21' 36.65" E
 Chord Bear = N 66° 21' 26.71" E
 DS = 45 MPH
 e (max) = 6.0%
 e = NC
 PC-LG% = 0.54%
 PT-LG% = 0.54%

Curve Data
 Curve WILCOX1716_A2-2
 P.I. Station 1717+91.65 N 1,192,383.1938 E 1,818,314.9596
 Delta = 2° 04' 23.64" (RT)
 Degree = 0° 52' 53.30"
 Tangent = 117.6132
 Length = 235.2008
 Radius = 6,500.0000
 External = 1.0640
 Long Chord = 235.1879
 Mid. Ord. = 1.0638
 P.C. Station 1716+74.04 N 1,192,334.1594 E 1,818,208.0554
 P.T. Station 1719+09.24 N 1,192,428.3287 E 1,818,423.5676
 C.C. N 1,186,426.0066 E 1,820,917.9872
 Back = N 65° 21' 36.65" E
 Ahead = N 67° 26' 00.29" E
 Chord Bear = N 66° 23' 48.47" E
 DS = 45 MPH
 e (max) = 6.0%
 e = NC
 PC-LG% = 0.50%
 PT-LG% = 0.54%

<p>PRELIMINARY NOT FOR CONSTRUCTION</p>	7					<p>SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85</p>
	6					
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	SCALE: 1" = NTS	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	<p>REFERENCE DATA SHEET</p> <p>INTERSTATE 85 MILE MARKER 90-97 SECTION 4</p>

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FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	CHEROKEE SPARTANBURG	P027114	INTERSTATE 85	5M

PROPOSED DATA

Course from PT WILCOX1716_A2-2 to PC WILCOX1716_A2-3 N 67° 26' 00.29" E Dist 257.2942

Curve Data
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Curve WILCOX1716_A2-3
 P.I. Station = 1723+98.33 N 1,192,616.0204 E 1,818,875.2101
 Delta = 38° 42' 11.32" (LT)
 Degree = 8° 40' 52.24"
 Tangent = 231.7958
 Length = 445.8282
 Radius = 660.0000
 External = 39.5208
 Long Chord = 437.4002
 Mid. Ord. = 37.2880
 P.C. Station = 1721+66.53 N 1,192,527.0671 E 1,818,661.1619
 P.T. Station = 1726+12.36 N 1,192,819.2804 E 1,818,986.6313
 C.C. = N 1,193,136.5337 E 1,818,407.8823
 Back = N 67° 26' 00.29" E
 Ahead = N 28° 43' 48.97" E
 Chord Bear = N 48° 04' 54.63" E
 DS = 45 MPH
 e (max) = 6.0%
 e = 6.0%
 PC-LG% = 0.50%
 PT-LG% = 0.54%

Course from PT WILCOX1716_A2-3 to PC WILCOX1716_A2-4 N 28° 43' 48.97" E Dist 681.8456

Curve Data
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Curve WILCOX1716_A2-4
 P.I. Station = 1738+27.60 N 1,193,884.9125 E 1,819,570.7798
 Delta = 62° 43' 55.77" (RT)
 Degree = 6° 32' 53.12"
 Tangent = 533.3915
 Length = 958.0224
 Radius = 875.0000
 External = 149.7592
 Long Chord = 910.8824
 Mid. Ord. = 127.8733
 P.C. Station = 1732+94.21 N 1,193,417.1855 E 1,819,314.3855
 P.T. Station = 1742+52.23 N 1,193,871.2995 E 1,820,103.9975
 C.C. = N 1,192,996.5846 E 1,820,081.6663
 Back = N 28° 43' 48.97" E
 Ahead = S 88° 32' 15.25" E
 Chord Bear = N 60° 05' 46.86" E
 DS = 45 MPH
 e (max) = 6.0%
 e = 5.8%
 PC-LG% = 0.50%
 PT-LG% = 0.54%

Ending chain WILCOX1716_A2 description

Beginning chain WILCOX1755_A1 description

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Curve Data
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Curve WILCOX1755_A11
 P.I. Station = 1737+34.35 N 1,193,859.9957 E 1,820,546.7708
 Delta = 53° 41' 46.65" (RT)
 Degree = 6° 32' 53.12"
 Tangent = 442.9176
 Length = 820.0299
 Radius = 875.0000
 External = 105.7145
 Long Chord = 790.3480
 Mid. Ord. = 94.3192
 P.C. Station = 1732+91.44 N 1,193,871.2995 E 1,820,103.9975
 P.T. Station = 1741+11.46 N 1,193,496.4765 E 1,820,799.8119
 C.C. = N 1,192,996.5846 E 1,820,081.6663
 Back = S 88° 32' 15.25" E
 Ahead = S 34° 50' 28.61" E
 Chord Bear = S 61° 41' 21.93" E
 DS = 45 MPH
 e (max) = 6.0%
 e = 5.7%
 PC-LG% = 0.54%
 PT-LG% = 0.54%

Course from PT WILCOX1755_A11 to PC WILCOX1755_A12 S 34° 50' 28.61" E Dist 284.9361

Curve Data
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Curve WILCOX1755_A12
 P.I. Station = 1747+55.90 N 1,192,967.5613 E 1,821,167.9829
 Delta = 57° 09' 15.62" (LT)
 Degree = 8° 40' 52.24"
 Tangent = 359.5026
 Length = 658.3707
 Radius = 660.0000
 External = 91.5598
 Long Chord = 631.4114
 Mid. Ord. = 80.4054
 P.C. Station = 1743+96.40 N 1,193,262.6187 E 1,820,962.5973
 P.T. Station = 1750+54.77 N 1,192,980.0803 E 1,821,527.2674
 C.C. = N 1,193,639.6800 E 1,821,504.2842
 Back = S 34° 50' 28.61" E
 Ahead = N 88° 00' 15.77" E
 Chord Bear = S 63° 25' 06.42" E
 DS = 45 MPH
 e (max) = 6.0%
 e = 6.0%
 PC-LG% = 0.54%
 PT-LG% = 0.54%

Course from PT WILCOX1755_A12 to 861 N 88° 00' 15.77" E Dist 500.4581
 Point 861 N 1,192,997.5078 E 1,822,027.4220 Sta 1755+55.23

Ending chain WILCOX1755_A1 description

Beginning chain 95S518 description

Point S518951 N 1,189,963.0240 E 1,808,888.9153 Sta 10+00.00

Course from S518951 to S518952 S 3° 21' 00.13" E Dist 588.9199

Point S518952 N 1,189,375.1105 E 1,808,923.3294 Sta 15+88.92

Ending chain 95S518 description

Beginning chain 95SC18 description

Point SC18951 N 1,189,178.29 E 1,812,220.29 Sta 100+00.00

Course from SC18951 to PC 95SC18-1 S 75° 53' 43.37" E Dist 315.48

Curve Data
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Curve 95SC18-1
 P.I. Station = 105+93.23 N 1,189,033.72 E 1,812,795.64
 Delta = 45° 38' 50.02" (LT)
 Degree = 8° 40' 52.24"
 Tangent = 277.76
 Length = 525.82
 Radius = 660.00
 External = 56.07
 Long Chord = 512.02
 Mid. Ord. = 51.68
 P.C. Station = 103+15.48 N 1,189,101.41 E 1,812,526.26
 P.T. Station = 108+41.29 N 1,189,179.03 E 1,813,032.36
 C.C. = N 1,189,741.51 E 1,812,687.09
 Back = S 75° 53' 43.37" E
 Ahead = N 58° 27' 26.62" E
 Chord Bear = N 81° 16' 51.63" E

DS = 45 MPH
 e (max) = 6.0%
 e = 6.0%
 PC-LG% = 0.54%
 PT-LG% = 0.54%

Course from PT 95SC18-1 to PC 95SC18-2 N 58° 27' 26.62" E Dist 1,122.57

Curve Data
-----*

Curve 95SC18-2
 P.I. Station = 120+88.36 N 1,189,831.4072 E 1,814,095.1712
 Delta = 21° 21' 46.02" (LT)
 Degree = 8° 40' 52.24"
 Tangent = 124.4863
 Length = 246.0816
 Radius = 660.0000
 External = 11.6374
 Long Chord = 244.6587
 Mid. Ord. = 11.4358
 P.C. Station = 119+63.87 N 1,189,766.2844 E 1,813,989.0776
 P.T. Station = 122+09.95 N 1,189,930.7026 E 1,814,170.2530
 C.C. = N 1,190,328.7703 E 1,813,643.8101
 Back = N 58° 27' 26.62" E
 Ahead = N 37° 05' 40.60" E
 Chord Bear = N 47° 46' 33.61" E

DS = 45 MPH
 e (max) = 6.0%
 e = 6.0%
 PC-LG% = 0.54%
 PT-LG% = 0.54%

Course from PT 95SC18-2 to PC 95SC18-3 N 37° 05' 40.60" E Dist 355.8697

Curve Data
-----*

Curve 95SC18-3
 P.I. Station = 127+05.56 N 1,190,326.0188 E 1,814,469.1698
 Delta = 23° 54' 30.96" (RT)
 Degree = 8° 40' 52.24"
 Tangent = 139.7372
 Length = 275.4073
 Radius = 660.0000
 External = 14.6306
 Long Chord = 273.4135
 Mid. Ord. = 14.3133
 P.C. Station = 125+65.82 N 1,190,214.5587 E 1,814,384.8897
 P.T. Station = 128+41.23 N 1,190,393.7579 E 1,814,591.3906
 C.C. = N 1,189,816.4910 E 1,814,911.3326
 Back = N 37° 05' 40.60" E
 Ahead = N 61° 00' 11.55" E
 Chord Bear = N 49° 02' 56.07" E

DS = 45 MPH
 e (max) = 6.0%
 e = 6.0%
 PC-LG% = 0.54%
 PT-LG% = 0.54%

Course from PT 95SC18-3 to SC18952 N 61° 00' 11.55" E Dist 630.5990

Point SC18952 N 1,190,699.4475 E 1,815,142.9419 Sta 134+71.83

Ending chain 95SC18 description

Beginning chain 95S614 description

Point S614951 N 1,189,647.71 E 1,811,111.90 Sta 1641+25.32

Course from S614951 to PC 95S614-1 N 89° 44' 13.33" E Dist 334.15

Curve Data
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Curve 95S614-1
 P.I. Station = 1647+17.53 N 1,189,650.43 E 1,811,704.10
 Delta = 42° 42' 39.12" (RT)
 Degree = 8° 40' 52.24"
 Tangent = 258.06
 Length = 491.99
 Radius = 660.00
 External = 48.66
 Long Chord = 480.68
 Mid. Ord. = 45.32
 P.C. Station = 1644+59.47 N 1,189,649.25 E 1,811,446.04
 P.T. Station = 1649+51.46 N 1,189,476.26 E 1,811,894.52
 C.C. = N 1,188,989.25 E 1,811,449.07
 Back = N 89° 44' 13.33" E
 Ahead = S 47° 33' 07.55" E
 Chord Bear = S 68° 54' 27.11" E

DS = 45 MPH
 e (max) = 6.0%
 e = 6.0%
 PC-LG% = 0.54%
 PT-LG% = 0.54%

Course from PT 95S614-1 to S614952 S 47° 33' 07.55" E Dist 441.49

Point S614952 N 1,189,178.29 E 1,812,220.29 Sta 1653+92.95

Ending chain 95S614 description

Beginning chain 95S544 description

Point S544951 N 1,189,235.1913 E 1,808,563.0902 Sta 2+68.13
 Course from S544951 to PC 95S544-1 N 42° 15' 45.62" E Dist 311.0498

Curve Data
-----*

Curve 95S544-1
 P.I. Station = 6+63.16 N 1,189,527.5396 E 1,808,828.7588
 Delta = 45° 33' 15.70" (RT)
 Degree = 28° 38' 52.40"
 Tangent = 83.9785
 Length = 159.0147
 Radius = 200.0000
 External = 16.9156
 Long Chord = 154.8594
 Mid. Ord. = 15.5965
 P.C. Station = 5+79.18 N 1,189,465.3897 E 1,808,772.2807
 P.T. Station = 7+38.19 N 1,189,530.7384 E 1,808,912.6764
 C.C. = N 1,189,330.8836 E 1,808,920.2946
 Back = N 42° 15' 45.62" E
 Ahead = N 87° 49' 01.32" E
 Chord Bear = N 65° 02' 23.47" E

DS = 25 MPH
 e (max) = 6.0%
 e = 6.0%
 PC-LG% = 0.70%
 PT-LG% = 0.70%

Course from PT 95S544-1 to S544952 N 87° 49' 01.32" E Dist 461.8101
 Point S544952 N 1,189,548.3291 E 1,809,374.1514 Sta 12+00.00

Ending chain 95S544 description

Beginning chain 95S518 description

Point 9520 N 1,189,959.8227 E 1,808,889.1027 Sta 10+03.21

Course from 9520 to PC 95S518-1 S 3° 21' 00.13" E Dist 460.1647

Curve Data
-----*

Curve 95S518-1
 P.I. Station = 15+57.58 N 1,189,406.3994 E 1,808,921.4978
 Delta = 4° 18' 57.74" (LT)
 Degree = 2° 17' 30.59"
 Tangent = 94.2059
 Length = 188.3227
 Radius = 2,500.0000
 External = 1.7743
 Long Chord = 188.2782
 Mid. Ord. = 1.7731
 P.C. Station = 14+63.37 N 1,189,500.4443 E 1,808,915.9928
 P.T. Station = 16+51.70 N 1,189,313.0355 E 1,808,934.0649
 C.C. = N 1,189,646.5339 E 1,811,411.7208
 Back = S 3° 21' 00.13" E
 Ahead = S 7° 39' 57.86" E
 Chord Bear = S 5° 30' 28.99" E

DS = 25 MPH
 e (max) = 6.0%
 e = NC
 PC-LG% = 0.70%
 PT-LG% = 0.70%

Ending chain 95S518 description

<p style="font-size: 2em; color: red; margin: 0;">PRELIMINARY NOT FOR CONSTRUCTION</p>	7				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85 REFERENCE DATA SHEET INTERSTATE 85 MILE MARKER 90-97 SECTION 4
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SCALE: 1" = NTS	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

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PROPOSED DATA

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	CHEROKEE SPARTANBURG	P027114	INTERSTATE 85	5N

Beginning chain 96RACE_ALT1 description
 Point 900 N 1,191,808.1909 E 1,820,941.5619 Sta 4+45.76
 Course from 900 to PC 96RACE_ALT11 S 48° 00' 08.43" W Dist 115.7069

Curve Data
 Curve 96RACE_ALT11
 P.I. Station 6+26.70 N 1,191,687.1266 E 1,820,807.0954
 Delta = 3° 44' 09.68" (LT)
 Degree = 2° 51' 53.24"
 Tangent = 65.2290
 Length = 130.4118
 Radius = 2,000.0000
 External = 1.0634
 Long Chord = 130.3887
 Mid. Ord. = 1.0629
 P.C. Station 5+61.47 N 1,191,730.7714 E 1,820,855.5717
 P.T. Station 6+91.88 N 1,191,640.4160 E 1,820,761.5659
 C.C. N 1,190,244.4271 E 1,822,193.7722
 Back = S 48° 00' 08.43" W
 Ahead = S 44° 15' 58.75" W
 Chord Bear = S 46° 08' 03.59" W
 DS = 45
 e (max) = 6%
 e = NC
 PC-LG% = N/A
 PT-LG% = N/A

Course from PT 96RACE_ALT11 to 901 S 44° 15' 58.75" W Dist 307.4586
 Point 901 N 1,191,420.2439 E 1,820,546.9615 Sta 9+99.34

Ending chain 96RACE_ALT1 description
 Beginning chain S793 description

Point S79301 N 1,188,961.9670 E 1,805,903.4629 Sta 10+00.00
 Course from S79301 to PC S7931 S 26° 55' 53.99" E Dist 86.5937

Curve Data
 Curve S7931
 P.I. Station 11+33.33 N 1,188,843.0970 E 1,805,963.8516
 Delta = 39° 32' 52.81" (LT)
 Degree = 44° 04' 25.24"
 Tangent = 46.7363
 Length = 89.7316
 Radius = 130.0000
 External = 8.1459
 Long Chord = 87.9608
 Mid. Ord. = 7.0655
 P.C. Station 10+86.59 N 1,188,884.7646 E 1,805,942.6835
 P.T. Station 11+76.33 N 1,188,824.4458 E 1,806,006.7050
 C.C. N 1,188,943.6452 E 1,806,058.5847
 Back = S 26° 55' 53.99" E
 Ahead = S 66° 28' 46.80" E
 Chord Bear = S 46° 42' 20.40" E
 DS = N/A
 e (max) = N/A
 e = NC
 PC-LG% = N/A
 PT-LG% = N/A

Course from PT S7931 to S79302 S 66° 28' 46.80" E Dist 100.0000
 Point S79302 N 1,188,784.5383 E 1,806,098.3968 Sta 12+76.33

Ending chain S793 description
 Beginning chain 96COMMN description

Point COMM05 N 1,191,412.2170 E 1,820,555.1967 Sta 10+00.00
 Course from COMM05 to PC 96COMMN1 S 44° 15' 58.75" W Dist 72.0463

Curve Data
 Curve 96COMMN1
 P.I. Station 11+06.77 N 1,191,335.7569 E 1,820,480.6701
 Delta = 3° 20' 50.07" (LT)
 Degree = 4° 49' 15.05"
 Tangent = 34.7262
 Length = 69.4323
 Radius = 1,188.5000
 External = 0.5072
 Long Chord = 69.4227
 Mid. Ord. = 0.5070
 P.C. Station 10+72.05 N 1,191,360.6244 E 1,820,504.9088
 P.T. Station 11+41.48 N 1,191,309.5166 E 1,820,457.9247
 C.C. N 1,190,531.0580 E 1,821,355.9974
 Back = S 44° 15' 58.75" W
 Ahead = S 40° 55' 08.68" W
 Chord Bear = S 42° 35' 33.72" W
 DS = N/A
 e (max) = N/A
 e = MATCH EXISTING
 PC-LG% = N/A
 PT-LG% = N/A

Course from PT 96COMMN1 to COMM06 S 40° 55' 08.68" W Dist 48.1219
 Point COMM06 N 1,191,273.1539 E 1,820,426.4053 Sta 11+89.60

Ending chain 96COMMN description

Beginning chain 96COMMSB description
 Point COMM01 N 1,191,428.2708 E 1,820,538.7263 Sta 10+00.00
 Course from COMM01 to PC 96COMMSB1 S 44° 15' 58.75" W Dist 118.4696

Curve Data
 Curve 96COMMSB1
 P.I. Station 11+80.53 N 1,191,298.9910 E 1,820,412.7157
 Delta = 14° 25' 21.35" (RT)
 Degree = 11° 40' 51.95"
 Tangent = 62.0628
 Length = 123.4696
 Radius = 490.5000
 External = 3.9108
 Long Chord = 123.1438
 Mid. Ord. = 3.8799
 P.C. Station 11+18.47 N 1,191,343.4344 E 1,820,456.0352
 P.T. Station 12+41.94 N 1,191,266.7379 E 1,820,359.6918
 C.C. N 1,191,685.8007 E 1,820,104.7866
 Back = S 44° 15' 58.75" W
 Ahead = S 58° 41' 20.10" W
 Chord Bear = S 51° 28' 39.43" W
 DS = N/A
 e (max) = N/A
 e = MATCH EXISTING
 PC-LG% = N/A
 PT-LG% = N/A

Course from PT 96COMMSB1 to COMM02 S 58° 41' 20.10" W Dist 164.3736
 Point COMM02 N 1,191,181.3155 E 1,820,219.2578 Sta 14+06.31

Ending chain 96COMMSB description
 Beginning chain EXS663 description

Point S66301 N 1,191,722.6621 E 1,819,979.5426 Sta 1729+23.58
 Course from S66301 to PC S66302 N 11° 48' 16.35" E Dist 341.2591

Curve Data
 Curve S66302
 P.I. Station 1735+53.76 N 1,192,339.5183 E 1,820,108.4616
 Delta = 40° 19' 06.83" (RT)
 Degree = 7° 16' 49.00"
 Tangent = 288.9248
 Length = 553.8054
 Radius = 787.0000
 External = 51.3594
 Long Chord = 542.4494
 Mid. Ord. = 48.2131
 P.C. Station 1732+64.84 N 1,192,056.7040 E 1,820,049.3552
 P.T. Station 1738+18.64 N 1,192,516.9086 E 1,820,336.5191
 C.C. N 1,191,895.7045 E 1,820,819.7111
 Back = N 11° 48' 16.35" E
 Ahead = N 52° 07' 23.18" E
 Chord Bear = N 31° 57' 49.76" E
 DS = MATCH EXISTING
 e (max) = MATCH EXISTING
 e = MATCH EXISTING
 PC-LG% = MATCH EXISTING
 PT-LG% = MATCH EXISTING

Course from PT S66302 to PC S66303 N 52° 07' 23.18" E Dist 26.0054

Curve Data
 Curve S66303
 P.I. Station 1740+29.64 N 1,192,646.4507 E 1,820,503.0618
 Delta = 30° 00' 56.72" (RT)
 Degree = 8° 18' 13.45"
 Tangent = 184.9866
 Length = 361.4729
 Radius = 690.0000
 External = 24.3669
 Long Chord = 357.3536
 Mid. Ord. = 23.5357
 P.C. Station 1738+44.65 N 1,192,532.8750 E 1,820,357.0460
 P.T. Station 1742+06.12 N 1,192,671.7518 E 1,820,686.3100
 C.C. N 1,191,988.2361 E 1,820,780.6832
 Back = N 52° 07' 23.18" E
 Ahead = N 82° 08' 19.90" E
 Chord Bear = N 67° 07' 51.54" E
 DS = MATCH EXISTING
 e (max) = MATCH EXISTING
 e = MATCH EXISTING
 PC-LG% = MATCH EXISTING
 PT-LG% = MATCH EXISTING

Course from PT S66303 to PC S66304 N 82° 08' 19.90" E Dist 82.6555

Curve Data
 Curve S66304
 P.I. Station 1744+02.15 N 1,192,698.5636 E 1,820,880.4995
 Delta = 4° 43' 18.02" (RT)
 Degree = 2° 05' 00.54"
 Tangent = 113.3761
 Length = 226.6239
 Radius = 2,750.0000
 External = 2.3361
 Long Chord = 226.5598
 Mid. Ord. = 2.3341
 P.C. Station 1742+88.78 N 1,192,683.0569 E 1,820,768.1888
 P.T. Station 1745+15.40 N 1,192,704.7728 E 1,820,993.7055
 C.C. N 1,189,958.9001 E 1,821,144.3137
 Back = N 82° 08' 19.90" E
 Ahead = N 86° 51' 37.92" E
 Chord Bear = N 84° 29' 58.91" E
 DS = MATCH EXISTING
 e (max) = MATCH EXISTING
 e = MATCH EXISTING
 PC-LG% = MATCH EXISTING
 PT-LG% = MATCH EXISTING

Course from PT S66304 to PC S66305 N 86° 51' 37.92" E Dist 160.3618

Curve Data
 Curve S66305
 P.I. Station 1752+05.91 N 1,192,742.5896 E 1,821,683.1772
 Delta = 2° 45' 39.03" (RT)
 Degree = 0° 15' 37.57"
 Tangent = 530.1463
 Length = 1,060.0875
 Radius = 22,000.0000
 External = 6.3867
 Long Chord = 1,059.9850
 Mid. Ord. = 6.3848
 P.C. Station 1746+75.76 N 1,192,713.5553 E 1,821,153.8266
 P.T. Station 1757+35.85 N 1,192,746.0930 E 1,822,213.3120
 C.C. N 1,170,746.5733 E 1,822,358.6925
 Back = N 86° 51' 37.92" E
 Ahead = N 89° 37' 16.95" E
 Chord Bear = N 88° 14' 27.43" E
 DS = MATCH EXISTING
 e (max) = MATCH EXISTING
 e = MATCH EXISTING
 PC-LG% = MATCH EXISTING
 PT-LG% = MATCH EXISTING

Course from PT S66305 to S66306 N 89° 37' 16.95" E Dist 238.6055
 Point S66306 N 1,192,747.6697 E 1,822,451.9123 Sta 1759+74.46

Ending chain EXS663 description
 Beginning chain 96SC18_ALT1 description

Point 820 N 1,191,996.5762 E 1,818,607.0833 Sta 84+39.07
 Course from 820 to PC 96SC18_ALT11 S 78° 52' 42.38" E Dist 1,213.6694

Curve Data
 Curve 96SC18_ALT11
 P.I. Station 97+45.90 N 1,191,744.5001 E 1,819,889.3714
 Delta = 23° 23' 33.89" (LT)
 Degree = 12° 43' 56.62"
 Tangent = 93.1608
 Length = 183.7262
 Radius = 450.0000
 External = 9.5421
 Long Chord = 182.4528
 Mid. Ord. = 9.3440
 P.C. Station 96+52.74 N 1,191,762.4700 E 1,819,797.9602
 P.T. Station 98+36.47 N 1,191,764.3004 E 1,819,980.4038
 C.C. N 1,192,204.0191 E 1,819,884.7612
 Back = S 78° 52' 42.38" E
 Ahead = N 77° 43' 43.74" E
 Chord Bear = N 89° 25' 30.68" E
 DS = 35 MPH
 e (max) = 4.0%
 e = 4.0%
 PC-LG% = 0.62%
 PT-LG% = 0.62%

Course from PT 96SC18_ALT11 to 821 N 77° 43' 43.74" E Dist 244.5669
 Point 821 N 1,191,816.2804 E 1,820,219.3829 Sta 100+81.03

Ending chain 96SC18_ALT1 description
 Beginning chain UPS_DRIVE2 description

Point UPS50 N 1,190,741.3570 E 1,812,513.0811 Sta 100+00.00
 Course from UPS50 to PC UPS_DRIVE2-1 N 59° 20' 11.02" W Dist 111.4606

Curve Data
 Curve UPS_DRIVE2-1
 P.I. Station 101+52.88 N 1,190,819.3263 E 1,812,381.5756
 Delta = 45° 00' 00.00" (RT)
 Degree = 57° 17' 44.81"
 Tangent = 41.4214
 Length = 78.5398
 Radius = 100.0000
 External = 8.2392
 Long Chord = 76.5367
 Mid. Ord. = 7.6120
 P.C. Station 101+11.46 N 1,190,798.2015 E 1,812,417.2053
 P.T. Station 101+90.00 N 1,190,859.4577 E 1,812,371.3191
 C.C. N 1,190,884.2191 E 1,812,468.2050
 Back = N 59° 20' 11.02" W
 Ahead = N 14° 20' 11.02" W
 Chord Bear = N 36° 50' 11.02" W
 DS = N/A
 e (max) = N/A
 e = NC
 PC-LG% = N/A
 PT-LG% = N/A

Course from PT UPS_DRIVE2-1 to UPS51 N 14° 20' 11.02" W Dist 56.0170
 Point UPS51 N 1,190,913.7303 E 1,812,357.4485 Sta 102+46.02

Ending chain UPS_DRIVE2 description

<p>PRELIMINARY NOT FOR CONSTRUCTION</p>	7					<p>SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85</p> <p>REFERENCE DATA SHEET</p> <p>INTERSTATE 85 MILE MARKER 90-97 SECTION 4</p>
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SCALE: 1" = NTS	REV. NO.	BY	DATE	DESCRIPTION OF REVISION		

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PROPOSED DATA

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	CHEROKEE SPARTANBURG	P027114	INTERSTATE 85	50

Beginning chain 96ROUND1 description

Curve Data

Curve 96ROUND11
P.I. Station = 10+29.67 N 1,192,453.9207 E 1,819,987.6501
Delta = 49° 04' 05.72" (LT)
Degree = 88° 08' 50.47"
Tangent = 29.6690
Length = 55.6662
Radius = 65.0000
External = 6.4510
Long Chord = 53.9806
Mid. Ord. = 5.8686
P.C. Station = 10+00.00 N 1,192,447.9210 E 1,819,958.5941
P.T. Station = 10+55.67 N 1,192,479.8029 E 1,820,002.1538
C.C. = N 1,192,511.5781 E 1,819,945.4498
Back = N 78° 19' 59.64" E
Ahead = N 29° 15' 53.92" E
Chord Bear = N 53° 47' 56.78" E

Curve Data

Curve 96ROUND12
P.I. Station = 11+92.15 N 1,192,598.8711 E 1,820,068.8760
Delta = 129° 04' 10.38" (LT)
Degree = 88° 08' 50.47"
Tangent = 136.4885
Length = 146.4248
Radius = 65.0000
External = 86.1757
Long Chord = 117.3700
Mid. Ord. = 37.0524
P.C. Station = 10+55.67 N 1,192,479.8029 E 1,820,002.1538
P.T. Station = 12+02.09 N 1,192,575.6288 E 1,819,934.3811
C.C. = N 1,192,511.5781 E 1,819,945.4498
Back = N 29° 15' 53.92" E
Ahead = S 80° 11' 43.54" W
Chord Bear = N 35° 16' 11.27" W

Curve Data

Curve 96ROUND13
P.I. Station = 13+10.78 N 1,192,557.1210 E 1,819,827.2833
Delta = 118° 14' 10.67" (LT)
Degree = 88° 08' 50.47"
Tangent = 108.6852
Length = 134.1348
Radius = 65.0000
External = 61.6391
Long Chord = 111.5696
Mid. Ord. = 31.6375
P.C. Station = 12+02.09 N 1,192,575.6288 E 1,819,934.3811
P.T. Station = 13+36.23 N 1,192,471.5236 E 1,819,894.2577
C.C. = N 1,192,511.5781 E 1,819,945.4498
Back = S 80° 11' 43.54" W
Ahead = S 38° 02' 27.13" E
Chord Bear = S 21° 04' 38.20" W

Curve Data

Curve 96ROUND14
P.I. Station = 13+76.55 N 1,192,439.7671 E 1,819,919.1051
Delta = 63° 37' 33.23" (LT)
Degree = 88° 08' 50.47"
Tangent = 40.3220
Length = 72.1813
Radius = 65.0000
External = 11.4910
Long Chord = 68.5292
Mid. Ord. = 9.7647
P.C. Station = 13+36.23 N 1,192,471.5236 E 1,819,894.2577
P.T. Station = 14+08.41 N 1,192,447.9210 E 1,819,958.5941
C.C. = N 1,192,511.5781 E 1,819,945.4498
Back = S 38° 02' 27.13" E
Ahead = N 78° 19' 59.64" E
Chord Bear = S 69° 51' 13.75" E

Ending chain 96ROUND1 description

Beginning chain 96ROUND2 description

Curve Data

Curve 96ROUND21
P.I. Station = 21+04.78 N 1,193,062.4581 E 1,820,023.6186
Delta = 116° 22' 26.77" (LT)
Degree = 88° 08' 50.47"
Tangent = 104.7814
Length = 132.0222
Radius = 65.0000
External = 58.3051
Long Chord = 110.4706
Mid. Ord. = 30.7354
P.C. Station = 20+00.00 N 1,193,074.1045 E 1,819,919.4864
P.T. Station = 21+32.02 N 1,193,160.9251 E 1,819,987.7940
C.C. = N 1,193,138.7017 E 1,819,926.7111
Back = S 83° 37' 06.44" E
Ahead = N 19° 59' 33.21" W
Chord Bear = N 38° 11' 40.17" E

Curve Data

Curve 96ROUND22
P.I. Station = 21+70.90 N 1,193,197.4562 E 1,819,974.5031
Delta = 61° 45' 49.33" (LT)
Degree = 88° 08' 50.47"
Tangent = 38.8737
Length = 70.0687
Radius = 65.0000
External = 10.7375
Long Chord = 66.7250
Mid. Ord. = 9.2152
P.C. Station = 21+32.02 N 1,193,160.9251 E 1,819,987.7940
P.T. Station = 22+02.09 N 1,193,203.0301 E 1,819,936.0311
C.C. = N 1,193,138.7017 E 1,819,926.7111
Back = N 19° 59' 33.21" W
Ahead = N 81° 45' 22.54" W
Chord Bear = N 50° 52' 27.87" W

Curve Data

Curve 96ROUND23
P.I. Station = 22+43.45 N 1,193,208.9596 E 1,819,895.1043
Delta = 64° 55' 49.62" (LT)
Degree = 88° 08' 50.47"
Tangent = 41.3541
Length = 73.6613
Radius = 65.0000
External = 12.0400
Long Chord = 69.7824
Mid. Ord. = 10.1584
P.C. Station = 22+02.09 N 1,193,203.0301 E 1,819,936.0311
P.T. Station = 22+75.75 N 1,193,174.4008 E 1,819,872.3919
C.C. = N 1,193,138.7017 E 1,819,926.7111
Back = N 81° 45' 22.54" W
Ahead = S 33° 18' 47.84" W
Chord Bear = S 65° 46' 42.65" W

Curve Data

Curve 96ROUND24
P.I. Station = 23+81.68 N 1,193,085.8783 E 1,819,814.2141
Delta = 116° 55' 54.28" (LT)
Degree = 88° 08' 50.47"
Tangent = 105.9287
Length = 132.6549
Radius = 65.0000
External = 59.2815
Long Chord = 110.8027
Mid. Ord. = 31.0046
P.C. Station = 22+75.75 N 1,193,174.4008 E 1,819,872.3919
P.T. Station = 24+08.41 N 1,193,074.1045 E 1,819,919.4864
C.C. = N 1,193,138.7017 E 1,819,926.7111
Back = S 33° 18' 47.84" W
Ahead = S 83° 37' 06.44" E
Chord Bear = S 25° 09' 09.30" E

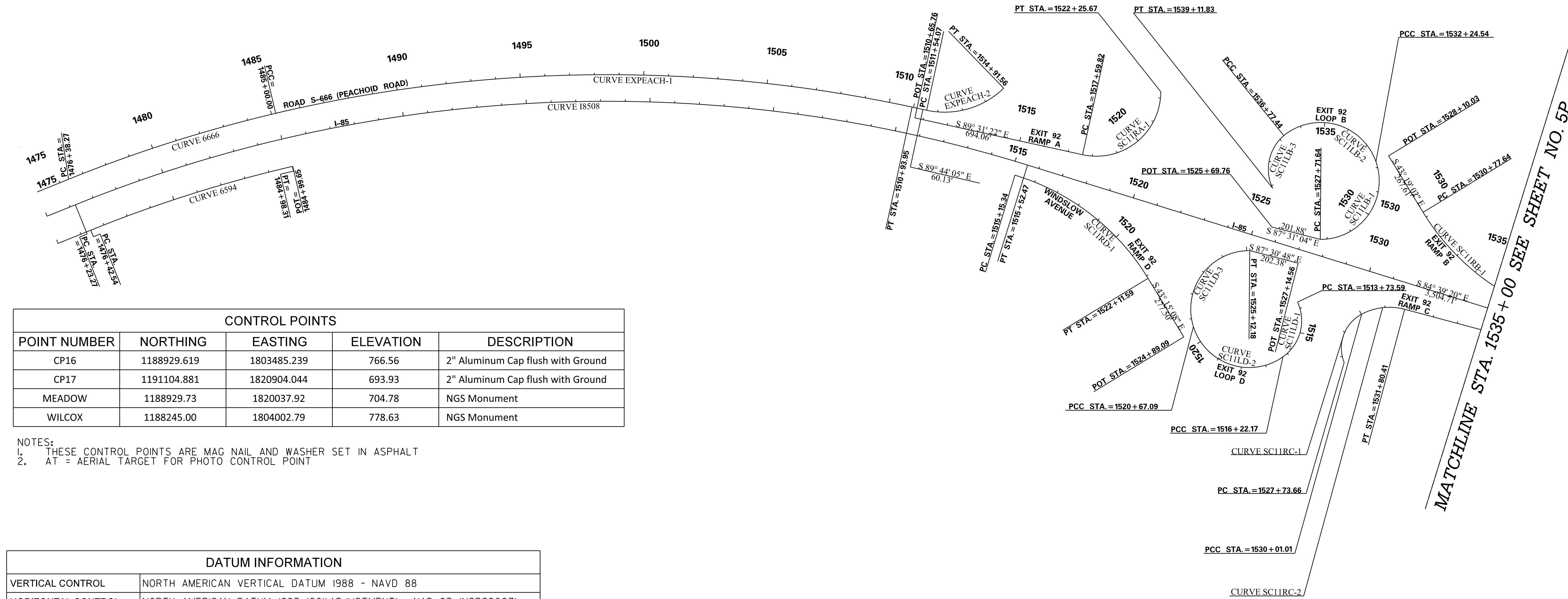
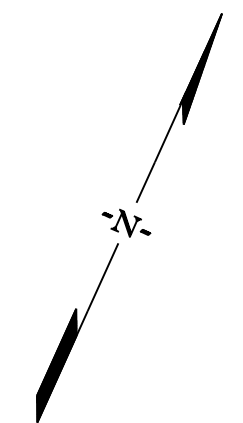
Ending chain 96ROUND2 description

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PRELIMINARY NOT FOR CONSTRUCTION	7				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85
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SCALE: 1" = NTS	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	REFERENCE DATA SHEET
					INTERSTATE 85 MILE MARKER 90-97 SECTION 4

EXISTING

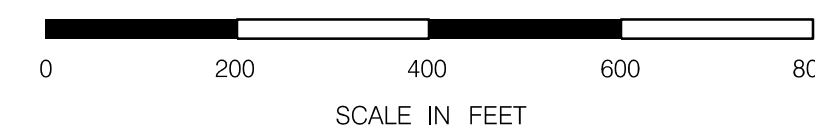
EXIT 92



CONTROL POINTS				
POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP16	1188929.619	1803485.239	766.56	2" Aluminum Cap flush with Ground
CP17	1191104.881	1820904.044	693.93	2" Aluminum Cap flush with Ground
MEADOW	1188929.73	1820037.92	704.78	NGS Monument
WILCOX	1188245.00	1804002.79	778.63	NGS Monument

- NOTES:
 1. THESE CONTROL POINTS ARE MAG NAIL AND WASHER SET IN ASPHALT
 2. AT = AERIAL TARGET FOR PHOTO CONTROL POINT

DATUM INFORMATION	
VERTICAL CONTROL	NORTH AMERICAN VERTICAL DATUM 1988 - NAVD 88
HORIZONTAL CONTROL	NORTH AMERICAN DATUM 1983 (2011 ADJUSTMENT) - NAD 83 (NSRS2007)
COORDINATES	SOUTH CAROLINA STATE PLANE COORDINATE SYSTEM
ORIENTATION	GRID NORTH
COMBINED SCALE FACTOR	1.00003665



PRELIMINARY
NOT FOR CONSTRUCTION

SCALE: 1" = 200'

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

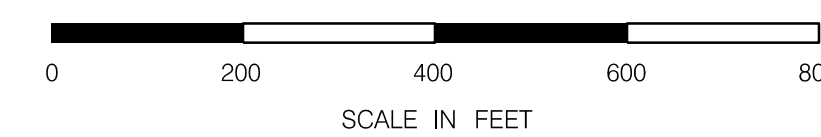
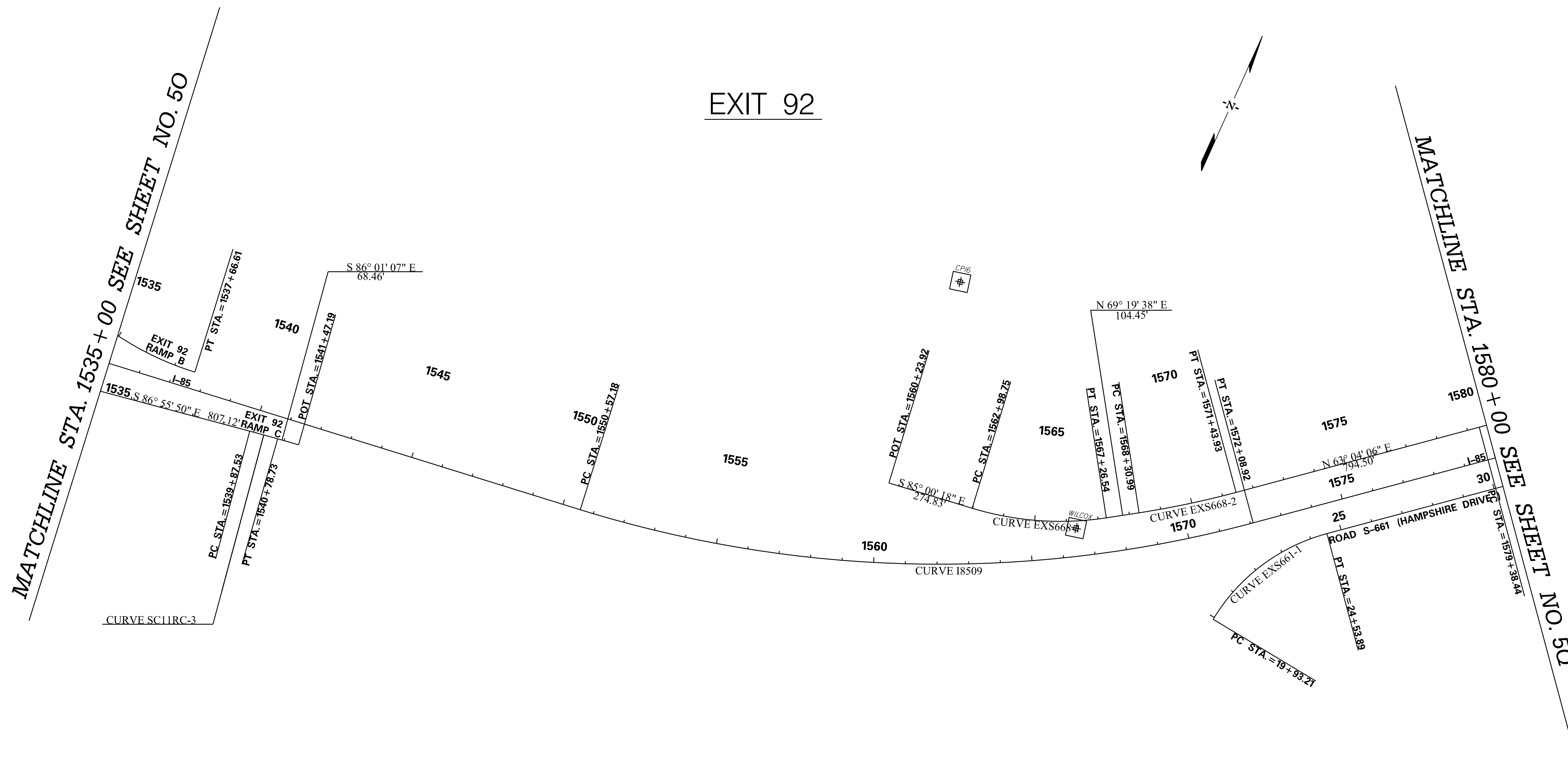
REFERENCE DATA SHEET

INTERSTATE 85 MILE MARKER 90-97
SECTION 4

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FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	CHEROKEE SPARTANBURG	P027114	INTERSTATE 85	50

EXISTING



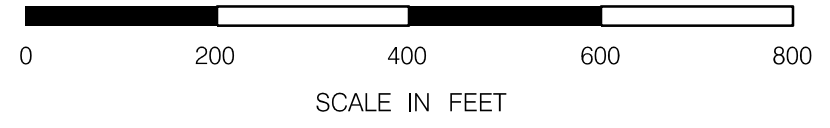
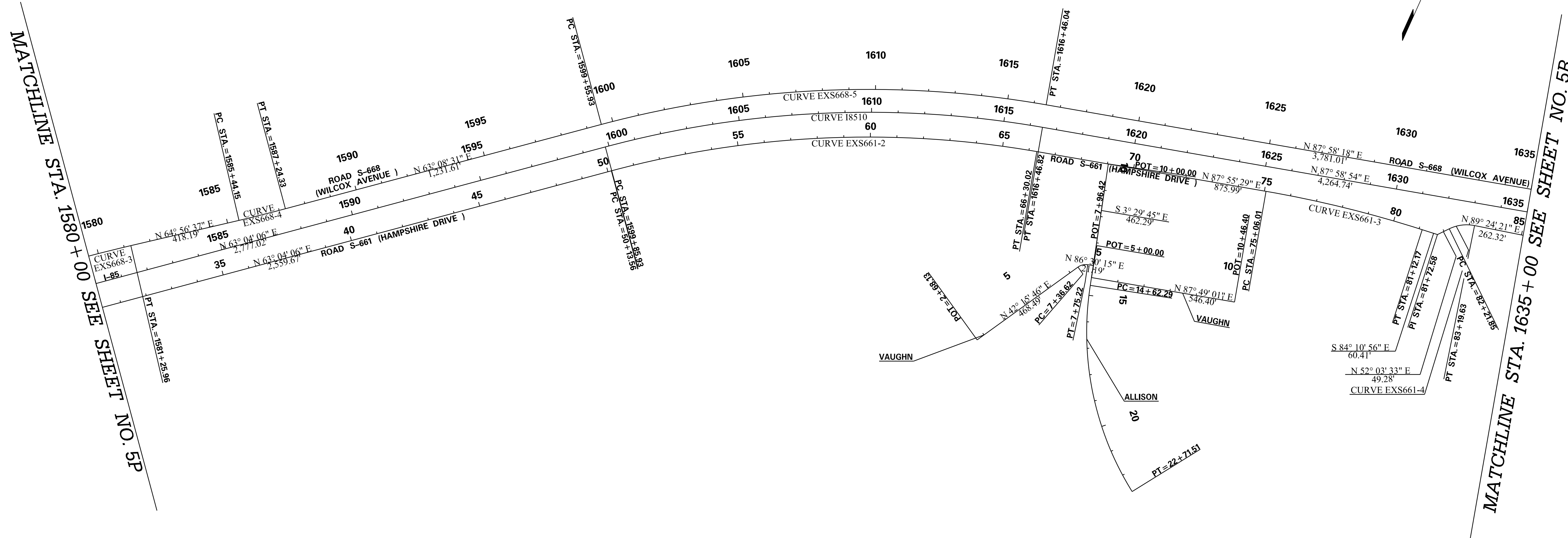
<p>PRELIMINARY NOT FOR CONSTRUCTION</p>	7				
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SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85
REFERENCE DATA SHEET
INTERSTATE 85 MILE MARKER 90-97 SECTION 4

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 10/24/2017

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	CHEROKEE SPARTANBURG	P027114	INTERSTATE 85	5R

EXISTING



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SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

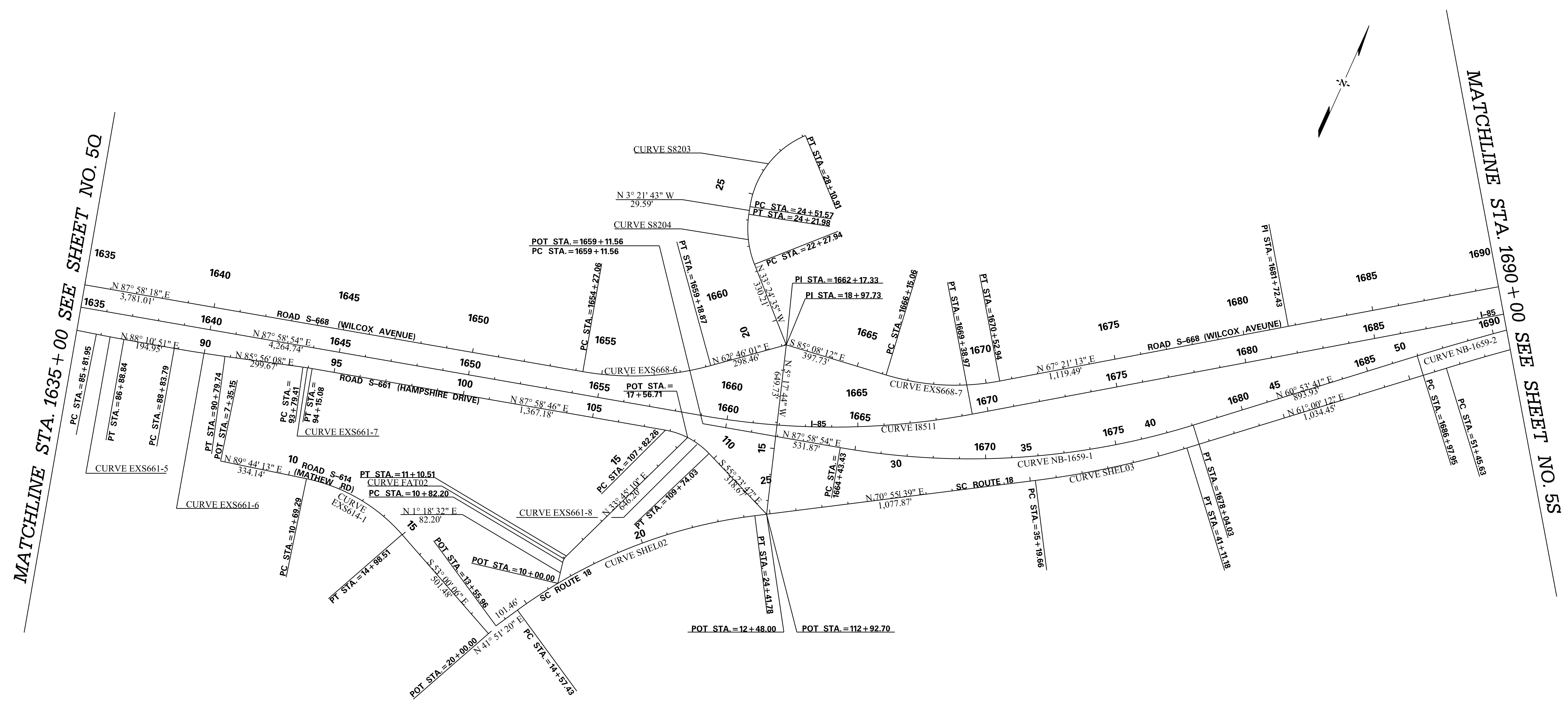
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SECTION 4

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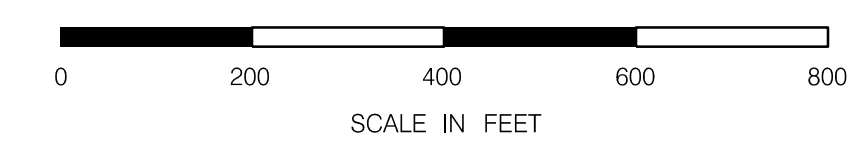
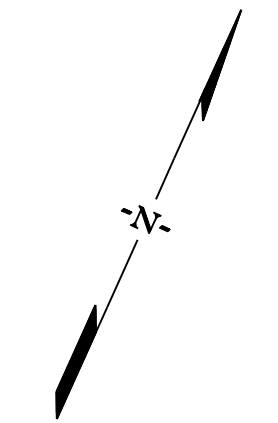
FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	CHEROKEE SPARTANBURG	P027114	INTERSTATE 85	55

EXISTING
EXIT 95



MATCHLINE STA. 1635 + 00 SEE SHEET NO. 5Q

MATCHLINE STA. 1690 + 00 SEE SHEET NO. 5S



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SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

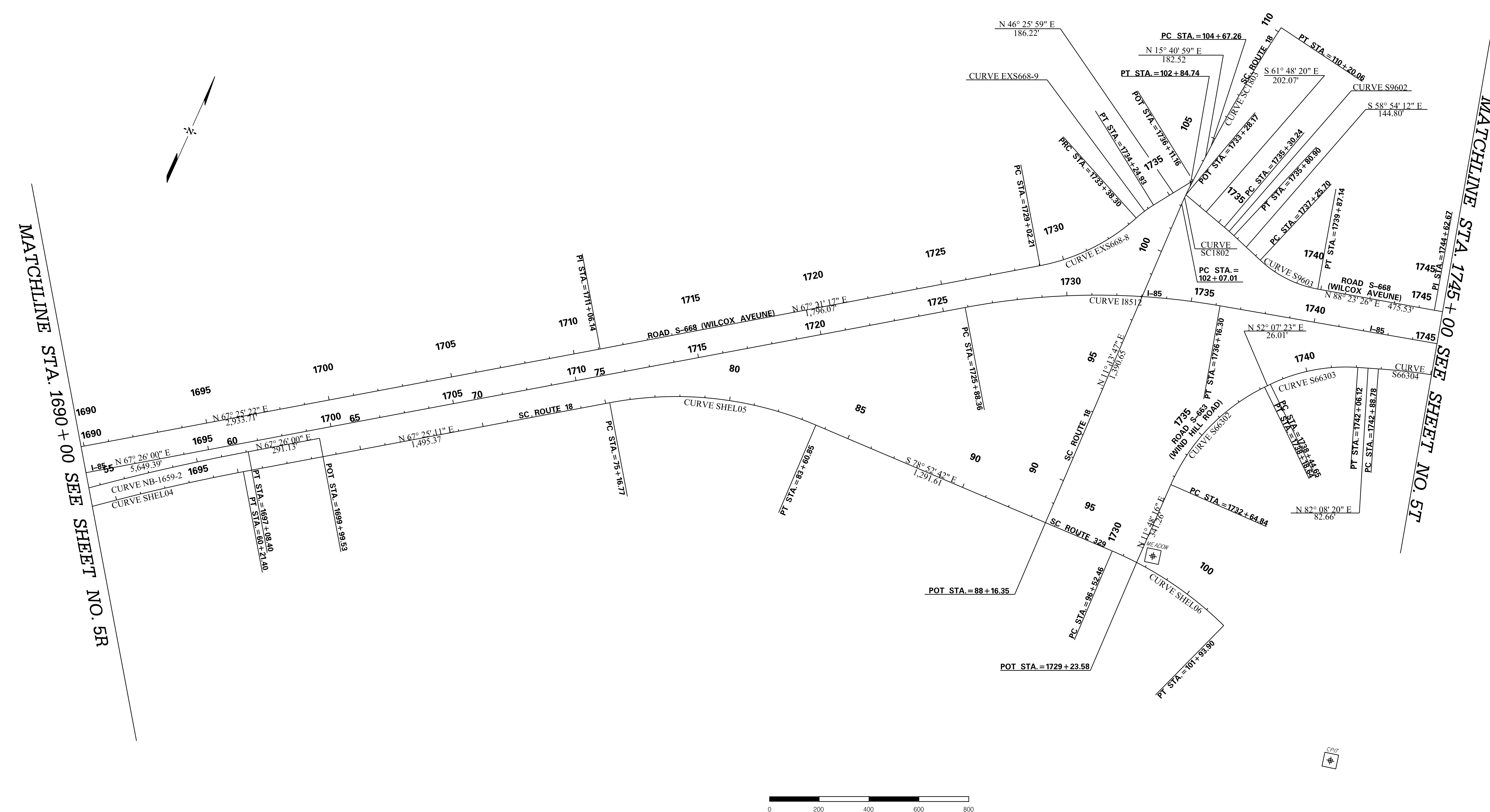
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INTERSTATE 85 MILE MARKER 90-97
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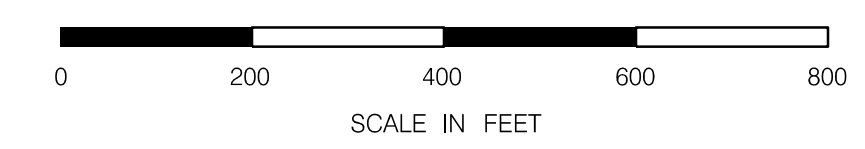
FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	CHEROKEE SPARTANBURG	P027114	INTERSTATE 85	5T

**EXISTING
EXIT 96**



MATCHLINE STA. 1690 + 00 SEE SHEET NO. 5R

MATCHLINE STA. 1745 + 00 SEE SHEET NO. 5T



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SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

REFERENCE DATA SHEET

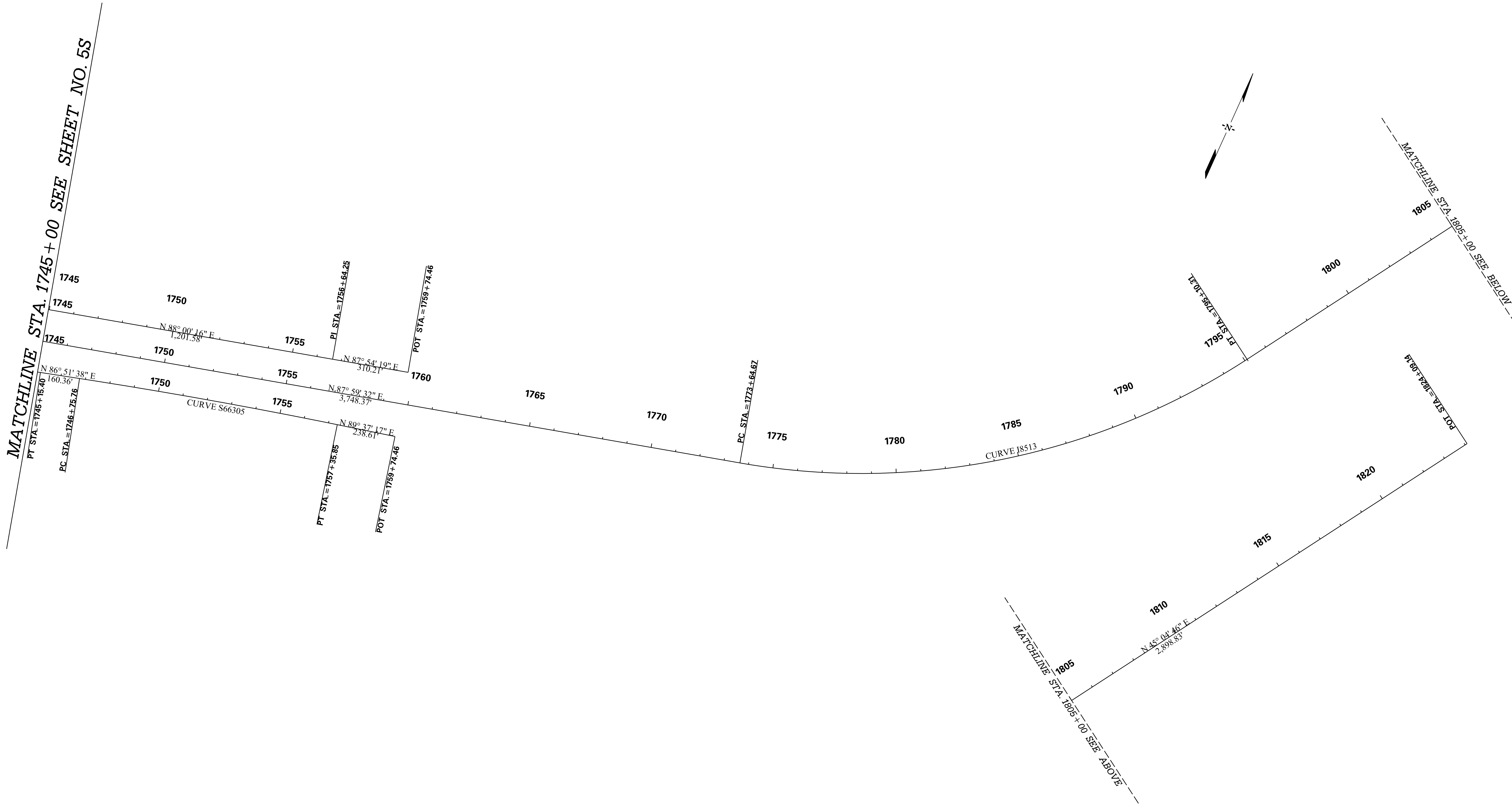
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SECTION 4

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FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	CHEROKEE SPARTANBURG	P027114	INTERSTATE 85	5U

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**PRELIMINARY
NOT FOR CONSTRUCTION**

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SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

REFERENCE DATA SHEET

INTERSTATE 85 MILE MARKER 90-97
SECTION 4

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	CHESTERFIELD SPARTANBURG	P027114	INTERSTATE 85	5V

EXISTING DATA

Beginning chain EXS82 description

Point S8201 N 1,189,879.0125 E 1,813,190.0849 Sta 12+48.00

Course from S8201 to S8202 N 5° 17' 44.37" W Dist 649.7323

Point S8202 N 1,190,525.9716 E 1,813,130.1177 Sta 18+97.73

Course from S8202 to PC S8203 N 33° 24' 34.90" W Dist 330.2058

Curve Data

Curve S8203
P.I. Station 23+27.24 N 1,190,884.5087 E 1,812,893.6190
Delta = 30° 02' 51.54" (RT)
Degree = 15° 29' 07.24"
Tangent = 99.3061
Length = 194.0393
Radius = 370.0000
External = 13.0949
Long Chord = 191.8233
Mid. Ord. = 12.6473
P.C. Station 22+27.94 N 1,190,801.6124 E 1,812,948.2991
P.T. Station 24+21.98 N 1,190,983.6439 E 1,812,887.7952
C.C. N 1,191,005.3426 E 1,813,257.1584
Back = N 33° 24' 34.90" W
Ahead = N 3° 21' 43.36" W
Chord Bear = N 18° 23' 09.13" W

Course from PT S8203 to PC S8204 N 3° 21' 43.36" W Dist 29.5922

Curve Data

Curve S8204
P.I. Station 26+48.88 N 1,191,210.1571 E 1,812,874.4884
Delta = 58° 49' 26.48" (RT)
Degree = 16° 22' 12.80"
Tangent = 197.3115
Length = 359.3355
Radius = 350.0000
External = 51.7858
Long Chord = 343.7605
Mid. Ord. = 45.1112
P.C. Station 24+51.57 N 1,191,013.1851 E 1,812,886.0597
P.T. Station 28+10.91 N 1,191,322.0234 E 1,813,037.0238
C.C. N 1,191,033.7109 E 1,813,235.4573
Back = N 3° 21' 43.36" W
Ahead = N 55° 27' 43.11" E
Chord Bear = N 26° 02' 59.88" E

Beginning chain EXSC18 description

Point SC1801 N 1,191,803.5863 E 1,819,588.8052 Sta 88+16.35

Course from SC1801 to PC SC1802 N 11° 13' 46.61" E Dist 1,390.6597

Curve Data

Curve SC1802
P.I. Station 102+45.89 N 1,193,205.7596 E 1,819,867.1962
Delta = 4° 27' 12.17" (RT)
Degree = 5° 43' 46.48"
Tangent = 38.8627
Length = 77.7262
Radius = 1,000.0000
External = 0.7556
Long Chord = 77.7066
Mid. Ord. = 0.7551
P.C. Station 102+07.01 N 1,193,167.6213 E 1,819,859.6242
P.T. Station 102+84.74 N 1,193,243.1947 E 1,819,877.7068
C.C. N 1,192,972.8800 E 1,820,840.4788
Back = N 11° 13' 46.61" E
Ahead = N 15° 40' 58.79" E
Chord Bear = N 13° 27' 22.70" E

Course from PT SC1802 to PC SC1803 N 15° 40' 58.79" E Dist 182.5289

Curve Data

Curve SC1803
P.I. Station 107+43.91 N 1,193,685.2793 E 1,820,001.8296
Delta = 5° 59' 28.58" (RT)
Degree = 1° 05' 01.73"
Tangent = 276.6500
Length = 552.7957
Radius = 5,286.5000
External = 7.2338
Long Chord = 552.5438
Mid. Ord. = 7.2239
P.C. Station 104+67.26 N 1,193,418.9284 E 1,819,927.0471
P.T. Station 110+20.06 N 1,193,942.3697 E 1,820,104.0046
C.C. N 1,191,989.9096 E 1,825,016.7413
Back = N 15° 40' 58.79" E
Ahead = N 21° 40' 27.37" E
Chord Bear = N 18° 40' 43.08" E

Course from PT SC1803 to SC1804 S 56° 44' 10.08" W Dist 2,176,758.3627

Equation: Sta 21877+78.42 (BK) = Sta 0+00.00 (AH) -----
End Region 1
Begin Region 2

Point SC1804 N 0.0000 E 0.0000 Sta 0+00.00

Beginning chain EXPEACH description

Curve Data

Curve EXPEACH-1
P.I. Station 1498+18.75 N 1,188,444.4207 E 1,797,147.2912
Delta = 25° 27' 54.07" (RT)
Degree = 0° 58' 54.16"
Tangent = 1,318.7528
Length = 2,593.9454
Radius = 5,836.3248
External = 147.1354
Long Chord = 2,572.6484
Mid. Ord. = 143.5173
P.C. Station 1485+00.00 N 1,187,882.9308 E 1,795,954.0444
P.T. Station 1510+93.95 N 1,188,438.3124 E 1,798,466.0298
C.C. N 1,182,602.0502 E 1,798,438.9965
Back = N 64° 48' 01.33" E
Ahead = S 89° 44' 04.60" E
Chord Bear = N 77° 31' 58.37" E

Course from PT EXPEACH-1 to PC EXPEACH-2 S 89° 44' 04.60" E Dist 60.1256

Curve Data

Curve EXPEACH-2
P.I. Station 1513+37.83 N 1,188,437.1827 E 1,798,709.9167
Delta = 56° 16' 39.77" (LT)
Degree = 16° 40' 30.85"
Tangent = 183.7638
Length = 337.4928
Radius = 343.5980
External = 46.0541
Long Chord = 324.0885
Mid. Ord. = 40.6108
P.C. Station 1511+54.07 N 1,188,438.0339 E 1,798,526.1548
P.T. Station 1514+91.56 N 1,188,589.5519 E 1,798,812.6433
C.C. N 1,188,781.6282 E 1,798,527.7463
Back = S 89° 44' 04.60" E
Ahead = N 33° 59' 15.63" E
Chord Bear = N 62° 07' 35.52" E

Beginning chain EXS668 description

Point S66801 N 1,188,262.6142 E 1,803,395.7307 Sta 1560+23.92

Course from S66801 to PC EXS668-1 S 85° 00' 17.86" E Dist 274.8263

Curve Data

Curve EXS668-1
P.I. Station 1565+16.30 N 1,188,219.7433 E 1,803,886.2368
Delta = 25° 40' 04.33" (LT)
Degree = 5° 59' 59.99"
Tangent = 217.5496
Length = 427.7980
Radius = 954.9300
External = 24.4673
Long Chord = 424.2296
Mid. Ord. = 23.8561
P.C. Station 1562+98.75 N 1,188,238.6852 E 1,803,669.5133
P.T. Station 1567+26.54 N 1,188,296.5451 E 1,804,089.7787
C.C. N 1,189,189.9886 E 1,803,752.6586
Back = S 85° 00' 17.86" E
Ahead = N 69° 19' 37.82" E
Chord Bear = N 82° 09' 39.98" E

Course from PT EXS668-1 to PC EXS668-2 N 69° 19' 37.82" E Dist 104.4471

Curve Data

Curve EXS668-2
P.I. Station 1569+87.62 N 1,188,388.7123 E 1,804,334.0423
Delta = 6° 15' 31.81" (LT)
Degree = 2° 00' 00.00"
Tangent = 156.6267
Length = 312.9419
Radius = 2,864.7900
External = 4.2784
Long Chord = 312.7863
Mid. Ord. = 4.2721
P.C. Station 1568+30.99 N 1,188,333.4182 E 1,804,187.5006
P.T. Station 1571+43.93 N 1,188,459.6528 E 1,804,473.6825
C.C. N 1,191,013.7488 E 1,803,176.1403
Back = N 69° 19' 37.82" E
Ahead = N 63° 04' 06.01" E
Chord Bear = N 66° 11' 51.91" E

Course from PT EXS668-2 to PC EXS668-3 N 63° 04' 06.01" E Dist 794.5050

Curve Data

Curve EXS668-3
P.I. Station 1580+32.21 N 1,188,861.9774 E 1,805,265.6224
Delta = 1° 52' 30.89" (RT)
Degree = 1° 00' 00.00"
Tangent = 93.7708
Length = 187.5248
Radius = 5,729.5800
External = 0.7673
Long Chord = 187.5165
Mid. Ord. = 0.7672
P.C. Station 1579+38.44 N 1,188,819.5060 E 1,805,182.0213
P.T. Station 1581+25.96 N 1,188,901.6903 E 1,805,350.5685
C.C. N 1,183,711.3141 E 1,807,777.1056
Back = N 63° 04' 06.01" E
Ahead = N 64° 56' 36.90" E
Chord Bear = N 64° 00' 21.45" E

Course from PT EXS668-3 to PC EXS668-4 N 64° 56' 36.90" E Dist 418.1882

Curve Data

Curve EXS668-4
P.I. Station 1586+34.25 N 1,189,116.9536 E 1,805,811.0180
Delta = 1° 48' 06.31" (LT)
Degree = 1° 00' 00.00"
Tangent = 90.0952
Length = 180.1755
Radius = 5,729.5800
External = 0.7083
Long Chord = 180.1680
Mid. Ord. = 0.7082
P.C. Station 1585+44.15 N 1,189,078.7973 E 1,805,729.4016
P.T. Station 1587+24.33 N 1,189,157.6571 E 1,805,891.3944
C.C. N 1,184,269.1735 E 1,803,302.8645
Back = N 64° 56' 36.90" E
Ahead = N 63° 08' 30.59" E
Chord Bear = N 64° 02' 33.74" E

Course from PT EXS668-4 to PC EXS668-5 N 63° 08' 30.59" E Dist 1,231.6086

Curve Data

Curve EXS668-5
P.I. Station 1608+14.47 N 1,190,101.9482 E 1,807,756.0665
Delta = 24° 49' 47.10" (RT)
Degree = 1° 28' 08.84"
Tangent = 858.5321
Length = 1,690.1074
Radius = 3,900.0000
External = 93.3792
Long Chord = 1,676.9132
Mid. Ord. = 91.1957
P.C. Station 1599+55.93 N 1,189,714.0776 E 1,806,990.1463
P.T. Station 1616+46.04 N 1,190,132.3362 E 1,808,614.0606
C.C. N 1,186,234.7799 E 1,808,752.1021
Back = N 63° 08' 30.59" E
Ahead = N 87° 58' 17.68" E
Chord Bear = N 75° 33' 24.13" E

Course from PT EXS668-5 to PC EXS668-6 N 87° 58' 17.68" E Dist 3,781.0133

Curve Data

Curve EXS668-6
P.I. Station 1656+77.01 N 1,190,275.0131 E 1,812,642.4987
Delta = 25° 12' 16.88" (LT)
Degree = 5° 07' 29.45"
Tangent = 249.9506
Length = 491.8136
Radius = 1,118.0000
External = 27.6000
Long Chord = 487.8576
Mid. Ord. = 26.9350
P.C. Station 1654+27.06 N 1,190,266.1660 E 1,812,392.7047
P.T. Station 1659+18.87 N 1,190,389.3935 E 1,812,864.7428
C.C. N 1,191,383.4655 E 1,812,353.1328
Back = N 87° 58' 17.68" E
Ahead = N 62° 46' 00.80" E
Chord Bear = N 75° 22' 09.24" E

Course from PT EXS668-6 to S66802 N 62° 46' 00.80" E Dist 298.4584

Point S66802 N 1,190,525.9716 E 1,813,130.1177 Sta 1662+17.33

Course from S66802 to PC EXS668-7 S 85° 08' 12.01" E Dist 397.7325

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Curve Data

Curve EXS668-7
P.I. Station 1668+38.31 N 1,190,473.3253 E 1,813,748.8620
Delta = 27° 30' 35.19" (LT)
Degree = 6° 16' 56.76"
Tangent = 223.2474
Length = 437.8842
Radius = 912.0000
External = 26.9267
Long Chord = 433.6902
Mid. Ord. = 26.1545
P.C. Station 1666+15.06 N 1,190,492.2521 E 1,813,526.4183
P.T. Station 1670+52.94 N 1,190,559.2853 E 1,813,954.8967
C.C. N 1,191,400.9687 E 1,813,603.7370
Back = S 85° 08' 12.01" E
Ahead = N 67° 21' 12.80" E
Chord Bear = N 81° 06' 30.40" E

Course from PT EXS668-7 to S66803 N 67° 21' 12.80" E Dist 1,119.4880

Point S66803 N 1,190,990.3370 E 1,814,988.0704 Sta 1681+72.43

Course from S66803 to S66804 N 67° 25' 22.40" E Dist 2,933.7123

Point S66804 N 1,192,116.6669 E 1,817,696.9537 Sta 1711+06.14

Course from S66804 to PC EXS668-8 N 67° 21' 16.77" E Dist 1,796.0658

Curve Data

Curve EXS668-8
P.I. Station 1731+25.82 N 1,192,894.2947 E 1,819,560.9256
Delta = 31° 13' 58.33" (LT)
Degree = 7° 09' 43.10"
Tangent = 223.6114
Length = 436.0931
Radius = 800.0000
External = 30.6636
Long Chord = 430.7137
Mid. Ord. = 29.5317
P.C. Station 1729+02.21 N 1,192,808.1985 E 1,819,354.5533
P.T. Station 1733+38.30 N 1,193,074.9203 E 1,819,692.7453
C.C. N 1,193,546.5232 E 1,819,046.5327
Back = N 67° 21' 16.77" E
Ahead = N 36° 07' 18.44" E
Chord Bear = N 51° 44' 17.61" E

Curve EXS668-9
P.I. Station 1733+81.74 N 1,193,110.0036 E 1,819,718.3489
Delta = 10° 18' 40.73" (RT)
Degree = 11° 54' 09.53"
Tangent = 43.4325
Length = 86.6304
Radius = 481.3700
External = 1.9554
Long Chord = 86.5136
Mid. Ord. = 1.9475
P.C. Station 1733+38.30 N 1,193,074.9203 E 1,819,692.7453
P.T. Station 1734+24.93 N 1,193,139.9373 E 1,819,749.8188
C.C. N 1,192,791.1510 E 1,820,081.5795
Back = N 36° 07' 18.44" E
Ahead = N 46° 25' 59.17" E
Chord Bear = N 41° 16' 38.81" E

Course from PT EXS668-9 to S66805 N 46° 25' 59.17" E Dist 186.2233

Point S66805 N 1,193,268.2826 E 1,819,884.7507 Sta 1736+11.16

Beginning chain EXS661 description

Curve Data

Curve EXS661-1
P.I. Station 22+35.58 N 1,188,281.7233 E 1,804,565.0159
Delta = 43° 59' 29.55" (RT)
Degree = 9° 32' 57.47"
Tangent = 242.3642
Length = 460.6784
Radius = 600.0000
External = 47.1016
Long Chord = 449.4458
Mid. Ord. = 43.6731
P.C. Station 19+93.21 N 1,188,052.6694 E 1,804,485.8027
P.T. Station 24+53.89 N 1,188,391.4967 E 1,804,781.0951
C.C. N 1,187,856.5683 E 1,805,052.8515
Back = N 19° 04' 36.46" E
Ahead = N 63° 04' 06.01" E
Chord Bear = N 41° 04' 21.23" E

Course from PT EXS661-1 to PC EXS661-2 N 63° 04' 06.01" E Dist 2,559.6660

Curve Data

Curve EXS661-2
P.I. Station 58+34.71 N 1,189,922.7624 E 1,807,795.2548
Delta = 24° 51' 22.84" (RT)
Degree = 1° 32' 15.71"
Tangent = 821.1525
Length = 1,616.4665
Radius = 3,726.0790
External = 89.4100
Long Chord = 1,603.8202
Mid. Ord. = 87.3148
P.C. Station 50+13.56 N 1,189,550.8398 E 1,807,063.1585
P.T. Station 66+30.02 N 1,189,952.4989 E 1,808,615.8687
C.C. N 1,186,228.8639 E 1,808,750.8021
Back = N 63° 04' 06.01" E
Ahead = N 87° 55' 28.85" E
Chord Bear = N 75° 29' 47.43" E

Course from PT EXS661-2 to PC EXS661-3 N 87° 55' 28.85" E Dist 875.9877

EXISTING DATA

Curve Data

Curve EXS661-3
P.I. Station 78+09.57 N 1,189,995.2141 E 1,809,794.6401
Delta = 7° 53' 35.51" (RT)
Degree = 1° 18' 07.84"
Tangent = 303.5573
Length = 606.1541
Radius = 4,400.0000
External = 10.4588
Long Chord = 605.6749
Mid. Ord. = 10.4340
P.C. Station 75+06.01 N 1,189,984.2213 E 1,809,491.2819
P.T. Station 81+12.17 N 1,189,964.4435 E 1,810,096.6338
C.C. N 1,185,587.1073 E 1,809,650.6201
Back = N 87° 55' 28.85" E
Ahead = S 84° 10' 55.64" E
Chord Bear = S 88° 07' 43.39" E

Course from PT EXS661-3 to S66102 S 84° 10' 55.64" E Dist 60.4139

Point S66102 N 1,189,958.3195 E 1,810,156.7365 Sta 81+72.58

Course from S66102 to PC EXS661-4 N 52° 03' 33.16" E Dist 49.2756

Curve Data

Curve EXS661-4
P.I. Station 82+72.55 N 1,190,019.7856 E 1,810,235.5774
Delta = 37° 20' 47.60" (RT)
Degree = 38° 11' 49.87"
Tangent = 50.6942
Length = 97.7731
Radius = 150.0000
External = 8.3348
Long Chord = 96.0514
Mid. Ord. = 7.8960
P.C. Station 82+21.85 N 1,189,988.6164 E 1,810,195.5975
P.T. Station 83+19.63 N 1,190,020.3114 E 1,810,286.2689
C.C. N 1,189,870.3195 E 1,810,287.8246
Back = N 52° 03' 33.16" E
Ahead = N 89° 24' 20.75" E
Chord Bear = N 70° 43' 56.95" E

Course from PT EXS661-4 to PC EXS661-5 N 89° 24' 20.75" E Dist 262.3187

Curve Data

Curve EXS661-5
P.I. Station 86+35.39 N 1,190,023.5863 E 1,810,602.0185
Delta = 1° 13' 29.60" (LT)
Degree = 1° 08' 45.30"
Tangent = 53.4479
Length = 106.8917
Radius = 5,000.0000
External = 0.2857
Long Chord = 106.8896
Mid. Ord. = 0.2856
P.C. Station 85+81.95 N 1,190,023.0319 E 1,810,548.5735
P.T. Station 86+88.84 N 1,190,025.2829 E 1,810,655.4394
C.C. N 1,195,022.7630 E 1,810,496.7176
Back = N 89° 24' 20.75" E
Ahead = N 88° 10' 51.15" E
Chord Bear = N 88° 47' 35.95" E

Course from PT EXS661-5 to PC EXS661-6 N 88° 10' 51.15" E Dist 194.9538

Curve Data

Curve EXS661-6
P.I. Station 89+81.78 N 1,190,034.5822 E 1,810,948.2327
Delta = 2° 14' 43.48" (LT)
Degree = 1° 08' 45.30"
Tangent = 97.9871
Length = 195.9491
Radius = 5,000.0000
External = 0.9601
Long Chord = 195.9366
Mid. Ord. = 0.9599
P.C. Station 88+83.79 N 1,190,031.4716 E 1,810,850.2950
P.T. Station 90+79.74 N 1,190,041.5275 E 1,811,045.9733
C.C. N 1,195,028.9517 E 1,810,691.5731
Back = N 88° 10' 51.15" E
Ahead = N 85° 56' 07.67" E
Chord Bear = N 87° 03' 29.41" E

Course from PT EXS661-6 to PC EXS661-7 N 85° 56' 07.67" E Dist 299.6680

Curve Data

Curve EXS661-7
P.I. Station 93+97.25 N 1,190,064.0323 E 1,811,362.6812
Delta = 2° 02' 38.08" (RT)
Degree = 5° 43' 46.48"
Tangent = 17.8384
Length = 35.6730
Radius = 1,000.0000
External = 0.1591
Long Chord = 35.6711
Mid. Ord. = 0.1591
P.C. Station 93+79.41 N 1,190,062.7680 E 1,811,344.8876
P.T. Station 94+15.08 N 1,190,064.6613 E 1,811,380.5084
C.C. N 1,189,065.2831 E 1,811,415.7677
Back = N 85° 56' 07.67" E
Ahead = N 87° 58' 45.75" E
Chord Bear = N 86° 57' 26.71" E

Course from PT EXS661-7 to PC EXS661-8 N 87° 58' 45.75" E Dist 1,367.1828

Curve Data

Curve EXS661-8
P.I. Station 108+81.55 N 1,190,116.3679 E 1,812,846.0654
Delta = 36° 37' 27.35" (RT)
Degree = 19° 05' 54.94"
Tangent = 99.2860
Length = 191.7642
Radius = 300.0000
External = 16.0027
Long Chord = 188.5161
Mid. Ord. = 15.1923
P.C. Station 107+82.26 N 1,190,112.8671 E 1,812,746.8411
P.T. Station 109+74.03 N 1,190,059.9838 E 1,812,927.7877
C.C. N 1,189,813.0537 E 1,812,757.4189
Back = N 87° 58' 45.75" E
Ahead = S 55° 23' 46.90" E
Chord Bear = S 73° 42' 30.57" E

Course from PT EXS661-8 to S66103 S 55° 23' 46.90" E Dist 318.6697

Point S66103 N 1,189,879.0125 E 1,813,190.0849 Sta 112+92.70

Beginning chain EXSHEL description

Point SHEL01 N 0.0000 E 0.0000 Sta 0+00.00

Course from SHEL01 to PC SHEL02 N 56° 43' 32.03" E Dist 2,167,730.9197

Equation: Sta 21677+30.92 (BK) = Sta 14+57.43 (AH)
Begin Region 2

Curve Data

Curve SHEL02
P.I. Station 19+60.44 N 1,189,699.8699 E 1,812,671.9473
Delta = 29° 04' 18.76" (RT)
Degree = 2° 57' 12.21"
Tangent = 503.0166
Length = 984.3559
Radius = 1,940.0000
External = 64.1521
Long Chord = 973.8304
Mid. Ord. = 62.0986
P.C. Station 14+57.43 N 1,189,325.2089 E 1,812,336.3064
P.T. Station 24+41.78 N 1,189,864.2376 E 1,813,147.3513
C.C. N 1,188,030.7320 E 1,813,781.2734
Back = N 41° 51' 20.31" E
Ahead = N 70° 55' 39.07" E
Chord Bear = N 56° 23' 29.69" E

Course from PT SHEL02 to PC SHEL03 N 70° 55' 39.07" E Dist 1,077.8778

Curve Data

Curve SHEL03
P.I. Station 38+16.16 N 1,190,313.3351 E 1,814,446.2849
Delta = 9° 55' 27.52" (LT)
Degree = 1° 40' 39.97"
Tangent = 296.5010
Length = 591.5186
Radius = 3,415.0000
External = 12.8474
Long Chord = 590.7794
Mid. Ord. = 12.7993
P.C. Station 35+19.66 N 1,190,216.4493 E 1,814,166.0600
P.T. Station 41+11.18 N 1,190,457.0671 E 1,814,705.6185
C.C. N 1,193,443.9862 E 1,813,050.1610
Back = N 70° 55' 39.07" E
Ahead = N 61° 00' 11.55" E
Chord Bear = N 65° 57' 55.31" E

Course from PT SHEL03 to PC SHEL04 N 61° 00' 11.55" E Dist 1,034.4548

Curve Data

Curve SHEL04
P.I. Station 55+83.97 N 1,191,171.0202 E 1,815,993.7942
Delta = 6° 24' 59.66" (RT)
Degree = 0° 43' 57.66"
Tangent = 438.3404
Length = 875.7643
Radius = 7,820.0000
External = 12.2757
Long Chord = 875.3067
Mid. Ord. = 12.2564
P.C. Station 51+45.63 N 1,190,958.5301 E 1,815,610.4011
P.T. Station 60+21.40 N 1,191,339.3327 E 1,816,398.5326
C.C. N 1,184,118.7916 E 1,819,401.2293
Back = N 61° 00' 11.55" E
Ahead = N 67° 25' 11.21" E
Chord Bear = N 64° 12' 41.38" E

Course from PT SHEL04 to PC SHEL05 N 67° 25' 11.21" E Dist 1,495.3767

PRELIMINARY
NOT FOR CONSTRUCTION
SCALE: 1" = NTS

Table with 4 columns: REV. NO., BY, DATE, DESCRIPTION OF REVISION. Rows 1-7.

Table with 6 columns: FED. RD. DIV. NO., STATE, COUNTY, PROJECT ID, ROAD / ROUTE NO., SHEET NO. Values: 3, SC, CHEROKEE SPARTANBURG, P027114, INTERSTATE 85, 5W

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85
REFERENCE DATA SHEET
INTERSTATE 85 MILE MARKER 90-97
SECTION 4

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	CHEROKEE SPARTANBURG	P027114	INTERSTATE 85	5X

EXISTING DATA

Beginning chain EXS663 description

Point S66301 N 1,191,722.6621 E 1,819,979.5426 Sta 1729+23.58

Course from S66301 to PC S66302 N 11° 48' 16.35" E Dist 341.2591

Curve Data

Curve S66302
P.I. Station 1735+53.76 N 1,192,339.5183 E 1,820,108.4616
Delta = 40° 19' 06.83" (RT)
Degree = 7° 18' 49.00"
Tangent = 288.9248
Length = 553.8054
Radius = 787.0000
External = 51.3594
Long Chord = 542.4494
Mid. Ord. = 48.2131
P.C. Station 1732+64.84 N 1,192,056.7040 E 1,820,049.3552
P.T. Station 1738+18.64 N 1,192,516.9086 E 1,820,336.5191
C.C. N 1,191,895.7045 E 1,820,819.7111
Back = N 11° 48' 16.35" E
Ahead = N 52° 07' 23.18" E
Chord Bear = N 31° 57' 49.76" E

Course from PT S66302 to PC S66303 N 52° 07' 23.18" E Dist 26.0054

Curve Data

Curve S66303
P.I. Station 1740+29.64 N 1,192,646.4507 E 1,820,503.0618
Delta = 30° 00' 56.72" (RT)
Degree = 8° 18' 13.45"
Tangent = 184.9866
Length = 361.4729
Radius = 690.0000
External = 24.3669
Long Chord = 357.3536
Mid. Ord. = 23.5357
P.C. Station 1738+44.65 N 1,192,532.8750 E 1,820,357.0460
P.T. Station 1742+06.12 N 1,192,671.7518 E 1,820,686.3100
C.C. N 1,191,988.2361 E 1,820,780.6832
Back = N 52° 07' 23.18" E
Ahead = N 82° 08' 19.90" E
Chord Bear = N 67° 07' 51.54" E

Course from PT S66303 to PC S66304 N 82° 08' 19.90" E Dist 82.6555

Curve Data

Curve S66304
P.I. Station 1744+02.15 N 1,192,698.5636 E 1,820,880.4995
Delta = 4° 43' 18.02" (RT)
Degree = 2° 05' 00.54"
Tangent = 113.3761
Length = 226.6239
Radius = 2,750.0000
External = 2.3361
Long Chord = 226.5598
Mid. Ord. = 2.3341
P.C. Station 1742+88.78 N 1,192,683.0569 E 1,820,768.1888
P.T. Station 1745+15.40 N 1,192,704.7728 E 1,820,993.7055
C.C. N 1,189,958.9001 E 1,821,144.3137
Back = N 82° 08' 19.90" E
Ahead = N 86° 51' 37.92" E
Chord Bear = N 84° 29' 58.91" E

Course from PT S66304 to PC S66305 N 86° 51' 37.92" E Dist 160.3618

Curve Data

Curve S66305
P.I. Station 1752+05.91 N 1,192,742.5896 E 1,821,683.1772
Delta = 2° 45' 39.03" (RT)
Degree = 0° 15' 37.57"
Tangent = 530.1463
Length = 1,060.0875
Radius = 22,000.0000
External = 6.3867
Long Chord = 1,059.9850
Mid. Ord. = 6.3848
P.C. Station 1746+75.76 N 1,192,713.5553 E 1,821,153.8266
P.T. Station 1757+35.85 N 1,192,746.0930 E 1,822,213.3120
C.C. N 1,170,746.5733 E 1,822,358.6925
Back = N 86° 51' 37.92" E
Ahead = N 89° 37' 16.95" E
Chord Bear = N 88° 14' 27.43" E

Course from PT S66305 to S66306 N 89° 37' 16.95" E Dist 238.6055

Point S66306 N 1,192,747.6697 E 1,822,451.9123 Sta 1759+74.46

Beginning chain EXFAT description

Point FAT01 N 1,189,456.6982 E 1,812,465.8950 Sta 10+00.00

Course from FAT01 to PC FAT02 N 1° 18' 31.53" E Dist 82.1973

Curve Data

Curve FAT02
P.I. Station 10+96.74 N 1,189,553.4174 E 1,812,468.1047
Delta = 32° 26' 38.91" (RT)
Degree = 114° 35' 29.61"
Tangent = 14.5472
Length = 28.3129
Radius = 50.0000
External = 2.0732
Long Chord = 27.9361
Mid. Ord. = 1.9907
P.C. Station 10+82.20 N 1,189,538.8740 E 1,812,467.7724
P.T. Station 11+10.51 N 1,189,565.5126 E 1,812,476.1873
C.C. N 1,189,537.7320 E 1,812,517.7594
Back = N 1° 18' 31.53" E
Ahead = N 33° 45' 10.44" E
Chord Bear = N 17° 31' 50.98" E

Course from PT FAT02 to FAT03 N 33° 45' 10.44" E Dist 646.1985

Point FAT03 N 1,190,102.7889 E 1,812,835.2232 Sta 17+56.71

Beginning chain 95S518 description

Point ALEX1 N 1,189,962.3924 E 1,808,888.8887 Sta 10+00.00

Course from ALEX1 to PC 95S518-1 S 3° 29' 45.13" E Dist 462.2915

Curve Data

Curve 95S518-1
P.I. Station 18+84.88 N 1,189,078.9515 E 1,808,939.0981
Delta = 40° 45' 33.44" (LT)
Degree = 5° 02' 12.69"
Tangent = 422.5837
Length = 809.2205
Radius = 1,137.5301
External = 75.9573
Long Chord = 792.2648
Mid. Ord. = 71.2028
P.C. Station 14+62.29 N 1,189,500.9611 E 1,808,917.0776
P.T. Station 22+71.51 N 1,188,773.6733 E 1,809,231.3004
C.C. N 1,189,560.2368 E 1,810,053.0622
Back = S 2° 59' 13.15" E
Ahead = S 43° 44' 46.60" E
Chord Bear = S 23° 21' 59.87" E

Ending chain 95S518 description

Beginning chain 95S544_EX1 description

Point VAUGHX10 N 1,189,212.2918 E 1,808,542.2806 Sta 2+68.13

Course from VAUGHX10 to PC 95S544_EX1-1 N 42° 15' 45.62" E Dist 468.4853

Curve Data

Curve 95S544_EX1-1
P.I. Station 7+56.94 N 1,189,574.0446 E 1,808,871.0198
Delta = 44° 14' 29.25" (RT)
Degree = 114° 35' 29.61"
Tangent = 20.3240
Length = 38.6080
Radius = 50.0000
External = 3.9728
Long Chord = 37.6559
Mid. Ord. = 3.6804
P.C. Station 7+36.62 N 1,189,559.0035 E 1,808,857.3513
P.T. Station 7+75.22 N 1,189,575.2839 E 1,808,891.3059
C.C. N 1,189,525.3770 E 1,808,894.3548
Back = N 42° 15' 45.62" E
Ahead = N 86° 30' 14.87" E
Chord Bear = N 64° 23' 00.25" E

Course from PT 95S544_EX1-1 to VAUGHX11 N 86° 30' 14.87" E Dist 21.1918

Point VAUGHX11 N 1,189,576.5761 E 1,808,912.4583 Sta 7+96.42

Ending chain 95S544_EX1 description

Curve Data

Curve SHEL05
P.I. Station 79+51.42 N 1,192,080.4151 E 1,818,180.6027
Delta = 33° 42' 06.41" (RT)
Degree = 3° 59' 33.85"
Tangent = 434.6432
Length = 844.0771
Radius = 1,435.0000
External = 64.3798
Long Chord = 831.9613
Mid. Ord. = 61.6155
P.C. Station 75+16.77 N 1,191,913.5223 E 1,817,779.2780
P.T. Station 83+60.85 N 1,191,996.5762 E 1,818,607.0833
C.C. N 1,190,588.5253 E 1,818,330.2844
Back = N 67° 25' 11.21" E
Ahead = S 78° 52' 42.38" E
Chord Bear = N 84° 16' 14.42" E

Course from PT SHEL05 to PC SHEL06 S 78° 52' 42.38" E Dist 1,291.6133

Curve Data

Curve SHEL06
P.I. Station 99+26.40 N 1,191,694.5961 E 1,820,143.2286
Delta = 21° 28' 07.25" (RT)
Degree = 3° 57' 54.38"
Tangent = 273.9327
Length = 541.4403
Radius = 1,445.0000
External = 25.7359
Long Chord = 538.2784
Mid. Ord. = 25.2856
P.C. Station 96+52.46 N 1,191,747.4353 E 1,819,874.4403
P.T. Station 101+93.90 N 1,191,547.0485 E 1,820,374.0289
C.C. N 1,190,329.5722 E 1,819,595.7125
Back = S 78° 52' 42.38" E
Ahead = S 57° 24' 35.13" E
Chord Bear = S 68° 08' 38.75" E

Beginning chain EXS96 description

Point S9601 N 1,193,207.1806 E 1,819,868.3146 Sta 1733+28.17

Course from S9601 to PC S9602 S 61° 48' 19.61" E Dist 202.0727

Curve Data

Curve S9602
P.I. Station 1735+55.58 N 1,193,099.7393 E 1,820,068.7377
Delta = 2° 54' 08.10" (RT)
Degree = 5° 43' 46.48"
Tangent = 25.3323
Length = 50.6538
Radius = 1,000.0000
External = 0.3208
Long Chord = 50.6484
Mid. Ord. = 0.3207
P.C. Station 1735+30.24 N 1,193,111.7079 E 1,820,046.4111
P.T. Station 1735+80.90 N 1,193,086.6555 E 1,820,090.4297
C.C. N 1,192,230.3596 E 1,819,573.9441
Back = S 61° 48' 19.61" E
Ahead = S 58° 54' 11.51" E
Chord Bear = S 60° 21' 15.56" E

Course from PT S9602 to PC S9603 S 58° 54' 11.51" E Dist 144.7999

Curve Data

Curve S9603
P.I. Station 1738+60.09 N 1,192,942.4580 E 1,820,329.4987
Delta = 32° 42' 22.60" (LT)
Degree = 12° 30' 35.98"
Tangent = 134.3898
Length = 261.4412
Radius = 458.0000
External = 19.3098
Long Chord = 257.9060
Mid. Ord. = 18.5286
P.C. Station 1737+25.70 N 1,193,011.8684 E 1,820,214.4212
P.T. Station 1739+87.14 N 1,192,946.2326 E 1,820,463.8354
C.C. N 1,193,404.0519 E 1,820,450.9716
Back = S 58° 54' 11.51" E
Ahead = N 88° 23' 25.89" E
Chord Bear = S 75° 15' 22.81" E

Course from PT S9603 to S9604 N 88° 23' 25.89" E Dist 475.5350

Beginning chain EXS614 description

Point S6141 N 1,189,647.7140 E 1,811,111.9005 Sta 7+35.15

Course from S6141 to PC EXS614-1 N 89° 44' 13.33" E Dist 334.1460

Curve Data

Curve EXS614-1
P.I. Station 12+91.80 N 1,189,650.2688 E 1,811,668.5476
Delta = 37° 15' 40.27" (RT)
Degree = 8° 40' 52.24"
Tangent = 222.5069
Length = 429.2180
Radius = 660.0000
External = 36.4979
Long Chord = 421.6942
Mid. Ord. = 34.5853
P.C. Station 10+69.29 N 1,189,649.2476 E 1,811,446.0430
P.T. Station 14+98.51 N 1,189,516.3663 E 1,811,846.2537
C.C. N 1,188,989.2546 E 1,811,449.0721
Back = N 89° 44' 13.33" E
Ahead = S 53° 00' 06.40" E
Chord Bear = S 71° 37' 56.54" E

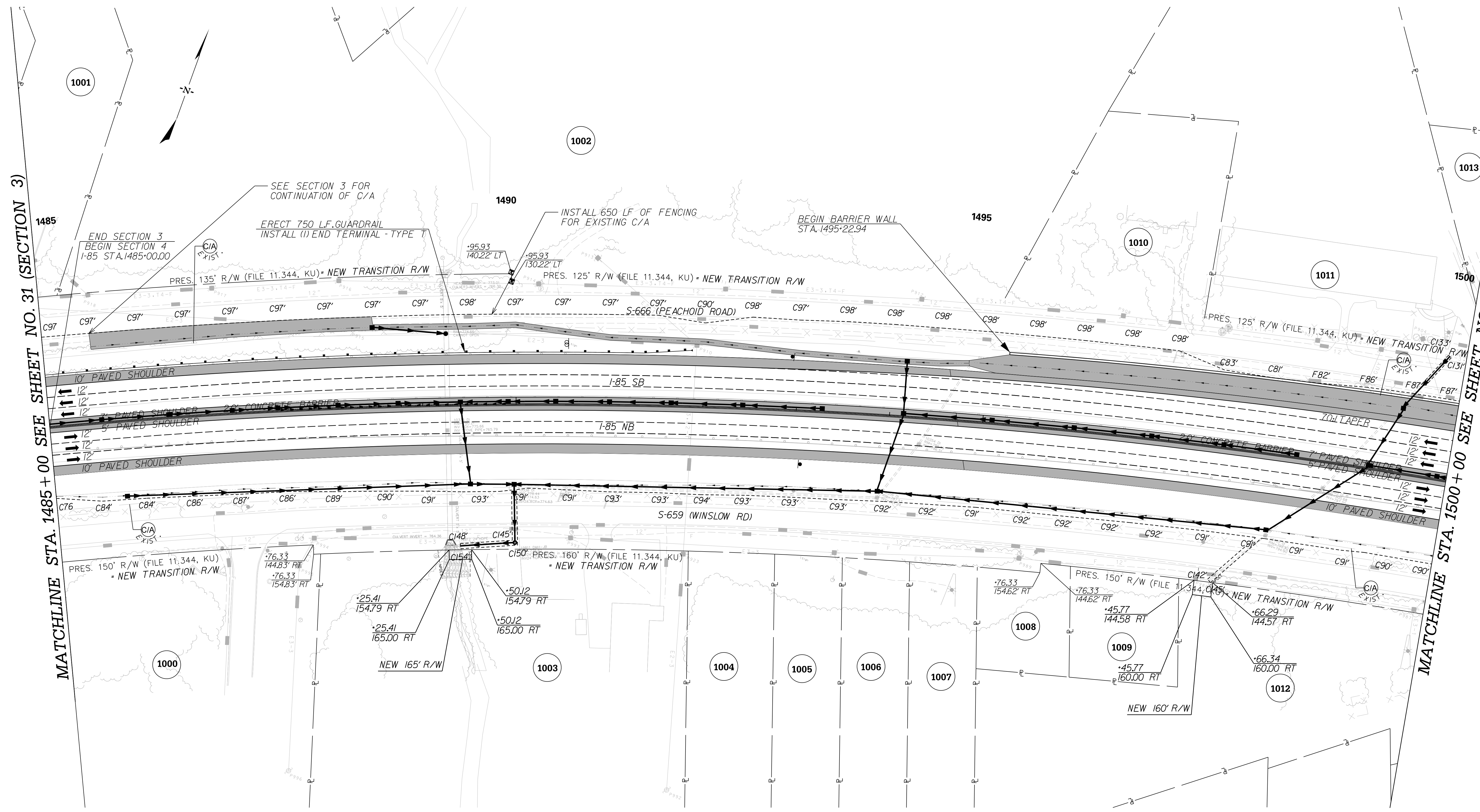
Course from PT EXS614-1 to S6142 S 53° 00' 06.40" E Dist 501.4873

Point S6142 N 1,189,214.5762 E 1,812,246.7686 Sta 20+00.00

PRELIMINARY NOT FOR CONSTRUCTION	7				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85
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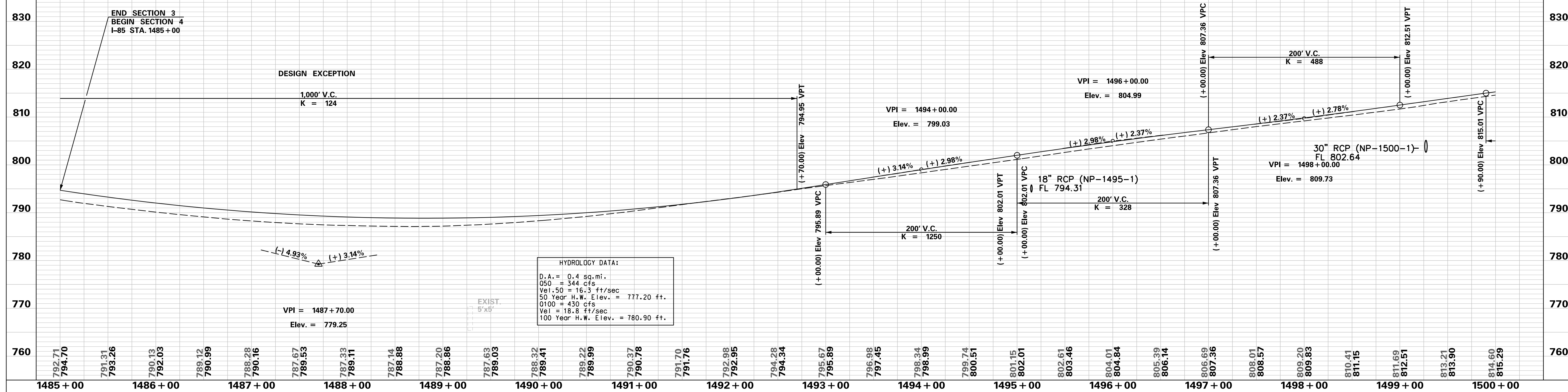
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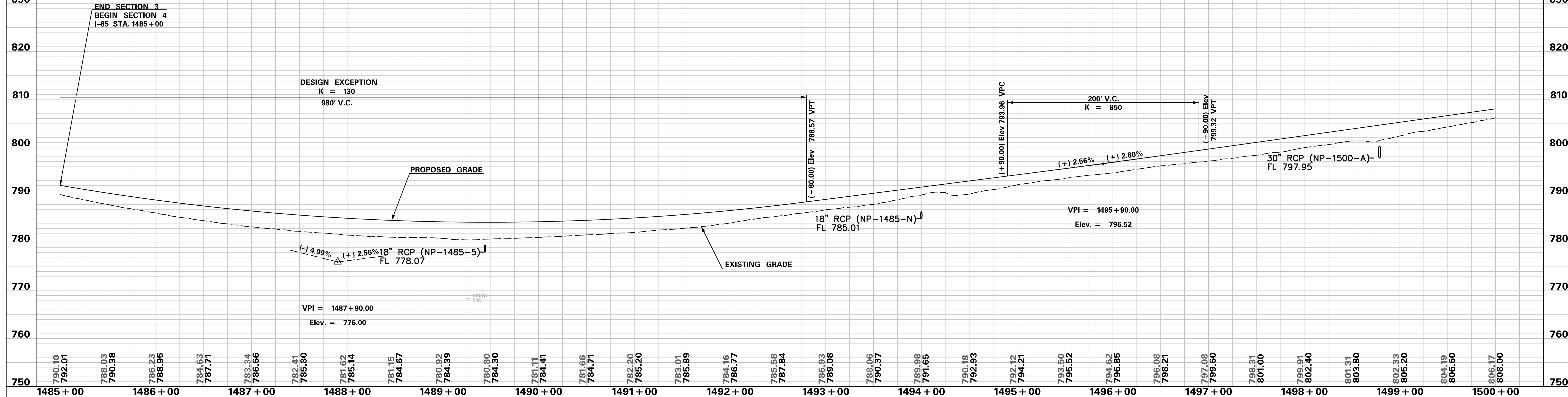


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SCALE: 1" = 50'	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

INTERSTATE 85 SOUTHBOUND



INTERSTATE 85 NORTHBOUND



**PRELIMINARY
NOT FOR CONSTRUCTION**

SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)

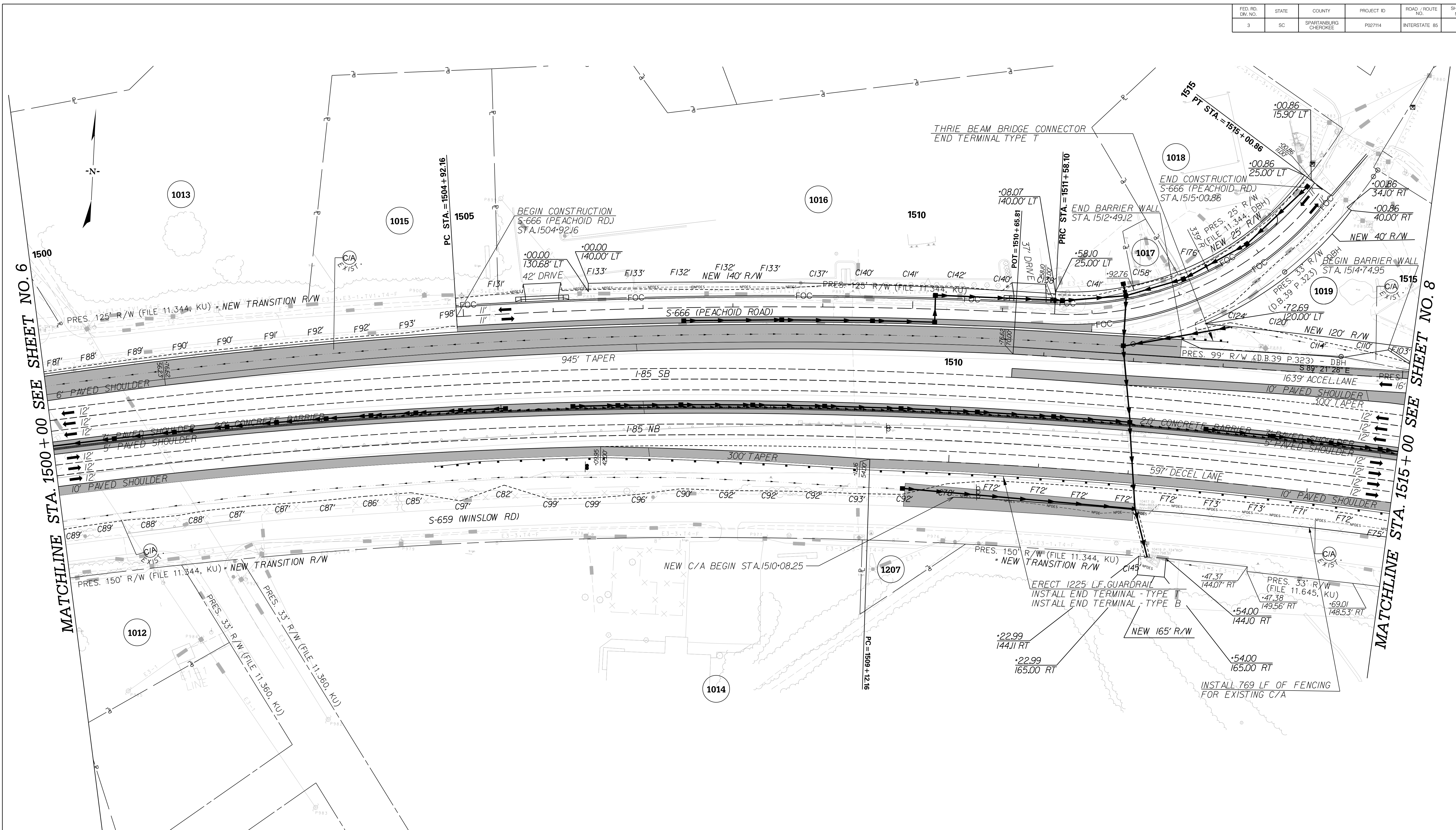
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SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

PROFILE SHEET

INTERSTATE 85 WIDENING

p:\parrish-pw\Documents\Projects\I-85 Widening\Design\Roadway\Sheets\PreliminaryPlans\SECTION 4\I-85 Mainline Profile Sheets.dgn 10/24/2017



p:\parrish-pw\Documents\Projects\I-85 Widening\Design\Roadway\Sheets\Pre\liminary\Plans\SECTION 4\07_Plan.dgn
 10/24/2017

MATCHLINE STA. 1500 + 00 SEE SHEET NO. 6

MATCHLINE STA. 1515 + 00 SEE SHEET NO. 8

PRELIMINARY
NOT FOR CONSTRUCTION

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION

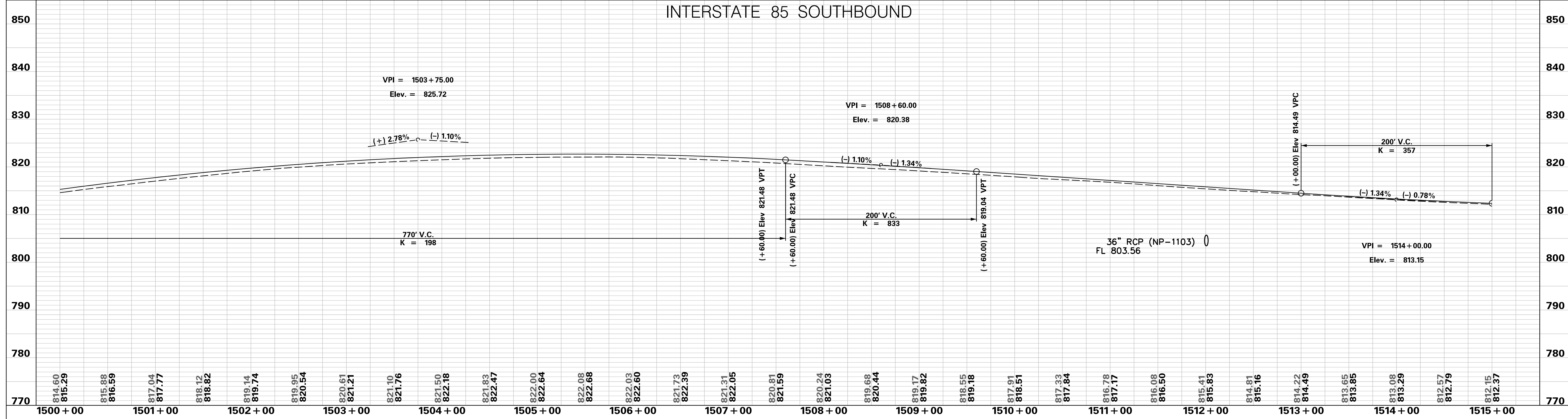
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

PLAN SHEET

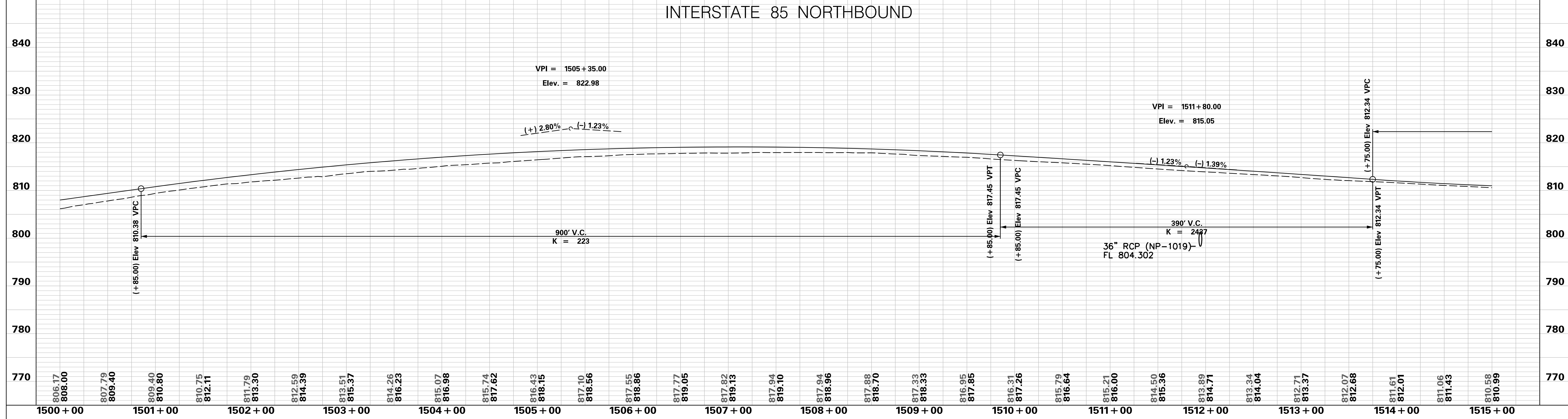
INTERSTATE 85
STA. 1500 + 00 - STA. 1515 + 00

SCALE: 1" = 50'

INTERSTATE 85 SOUTHBOUND



INTERSTATE 85 NORTHBOUND

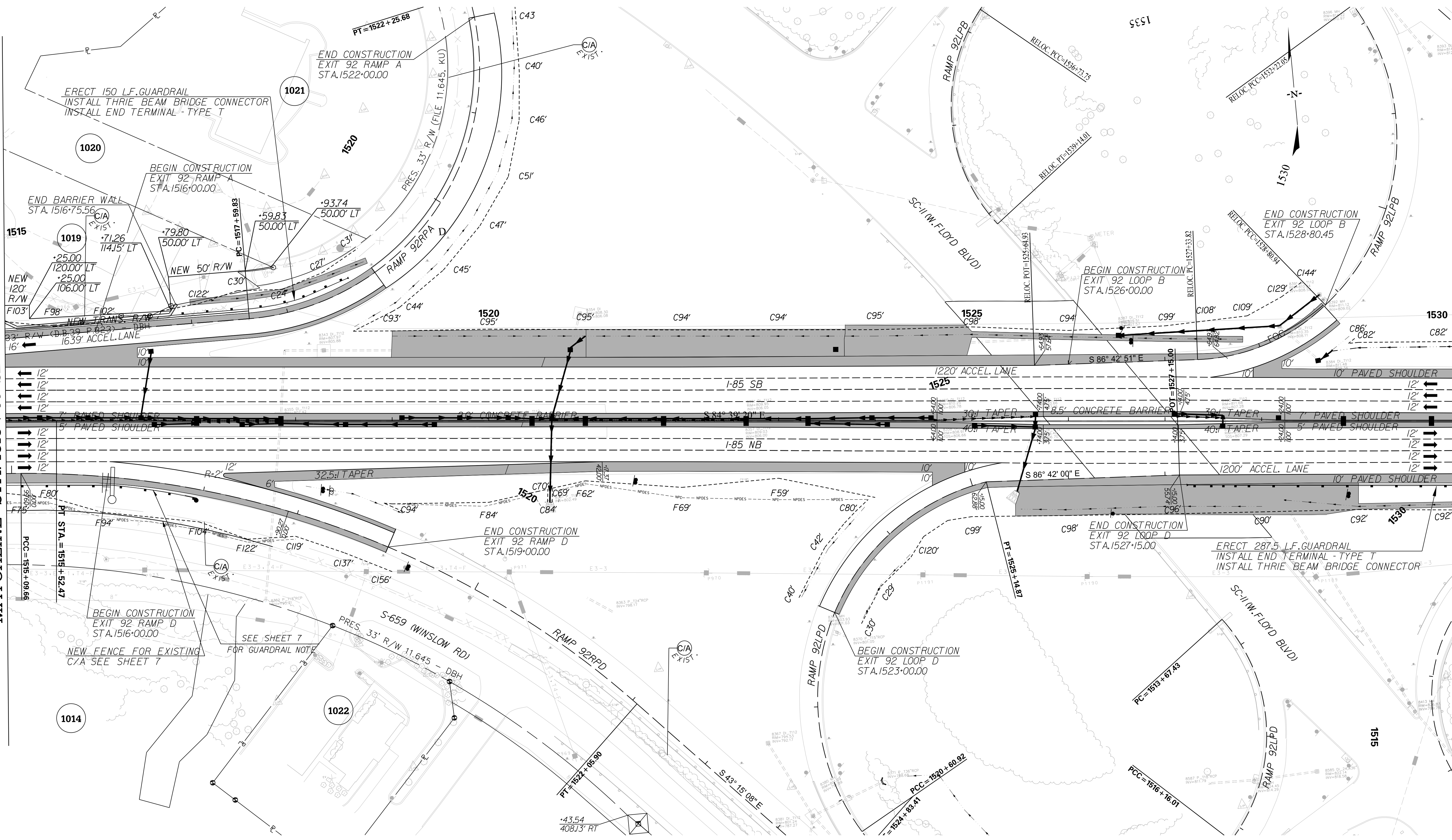


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SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

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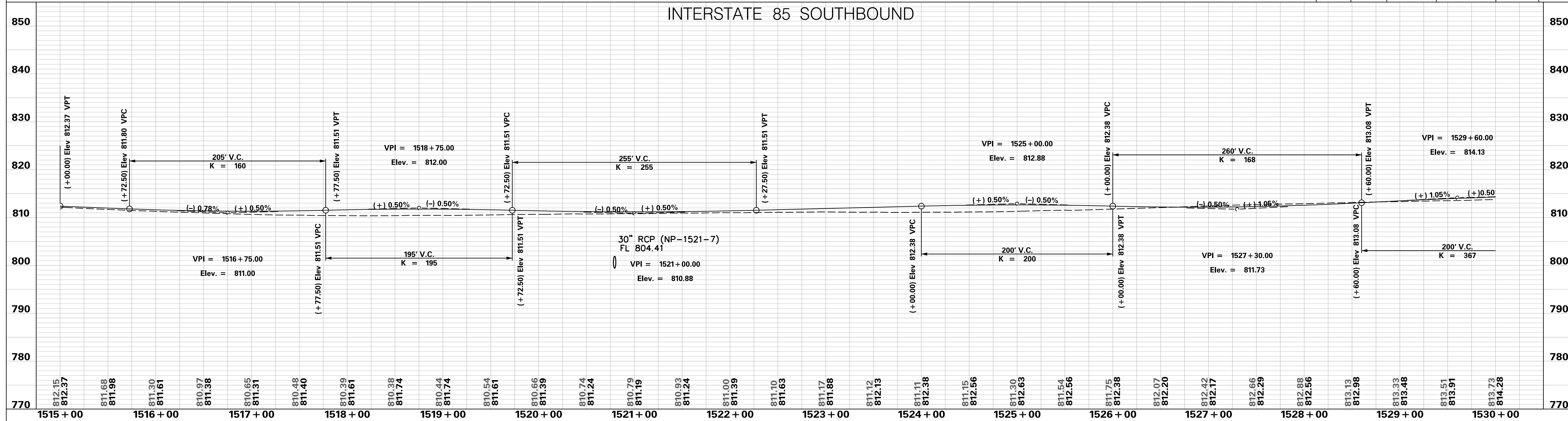
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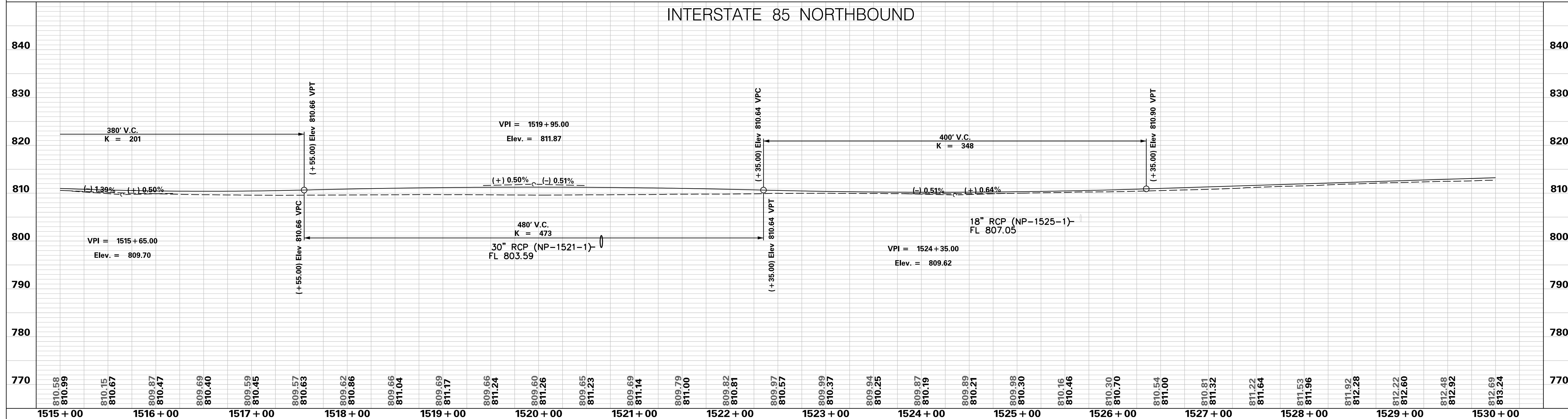
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	6					
	5					
	4					
	3					
	SCALE: 1" = 50'	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

p:\parrish-pw\Documents\Projects\I-85 Widening\Design\Roadway\Sheets\Pre\liminary\Plans\SECTION 4\08_PLAN.dgn 10/24/2017

INTERSTATE 85 SOUTHBOUND



INTERSTATE 85 NORTHBOUND



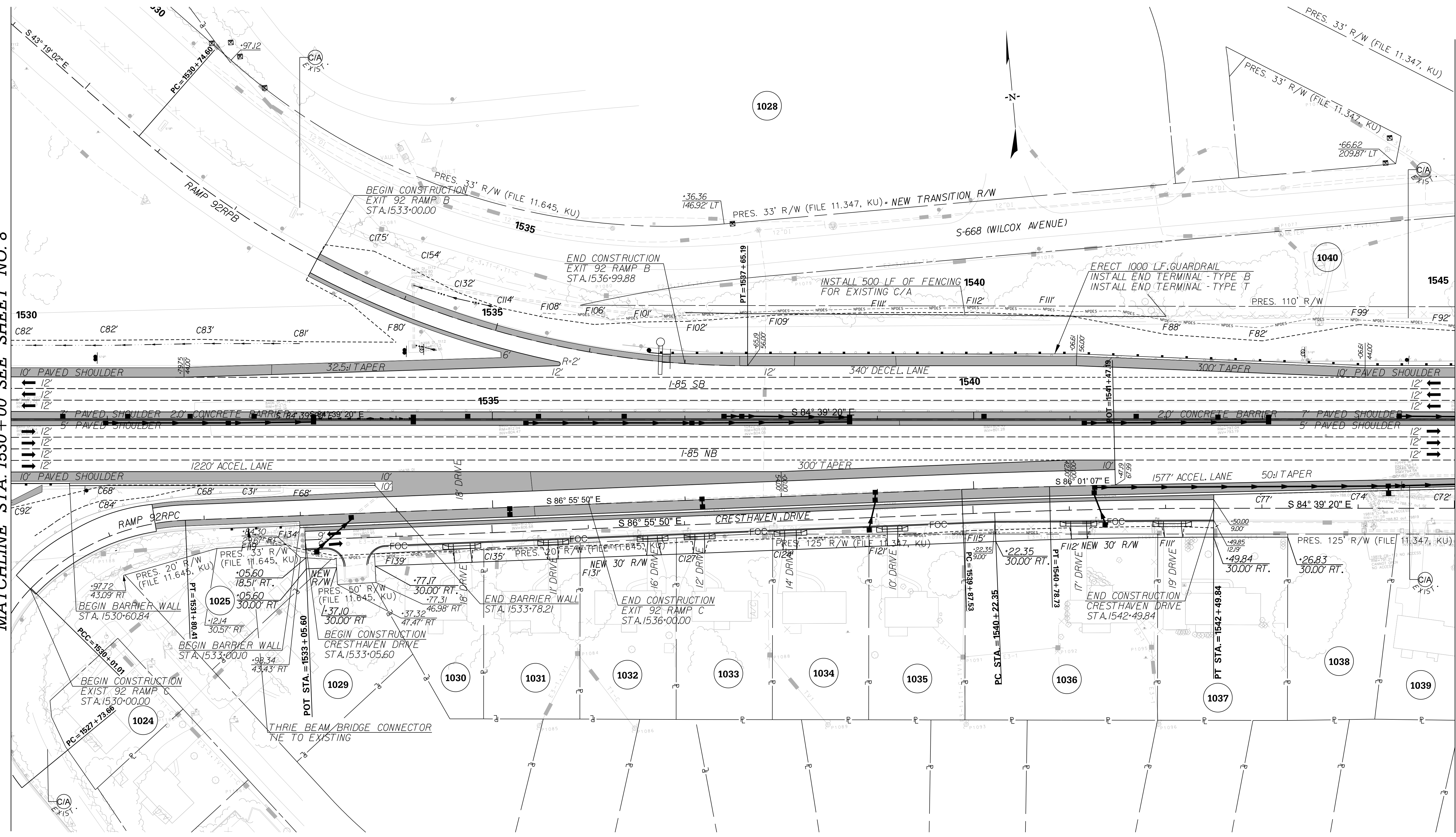
<p>PRELIMINARY NOT FOR CONSTRUCTION</p>	7				<p>SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85</p> <p>PROFILE SHEET</p> <p>INTERSTATE 85 WIDENING</p>
	6				
	5				
	4				
	3				
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	1				
	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)

p:\parrish-pw\Documents\parrish-pw\Documents\Projects\85 Widening\Design\Roadway\Sheets\PreliminaryPlans\SECTION 4\NS4_Mainline_Profile_Sheets.dgn 10/24/2017

MATCHLINE STA. 1530 + 00 SEE SHEET NO. 8

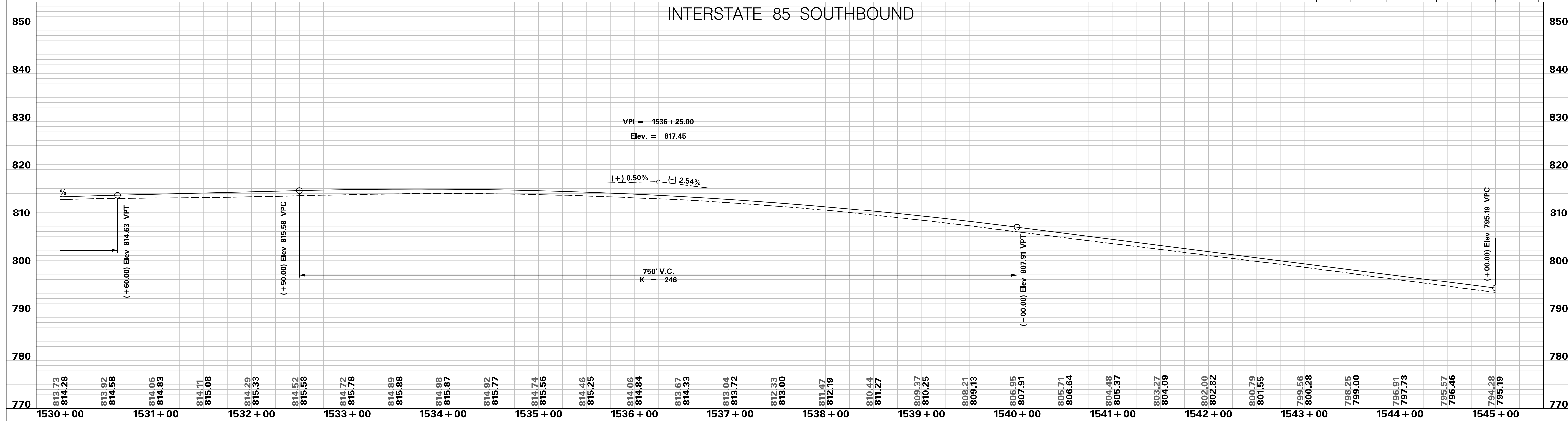
MATCHLINE STA. 1545 + 00 SEE SHEET NO. 10



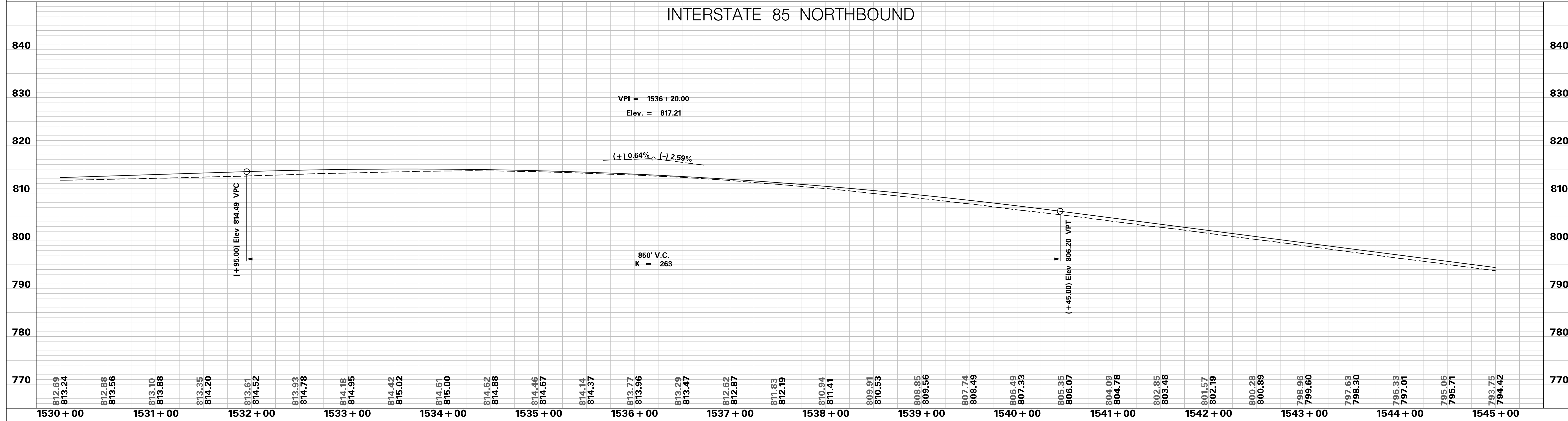
PRELIMINARY NOT FOR CONSTRUCTION	7				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85 PLAN SHEET INTERSTATE 85 STA. 1530 + 00 - STA. 1545 + 00
	6				
	5				
	4				
	3				
	2				
	1				
SCALE: 1" = 50'	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

p:\parrish-pw\Documents\Projects\I-85 Widening\Design\Roadway\Sheets\Pre\liminary\Plans\SECTION 4\09_PLAN.dgn 10/24/2017

INTERSTATE 85 SOUTHBOUND



INTERSTATE 85 NORTHBOUND

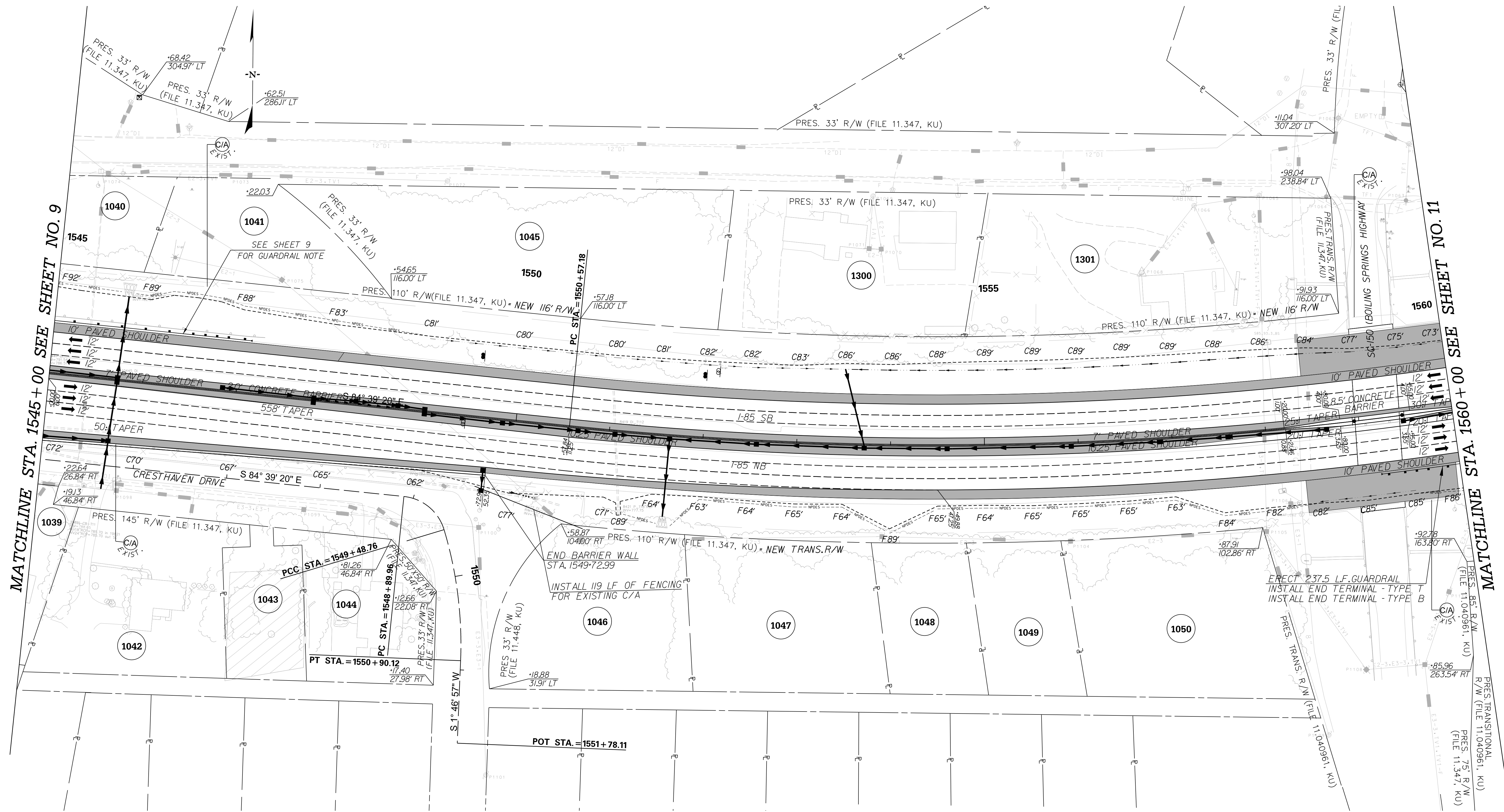


<p style="color: red; font-size: 24px; margin: 0;">PRELIMINARY NOT FOR CONSTRUCTION</p>	7				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85 PROFILE SHEET INTERSTATE 85 WIDENING
	6				
	5				
	4				
	3				
	2				
	1				
SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

p:\parrish-pw\Documents\Projects\85 Widening\Design\Roadway\Sheets\PreliminaryPlans\SECTION 4\54_Mainline_Profile_Sheets.dgn 10/24/2017

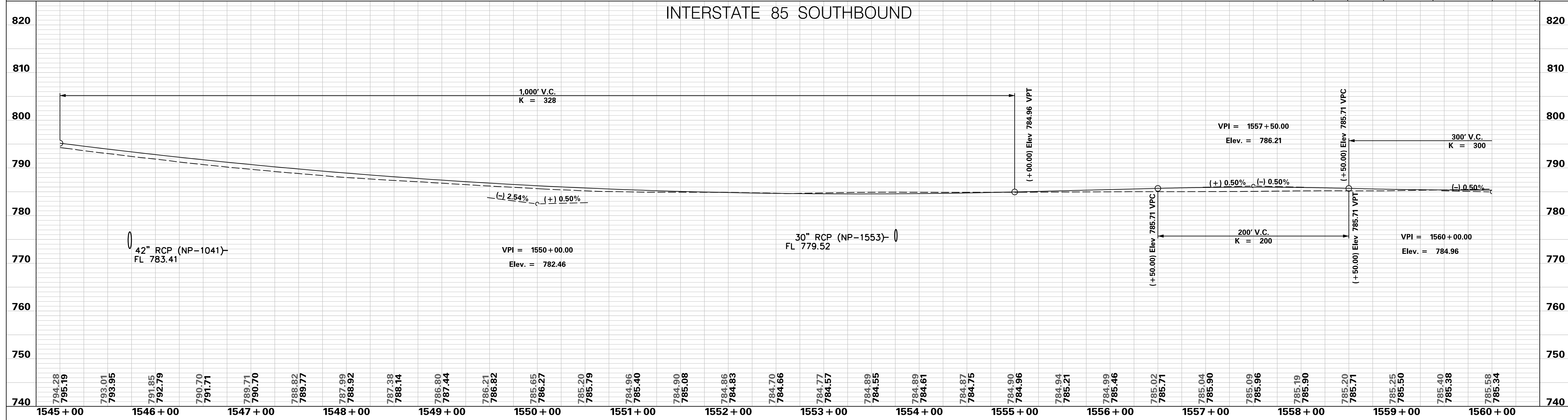
FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	SPARTANBURG CHEROKEE	P027114	INTERSTATE 85	10

p:\parrish-pw\Documents\Projects\I-85 Widening\Design\Roadway\Sheets\Pre\liminary\Plans\SECTION 4\NO_PLAN.dgn 10/24/2017

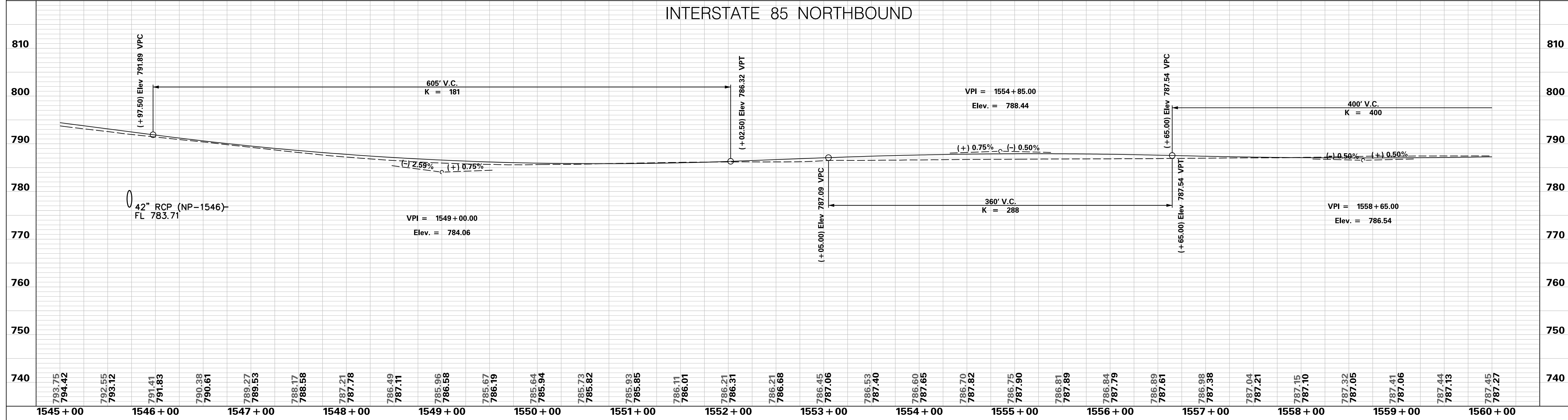


PRELIMINARY NOT FOR CONSTRUCTION	7				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85 PLAN SHEET INTERSTATE 85 STA. 1545+00 - STA. 1560+00
	6				
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SCALE: 1" = 50'	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

INTERSTATE 85 SOUTHBOUND



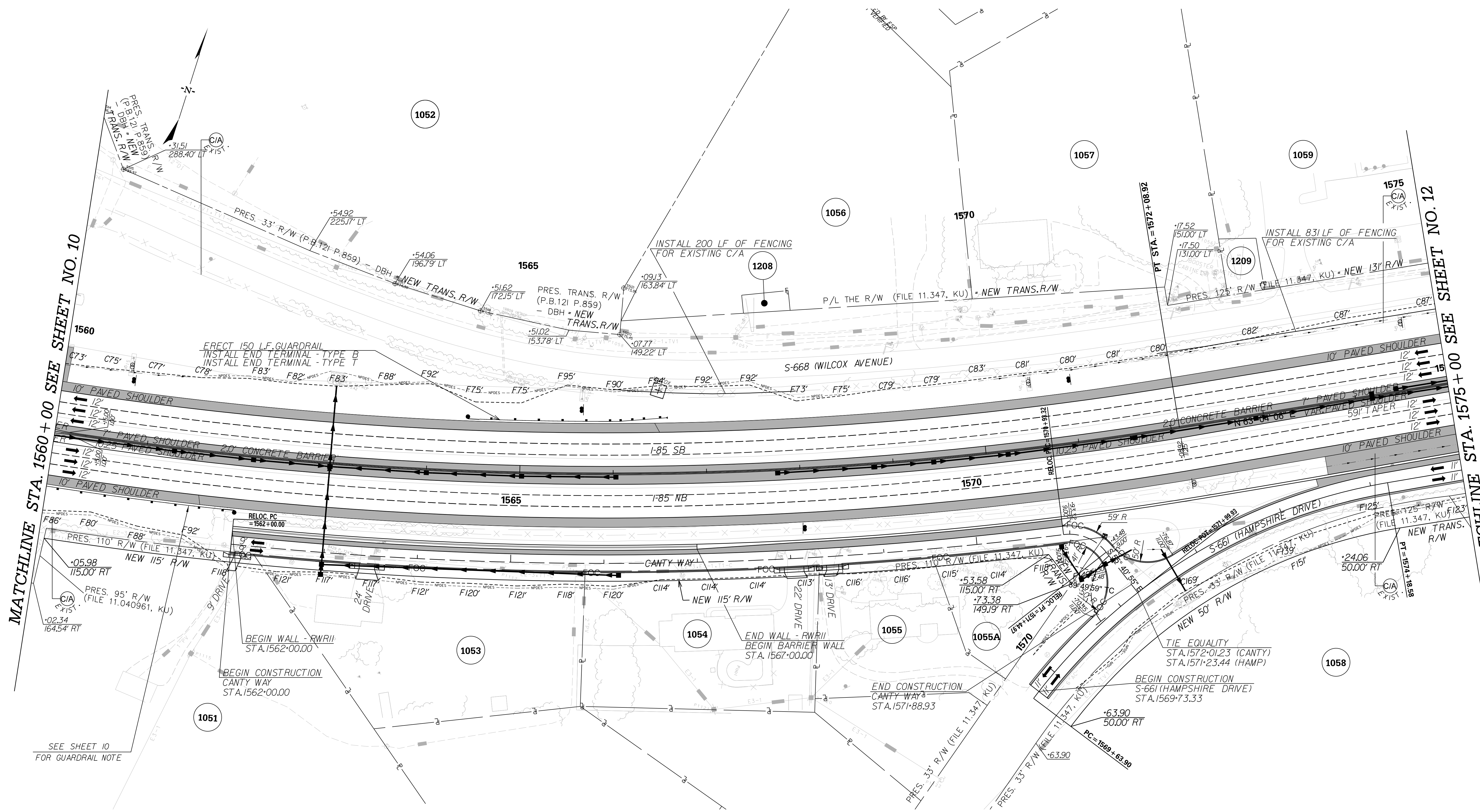
INTERSTATE 85 NORTHBOUND



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	6				
	5				
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	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)

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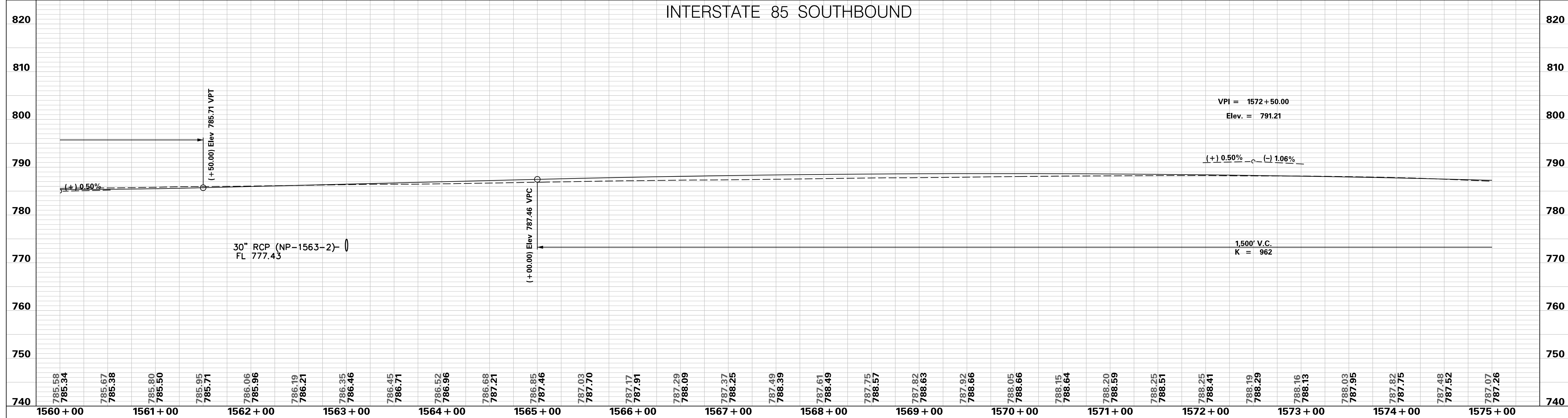
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SCALE: 1" = 50'	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

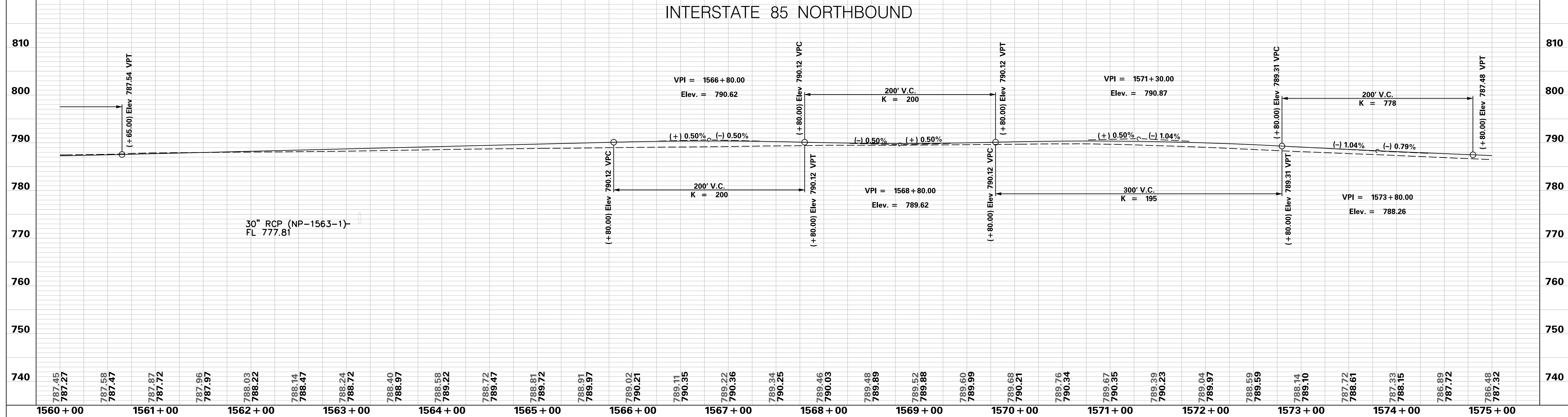
PLAN SHEET

INTERSTATE 85
STA. 1560+00 - STA. 1575+00

INTERSTATE 85 SOUTHBOUND



INTERSTATE 85 NORTHBOUND



PRELIMINARY
NOT FOR CONSTRUCTION

SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
7			
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SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

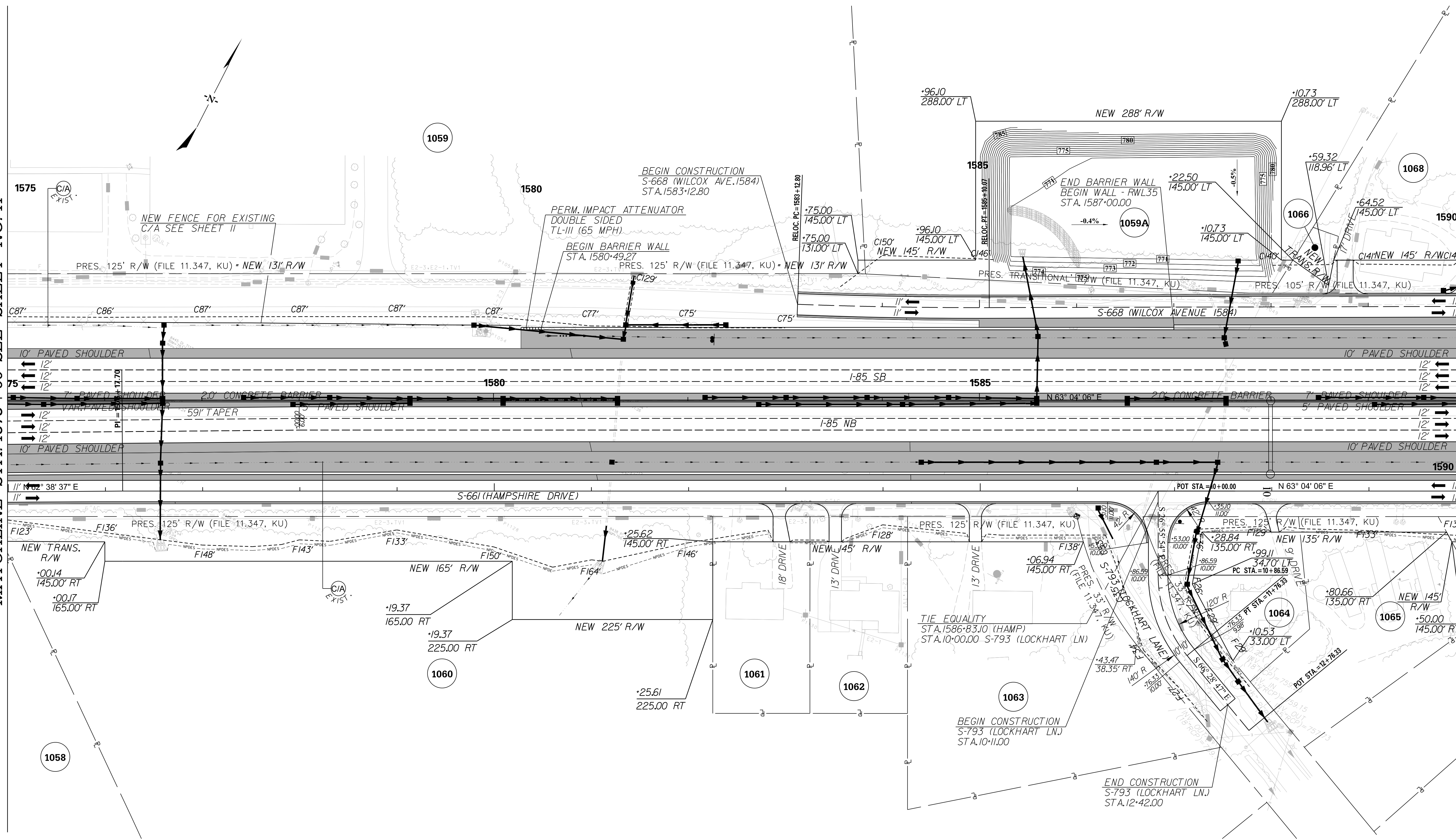
PROFILE SHEET

INTERSTATE 85 WIDENING

p:\parrish-pw\Documents\Projects\85 Widening\Design\Roadway\Sheets\PreliminaryPlans\SECTION 4\54_Mainline_Profile_Sheets.dgn 10/24/2017

MATCHLINE STA. 1575 + 00 SEE SHEET NO. 11

MATCHLINE STA. 1590 + 00 SEE SHEET NO. 13

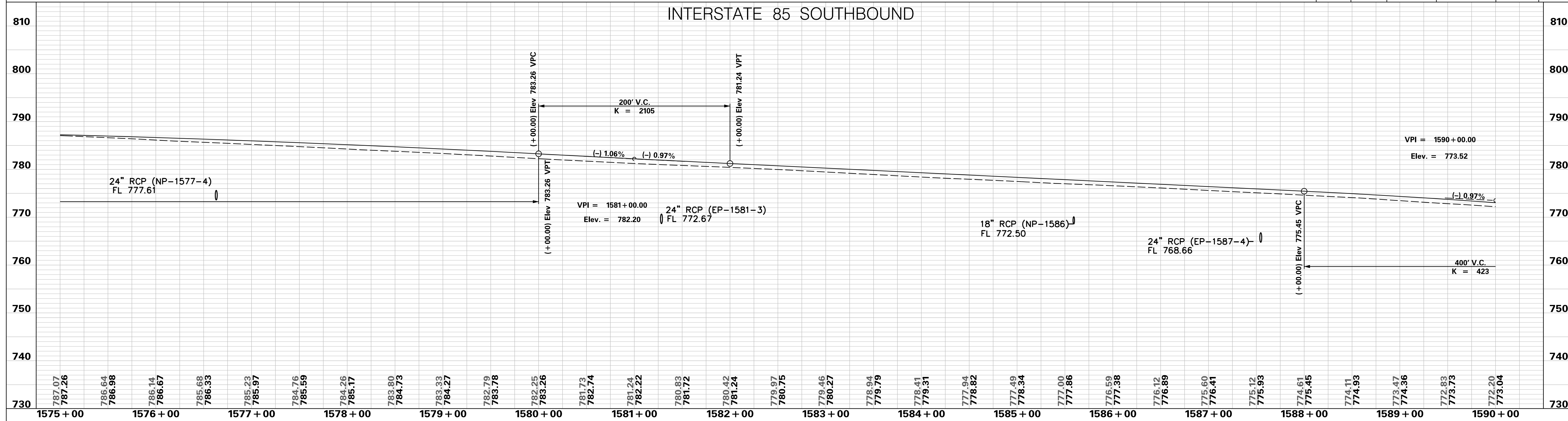


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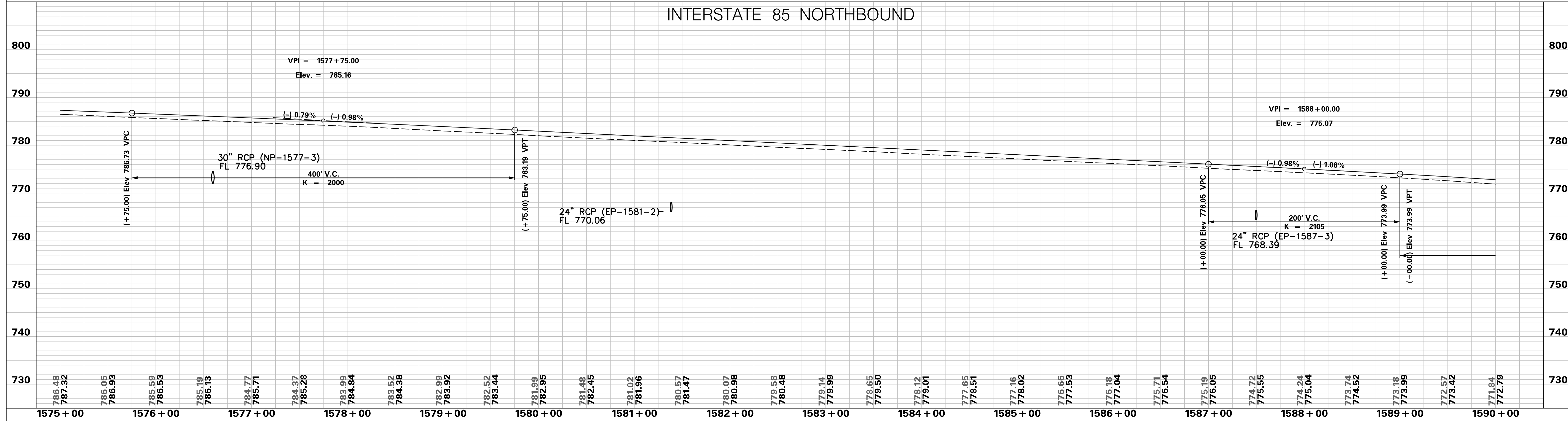
				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85	
				PLAN SHEET	
				INTERSTATE 85 STA. 1575 + 00 - STA. 1590 + 00	
7				REV. NO.	DESCRIPTION OF REVISION
6				BY	
5				DATE	
4					
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2					
1					

SCALE: 1" = 50'

INTERSTATE 85 SOUTHBOUND



INTERSTATE 85 NORTHBOUND

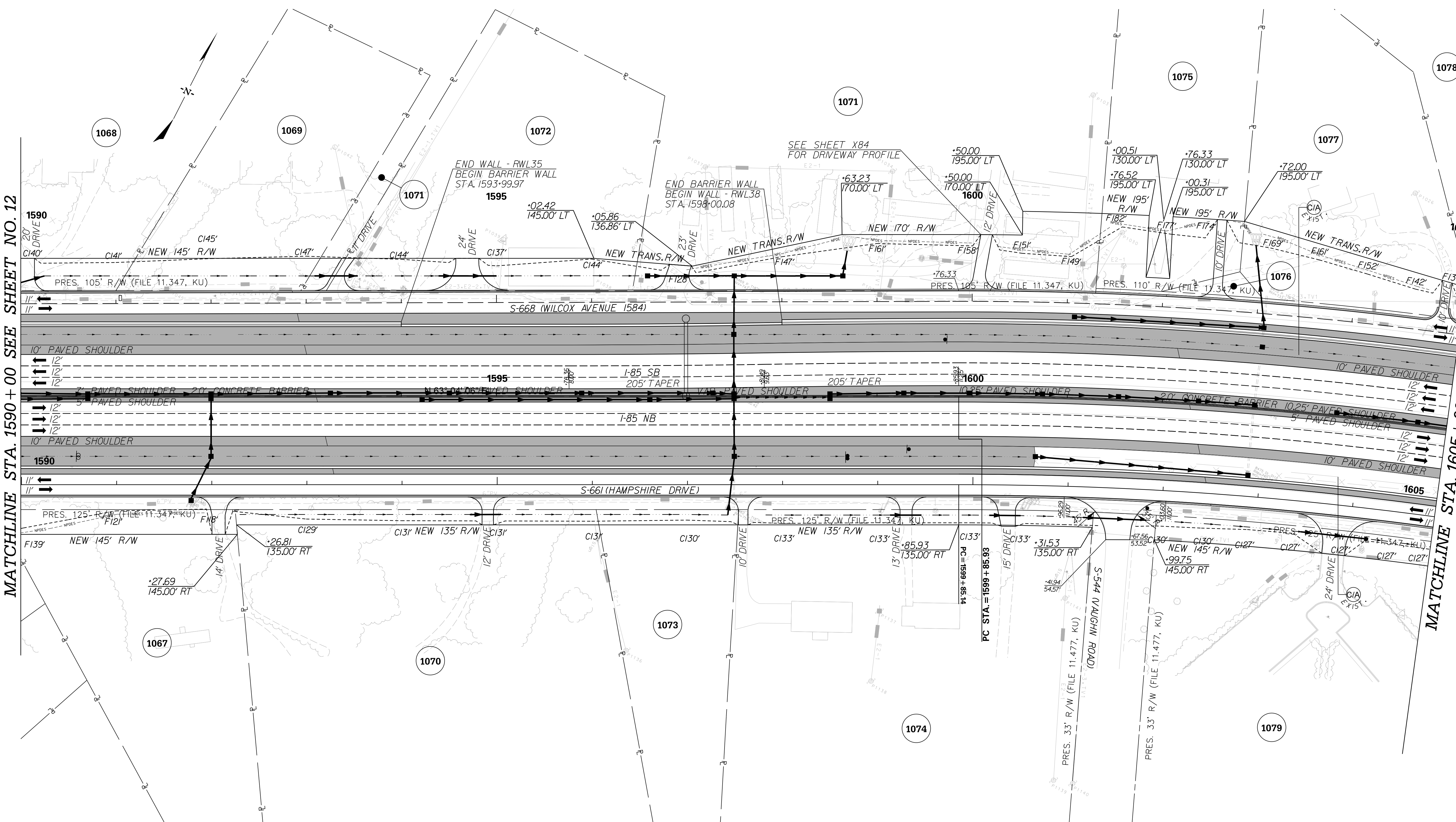


<p style="color: red; font-size: 24pt; margin: 0;">PRELIMINARY NOT FOR CONSTRUCTION</p>	7				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85 PROFILE SHEET INTERSTATE 85 WIDENING
	6				
	5				
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SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

p:\parrish-pw\Documents\Projects\I-85 Widening\Design\Roadway\Sheets\PreliminaryPlans\SECTION 4\54_Mainline_Profile_Sheets.dgn
 10/24/2017

MATCHLINE STA. 1590 + 00 SEE SHEET NO. 12

MATCHLINE STA. 1605 + 00 SEE SHEET NO. 14



**PRELIMINARY
NOT FOR CONSTRUCTION**

SCALE: 1" = 50'

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
7			
6			
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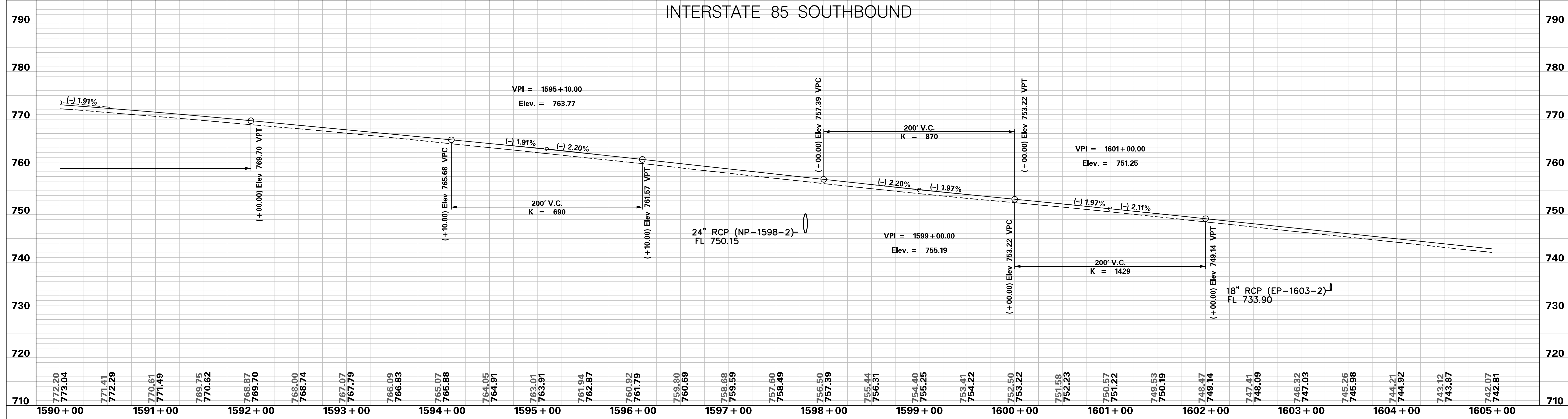
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

PLAN SHEET

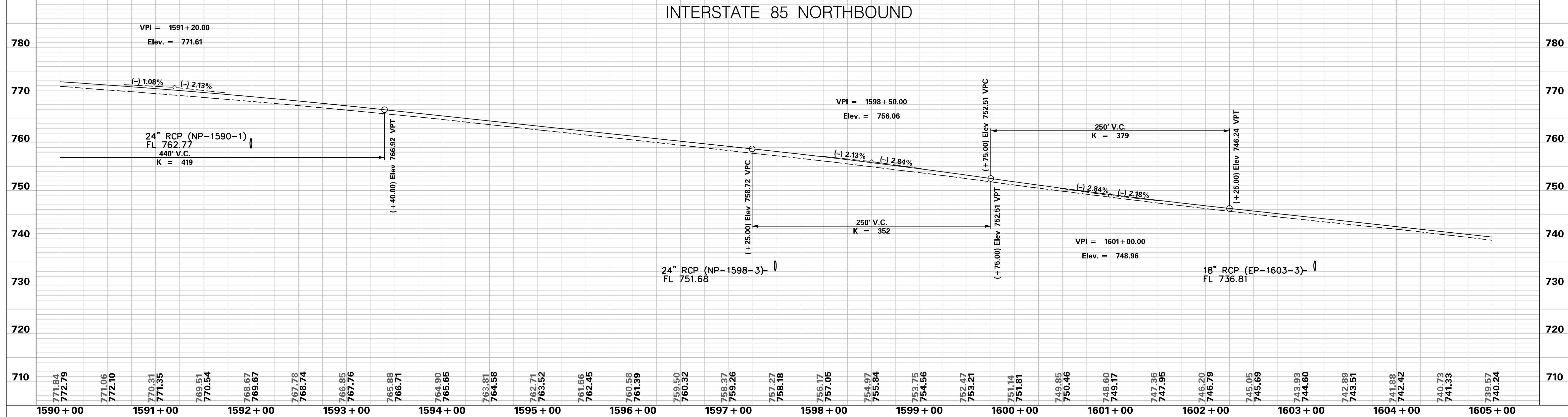
INTERSTATE 85
STA. 1590 + 00 - STA. 1605 + 00

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INTERSTATE 85 SOUTHBOUND



INTERSTATE 85 NORTHBOUND

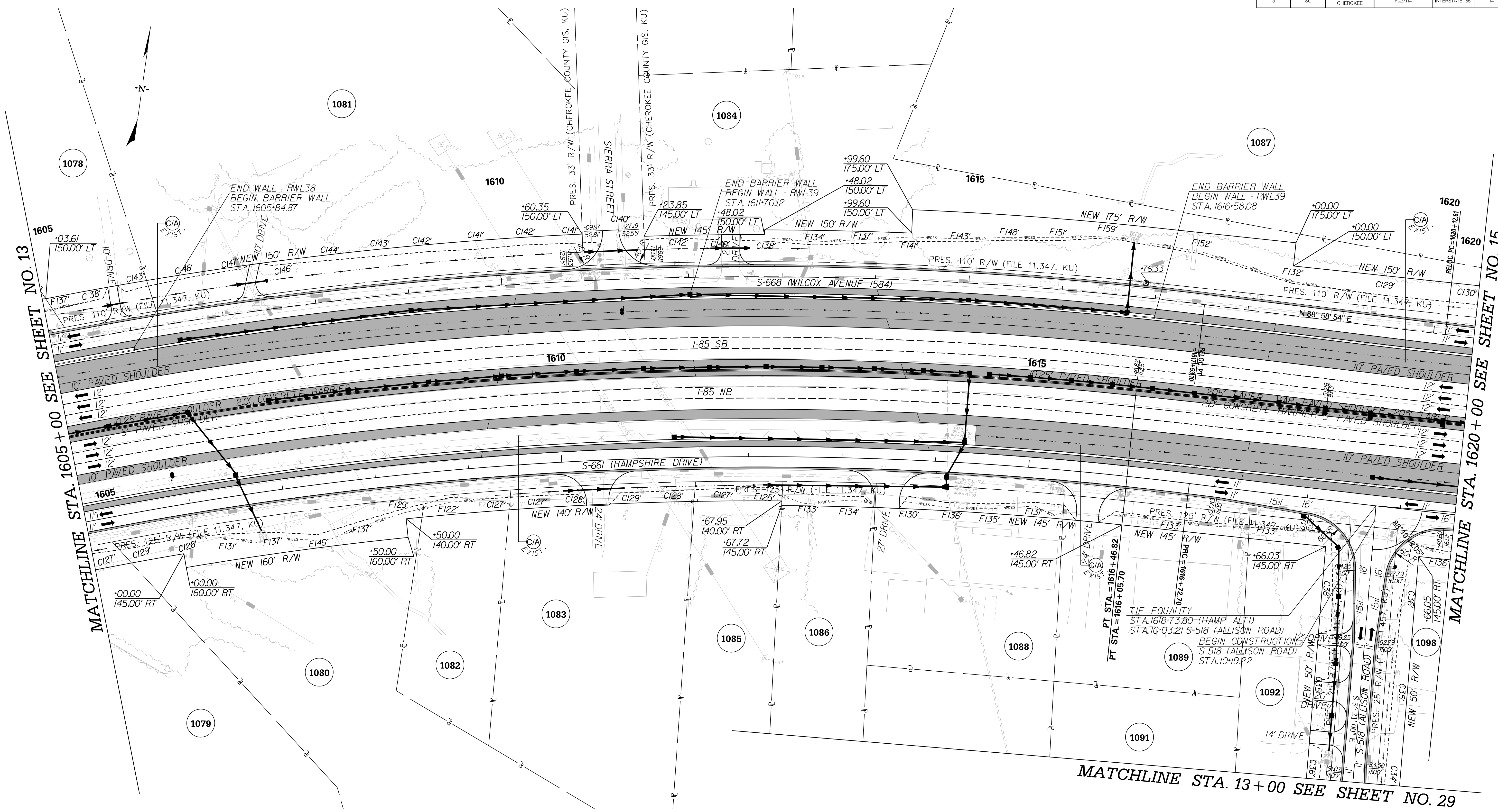


<p>PRELIMINARY NOT FOR CONSTRUCTION</p>	7					<p>SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85</p> <p>PROFILE SHEET</p> <p>INTERSTATE 85 WIDENING</p>
	6					
	5					
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	2					
	1					
	SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

p:\parrish-pw\Documents\Projects\I-85 Widening\Design\Roadway\Sheets\PreliminaryPlans\SECTION 4\I-85 Mainline Profile Sheets.dgn
 10/24/2017

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	SPARTANBURG CHEROKEE	P027114	INTERSTATE 85	14

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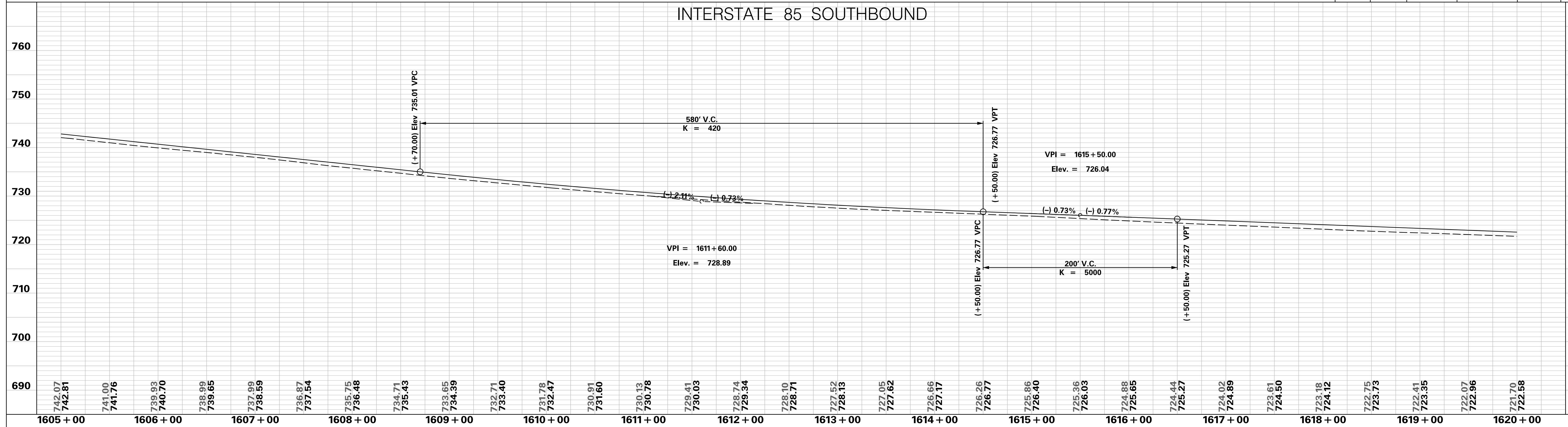
PRELIMINARY NOT FOR CONSTRUCTION	7				
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	1				
SCALE: 1" = 50'	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

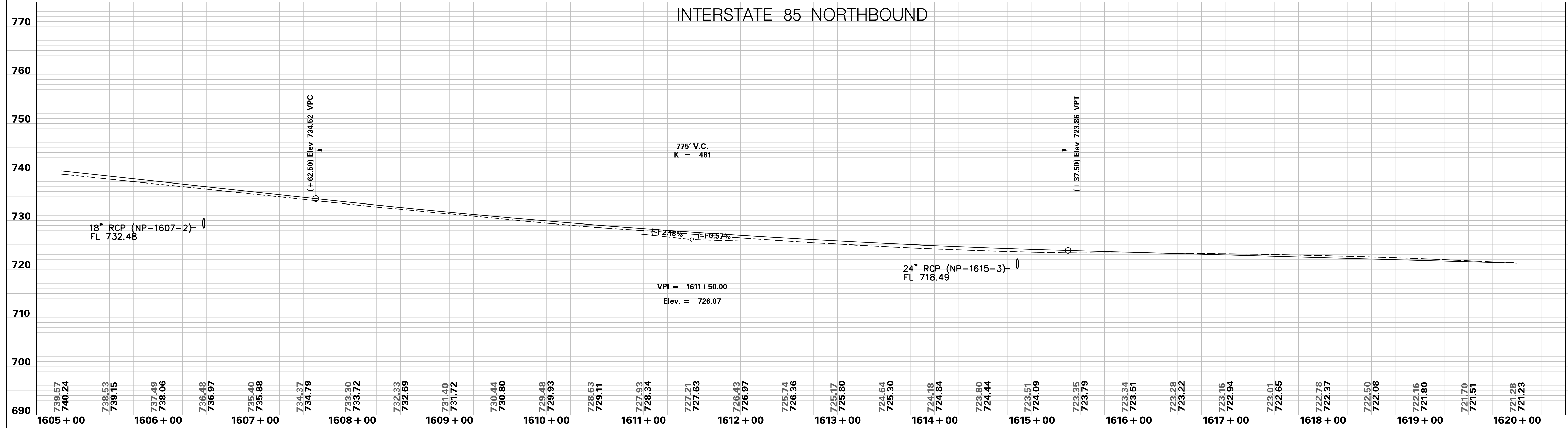
PLAN SHEET

INTERSTATE 85
STA. 1605+00 - STA. 1620+00

INTERSTATE 85 SOUTHBOUND



INTERSTATE 85 NORTHBOUND



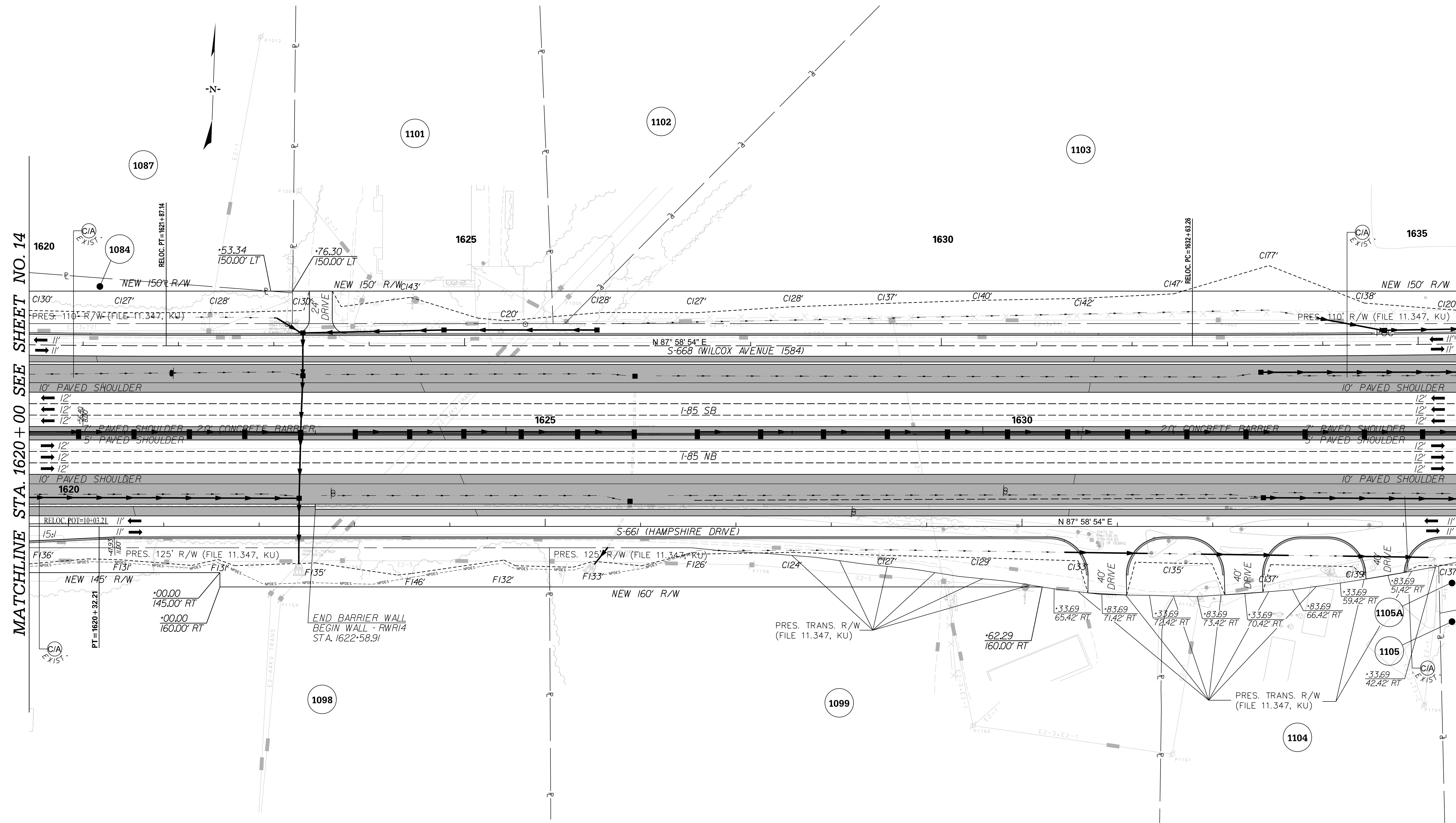
<p style="color: red; font-size: 24px; margin: 0;">PRELIMINARY NOT FOR CONSTRUCTION</p>	7				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85 PROFILE SHEET INTERSTATE 85 WIDENING
	6				
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SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

p:\parrish-pw\Documents\Projects\I-85 Widening\Design\Roadway\Sheets\Section\SECTION 4\I-85 Mainline Profile Sheets.dgn 10/24/2017

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	SPARTANBURG CHEROKEE	P027114	INTERSTATE 85	15

MATCHLINE STA. 1620+00 SEE SHEET NO. 14

MATCHLINE STA. 1635+00 SEE SHEET NO. 16

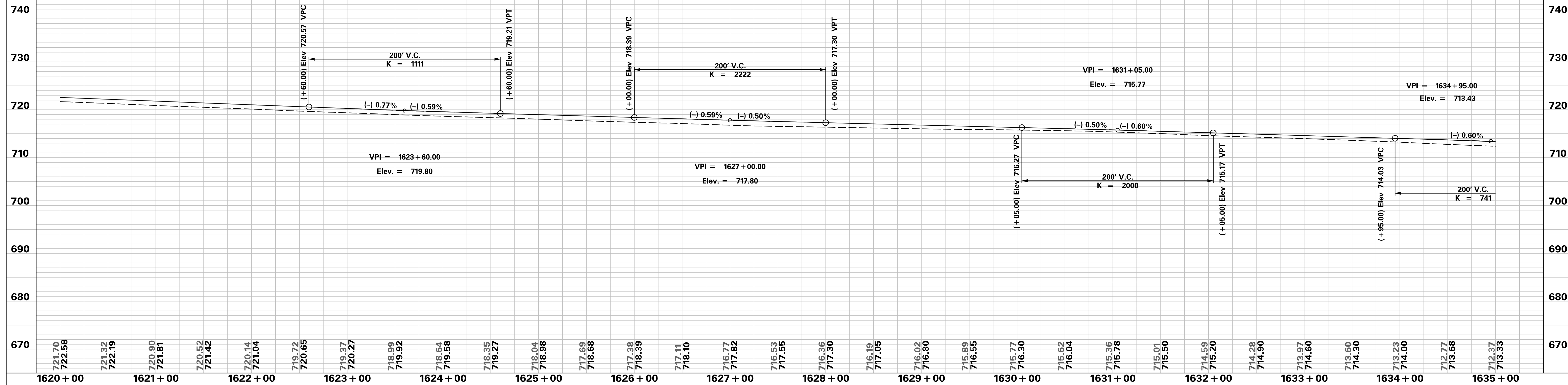


PRELIMINARY NOT FOR CONSTRUCTION	7				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85 PLAN SHEET INTERSTATE 85 STA. 1620+00 - STA. 1635+00
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	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

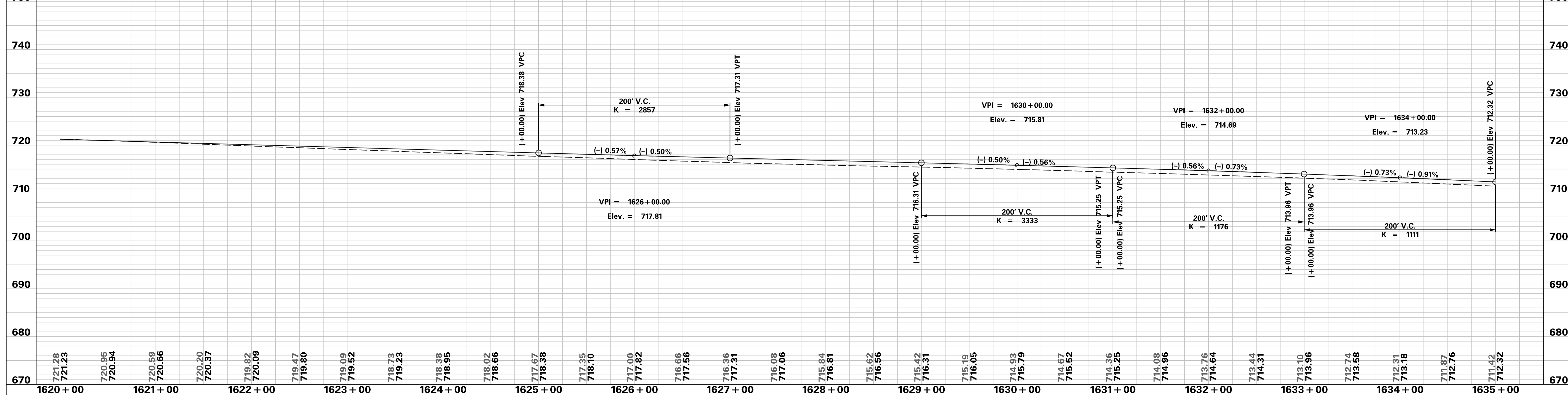
SCALE: 1" = 50'

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INTERSTATE 85 SOUTHBOUND



INTERSTATE 85 NORTHBOUND



PRELIMINARY
NOT FOR CONSTRUCTION

SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

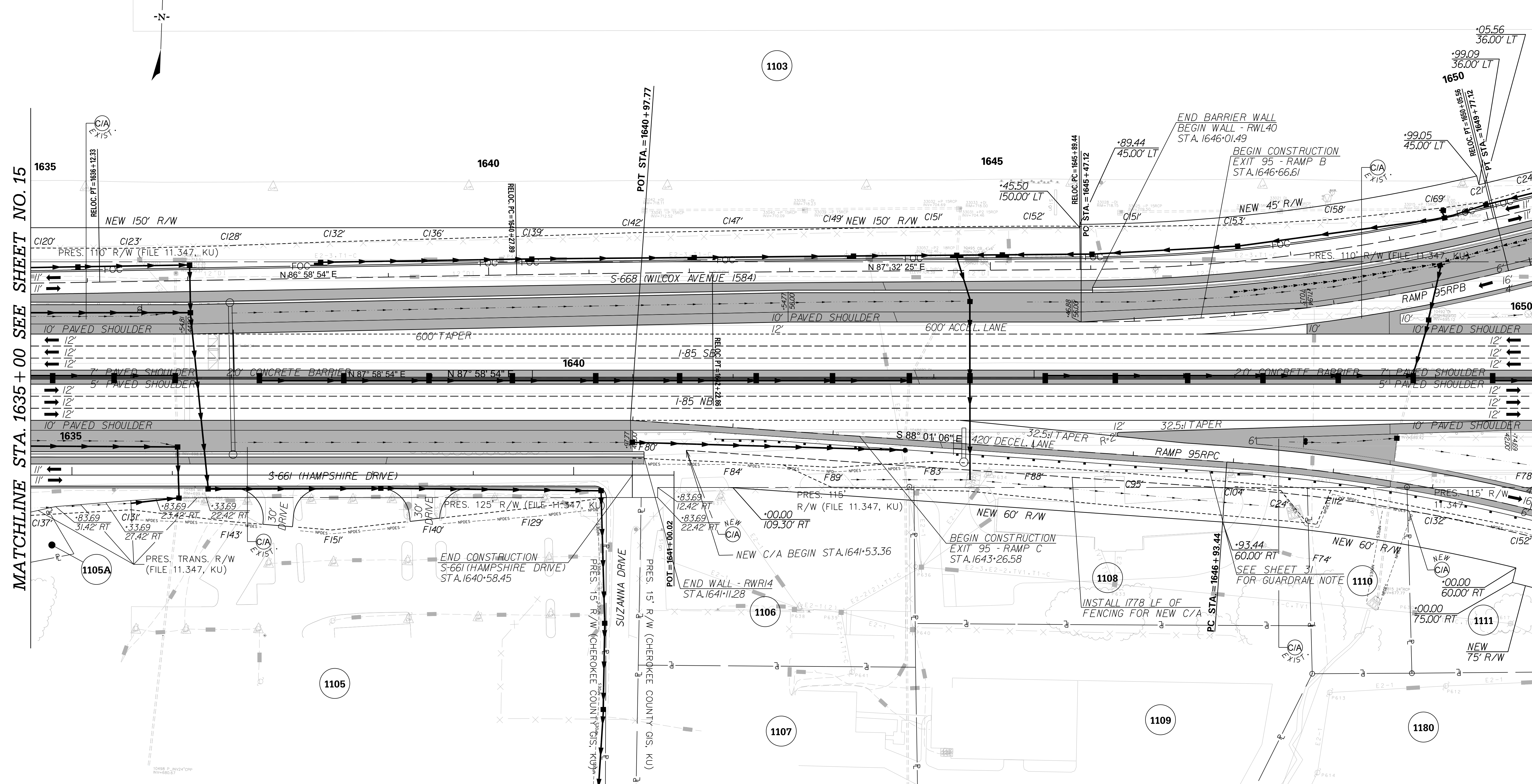
PROFILE SHEET

INTERSTATE 85 WIDENING

p:\parrish-pw\Documents\Projects\I-85 Widening\Design\Roadway\Sheets\PreliminaryPlans\SECTION 4\54_Mainline_Profile_Sheets.dgn 10/24/2017

MATCHLINE STA. 1635 + 00 SEE SHEET NO. 15

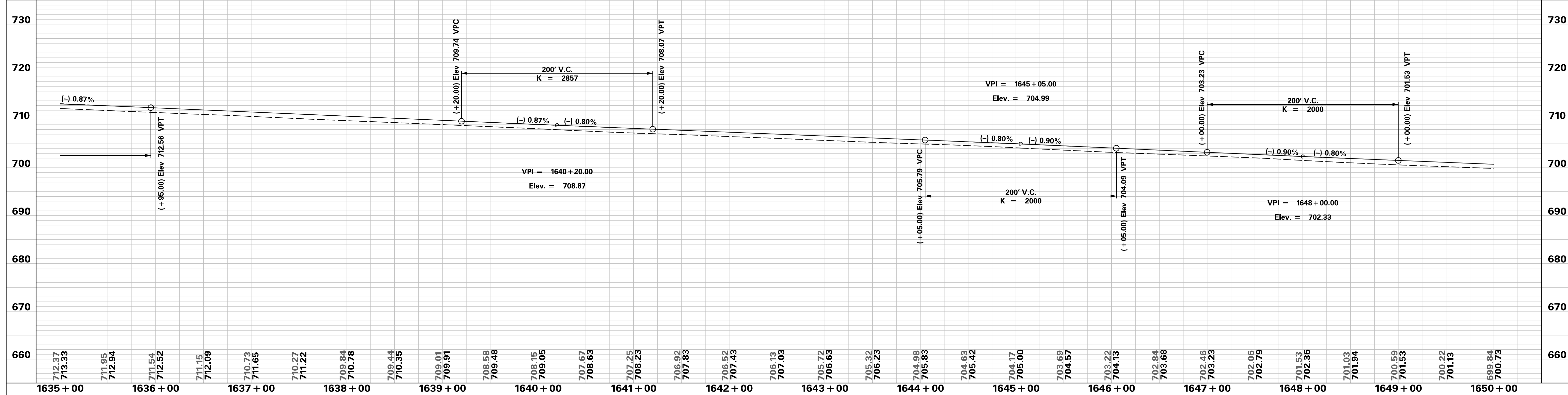
MATCHLINE STA. 1650 + 00 SEE SHEET NO. 17



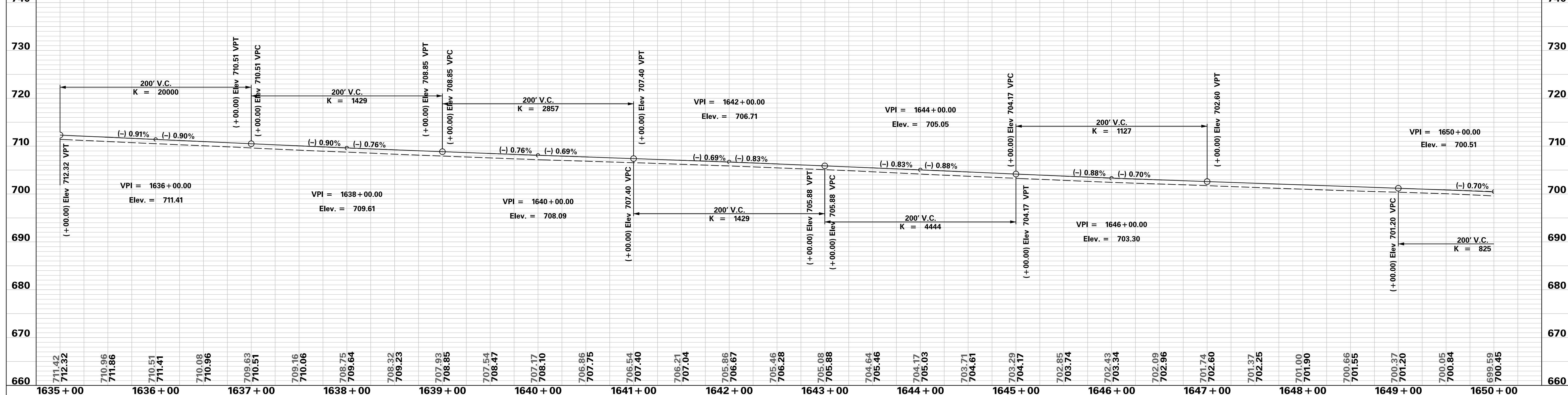
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	6				
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SCALE: 1" = 50'	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

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INTERSTATE 85 SOUTHBOUND

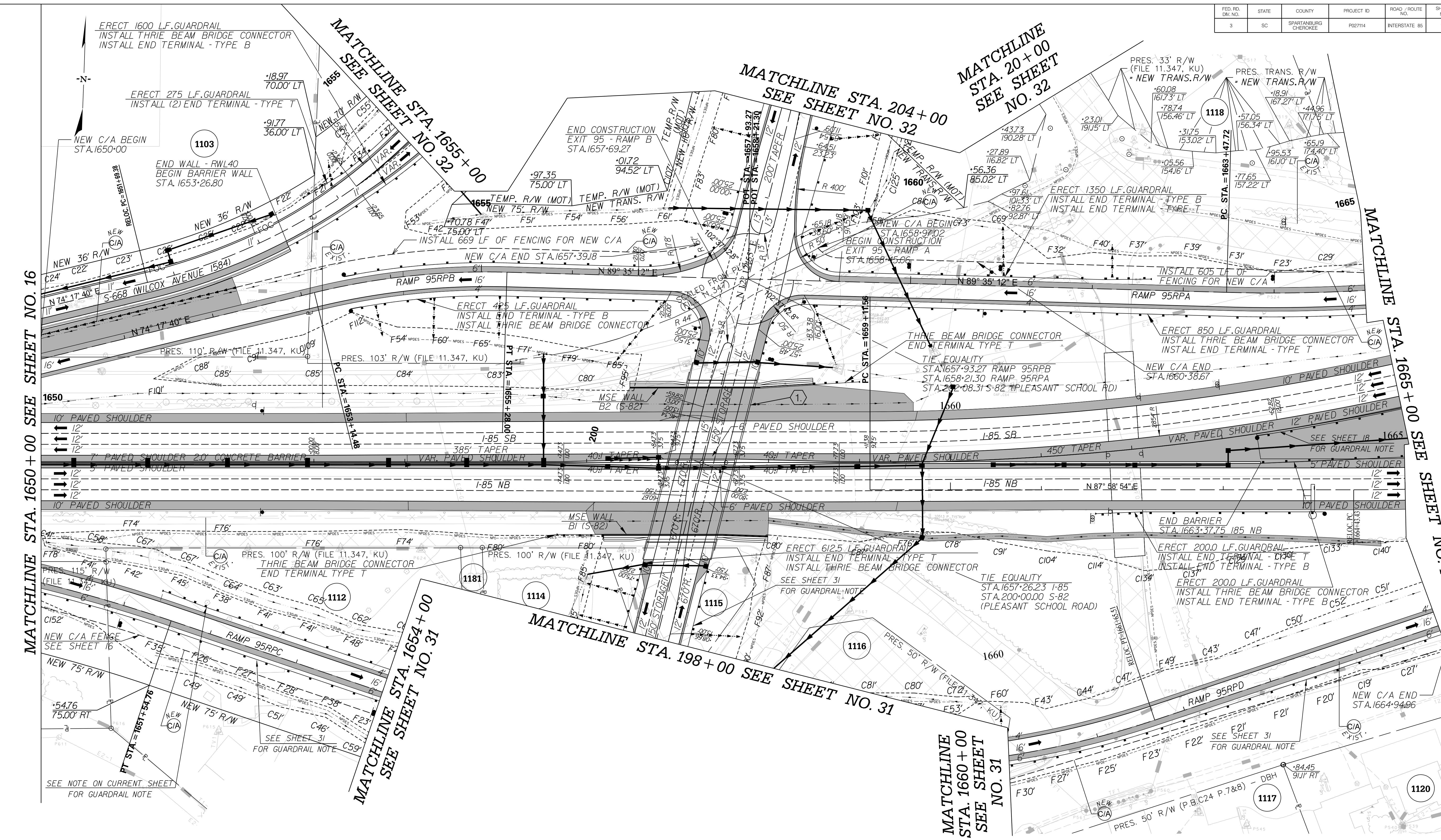


INTERSTATE 85 NORTHBOUND



PRELIMINARY NOT FOR CONSTRUCTION	7				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85	
	6					PROFILE SHEET
	5					
4				INTERSTATE 85 WIDENING		
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SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)	REV. NO.	BY	DATE	DESCRIPTION OF REVISION		

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MATCHLINE STA. 1650 + 00 SEE SHEET NO. 16

MATCHLINE STA. 1665 + 00 SEE SHEET NO. 18

KEYNOTES:

- 1. CONSTRUCT 183' PRESTRESSED CONCRETE BRIDGE ON S-82 (PLEASANT SCHOOL RD.) STA. 199+10.00 TO STA. 200+93.00 AT EXIT 95 (SEE BRIDGE PLANS)

PRELIMINARY NOT FOR CONSTRUCTION			
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

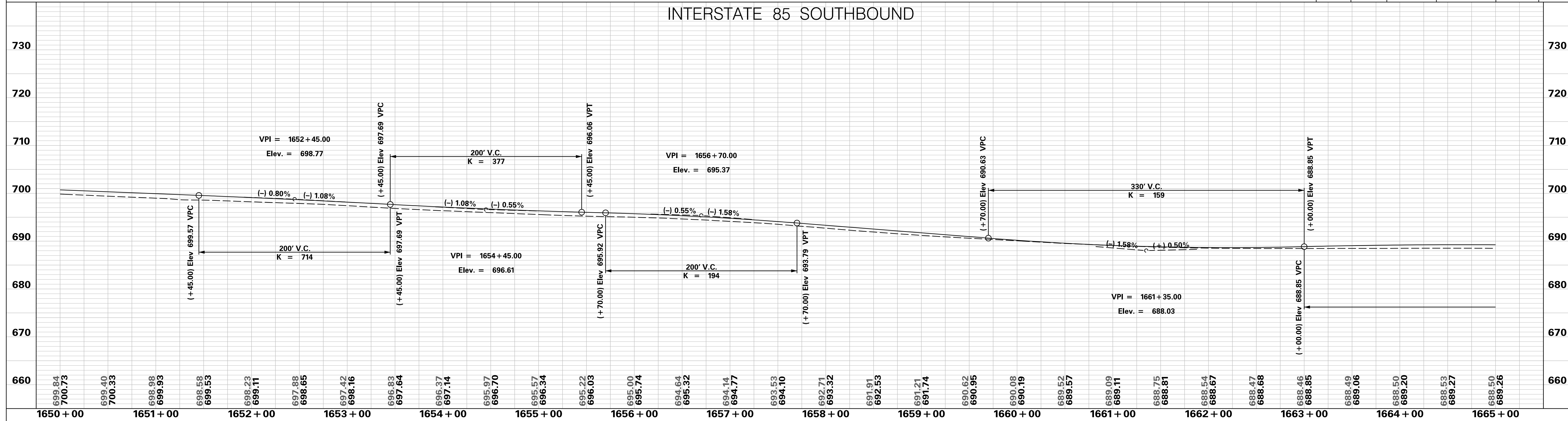
PLAN SHEET

INTERSTATE 85
STA. 1650+00 - STA. 1665+00

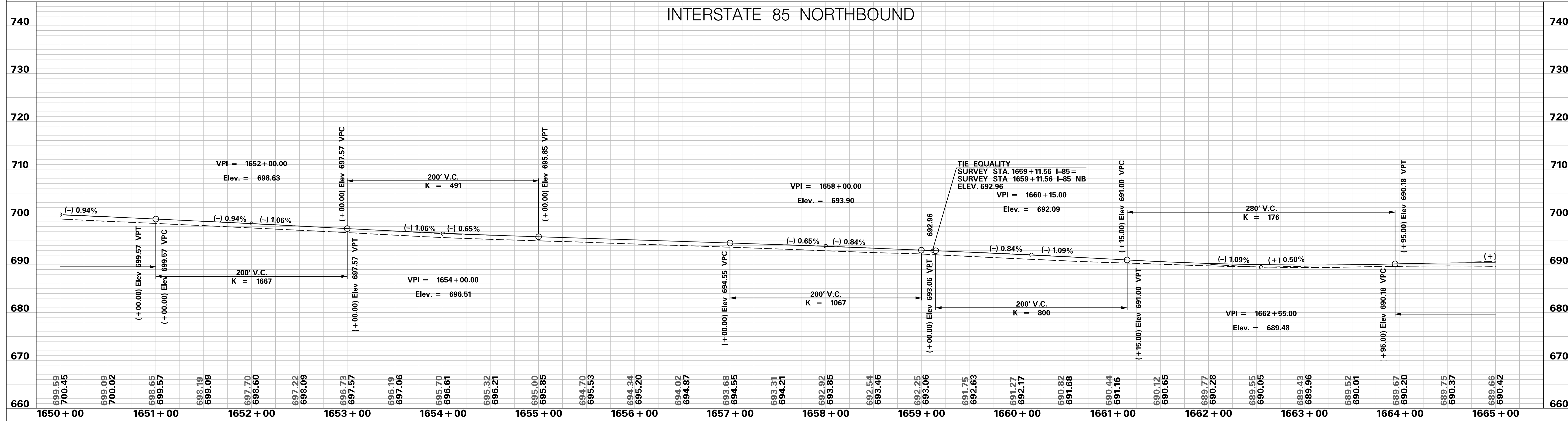
SCALE: 1" = 50'

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INTERSTATE 85 SOUTHBOUND



INTERSTATE 85 NORTHBOUND



PRELIMINARY
NOT FOR CONSTRUCTION

SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
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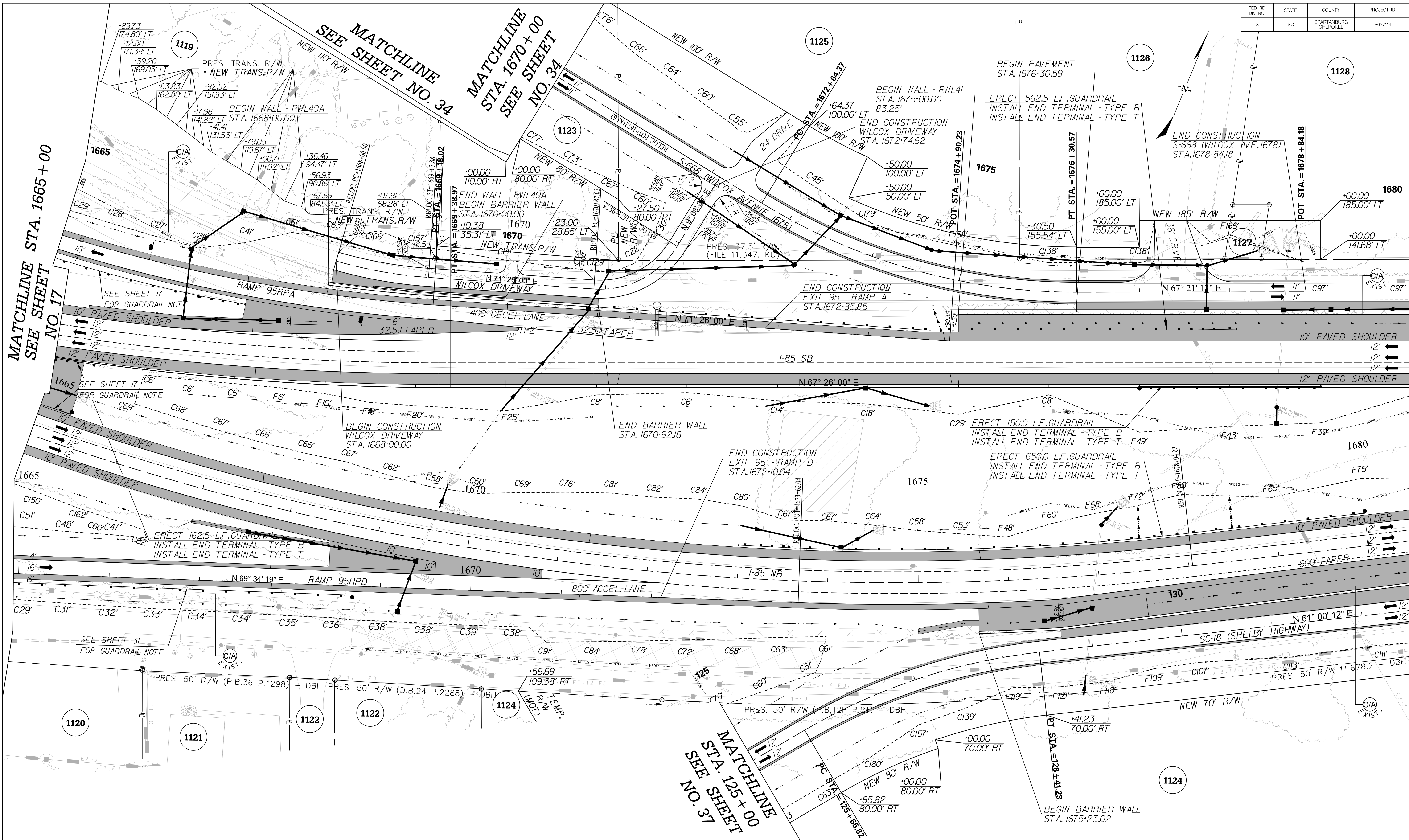
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

PROFILE SHEET

INTERSTATE 85 WIDENING

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FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	SPARTANBURG CHEROKEE	P027114	INTERSTATE 85	18



MATCHLINE STA. 1665+00 SEE SHEET NO. 17

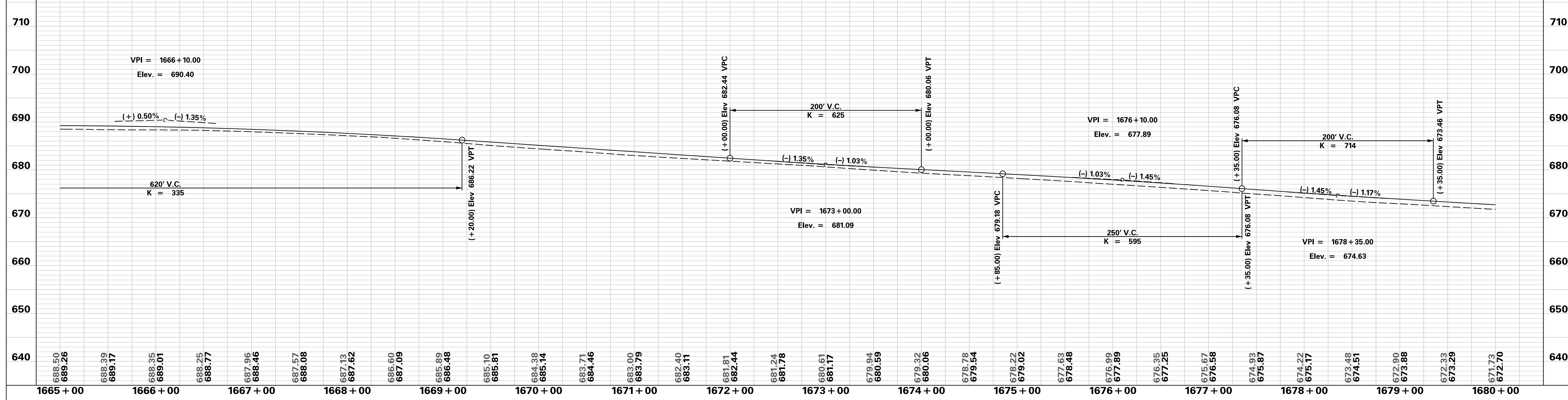
MATCHLINE STA. 1680+00 SEE SHEET NO. 19

<p>PRELIMINARY NOT FOR CONSTRUCTION</p>	7				
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SCALE: 1" = 50'	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

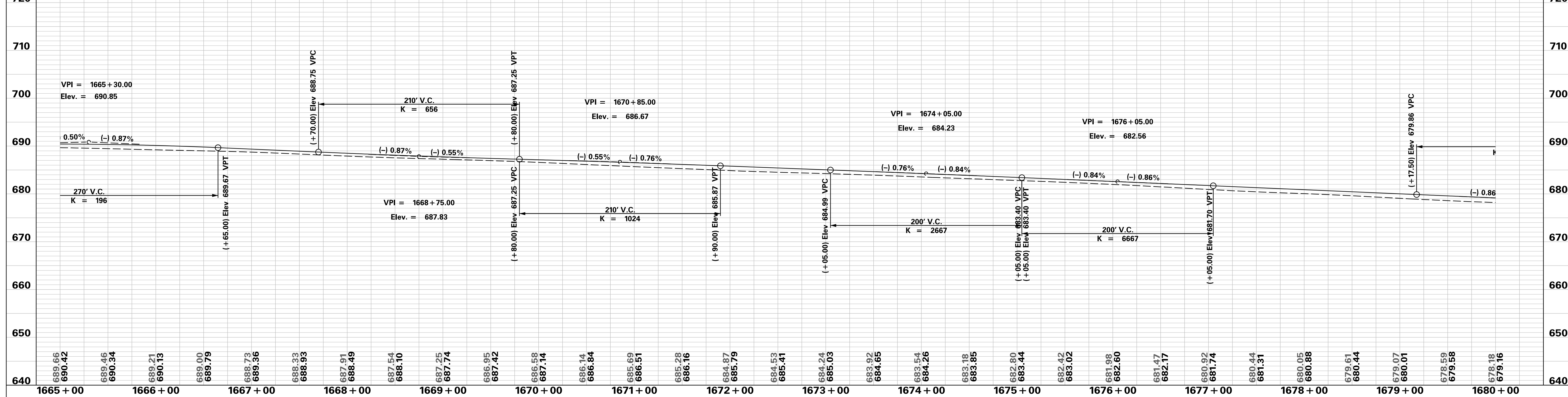
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85	
PLAN SHEET	
INTERSTATE 85 STA. 1665+00 - STA. 1680+00	

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INTERSTATE 85 SOUTHBOUND



INTERSTATE 85 NORTHBOUND



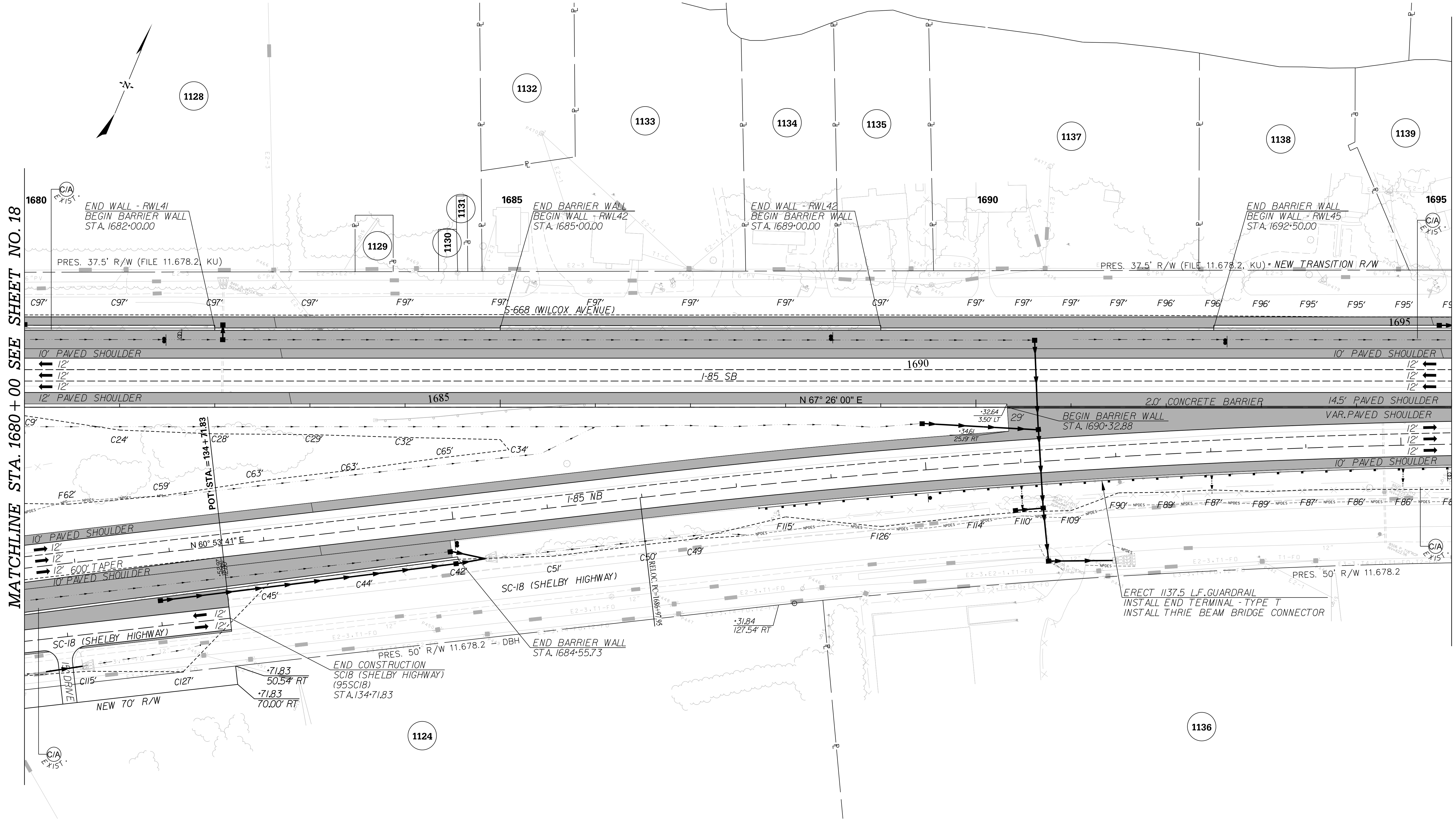
PRELIMINARY NOT FOR CONSTRUCTION	7				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85																
	6					PROFILE SHEET															
	5						INTERSTATE 85 WIDENING														
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SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)					<table border="1"> <thead> <tr> <th>REV. NO.</th> <th>BY</th> <th>DATE</th> <th>DESCRIPTION OF REVISION</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	REV. NO.	BY	DATE	DESCRIPTION OF REVISION												
REV. NO.	BY	DATE	DESCRIPTION OF REVISION																		

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FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	SPARTANBURG CHEROKEE	P027114	INTERSTATE 85	19

MATCHLINE STA. 1680 + 00 SEE SHEET NO. 18

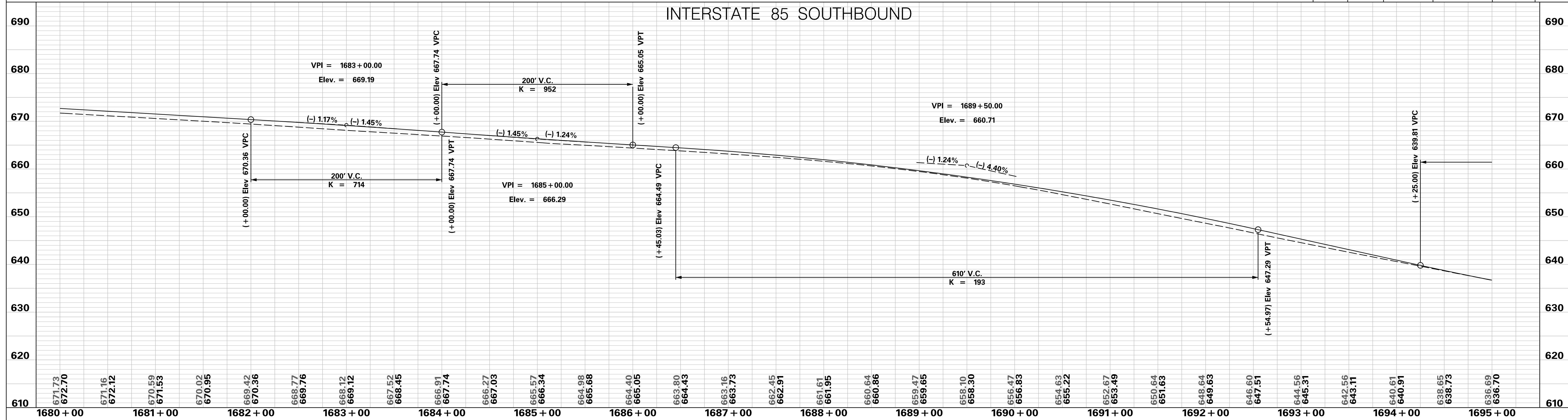
MATCHLINE STA. 1695 + 00 SEE SHEET NO. 20



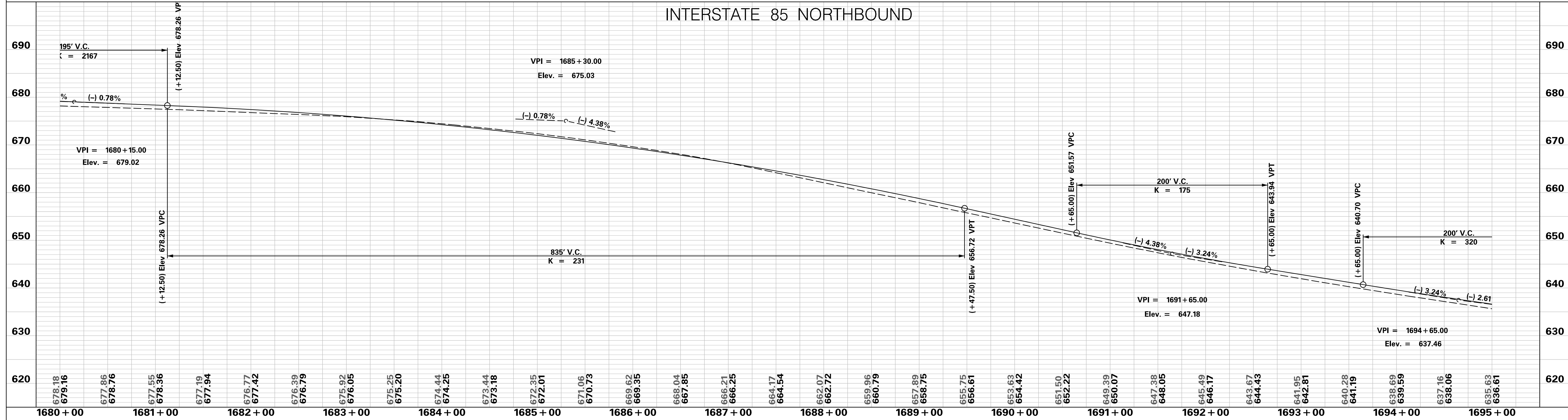
PRELIMINARY NOT FOR CONSTRUCTION	7					SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85 PLAN SHEET INTERSTATE 85 STA. 1680 + 00 - STA. 1695 + 00
	6					
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	1					
SCALE: 1" = 50'	REV. NO.	BY	DATE	DESCRIPTION OF REVISION		

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INTERSTATE 85 SOUTHBOUND



INTERSTATE 85 NORTHBOUND

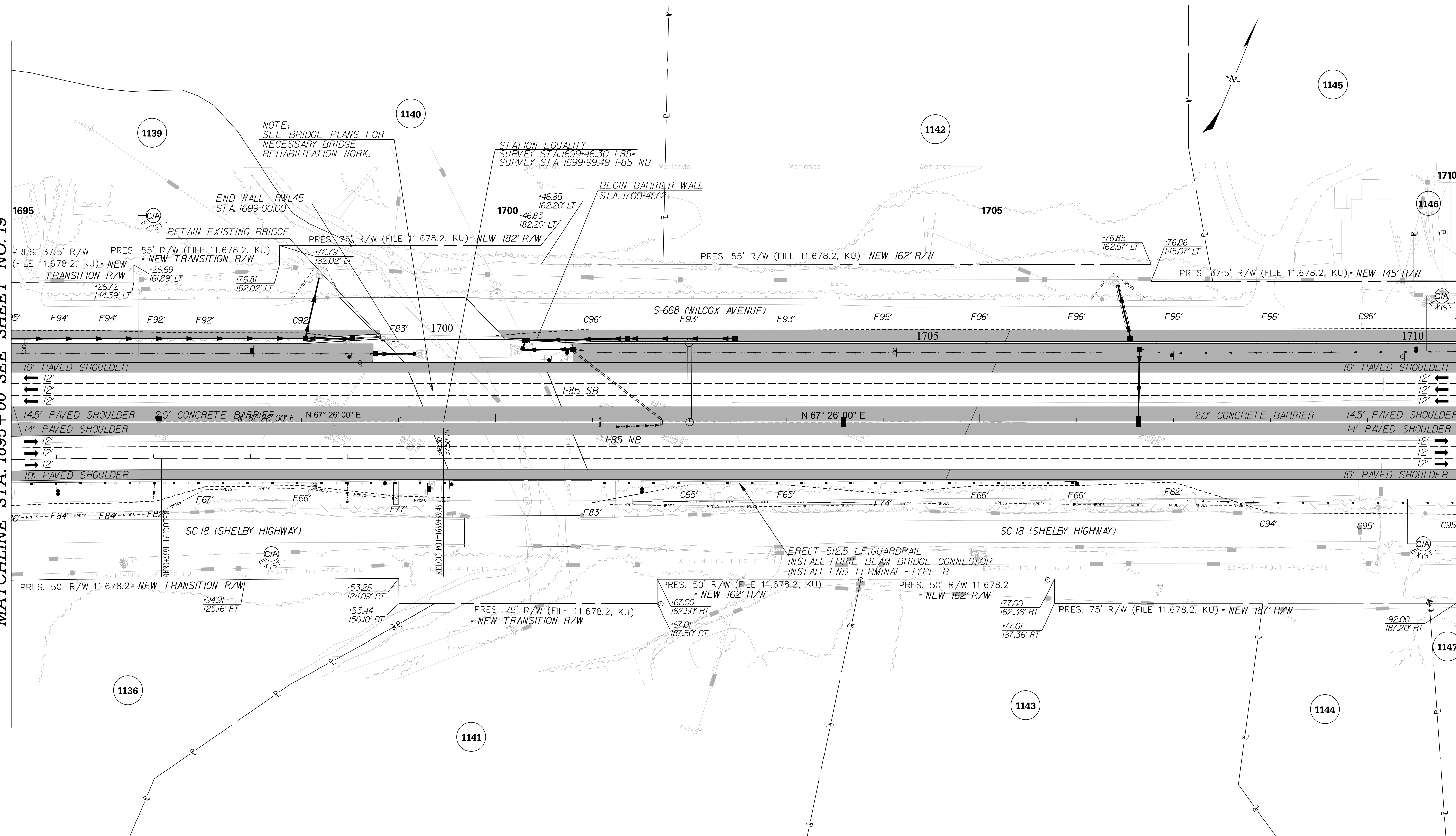


PRELIMINARY NOT FOR CONSTRUCTION	7				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85								
	6					PROFILE SHEET							
	5						INTERSTATE 85 WIDENING						
	4												
	3												
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SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)					<table border="1"> <tr> <th>REV. NO.</th> <th>BY</th> <th>DATE</th> <th>DESCRIPTION OF REVISION</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	REV. NO.	BY	DATE	DESCRIPTION OF REVISION				
REV. NO.	BY	DATE	DESCRIPTION OF REVISION										

p:\parrish-pw\Documents\Projects\I-85 Widening\Design\Roadway\Sheets\PreliminaryPlans\SECTION 4\I-85 Mainline Profile Sheets.dgn 10/24/2017

MATCHLINE STA. 1695 + 00 SEE SHEET NO. 19

MATCHLINE STA. 1710 + 00 SEE SHEET NO. 21



PRELIMINARY
NOT FOR CONSTRUCTION

SCALE: 1" = 50'

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
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SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

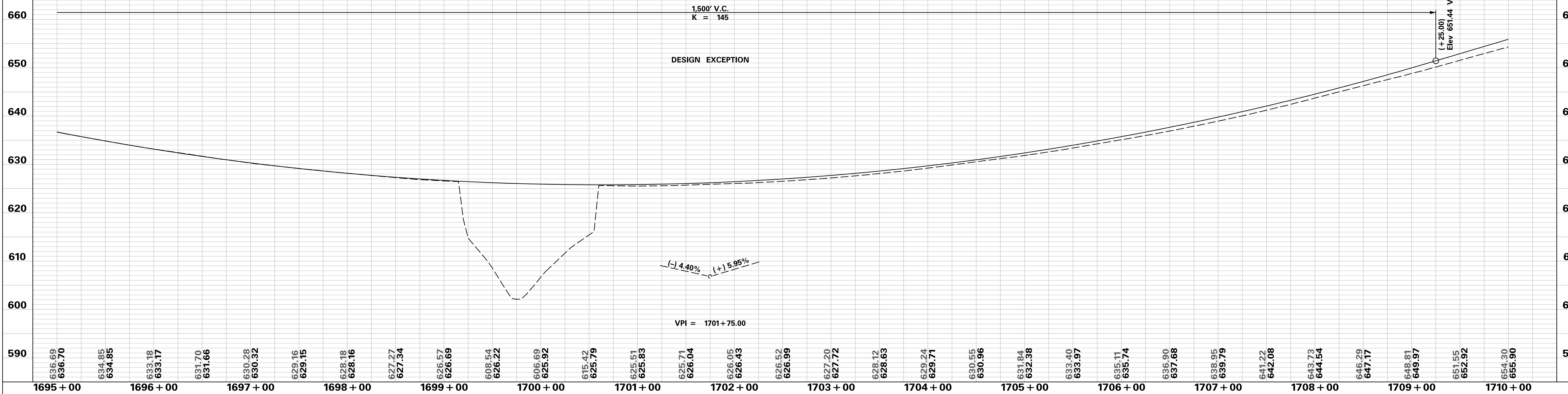
PLAN SHEET

INTERSTATE 85
STA. 1695 + 00 - STA. 1710 + 00

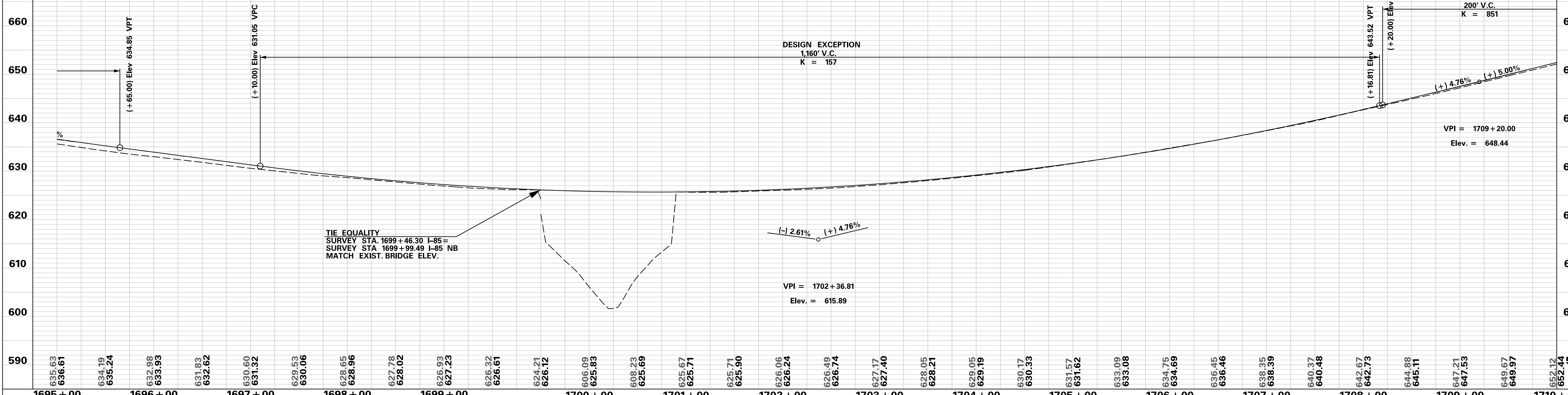
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 10/24/2017

INTERSTATE 85 SOUTHBOUND



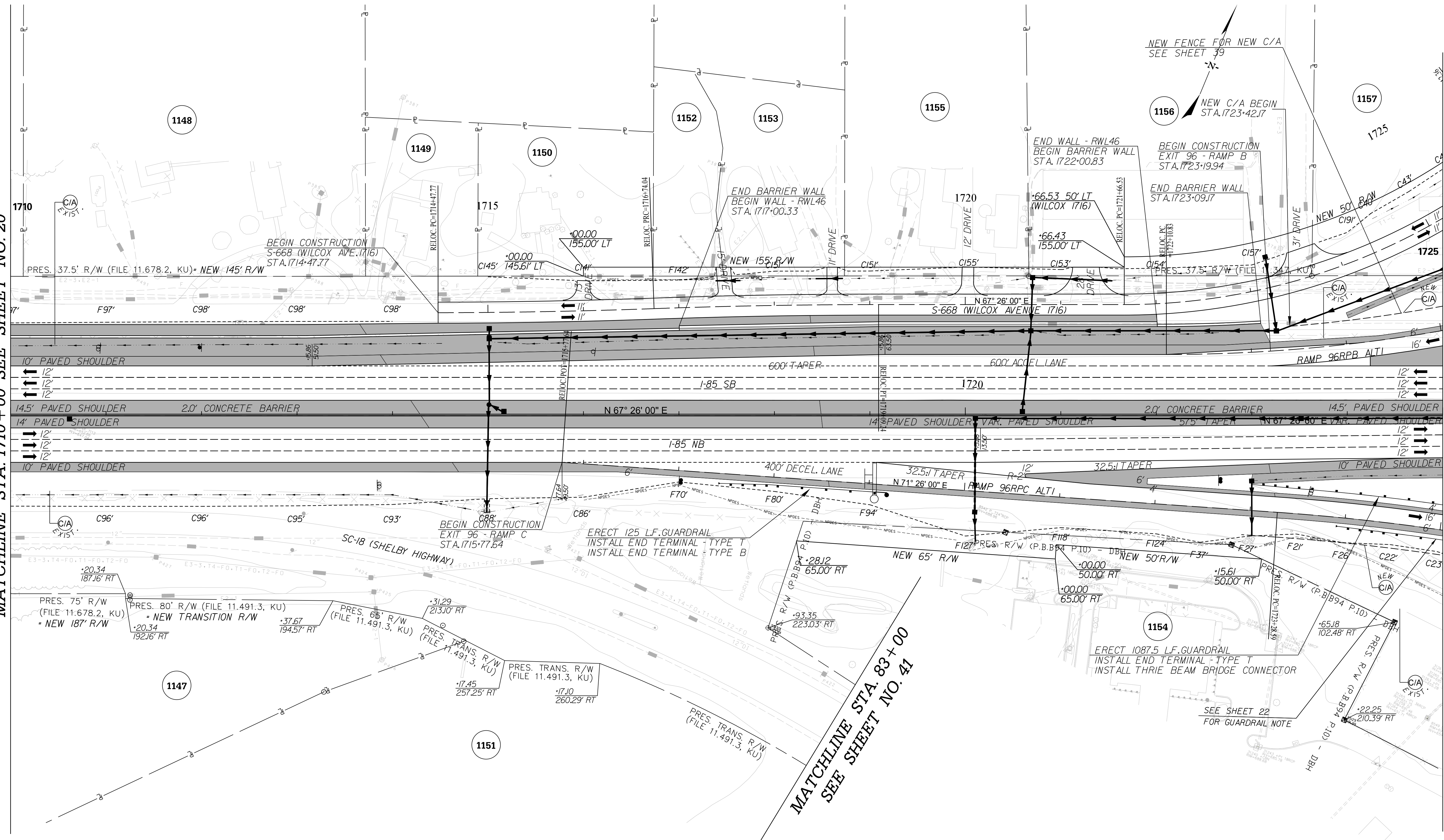
INTERSTATE 85 NORTHBOUND



<div style="color: red; font-weight: bold; font-size: 1.2em;">PRELIMINARY NOT FOR CONSTRUCTION</div>	7				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85 PROFILE SHEET INTERSTATE 85 WIDENING
	6				
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SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

MATCHLINE STA. 1710+00 SEE SHEET NO. 20

MATCHLINE STA. 1725+00 SEE SHEET NO. 22

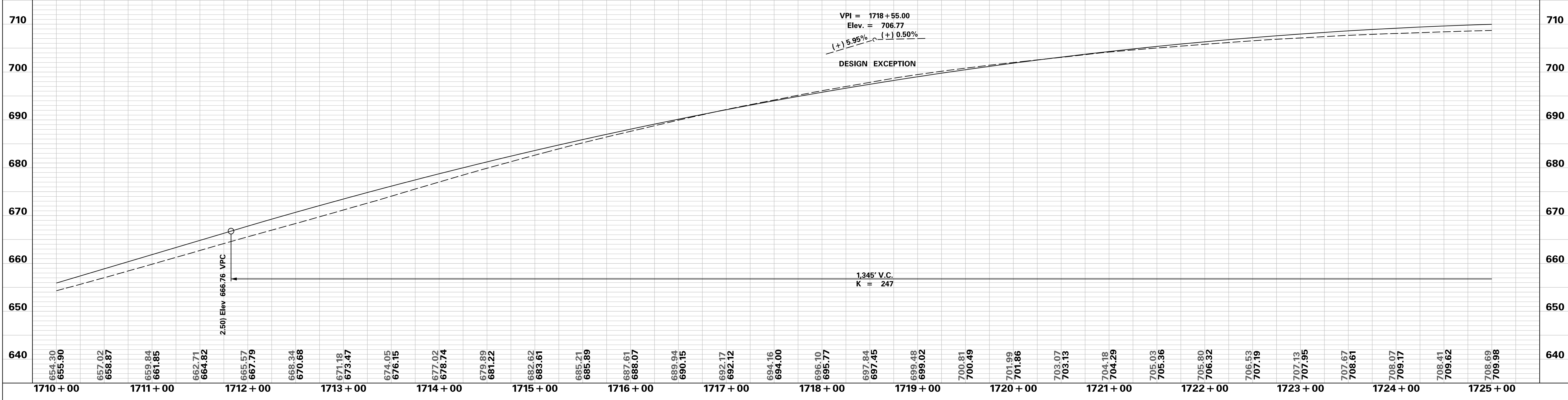


MATCHLINE STA. 83+00
SEE SHEET NO. 41

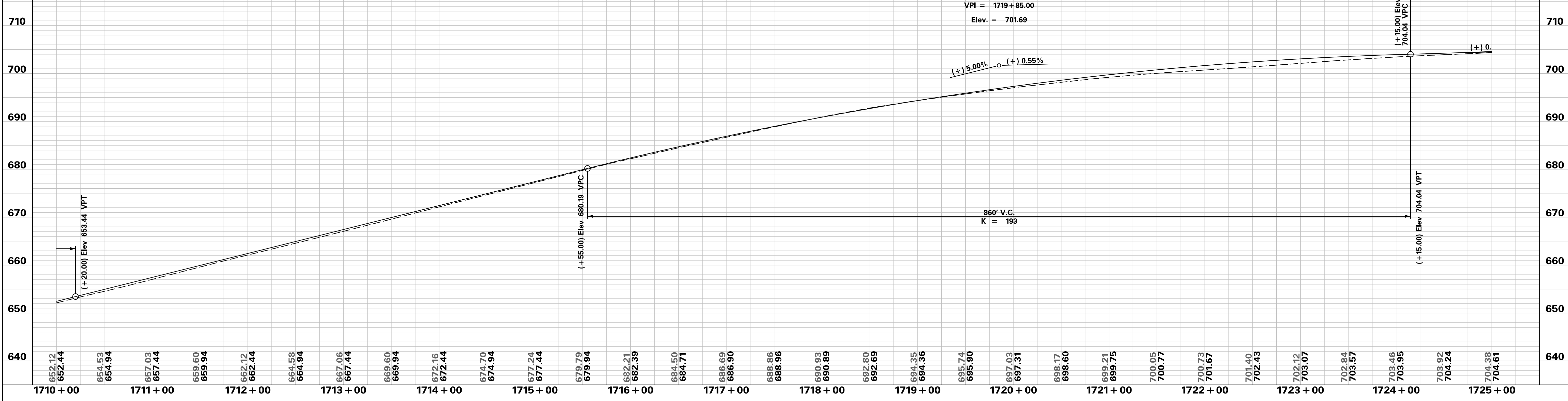
<p style="color: red; font-weight: bold; font-size: 1.2em;">PRELIMINARY NOT FOR CONSTRUCTION</p>	7					SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85 PLAN SHEET INTERSTATE 85 STA. 1710+00 - STA. 1725+00
	6					
	5					
	4					
	3					
	2					
	1					
SCALE: 1" = 50'	REV. NO.	BY	DATE	DESCRIPTION OF REVISION		

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INTERSTATE 85 SOUTHBOUND

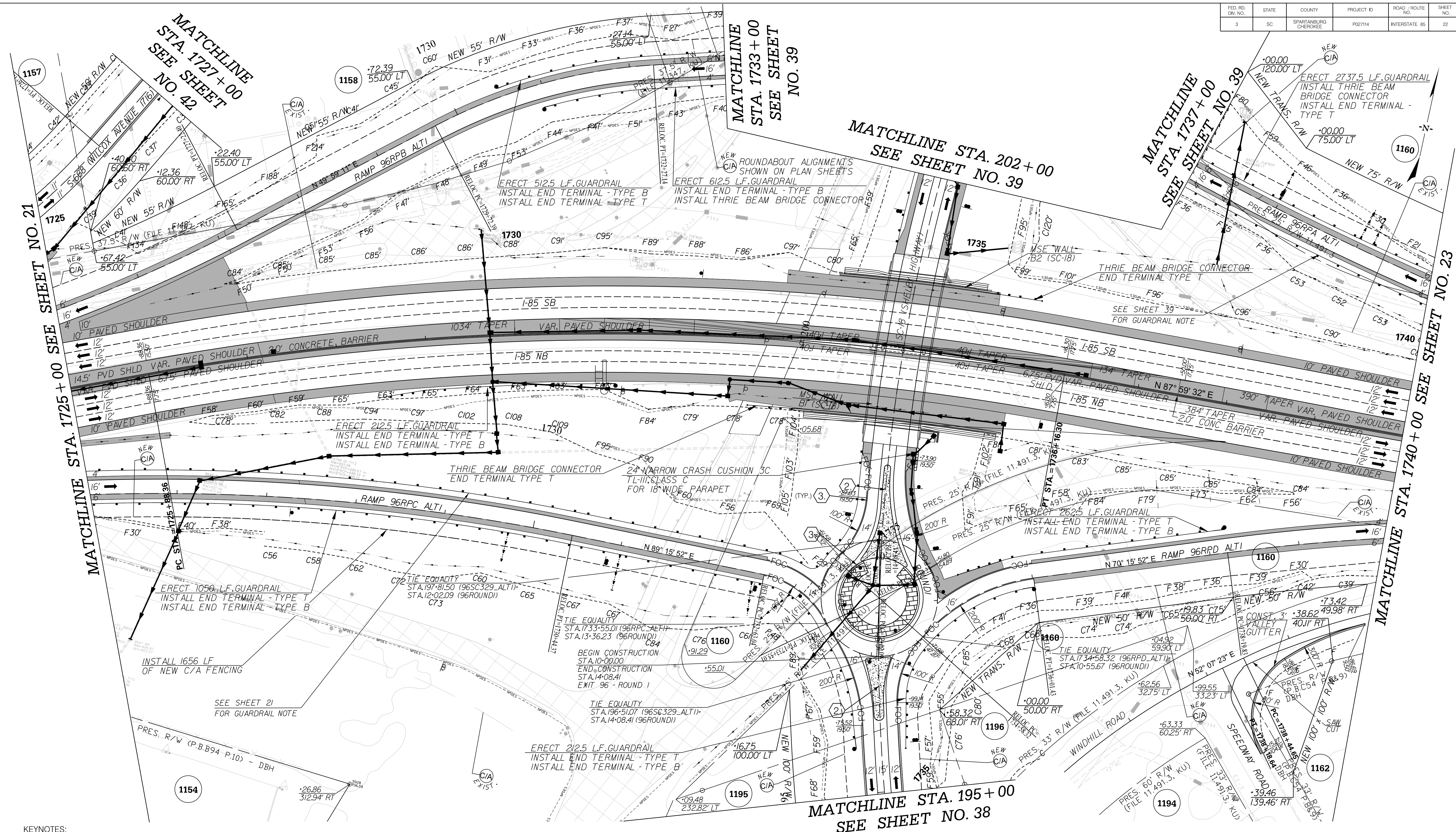


INTERSTATE 85 NORTHBOUND



PRELIMINARY NOT FOR CONSTRUCTION					7				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85 PROFILE SHEET INTERSTATE 85 WIDENING
					6				
5									
4									
3									
2									
1									
SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)					REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

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KEYNOTES:

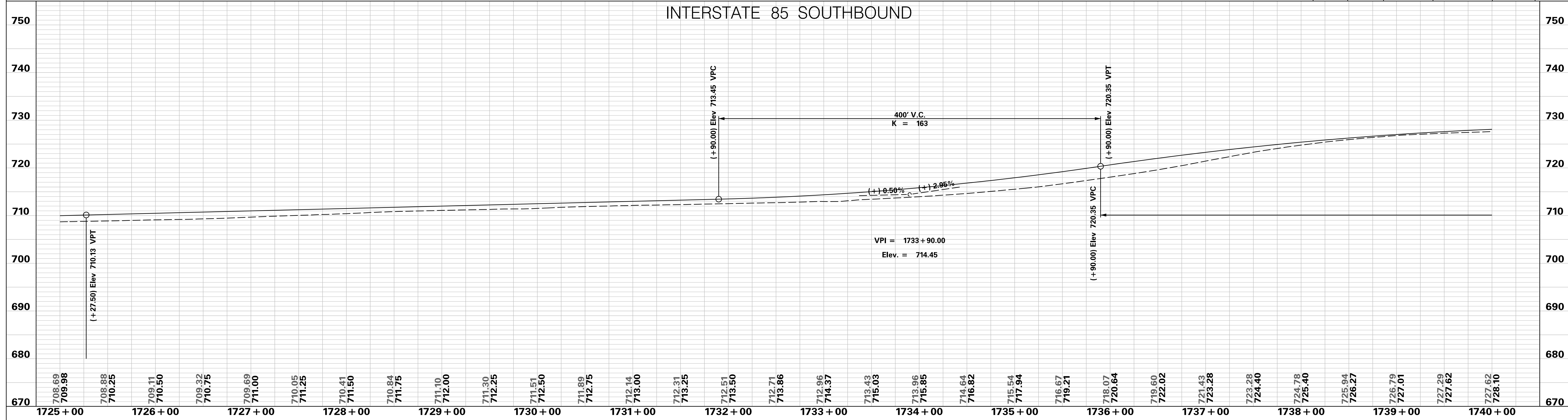
- 1. CONSTRUCT 173' PRESTRESSED CONCRETE BRIDGE ON SC-18 (SHELBY HIGHWAY) STA. 199+08.06 TO STA. 200+81.06 AT EXIT 96 (SEE BRIDGE PLANS).
- 2. CONSTRUCT 4" UNIFORM THICKNESS CONCRETE MONOLITHIC ISLAND.
- 3. CONSTRUCT 2' OGEE CONCRETE CURB AND GUTTER. PAVE BEHIND OGEE CURB AND GUTTER UNDER GUARDRAIL (PAVING UNDER GUARDRAIL NOT SHOWN FOR CLARITY) SEE SCDOT STD DWG. 720-105-01

<p style="color: red; font-weight: bold; font-size: 1.2em;">PRELIMINARY NOT FOR CONSTRUCTION</p>	7				
	6				
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SCALE: 1" = 50'	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

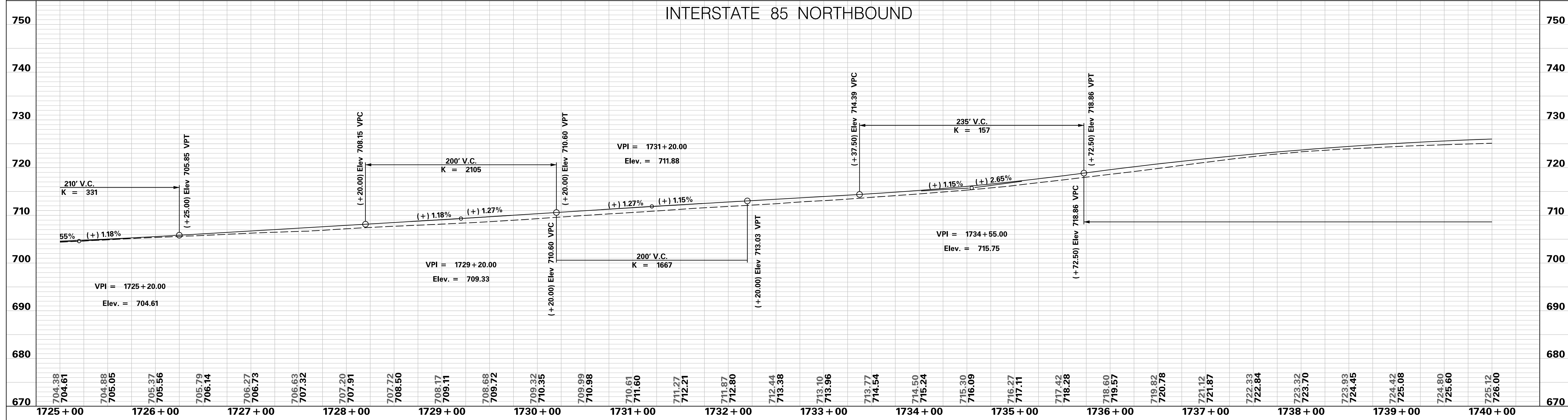
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85	
PLAN SHEET	
INTERSTATE 85 STA. 1725+00 - STA. 1740+00	

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 10/24/2017

INTERSTATE 85 SOUTHBOUND



INTERSTATE 85 NORTHBOUND



PRELIMINARY
NOT FOR CONSTRUCTION

SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)

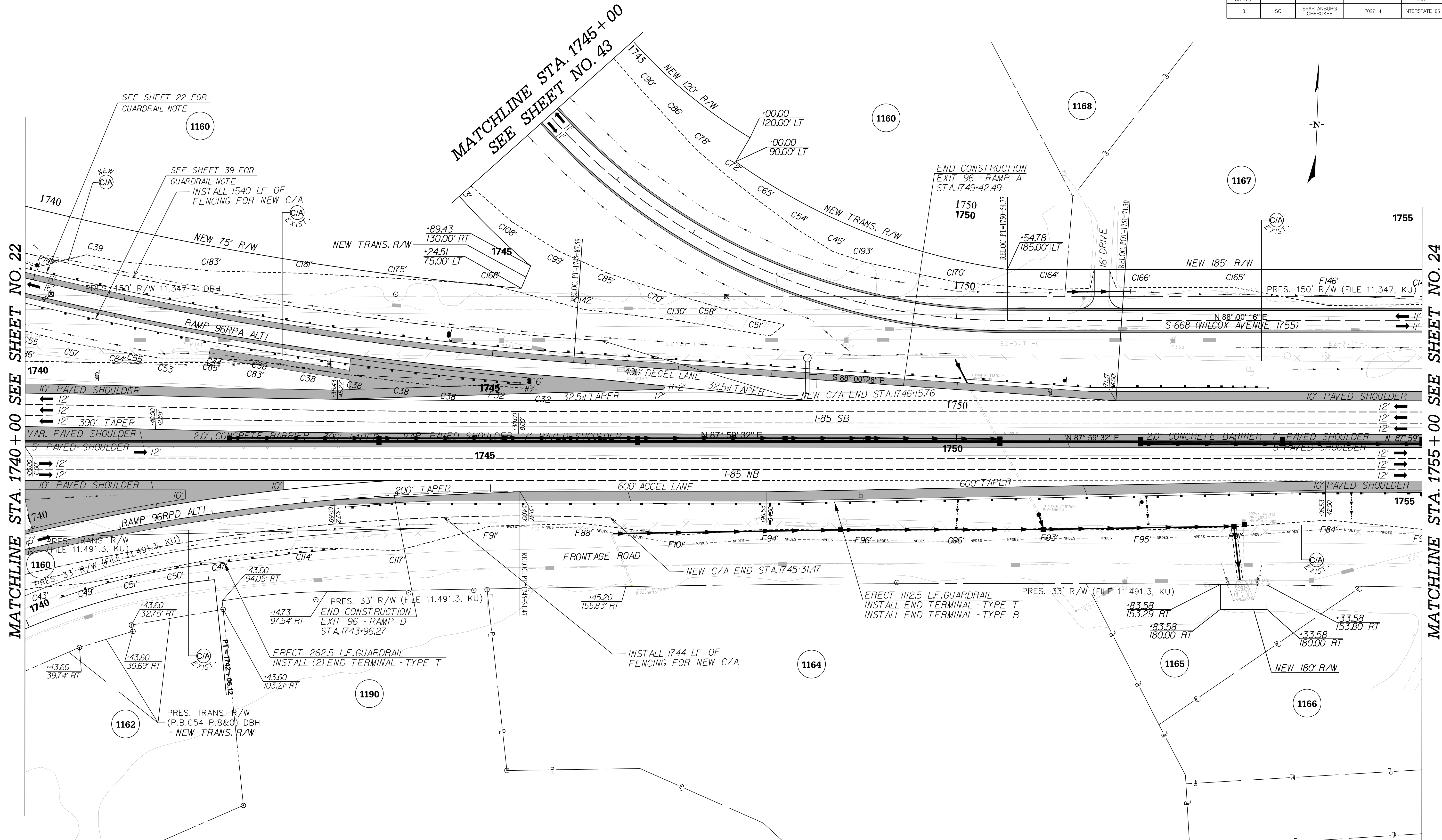
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

PROFILE SHEET

INTERSTATE 85 WIDENING

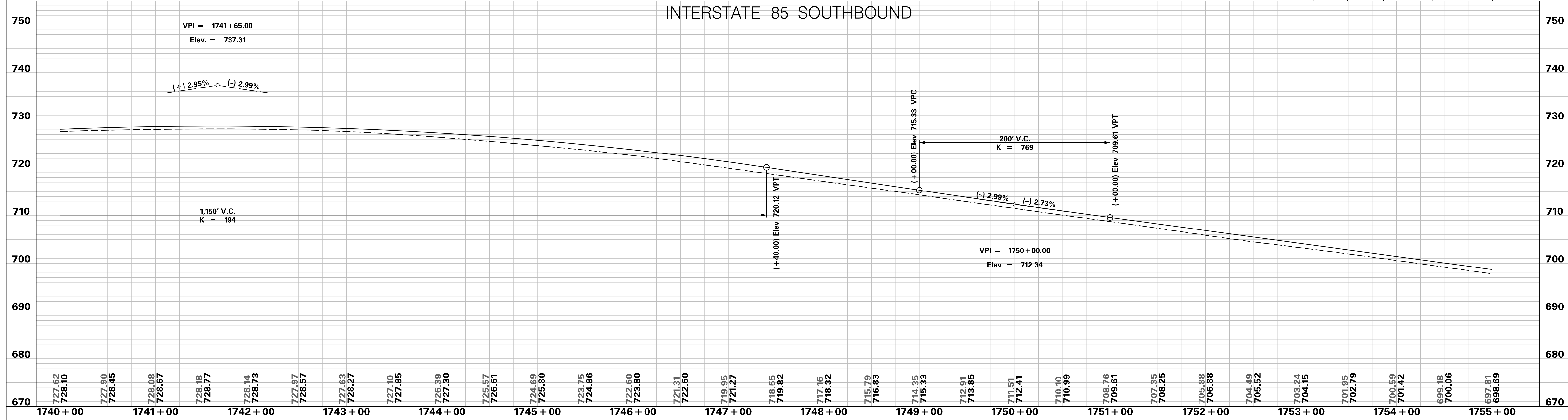
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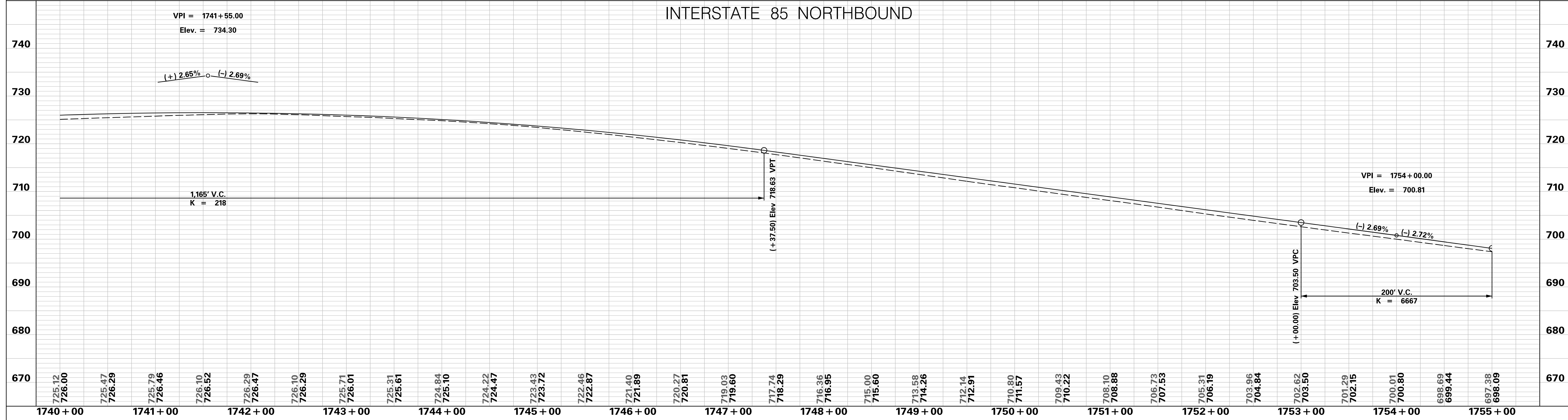
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<p>PRELIMINARY NOT FOR CONSTRUCTION</p>	7				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85 PLAN SHEET INTERSTATE 85 STA. 1740+00 - STA. 1755+00
	6				
	5				
	4				
	3				
	2				
	1				
SCALE: 1" = 50'	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

INTERSTATE 85 SOUTHBOUND



INTERSTATE 85 NORTHBOUND



PRELIMINARY
NOT FOR CONSTRUCTION

SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
7			
6			
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SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

PROFILE SHEET

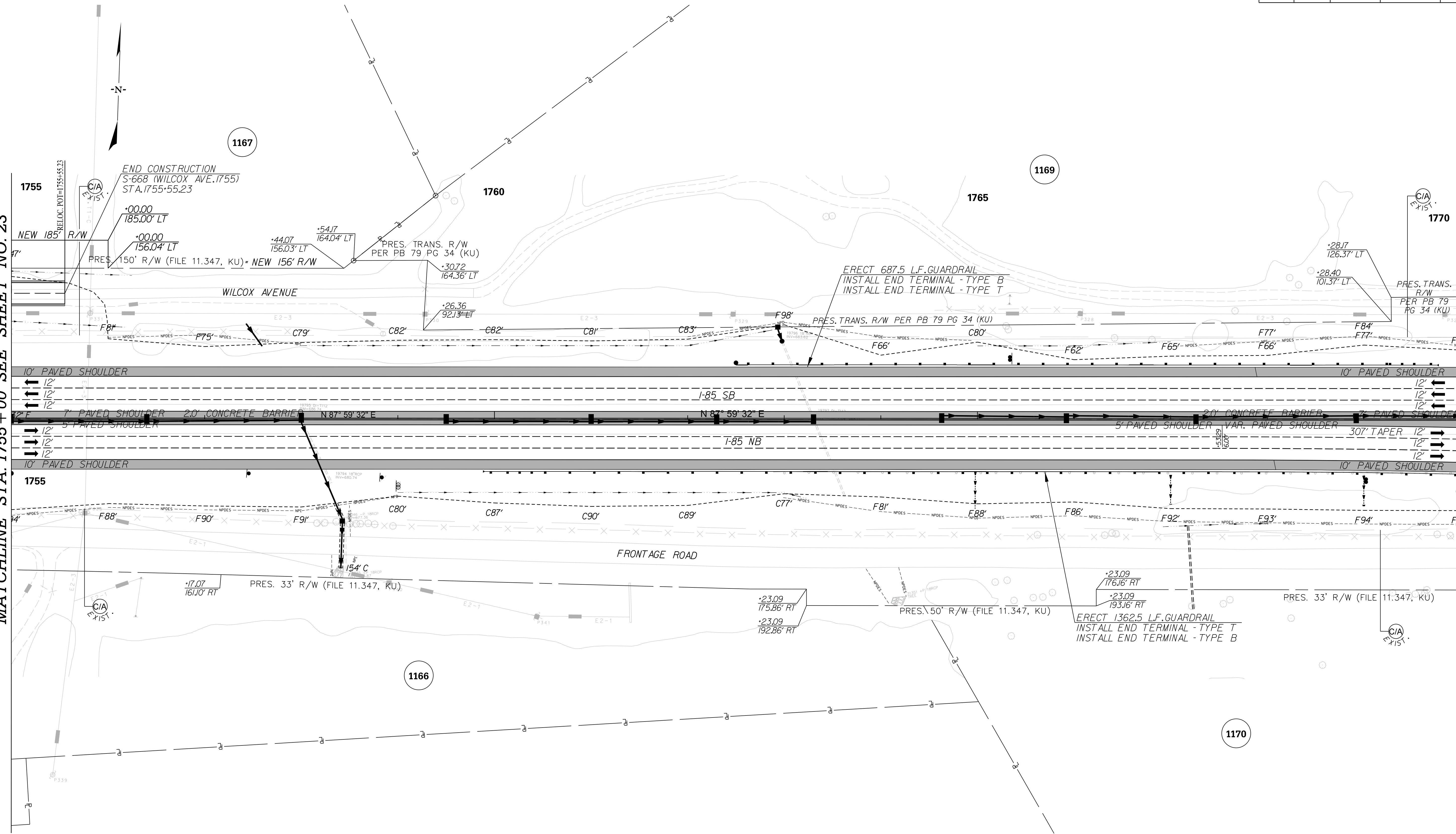
INTERSTATE 85 WIDENING

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FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	SPARTANBURG CHEROKEE	P027114	INTERSTATE 85	24

MATCHLINE STA. 1755 + 00 SEE SHEET NO. 23

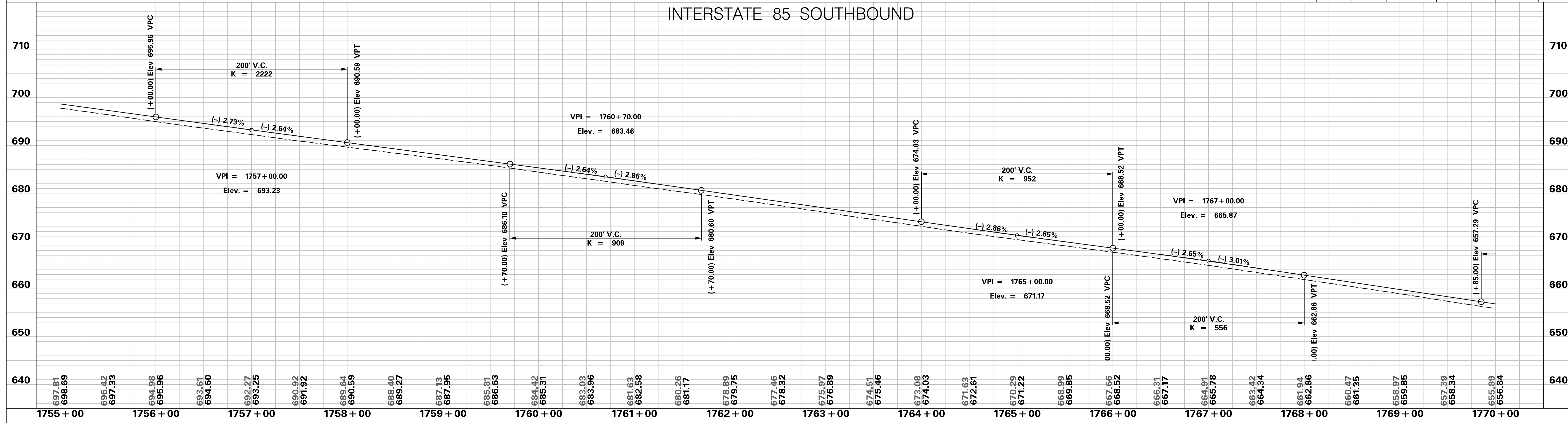
MATCHLINE STA. 1770 + 00 SEE SHEET NO. 25



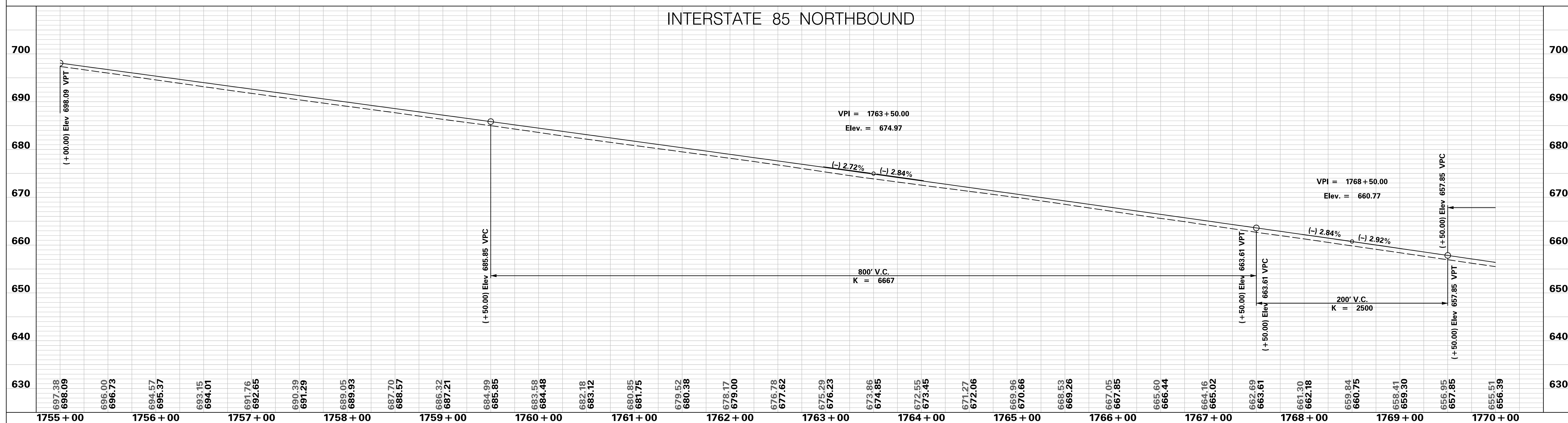
PRELIMINARY NOT FOR CONSTRUCTION	7				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85 PLAN SHEET INTERSTATE 85 STA. 1755+00 - STA. 1770+00
	6				
	5				
	4				
	3				
	1				
	SCALE: 1" = 50'	REV. NO.	BY	DATE	DESCRIPTION OF REVISION

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INTERSTATE 85 SOUTHBOUND



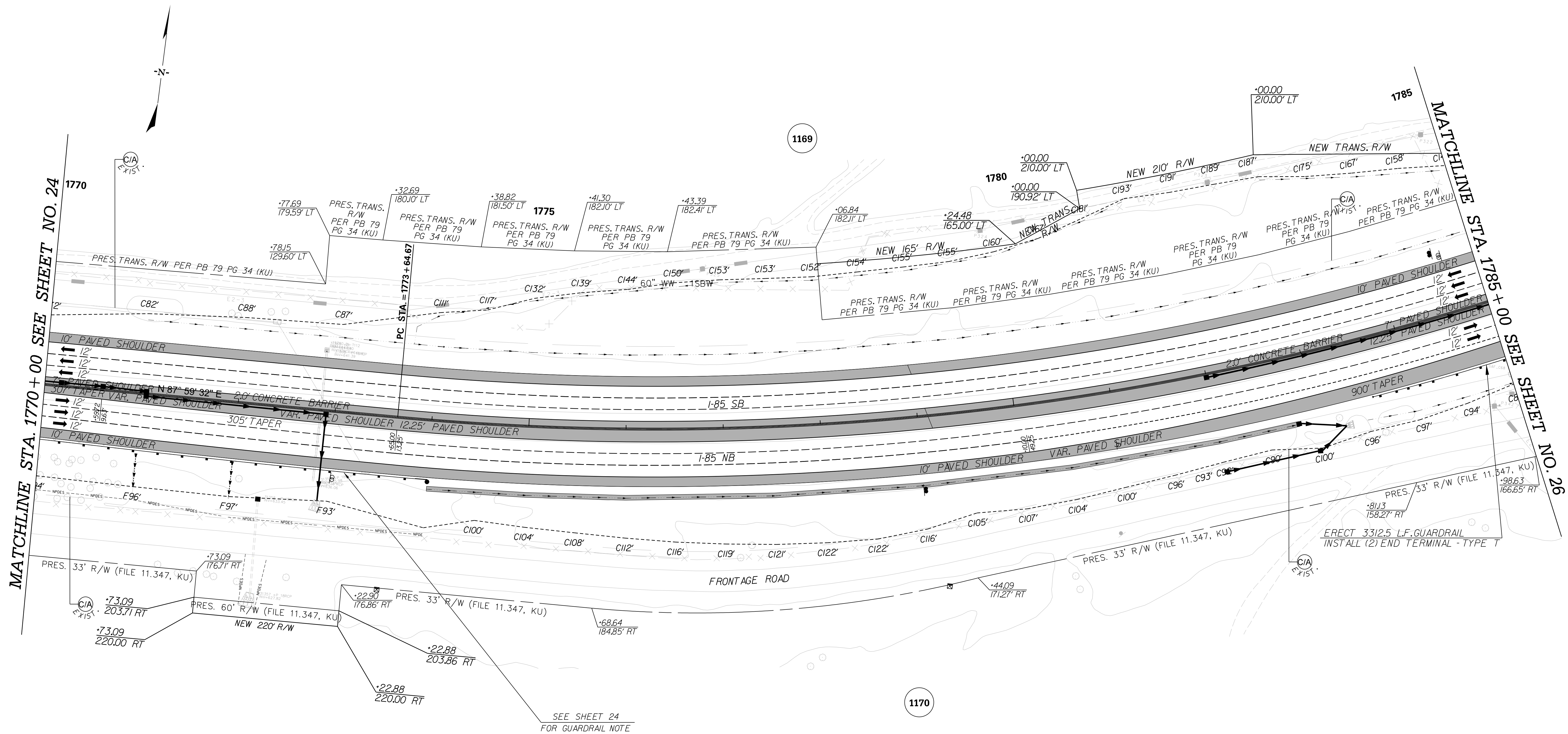
INTERSTATE 85 NORTHBOUND



<p style="color: red; font-size: 24px; margin: 0;">PRELIMINARY NOT FOR CONSTRUCTION</p>	7				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85 PROFILE SHEET INTERSTATE 85 WIDENING
	6				
	5				
	4				
	3				
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	1				
SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

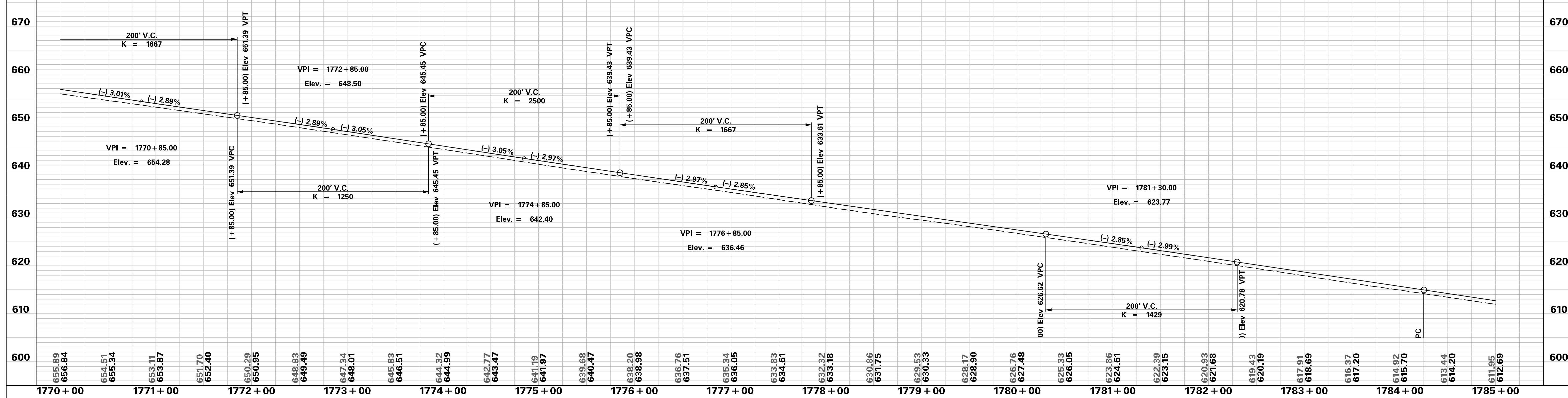
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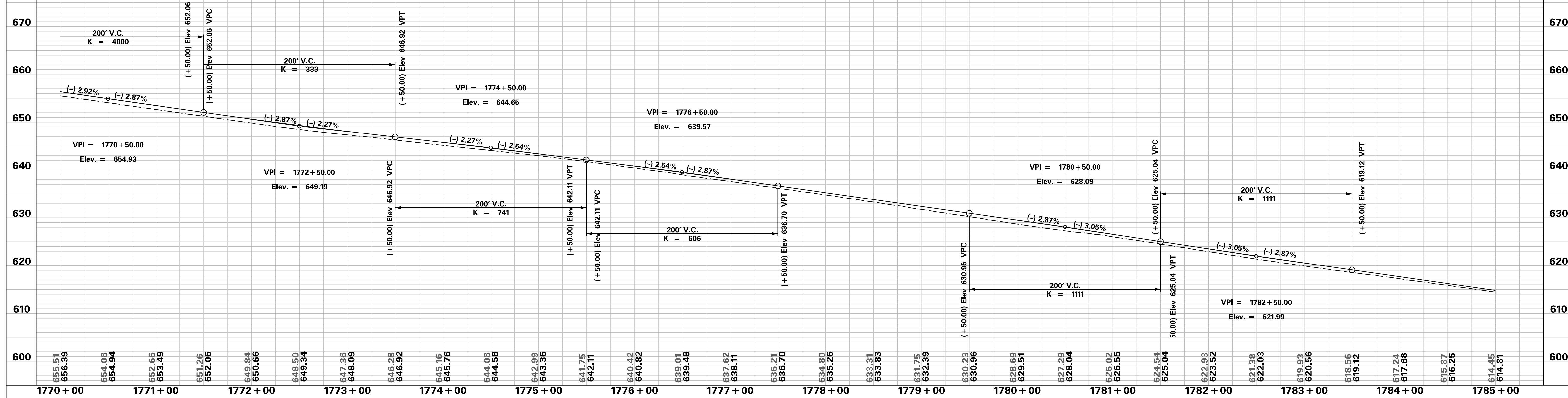


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	6				
	5				
	4				
	3				
	2				
	1				
SCALE: 1" = 50'	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

INTERSTATE 85 SOUTHBOUND

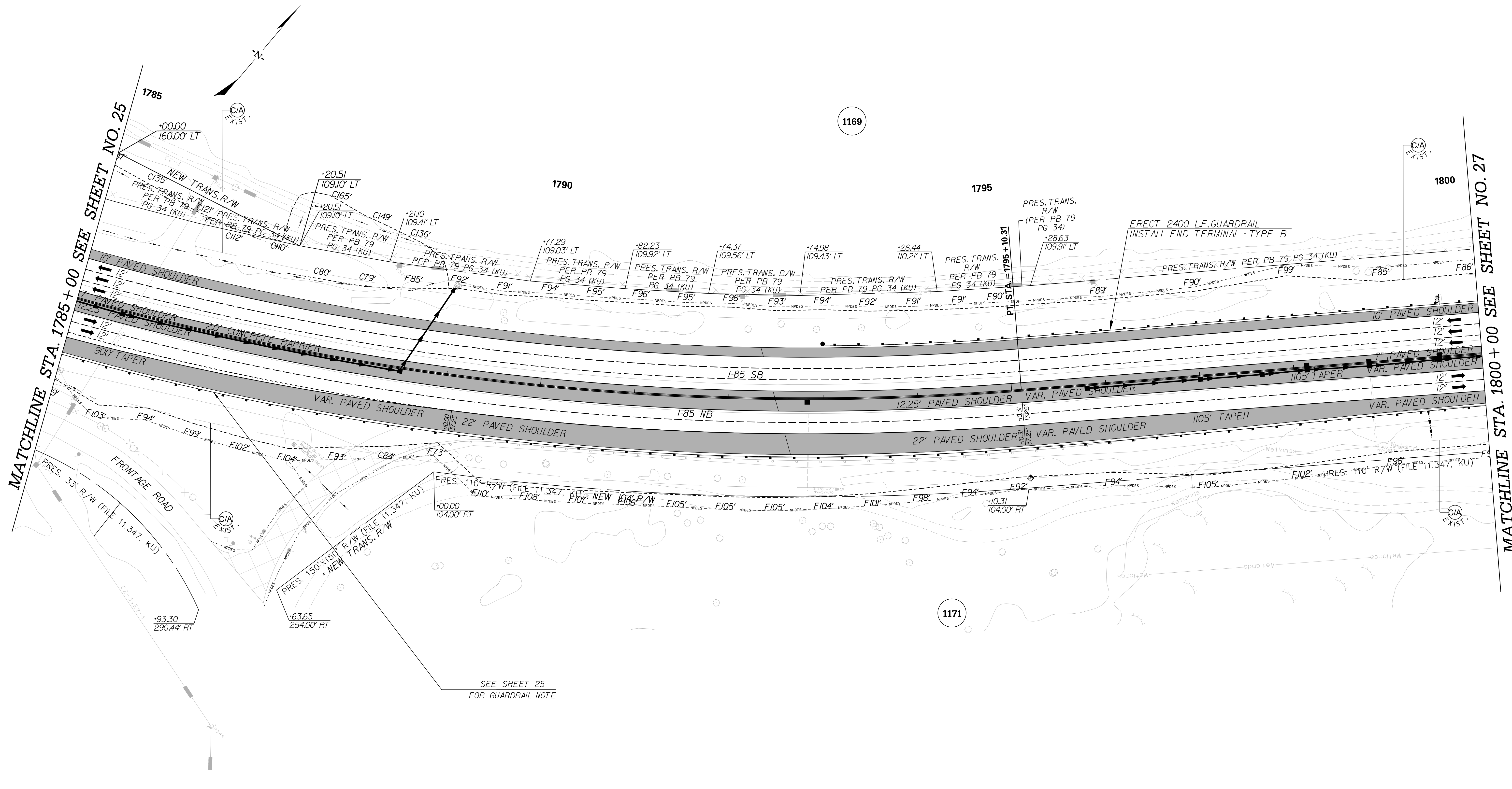


INTERSTATE 85 NORTHBOUND



<p>PRELIMINARY NOT FOR CONSTRUCTION</p>	7				<p>SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85</p> <p>PROFILE SHEET</p> <p>INTERSTATE 85 WIDENING</p>
	6				
	5				
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SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

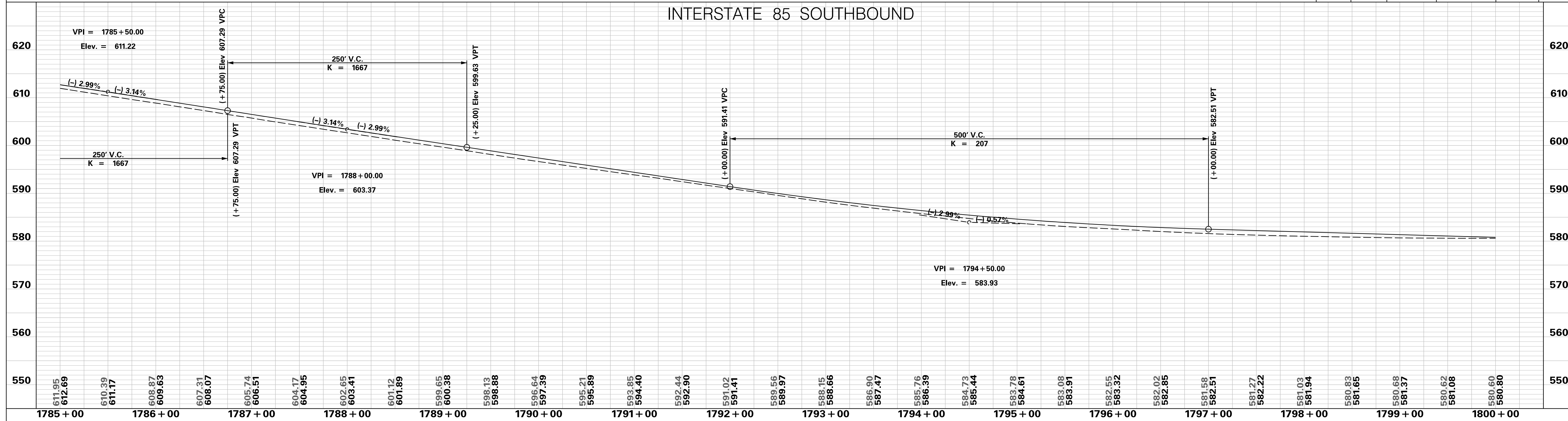
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 10/24/2017



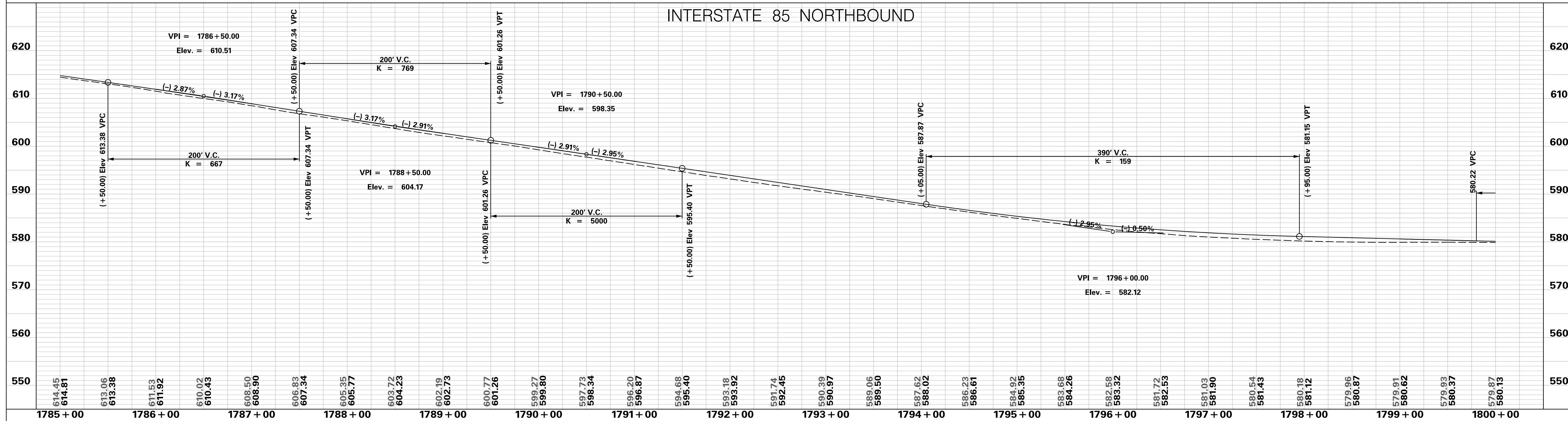
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	6				
	5				
	4				
	3				
	2				
	1				
SCALE: 1" = 50'	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

INTERSTATE 85 SOUTHBOUND



INTERSTATE 85 NORTHBOUND

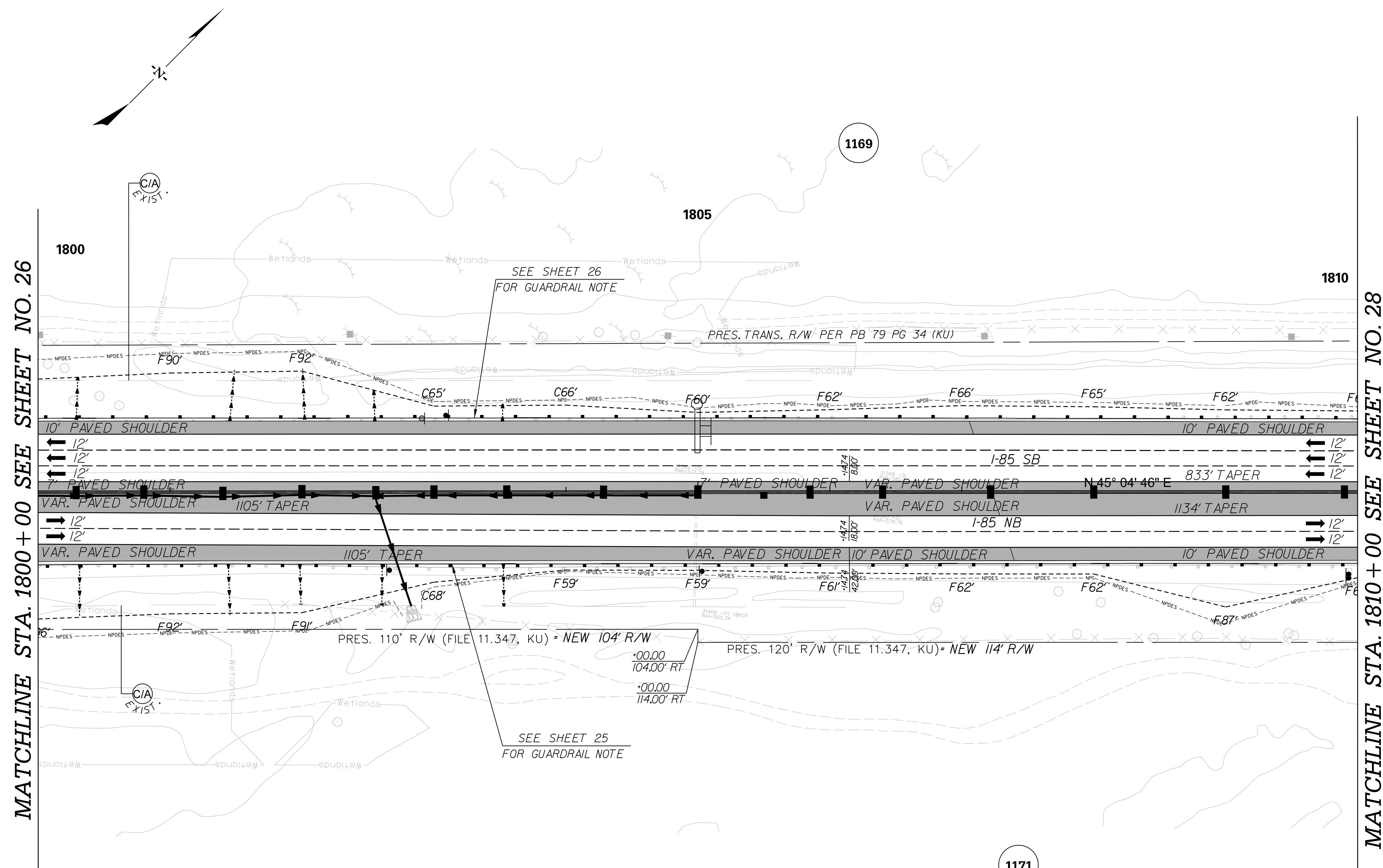


<p style="color: red; font-size: 24px; margin: 0;">PRELIMINARY NOT FOR CONSTRUCTION</p>	7				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85 PROFILE SHEET INTERSTATE 85 WIDENING
	6				
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SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

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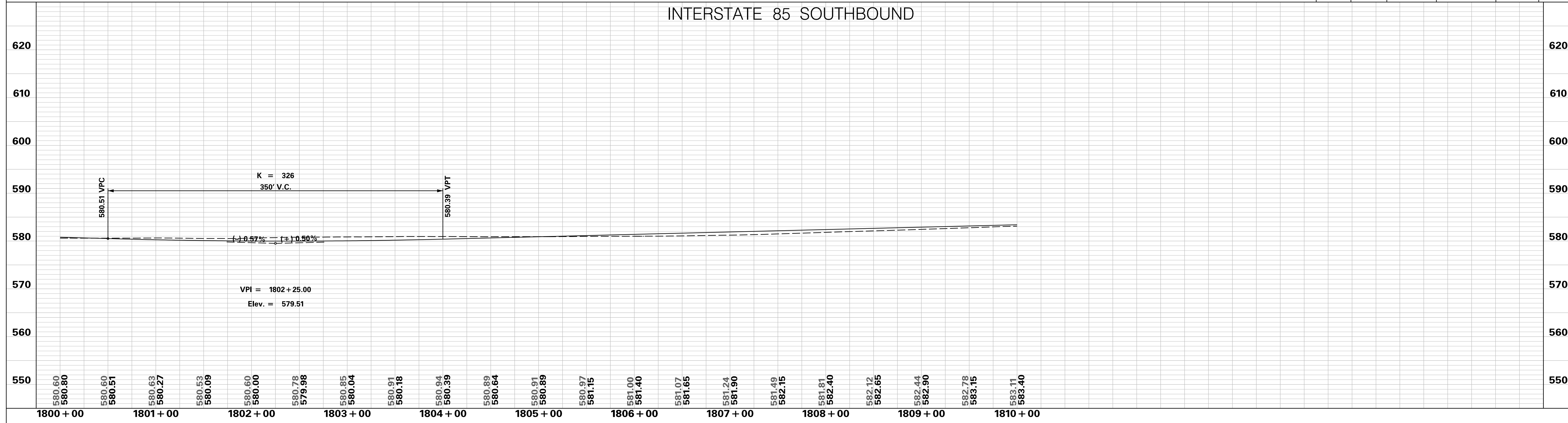
FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	SPARTANBURG CHEROKEE	P027114	INTERSTATE 85	27

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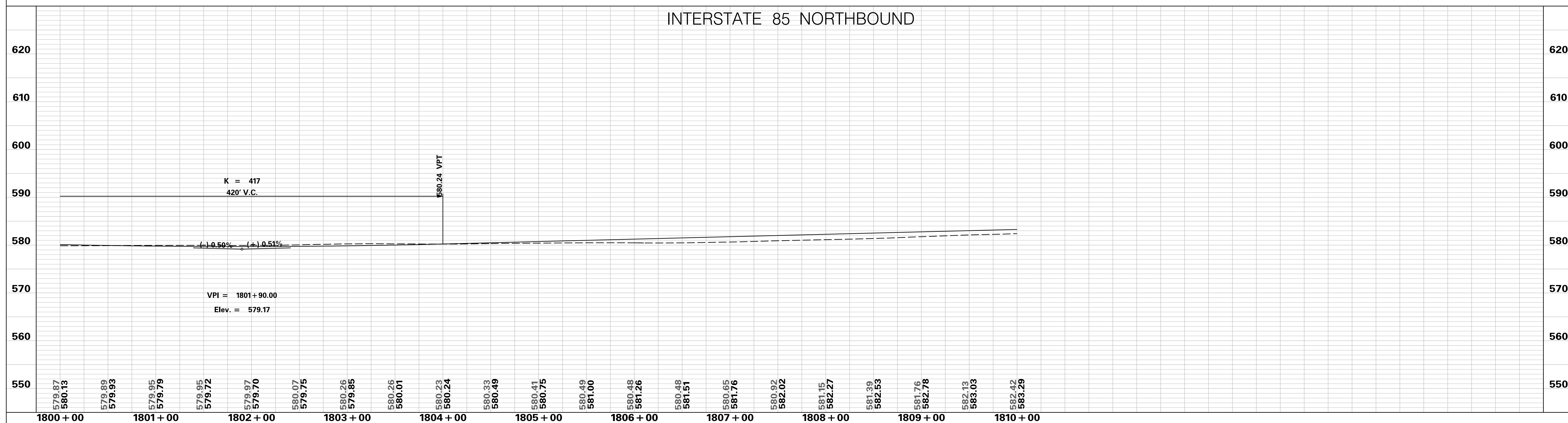


PRELIMINARY NOT FOR CONSTRUCTION	7				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85 PLAN SHEET INTERSTATE 85 STA. 1800+00 - STA. 1810+00.00
	6				
	5				
	4				
	3				
	2				
	1				
SCALE: 1" = 50'	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

INTERSTATE 85 SOUTHBOUND



INTERSTATE 85 NORTHBOUND

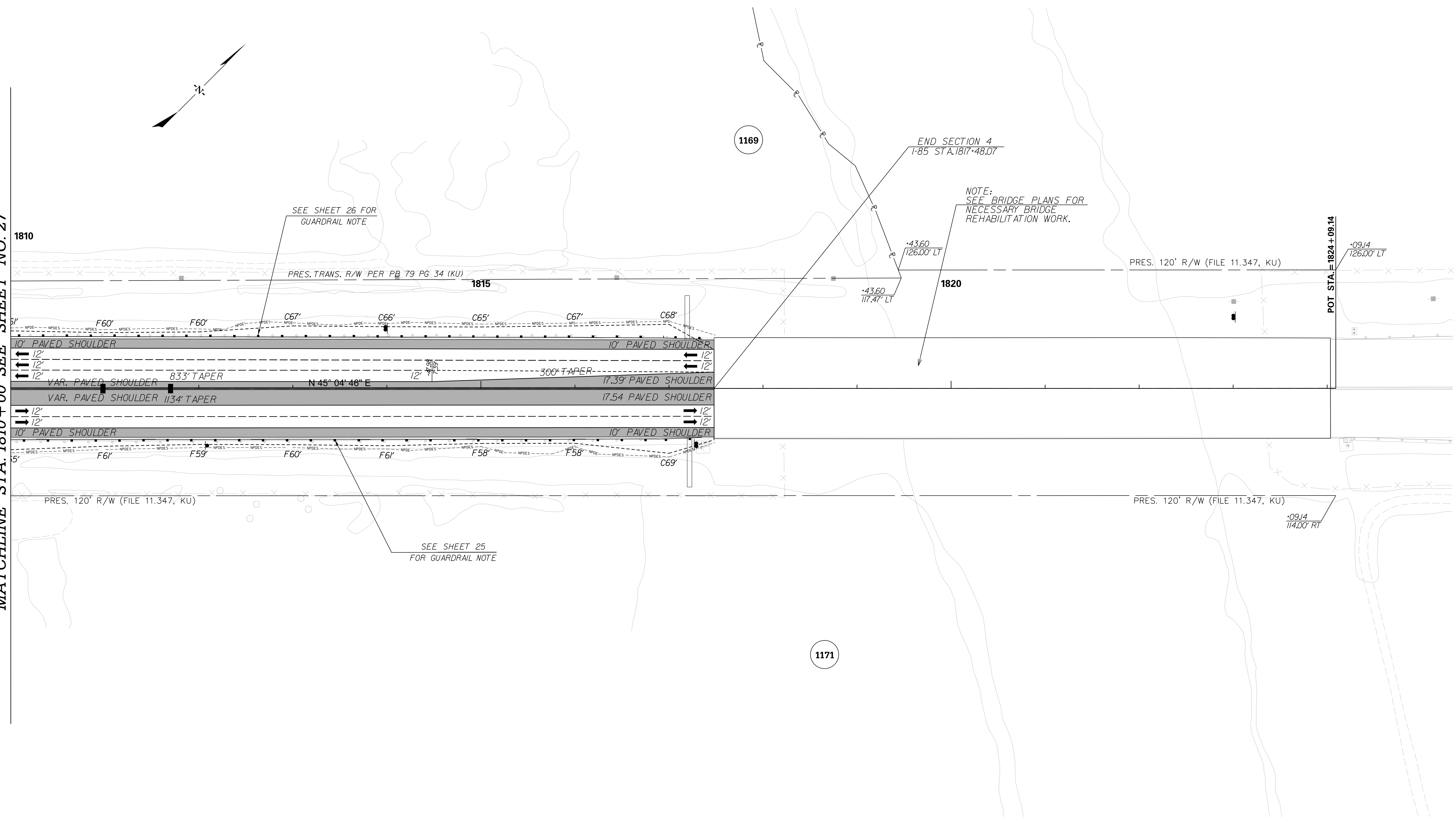


PRELIMINARY NOT FOR CONSTRUCTION	7				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85 PROFILE SHEET INTERSTATE 85 WIDENING
	6				
	5				
	4				
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SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

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FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	SPARTANBURG CHEROKEE	P027114	INTERSTATE 85	28

MATCHLINE STA. 1810 + 00 SEE SHEET NO. 27

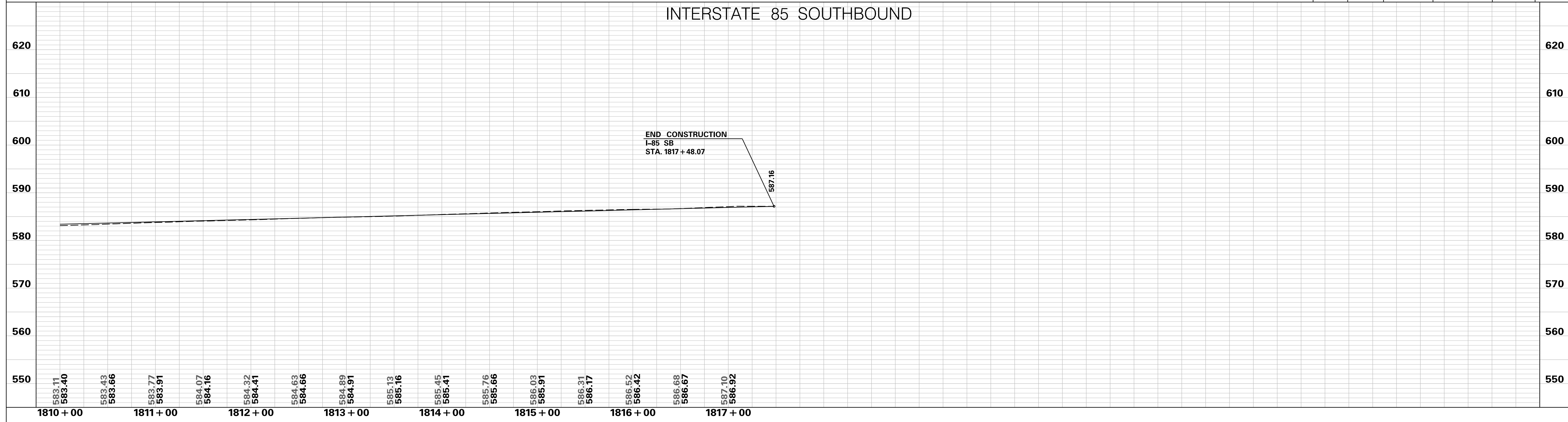


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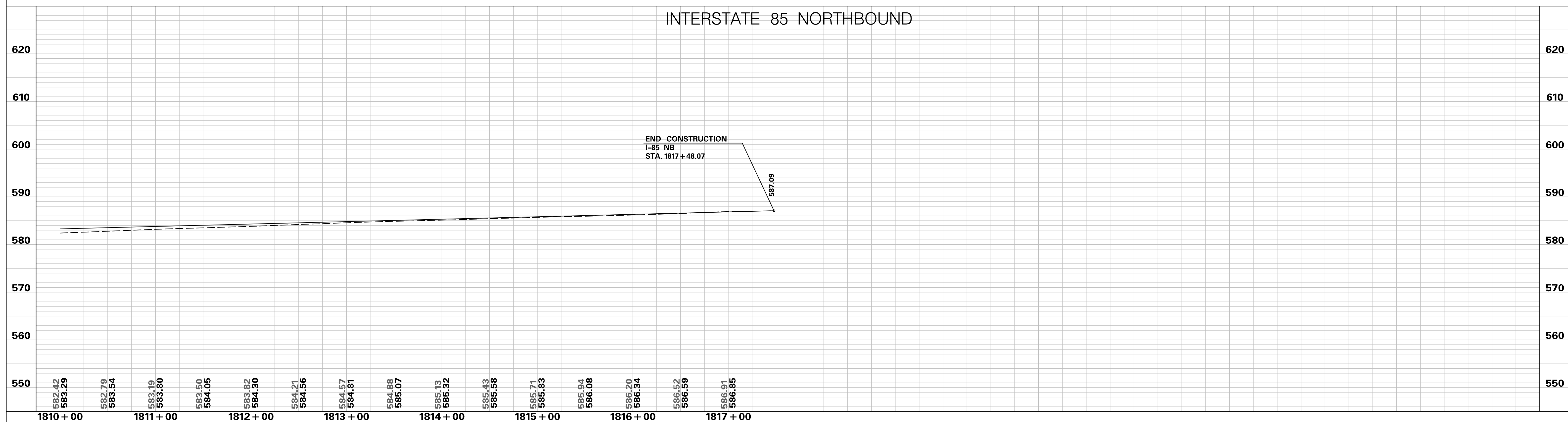
<p>PRELIMINARY NOT FOR CONSTRUCTION</p>	7				<p>SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85</p> <p>PLAN SHEET</p> <p>INTERSTATE 85 STA. 1810 + 00 - STA. 1817 + 48.07</p>
	6				
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	4				
	3				
	2				
	1				
SCALE: 1" = 50'	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	CHEROKEE	P027114	INTERSTATE 85	28A

INTERSTATE 85 SOUTHBOUND



INTERSTATE 85 NORTHBOUND



**PRELIMINARY
NOT FOR CONSTRUCTION**

SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
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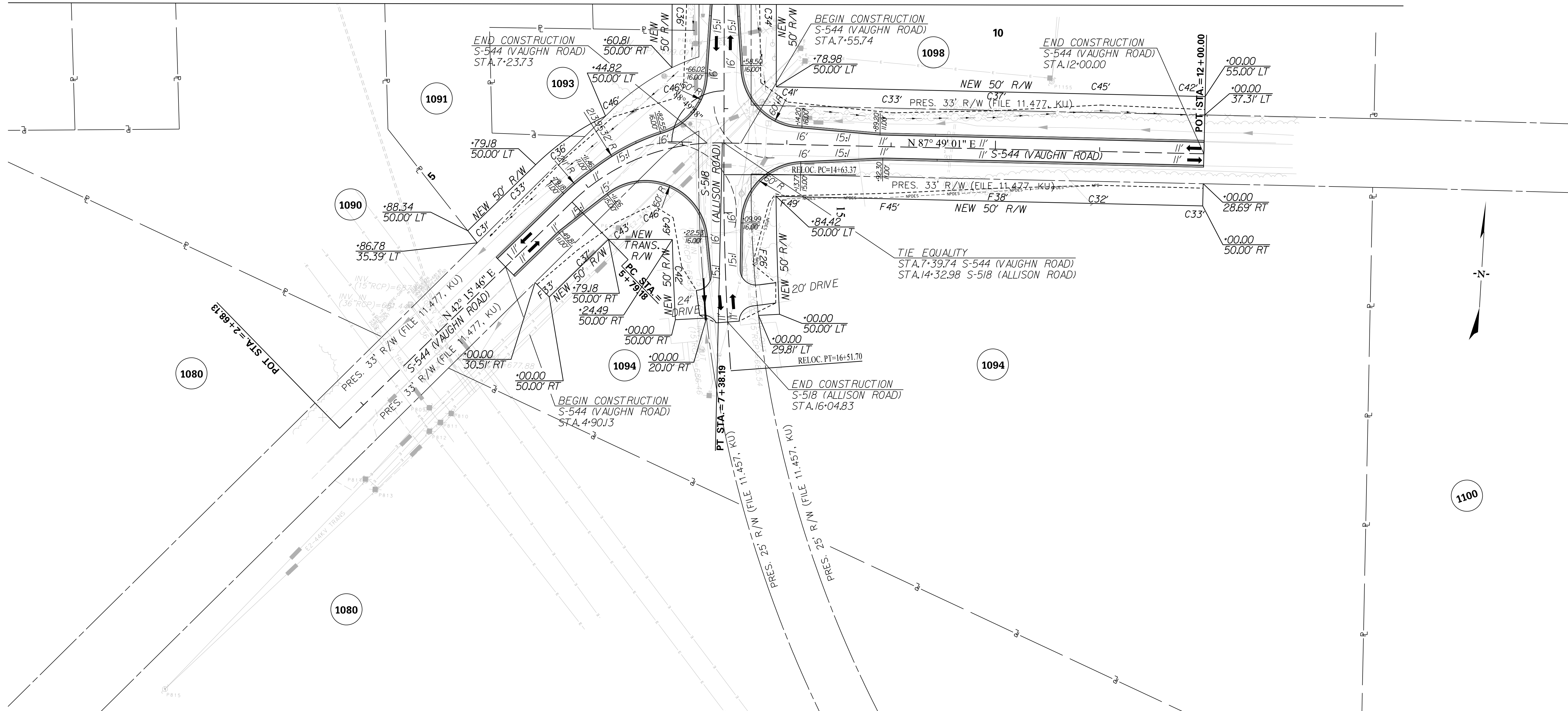
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

PROFILE SHEET

INTERSTATE 85 WIDENING

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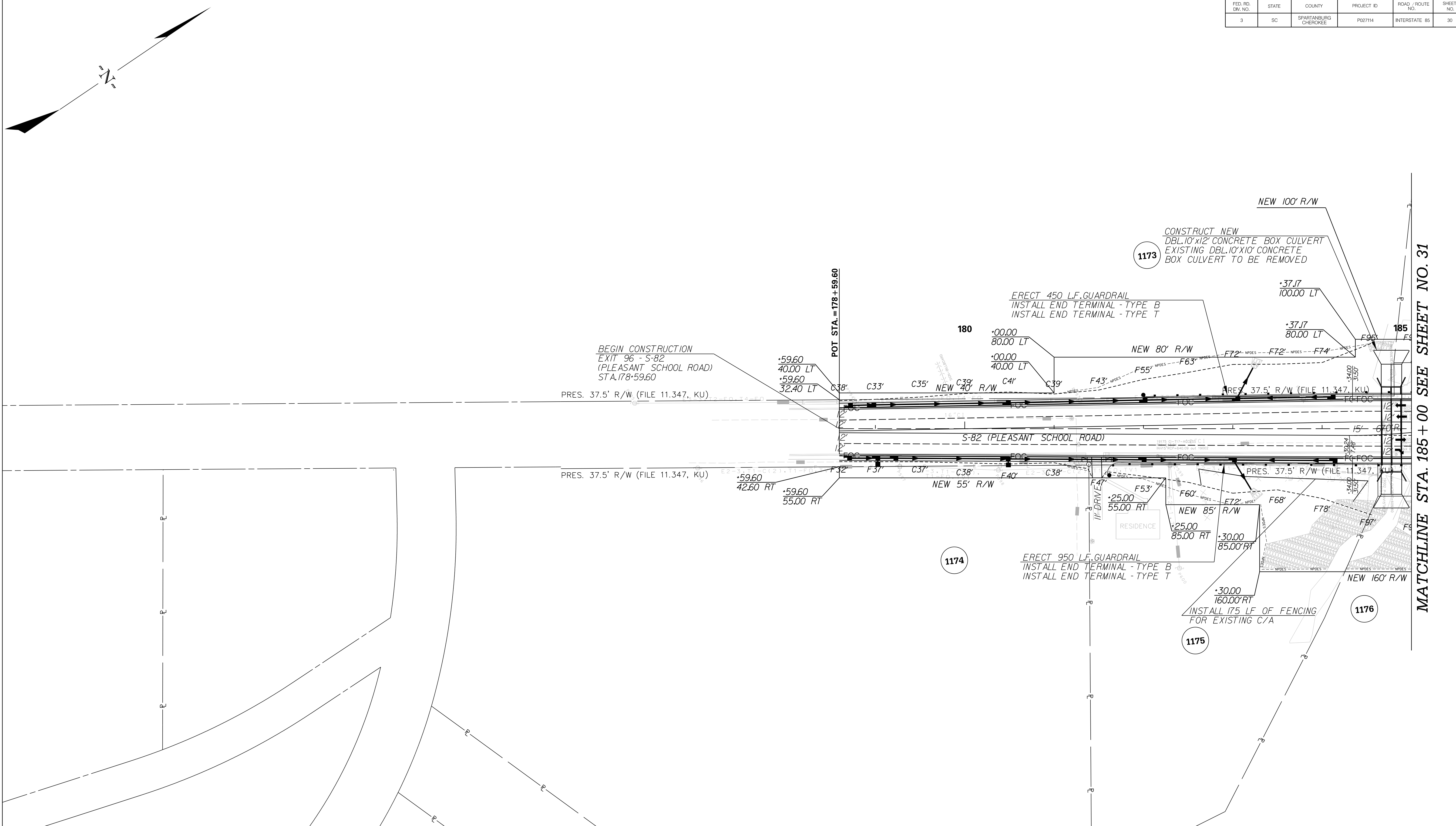
MATCHLINE STA. 13+00 SEE SHEET NO. 14



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<p>PRELIMINARY NOT FOR CONSTRUCTION</p>	7					SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85 PLAN SHEET S-518 (ALLISON DR) STA. 13+00 - STA. 15+88.92
	6					
	5					
	4					
	3					
	2					
	1					
	SCALE: 1" = 50'	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	SPARTANBURG CHEROKEE	P027114	INTERSTATE 85	30



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 10/24/2017

<p style="color: red; font-weight: bold; font-size: 1.2em;">PRELIMINARY NOT FOR CONSTRUCTION</p>	7					SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85 PLAN SHEET S-82 (PLEASANT SCHOOL RD) STA. 178+59.60 - STA. 185+00
	6					
	5					
	4					
	3					
	2					
	1					
SCALE: 1" = 50'	REV. NO.	BY	DATE	DESCRIPTION OF REVISION		

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	SPARTANBURG CHEROKEE	P027114	INTERSTATE 85	31

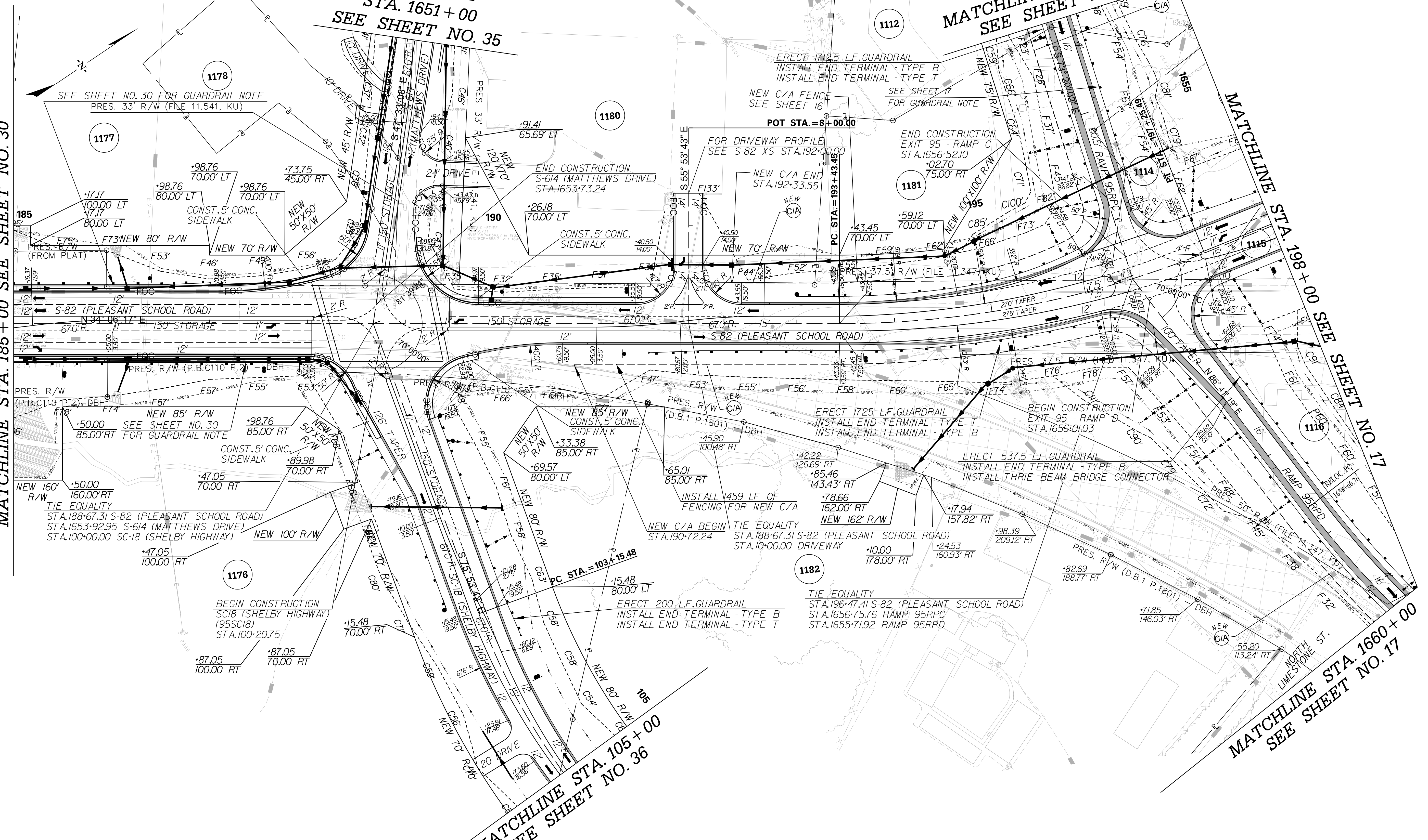
MATCHLINE STA. 185 + 00 SEE SHEET NO. 30

MATCHLINE STA. 1651 + 00
SEE SHEET NO. 35

MATCHLINE STA. 1654 + 00
SEE SHEET NO. 17

MATCHLINE STA. 198 + 00 SEE SHEET NO. 17

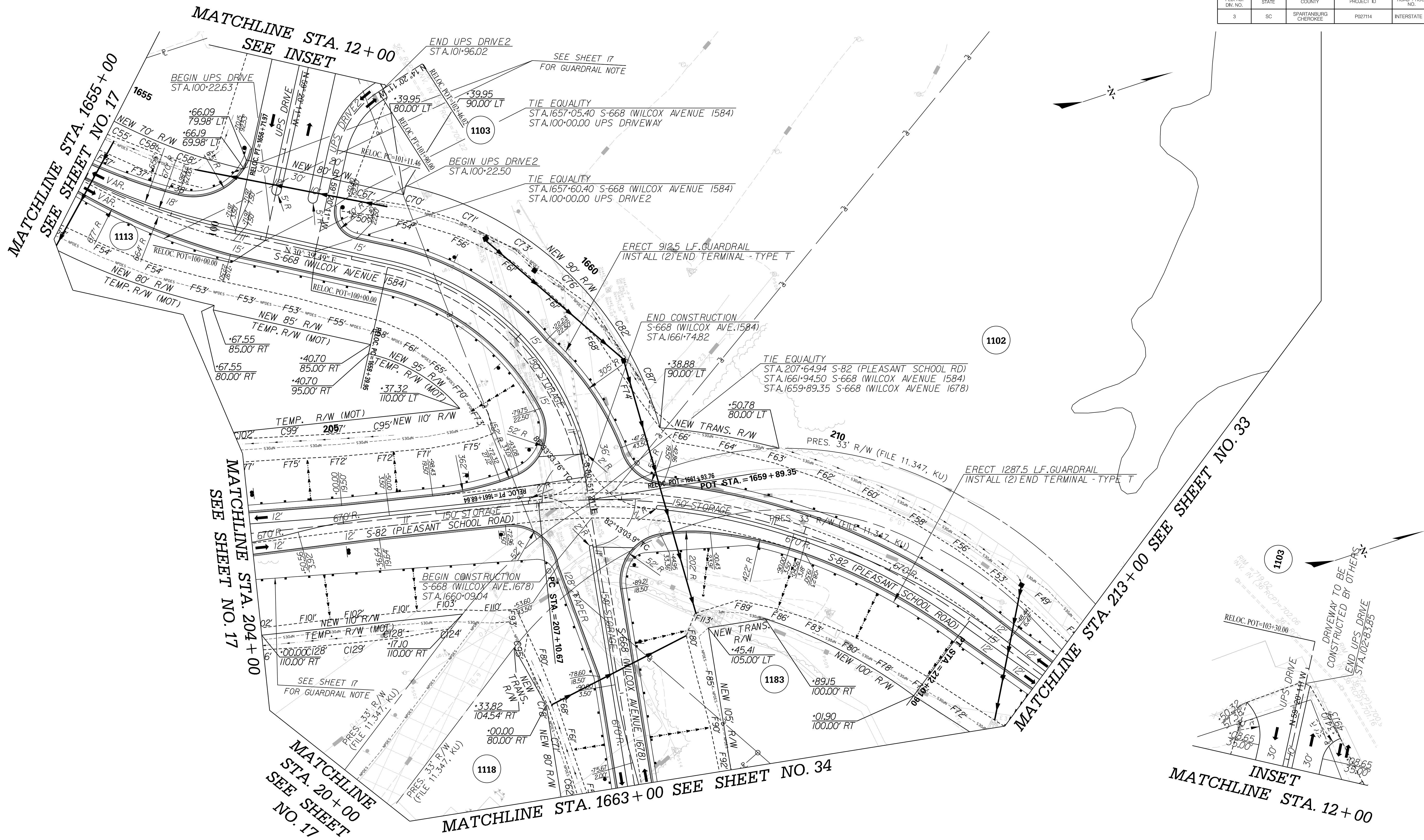
MATCHLINE STA. 105 + 00
SEE SHEET NO. 36



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	5					
	4					
	3					
	2					
	1					
	SCALE: 1" = 50'	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

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FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	SPARTANBURG CHEROKEE	P027114	INTERSTATE 85	32

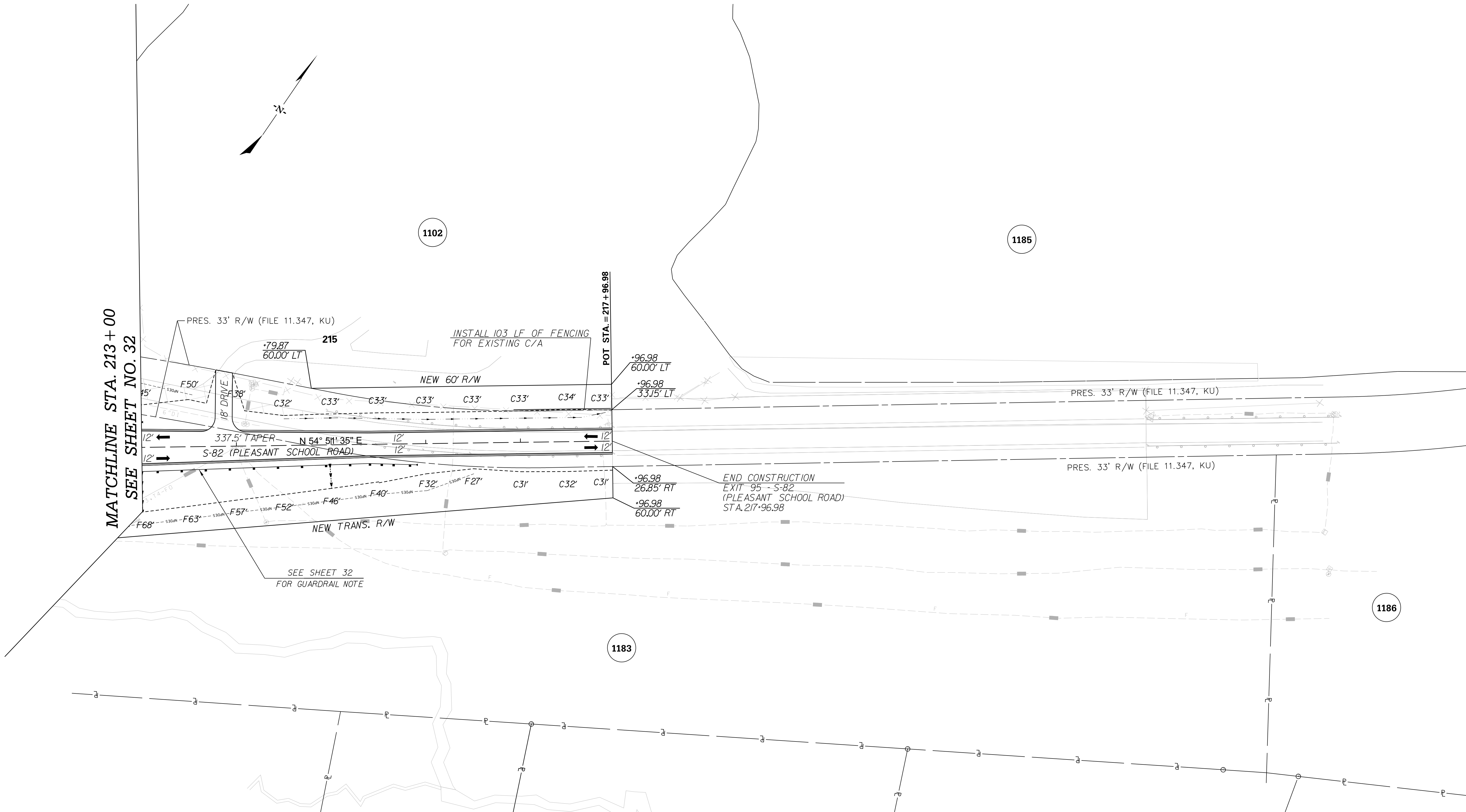


<p>PRELIMINARY NOT FOR CONSTRUCTION</p>	7					<p>SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85</p> <p>PLAN SHEET</p> <p>S-82 (PLEASANT SCHOOL RD) STA. 204+00 - STA. 213+00</p>
	6					
	5					
	4					
	3					
	2					
	1					
SCALE: 1" = 50'	REV. NO.	BY	DATE	DESCRIPTION OF REVISION		

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 10/24/2017

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	SPARTANBURG CHEROKEE	P027114	INTERSTATE 85	33

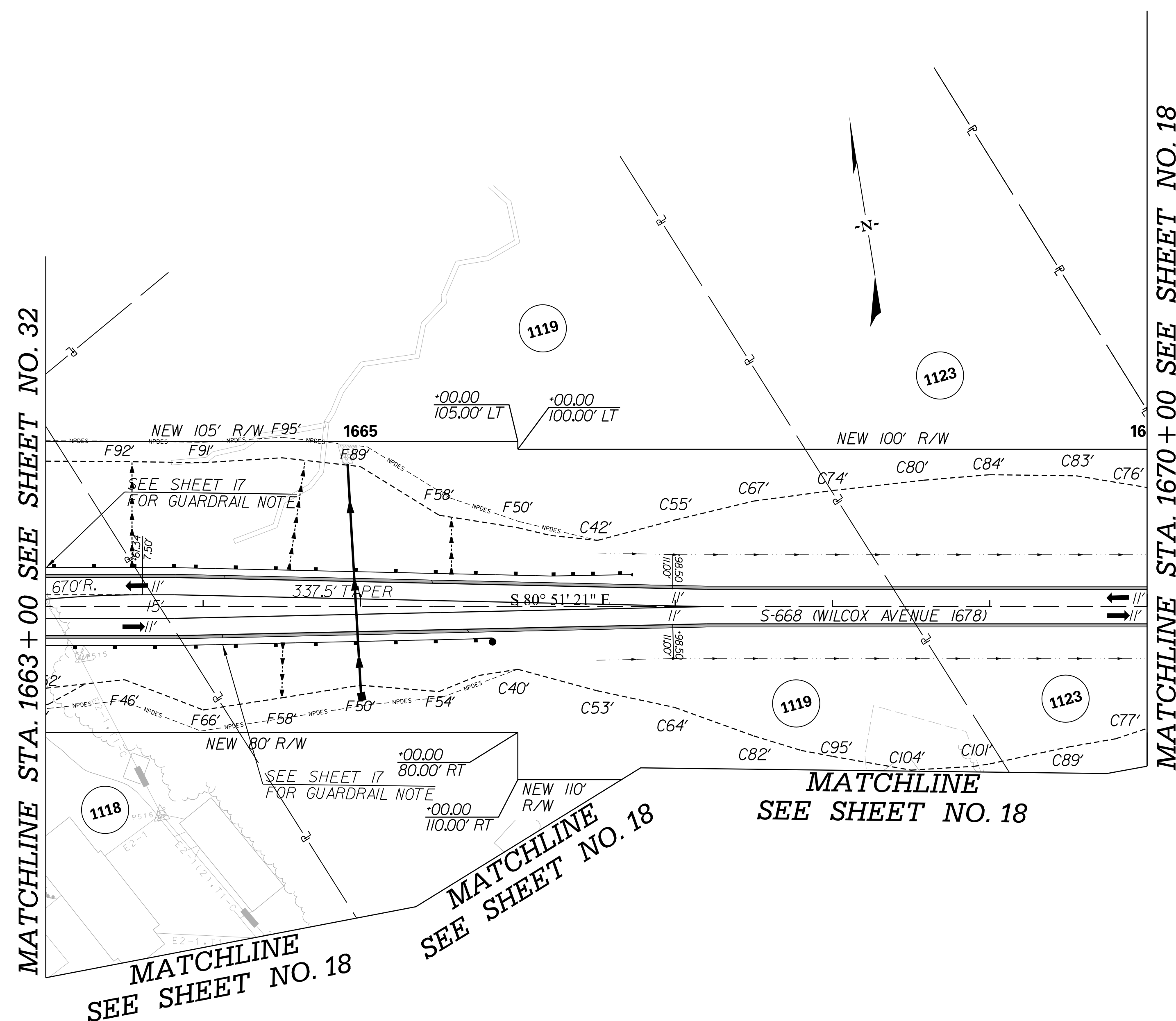
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PRELIMINARY NOT FOR CONSTRUCTION	7				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85 PLAN SHEET S-82 (PLEASANT SCHOOL RD) STA. 213+00 - STA. 217+96.98
	6				
	5				
	4				
	3				
2					
1					
SCALE: 1" = 50'	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	SPARTANBURG CHEROKEE	P027114	INTERSTATE 85	34

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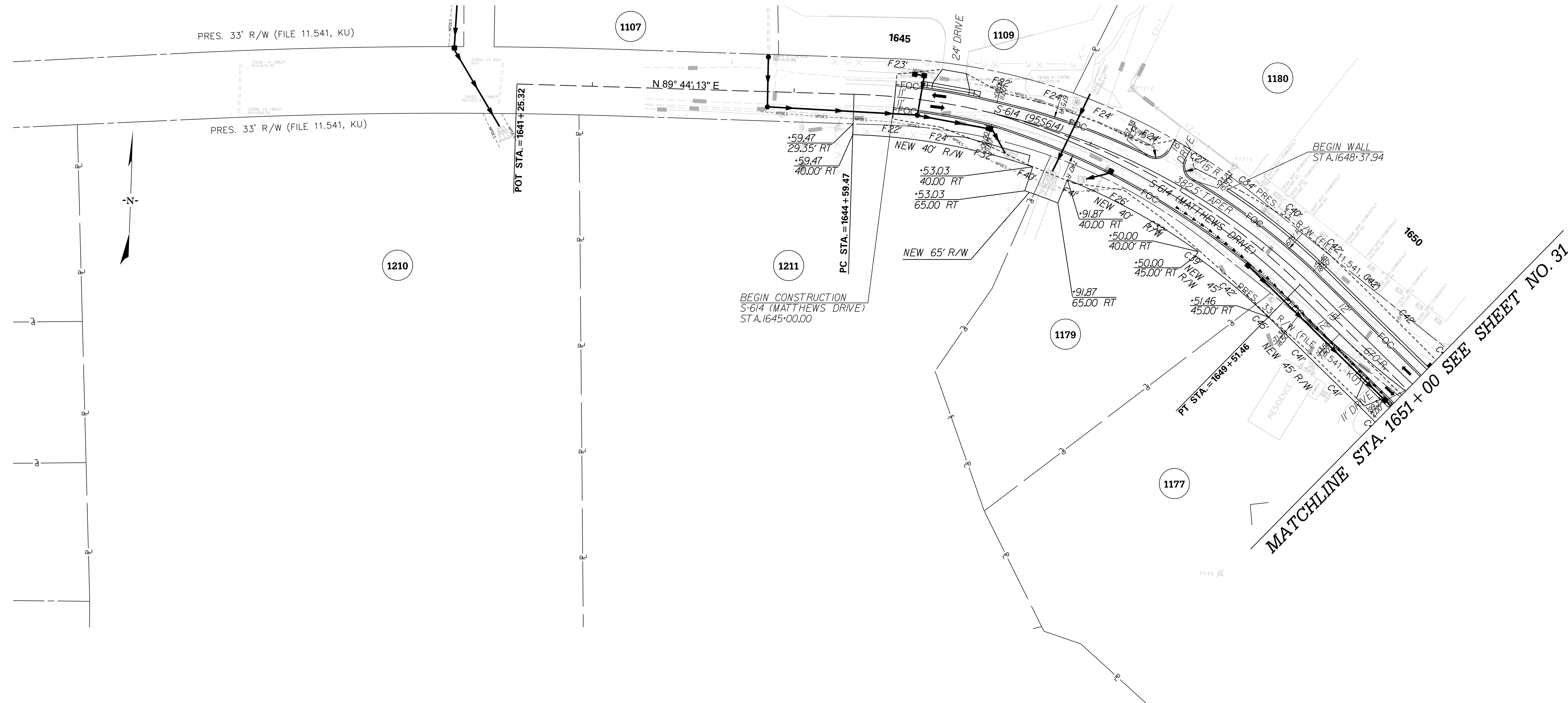


<p>PRELIMINARY NOT FOR CONSTRUCTION</p> <p>SCALE: 1" = 50'</p>	7				
	6				
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	1				
REV. NO.	BY	DATE	DESCRIPTION OF REVISION		

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

PLAN SHEET

S-668 (WILCOX AVE)
STA. 1663+00 - STA. 1670+00

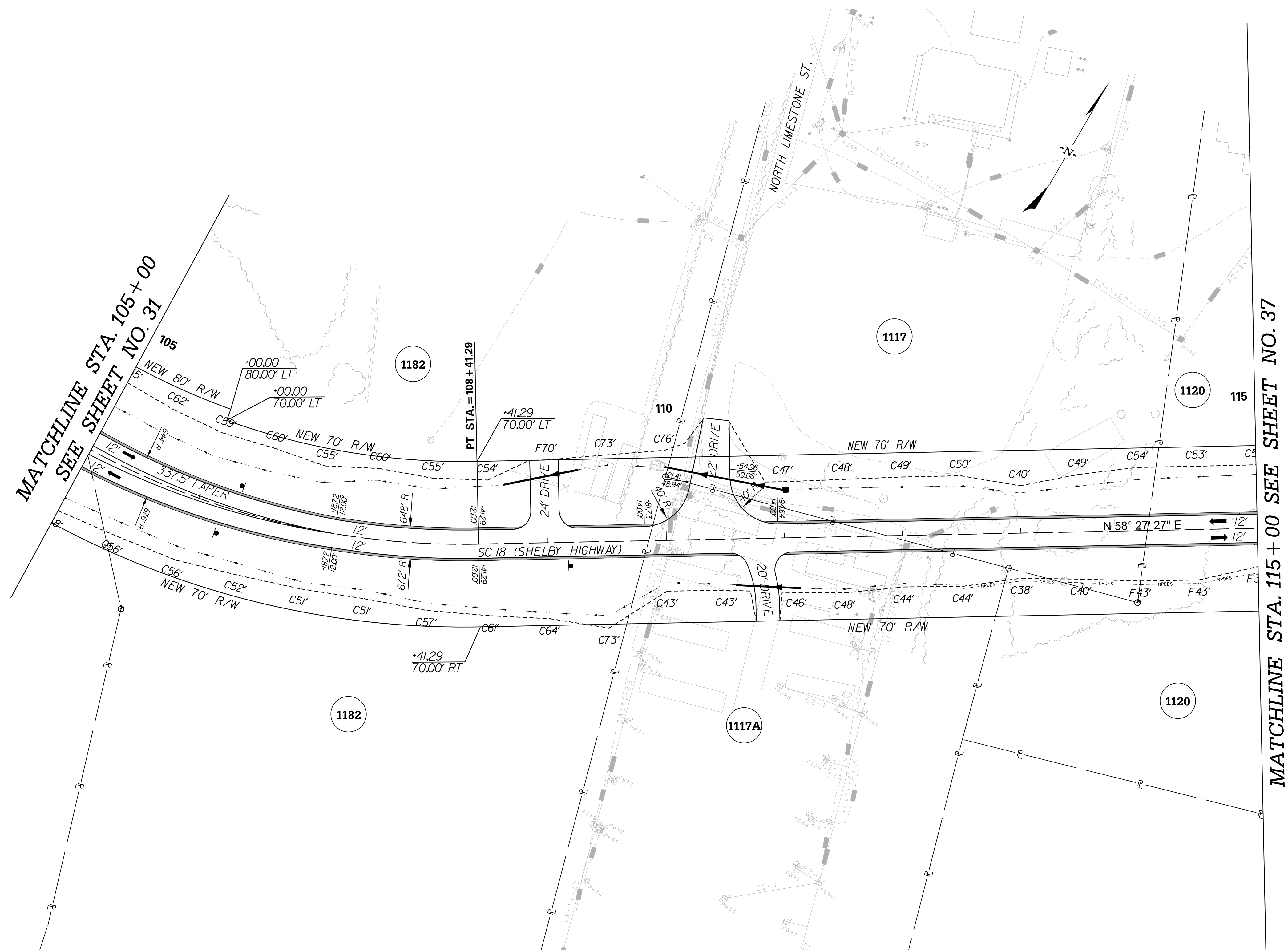


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 10/24/2017

<h2 style="color: red; margin: 0;">PRELIMINARY</h2> <h3 style="color: red; margin: 0;">NOT FOR CONSTRUCTION</h3>	7				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85 PLAN SHEET S-614 (MATTHEWS DR) STA. 1644 + 59.47 - STA.1651 + 00
	6				
	5				
	4				
	3				
	2				
	1				
SCALE: 1" = 50'	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	SPARTANBURG CHEROKEE	P027114	INTERSTATE 85	36

p:\parrish-pw\Documents\Projects\I-85 Widening\Design\Roadway\Sheets\Pre\liminaryPlans\SECTION 4\36_PLAN.dgn 10/24/2017



**MATCHLINE STA. 105+00
SEE SHEET NO. 31**

MATCHLINE STA. 115+00 SEE SHEET NO. 37

PRELIMINARY NOT FOR CONSTRUCTION	7			
	6			
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	2			
	1	PLD	8-30-17	DRIVEWAY ADDED TO PROPERTY 1117A
REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

SCALE: 1" = 50'

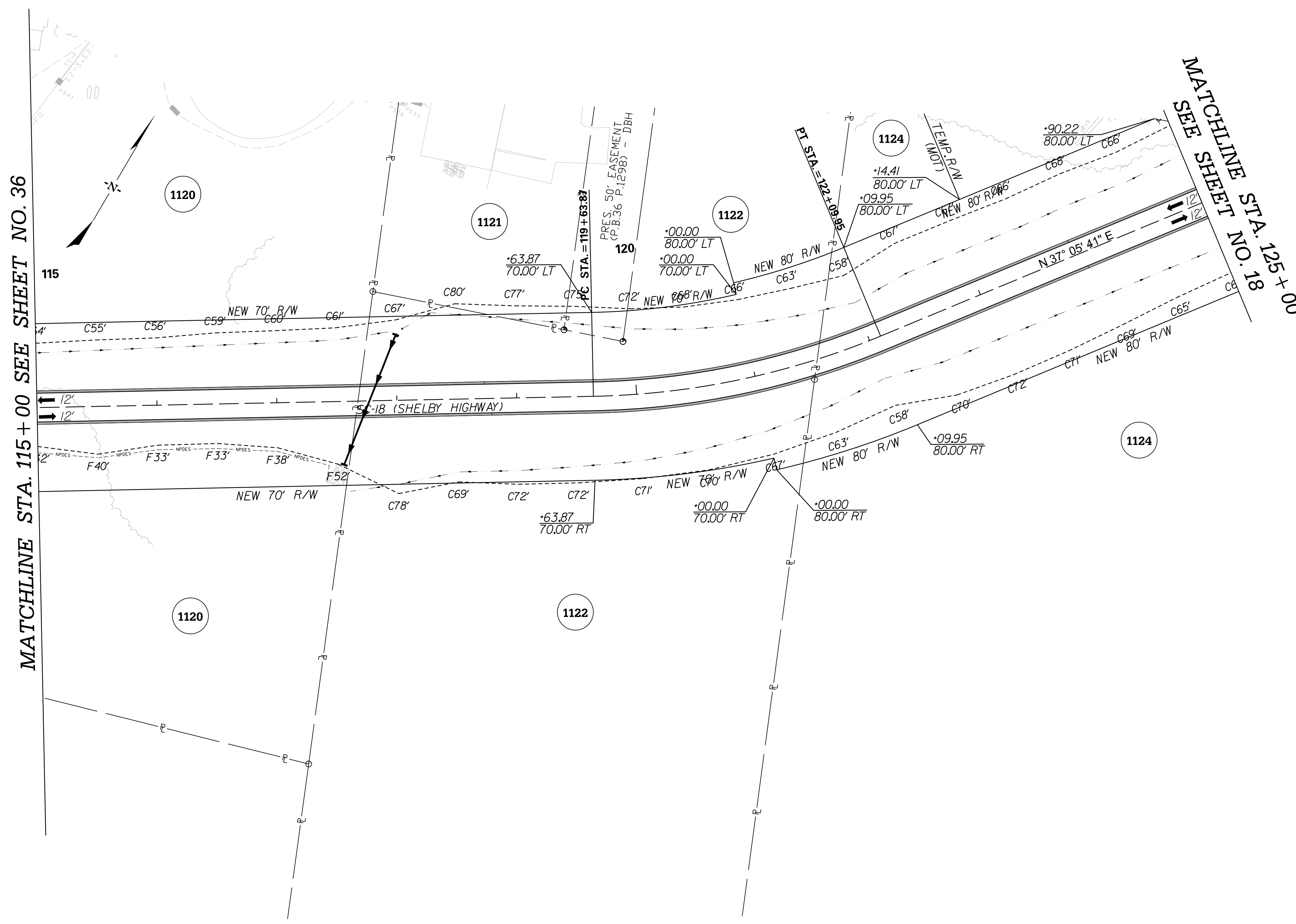
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

PLAN SHEET

SC-18 (SHELBY HWY)
STA. 105+00 - STA. 115+00

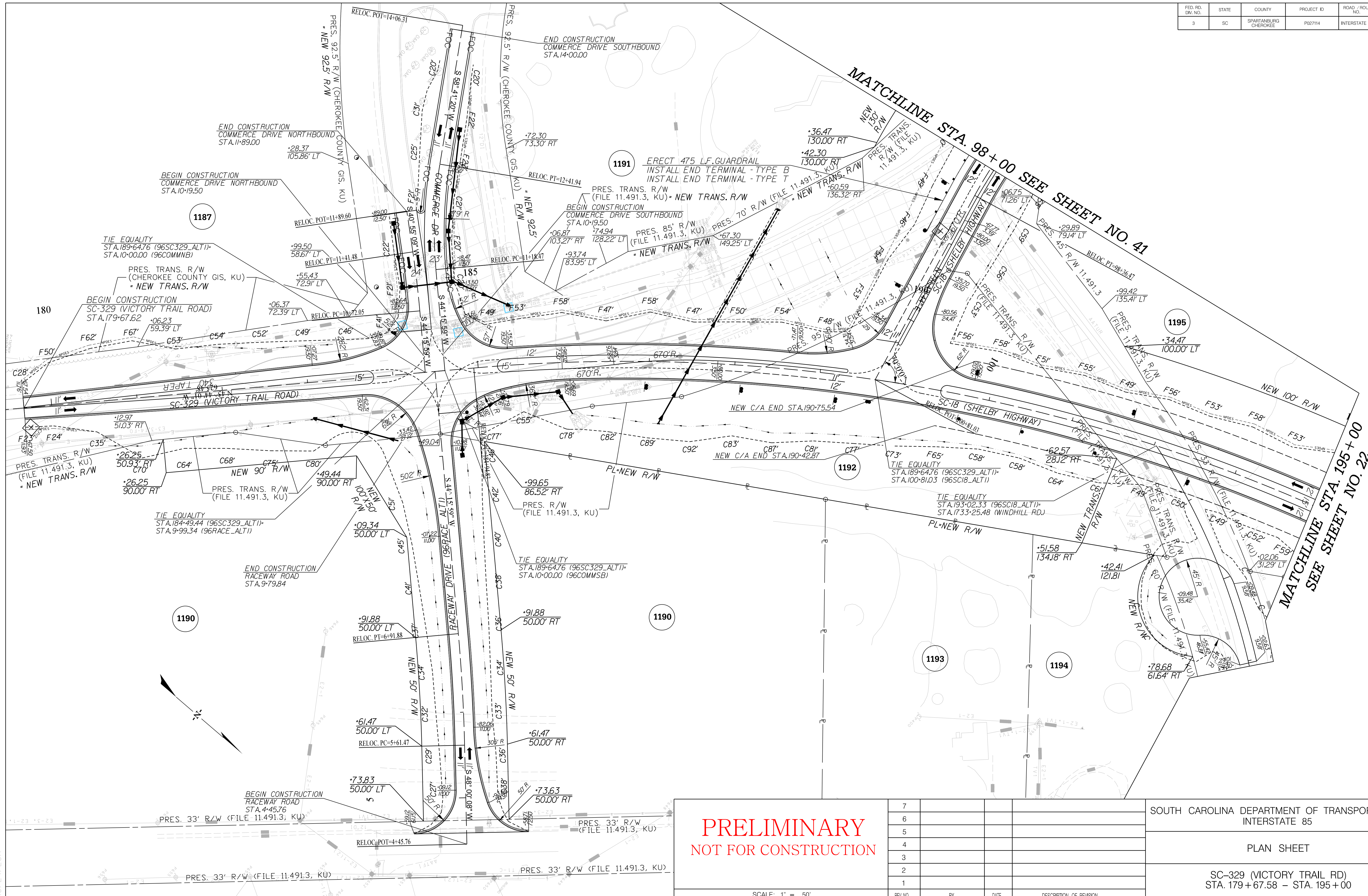
FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	SPARTANBURG CHEROKEE	P027114	INTERSTATE 85	37

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<p style="color: red; font-size: 24px; margin: 0;">PRELIMINARY</p> <p style="color: red; font-size: 24px; margin: 0;">NOT FOR CONSTRUCTION</p>	7				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85 PLAN SHEET SC-18 (SHELBY HWY) STA. 115+00 - STA. 125+00
	6				
	5				
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	1				
SCALE: 1" = 50'	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

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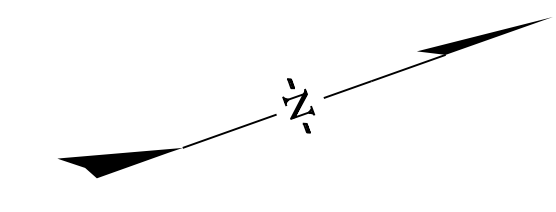
SCALE: 1" = 50'

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

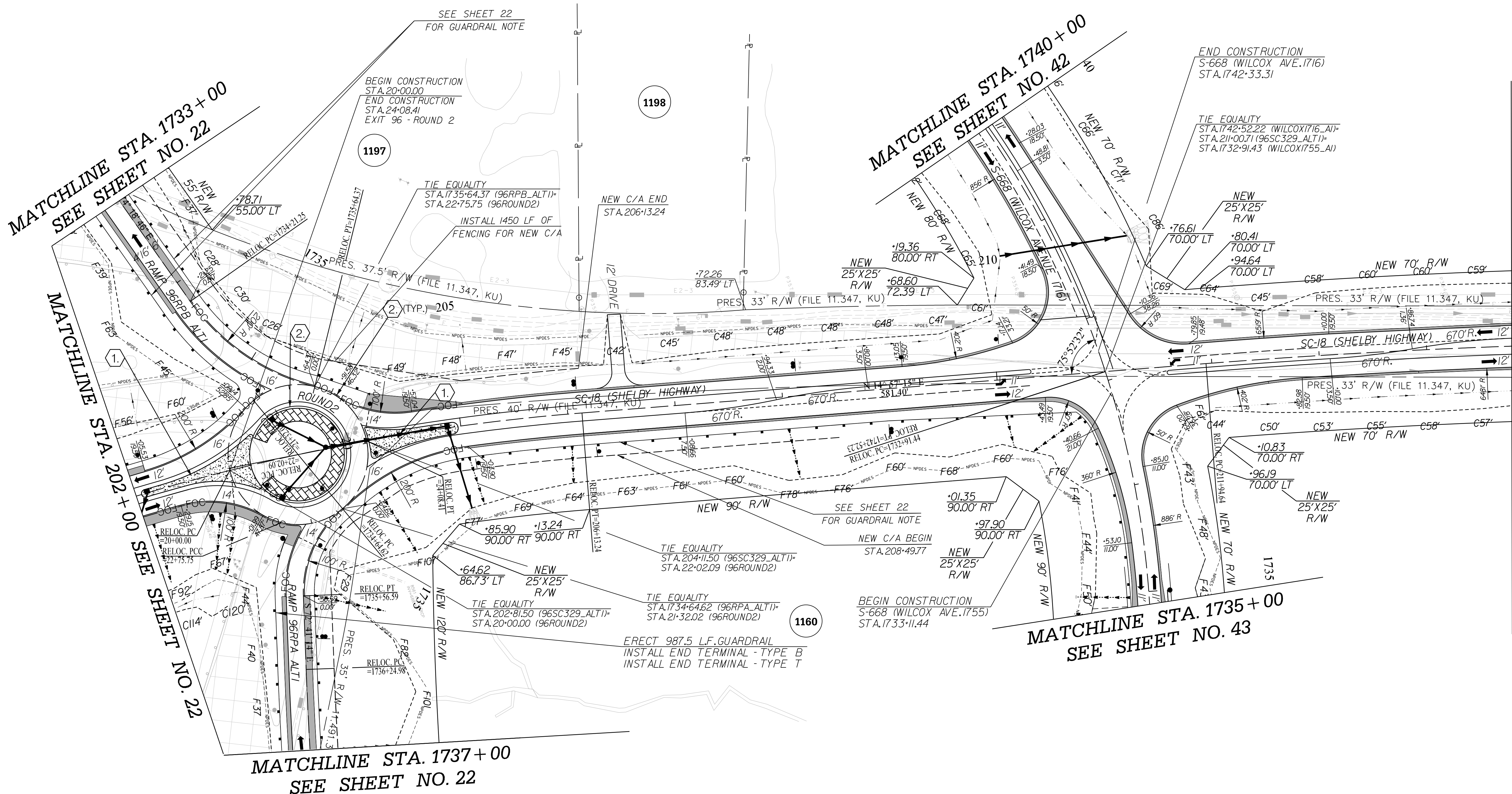
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

PLAN SHEET

SC-329 (VICTORY TRAIL RD)
STA. 179+67.58 - STA. 195+00



1200



MATCHLINE STA. 1733+00
SEE SHEET NO. 22

MATCHLINE STA. 1740+00
SEE SHEET NO. 42

MATCHLINE STA. 215+00 SEE SHEET NO. 40

MATCHLINE STA. 1735+00
SEE SHEET NO. 43

MATCHLINE STA. 1737+00
SEE SHEET NO. 22

KEYNOTES:

- ① CONSTRUCT 4" UNIFORM THICKNESS CONCRETE MONOLITHIC ISLAND.
- ② CONSTRUCT 2' OGEE CONCRETE CURB AND GUTTER. PAVE BEHIND OGEE CURB AND GUTTER UNDER GUARDRAIL (PAVING UNDER GUARDRAIL NOT SHOWN FOR CLARITY) SEE SCDOT STD DWG. 720-105-01

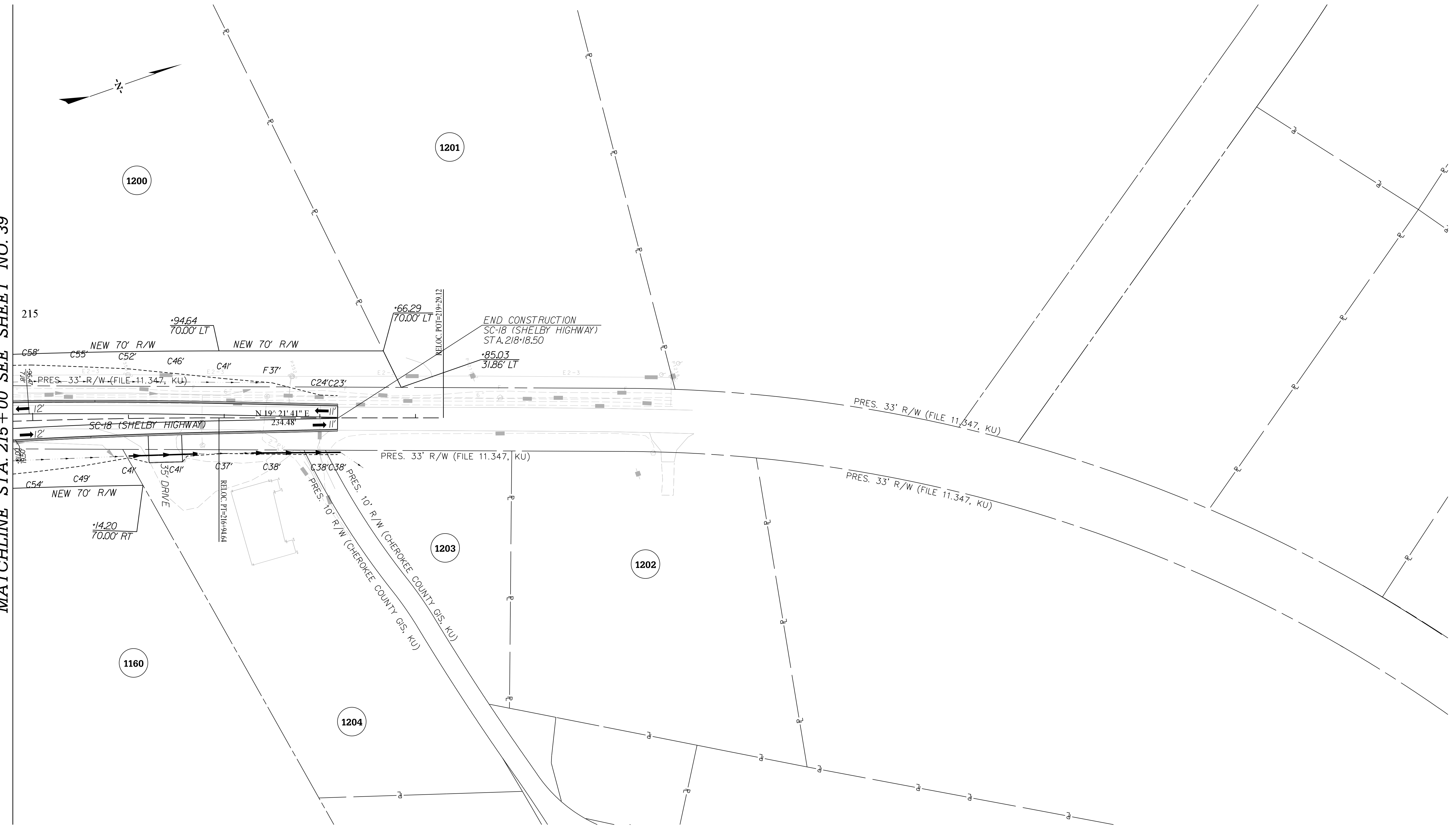
<p>PRELIMINARY NOT FOR CONSTRUCTION</p>	7				
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	5				
	4				
	3				
	2				
	1				
SCALE: 1" = 50'	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85	
PLAN SHEET	
SC-329 (VICTORY TRAIL RD) STA. 202+00 - STA. 215+00	

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FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	SPARTANBURG CHEROKEE	P027114	INTERSTATE 85	40

MATCHLINE STA. 215 + 00 SEE SHEET NO. 39



PRELIMINARY NOT FOR CONSTRUCTION	7			
	6			
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	3			
	2			
	1			
REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

SCALE: 1" = 50'

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

PLAN SHEET

SC-329 (VICTORY TRAIL RD)
STA. 215 + 00 - STA. 218 + 15.56

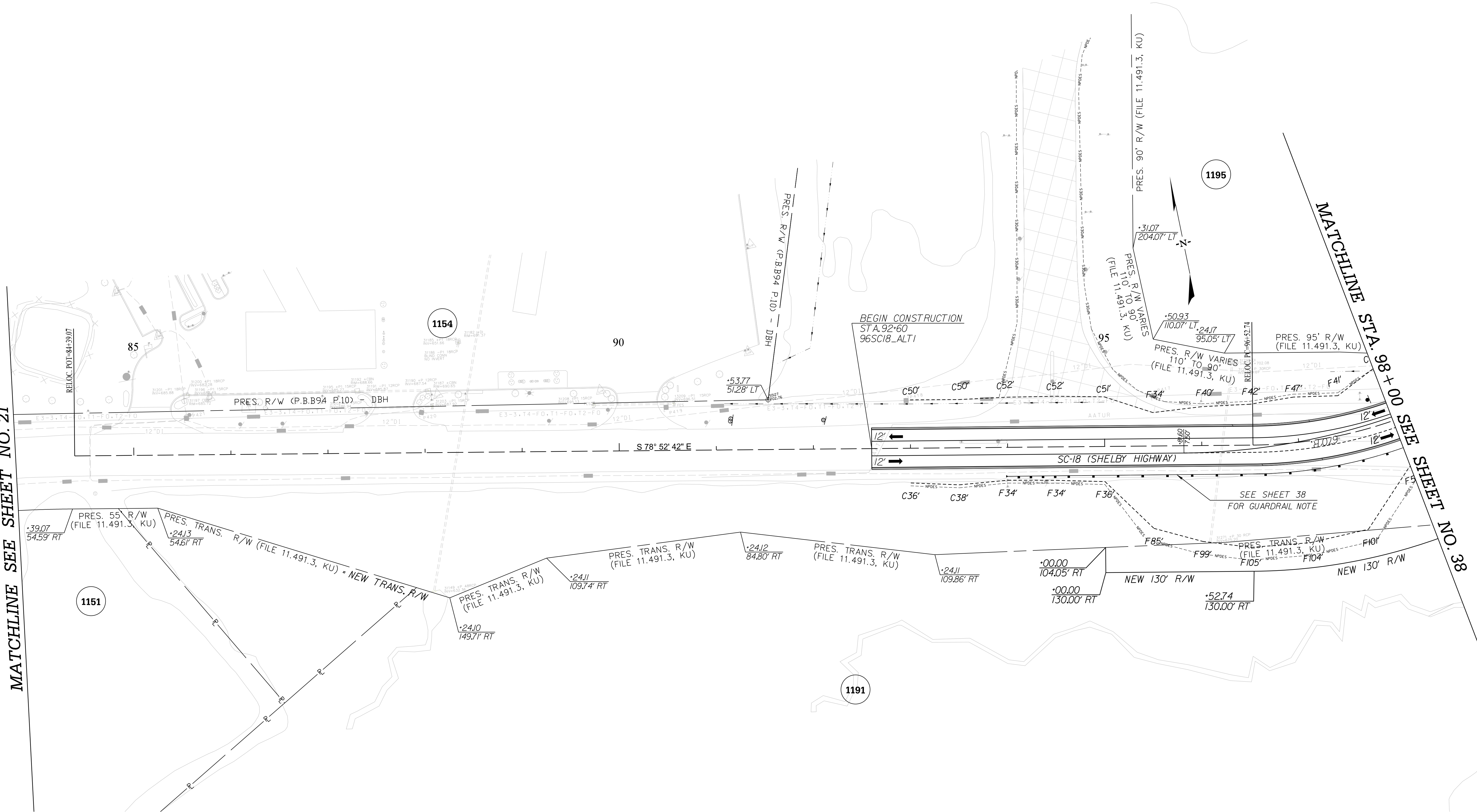
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FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	SPARTANBURG CHEROKEE	P027114	INTERSTATE 85	41

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MATCHLINE SEE SHEET NO. 21

MATCHLINE STA. 98+00 SEE SHEET NO. 38



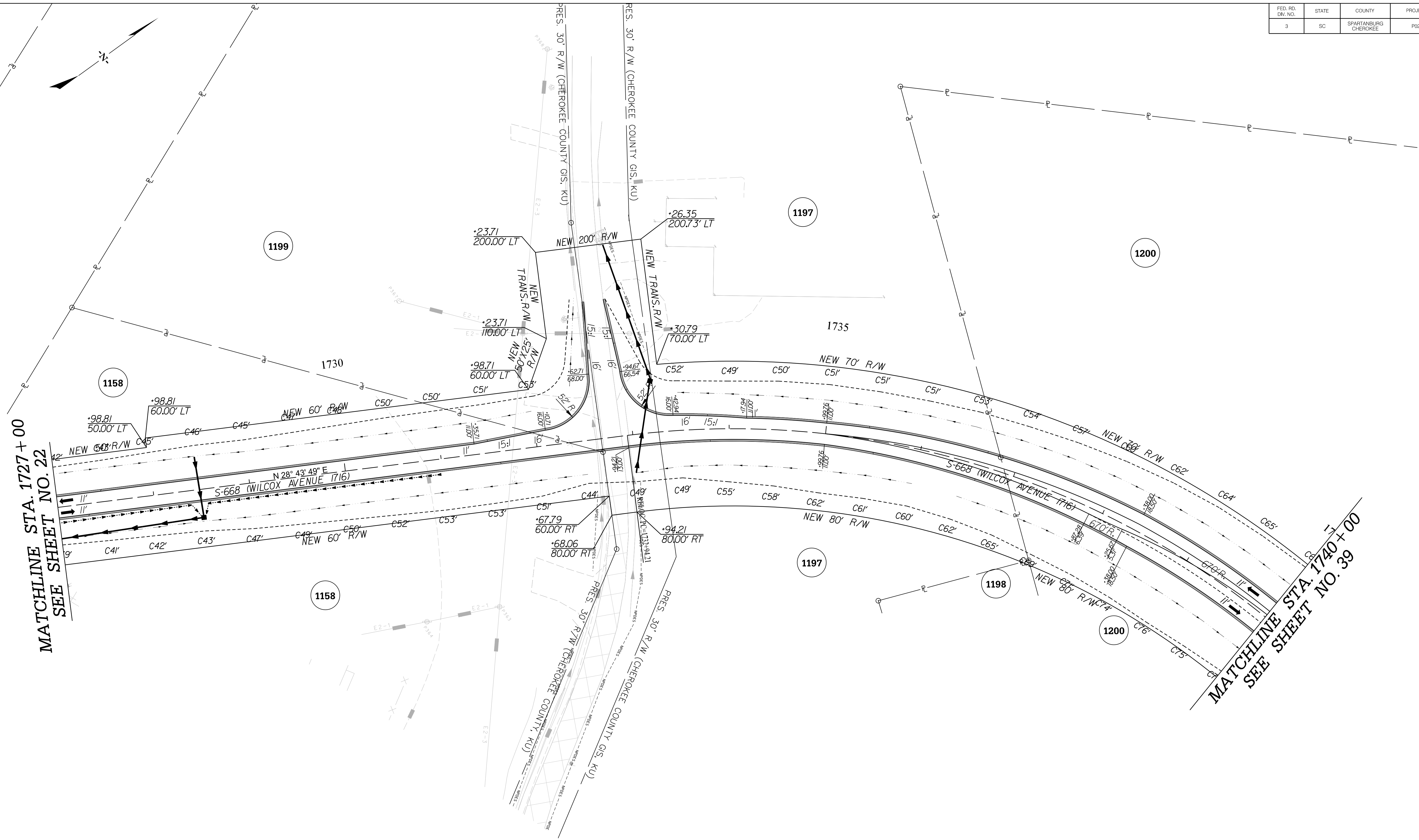
PRELIMINARY NOT FOR CONSTRUCTION	7				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85 PLAN SHEET SC-18 (SHELBY HWY) STA. 92+00 - STA. 98+00
	6				
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	3				
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	1				
SCALE: 1" = 50'	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	SPARTANBURG CHEROKEE	P027114	INTERSTATE 85	42

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MATCHLINE STA. 1727 + 00
SEE SHEET NO. 22

MATCHLINE STA. 1740 + 00
SEE SHEET NO. 39

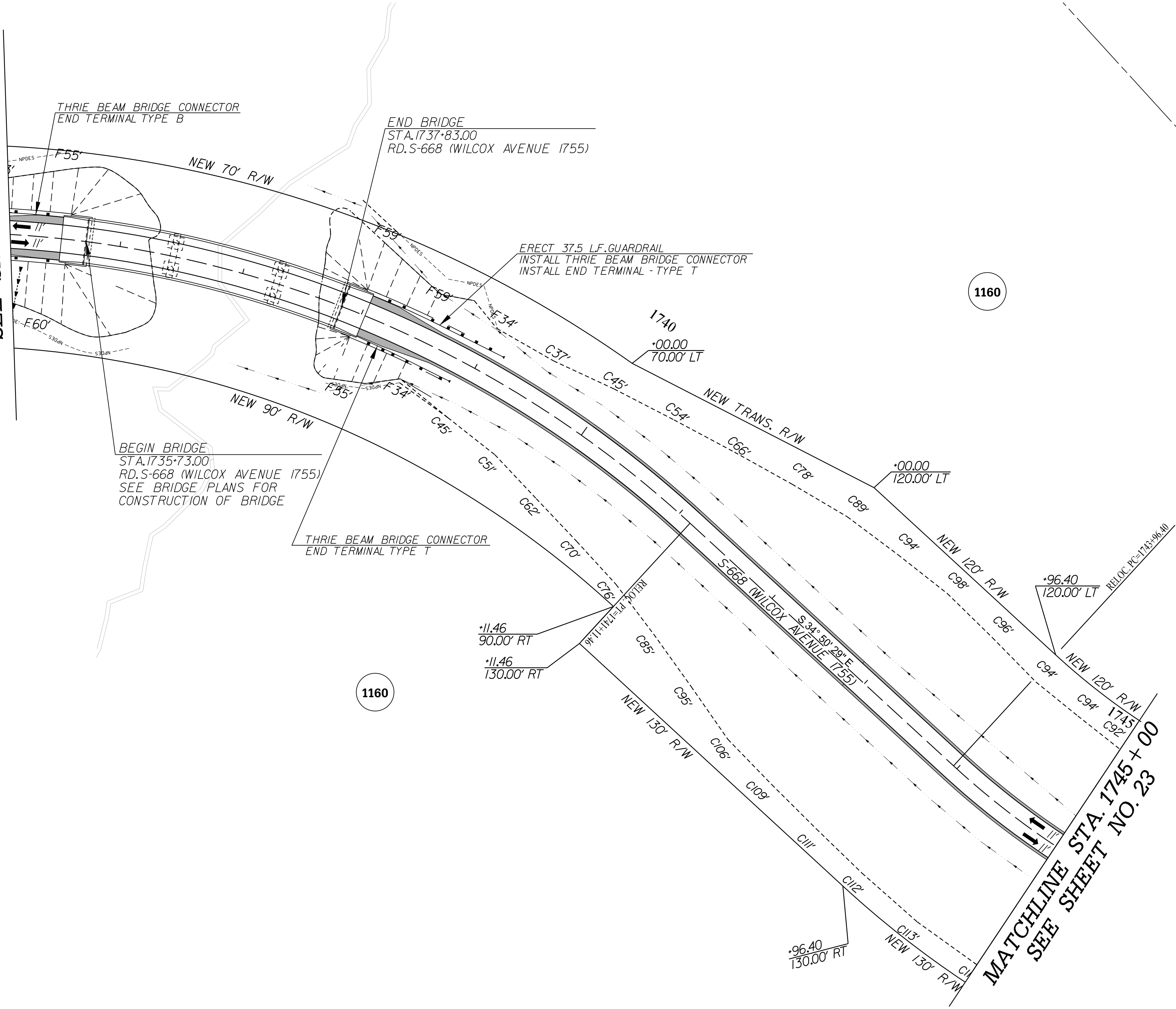


<p>PRELIMINARY NOT FOR CONSTRUCTION</p>	7				<p>SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85</p> <p>PLAN SHEET</p>
	6				
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	4				
	3				
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	1				
SCALE: 1" = 50'	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	SPARTANBURG CHEROKEE	P027114	INTERSTATE 85	43

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**MATCHLINE STA. 1735+00
SEE SHEET NO. 39**



1160

1205

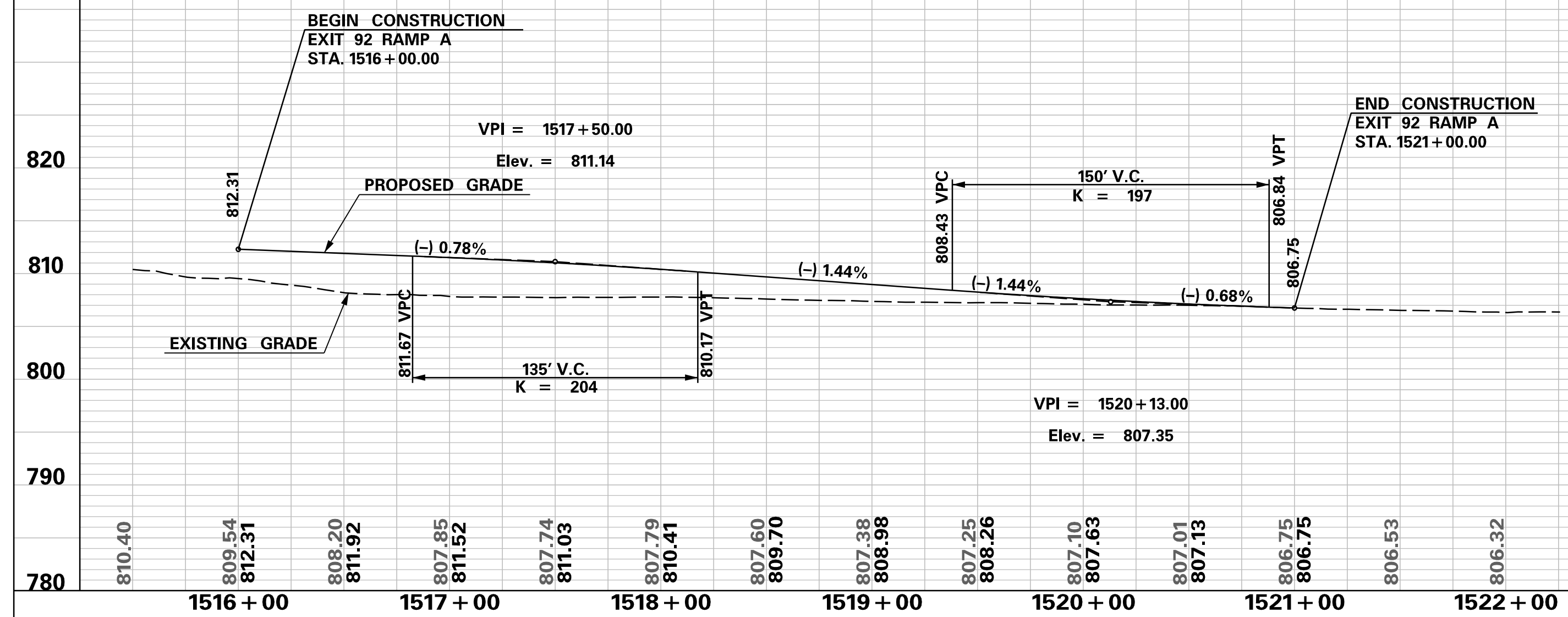
1168

1160

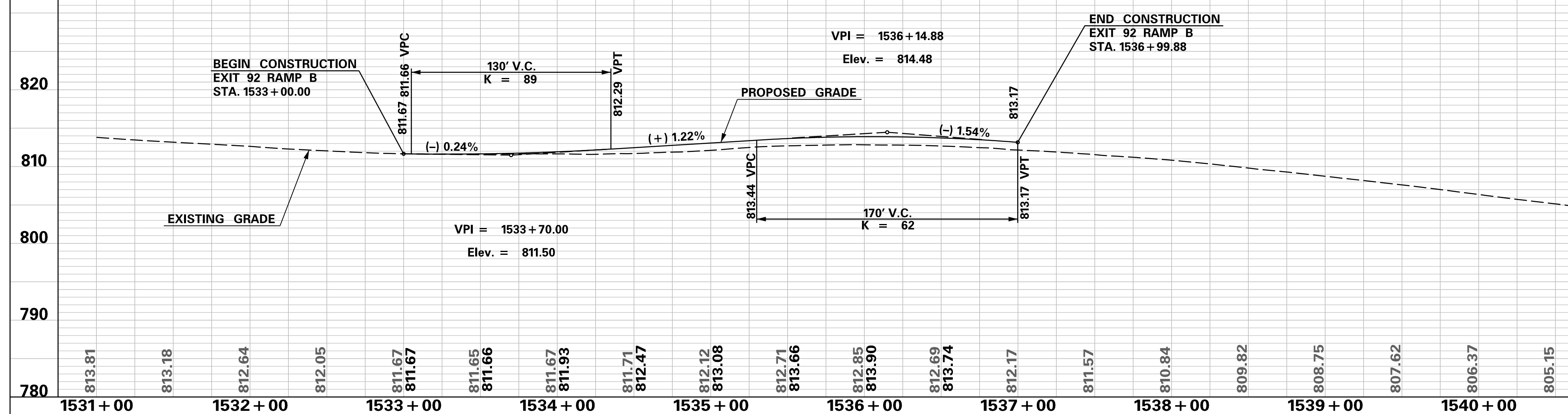
**MATCHLINE STA. 1745+00
SEE SHEET NO. 23**

<p>PRELIMINARY NOT FOR CONSTRUCTION</p> <p>SCALE: 1" = 50'</p>	7				<p>SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85</p> <p>PLAN SHEET</p>
	6				
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION		

EXIT 92 RAMP A



EXIT 92 RAMP B



DOCUMENT REVIEW		
RESPONSIBILITY	NAME	DATE
ORIGINATOR	_____	_____
CHECKED	_____	_____
REVISED	_____	_____
VERIFIED	_____	_____

**PRELIMINARY
NOT FOR CONSTRUCTION**

SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
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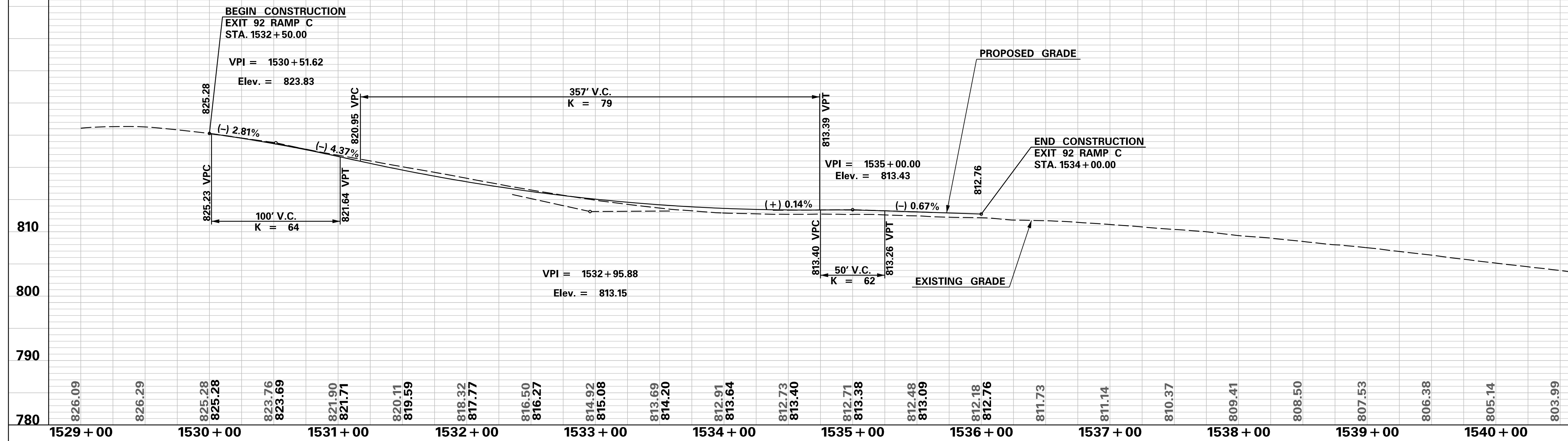
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

PROFILE SHEET

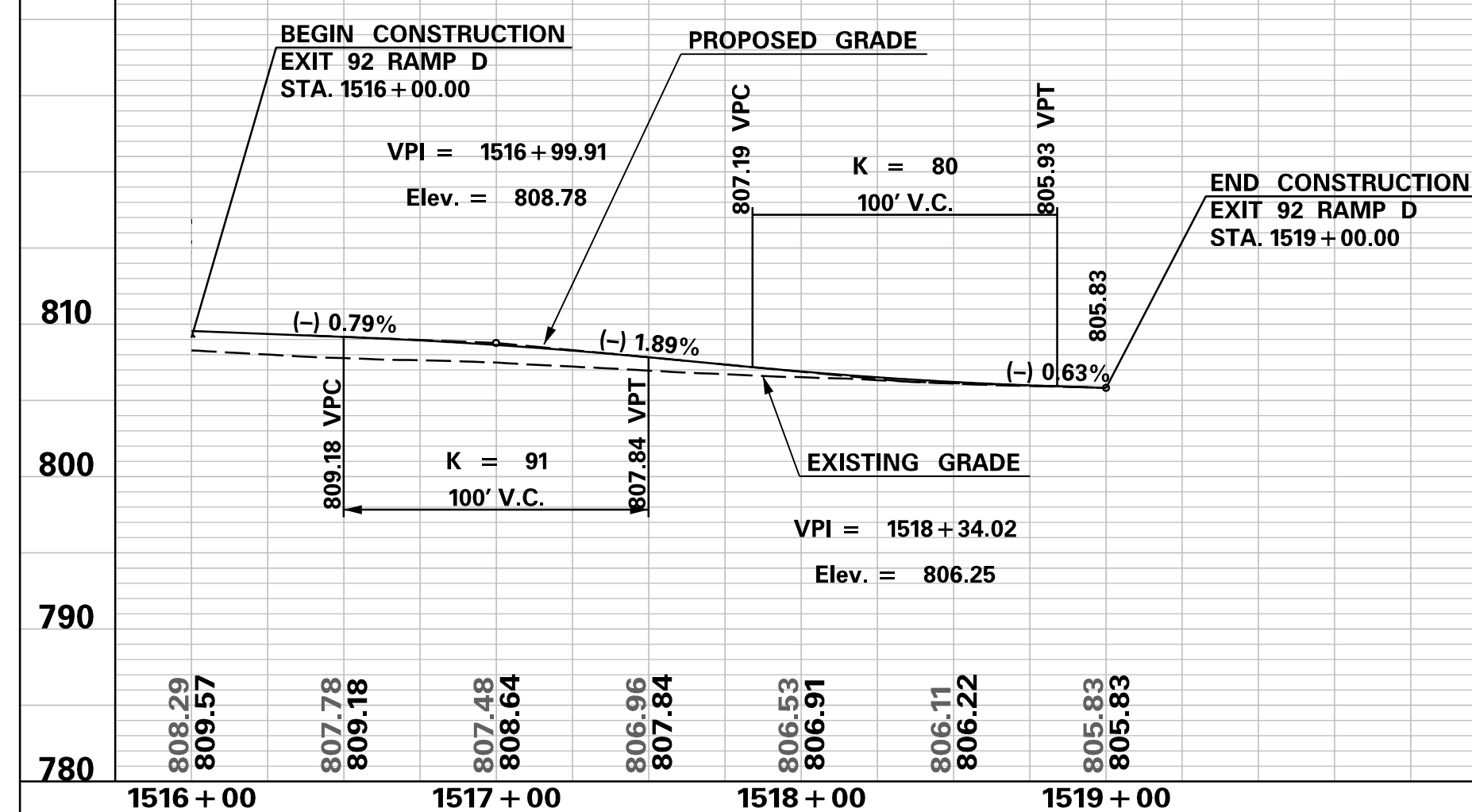
INTERSTATE 85 WIDENING

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EXIT 92 RAMP C



EXIT 92 RAMP D



TRACKING NO.

DOCUMENT REVIEW		
RESPONSIBILITY	NAME	DATE
ORIGINATOR	_____	_____
CHECKED	_____	_____
REVISED	_____	_____
VERIFIED	_____	_____

**PRELIMINARY
NOT FOR CONSTRUCTION**

SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

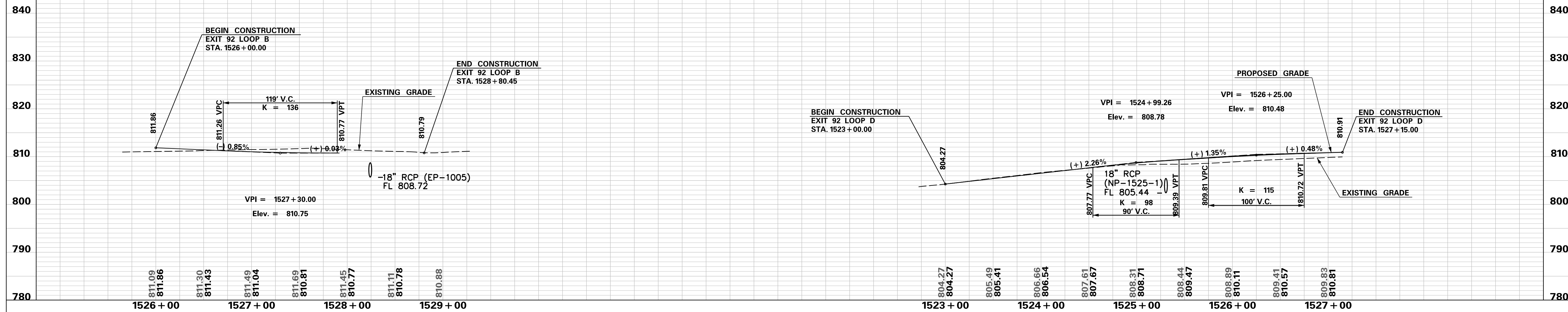
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

PROFILE SHEET

INTERSTATE 85 WIDENING

EXIT 92 LOOP B

EXIT 92 LOOP D



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TRACKING NO.

DOCUMENT REVIEW		
RESPONSIBILITY	NAME	DATE
ORIGINATOR	_____	_____
CHECKED	_____	_____
REVISED	_____	_____
VERIFIED	_____	_____

PRELIMINARY
NOT FOR CONSTRUCTION

SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)

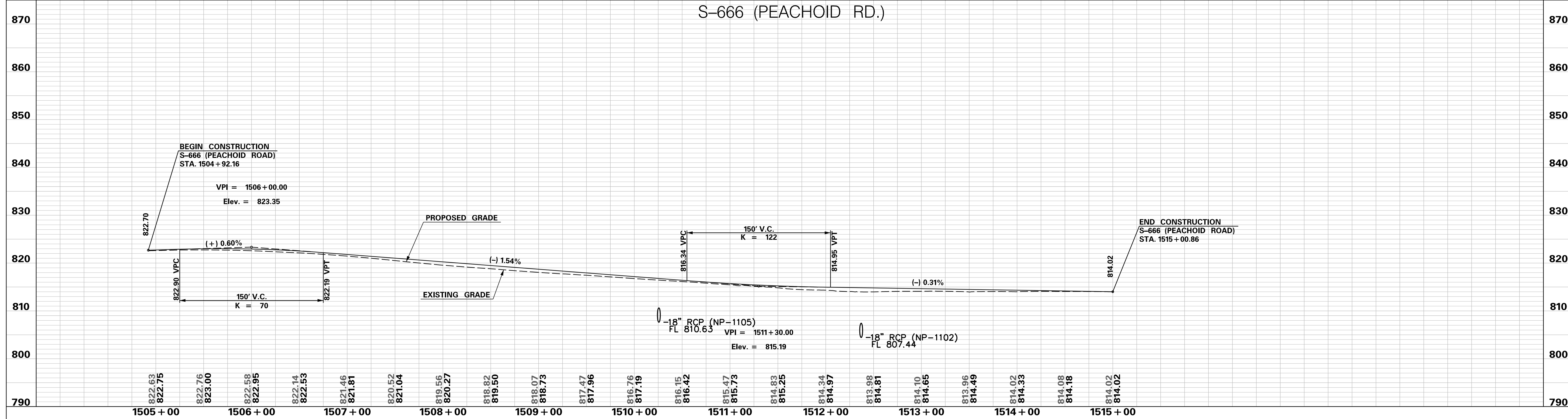
REV. NO.	BY	DATE	DESCRIPTION OF REVISION
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SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

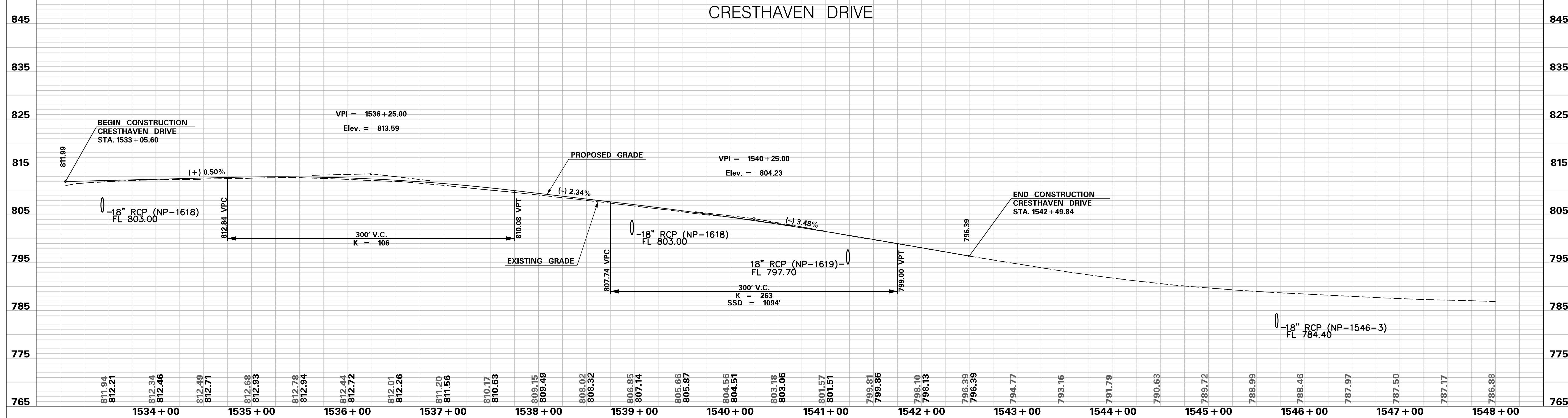
PROFILE SHEET

INTERSTATE 85 WIDENING

S-666 (PEACHOID RD.)



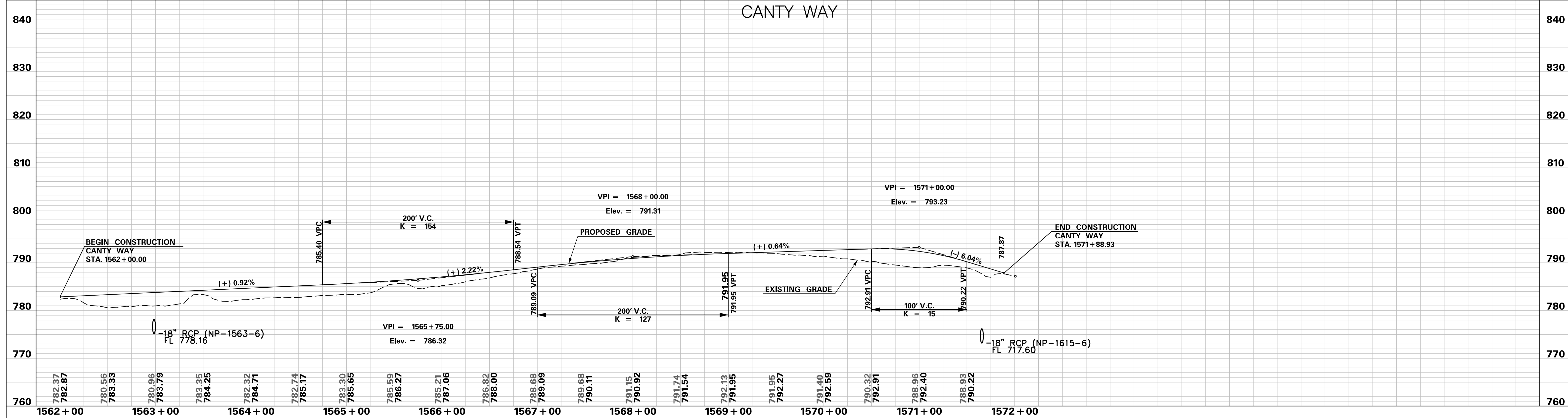
CRESTHAVEN DRIVE



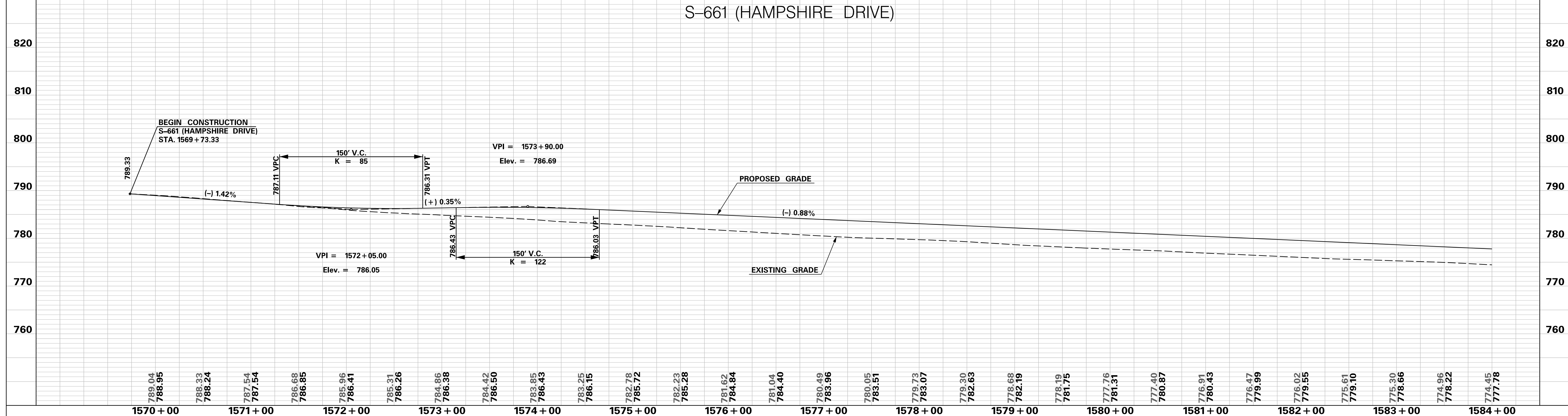
<p>PRELIMINARY NOT FOR CONSTRUCTION</p>	7				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85 PROFILE SHEET INTERSTATE 85 WIDENING
	6				
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SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)		REV. NO.	BY	DATE	DESCRIPTION OF REVISION

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 10/24/2017

CANTY WAY



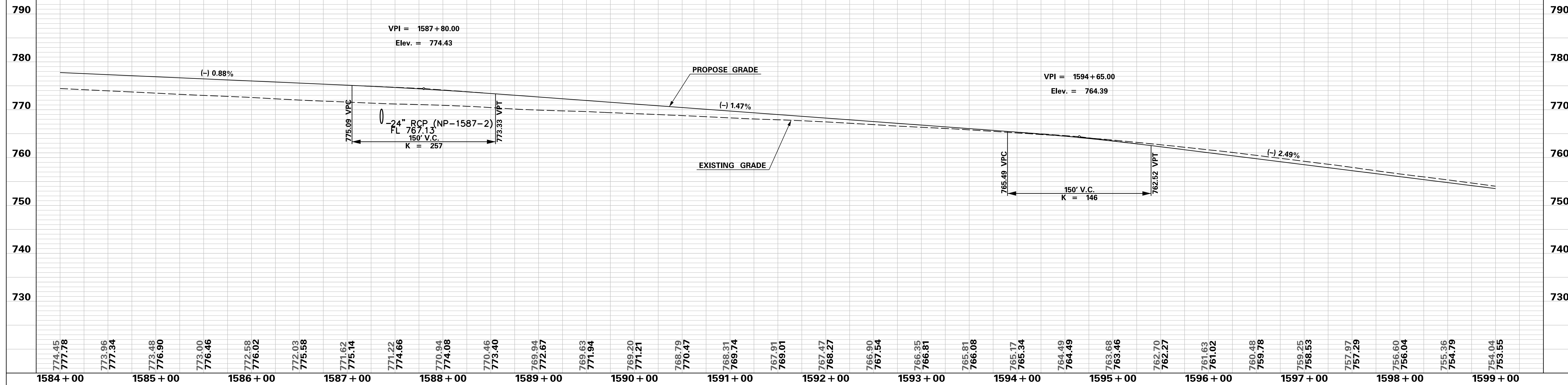
S-661 (HAMPSHIRE DRIVE)



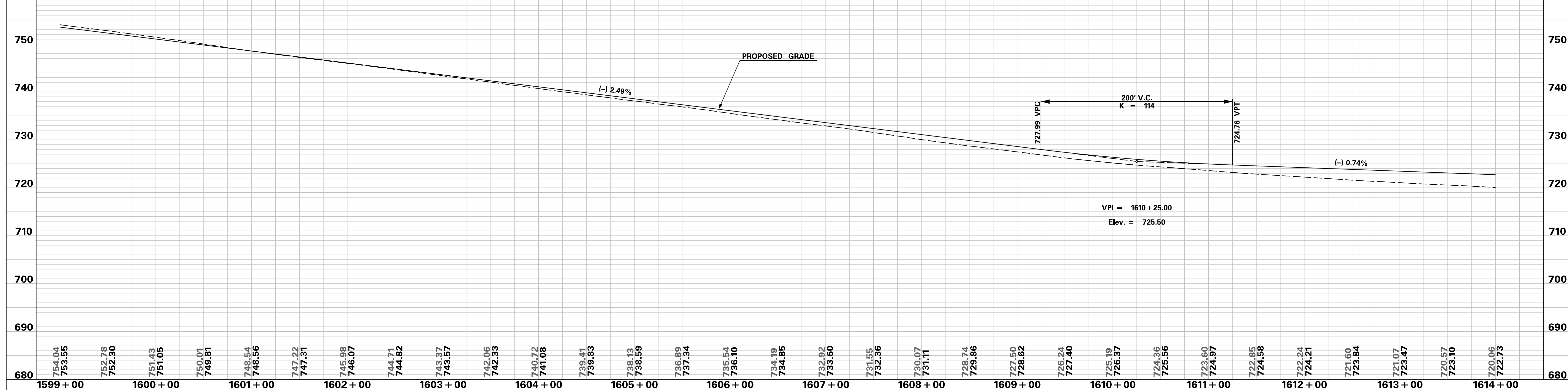
<p>PRELIMINARY NOT FOR CONSTRUCTION</p>	7				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85 PROFILE SHEET INTERSTATE 85 WIDENING
	6				
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SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

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 10/24/2017

S-661 (HAMPSHIRE DRIVE)



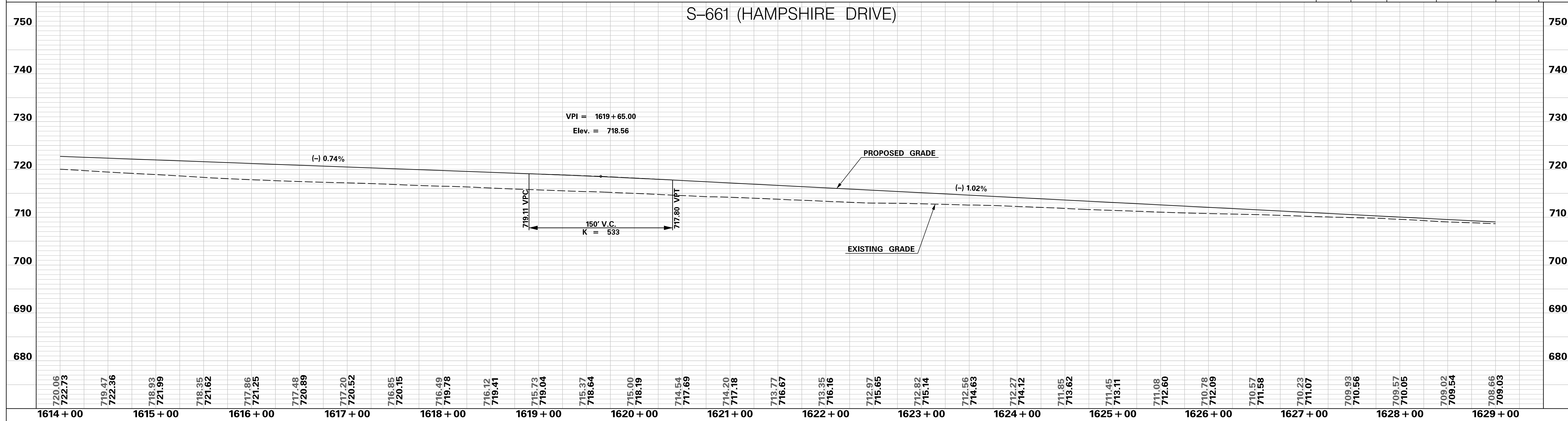
S-661 (HAMPSHIRE DRIVE)



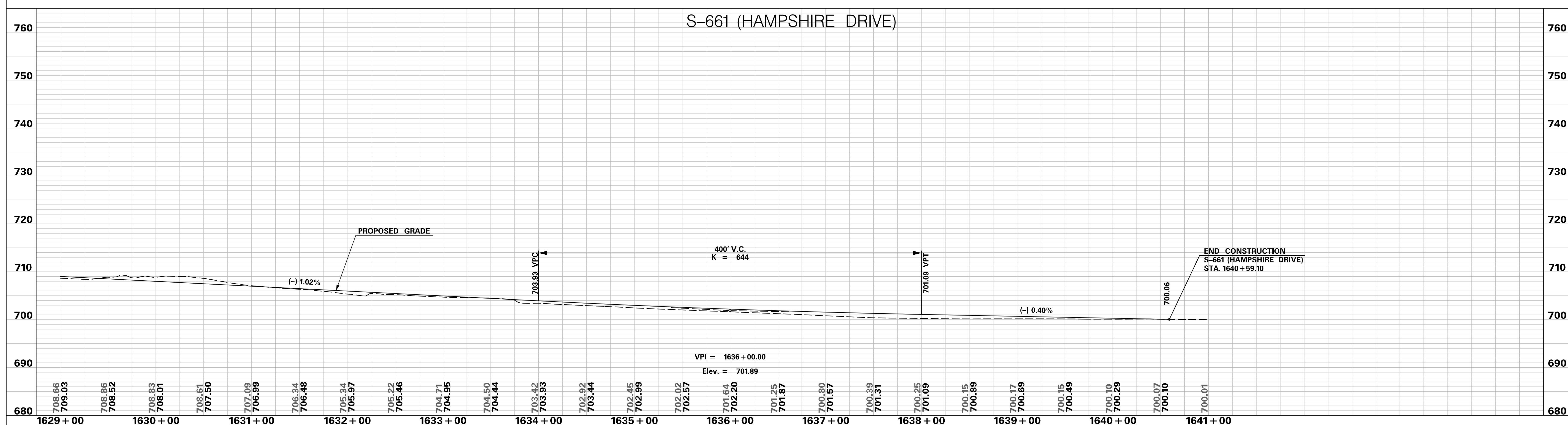
<p style="color: red; font-size: 24px; margin: 0;">PRELIMINARY NOT FOR CONSTRUCTION</p>	7				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85 PROFILE SHEET INTERSTATE 85 WIDENING
	6				
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SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

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 10/24/2017

S-661 (HAMPSHIRE DRIVE)



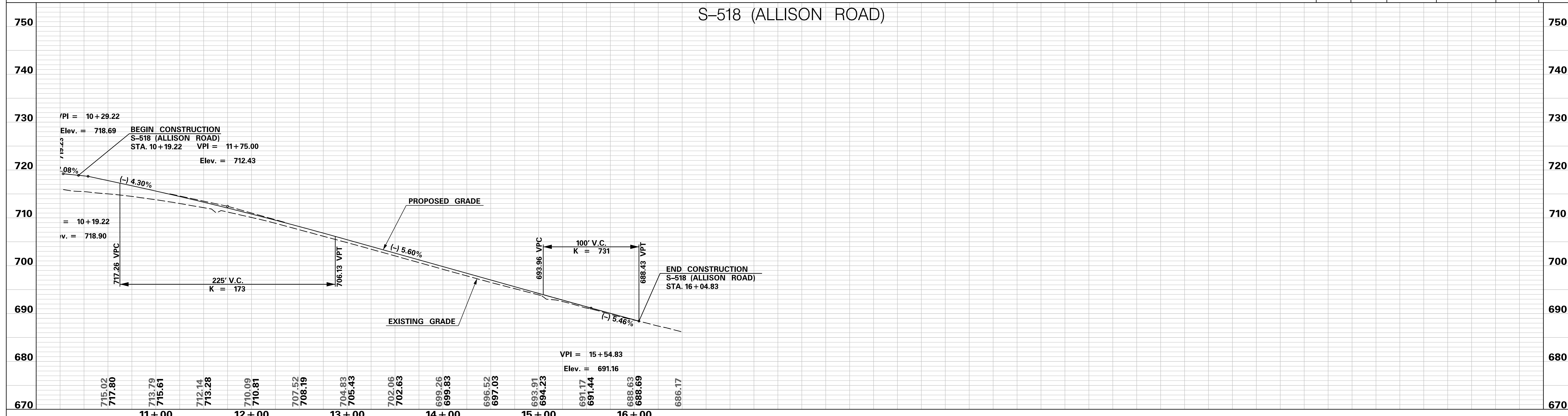
S-661 (HAMPSHIRE DRIVE)



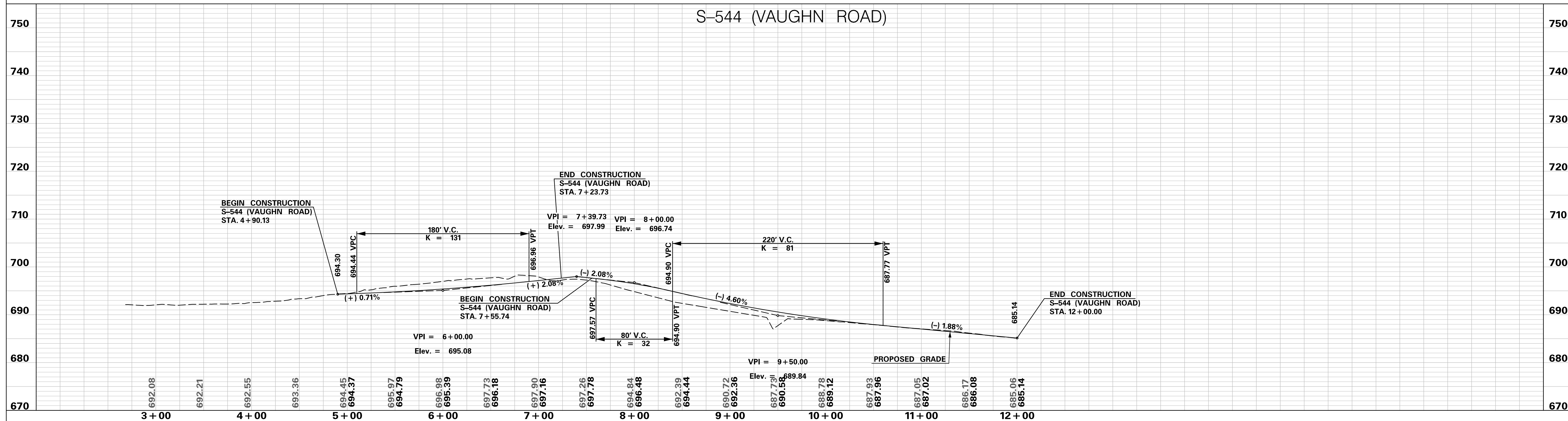
PRELIMINARY NOT FOR CONSTRUCTION	7				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85 PROFILE SHEET INTERSTATE 85 WIDENING
	6				
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SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

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 10/24/2017

S-518 (ALLISON ROAD)



S-544 (VAUGHN ROAD)



**PRELIMINARY
NOT FOR CONSTRUCTION**

SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

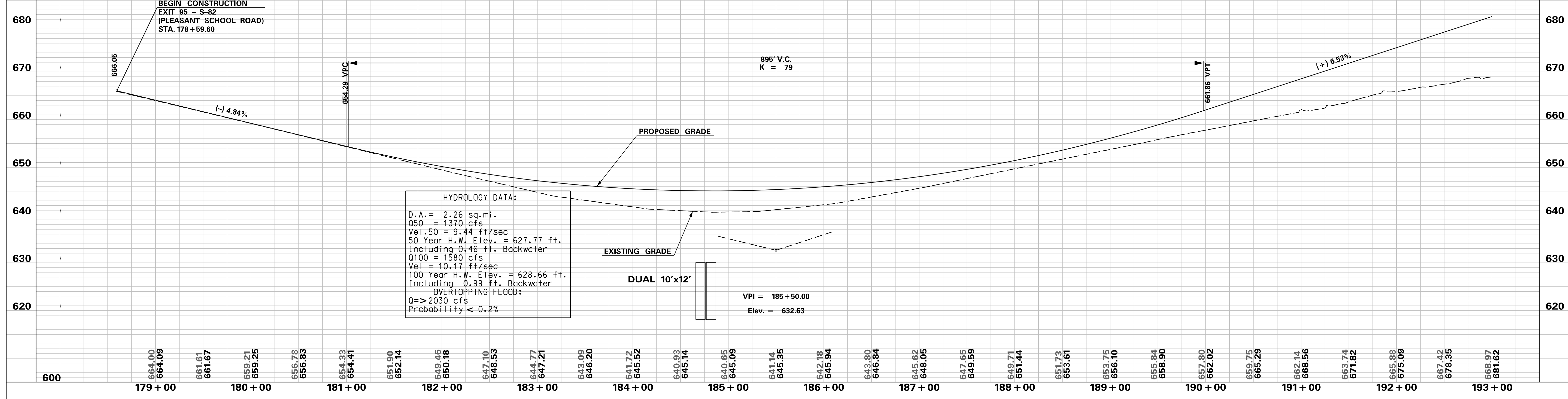
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

PROFILE SHEET

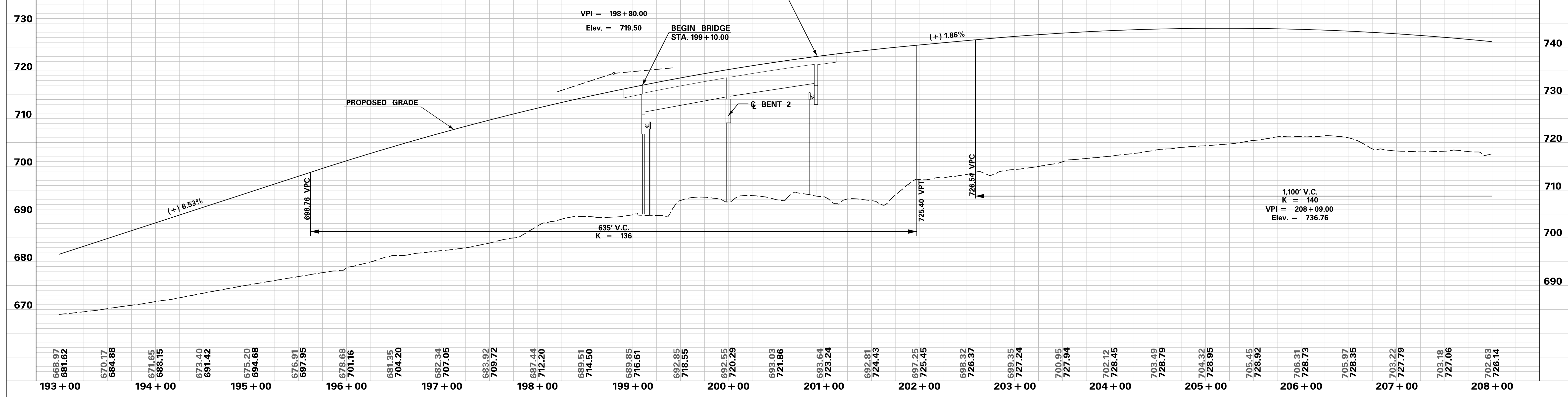
INTERSTATE 85 WIDENING

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EXIT 95 - S-82 (PLEASANT SCHOOL ROAD)



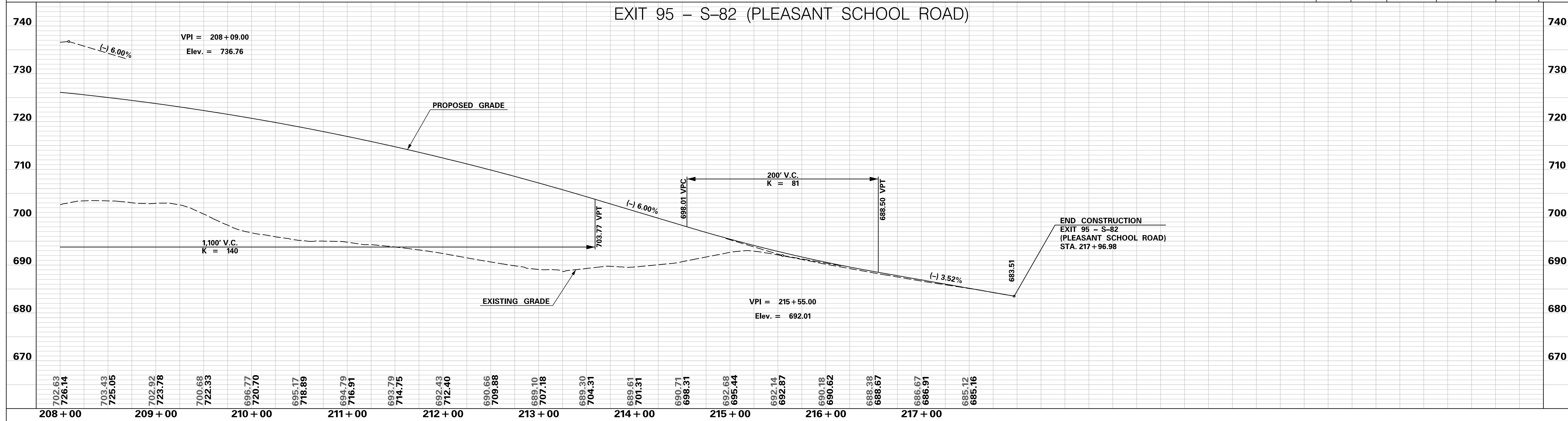
EXIT 95 - S-82 (PLEASANT SCHOOL ROAD)



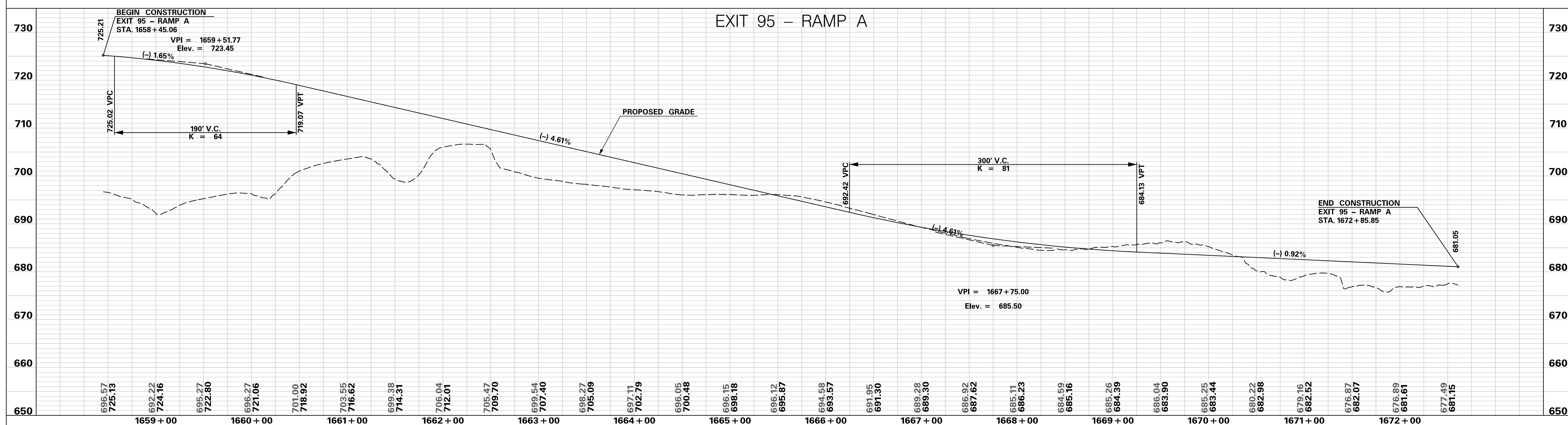
<h2 style="color: red;">PRELIMINARY NOT FOR CONSTRUCTION</h2>	7				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85 PROFILE SHEET INTERSTATE 85 WIDENING
	6				
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SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

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 10/24/2017

EXIT 95 - S-82 (PLEASANT SCHOOL ROAD)



EXIT 95 - RAMP A



**PRELIMINARY
NOT FOR CONSTRUCTION**

SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

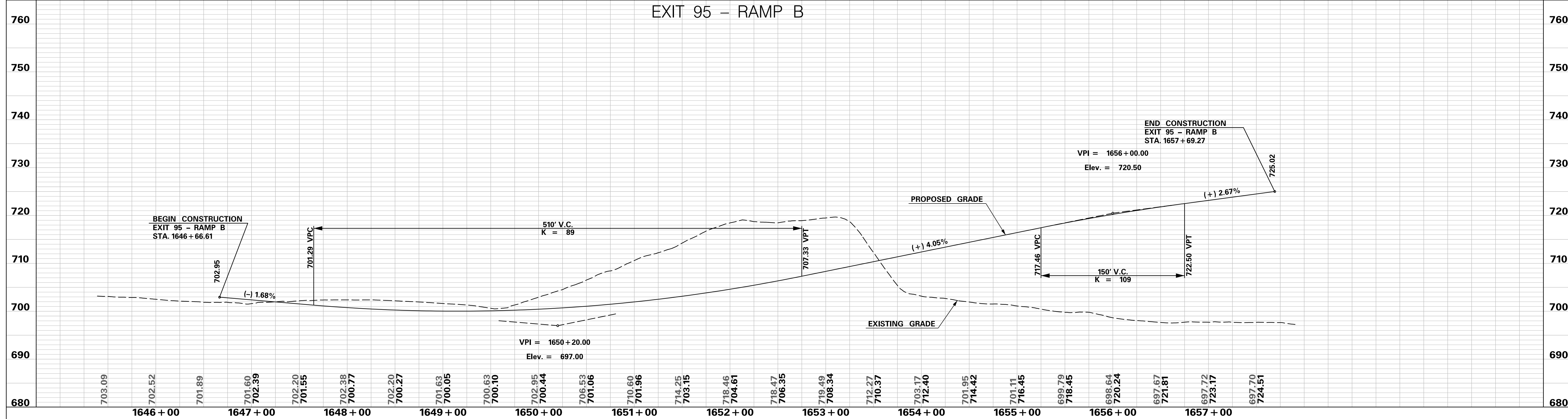
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

PROFILE SHEET

INTERSTATE 85 WIDENING

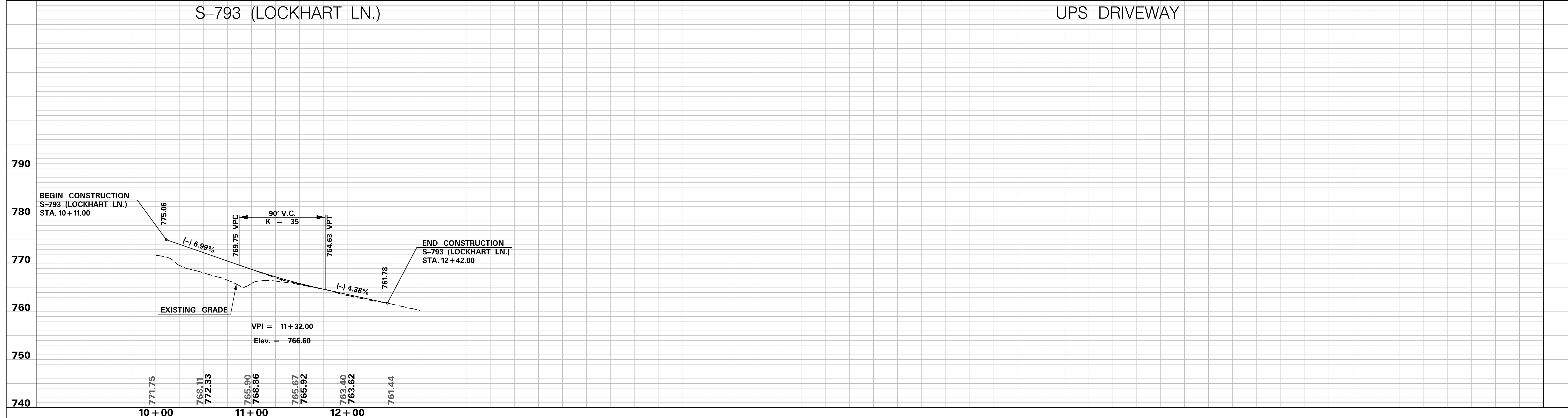
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EXIT 95 - RAMP B



S-793 (LOCKHART LN.)

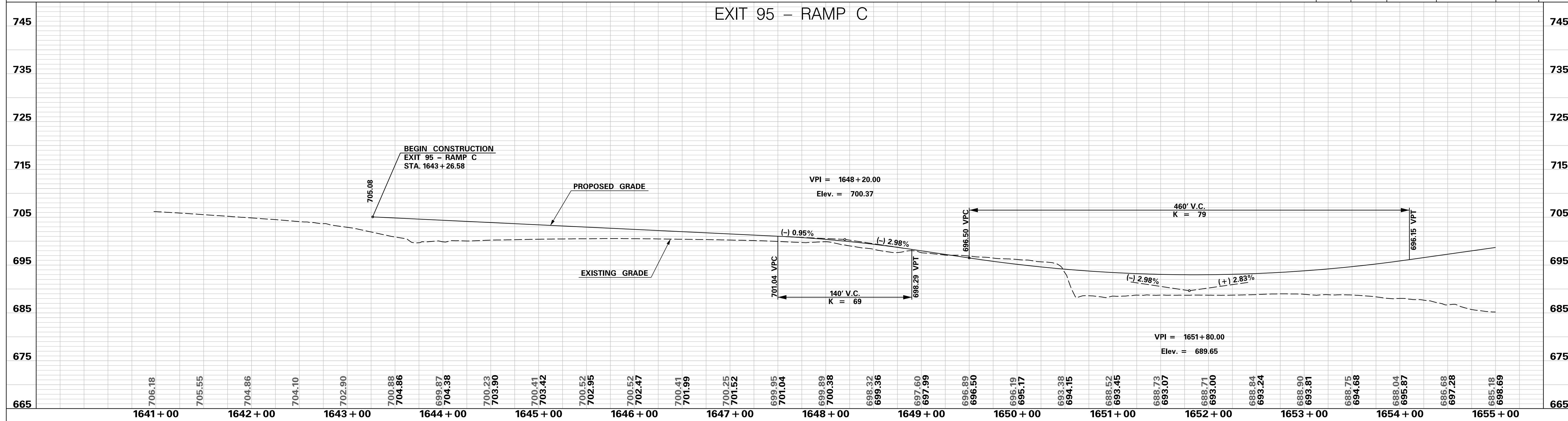
UPS DRIVEWAY



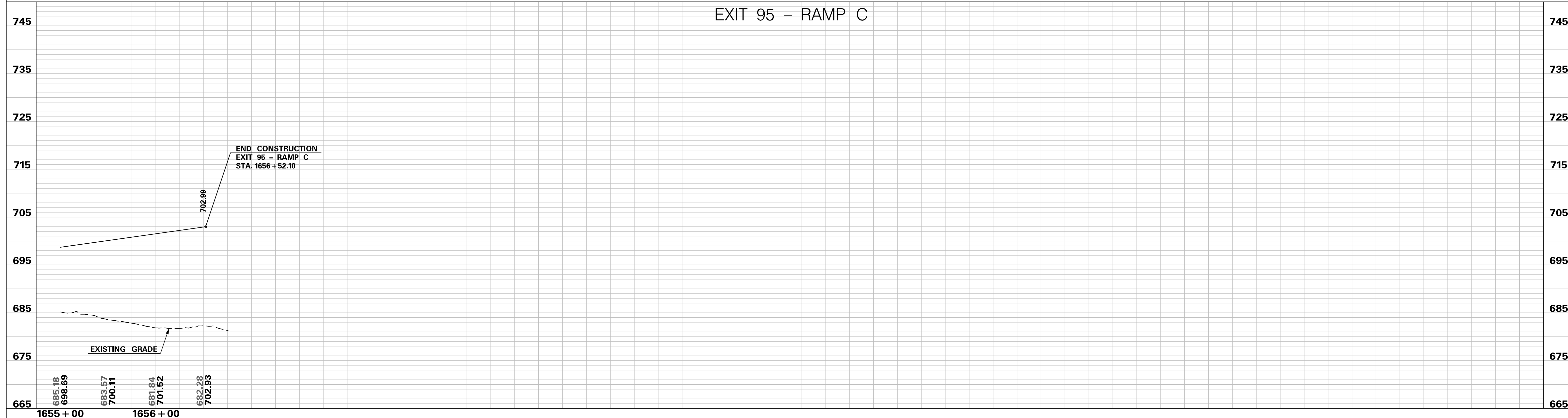
<p>PRELIMINARY NOT FOR CONSTRUCTION</p> <p>SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)</p>	7				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85 PROFILE SHEET INTERSTATE 85 WIDENING
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION		

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 10/24/2017

EXIT 95 - RAMP C



EXIT 95 - RAMP C



PRELIMINARY NOT FOR CONSTRUCTION	7				
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	4				
	3				
	2				
	1				
SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

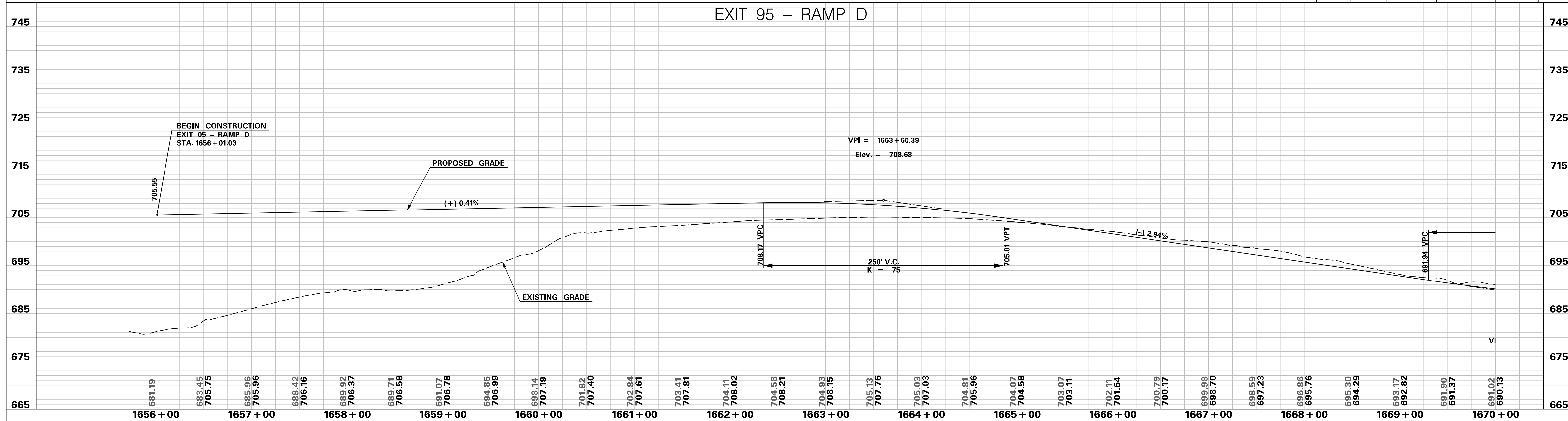
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

PROFILE SHEET

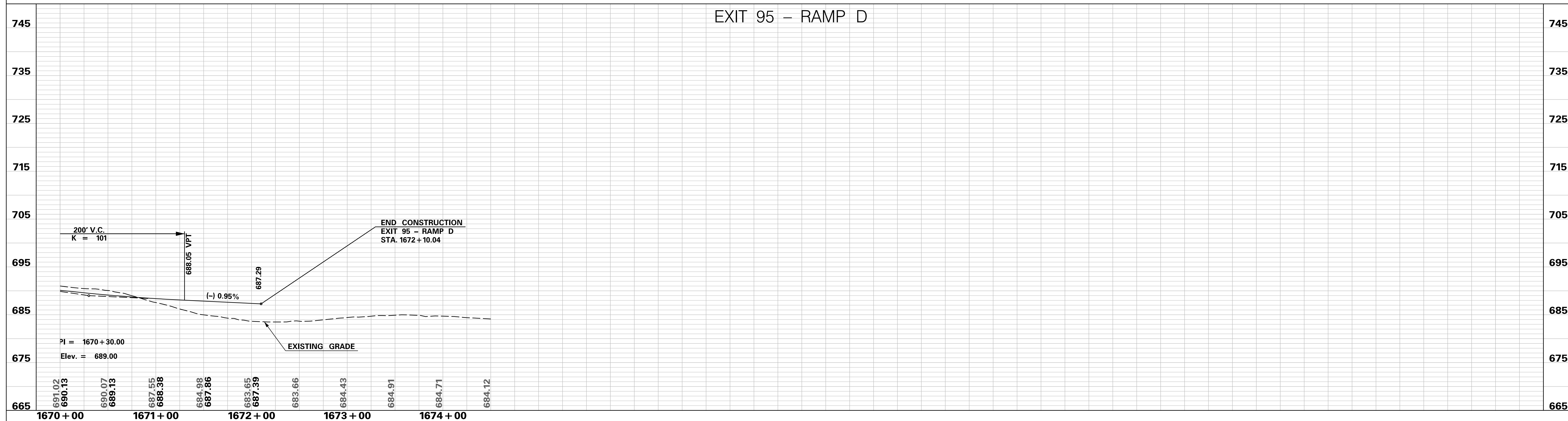
INTERSTATE 85 WIDENING

p:\parrish-pw\Documents\Projects\85 Widening\Design\Roadway\Sheets\Section 4\EXIT95 Profile Sheets.dgn 10/24/2017

EXIT 95 - RAMP D



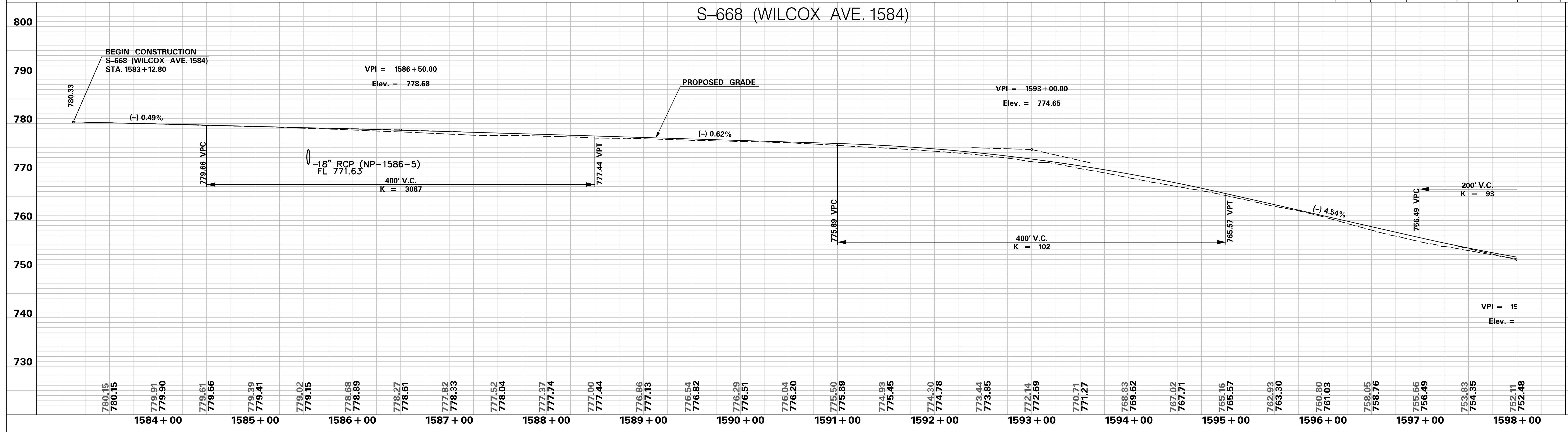
EXIT 95 - RAMP D



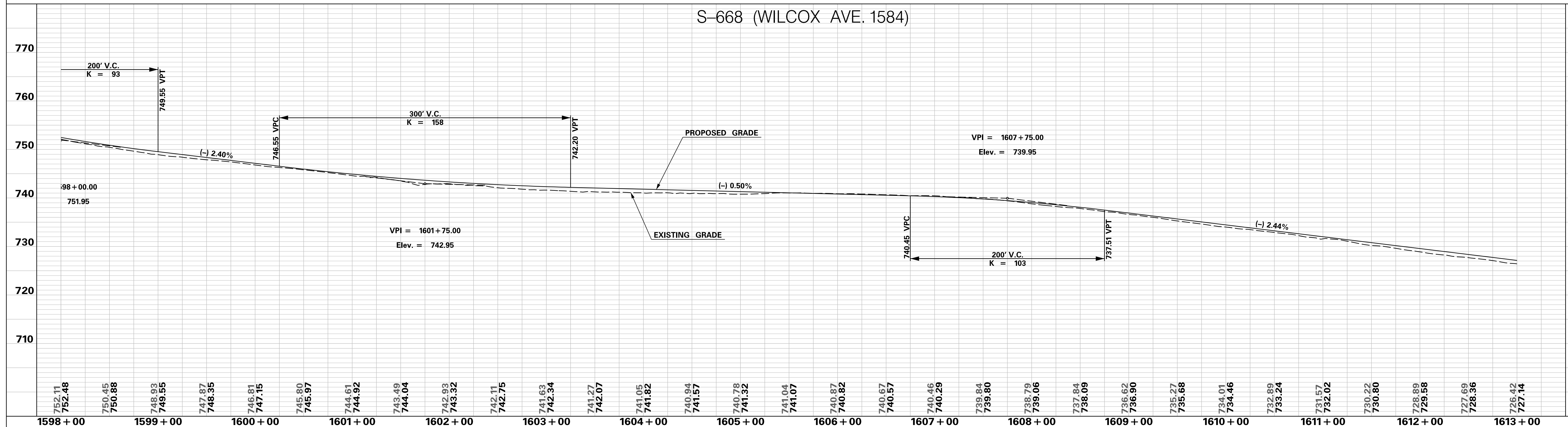
<p>PRELIMINARY NOT FOR CONSTRUCTION</p>	7				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85 PROFILE SHEET INTERSTATE 85 WIDENING
	6				
	5				
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	1				
SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

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 10/24/2017

S-668 (WILCOX AVE. 1584)



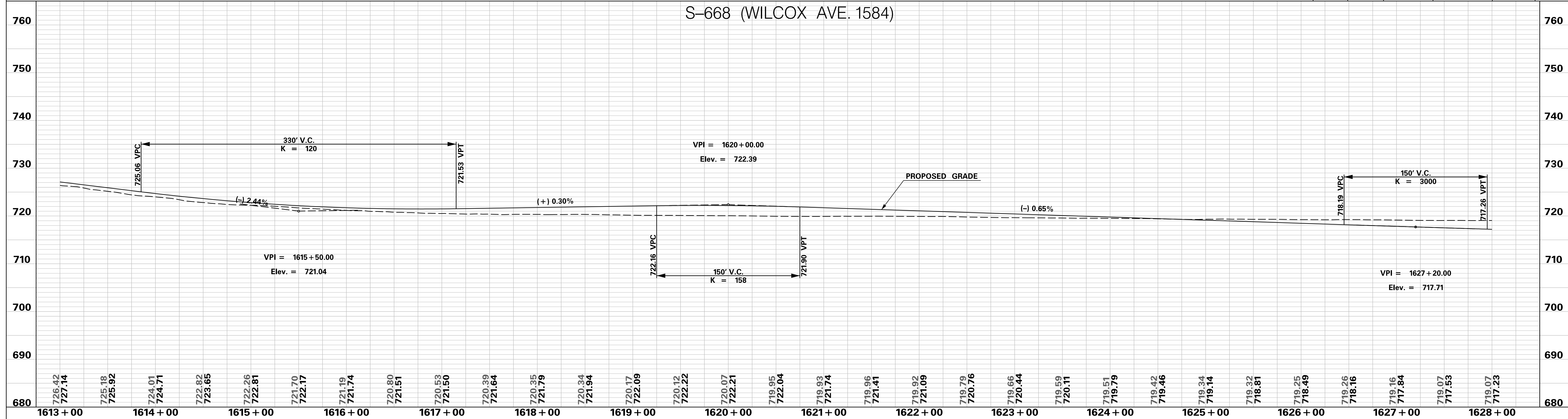
S-668 (WILCOX AVE. 1584)



<p>PRELIMINARY NOT FOR CONSTRUCTION</p>	7				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85 PROFILE SHEET INTERSTATE 85 WIDENING
	6				
	5				
	4				
	3				
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	1				
SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

p:\parrish-pw\Documents\Projects\I-85 Widening\Design\Roadway\Sheets\PreliminaryPlans\SECTION 4\EX195 Profile Sheets.dgn
 10/24/2017

S-668 (WILCOX AVE. 1584)



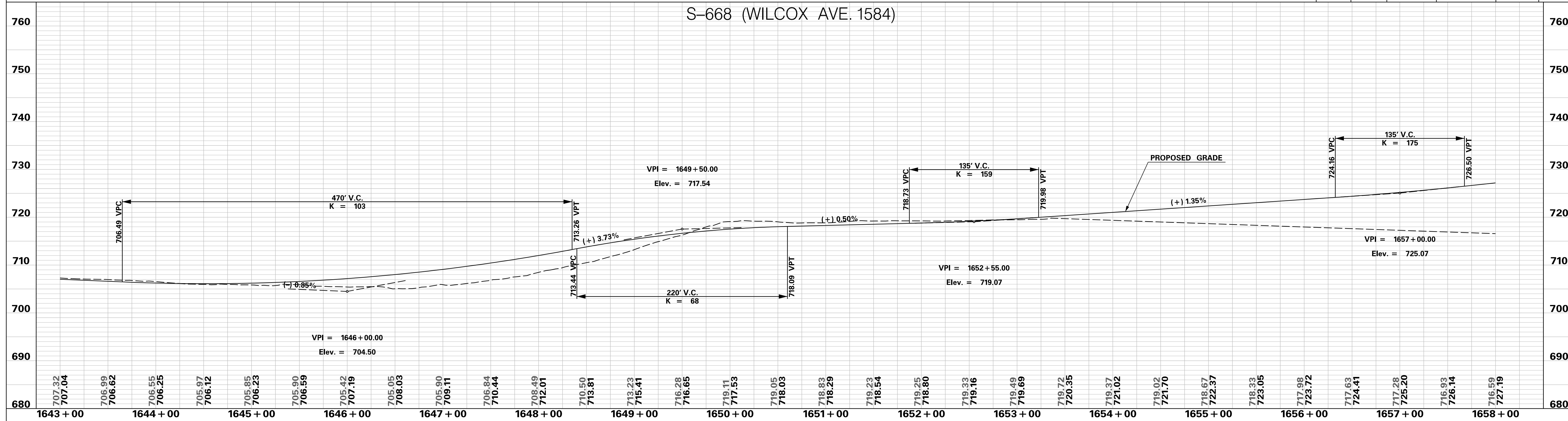
S-668 (WILCOX AVE. 1584)



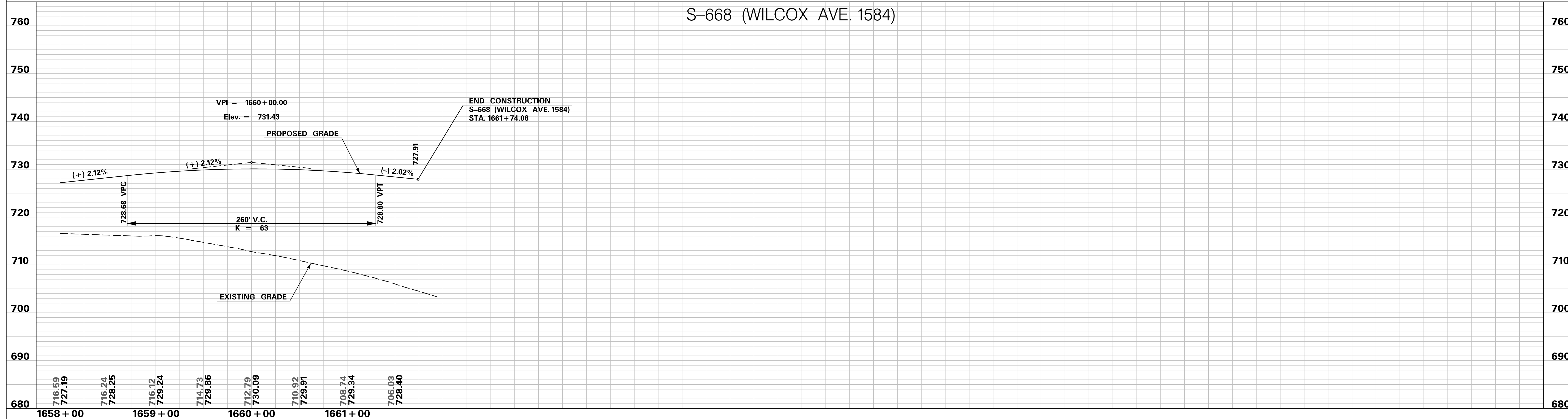
PRELIMINARY NOT FOR CONSTRUCTION	7				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85 PROFILE SHEET INTERSTATE 85 WIDENING
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	1				
SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

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S-668 (WILCOX AVE. 1584)



S-668 (WILCOX AVE. 1584)

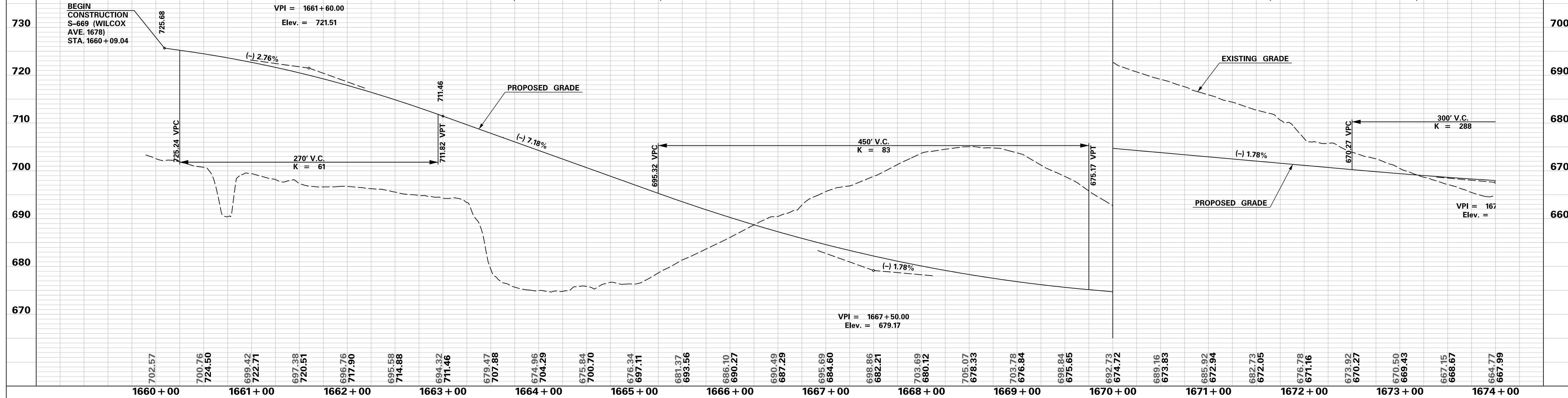


<p>PRELIMINARY NOT FOR CONSTRUCTION</p>	7				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85 PROFILE SHEET INTERSTATE 85 WIDENING
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	SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)	REV. NO.	BY	DATE	DESCRIPTION OF REVISION

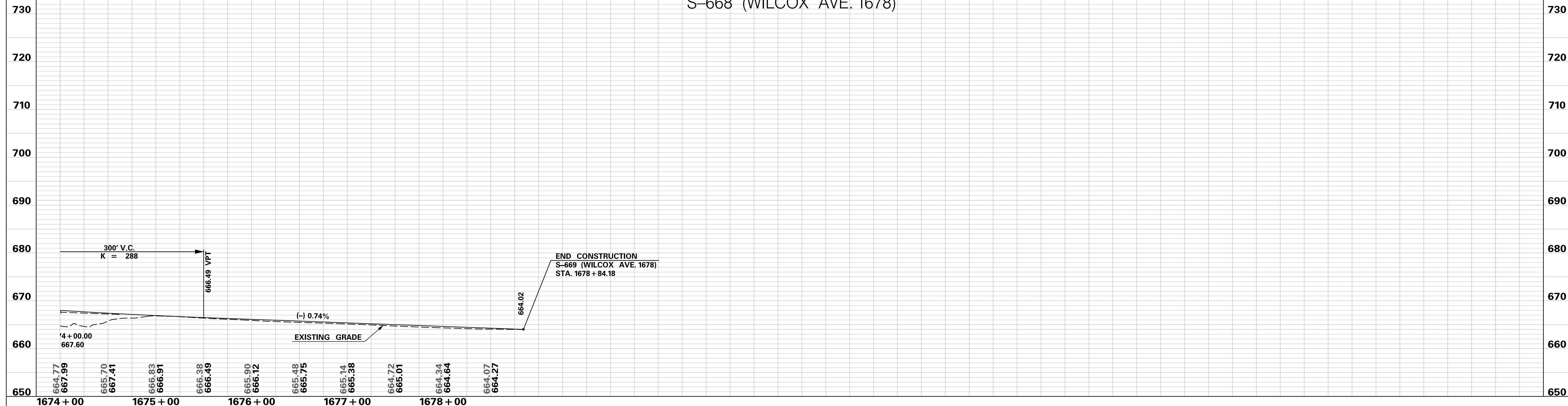
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 10/24/2017

S-668 (WILCOX AVE. 1678)

S-668 (WILCOX AVE. 1678)



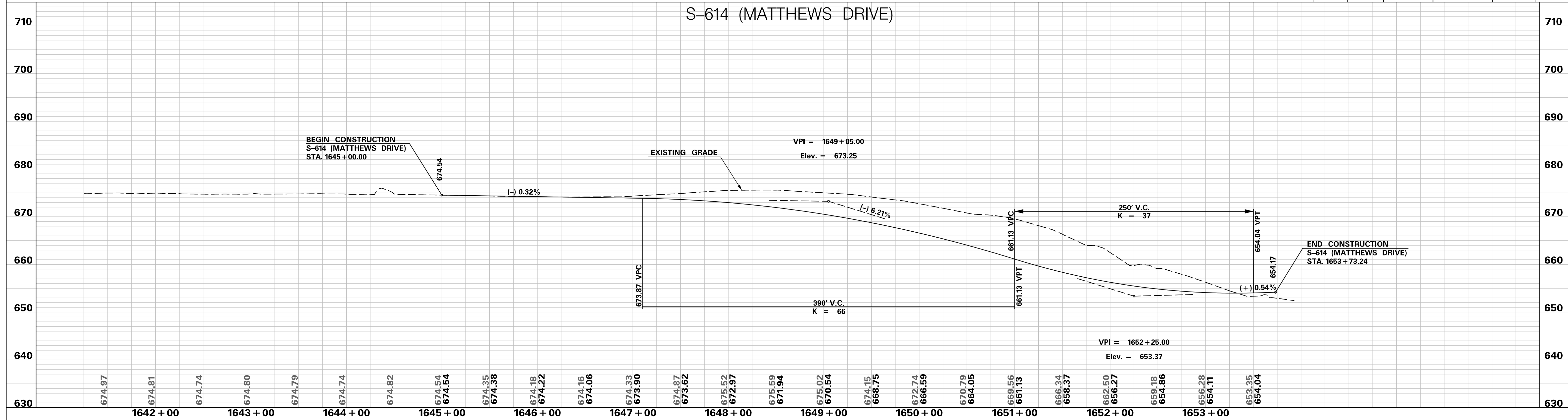
S-668 (WILCOX AVE. 1678)



<p>PRELIMINARY NOT FOR CONSTRUCTION</p>	7				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85 PROFILE SHEET INTERSTATE 85 WIDENING
	6				
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SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

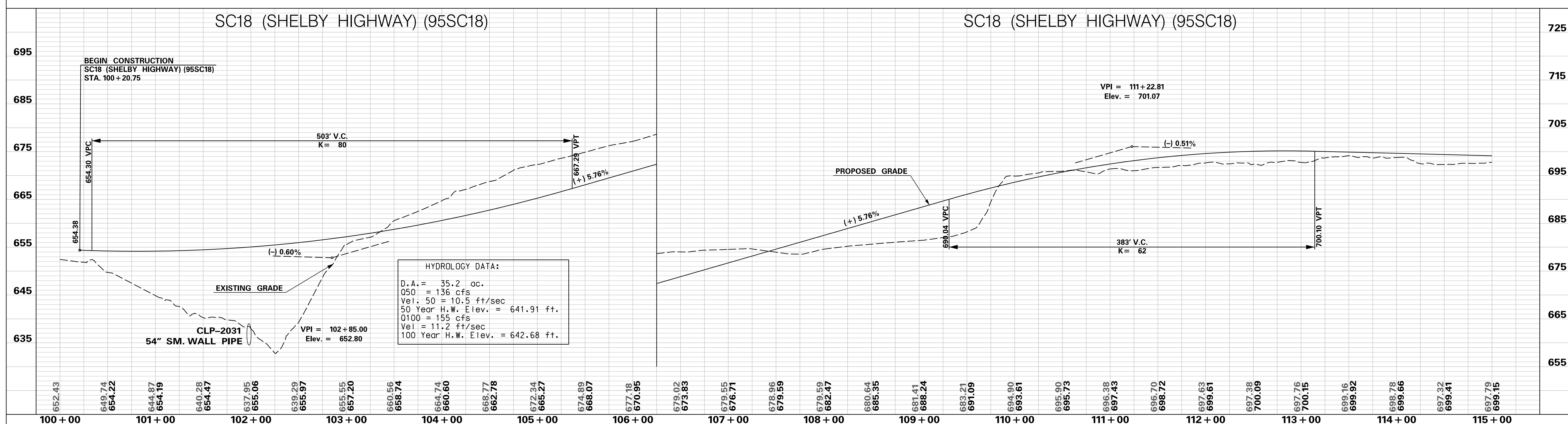
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 10/24/2017

S-614 (MATTHEWS DRIVE)



SC18 (SHELBY HIGHWAY) (95SC18)

SC18 (SHELBY HIGHWAY) (95SC18)



**PRELIMINARY
NOT FOR CONSTRUCTION**

SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)

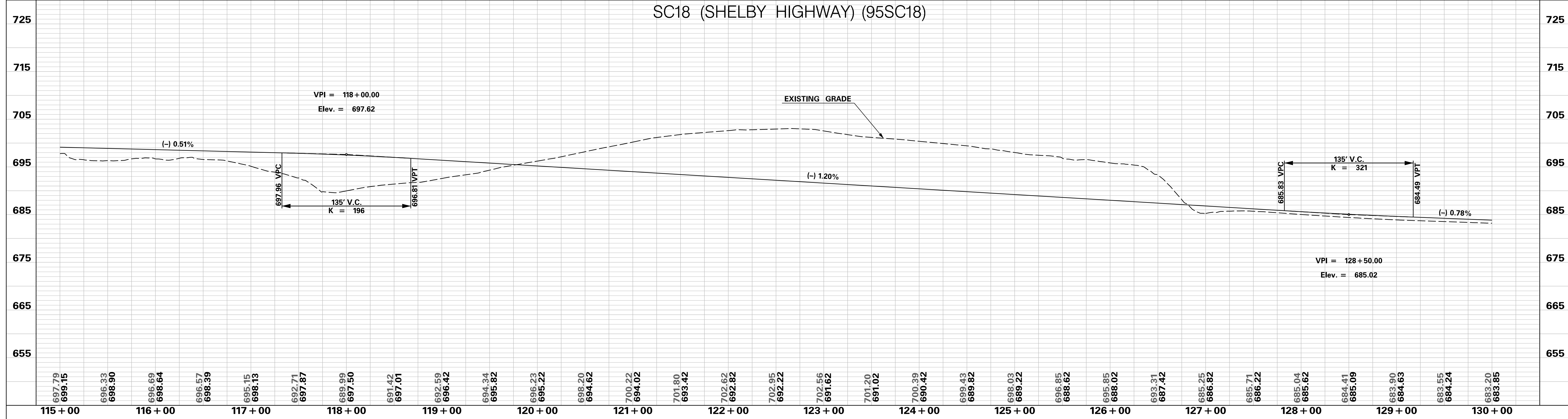
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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

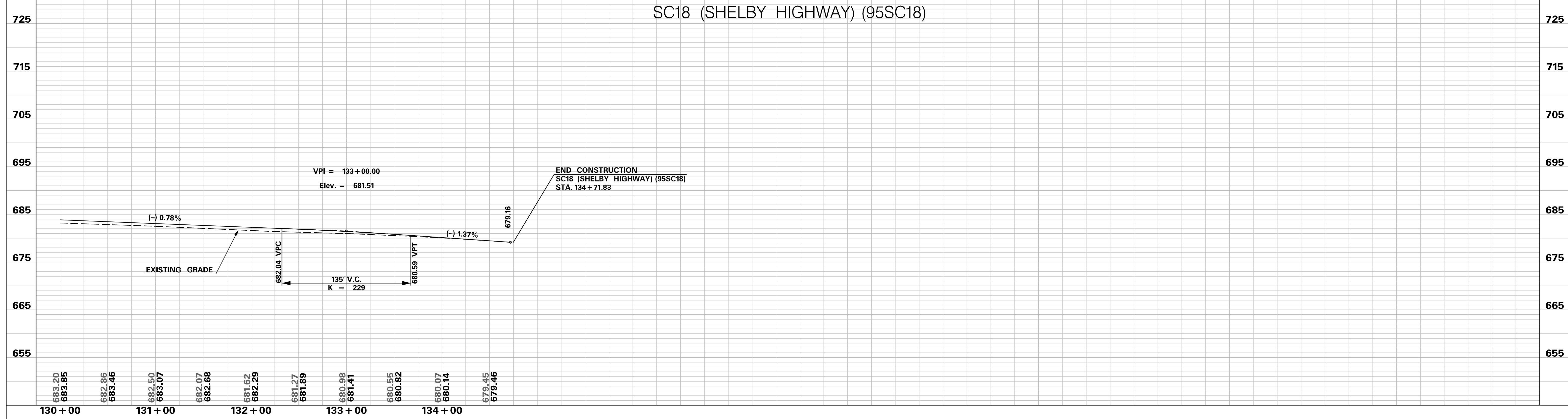
PROFILE SHEET

INTERSTATE 85 WIDENING

SC18 (SHELBY HIGHWAY) (95SC18)



SC18 (SHELBY HIGHWAY) (95SC18)

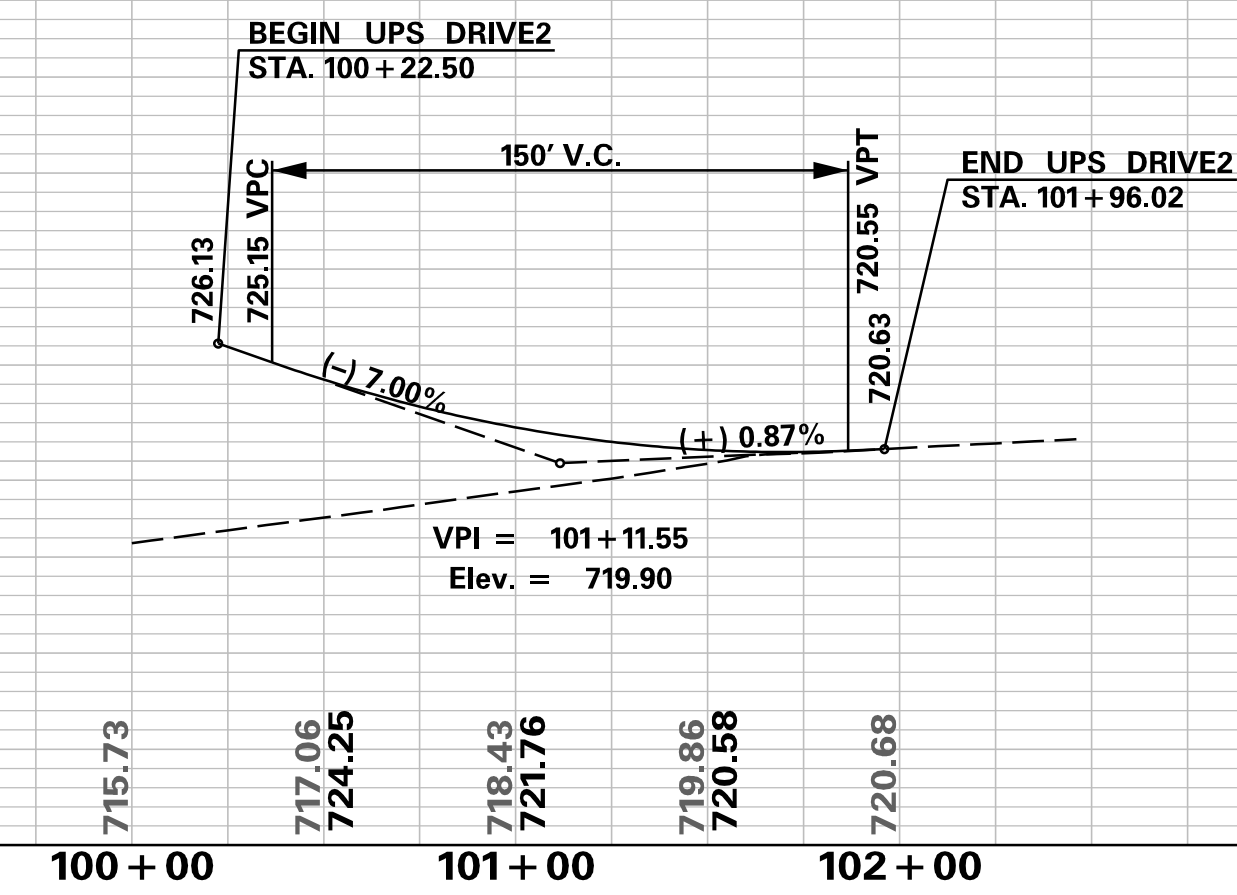
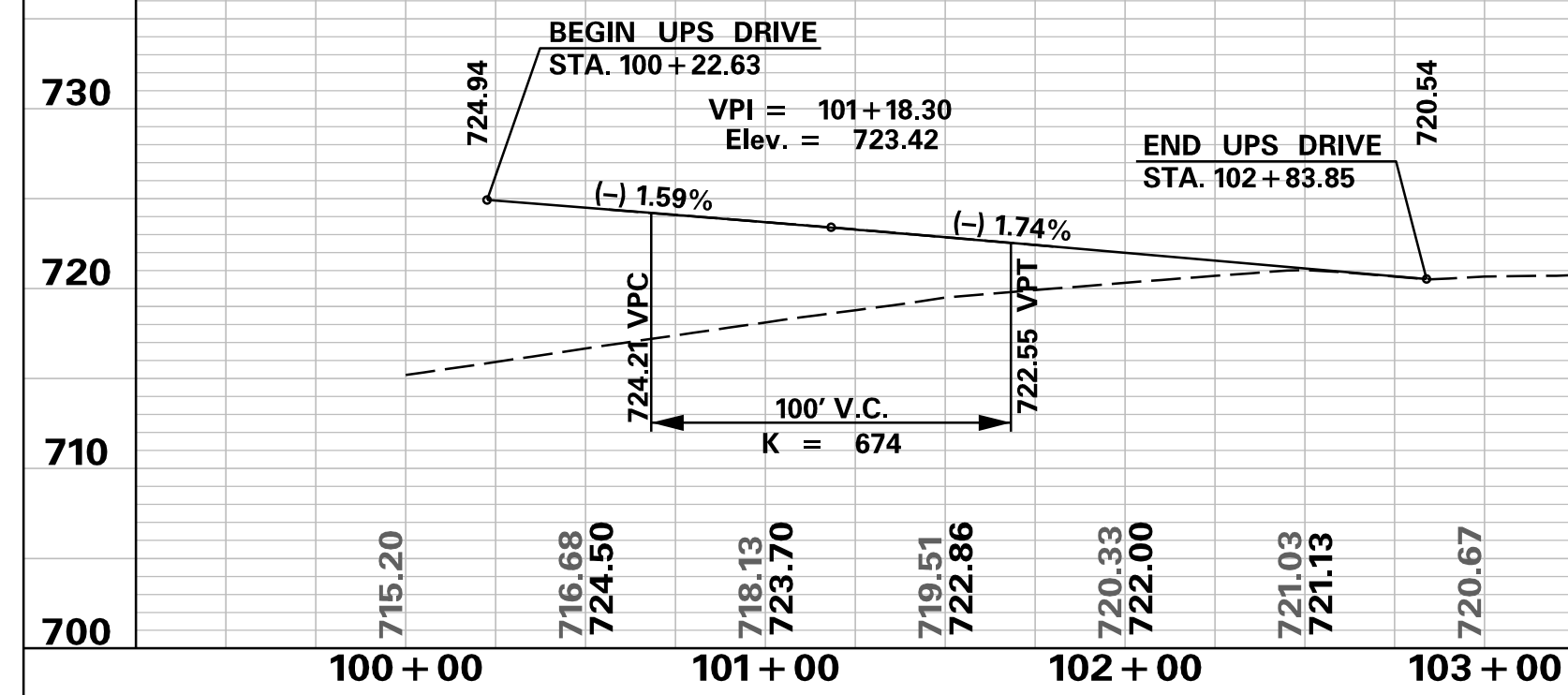


<p>PRELIMINARY NOT FOR CONSTRUCTION</p>	7				<p>SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85</p> <p>PROFILE SHEET</p> <p>INTERSTATE 85 WIDENING</p>
	6				
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SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)		REV. NO.	BY	DATE	DESCRIPTION OF REVISION

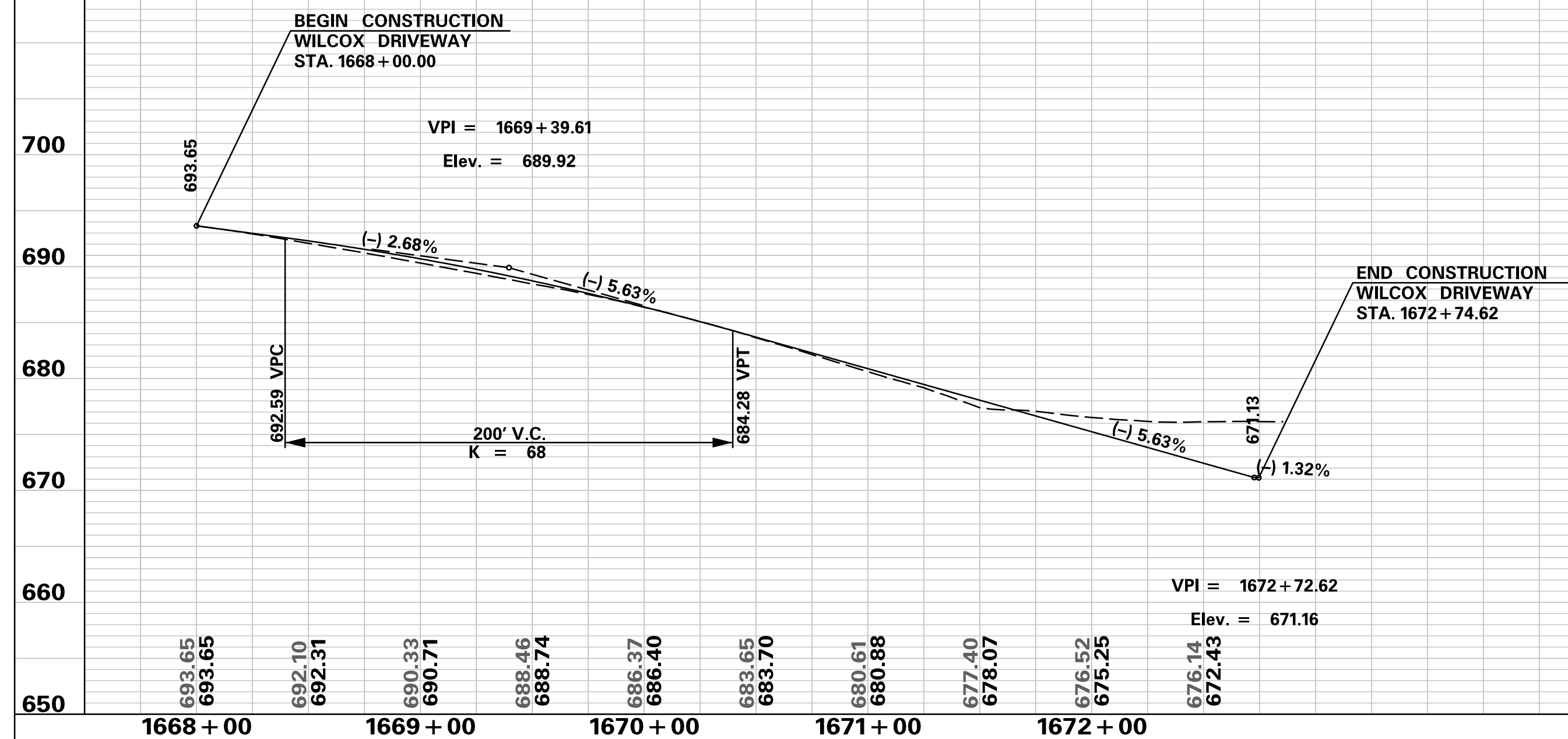
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 10/24/2017

UPS DRIVEWAY

UPS DRIVEWAY 2



WILCOX DRIVEWAY

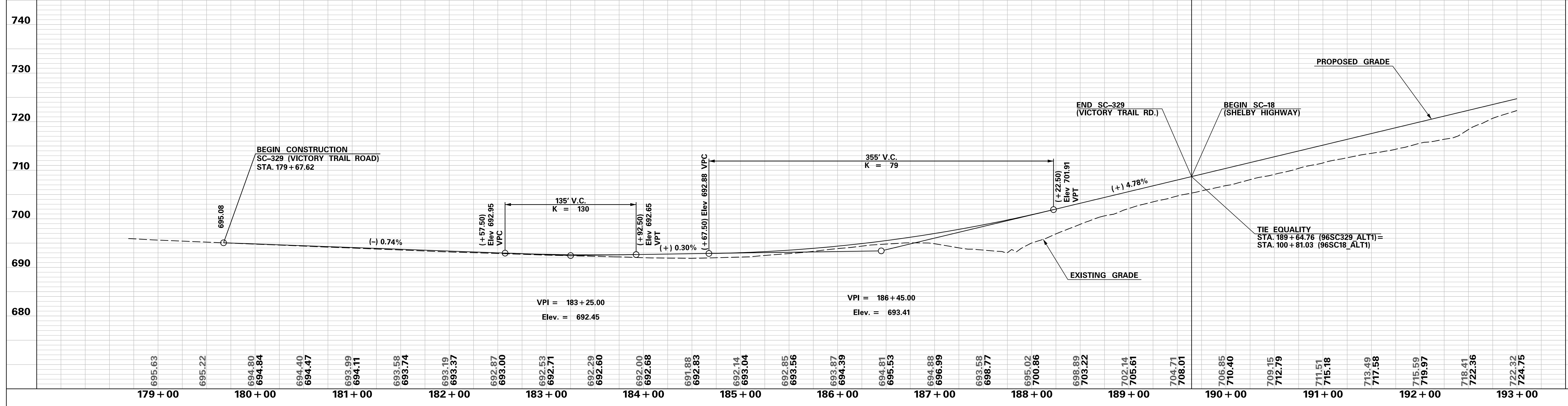


<p>PRELIMINARY NOT FOR CONSTRUCTION</p>	7				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85 PROFILE SHEET INTERSTATE 85 WIDENING
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SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)					REV. NO. BY DATE DESCRIPTION OF REVISION

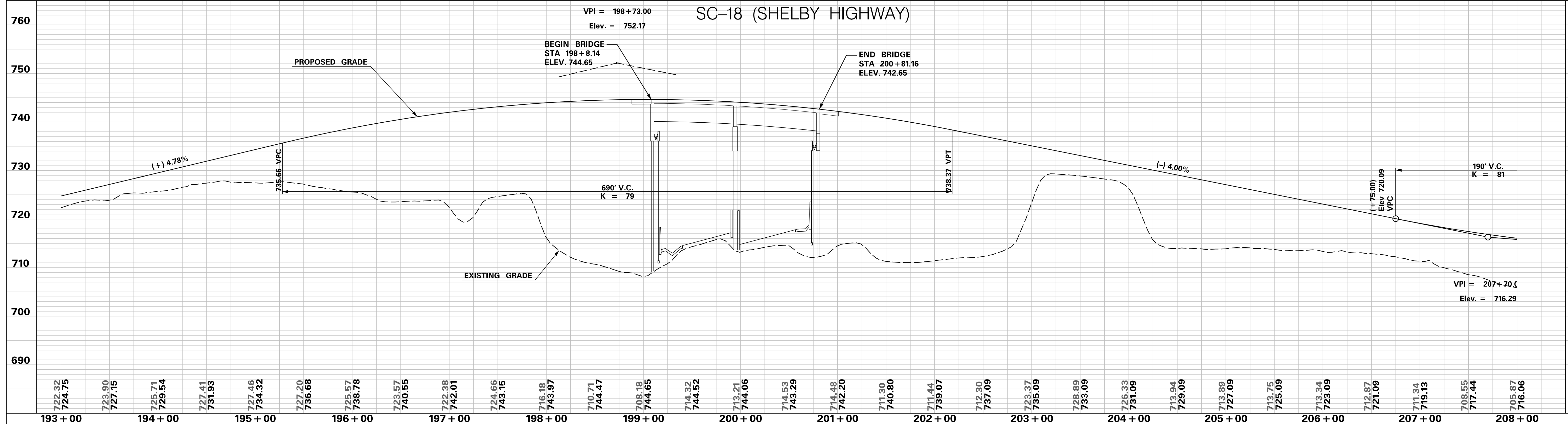
p:\parrish-pw\Documents\Projects\I-85 Widening\Design\Roadway\Sheets\PreliminaryPlans\SECTION 4\EXIT95 Profile Sheets.dgn 10/24/2017

SC-329 (VICTORY TRAIL ROAD)

SC-18 (SHELBY HIGHWAY)



SC-18 (SHELBY HIGHWAY)



**PRELIMINARY
NOT FOR CONSTRUCTION**

SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

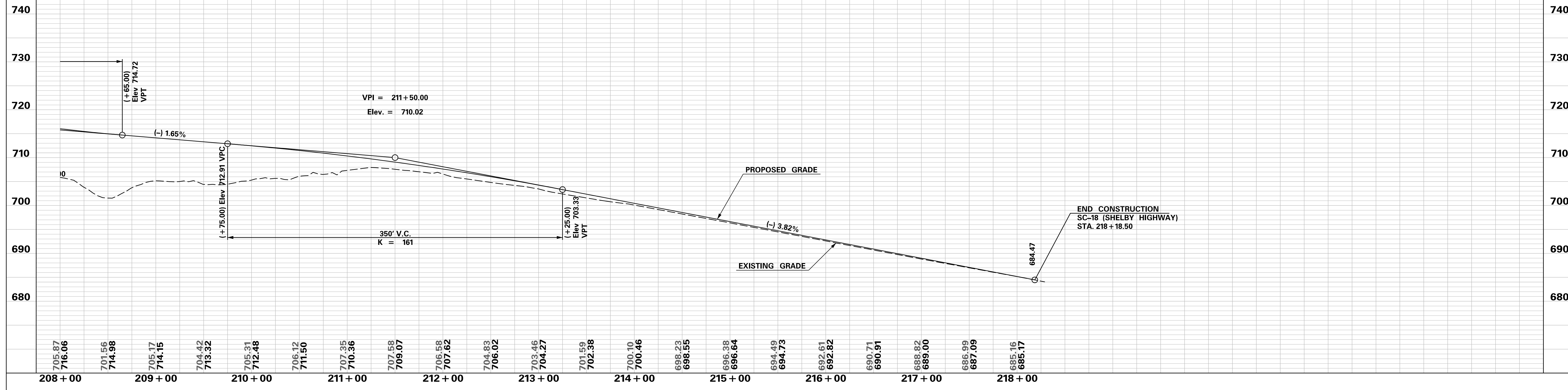
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

PROFILE SHEET

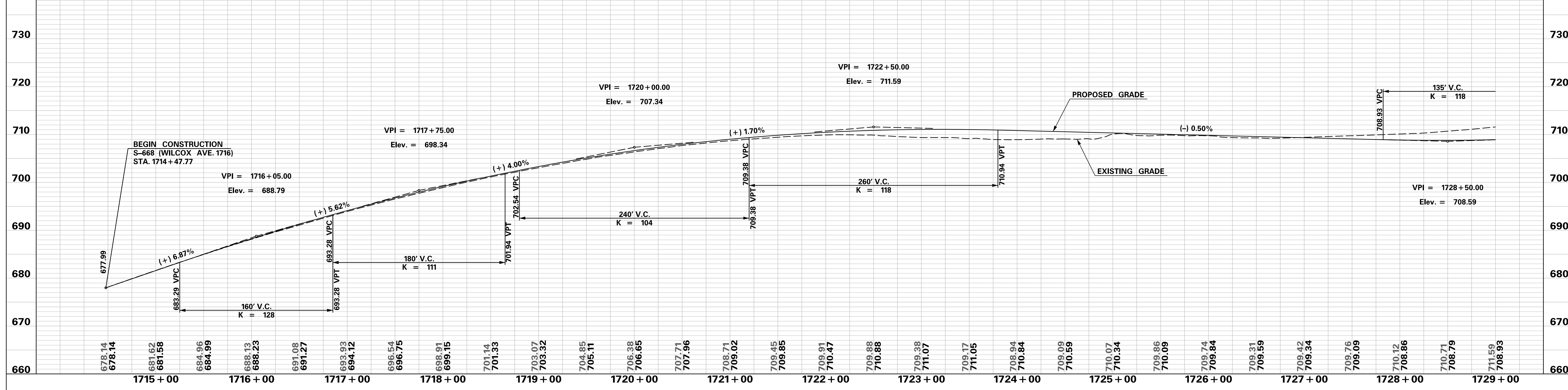
INTERSTATE 85 WIDENING

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SC-18 (SHELBY HIGHWAY)



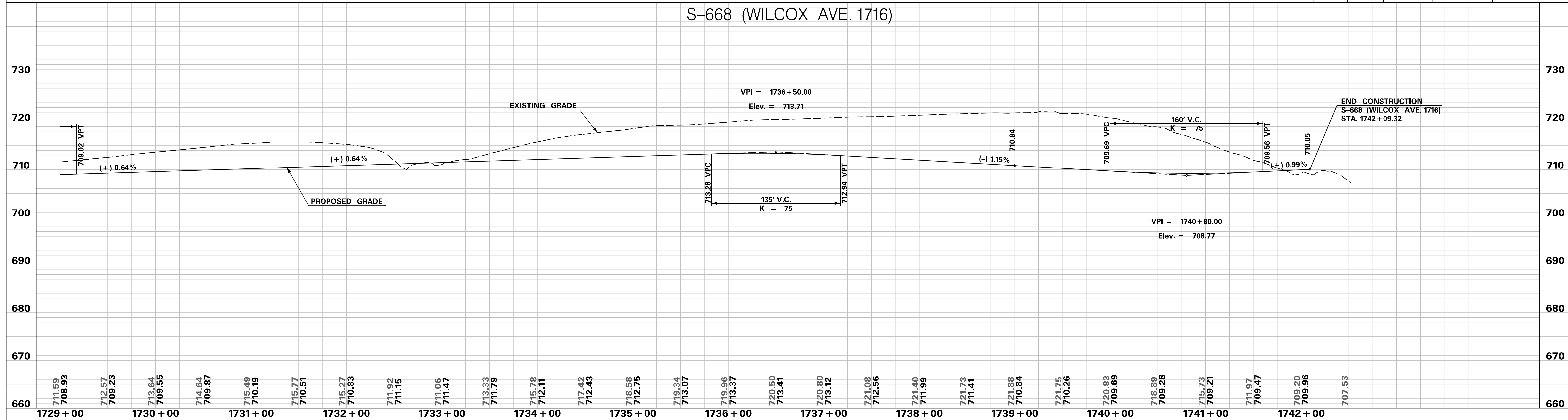
S-668 (WILCOX AVE. 1716)



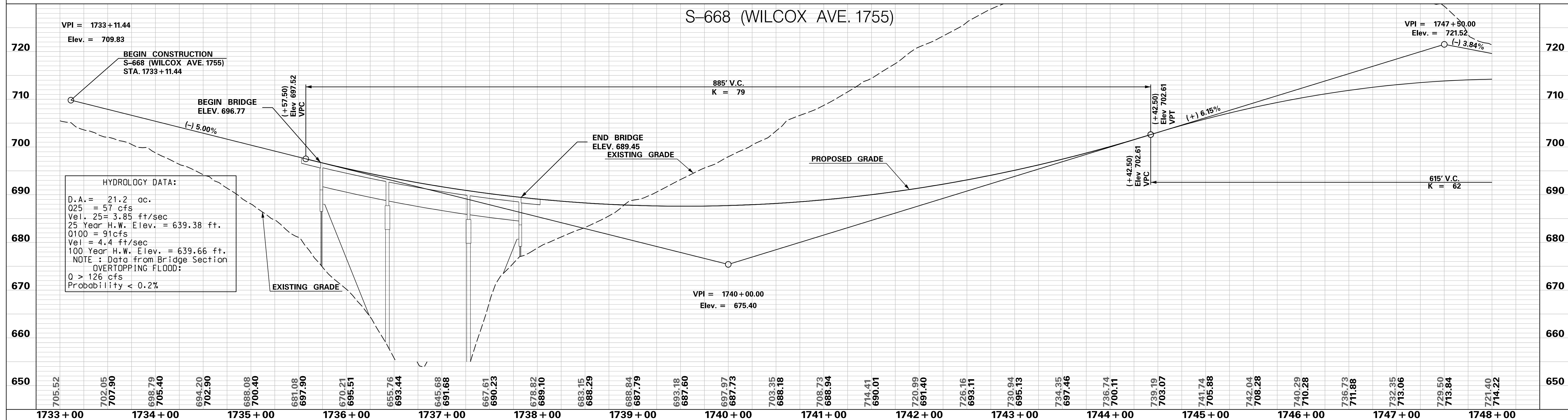
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	1				
SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

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 10/24/2017

S-668 (WILCOX AVE. 1716)



S-668 (WILCOX AVE. 1755)



**PRELIMINARY
NOT FOR CONSTRUCTION**

SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
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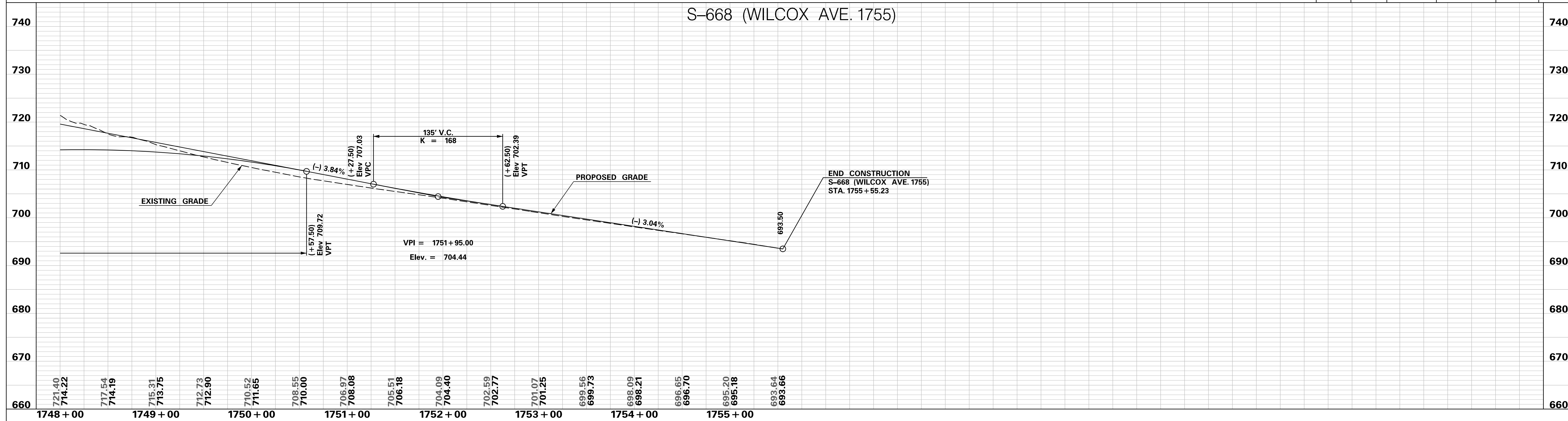
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

PROFILE SHEET

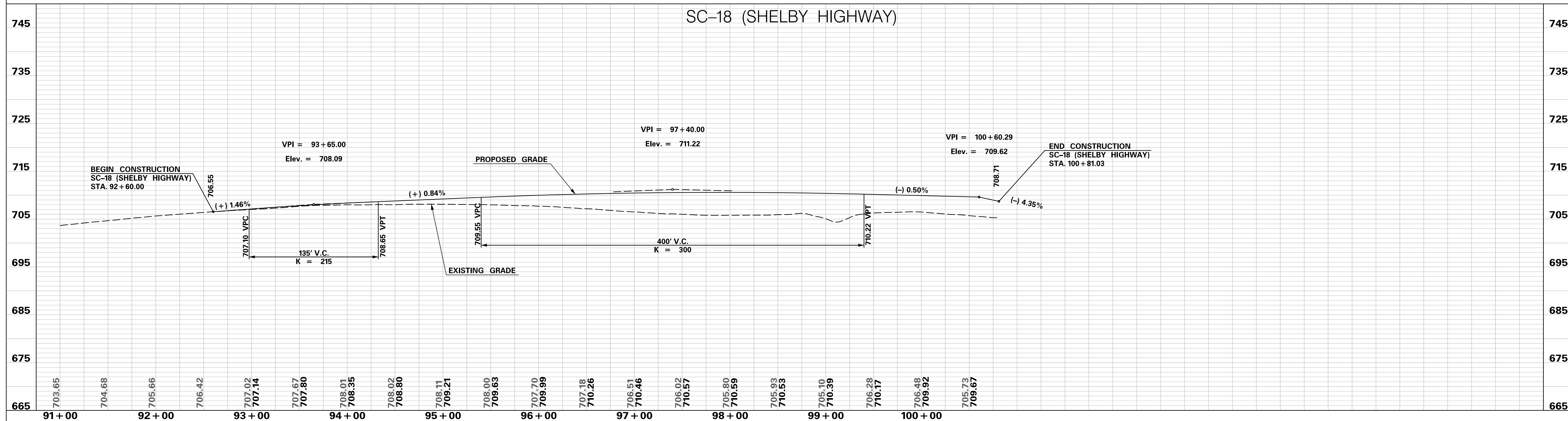
INTERSTATE 85 WIDENING

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S-668 (WILCOX AVE. 1755)



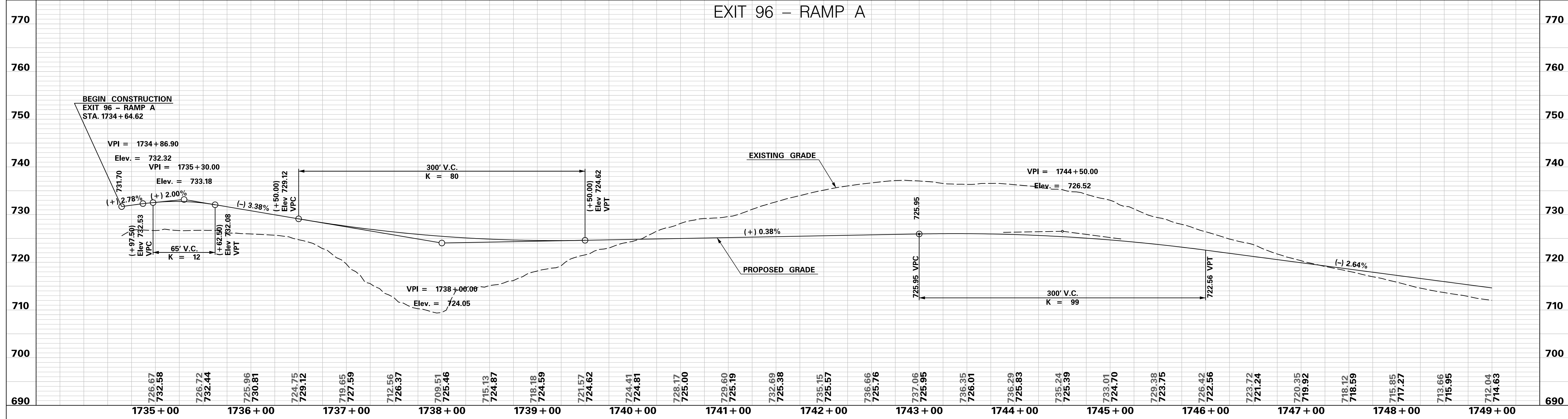
SC-18 (SHELBY HIGHWAY)



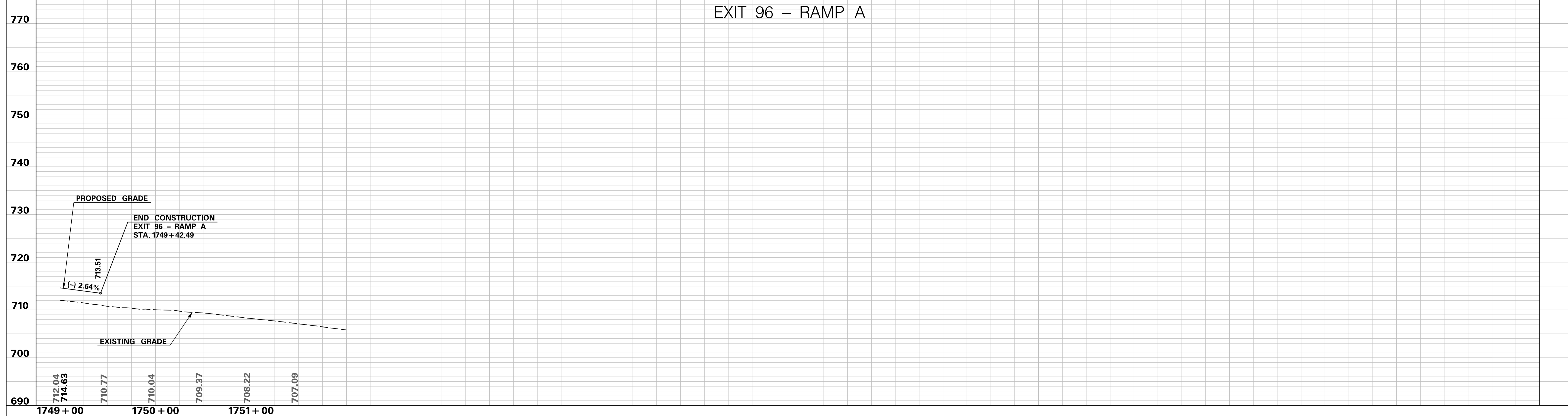
<p>PRELIMINARY NOT FOR CONSTRUCTION</p>	7				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85 PROFILE SHEET INTERSTATE 85 WIDENING
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SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

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 10/24/2017

EXIT 96 – RAMP A



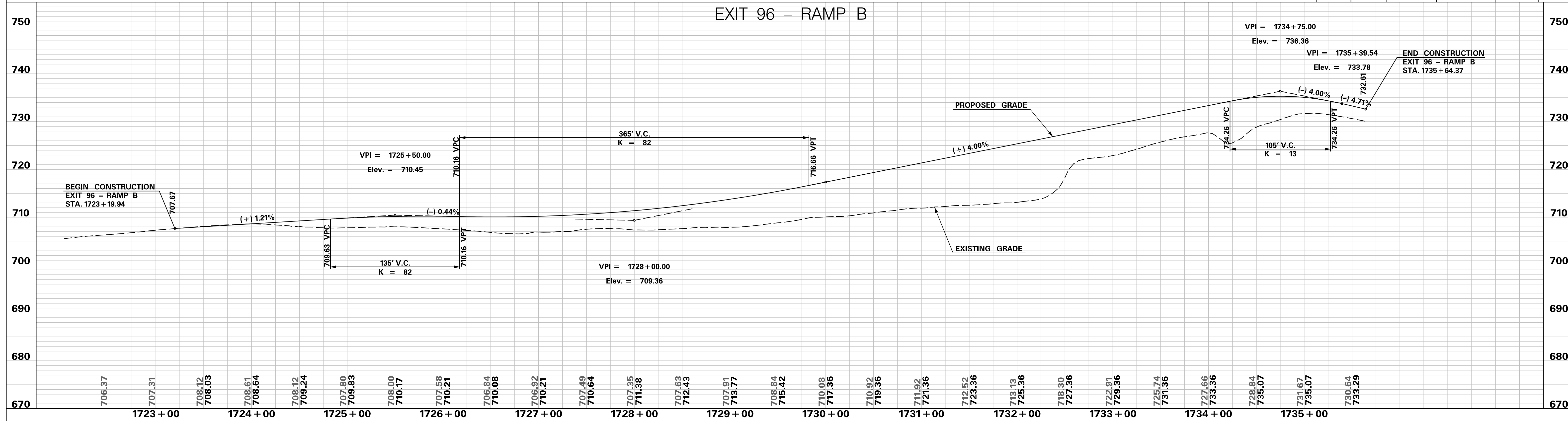
EXIT 96 – RAMP A



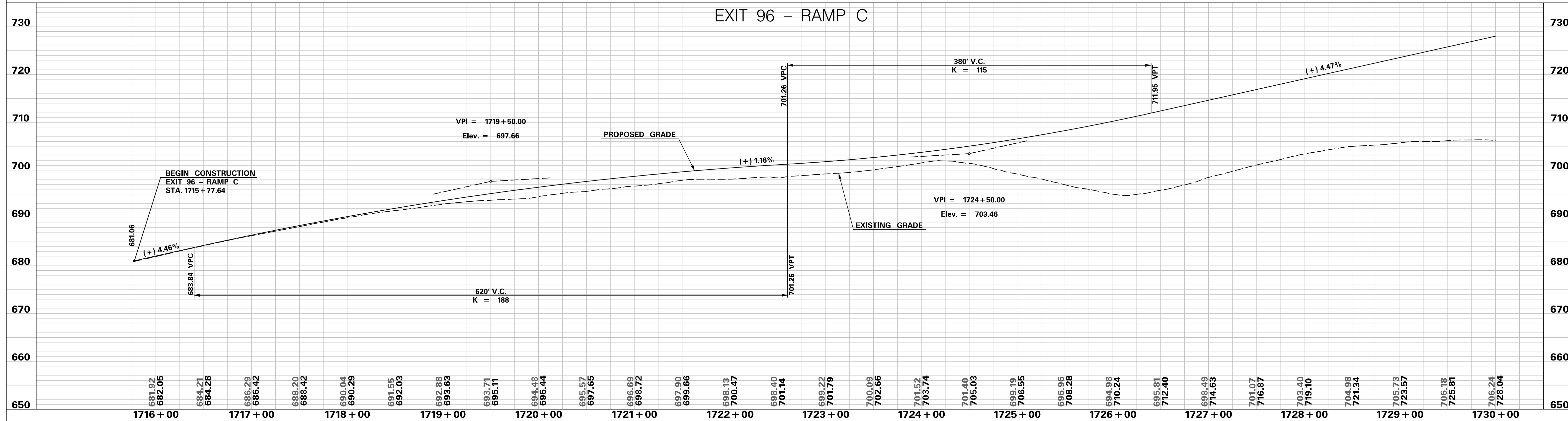
PRELIMINARY NOT FOR CONSTRUCTION	7				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85 PROFILE SHEET INTERSTATE 85 WIDENING
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SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)		REV. NO.	BY	DATE	DESCRIPTION OF REVISION

p:\parrish-pw\Documents\Projects\1-85 Widening\Design\Roadway\Sheets\PreliminaryPlans\SECTION 4\EXIT96 Profile Sheets.dgn 10/24/2017

EXIT 96 - RAMP B



EXIT 96 - RAMP C



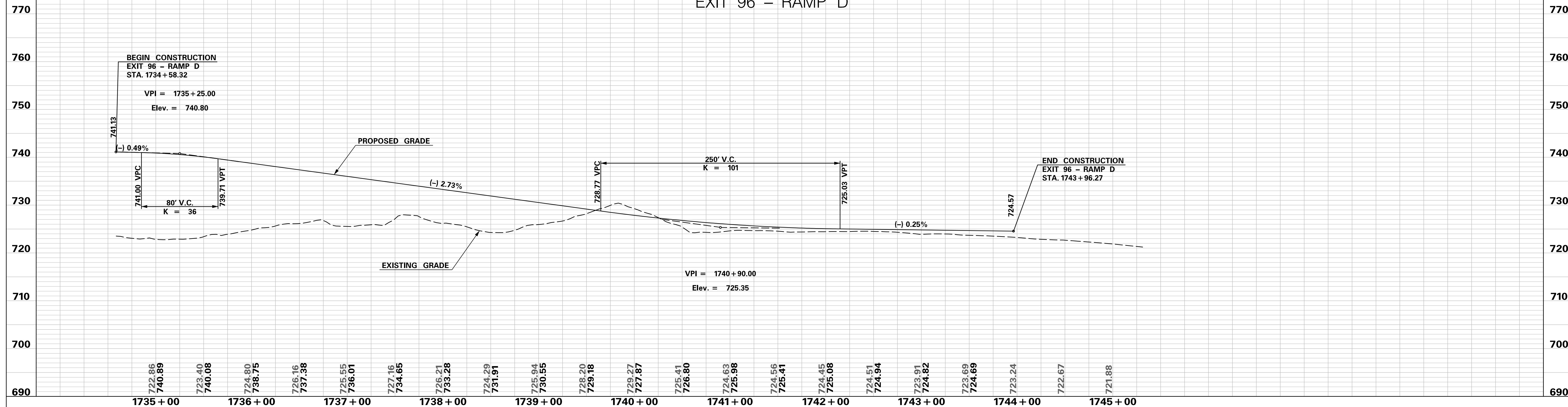
PRELIMINARY NOT FOR CONSTRUCTION	7				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85	
	6					PROFILE SHEET
	5					
4				INTERSTATE 85 WIDENING		
3						
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SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)	REV. NO.	BY	DATE	DESCRIPTION OF REVISION		

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EXIT 96 - RAMP C



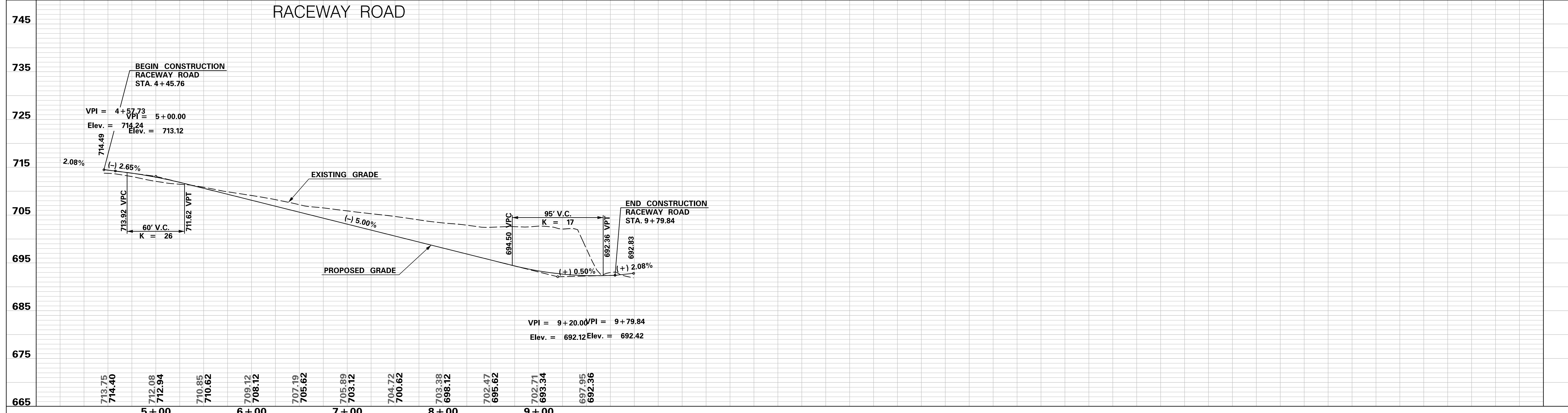
EXIT 96 - RAMP D



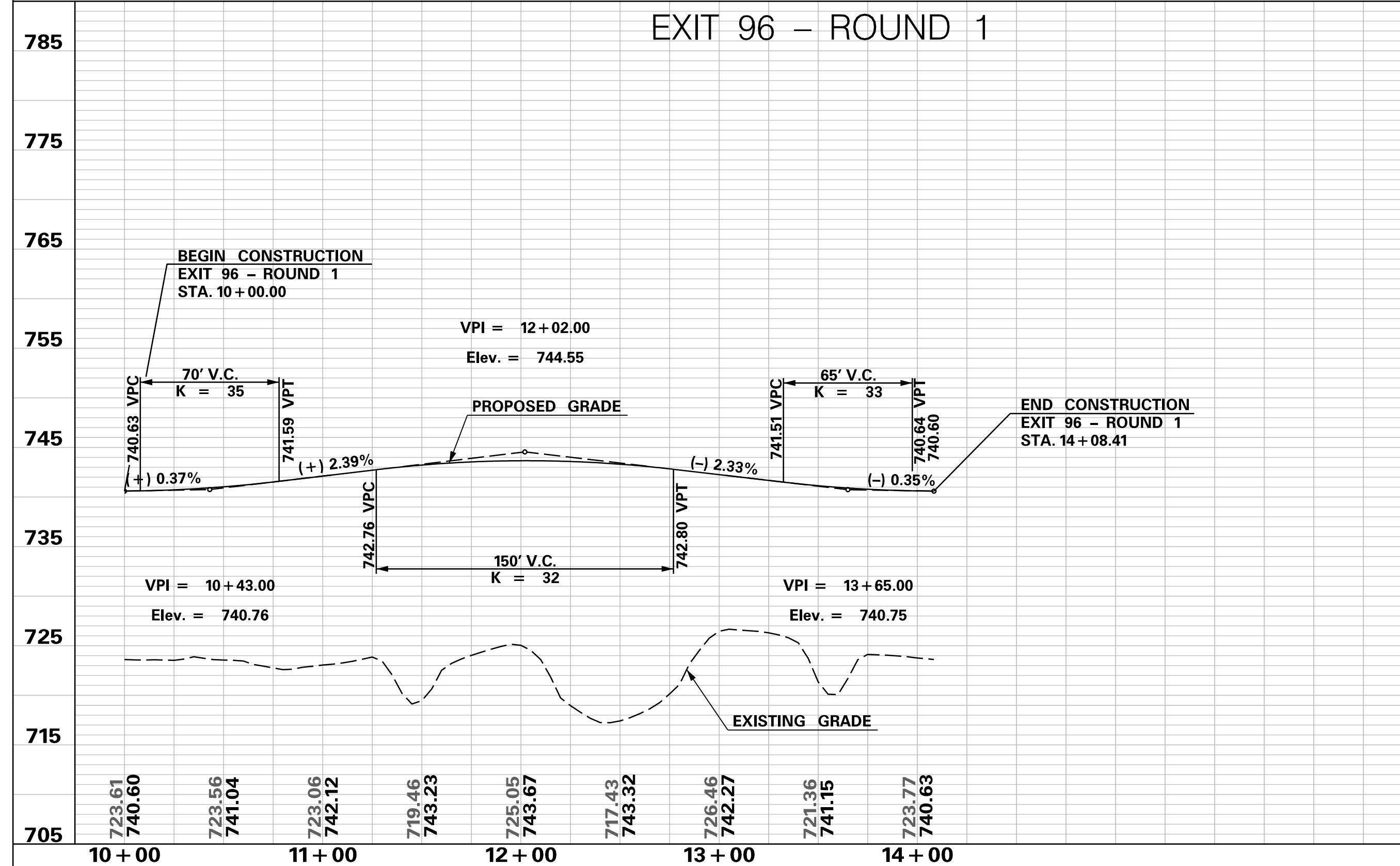
<p>PRELIMINARY NOT FOR CONSTRUCTION</p>	7				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85 PROFILE SHEET INTERSTATE 85 WIDENING
	6				
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SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)		REV. NO.	BY	DATE	DESCRIPTION OF REVISION

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 10/24/2017

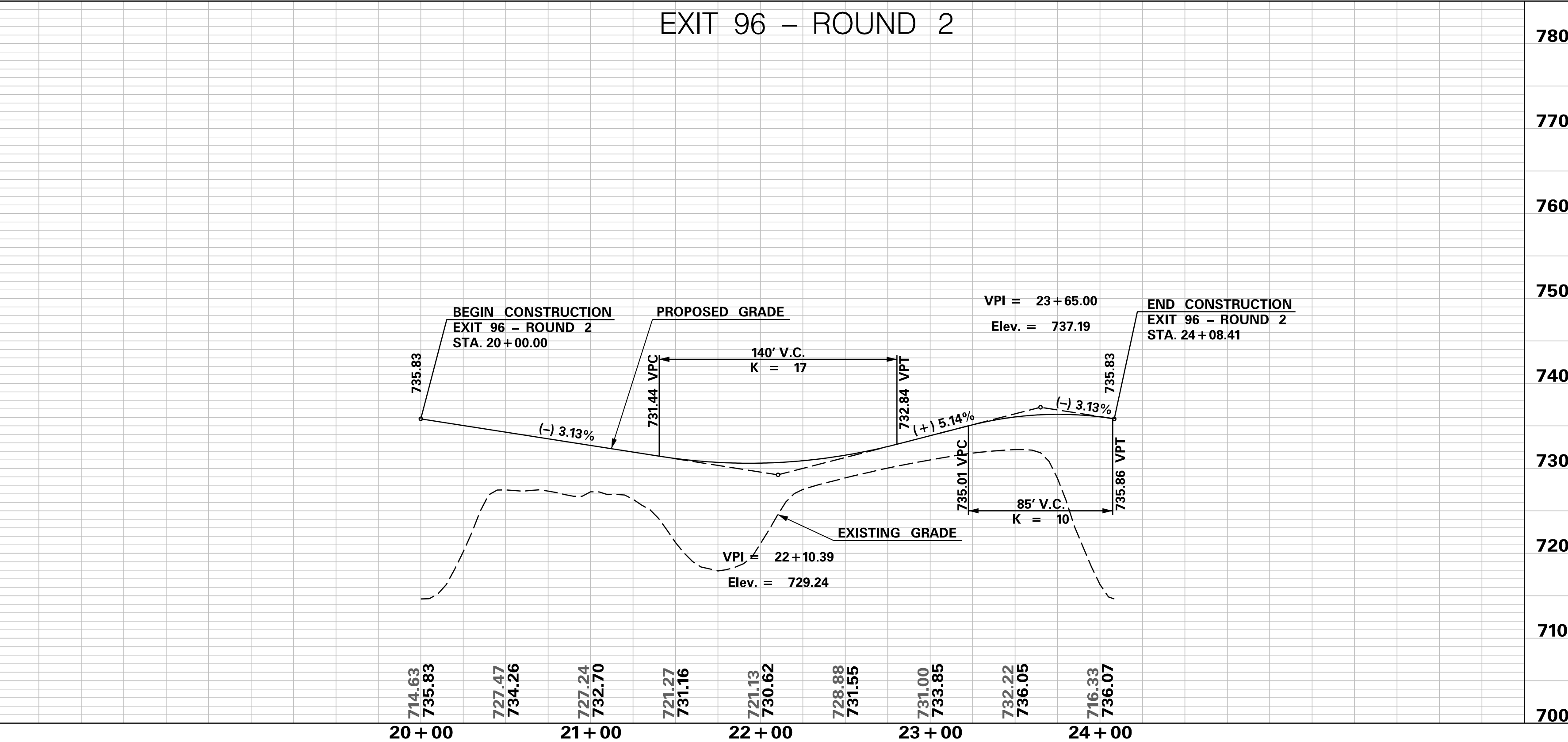
RACEWAY ROAD



EXIT 96 - ROUND 1



EXIT 96 - ROUND 2



<p>PRELIMINARY NOT FOR CONSTRUCTION</p>	7					SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85 PROFILE SHEET INTERSTATE 85 WIDENING
	6					
	5					
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SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)	REV. NO.	BY	DATE	DESCRIPTION OF REVISION		

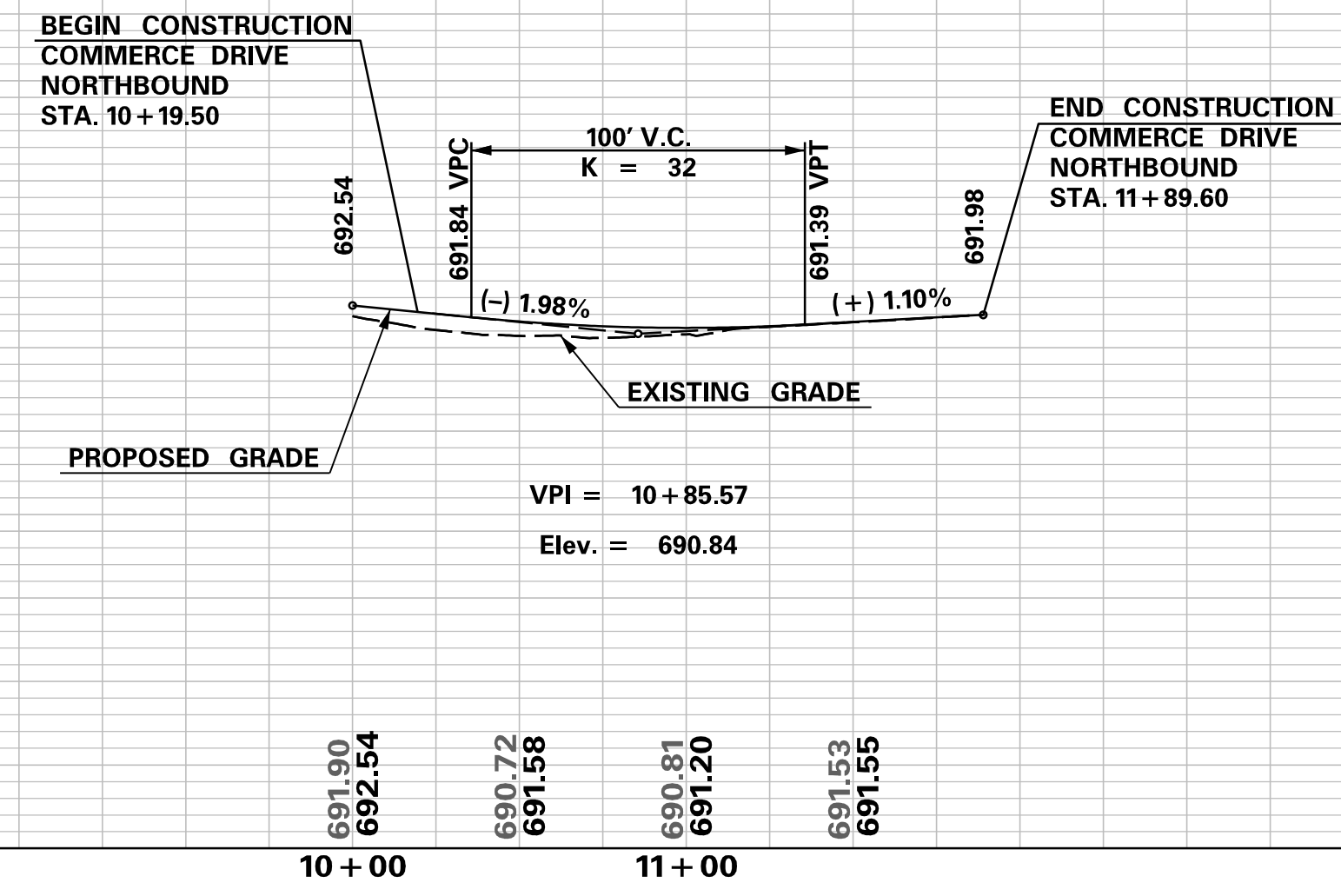
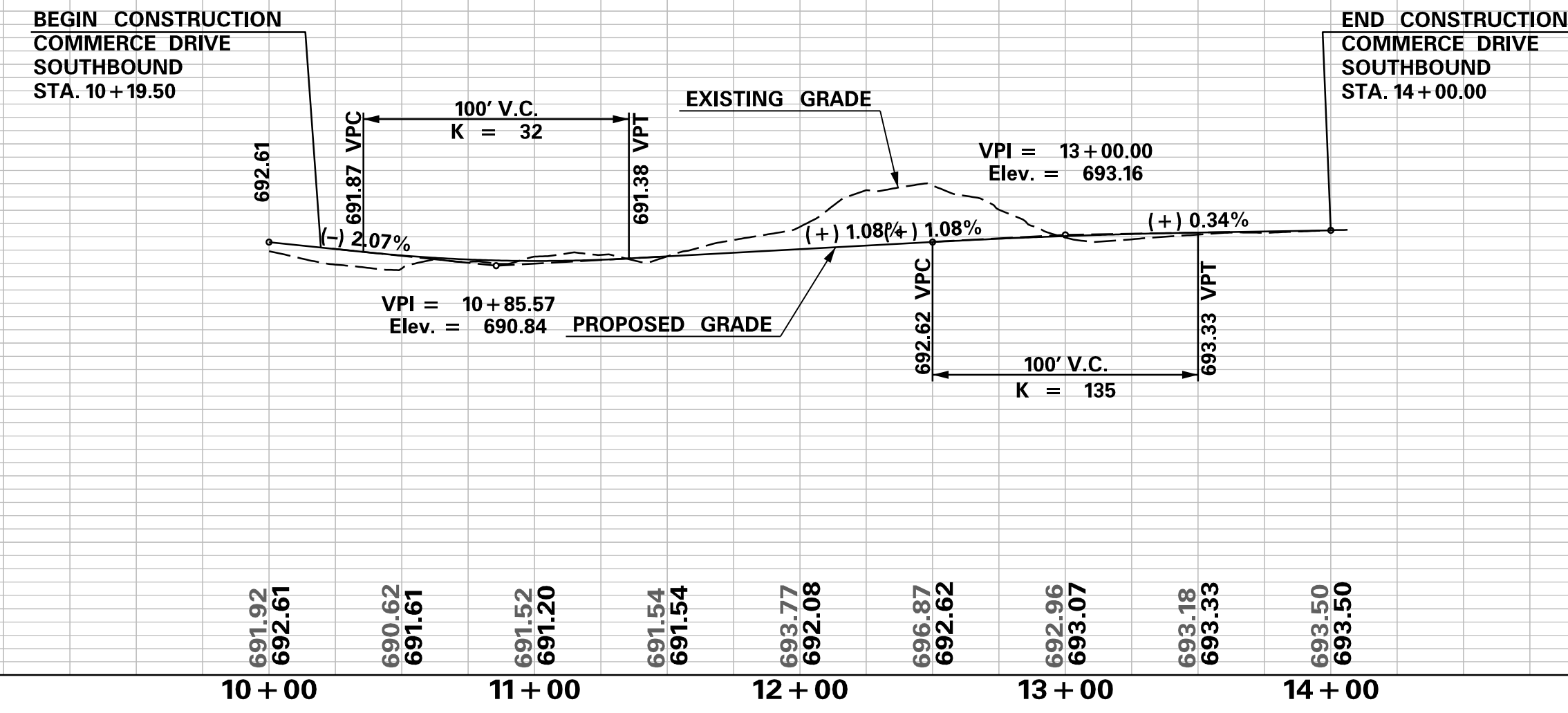
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 10/24/2017

COMMERCE DRIVE SOUTHBOUND

COMMERCE DRIVE NORTHBOUND

740
730
720
710
700
690
680
670

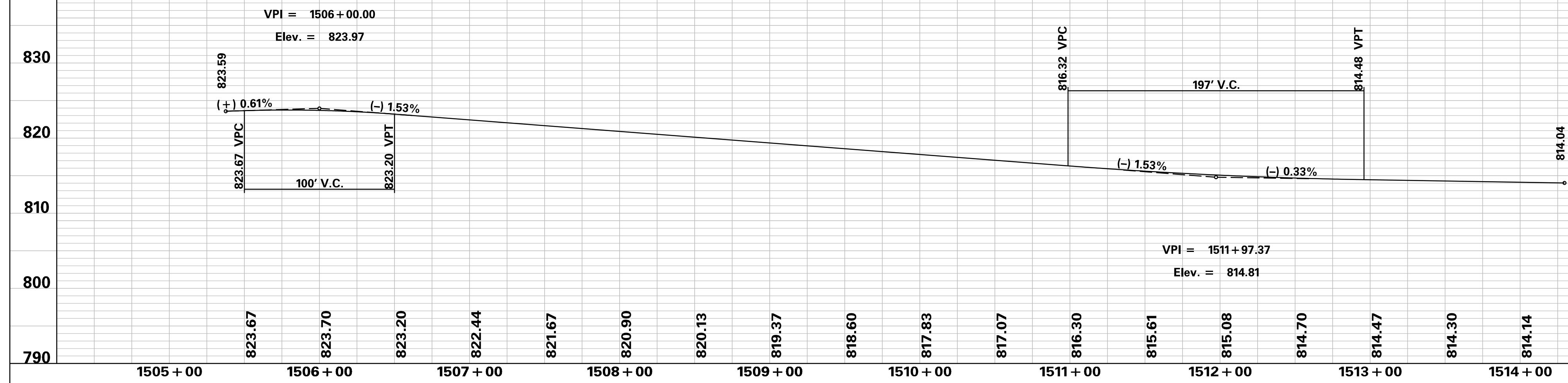
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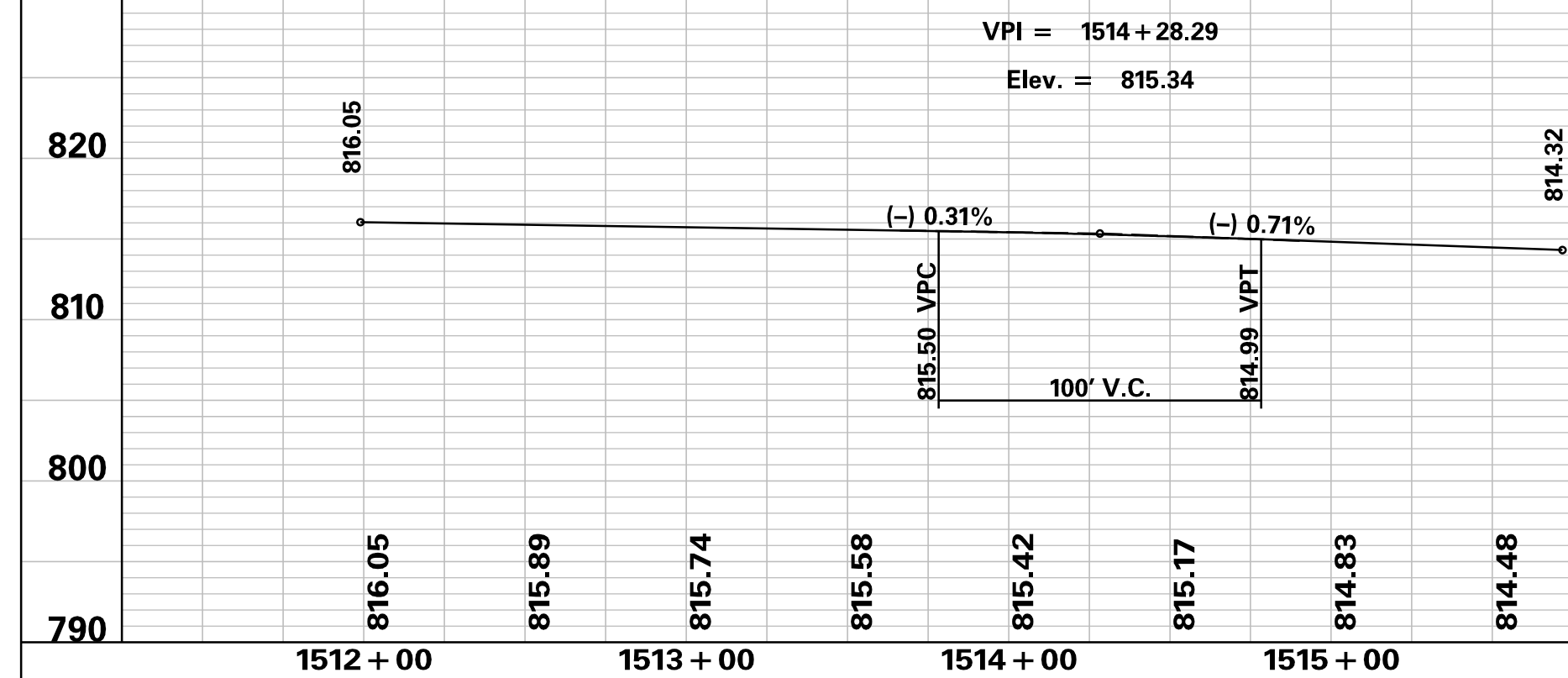
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<p>PRELIMINARY NOT FOR CONSTRUCTION</p>	7				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85 PROFILE SHEET INTERSTATE 85 WIDENING
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SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

S-666 (PEACHOID RD.) TOC LT



S-666 (PEACHOID RD.) TOC RT



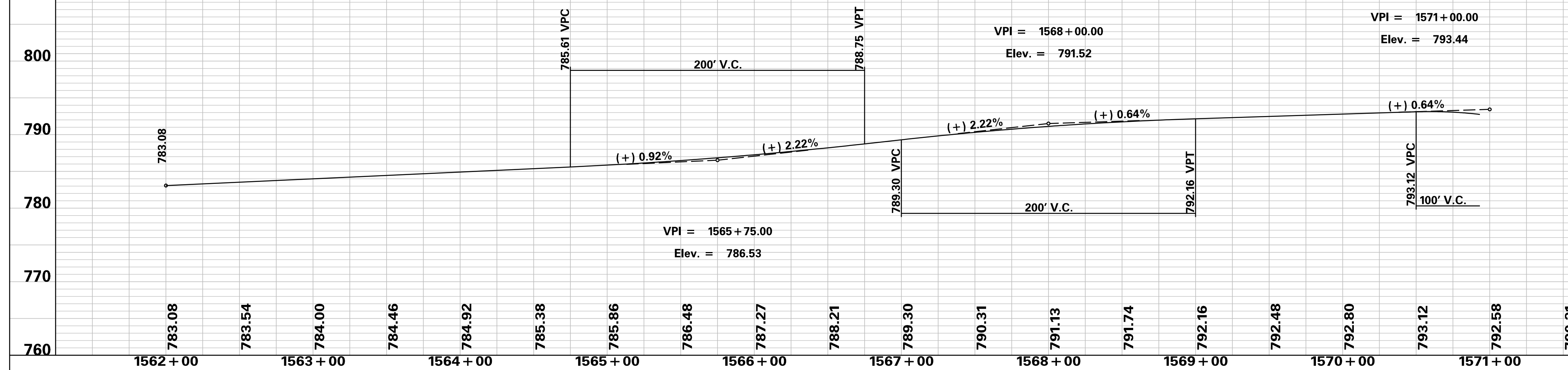
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SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

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 10/24/2017

CRESTHAVE DRIVE TOC RT



CANTY WAY TOC RT



PRELIMINARY NOT FOR CONSTRUCTION	7			
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SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)	REV. NO.	BY	DATE	DESCRIPTION OF REVISION

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

PROFILE SHEET

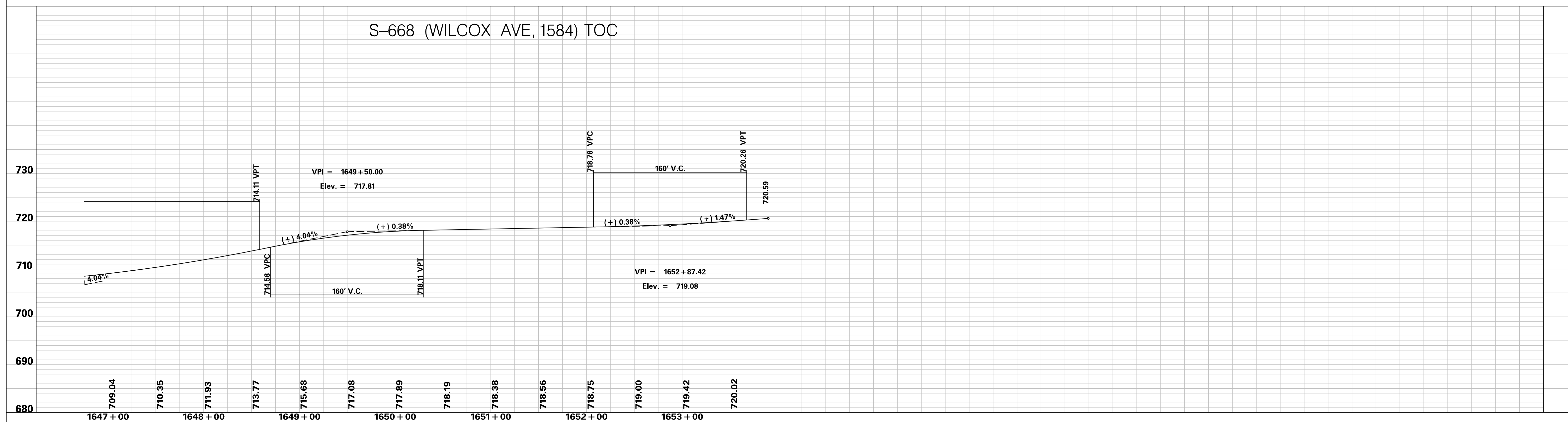
INTERSTATE 85 WIDENING

p:\parrish-pw\Documents\Projects\I-85 Widening\Design\Roadway\Sheets\PreliminaryPlans\SECTION 4\TOP OF CURB Profile Sheets.dgn 10/24/2017

S-668 (WILCOX AVE, 1584) TOC



S-668 (WILCOX AVE, 1584) TOC

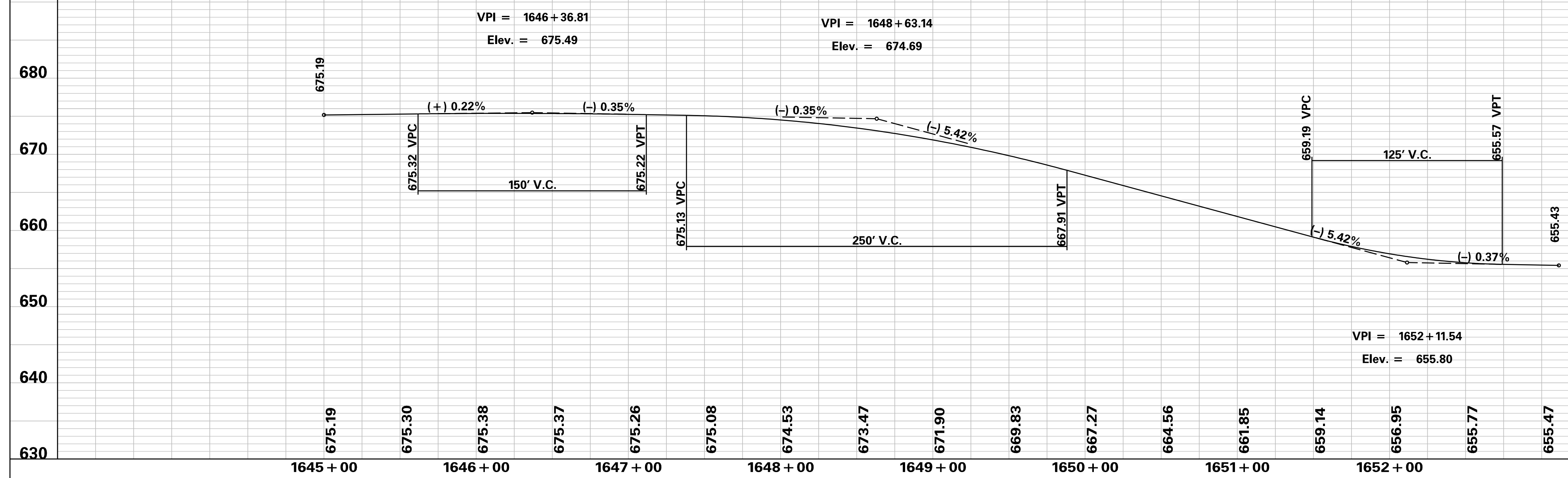


PRELIMINARY NOT FOR CONSTRUCTION	7				SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85 PROFILE SHEET INTERSTATE 85 WIDENING
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	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

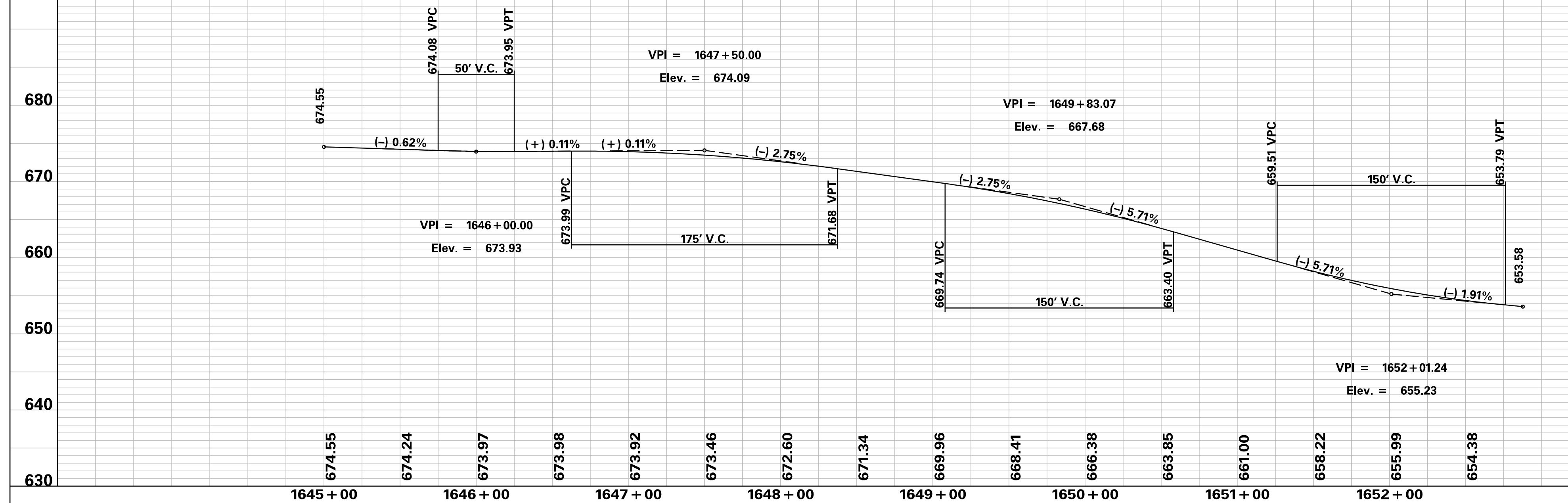
SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)

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S-614 (MATTHEWS DRIVE) TOC LT



S-614 (MATTHEWS DRIVE) TOC RT



PRELIMINARY
NOT FOR CONSTRUCTION

SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)

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REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

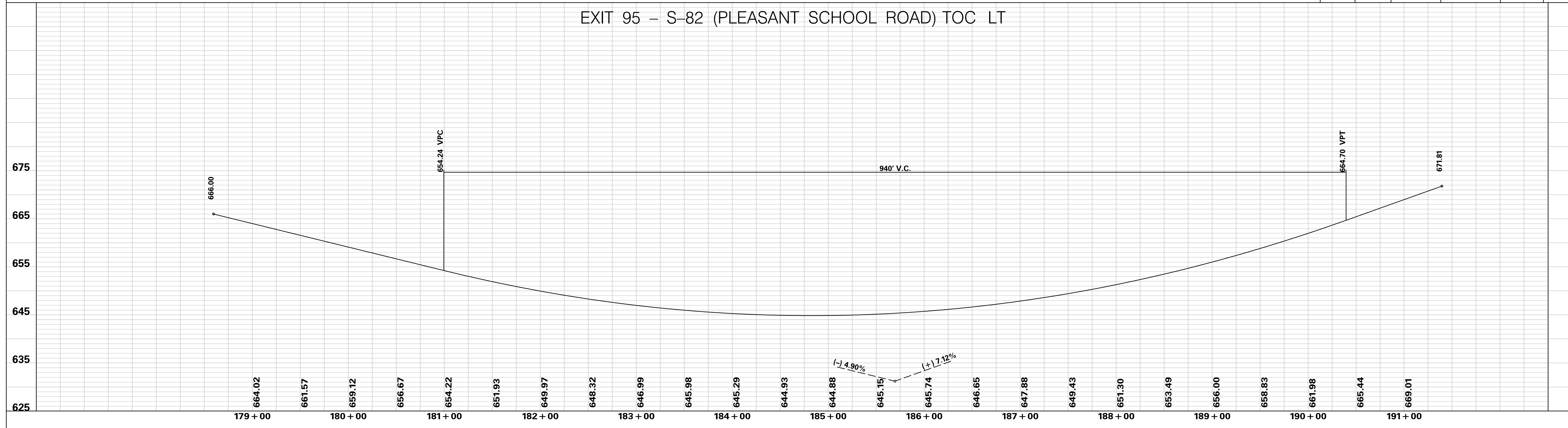
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

PROFILE SHEET

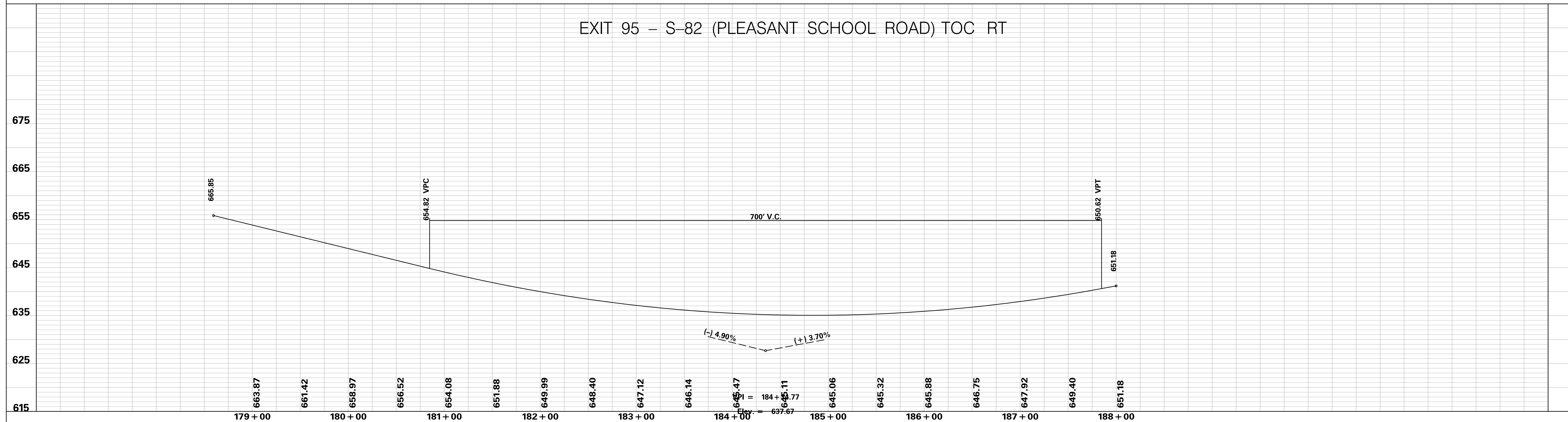
INTERSTATE 85 WIDENING

p:\parrish-pw\Documents\Projects\I-85 Widening\Design\Roadway\Sheets\PreliminaryPlans\SECTION 4\TOP OF CURB Profile Sheets.dgn 10/24/2017

EXIT 95 - S-82 (PLEASANT SCHOOL ROAD) TOC LT



EXIT 95 - S-82 (PLEASANT SCHOOL ROAD) TOC RT



**PRELIMINARY
NOT FOR CONSTRUCTION**

SCALE: 1" = 50' HORIZ / 10' VERT (TYP.)

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
7			
6			
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SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
INTERSTATE 85

PROFILE SHEET

INTERSTATE 85 WIDENING

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GENERAL NOTES:

SEE STANDARD DRAWINGS "CONCRETE BARRIER WALL (PERMANENT)" SECTION 805-800 FOR ADDITIONAL NOTES AND DETAILS AS APPLICABLE NOT SHOWN HEREIN.

MEDIAN BARRIER DETAILS SHOWN ON SHEETS S1 THRU S4 GOVERN REGARDING SHAPE, REINFORCING DETAILS, CONCRETE STRENGTH AND NOTES. ALL SCDOT REQUIREMENTS REGARDING CONSTRUCTION AND MATERIAL SPECIFICATIONS SHALL BE AS REQUIRED IN THE AFOREMENTIONED STANDARD DRAWINGS, EXCEPT AS NOTED.

FOR EXPANSION JOINT SPACING FOR BARRIER WALLS, SEE "MEDIAN BARRIER WALL DETAILS 1 AND 2 (OF 3)" SHEETS.

FOR DETAILS OF EXPANSION JOINTS AND CONTRACTION JOINTS, SEE STANDARD DRAWING 805-808-02 AND 805-805-03. PROVIDE ADDITIONAL REINFORCING AND DOWELS AS DETAILED IN SCDOT STD. DRAWING.

MATERIALS:

USE CLASS 4000 CONCRETE OR HIGHER UNLESS SHOWN OTHERWISE.

USE ASTM A 706 REINFORCEMENT OR AASHTO M 55 WELDED WIRE MESH. MINIMUM FY= 60 KSI.

USE EPOXY COATED DEFORMED REBAR FOR SHEAR PINS ACROSS EXPANSION JOINTS. USE STANDARD REINFORCEMENT FOR DOWELS.

USE SPONGE RUBBER EXPANSION JOINT MATERIAL LISTED ON QUALIFIED PRODUCT LIST 81.

USE GROUT CONFORMING TO SCDOT STANDARD SPECIFICATIONS SECTION 704.2.7.

REINFORCEMENT:

INSTALL REINFORCEMENT AS SHOWN. WHERE PRACTICAL, USE PRE-FABRICATED REBAR CAGES TO EXPEDITE CONSTRUCTION WITHIN CONSTRUCTION ZONE.

STAGGER LOCATION OF SPLICES IN LONGITUDINAL BARS A MINIMUM OF 24" BETWEEN ADJACENT BARS.

BEND BARS/BAR CAGES AS REQUIRED AT CATCH BASIN THROATS, HEIGHT TAPERS, TOE DRAINS, ALONG HORIZONTAL OR VERTICAL CURVES, OR ANY OTHER IRREGULARITY PRIOR TO FORMING OR SLIP FORMING.

WHERE NECESSARY TO KEEP REBAR CAGE STABILIZED DURING SLIP FORMING OPERATION, CONTRACTOR MAY DRIVE/TIE TO EPOXY COATED REBAR OR PLASTIC STAKES UNDER THE WALL FOOT PRINT, HOWEVER STAKES MUST BE SHORTER THAN THE FILL HEIGHT ABOVE ANY PIPE, UNDERDRAIN, OR SUBSURFACE UTILITY TO AVOID DRIVING THE STAKE INTO THE PIPE/UTILITY.

WHERE PRACTICAL, FORM/SLEEVE HOLES FOR GUARDRAIL CONNECTION BOLTS, TOE DRAINS, WEEP HOLES (WHEN NEEDED), OR ANY OTHER DESIGN PENETRATION TO MINIMIZE FIELD DRILLING INTO REINFORCED BARRIER.

WHERE PROVISIONS FOR ELECTRICAL IS INCLUDED IN THE PAY ITEMS, INSTALL ELECTRICAL SYSTEM SPECIFIED DURING THE REBAR PHASE (PRIOR TO SLIP FORMING). SEE GENERAL NOTES SECTION 85 FOR ELECTRICAL CONDUIT RESTRICTIONS.

LIMITATIONS:

CONSTRUCT APPROACH GRADING UP TO THE FACE OF THE RIGID TRAFFIC BARRIER AT 10:1 OR FLATTER (CROSS SLOPE/SHOULDER SLOPE/DITCH FORESLOPE). MATCH EARTH OR PAVED SHOULDER GRADING WHERE PRACTICAL.

WHEN LOCATED WITHIN THE FOOTPRINT OF THE RIGID TRAFFIC BARRIER, CONSTRUCT OVERHEAD SIGN STRUCTURE AND LUMINAIRE FOUNDATIONS WITH A CAP DETAIL THAT MATCHES THE BARRIER FACE GEOMETRY OR APPROPRIATE TRANSITION DETAIL.

EXPANSION JOINTS:

CONSTRUCT TYPICAL EXPANSION JOINTS BETWEEN 50 FEET AND 100 FEET SPACING. MINIMUM SPACING OF EXPANSION JOINTS FOR SHORT LENGTH ANCHORAGE DETAILS IS 10 FEET. DO NOT CONSTRUCT PORTIONS OF BARRIER SHORTER THAN 10 FEET WITHOUT A CUSTOM ANALYSIS.

INSTALL 3/4" SPONGE RUBBER JOINT FILLER FROM QUALIFIED PRODUCT LIST 81 AT EACH EXPANSION JOINT.

INSTALL EXPANSION JOINTS BETWEEN RIGID TRAFFIC BARRIER AND ANY ADJACENT STRUCTURES, INCLUDING OVERHEAD SIGNS AND LUMINAIRE FOUNDATIONS, AND RETAINING WALLS.

CONSTRUCTION/COLD JOINTS:

CONSTRUCT BARRIER MONOLITHICALLY WHEREVER PRACTICAL BETWEEN EXPANSION JOINTS.

WHERE CONSTRUCTION JOINT STYLE ANCHOR IS PREFERRED, EXTEND REINFORCEMENT ABOVE LOWER ANCHOR TO DEVELOP THE FULL CAPACITY OF THE BAR.

IF A POUR MUST STOP DUE TO UNFORESEEN CIRCUMSTANCES, AND AT LEAST 30 FEET OF BARRIER HAS BEEN PLACED, FINISH THE END OF THE POUR AND INSTALL EXPANSION JOINT DETAIL IF THAT DOES NOT CONFLICT WITH OTHER EXPANSION JOINT PLACEMENT RESTRICTIONS. IF THIS IS NOT PRACTICAL SEE NEXT NOTE.

IF A VERTICAL CONSTRUCTION/COLD JOINT IS REQUIRED DUE TO UNFORESEEN CIRCUMSTANCES, INSERT (3) SHEAR DOWELS (#29 BARS X 4 FEET LONG) AT 12" MAX. VERTICAL SPACING ACROSS COLD JOINT. EMBED BAR 2 FEET INTO FIRST POUR BEFORE CONCRETE SETS UP OR DRILL AS AN ADHESIVE ANCHOR TO DEVELOP THE FULL TENSION AND AND SHEAR CAPACITY OF THE BAR.

CONTRACTION JOINTS:

LOCATE VERTICAL CONTRACTION JOINTS AT 10 FEET TO 20 FEET SPACING.

FORM USING VERTICAL CHAMFER STRIPS OR HAND TROWEL CONTRACTION JOINTS WITH A 3/4" TO 1" DEEP DOUBLE CHAMFERED EDGE (45 DEGREES ON BOTH SIDES OF THE JOINT CENTERLINE) OR SAW CUT 1" DEEP. USE STRAIGHT EDGE AND LEVEL WHEN HAND TROWELING.

BASE WIDTH:

DO NOT CONSTRUCT BARRIER NARROWER THAN THE WIDTH SHOWN. CONSTRUCT SINGLE SLOPE MEDIAN BARRIER BASE AT THE WIDTH SHOWN UP TO 1/2" WIDER ADJACENT TO CATCH BASIN TYPE 25 (24.25" +/- 0.25") OR UP TO +/- 1" WIDEN WHEN NOT WITHIN 5 FEET OF CATCH BASIN TYPE 25 (24.5" +/- 0.5").

TRANSITIONS:

CONSTRUCT LEADING END FACE TRANSITIONS AND ALIGNMENT CHANGES AT OR FLATTER THE VALUES SHOWN FOR RIGID BARRIERS IN TABLE 805-12A.

CONSTRUCT TRAILING END FACE TRANSITIONS THAT DO NOT INTRODUCE EDGES CLOSER TO TRAFFIC AS SHOWN.

CONSTRUCT HEIGHT TRANSITIONS AT OR FLATTER THAN 12:1. WHERE PRACTICAL, PERFORM HEIGHT TRANSITIONS ALONG THE SAME LENGTH AS THE FACE OR ALIGNMENT TRANSITION SECTION.

WHEN WALL GEOMETRY CHANGES, TRANSITION THE TRAFFIC-SIDE FACE GEOMETRY AND WALL HEIGHT SO THAT ADJACENT DISCONTINUITIES ARE NO MORE THAN 1/2" CLOSER TO THE TRAVELWAY.

AT PACOLET RIVER, THICKETTY CREEK, CHEROKEE CREEK AND BROAD RIVER APPROACH SLAB REPLACEMENTS, UTILIZE SCDOT STD. DRAWINGS 805-870-01 AND 805-870-51 FOR TRANSITIONING SINGLE SLOPE BARRIER TO JERSEY SAFETY SHAPE CONSTRUCTED ON NEW APPROACH SLABS.

SEE SCDOT STANDARD DRAWINGS 805-860-XX TO 805-868-10 FOR RIGID BARRIER BRIDGE PIER AND NON-BRIDGE OVERHEAD STRUCTURE DETAILS.

CONSTRUCTION METHOD:

DO NOT PLACE CONCRETE UNTIL THE ENGINEER HAS APPROVED ANCHORAGE DETAIL AND CORRESPONDING BASE REQUIREMENTS.

USE SLIP FORMING TECHNIQUES WHERE PRACTICAL OR CAST IN PLACE RIGID FORMWORK TO COMPLETE THE INSTALLATION.

MAINTAIN DIMENSIONAL TOLERANCES AND FINISH DETAILS REGARDLESS OF CONSTRUCTION METHOD USED.

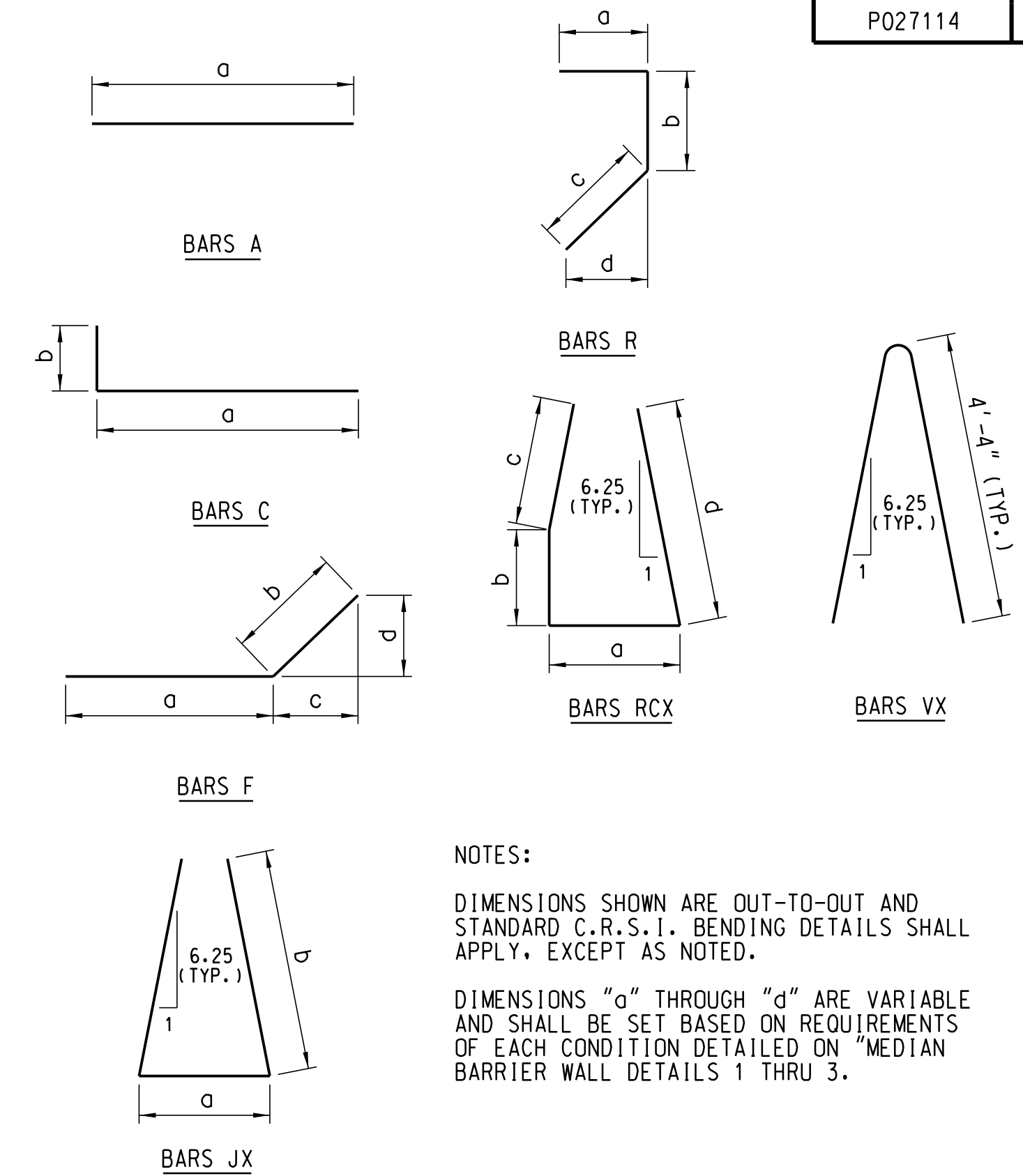
ANCHOR FORMWORK SO THAT IT DOES NOT DISPLACE OR FLOAT DURING CONSTRUCTION.

MAINTAIN HORIZONTAL AND VERTICAL ALIGNMENTS TO WITHIN +/- 1" ALONG ALL POINTS OF THE WALL, INCLUDING CHORDED PORTIONS IN CURVES.

FINISH:

CHAMFER ALL EDGES WITH EITHER 3/4" OR 1" CHAMFERS. ALTERNATELY, PROVIDE 1" RADIUS EDGE.

PROVIDE A SMOOTH TROWELED FINISH WHEN SLIP FORMING.



NOTES:

DIMENSIONS SHOWN ARE OUT-TO-OUT AND STANDARD C.R.S.I. BENDING DETAILS SHALL APPLY, EXCEPT AS NOTED.

DIMENSIONS "a" THROUGH "d" ARE VARIABLE AND SHALL BE SET BASED ON REQUIREMENTS OF EACH CONDITION DETAILED ON "MEDIAN BARRIER WALL DETAILS 1 THRU 3."

REINFORCING BENDING DETAILS

US Customary Reinforcing Bar Designation	Metric Reinforcing Bar Designation
#3	#10
#4	#13
#5	#16
#6	#19
#7	#22
#8	#25
#9	#29
#10	#32
#11	#36
#14	#43
#18	#57

REINFORCING BAR DESIGNATIONS

Figure 6.3-1



PLANS PREPARED BY:



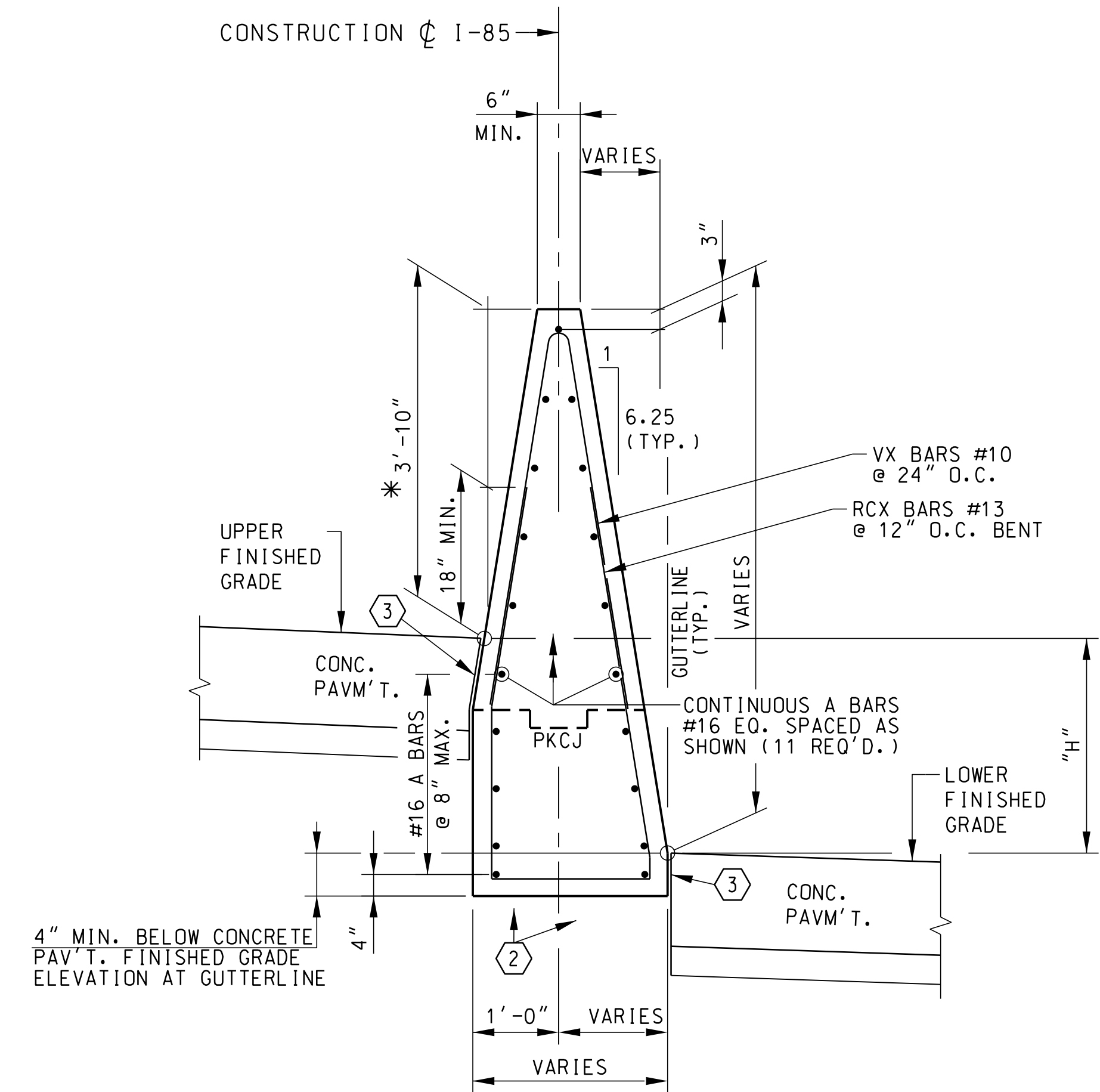
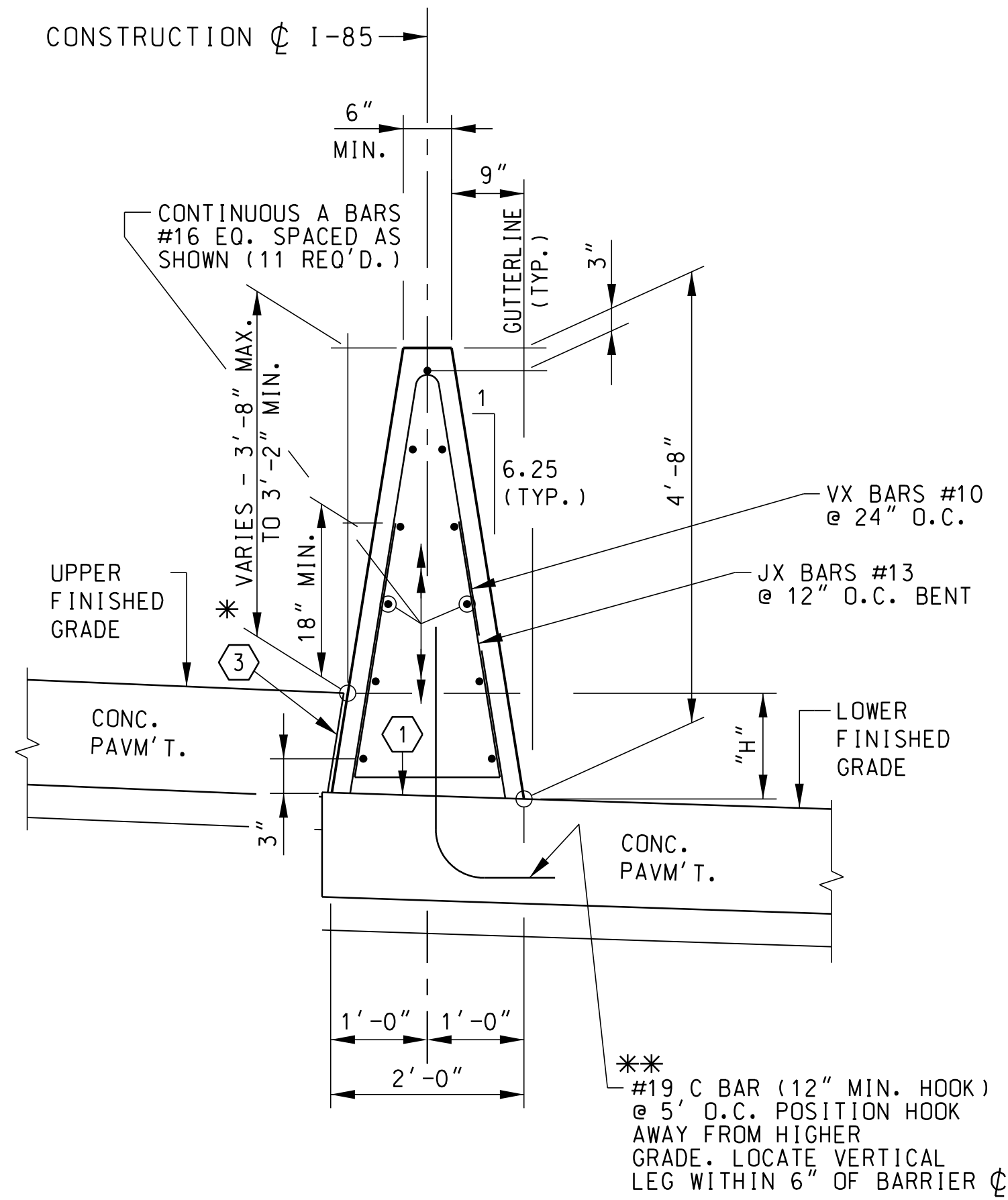
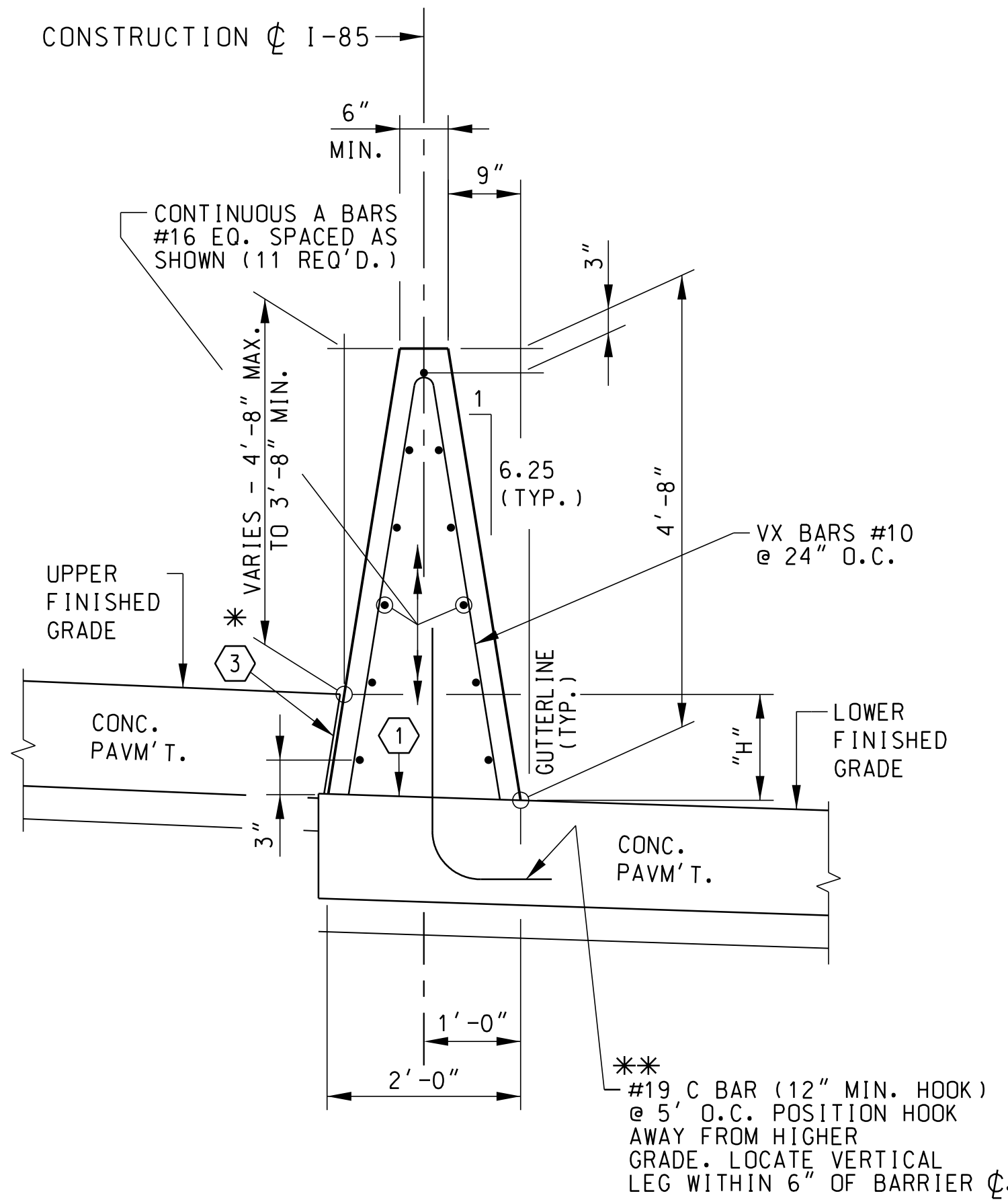
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

MEDIAN BARRIER WALL GENERAL NOTES AND DETAILS

I-85 RECONSTRUCTION AND WIDENING A DESIGN-BUILD PROJECT

REV.			
REV.			
REV.			
REVIEWED	A. PARRISH		
QUAN.	---	---	---
DR.	MWB	AJP	7-17
DES.	SJL	AJP	7-17
BY	CHK.	DATE	

**NOT FOR CONSTRUCTION
SUBJECT TO CHANGE**



NOTES:

CONCRETE SHALL BE CLASS 4000.

* USE 10:1 TRANSITION BETWEEN BARRIER CONDITIONS 1 THROUGH 4 AS NOTED IN THE RFP.

MINIMUM LAP SPLICE (UNLESS OTHERWISE NOTED):

#10 = 1'-0"
 #13 = 1'-0"
 #16 = 3'-0"
 #19 = 2'-7"

MINIMUM LENGTH OF WALL BETWEEN WALL EXPANSION JOINTS IS 50'-0". MAXIMUM LENGTH OF WALL BETWEEN EXPANSION JOINTS IS 100'-0".

PKCJ - DENOTES PERMISSIBLE KEYED CONSTRUCTION JOINT

#13 LONGITUDINAL BARS MAY BE SHIFTED SLIGHTLY TO PROVIDE 1" CLEAR TO PKCJ.

FOR FINISHED GRADE ELEVATIONS AT GUTTERLINE, SEE ROADWAY CROSS SECTIONS.

FOR CONDITIONS 1A & 1B, ALIGN MEDIAN BARRIER WALL EXPANSION JOINTS WITH PCC PAVEMENT EXPANSION JOINTS WITHIN EXP. JT. SPACING LIMITATIONS NOTED ABOVE.

**ALTERNATE REINFORCING: 3/4" DIA. ADHESIVE ANCHORS @ 5' O.C., DEVELOPE 4.5K SHEAR (FOLLOW MANUFACTURER'S EMBEDMENT SPECIFICATION)

① INTENTIONALLY ROUGHEN NEW PAVEMENT SURFACE TO IMPROVE BOND WITH BARRIER CASTING METHOD.

③ PROVIDE 3/8" BOND BREAKER FULL DEPTH OF PCC PAV'T.

**ALTERNATE REINFORCING: 3/4" DIA. ADHESIVE ANCHORS @ 5' O.C., DEVELOPE 4.5K SHEAR (FOLLOW MANUFACTURER'S EMBEDMENT SPECIFICATION)

① INTENTIONALLY ROUGHEN NEW PAVEMENT SURFACE TO IMPROVE BOND WITH BARRIER CASTING METHOD.

③ PROVIDE 3/8" BOND BREAKER FULL DEPTH OF PCC PAV'T.

② PAVEMENT OR WELL COMPACTED BASE (MIN. BEARING PRESSURE OF 3300 PSF)

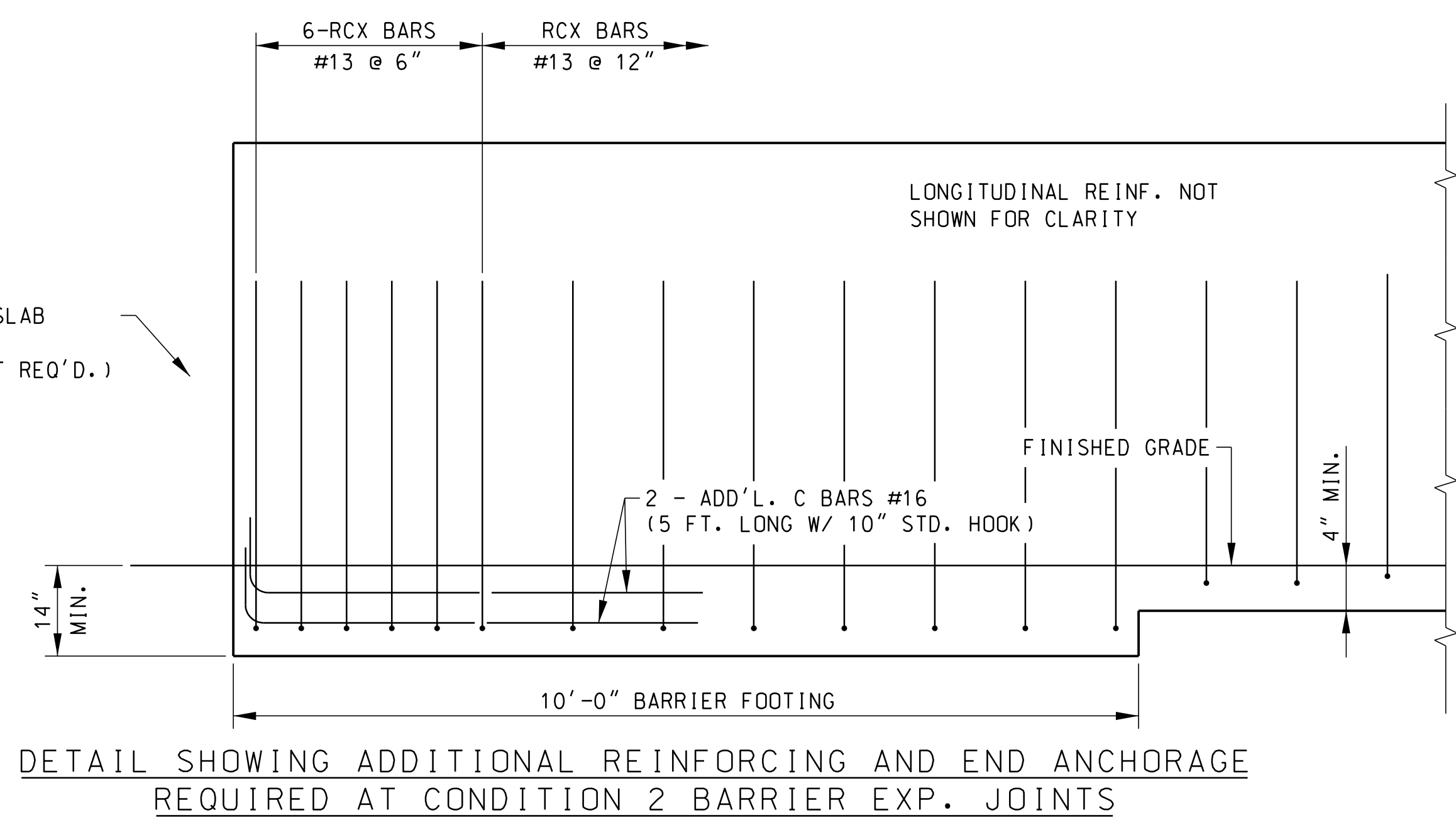
③ PROVIDE 3/8" BOND BREAKER FULL DEPTH OF PCC PAV'T.

CONDITION 1A
 0.0' ≤ H < 1.0'

CONDITION 1B
 1.0' ≤ H ≤ 1.5'

CONDITION 2
 1.5' < H ≤ 3.0'

USE THIS DETAIL AT BRIDGE APPROACH SLAB MEDIAN BARRIER EXPANSION JOINT FOR CONDITION 2 (1" MIN. EXPANSION JOINT REQ'D.)



**NOT FOR CONSTRUCTION
 SUBJECT TO CHANGE**

REV.			
REV.			
REV.			
REVIEWED	A. PARRISH		
QUAN.	---	---	---
DR.	MWB	AJP	7-17
DES.	SJL	AJP	7-17
BY	CHK.	DATE	

PLANS PREPARED BY:
PARRISH & PARTNERS

**SOUTH CAROLINA
 DEPARTMENT OF TRANSPORTATION**

MEDIAN BARRIER WALL DETAILS 1 OF 3

**I-85 RECONSTRUCTION AND WIDENING
 A DESIGN-BUILD PROJECT**

COUNTY	SPARTANBURG/CHEROKEE	ROUTE	I-85
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_VOX_CALI_MEDIAN_BARRIER_1-2.dgn
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NOTES:

- CONCRETE SHALL BE CLASS 4000.
- 1 TOP OF FOOTING ELEVATION TO BE SET TO PROVIDE 6" MIN. CLEAR TO UTILITIES AND/OR AS DIRECTED BY THE RCE.
- 2 WEEP HOLES, WALL DRAIN SYSTEM AND WATERPROOFING REQUIRED FOR THIS DESIGN. SEE CONDITION 4.
- 3 PROVIDE 3/8" BOND BREAKER FULL DEPTH OF PCC PAV'T.
- 4 ALL HORIZONTAL AND VERTICAL JOINTS AND CONTRACTION JOINTS THAT ARE ADJACENT TO SOIL SHALL BE WATERPROOFED USING "SECOND-METHOD" IN ACCORDANCE WITH SECTION 814 OF THE STANDARD SPECIFICATIONS. COLD APPLIED WATERPROOFING MAY BE USED IN LIEU OF THE "SECOND-METHOD" IN ACCORDANCE WITH THE SPECIAL PROVISIONS.

GEOCOMPOSITE WALL DRAIN MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE WITH SPECIAL PROVISIONS. GEOTEXTILE FOR DRAINAGE FILTRATION SPECIFICATIONS SHALL BE IN ACCORDANCE WITH SUPPLEMENTAL SPECIFICATIONS. PERFORATED PIPE UNDERDRAIN SHALL BE EITHER CORRUGATED POLYETHYLENE PIPE OR PVC PIPE AND SHALL CONFORM TO SECTION 802 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (LATEST EDITION).

* USE 10:1 TRANSITION BETWEEN BARRIER CONDITIONS 1THRU 4. AS NOTED IN THE RFP.

MINIMUM LAP SPLICE (UNLESS OTHERWISE NOTED):

- #10 = 1'-0"
- #13 = 1'-0"
- #16 = 3'-0"
- #19 = 2'-7"

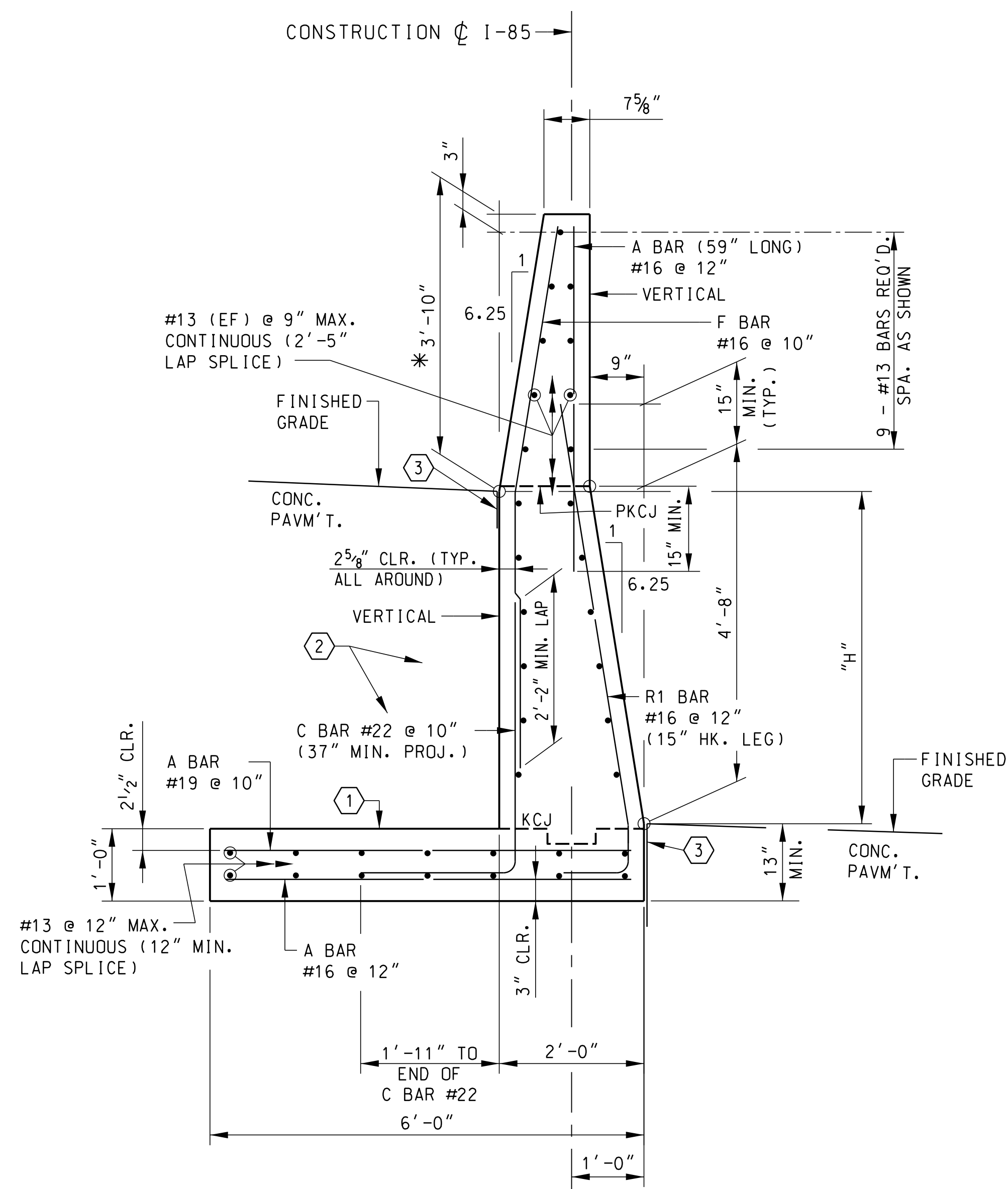
MINIMUM LENGTH OF WALL BETWEEN WALL EXPANSION JOINTS IS 50'-0". MAXIMUM LENGTH OF WALL BETWEEN EXPANSION JOINTS IS 100'-0".

KCJ - DENOTES KEYED CONSTRUCTION JOINT

PKCJ - DENOTES PERMISSIBLE KEYED CONSTRUCTION JOINT

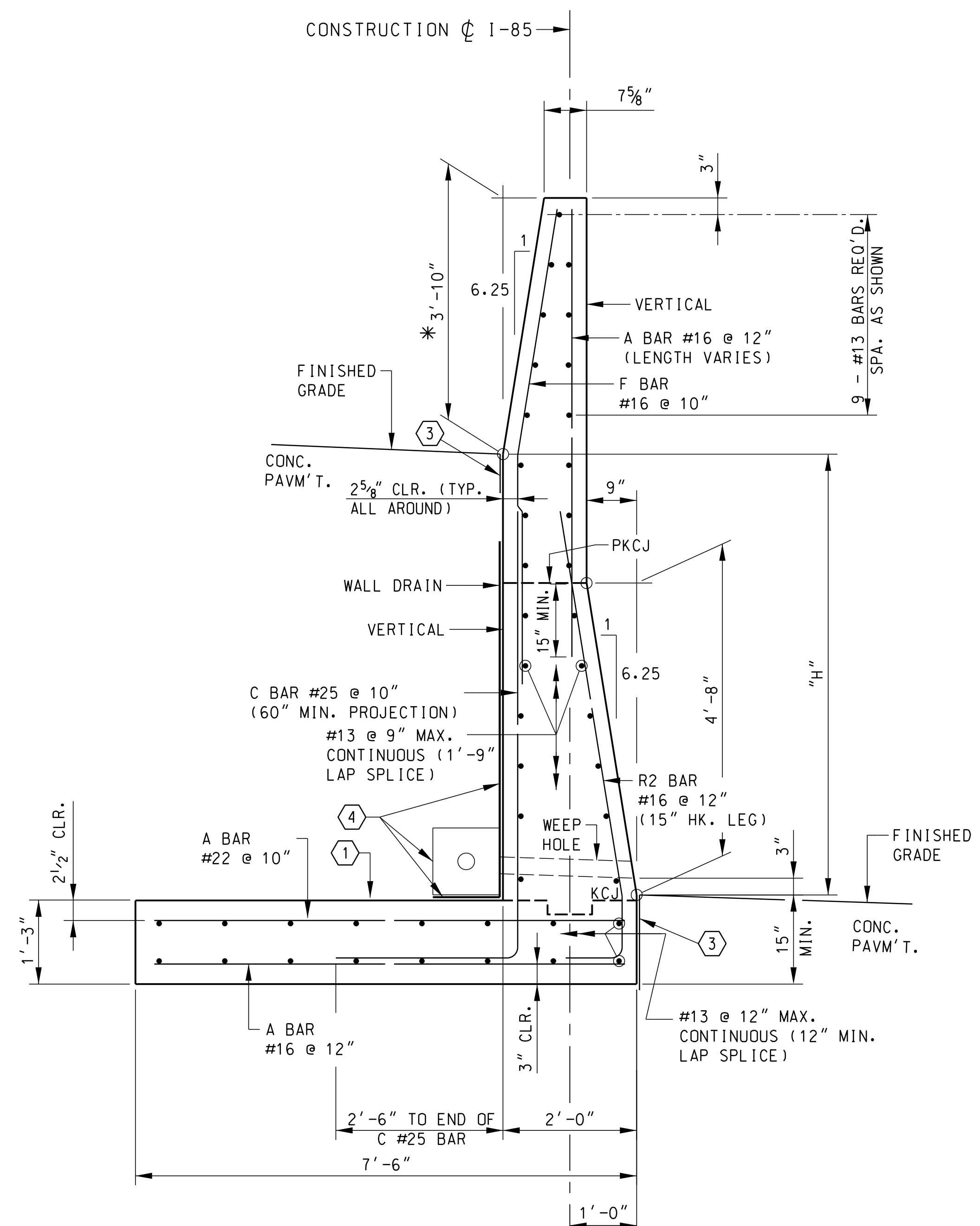
#13 LONGITUDINAL BARS MAY BE SHIFTED SLIGHTLY TO PROVIDE 1" CLEAR TO PKCJ.

FOR FINISHED GRADE ELEVATIONS AT GUTTERLINE, SEE ROADWAY CROSS SECTIONS.



NOTE:
MINIMUM ALLOWABLE BEARING PRESSURE FOR FOOTING BASE MATERIAL SHALL BE 3300 PSF.

CONDITION 3
3' < H ≤ 5'



NOTE:
MINIMUM ALLOWABLE BEARING PRESSURE FOR FOOTING BASE MATERIAL SHALL BE 3300 PSF.

CONDITION 4
5' < H ≤ 7.5'

NOT FOR CONSTRUCTION
SUBJECT TO CHANGE



PLANS PREPARED BY:
PARRISH & PARTNERS

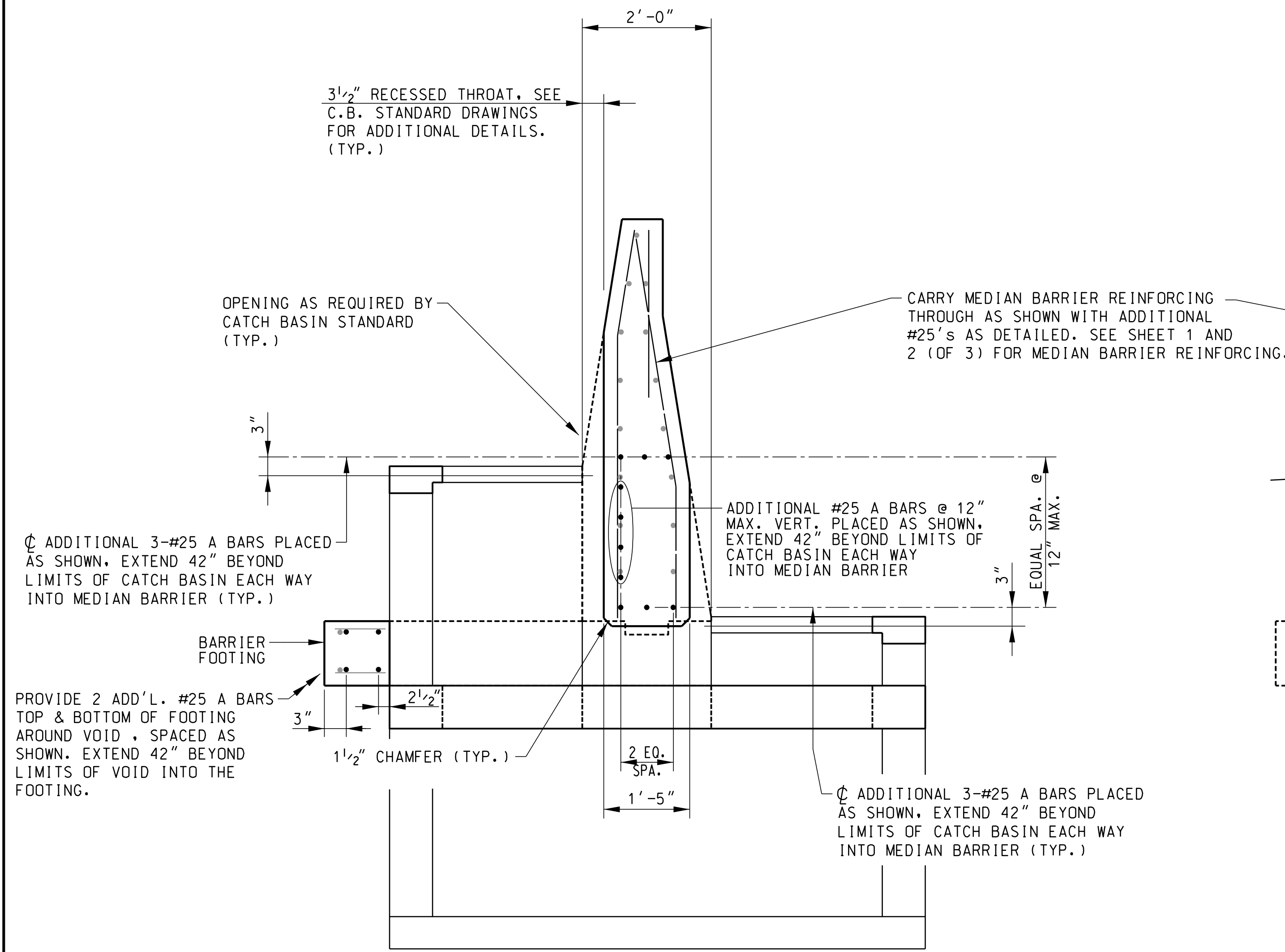
SOUTH CAROLINA
DEPARTMENT OF TRANSPORTATION

MEDIAN BARRIER WALL DETAILS 2 OF 3

I-85 RECONSTRUCTION AND WIDENING
A DESIGN-BUILD PROJECT

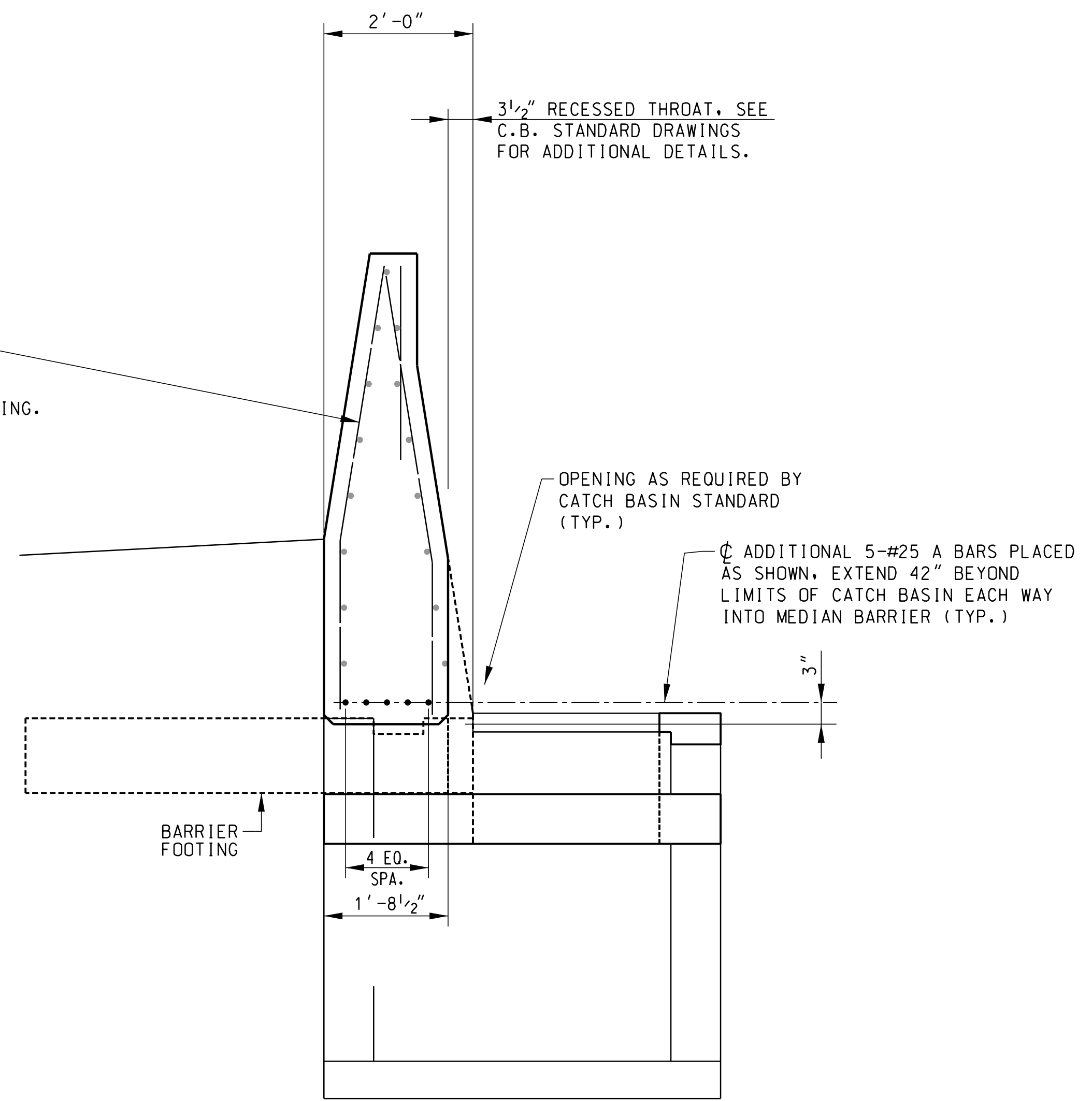
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REVIEWED	A. PARRISH		
QUAN.	---	---	---
DR.	MWB	AJP	7-17
DES.	SJL	AJP	7-17
BY	CHK.	DATE	

COUNTY SPARTANBURG/CHEROKEE ROUTE I-85



NOTES:
 PROVIDE 1/2" EXPANSION JOINT FILLER MATERIAL BETWEEN CATCH BASIN STRUCTURE AND MEDIAN BARRIER WALL AND FOOTING.
 SEE ROADWAY PLANS FOR LOCATIONS AND TYPES OF CATCH BASINS. SEE ROADWAY STANDARD DRAWINGS FOR DETAILS OF CATCH BASINS AS SHOWN ON ROADWAY DRAINAGE PLANS.

MEDIAN BARRIER AT DOUBLE CATCH BASIN
 (ALL MEDIAN BARRIER CONDITIONS)



NOTES:
 PROVIDE 1/2" EXPANSION JOINT FILLER MATERIAL BETWEEN CATCH BASIN STRUCTURE AND MEDIAN BARRIER WALL AND FOOTING.
 SEE ROADWAY PLANS FOR LOCATIONS AND TYPES OF CATCH BASINS. SEE ROADWAY STANDARD DRAWINGS FOR DETAILS OF CATCH BASINS AS SHOWN ON ROADWAY DRAINAGE PLANS.

MEDIAN BARRIER AT SINGLE CATCH BASIN
 (ALL MEDIAN BARRIER CONDITIONS)

MEDIAN BARRIER DESIGN PARAMETERS				
PARAMETER		N _{1,00}	Effective Stress	Total Stress
Select Fill (Stone / Gravel)	Unit Weight		120 pcf	120 pcf
	Friction Angle	N/A	32 degrees	32 degrees
	Cohesion		0 psf	0 psf
Backfill	Unit Weight		120 pcf	120 pcf
	Friction Angle	N/A	26 degrees	12 degrees
	Cohesion		0 psf	1000 psf
Foundation Soil (Existing)	Unit Weight		120 pcf	120 pcf
	Friction Angle	10 - 30 bpf	26 degrees	12 degrees
	Cohesion		0 psf	1000 psf
Groundwater			15 feet	
Uniform Dead Load			320 psf	
Peak Ground Acceleration, Kh			0.19g SEE	
			0.07g FEE	

RESISTANCE FACTORS FOR MEDIAN BARRIER		
STABILITY	LIMIT STATE	REQUIRED RF
SOIL BEARING RESISTANCE	STRENGTH	0.45
SLIDING RESISTANCE	STRENGTH	0.80
GLOBAL STABILITY	STRENGTH	0.75
SOIL BEARING RESISTANCE	EEI	0.60
SLIDING RESISTANCE	EEI	0.95
GLOBAL STABILITY	EEI	1.0

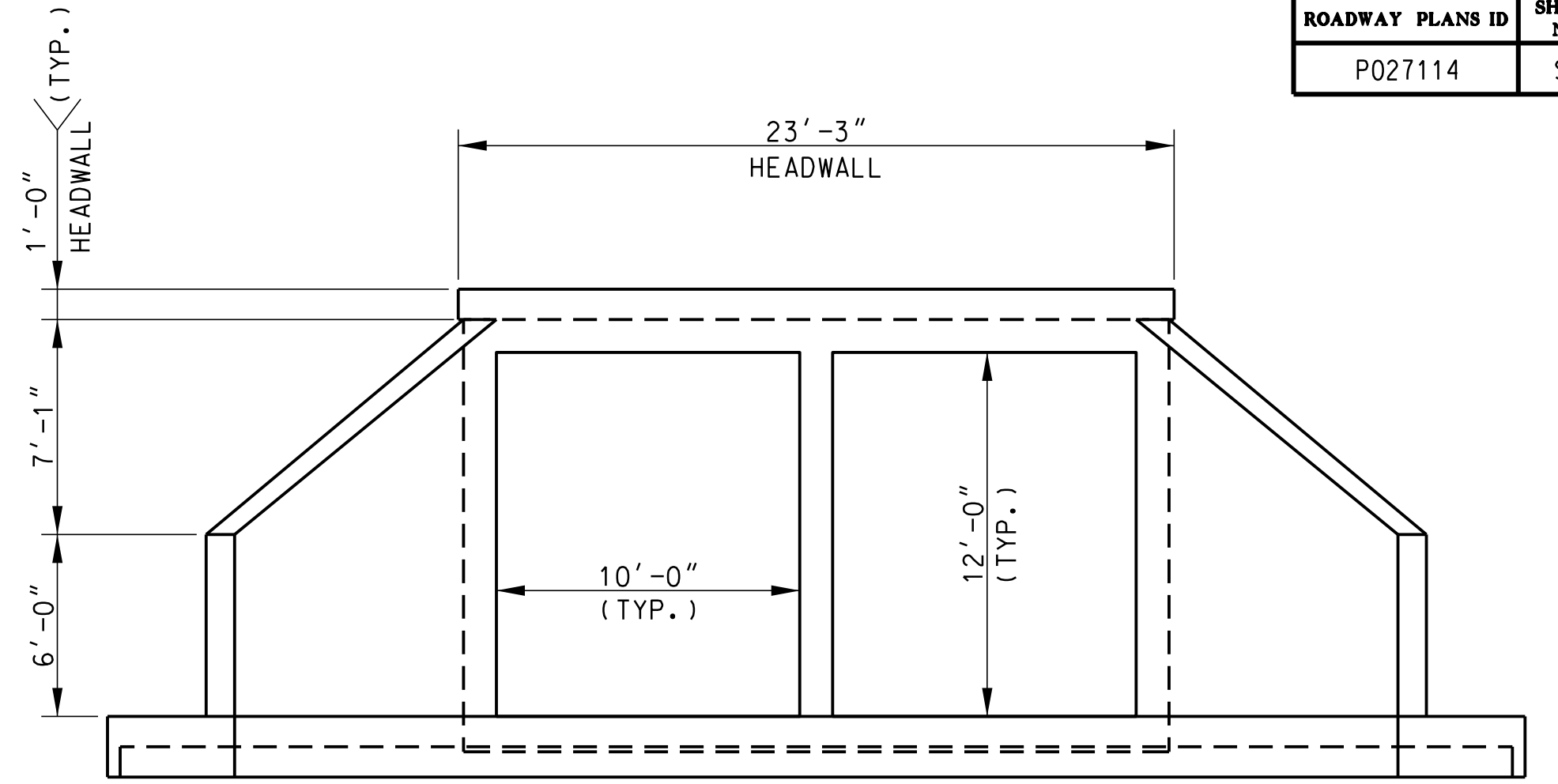
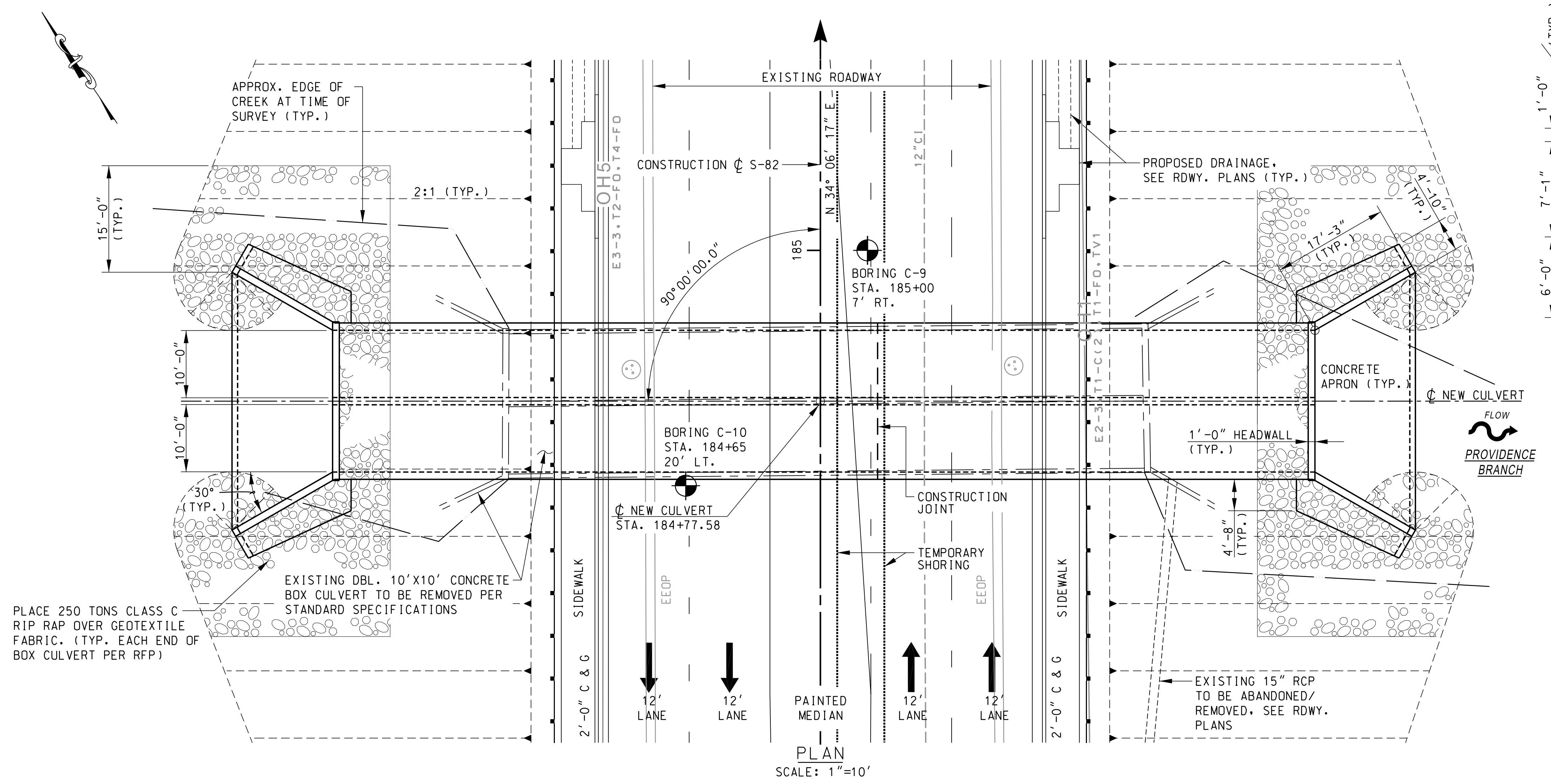
STRUCTURAL DESIGN PERFORMED IN ACCORDANCE WITH 2012 AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SIXTH EDITION (WITH 2013 INTERIM REVISIONS) FOR TL-4 DESIGN PARAMETERS.

NOTE:
 DETAILS SHOWN ARE FOR ADDITIONAL REINFORCING REQUIRED AT CATCH BASINS FOR THE MEDIAN BARRIER. THE BASINS ARE SHOWN SCHEMATICALLY AND ARE NOT INTENDED TO PROVIDE DETAIL OF THE CATCH BASINS. SEE SCDOT STANDARD DRAWINGS FOR DETAILS OF DRAINAGE STRUCTURES.

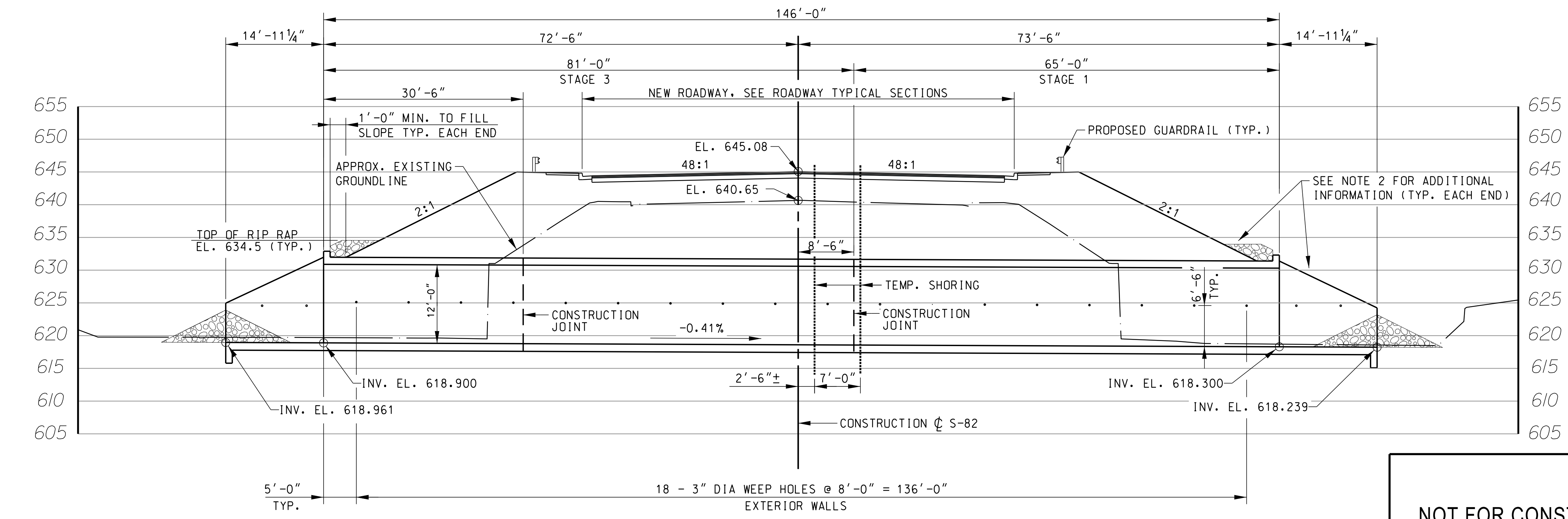
MEDIAN BARRIER WALL SHOWN FOR CONDITIONS 3 AND 4. CONDITIONS 1 THRU 2 ARE SIMILAR. ADDITIONAL REINFORCING SHOWN IS REQUIRED WHEN BARRIER CROSSES A CATCH BASIN AND IT'S STANDARD SHAPE IS INTERRUPTED.

NOT FOR CONSTRUCTION
SUBJECT TO CHANGE

REV.			
REV.			
REV.			
REVIEWED	A. PARRISH		
QUAN.	---	---	---
DR.	MWB	AJP	7-17
DES.	SJL	AJP	7-17
BY	CHK.	DATE	



- SPECIFICATIONS:
AASHTO 2012 LRFD BRIDGE DESIGN SPECIFICATIONS, 6TH EDITION, WITH INTERIM REVISIONS THROUGH 2013.
- DESIGN DATA:
LOAD AND RESISTANCE FACTOR DESIGN (LRFD) METHOD
LIVE LOAD: AASHTO HL-93 LOADING
- NOTES:
1. FOR CONSTRUCTION STAGING AND TEMPORARY SHORING SEE "CONSTRUCTION STAGING" SHEETS.
2. FOR ADDITIONAL RIPRAP REQUIREMENTS, SEE ROADWAY PLANS.
3. FOR ADDITIONAL NOTES AND REQUIREMENTS, SEE SCDOT STANDARD DRAWINGS FOR BOX CULVERTS 722-105-01, 722-105-02, 722-305-00 AND 804-205-00.
- DENOTES LOCATION OF BORINGS PERFORMED UNDER THIS CONTRACT.



HYDROLOGY DATA

D.A.	= 2.26 SQ. MI.
Q ₍₅₀₎	= 1370 CFS
VEL.	= 9.44 FT./SEC.
DES. HEAD-WATER EL.	= 627.77 FT.
Q ₍₁₀₀₎	= 1580 CFS
VEL.	= 10.17 FT./SEC.
100 YR. HEAD-WATER EL.	= 628.66 FT.

OVERTOPPING FLOOD:
Q > 2030 CFS PROBABILITY = < 0.2 %

BLYTHE
ZACHRY

PLANS PREPARED BY:
PARRISH & PARTNERS

SOUTH CAROLINA
DEPARTMENT OF TRANSPORTATION

LAYOUT PLAN AND SECTION

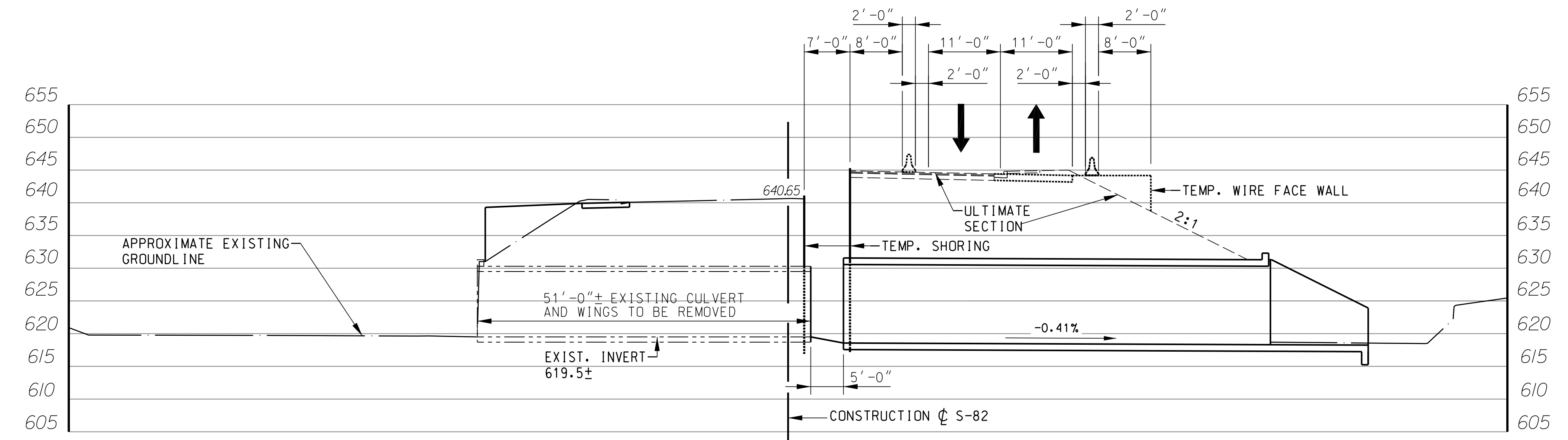
DBL. 10 FT. X 12 FT. C-I-P CONCRETE BOX CULVERT
AT STA. 184+77.58 (ROAD S-82)

COUNTY	CHEROKEE	ROUTE	S-82
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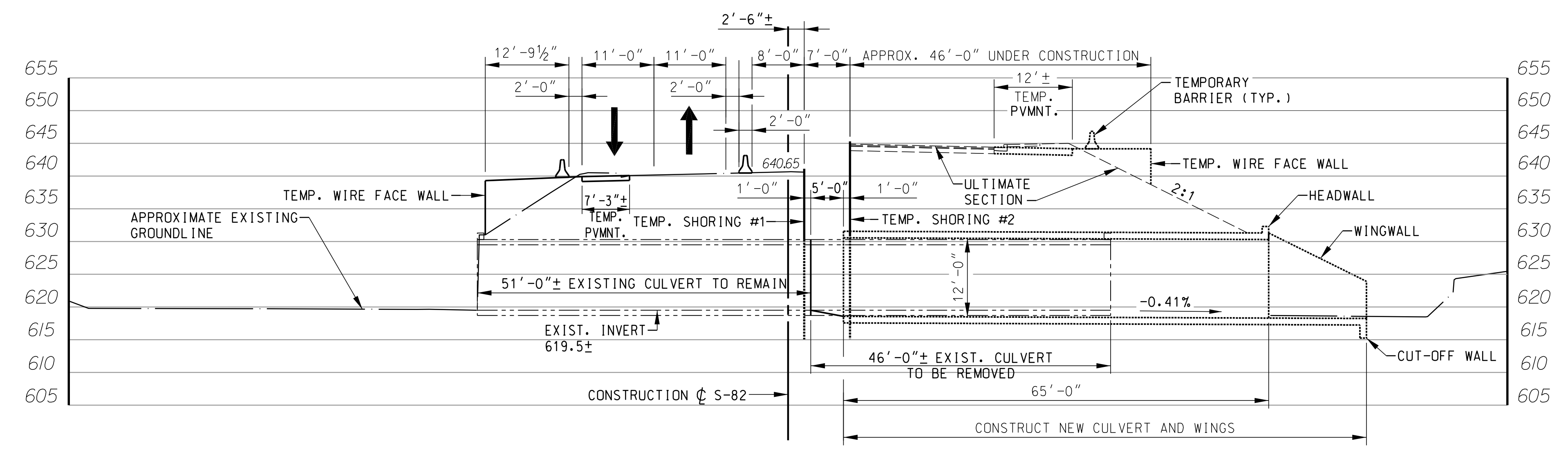
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SUBJECT TO CHANGE**

SECTION ALONG ϕ DBL. 10'x12' CONCRETE BOX CULVERT
SCALE: 1"=10'

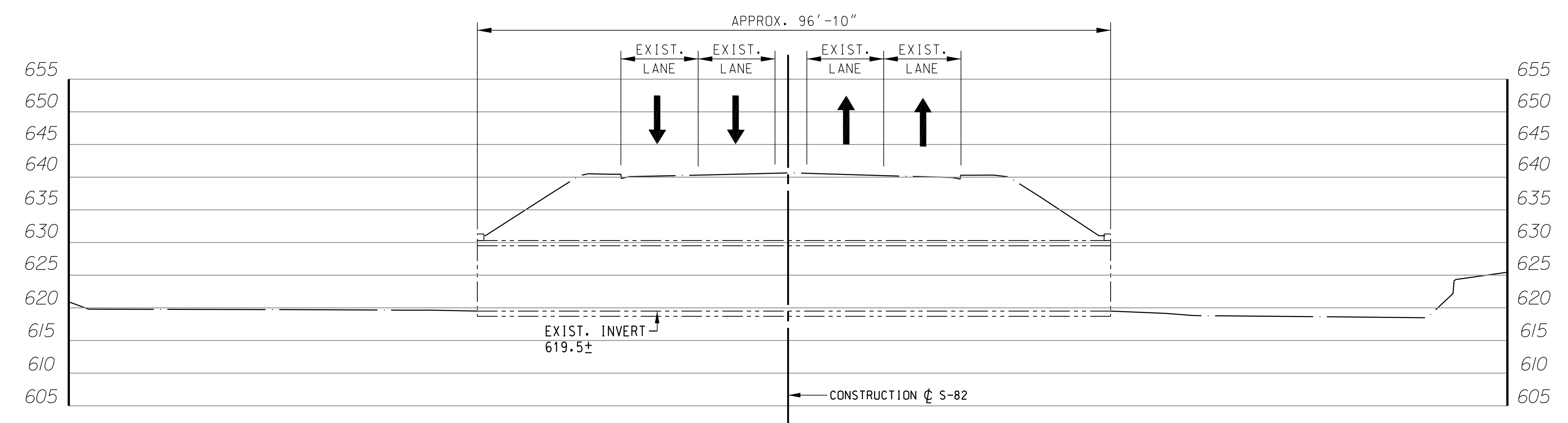
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STAGE 2



STAGE 1



EXISTING CONDITION

CONSTRUCTION STAGING SEQUENCE

- STAGE 1:**
 CONSTRUCT TEMPORARY SHORING #1. CONSTRUCT TEMP. WIRE FACE WALL. CONSTRUCT TEMP. PAV'T.. SHIFT TRAFFIC.
- REMOVE APPROXIMATELY 45'-10" EXISTING CULVERT
 CONSTRUCT 65'-0" NEW CULVERT AND WINGS
- CONSTRUCT TEMPORARY SHORING #2. CONSTRUCT TEMP. WIRE FACE WALL. CONSTRUCT TEMP. PAV'T.
- STAGE 2:**
 SHIFT TRAFFIC TO NEWLY CONSTRUCTED SECTION
- STAGE 3:**
 REMOVE APPROXIMATELY 51'-0" REMAINING CULVERT. REMOVE TEMP. SHORING #1. CONSTRUCT REMAINING 81'-0" CULVERT AND WINGS

NOTES:

1. FOR SOIL PARAMETERS FOR TEMPORARY SHORING, SEE "CONSTRUCTION STAGING 2 OF 2" SHEET.

NOT TO SCALE

**NOT FOR CONSTRUCTION
 SUBJECT TO CHANGE**



PLANS PREPARED BY:
PARRISH & PARTNERS

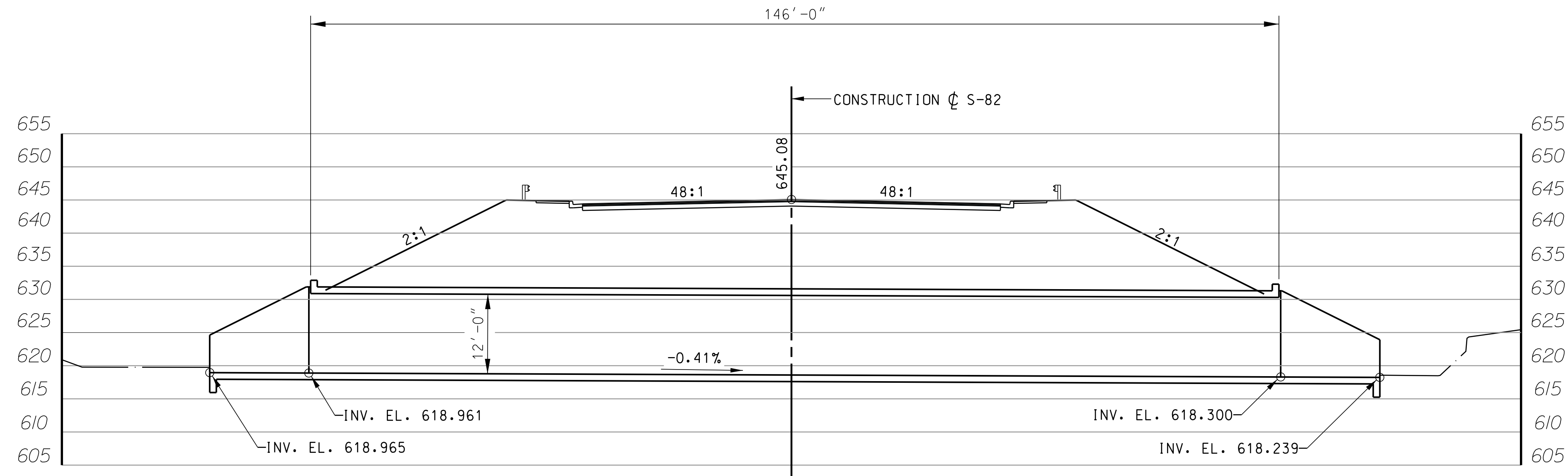
**SOUTH CAROLINA
 DEPARTMENT OF TRANSPORTATION**

CONSTRUCTION STAGING 1 OF 2

DBL. 10 FT. X 12 FT. C-I-P CONCRETE BOX CULVERT
 AT STA. 184+77.58 (ROAD S-82)

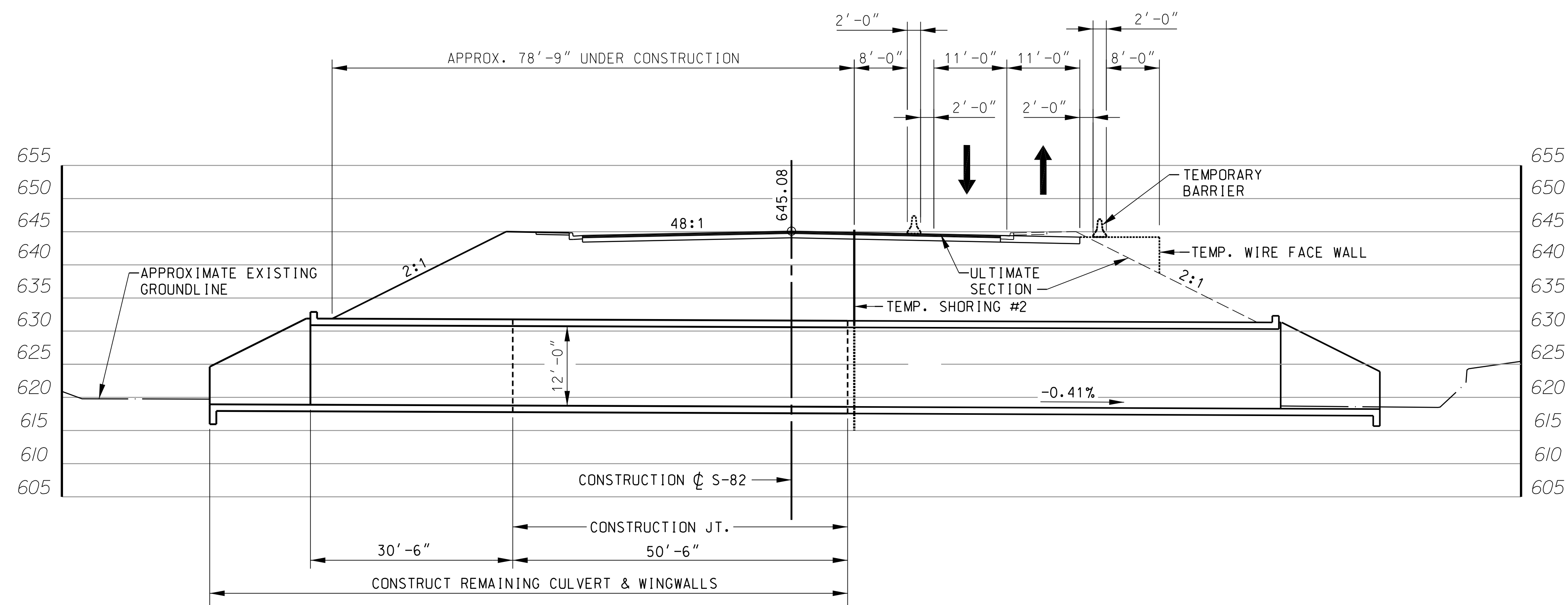
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QUAN.	---	---	---
DR.	MWB	WSA	7-17
DES.	OP	WSA	7-17
BY	CHK.	DATE	

COUNTY	CHEROKEE	ROUTE	S-82
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FINISHED SECTION

LAYER	Ø TOTAL		N ₆₀	c	Ø	c'	Ø
	PCF	PSF					
NEW EMBANKMENT FILL	120	-	0	32	0	0	32
EXISTING FILL 1	110	10	600	9	23	22	
EXISTING FILL 2	110	4	350	8	15	18	
ALLUVIUM	110	6	500	12	0	21	
PWR	135	100+	4000	0	0	40	



STAGE 3

NOTES:

- FOR CONSTRUCTION SEQUENCE AND NOTES, SEE SHEET S6.



PARRISH & PARTNERS

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

CONSTRUCTION STAGING 2 OF 2

DBL. 10 FT. X 12 FT. C-I-P CONCRETE BOX CULVERT AT STA. 184+77.58 (ROAD S-82)

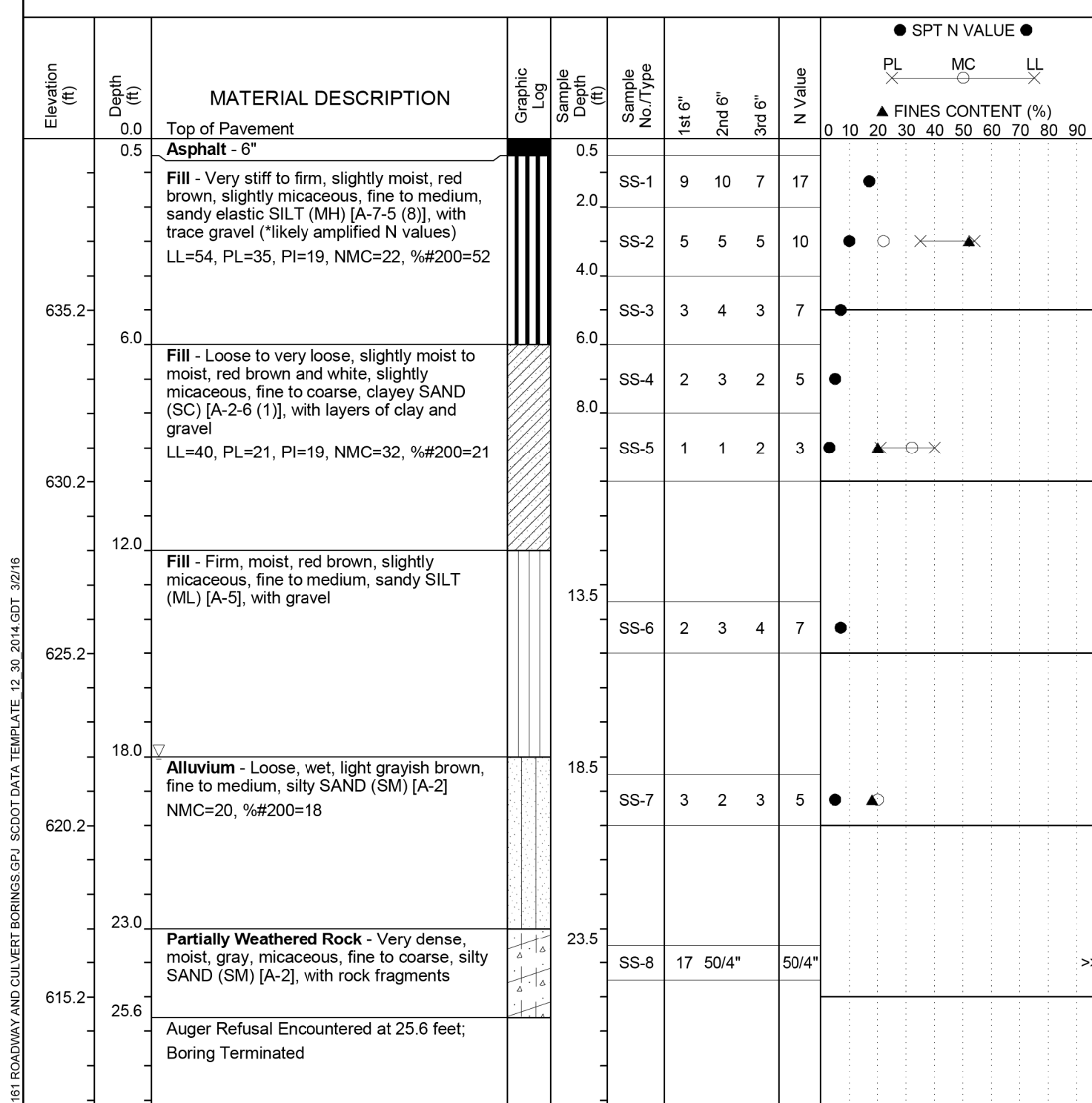
COUNTY CHEROKEE ROUTE S-82

NOT TO SCALE
**NOT FOR CONSTRUCTION
SUBJECT TO CHANGE**

REV.			
REV.			
REV.			
REVIEWED	A. PARRISH		
QUAN.	---	---	---
DR.	MWB	WSA	7-17
DES.	OP	WSA	7-17
BY	CHK.	DATE	

SCDOT Soil Test Log

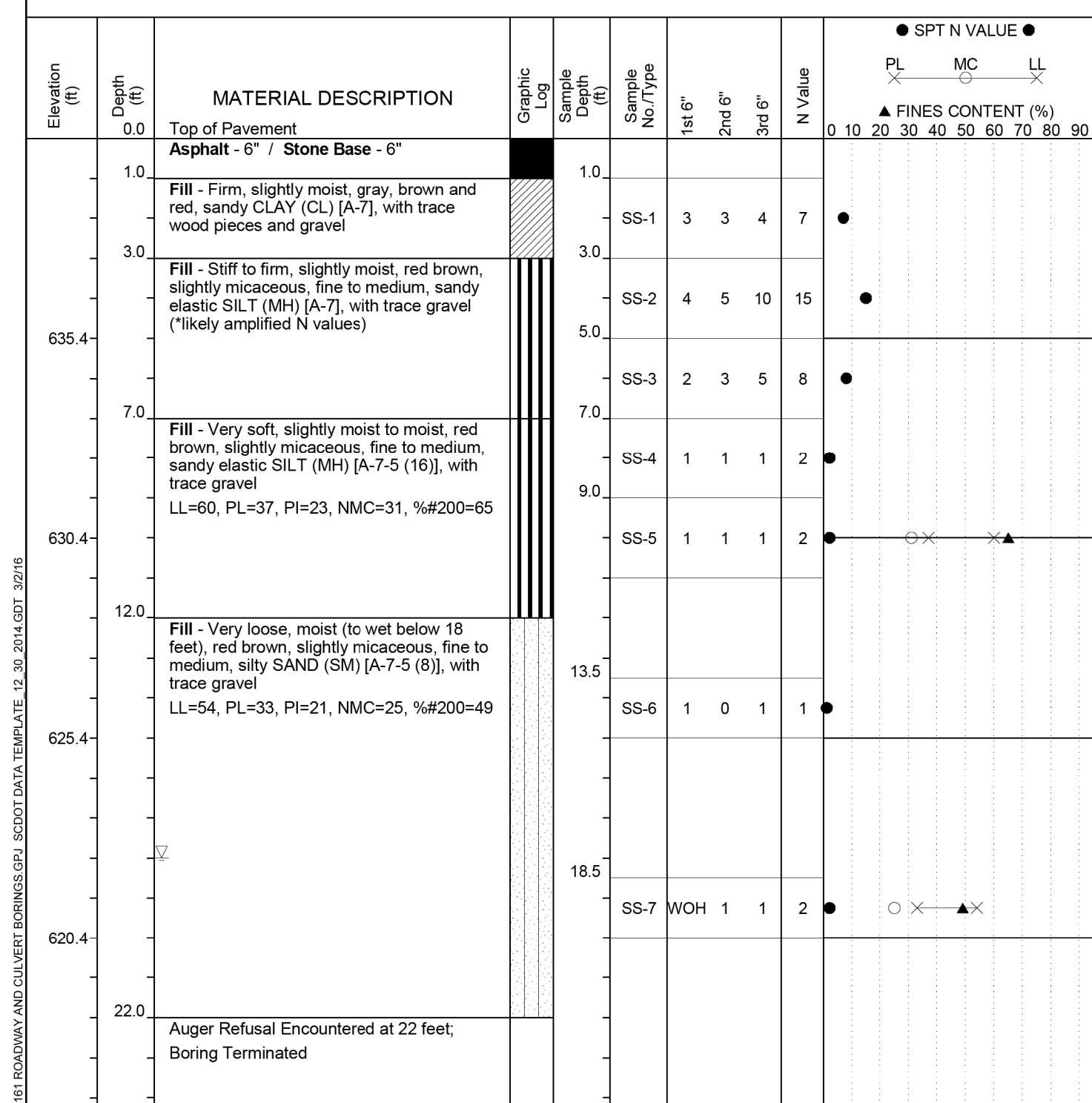
Project ID:	WBS No. 88-P027114-E1.SLB.1	County:	Sprtg./Cherokee	Boring No.:	C-9
Site Description:	I-85 Widening MM80-96 [S&ME Project 1426-14-161]				
Route:	S-11-82	Eng./Geo.:	J. Jansante	Boring Location:	185+00
Offset:	7 RT	Alignment:	Reloc. CL	Elev.:	640.2 ft
Latitude:	35.099105	Longitude:	-81.628339	Date Started:	10/16/2015
Total Depth:	25.6 ft	Soil Depth:	25.6 ft	Core Depth:	0 ft
Date Completed:	10/16/2015	Bore Hole Diameter (in):	4.25	Sampler Configuration:	Liner Required: Y (N) Liner Used: Y (N)
Drill Machine:	CME 45B	Drill Method:	HSA	Hammer Type:	Automatic
Energy Ratio:	95%	Core Size:	N/A	Driller:	T. Lanham (S&ME)
Groundwater:	TOB	18 ft	24HR	--	



SAMPLER TYPE		DRILLING METHOD	
SS - Split Spoon	NQ - Rock Core, 1-7/8"	HSA - Hollow Stem Auger	RW - Rotary Wash
UD - Undisturbed Sample	CU - Cuttings	CFA - Continuous Flight Augers	RC - Rock Core
AWG - Rock Core, 1-1/2"	CT - Continuous Tube	DC - Driving Casing	

SCDOT Soil Test Log

Project ID:	WBS No. 88-P027114-E1.SLB.1	County:	Sprtg./Cherokee	Boring No.:	C-10
Site Description:	I-85 Widening MM80-96 [S&ME Project 1426-14-161]				
Route:	S-11-82	Eng./Geo.:	J. Jansante	Boring Location:	184+65
Offset:	20 LT	Alignment:	Reloc. CL	Elev.:	640.4 ft
Latitude:	35.099046	Longitude:	-81.628505	Date Started:	10/16/2015
Total Depth:	22 ft	Soil Depth:	22 ft	Core Depth:	0 ft
Date Completed:	10/16/2015	Bore Hole Diameter (in):	4.25	Sampler Configuration:	Liner Required: Y (N) Liner Used: Y (N)
Drill Machine:	CME 45B	Drill Method:	HSA	Hammer Type:	Automatic
Energy Ratio:	95%	Core Size:	N/A	Driller:	T. Lanham (S&ME)
Groundwater:	TOB	18 ft	24HR	--	



SAMPLER TYPE		DRILLING METHOD	
SS - Split Spoon	NQ - Rock Core, 1-7/8"	HSA - Hollow Stem Auger	RW - Rotary Wash
UD - Undisturbed Sample	CU - Cuttings	CFA - Continuous Flight Augers	RC - Rock Core
AWG - Rock Core, 1-1/2"	CT - Continuous Tube	DC - Driving Casing	

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FOR INFORMATION ONLY

NOT FOR CONSTRUCTION
SUBJECT TO CHANGE



PLANS PREPARED BY:

PARRISH & PARTNERS

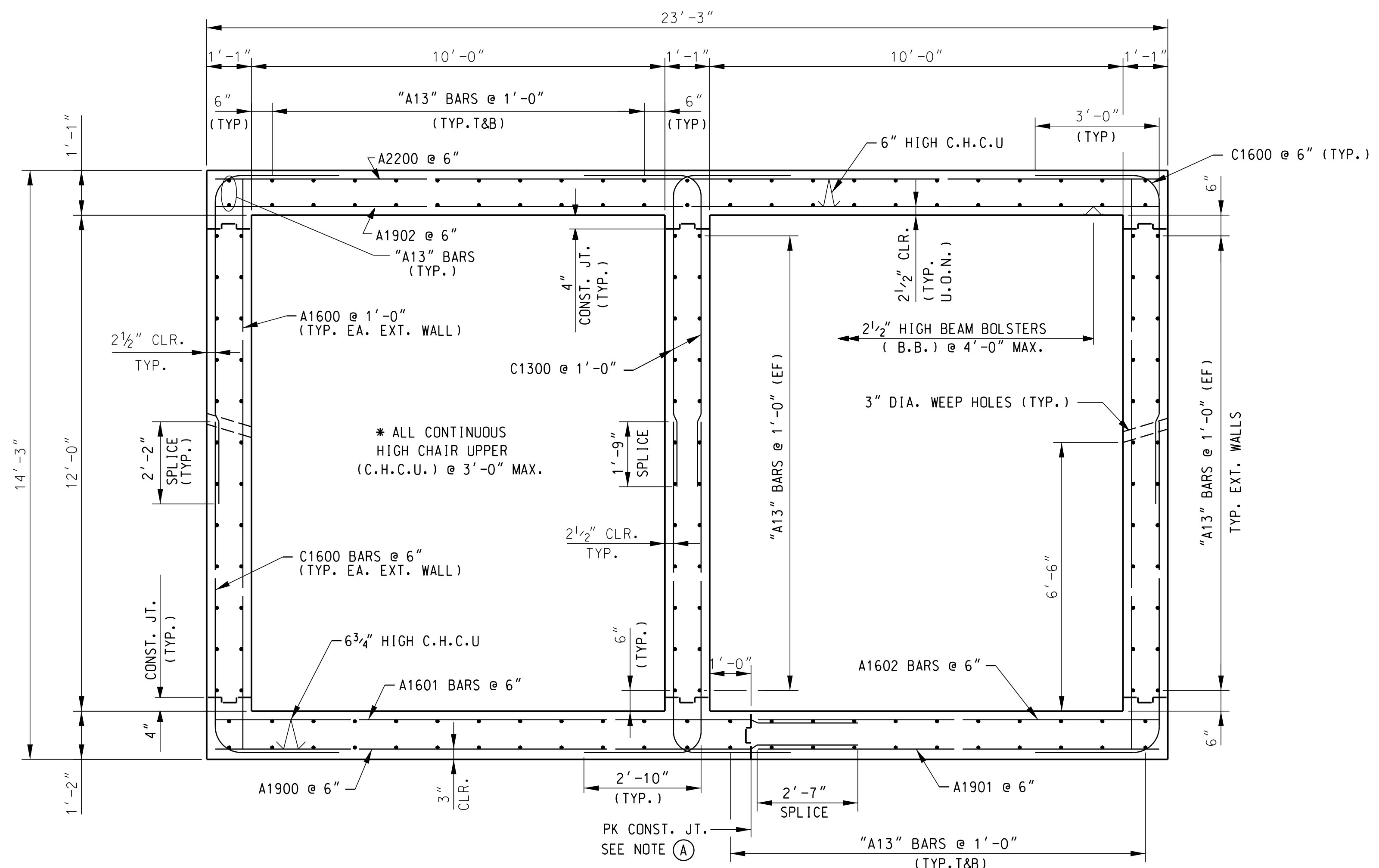
SOUTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BORING LOGS

DBL 10 FT. X 12 FT. C-I-P CONCRETE BOX CULVERT
AT STA. 184+77.58 (ROAD S-82)

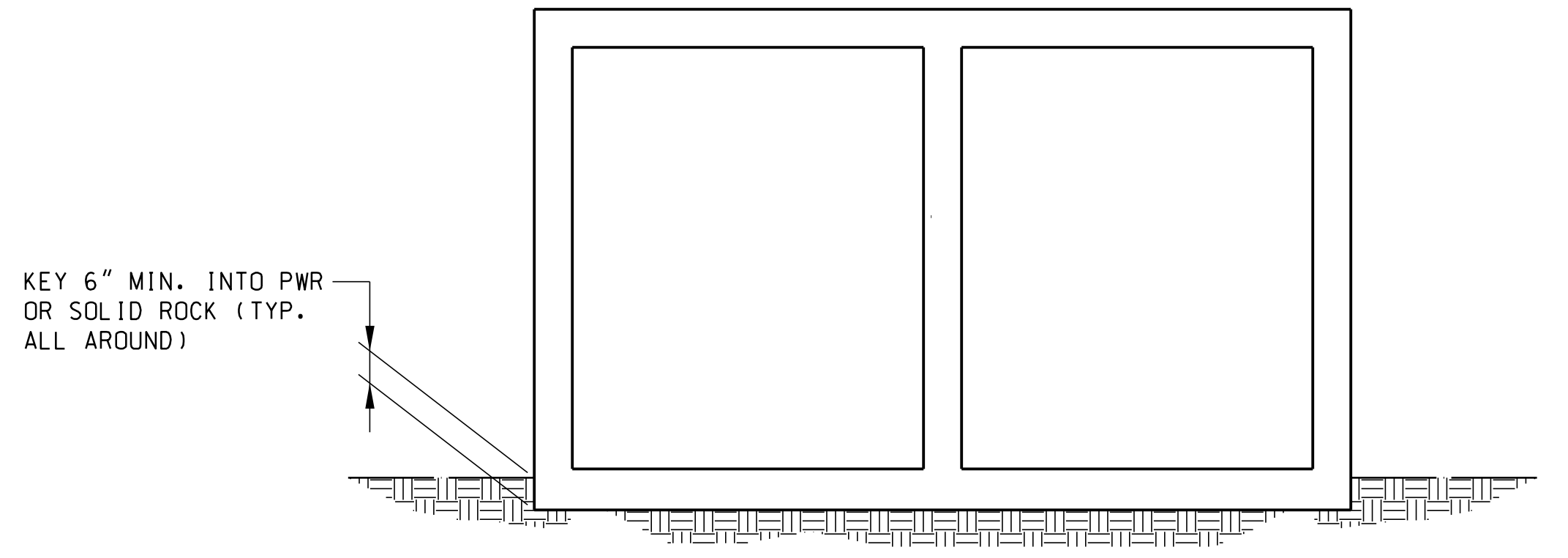
REV.			
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REV.			
REVIEWED	A. PARRISH		
QUAN.	-	-	-
DR.	MWB	WSA	8-17
DES.	OP	WSA	7-17
BY	CHK.	DATE	

COUNTY	CHEROKEE	ROUTE	S-82
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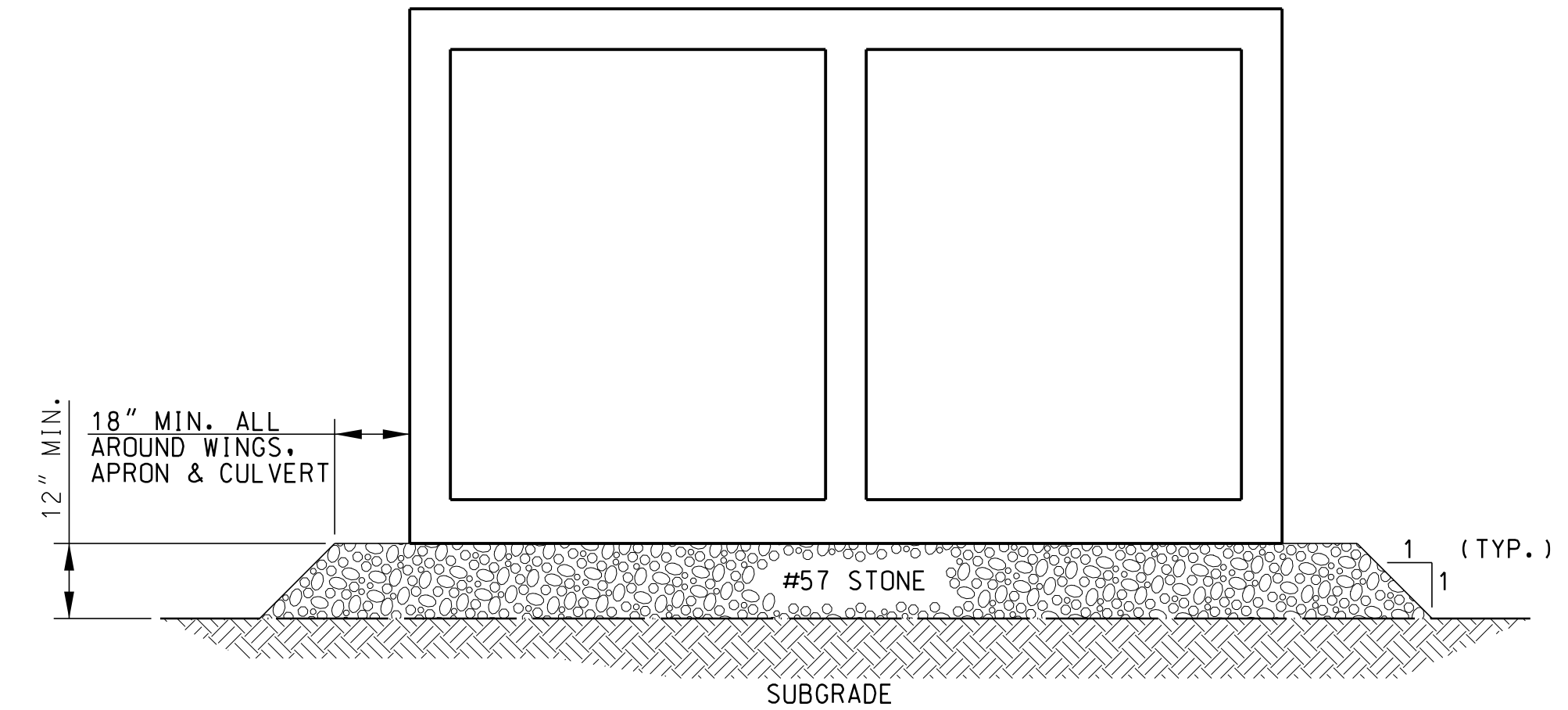


NOTE: "A13" BARS MAY BE SHIFTED SLIGHTLY TO CLEAR WEEP HOLES.

TYPICAL SECTION
(LOOKING UPSTREAM)
SCALE: 1/2"=1'-0"

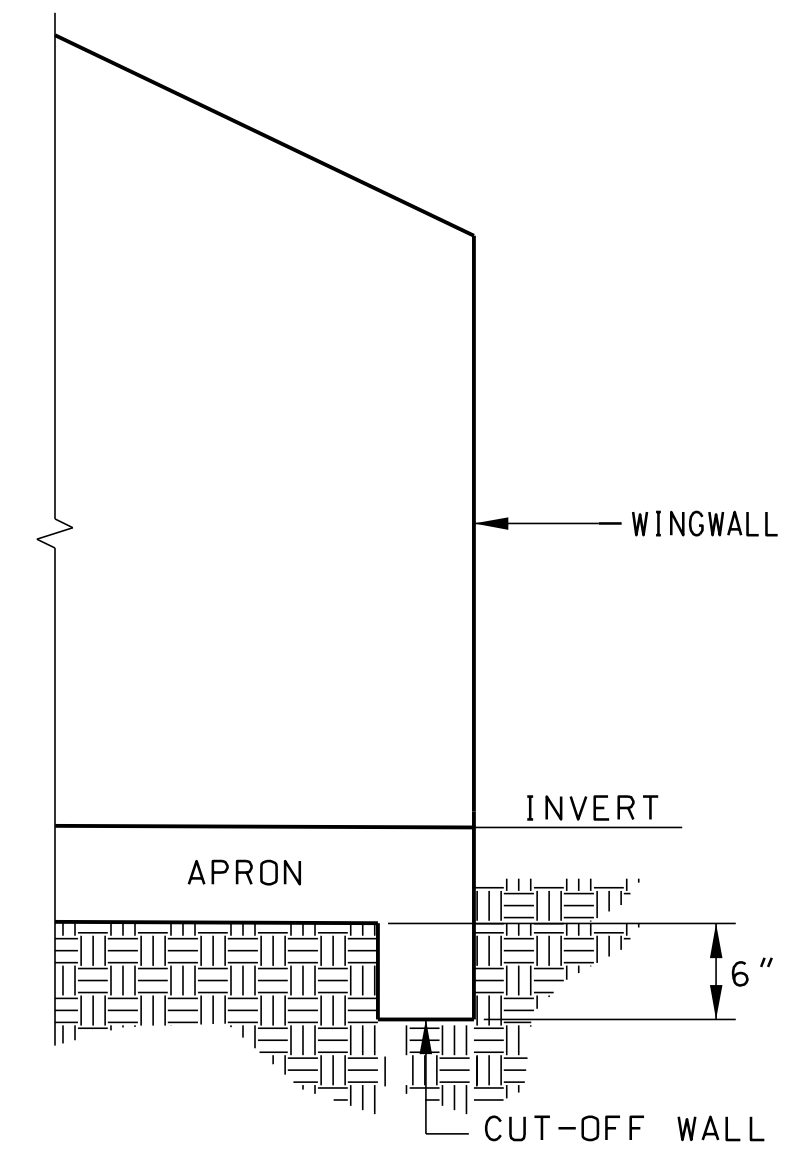


WITH ROCK

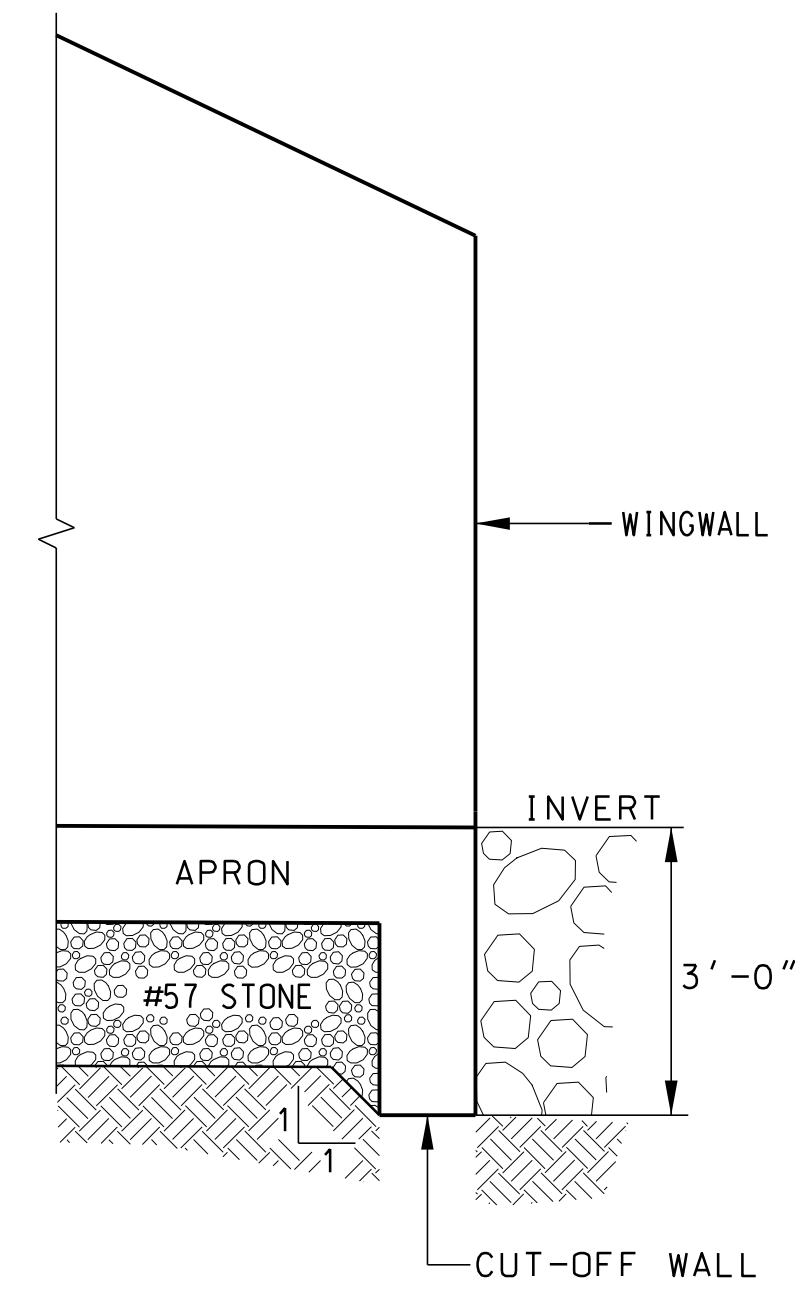


WITHOUT ROCK

BEDDING DETAIL THRU BARREL
NTS



WITH ROCK



WITHOUT ROCK

BEDDING DETAIL AT CUT-OFF WALL
SCALE: 1/2"=1'-0"

NOTE (A) :
PERMISSIBLE KEYED CONSTRUCTION JOINT BARREL LOCATION MAY BE MIRRORED ABOUT CULVERT CENTERLINE AND REINFORCEMENT ADJUSTED ACCORDINGLY.



PLANS PREPARED BY:



SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

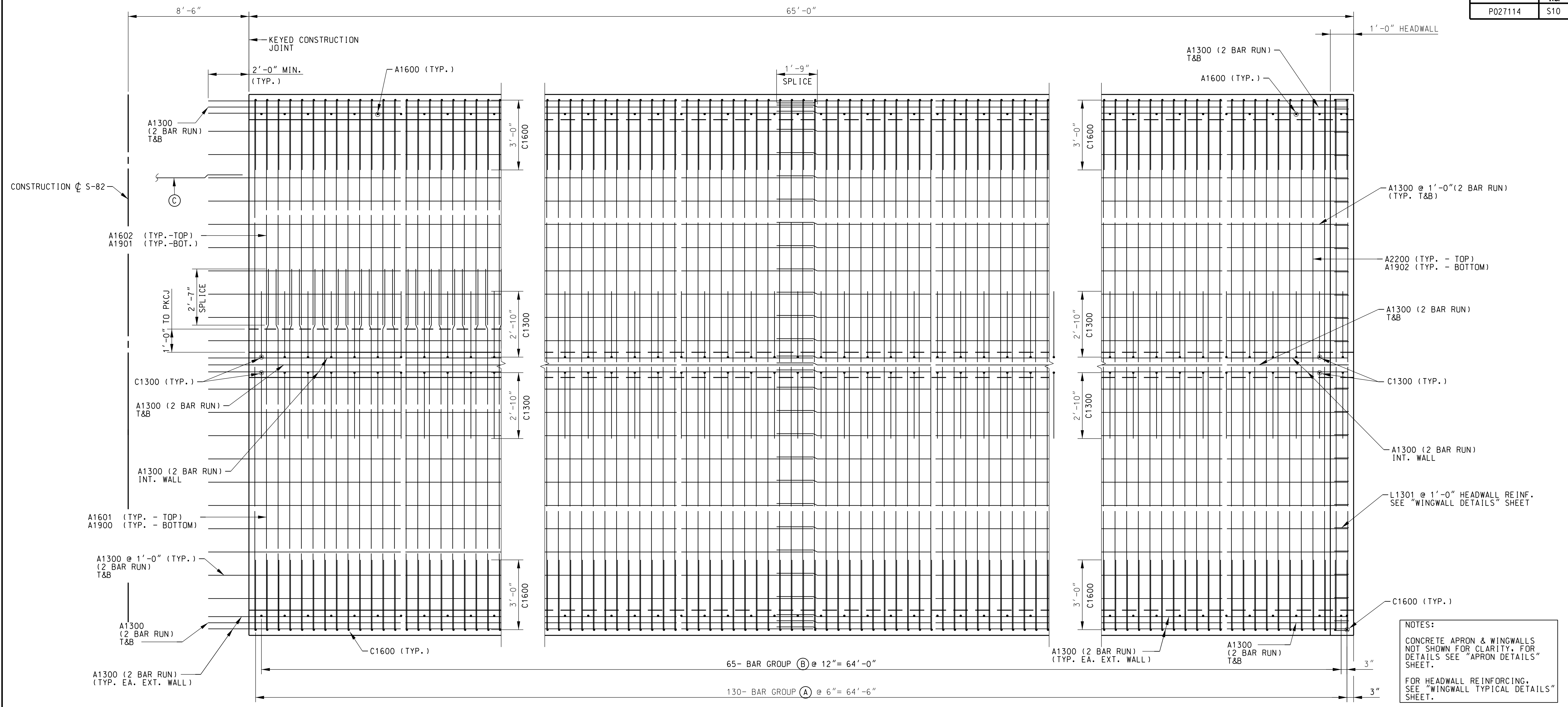
BOX CULVERT SECTION AND DETAILS

DBL. 10 FT. X 12 FT. C-I-P CONCRETE BOX CULVERT AT STA. 184+77.58 (ROAD S-82)

COUNTY CHEROKEE ROUTE S-82

REV.			
REV.			
REV.			
REVIEWED	A. PARRISH		
QUAN.	---	---	---
DR.	GCM	WSA	8-17
DES.	OP	WSA	7-17
BY	CHK.	DATE	

**NOT FOR CONSTRUCTION
SUBJECT TO CHANGE**



NOTES:
 CONCRETE APRON & WINGWALLS NOT SHOWN FOR CLARITY. FOR DETAILS SEE "APRON DETAILS" SHEET.
 FOR HEADWALL REINFORCING, SEE "WINGWALL TYPICAL DETAILS" SHEET.

NOTES: SEE BARREL "TYPICAL SECTION" FOR ADDITIONAL DETAILS.

(C) A1301 (STAGE 3) W/ 1'-9" MINIMUM LAP SPLICE
 TYPICAL ALL LONGITUDINAL A1300 (STAGE 1)

STAGE 1 PLAN
 SCALE: 1/2"=1'-0"

- NOTES:
- BAR GROUP (A) CONSISTS OF:
- (1) A1900 LAP TO (1) A1901 (BOTTOM OF BOTTOM SLAB)
 - (1) A1601 LAP TO (1) A1602 (TOP OF BOTTOM SLAB)
 - (4) C1600 LAP TO C1600 (EXTERIOR WALLS)
 - (1) A1902 (BOTTOM OF TOP SLAB)
 - (1) A2200 (TOP OF TOP SLAB)
- BAR GROUP (B) CONSISTS OF:
- (2) A1600 (EXTERIOR WALL, INSIDE FACE)
 - (4) C1300 (INTERIOR WALL, BOTH FACES)

NOT FOR CONSTRUCTION
SUBJECT TO CHANGE

REV.			
REV.			
REV.			
REVIEWED	A. PARRISH		
QUAN.	GCM WSA	8-17	
DR.	GCM WSA	8-17	
DES.	OP WSA	7-17	
BY	CHK.	DATE	

PLANS PREPARED BY:
PARRISH & PARTNERS

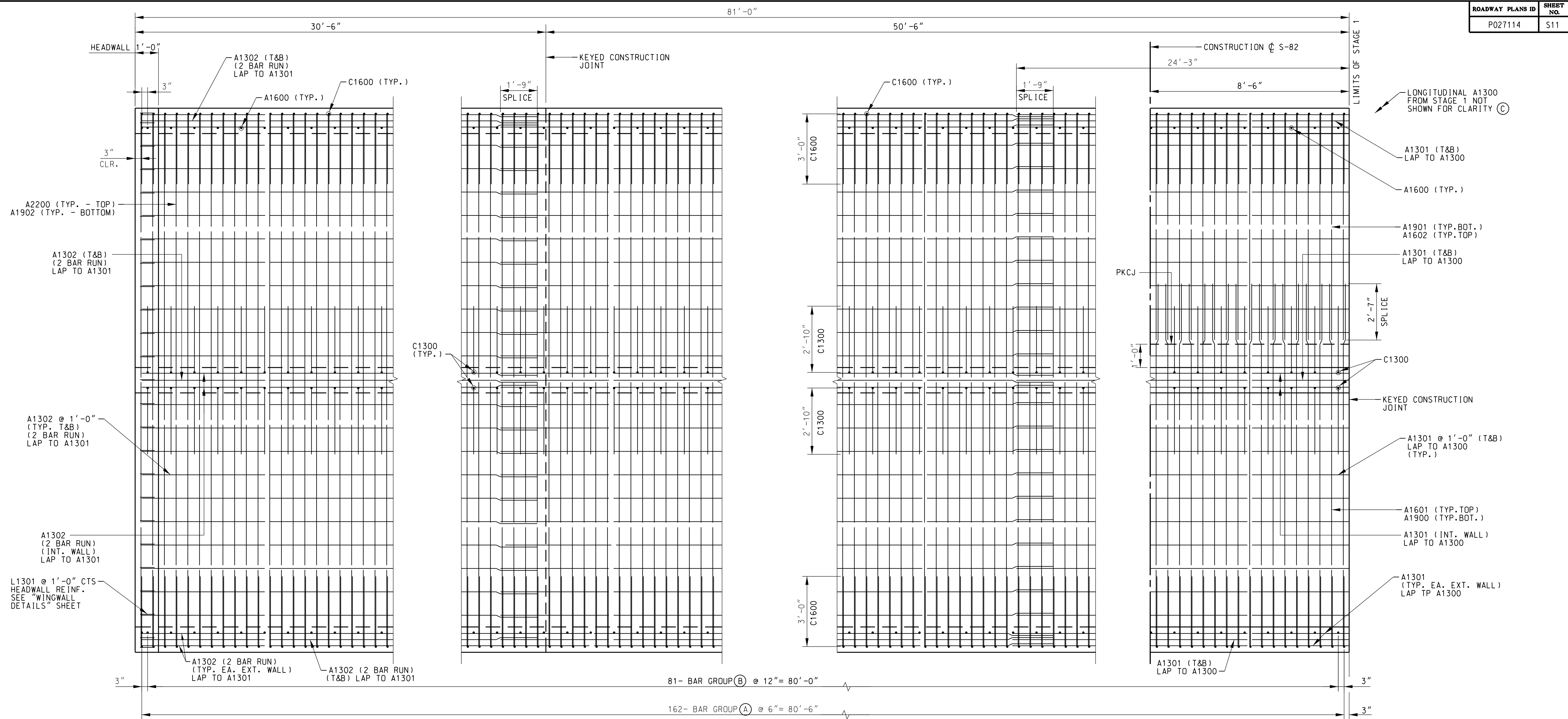
SOUTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BOX CULVERT REINFORCEMENT
STAGE 1

DBL. 10 FT. X 12 FT. C-I-P CONCRETE BOX CULVERT
 AT STA. 184+77.58 (ROAD S-82)

COUNTY	CHEROKEE	ROUTE	S-82
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NOTES:
 CONCRETE APRON & WINGWALLS NOT SHOWN FOR CLARITY. FOR DETAILS SEE "APRON DETAILS" SHEET.
 FOR HEADWALL REINFORCING, SEE "WINGWALL TYPICAL DETAILS" SHEET.

TOP SLAB REINFORCEMENT

LAP SPLICE REINFORCEMENT TOP AND BOTTOM

BOTTOM SLAB REINFORCEMENT

NOTES: SEE BARREL "TYPICAL SECTION" FOR ADDITIONAL DETAILS.

Ⓒ A1301 (STAGE 3) W/ 1'-9" MINIMUM LAP SPLICE TYPICAL ALL LONGITUDINAL A1300 (STAGE 1)

STAGE 3 PLAN
 SCALE: 1/2"=1'-0"

- NOTES:
- BAR GROUP (A) CONSISTS OF:
- (1) A1900 LAP TO (1) A1901 (BOTTOM OF BOTTOM SLAB)
 - (1) A1601 LAP TO (1) A1602 (TOP OF BOTTOM SLAB)
 - (4) C1600 LAP TO C1600 (EXTERIOR WALLS)
 - (1) A1902 (BOTTOM OF TOP SLAB)
 - (1) A2200 (TOP OF TOP SLAB)
- BAR GROUP (B) CONSISTS OF:
- (2) A1600 (EXTERIOR WALL, INSIDE FACE)
 - (4) C1300 (INTERIOR WALL, BOTH FACES)

NOT FOR CONSTRUCTION
SUBJECT TO CHANGE



PLANS PREPARED BY:
PARRISH & PARTNERS

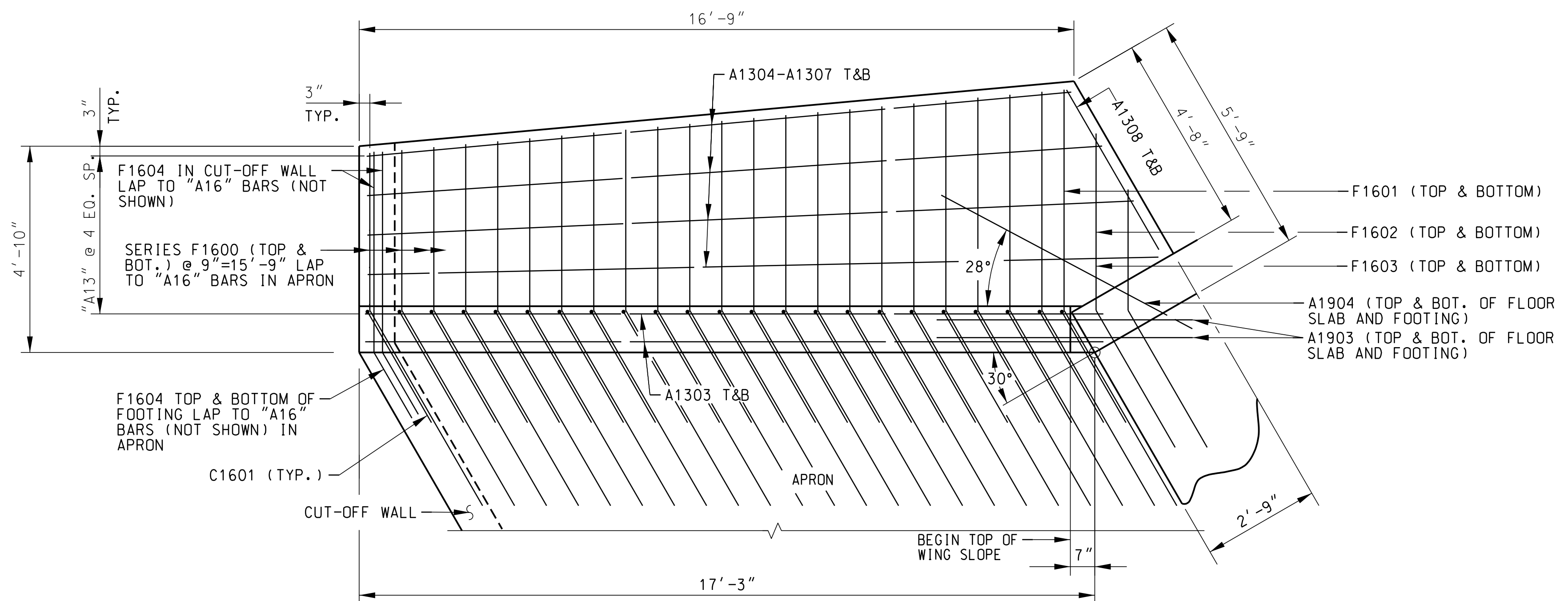
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

BOX CULVERT REINFORCEMENT STAGE 3

DBL. 10 FT. X 12 FT. C-I-P CONCRETE BOX CULVERT AT STA. 184+77.58 (ROAD S-82)

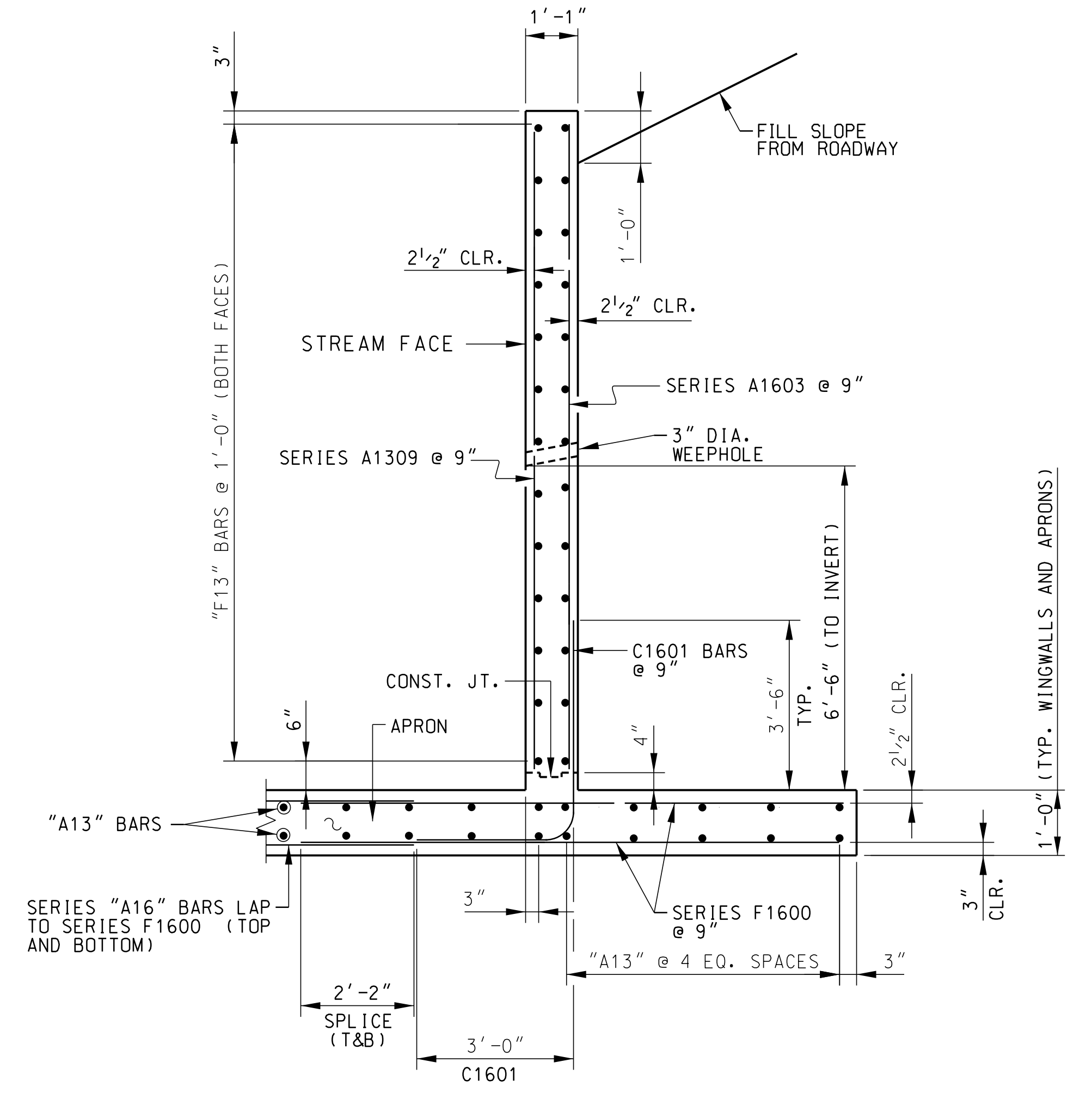
COUNTY CHEROKEE ROUTE S-82

REV.			
REV.			
REV.			
REVIEWED	A. PARRISH		
QUAN.	GCM WSA	8-17	
DR.	GCM WSA	8-17	
DES.	OP WSA	7-17	
BY	CHK.	DATE	

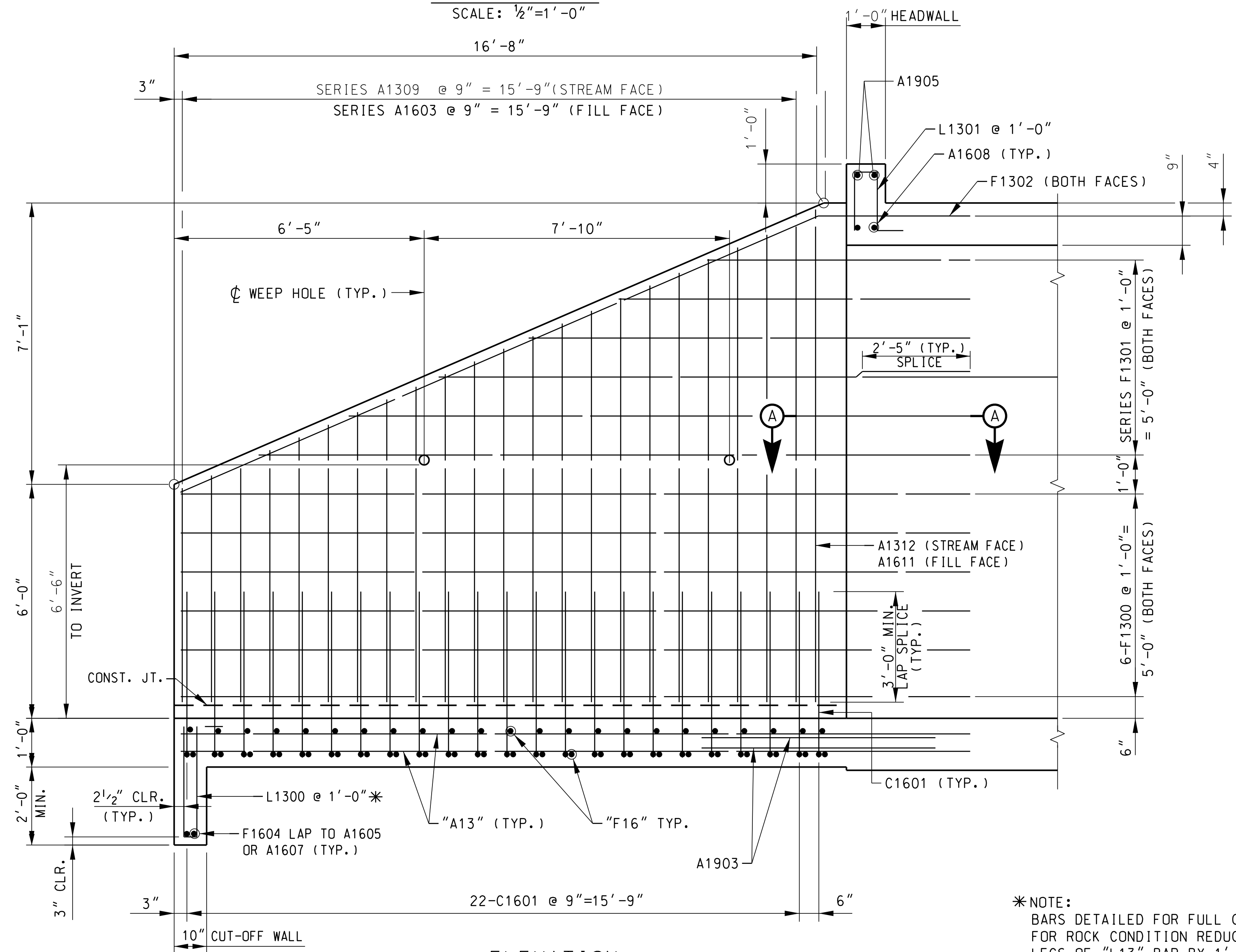


NOTE:
FOR WALL REINFORCEMENT, SEE TYPICAL WING SECTION & ELEVATION. FOR APRON REINFORCEMENT, SEE "CULVERT APRON DETAILS" SHEET.

FOOTING PLAN
SCALE: 1/2"=1'-0"

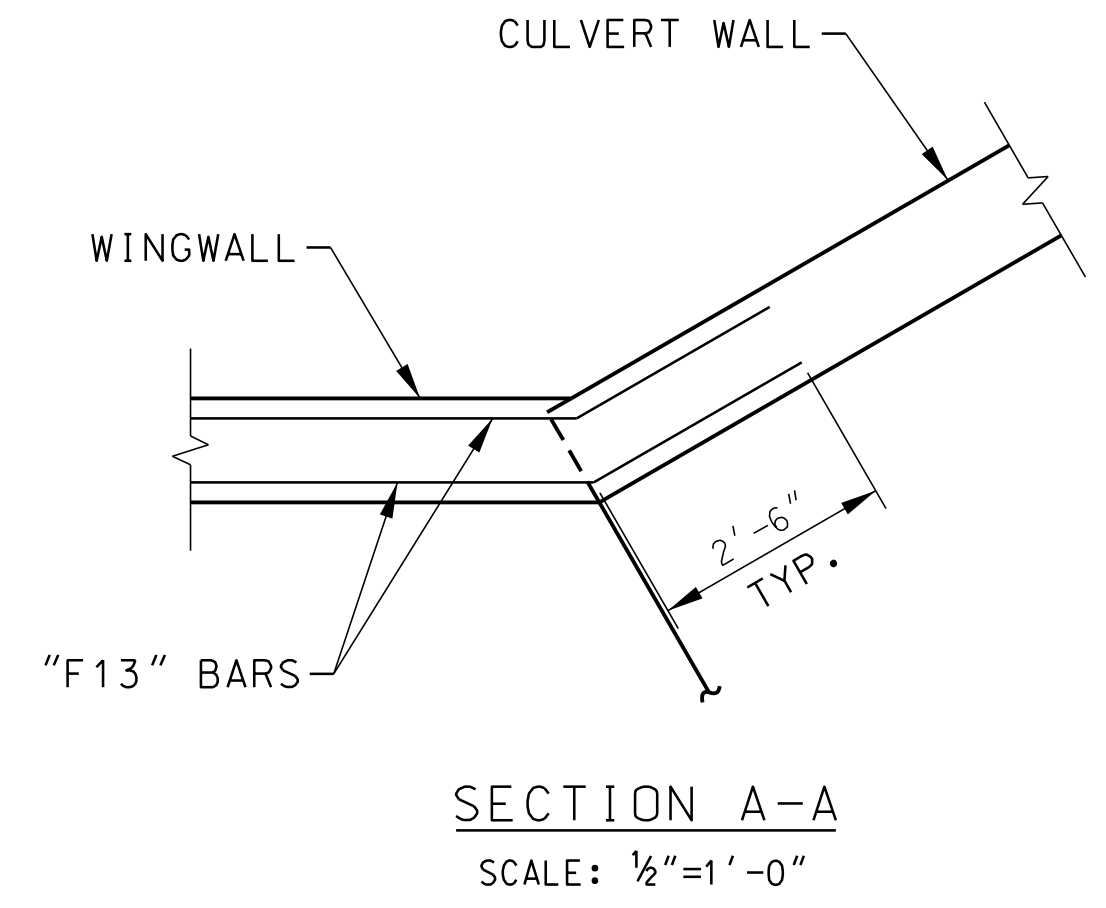


TYPICAL WINGWALL SECTION
SCALE: 1/2"=1'-0"
NOTE: FOR APRON REINFORCEMENT, SEE "CULVERT APRON DETAILS" SHEET.



ELEVATION
SCALE: 1/2"=1'-0"

*NOTE:
BARS DETAILED FOR FULL CUT-OFF WALL.
FOR ROCK CONDITION REDUCE VERTICAL LEGS OF "L13" BAR BY 1'-6".



SECTION A-A
SCALE: 1/2"=1'-0"

**NOT FOR CONSTRUCTION
SUBJECT TO CHANGE**



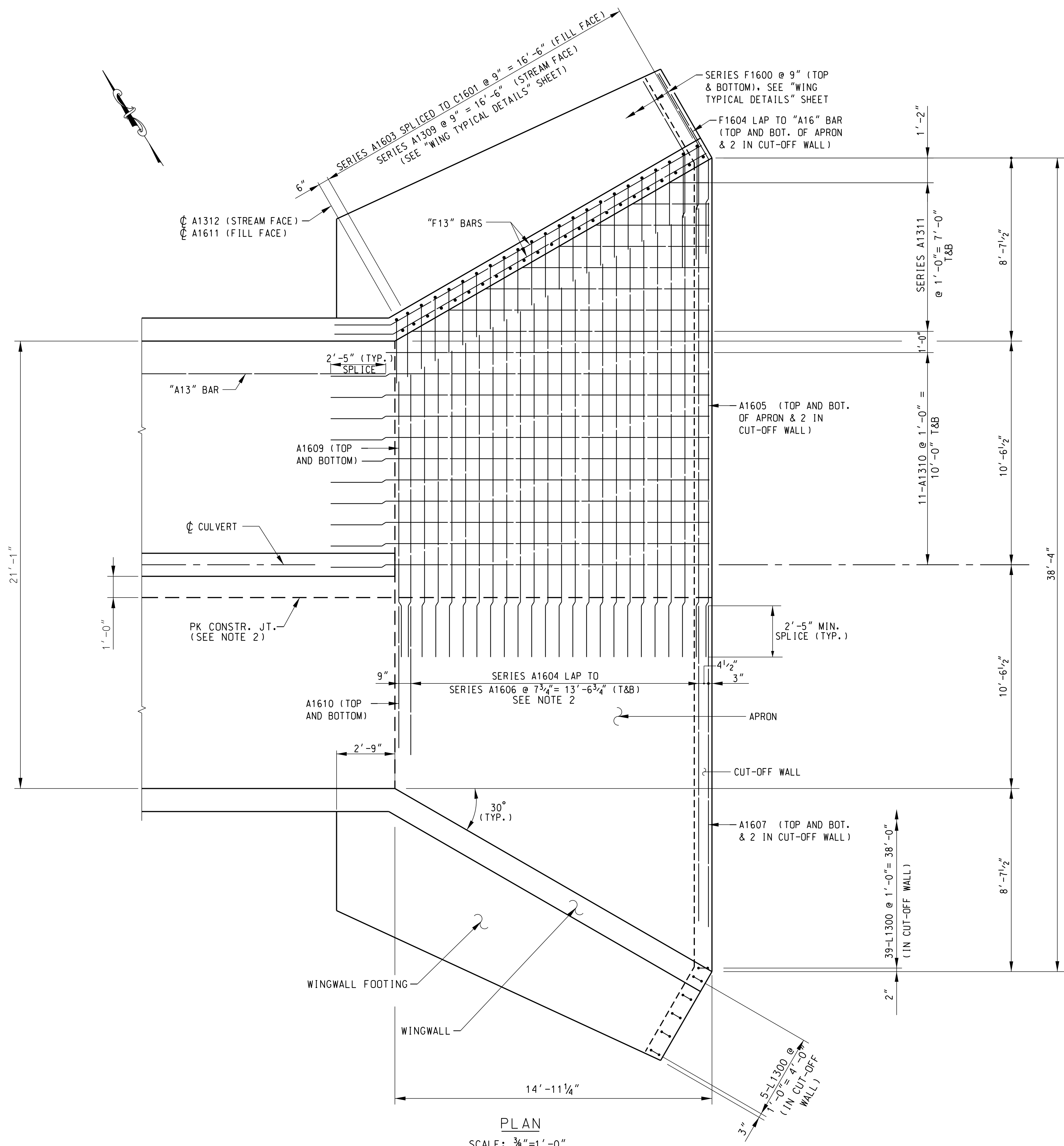
PLANS PREPARED BY:
PARRISH & PARTNERS

**SOUTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

WINGWALL TYPICAL DETAILS
DBL. 10 FT. X 12 FT. C-I-P CONCRETE BOX CULVERT
AT STA. 184+77.58 (ROAD S-82)

REV.				
REV.				
REV.				
REVIEWED	A. PARRISH			
QUAN.	MWB	WSA	8-17	
DR.	MWB	WSA	8-17	
DES.	OP	WSA	7-17	
BY	CHK.	DATE		

COUNTY: CHEROKEE ROUTE: S-82



DETAILS SYMMETRICAL ABOUT C
UNLESS OTHERWISE NOTED

NOTES:

1. FOR WINGWALL DETAILS NOT SHOWN, SEE "WINGWALL DETAILS" SHEET.
2. IF PK CONSTRUCTION JOINT NOT USED, SERIES A1606 BARS TO BE FULL WIDTH OF APRON AND BAR LENGTH ADJUSTED .



PLANS PREPARED BY:
PARRISH & PARTNERS

**SOUTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

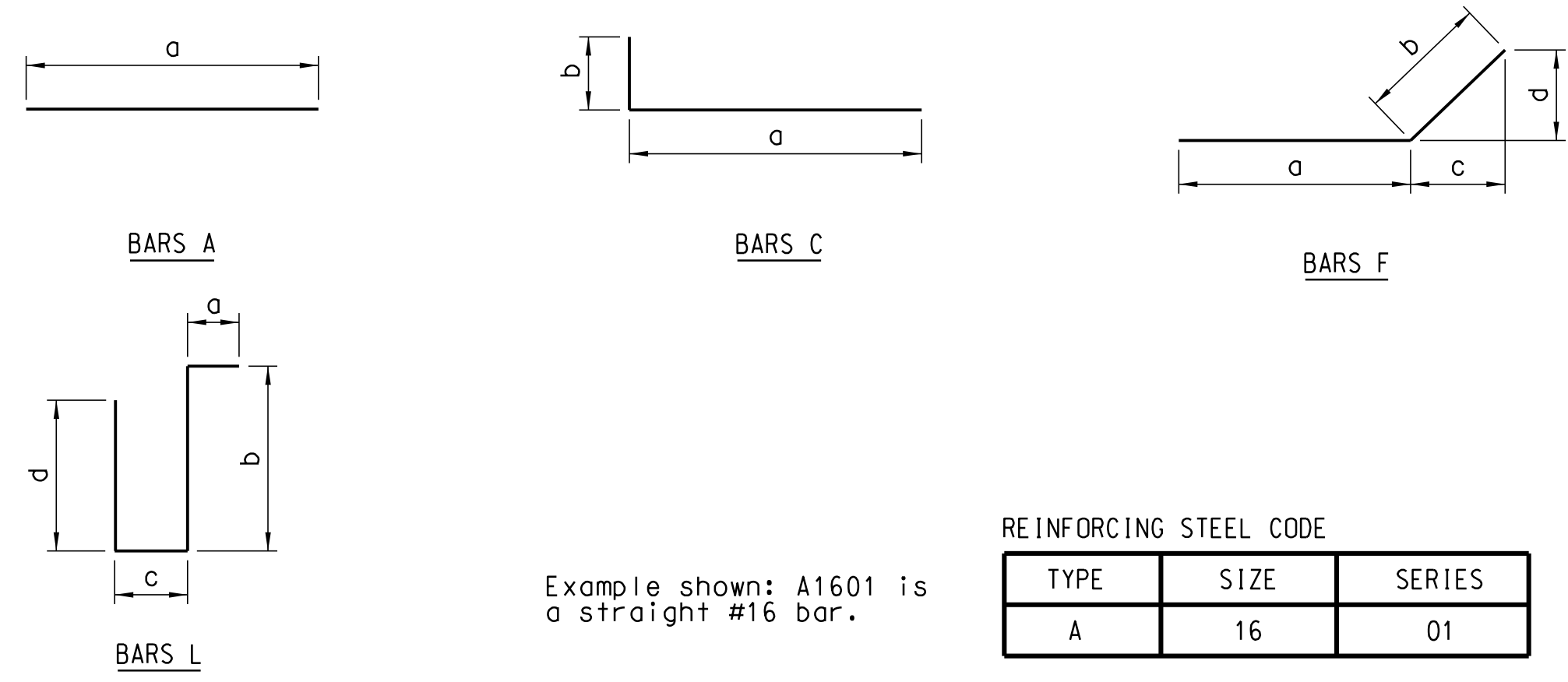
CULVERT APRON DETAILS
DBL. 10 FT. X 12 FT. C-I-P CONCRETE BOX CULVERT
AT STA. 184+77.58 (ROAD S-82)

COUNTY: CHEROKEE ROUTE: S-82

**NOT FOR CONSTRUCTION
SUBJECT TO CHANGE**

REV.			
REV.			
REV.			
REVIEWED	A. PARRISH		
QUAN.	GCM	WSA	8-17
DR.	GCM	WSA	8-17
DES.	OP	WSA	7-17
BY	CHK.	DATE	

BENDING DETAILS



Notes:

Dimensions shown are out-to-out and Standard C.R.S.I. bending details shall apply, except as noted.

MATERIAL & WORKMANSHIP

PROVIDE ALL MATERIAL AND WORKMANSHIP IN ACCORDANCE WITH THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION 2007 STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, UNLESS OTHERWISE SPECIFIED ON THE PLANS OR IN THE SPECIAL PROVISIONS.

COORDINATION OF PLANS, SPECIFICATIONS, AND SPECIAL PROVISIONS

GENERALLY, IN CASE OF DISCREPANCY, THIS GENERAL NOTES SHEET GOVERNS OVER THE STANDARD SPECIFICATIONS BUT THE REMAINDER OF THE PLANS GOVERN OVER NOTES ON THIS SHEET AND SPECIAL PROVISIONS GOVERN OVER ALL. SEE SUBSECTION 105.4 OF THE STANDARD SPECIFICATIONS.

REINFORCING STEEL

FABRICATE REINFORCING BARS IN ACCORDANCE WITH THE CURRENT C.R.S.I. MANUAL OF STANDARD PRACTICE EXCEPT FOR TIES, STIRRUPS, AND WELDED HOOPS.

CONCRETE

PROVIDE THE CLASS OF CONCRETE AS NOTED IN THE CONTRACT DOCUMENTS. FOR CAST-IN-PLACE STRUCTURAL ELEMENTS, USE CLASS 4000 CONCRETE WHERE THE CLASS OF CONCRETE IS NOT SPECIFIED IN THE CONTRACT DOCUMENTS.

CHAMFER ALL EXPOSED EDGES 3/4" UNLESS OTHERWISE NOTED.

THE MINIMUM ACCEPTABLE CONCRETE COVER FOR REINFORCING STEEL IS 1/2" LESS THAN THE PLAN DIMENSIONS WHEN REQUIRED BY REINFORCING BAR FABRICATION TOLERANCES.

ORIENTATION IN RELATION TO STATIONING

LEFT AND RIGHT SIDES, WHERE REFERRED TO IN THESE PLANS, ARE IN RELATION TO DIRECTION OF STATIONING.

NOTE:

FOR ADDITIONAL NOTES AND REQUIREMENTS SEE SCOOT STD. DRAWINGS FOR BOX CULVERTS 722-105-01, 722-105-02 AND 722-305-00.

STAGE 1 CULVERT										
BAR MARK	LOCATION	SIZE	NO. REOD.	BENDING DIMENSIONS						LENGTH
				a	b	c	d	e	f	
A1300	BARREL	13	328	34'-4"						34'-4"
A1303	WW FTG.	13	8	17'-3"						17'-3"
A1304	WW FTG.	13	4	18'-8"						17'-3"
A1305	WW FTG.	13	4	17'-11"						18'-8"
A1306	WW FTG.	13	4	17'-2"						17'-11"
A1307	WW FTG.	13	4	16'-6"						17'-2"
A1308	WW FTG.	13	4	4'-6"						16'-6"
SERIES	WWs	13	2	VARIES						196'-2"
A1309				DIM. "a" VARIES FROM 5'-6" TO 12'-4" IN INCR. OF 3 7/8" (22 BARS IN SERIES).						
A1310	APRON	13	42	17'-6"						17'-6"
SERIES	APRON	13	4	VARIES						64'-0"
A1311				DIM. "a" VARIES FROM 2'-2" TO 13'-10" IN INCR. OF 1'-8" (8 BARS IN SERIES).						
A1312	WWs	13	2	12'-5"						12'-5"
A1600	BARREL WALLS	16	130	13'-10"						13'-10"
A1601	BOT. SLAB	16	130	15'-9"						15'-9"
A1602	BOT. SLAB	16	130	9'-9"						9'-9"
SERIES	WWs	16	2	VARIES						196'-2"
A1603				DIM. "a" VARIES FROM 5'-6" TO 12'-4" IN INCR. OF 3 7/8" (22 BARS IN SERIES).						
SERIES	APRON	16	2	VARIES						364'-10"
A1604				DIM. "a" VARIES FROM 12'-8" TO 20'-6" IN INCR. OF 4 1/2" (22 BARS IN SERIES).						
A1605	APRON/CUT-OFF WALL	16	4	20'-6"						20'-6"
SERIES	APRON	16	2	VARIES						242'-0"
A1606				DIM. "a" VARIES FROM 7'-1" TO 14'-11" IN INCR. OF 4 1/2" (22 BARS IN SERIES).						
A1607	APRON/CUT-OFF WALL	16	4	14'-11"						14'-11"
A1608	TOP SLAB / HDWLL.	16	2	22'-11"						22'-11"
A1609	APRON	16	2	12'-8"						12'-8"
A1610	APRON	16	2	6'-10"						6'-10"
A1611	WWs	16	2	12'-5"						12'-5"
A1900	BOT. SLAB	19	130	15'-9"						15'-9"
A1901	BOT. SLAB	19	130	9'-9"						9'-9"
A1902	TOP SLAB	19	130	22'-10"						22'-10"
A1903	WW FTG.	19	4	6'-0"						6'-0"
A1904	WW FTG.	19	4	6'-8"						6'-8"
A1905	HDWLL.	19	2	22'-11"						22'-11"
A2200	BARREL	22	130	22'-10"						22'-10"
C1300	BARREL	13	260	7'-10"	2'-10"					10'-8"
C1600	BARREL	16	520	8'-0"	3'-0"					11'-0"
C1601	WWs	16	46	4'-3"	3'-0"					7'-3"
F1300	WWs	13	24	16'-11"	2'-6"	2'-2"	1'-3"			19'-5"
SERIES	WW FTG.	13	4	VARIES						67'-9"
F1301				DIM. "a" VARIES FROM 2'-11" TO 14'-8" IN INCR. OF 2'-4 3/16" (6 BARS IN SERIES).						
F1302	WWs	13	4	18'-2"	2'-10"	2'-5"	1'-5"			21'-0"
SERIES	WW FTG.	16	4	VARIES						213'-7"
F1600				DIM. "a" VARIES FROM 3'-9" TO 5'-2" IN INCR. OF 0 13/16" (22 BARS IN SERIES).						
F1601	WW FTG.	16	4	5'-3"	5'-3"	4'-6 9/16"	2'-7 1/2"			10'-6"
F1602	WW FTG.	16	4	4'-2"	5'-3"	4'-6 9/16"	2'-7 1/2"			9'-5"
F1603	WW FTG.	16	4	2'-9"	5'-3"	4'-6 9/16"	2'-7 1/2"			8'-0"
F1604	APRON/CUT-OFF WALL	16	4	4'-6"	5'-3"	4'-6 9/16"	2'-7 1/2"			9'-9"
L1300	CUT-OFF WALL	13	49	8"	2'-7"	4"	2'-7"			6'-2"
L1301	TOP SLAB / HDWLL.	13	23	8"	1'-6"	7"	1'-6"			4'-3"
CHCU	BOTTOM SLAB	6 3/4"								AS NEC.
CHCU	TOP SLAB	6"								AS NEC.
BB	TOP SLAB	2 1/2"								AS NEC.

STAGE 3 CULVERT										
BAR MARK	LOCATION	SIZE	NO. REOD.	BENDING DIMENSIONS						LENGTH
				a	b	c	d	e	f	
A1301	BARREL	13	164	24'-2"						24'-2"
A1302	BARREL	13	328	30'-0"						30'-0"
A1303	WW FTG.	13	8	17'-3"						17'-3"
A1304	WW FTG.	13	4	18'-8"						18'-8"
A1305	WW FTG.	13	4	17'-11"						17'-11"
A1306	WW FTG.	13	4	17'-2"						17'-2"
A1307	WW FTG.	13	4	16'-6"						16'-6"
A1308	WW FTG.	13	4	4'-6"						4'-6"
SERIES	WWs	13	2	VARIES						194'-4"
A1309				DIM. "a" VARIES FROM 5'-6" TO 12'-2" IN INCR. OF 3 13/16" (22 BARS IN SERIES).						
A1310	APRON	13	42	17'-6"						17'-6"
SERIES	APRON	13	4	VARIES						64'-0"
A1311				DIM. "a" VARIES FROM 2'-2" TO 13'-10" IN INCR. OF 1'-8" (8 BARS IN SERIES).						
A1312	WWs	13	2	12'-5"						12'-5"
A1600	BARREL WALLS	16	162	13'-10"						13'-10"
A1601	BOT. SLAB	16	162	15'-9"						15'-9"
A1602	BOT. SLAB	16	162	9'-9"						9'-9"
SERIES	WWs	16	2	VARIES						194'-4"
A1603				DIM. "a" VARIES FROM 5'-6" TO 12'-2" IN INCR. OF 3 13/16" (22 BARS IN SERIES).						
SERIES	APRON	16	2	VARIES						364'-10"
A1604				DIM. "a" VARIES FROM 12'-8" TO 20'-6" IN INCR. OF 4 1/2" (22 BARS IN SERIES).						
A1605	APRON/CUT-OFF WALL	16	4	20'-6"						20'-6"
SERIES	APRON	16	2	VARIES						242'-0"
A1606				DIM. "a" VARIES FROM 7'-1" TO 14'-11" IN INCR. OF 4 1/2" (22 BARS IN SERIES).						
A1607	APRON/CUT-OFF WALL	16	4	14'-11"						14'-11"
A1608	TOP SLAB / HDWLL.	16	2	22'-11"						22'-11"
A1609	APRON	16	2	12'-8"						12'-8"
A1610	APRON	16	2	6'-10"						6'-10"
A1611	WWs	16	2	12'-5"						12'-5"
A1900	BOT. SLAB	19	162	15'-9"						15'-9"
A1901	BOT. SLAB	19	162	9'-9"						9'-9"
A1902	TOP SLAB	19	162	22'-10"						22'-10"
A1903	WW FTG.	19	4	6'-0"						6'-0"
A1904	WW FTG.	19	4	6'-8"						6'-8"
A1905	HDWLL.	19	2	22'-11"						22'-11"
A2200	BARREL	22	162	22'-10"						22'-10"
C1300	BARREL	13	324	7'-10"	2'-10"					10'-8"
C1600	BARREL	16	648	8'-0"	3'-0"					11'-0"
C1601	WWs	16	46	4'-3"	3'-0"					7'-3"
F1300	WWs	13	24	16'-11"	2'-6"	2'-2"	1'-3"			19'-5"
SERIES	WW FTG.	13	4	VARIES						67'-9"
F1301				DIM. "a" VARIES FROM 2'-11" TO 14'-8" IN INCR. OF 2'-4 3/16" (6 BARS IN SERIES).						
F1302	WWs	13	4	18'-2"	2'-10"	2'-5"	1'-5"			21'-0"
SERIES	WW FTG.	16	4	VARIES						213'-7"
F1600				DIM. "a" VARIES FROM 3'-9" TO 5'-2" IN INCR. OF 0 13/16" (22 BARS IN SERIES).						
F1601	WW FTG.	16	4	5'-3"	5'-3"	4'-6 9/16"	2'-7 1/2"			10'-6"
F1602	WW FTG.	16	4	4'-2"	5'-3"	4'-6 9/16"	2'-7 1/2"			9'-5"
F1603	WW FTG.	16	4	2'-9"	5'-3"	4'-6 9/16"	2'-7 1/2"			8'-0"
F1604	APRON/CUT-OFF WALL	16	4	4'-6"	5'-3"	4'-6 9/16"	2'-7 1/2"			9'-9"
L1300	CUT-OFF WALL	13	49	8"	2'-7"	4"	2'-7"			6'-2"
L1301	TOP SLAB / HDWLL.	13	23	8"	1'-6"	7"	1'-6"			4'-3"
CHCU	BOTTOM SLAB	6 3/4"								AS NEC.
CHCU	TOP SLAB	6"								AS NEC.
BB	TOP SLAB	2 1/2"								AS NEC.

ESTIMATED QUANTITIES			
ITEM	UNIT	STAGE 1	STAGE 3
CONCRETE FOR STRUCTURES, CLASS 4000	CY	255.9	318.9
REINFORCING STEEL	LBS.	41,706	50,451
TEMPORARY SHORING WALL	LF	270	---
REMOVAL & DISPOSAL OF EXIST. CULVERT	LS	1	1
RIP RAP CLASS C	TON	250	250
GEOTEXTILE FABRIC FOR EROSION CONTROL UNDER RIPRAP (CLASS 1) TYPE C	SY	185	185

**NOT FOR CONSTRUCTION
SUBJECT TO CHANGE**

REV.			
REV.			
REV.			
REV.			
REVIEWED	A. PARRISH		
QUAN.	GCM	OP	8-17
DR.	GCM	WSA	8-17
DES.	OP	WSA	7-17
BY	CHK.	DATE	

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROAD / ROUTE NO.	SHEET NO.
3	SC	SPARTANBURG CHEROKEE	P027114	INTERSTATE 85	S-15

I-85 MEDIAN BARRIER TABLE		
BARRIER TYPE	BEGIN STATION	END STATION
1A	1485+00	1486+00
1B	1486+00	1487+00
2	1487+00	1490+00
3	1490+00	1493+50
4	1493+50	1501+00
3	1501+00	1504+50
2	1504+50	1506+50
1B	1506+50	1507+00
1A	1507+00	1523+00
1B	1523+00	1523+50
2	1523+50	1526+50
1B	1526+50	1527+00
1A	1527+00	1546+50
1B	1546+50	1549+00
2	1549+00	1552+50
1A	1552+50	1556+50
1B	1556+50	1557+00
2	1557+00	1559+00
1B	1559+00	1559+50
1A	1559+50	1567+50
1B	1567+50	1568+50
2	1568+50	1570+00
1B	1570+00	1572+00
1A	1572+00	1618+50
1B	1618+50	1621+50
1A	1621+50	1636+00
1B	1636+00	1639+00
1A	1639+00	1659+50
3	1690+50	1692+50
2	1692+50	1694+00
1A	1694+00	1696+00
1B	1696+00	1697+00
1A	1697+00	1699+50
1A	1700+50	1706+50
1B	1706+50	1707+50
2	1707+50	1710+00
3	1710+00	1712+00
4	1712+00	1717+50
3	1717+50	1725+50
2	1725+50	1726+50
1B	1726+50	1727+00
1A	1727+00	1729+00
1B	1729+00	1729+50
2	1729+50	1731+50
3	1731+50	1735+50
2	1735+50	1736+50
1B	1736+50	1737+00
1A	1737+00	1739+00
1B	1739+00	1739+50
2	1739+50	1747+50
1B	1747+50	1749+00
1A	1749+00	1771+50
1B	1771+50	1772+50
2	1772+50	1790+00
1B	1790+00	1793+00
2	1793+00	1797+50
1B	1797+50	1798+50
1A	1798+50	1817+48.07

p:\parrish-pw\Documents\Projects\I-85 Widening\Design\Roadway\Sheets\PreliminaryPlans\SECTION 4\NRWD_STRUCTURE_SHEETS.dgn 10/24/2017

<p style="color: red; font-size: 24px; margin: 0;">PRELIMINARY NOT FOR CONSTRUCTION</p>	7				
	6				
	5				
	4				
	3				
	2				
	1				
SCALE: 1" = 50'	REV. NO.	BY	DATE	DESCRIPTION OF REVISION	

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION INTERSTATE 85
ROADWAY STRUCTURES PLAN SHEET
I-85 MEDIAN BARRIER TABLE