

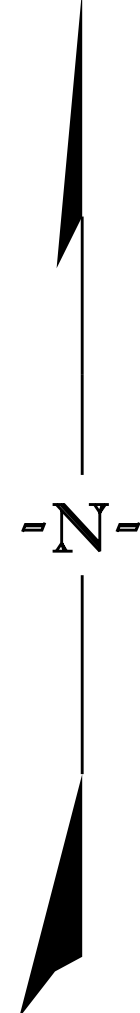
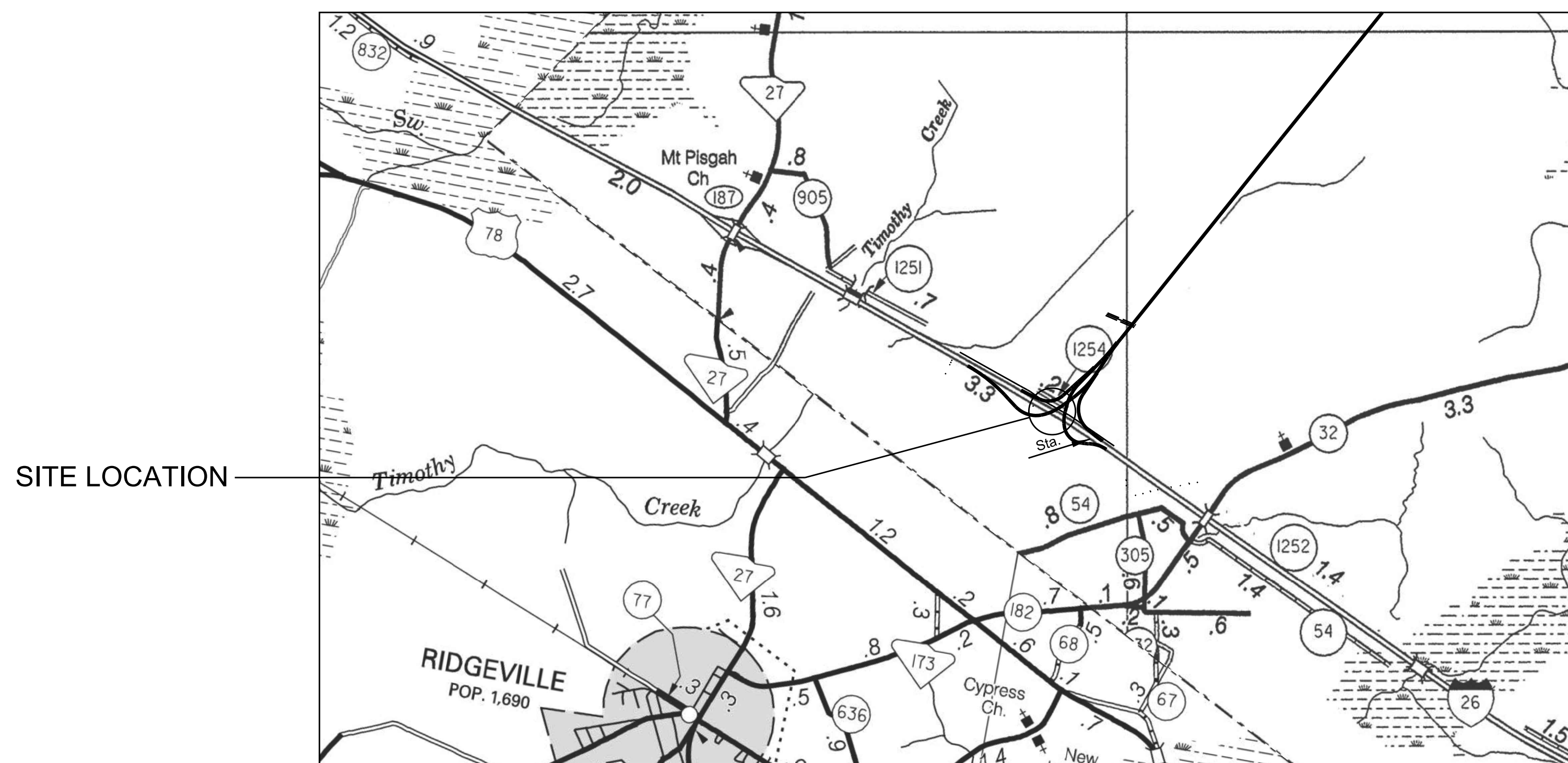


South Carolina Department of Transportation

PROPOSED PLANS FOR

BERKELEY COUNTY PROJECT ID P028843 INTERSTATE 26 RAMP 1 OVER I-26

- INDEX OF SHEETS
- TITLE SHEET
 - BRIDGE PLAN & PROFILE
 - TYPICAL SECTIONS



Approximate Location of Bridge is
 Latitude 33° - 07' - 16"
 Longitude 80° - 16' - 37"

LAYOUT

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

ASSET ID Not Assigned

TRAFFIC DATA			
YEAR	ADT	V.P.D.	
2019	910		
2039	1,760		
	TRUCKS	20 %	

NET LENGTH OF ROADWAY	0.000	MILES
NET LENGTH OF BRIDGES	0.050	MILES
NET LENGTH OF PROJECT	0.050	MILES
LENGTH OF EXCEPTIONS	0.000	MILES
GROSS LENGTH OF PROJECT	0.050	MILES

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 LETTING.

CONSULTING ENGINEERING FIRM

Stantec Consulting Services
 1411 Gervais Street, Suite 325
 Columbia, SC 29201
 Tel: (803) 748-7843
 Fax: (803) 929-0510
 www.stantec.com

ENGINEER OF RECORD

NOT FOR CONSTRUCTION

FOR CONSTRUCTION: _____ DATE _____

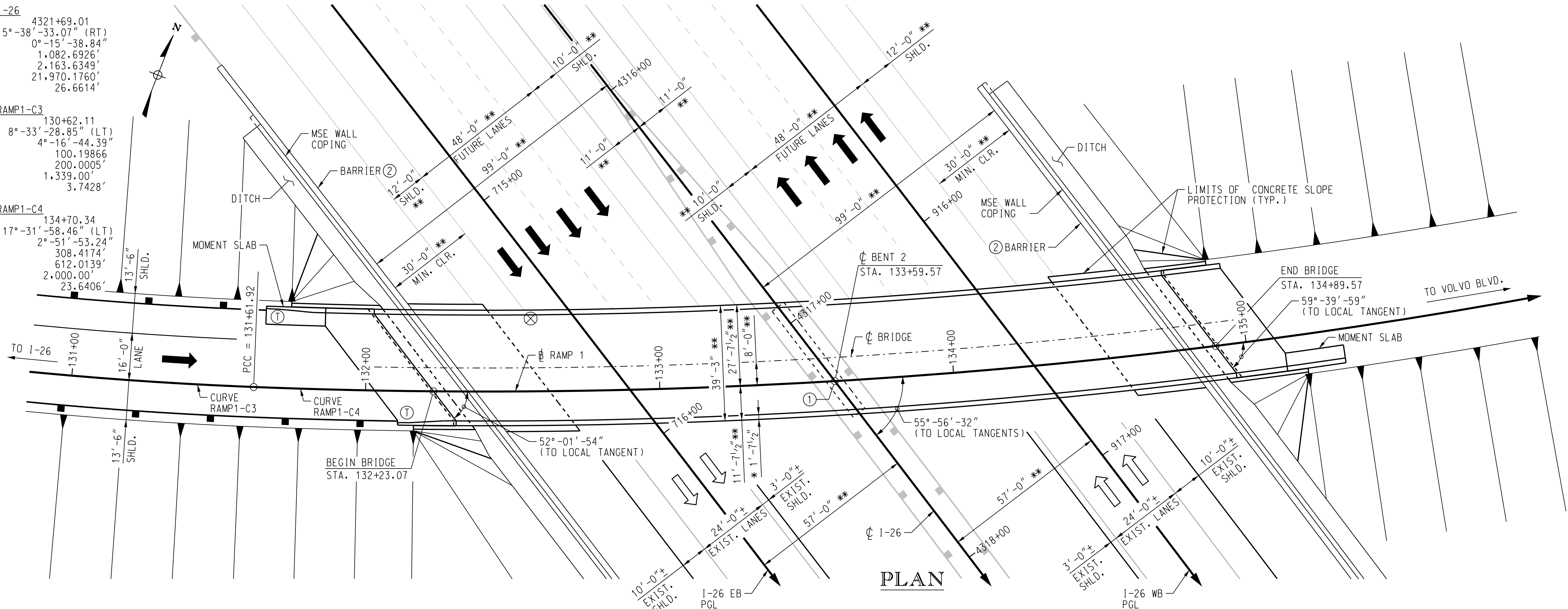
9/12/2016 4:59:06 PM
 U:\700653\Transportation\Design\Structures\Drawings\01653ts01.dgn
 U:\700653\Transportation\Design\Structures\Drawings\Microstation_Support\PLT\F0\Columbia_PDF_Creator (Full).pl
 U:\700653\Resource\Microstation_Support\Bridge\PLT\F0\SCDOT_FinTable - Bridge Plans.dtl
 User: ebecox

REVIEWED	DR.	AEC	DWT	1-16	DATE

Curve I-26
 P.I. = 4321+69.01
 Δ = 5°-38'-33.07" (RT)
 D = 0°-15'-38.84"
 T = 1,082.6926'
 L = 2,163.6349'
 R = 21,970.1760'
 E = 26.6614'

Curve RAMP1-C3
 P.I. = 130+62.11
 Δ = 8°-33'-28.85" (LT)
 D = 4°-16'-44.39"
 T = 100.19866
 L = 200.0005'
 R = 1,339.00'
 E = 3.7428'

Curve RAMP1-C4
 P.I. = 134+70.34
 Δ = 17°-31'-58.46" (LT)
 D = 2°-51'-53.24"
 T = 308.4174
 L = 612.0139'
 R = 2,000.00'
 E = 23.6406'



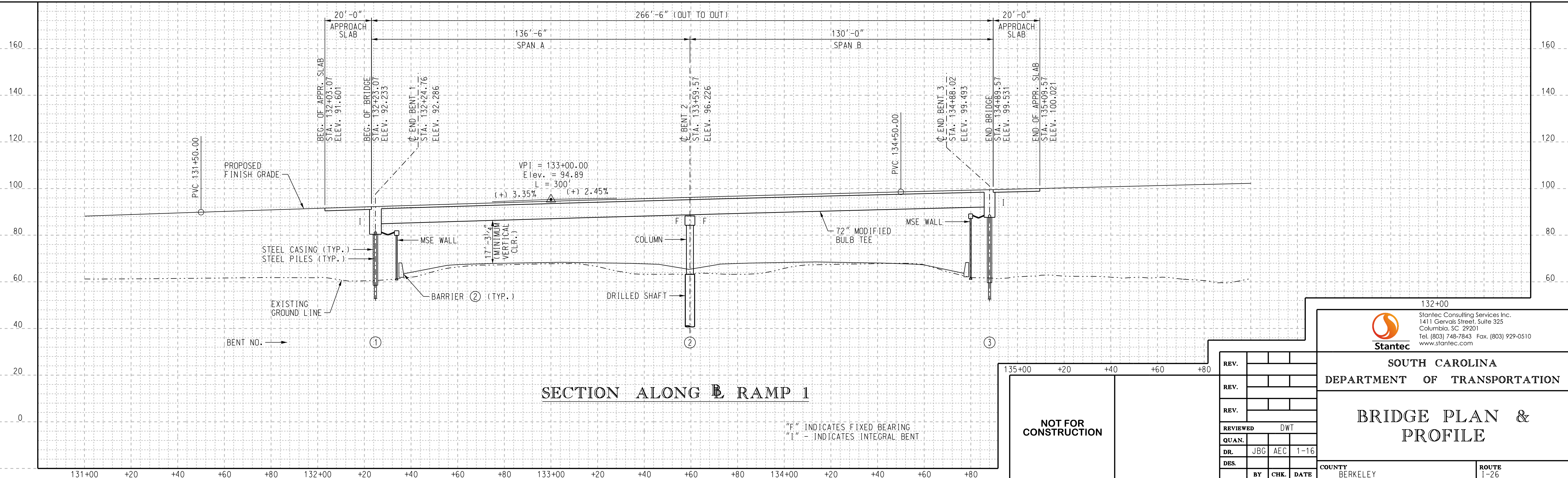
- NOTES:
- REQUIREMENT FOR DECK DRAINS HAS NOT BEEN EVALUATED.
 - BRIDGE END DRAINAGE REQUIRED BUT NOT SHOWN.
 - MIN. ALLOWABLE VERTICAL CLEARANCE IS 17'-0" MEASURED TO FUTURE I-26 TYPICAL SECTION AS SHOWN IN THE RFP.
 - ① TIE EQUALITY
P.O.C. STA. 4317+24.73 I-26
P.O.C. STA. 133+59.57 RAMP 1
 - ② FOR BARRIER DETAILS, SEE "PARTIAL MSE WALL TYPICAL SECTION" ON SHEET NO. 3
 - Ⓣ DENOTES THREE BEAM GUARDRAIL ATTACHMENT
 - ⊗ POINT OF MINIMUM VERTICAL CLEARANCE
 - * - 1'-6" BARRIER PARAPET & 1/2" SLAB EXTENSION **
 - ** - RADIAL

VPI = 713+00.00
 Elev. = 67.95
 L = 600'
 (+) 0.13% (+) 0.07%

VERTICAL GRADE DATA I-26 EB

VPI = 913+00.00
 Elev. = 68.03
 L = 600'
 (+) 0.13% (+) 0.08%

VERTICAL GRADE DATA I-26 WB



132+00

Stantec Consulting Services Inc.
 1411 Gervais Street, Suite 325
 Columbia, SC 29201
 Tel. (803) 748-7843 Fax. (803) 929-0510
 www.stantec.com

SOUTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BRIDGE PLAN & PROFILE

REV.			
REV.			
REV.			
REVIEWED	DWT		
QUAN.	JBG	AEC	1-16
DES.			
BY	CHK.	DATE	

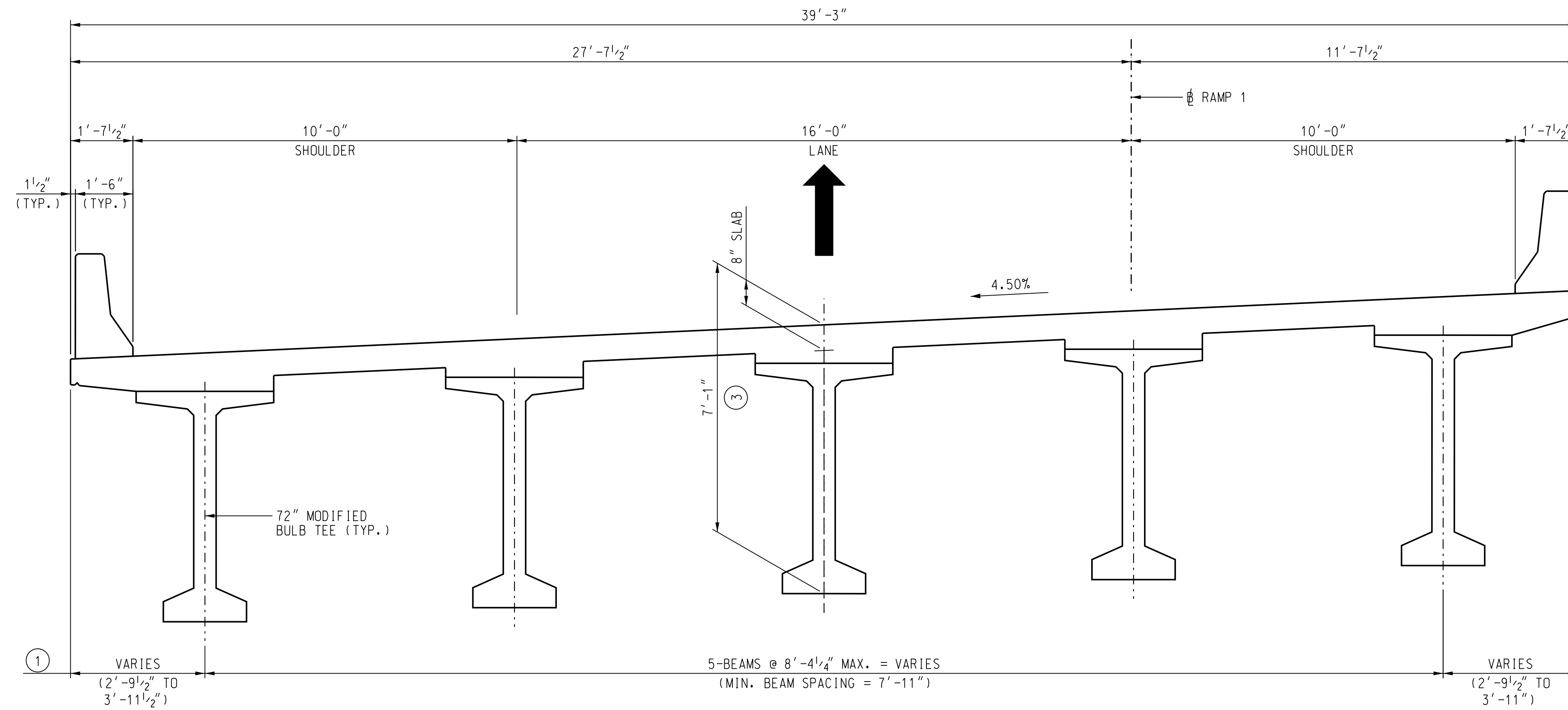
COUNTY BERKELEY

ROUTE I-26

9/12/2016 4:59:20 PM
 U:\71006537\transportation\Drawings\Structures\Drawings\01653bp01.dgn
 U:\71006537\transportation\Drawings\Structures\Drawings\01653bp01.dgn
 U:\71006537\transportation\Drawings\Structures\Drawings\01653bp01.dgn
 U:\71006537\transportation\Drawings\Structures\Drawings\01653bp01.dgn
 User: dcocker

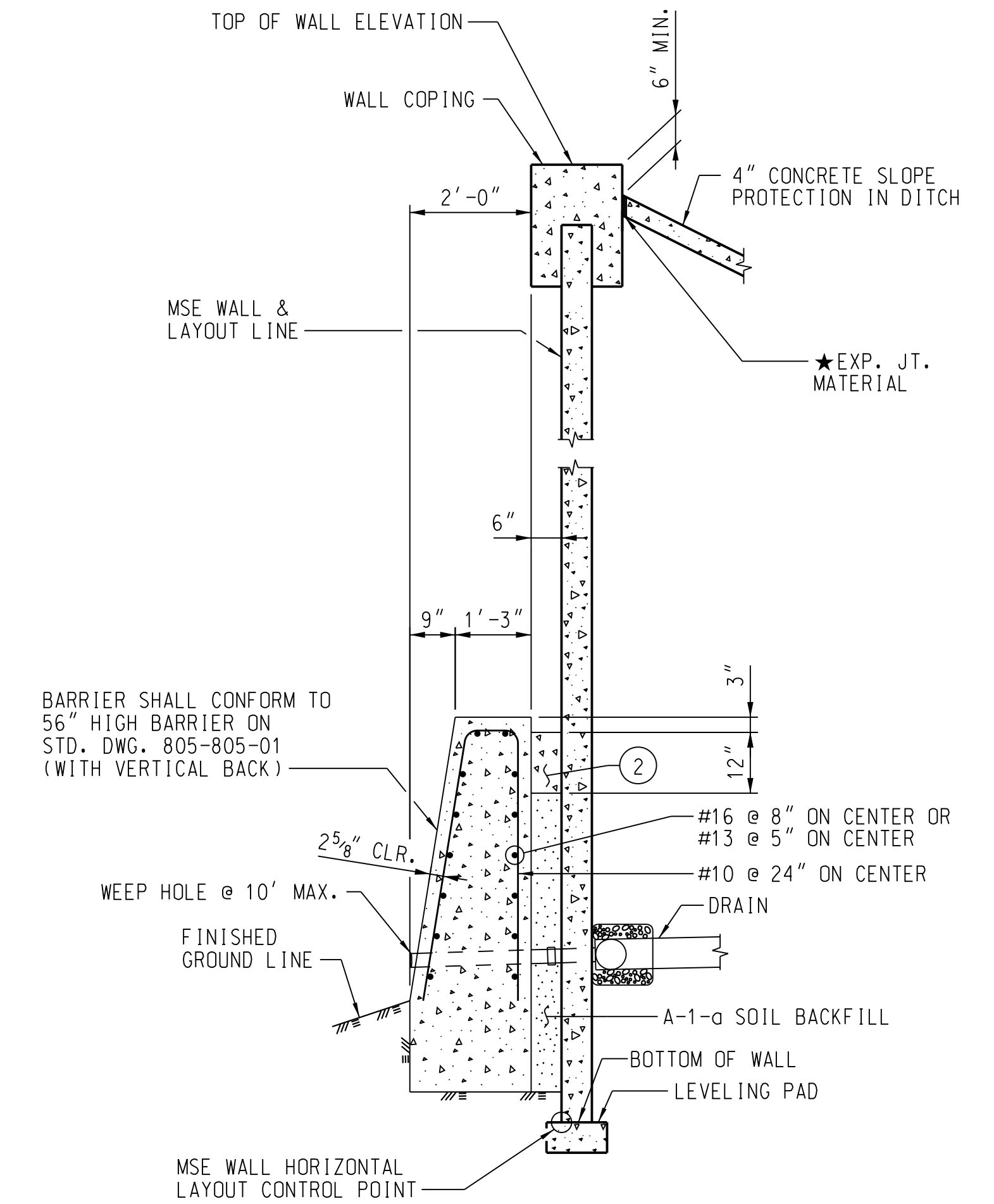
NOT FOR CONSTRUCTION

"F" INDICATES FIXED BEARING
 "I" - INDICATES INTEGRAL BENT



TYPICAL SECTION

- ① DIMENSIONS SHOWN FOR POSSIBLE LAYOUT, HOWEVER MAY VARY WITHIN LIMITS DEFINED IN BDM.
- ③ AT ϕ BEARING. VARY IN SPAN TO COMPENSATE FOR VARIATIONS IN CAMBER.




PARTIAL MSE WALL TYPICAL SECTION

WORK THIS DETAIL WITH "TYPICAL SECTION" ON GEOTECHNICAL DRAWINGS AND DETAILS DRAWING NO. 713-01b AND "TYPICAL SECTION AT END BENTS" ON GEOTECHNICAL DRAWINGS AND DETAILS DRAWING NO. 713-01c.

- ② COARSE AGGREGATE BACKFILL (USE AGGREGATE NO. 5, NO. 57, NO. 67 OR NO. 6M)

NOT FOR CONSTRUCTION

REV.			
REV.			
REV.			
REVIEWED	DWT		
QUAN.			
DR.	JBG	AEC	2-16
DES.			
BY	CHK.	DATE	

 Stantec Consulting Services Inc. 1411 Gervais Street, Suite 325 Columbia, SC 29201 Tel. (803) 748-7843 Fax. (803) 929-0510 www.stantec.com	
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION	
TYPICAL SECTIONS	
COUNTY	ROUTE
BERKELEY	1-26

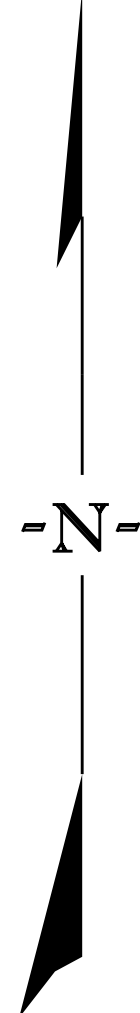
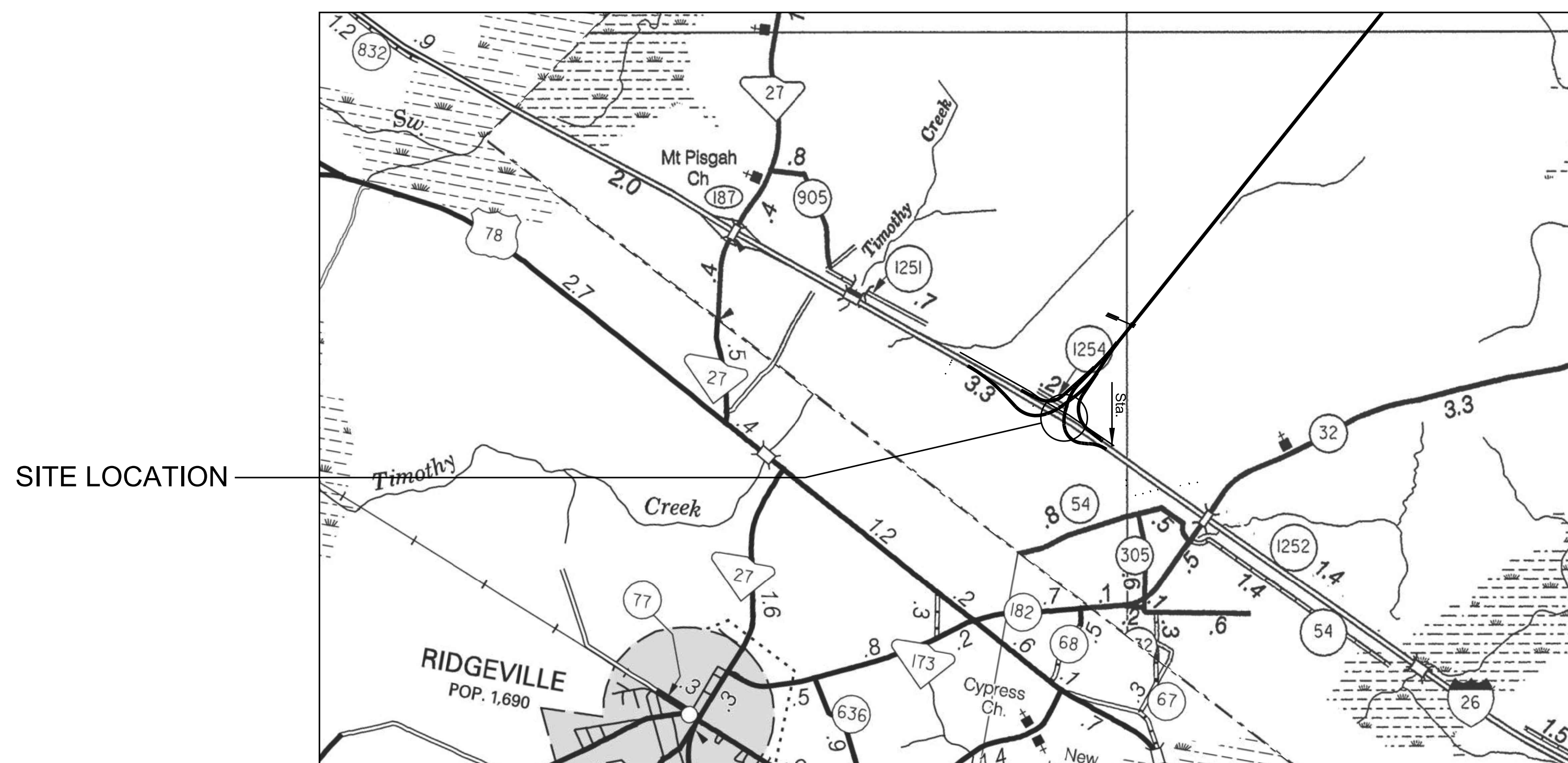


South Carolina Department of Transportation

PROPOSED PLANS FOR

BERKELEY COUNTY PROJECT ID P028843 INTERSTATE 26 RAMP 4 OVER I-26

- INDEX OF SHEETS
- TITLE SHEET
 - BRIDGE PLAN & PROFILE
 - TYPICAL SECTIONS



Approximate Location of Bridge is
 Latitude 33° - 07' - 16"
 Longitude 80° - 16' - 37"

LAYOUT

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

ASSET ID Not Assigned

TRAFFIC DATA			
2019	ADT	4,330	V.P.D.
2039	ADT	8,440	V.P.D.
	TRUCKS	20	%

NET LENGTH OF ROADWAY	0.000	MILES
NET LENGTH OF BRIDGES	0.047	MILES
NET LENGTH OF PROJECT	0.047	MILES
LENGTH OF EXCEPTIONS	0.000	MILES
GROSS LENGTH OF PROJECT	0.047	MILES

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 LETTING.

CONSULTING ENGINEERING FIRM

Stantec Consulting Services
 1411 Gervais Street, Suite 325
 Columbia, SC 29201
 Tel: (803) 748-7843
 Fax: (803) 929-0510
 www.stantec.com

ENGINEER OF RECORD

**NOT FOR
CONSTRUCTION**

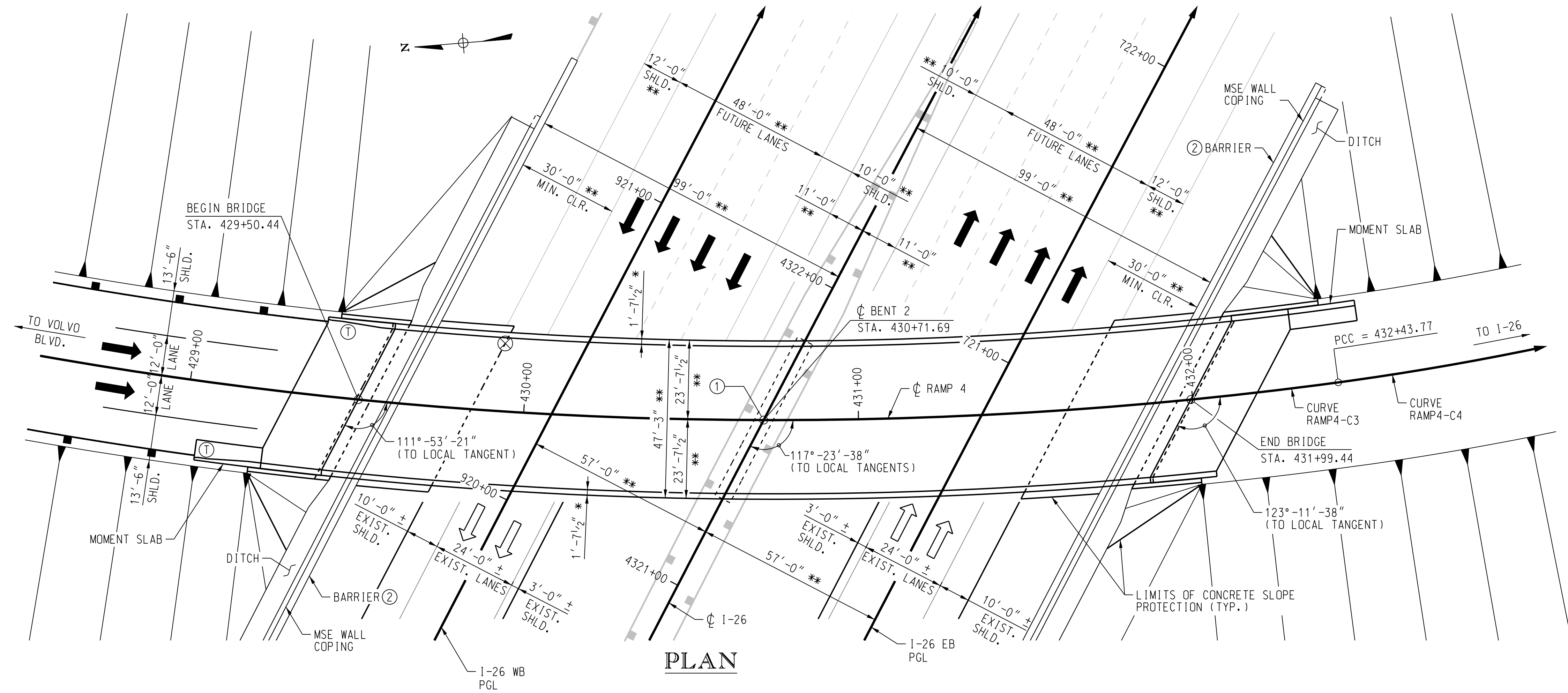
FOR CONSTRUCTION: _____ DATE _____

9/12/2016 4:59:22 PM
 U:\700653\Transportation\Design\Structures\Drawings\01653ts02.dgn
 U:\700653\Transportation\Design\Structures\Drawings\Microstation_Support\PLT\F0\Columbia_PDF_Creator (Full).pl
 U:\700653\Resource\Microstation_Support\Bridge\PLT\F0\SCDOT_Fin.cable - Bridge Plans.dtl
 User: ebecox

REVIEWED	DR.	AEC	DWT	BY	CHK	DATE
			1-16			

Curve RAMP4-C3
P.I. = 430+50.69
 Δ = 17°-40'-23.04" (LT)
D = 4°-32'-24.28"
T = 196.1920'
L = 389.268'
R = 1,262.00'
E = 15.1591'

Curve RAMP4-C4
P.I. = 433+45.70
 Δ = 13°-45'-23.36" (LT)
D = 6°-46'-50.04"
T = 101.9307'
L = 202.8812'
R = 845.00'
E = 6.1256'



- NOTES:
- REQUIREMENT FOR DECK DRAINS HAS NOT BEEN EVALUATED. BRIDGE END DRAINAGE REQUIRED BUT NOT SHOWN.
 - MIN. ALLOWABLE VERTICAL CLEARANCE IS 17'-0" MEASURED TO FUTURE I-26 TYPICAL SECTION AS SHOWN IN THE RFP.
 - ① TIE EQUALITY
P.O.C. STA. 4321+55.57 I-26
P.O.C. STA. 430+71.68 RAMP 4
 - ② FOR BARRIER DETAILS, SEE "PARTIAL MSE WALL TYPICAL SECTION" ON SHEET NO. 3
 - ① DENOTES THRIE BEAM GUARDRAIL ATTACHMENT
 - ⊗ POINT OF MINIMUM VERTICAL CLEARANCE

* - 1'-6" BARRIER PARAPET & 1 1/2" SLAB EXTENSION **
** - RADIAL

Curve I-26
P.I. = 4321+69.01
 Δ = 5°-38'-33" (RT)
D = 0°-15'-39"
T = 1,082.69'
L = 2,163.63'
R = 21,970.18'
E = 26.66'

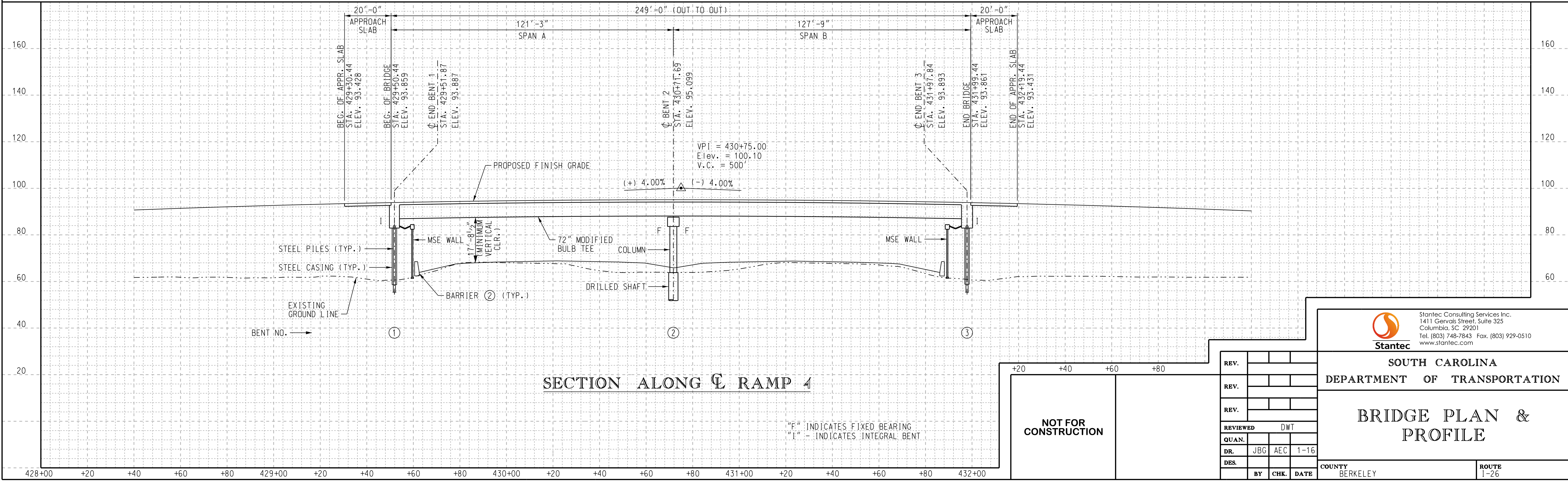
VPI = 713+00.00
Elev. = 67.95
L = 600'
(+) 0.13% (+) 0.07%

VERTICAL GRADE DATA I-26 EB

VPI = 913+00.00
Elev. = 68.03
L = 600'
(+) 0.13% (+) 0.08%

VERTICAL GRADE DATA I-26 WB

PLAN



SECTION ALONG CL RAMP 4

"F" INDICATES FIXED BEARING
"I" - INDICATES INTEGRAL BENT

NOT FOR CONSTRUCTION

REV.			
REV.			
REV.			
REVIEWED	DWT		
QUAN.	JBG	AEC	1-16
DES.			
BY	CHK.	DATE	

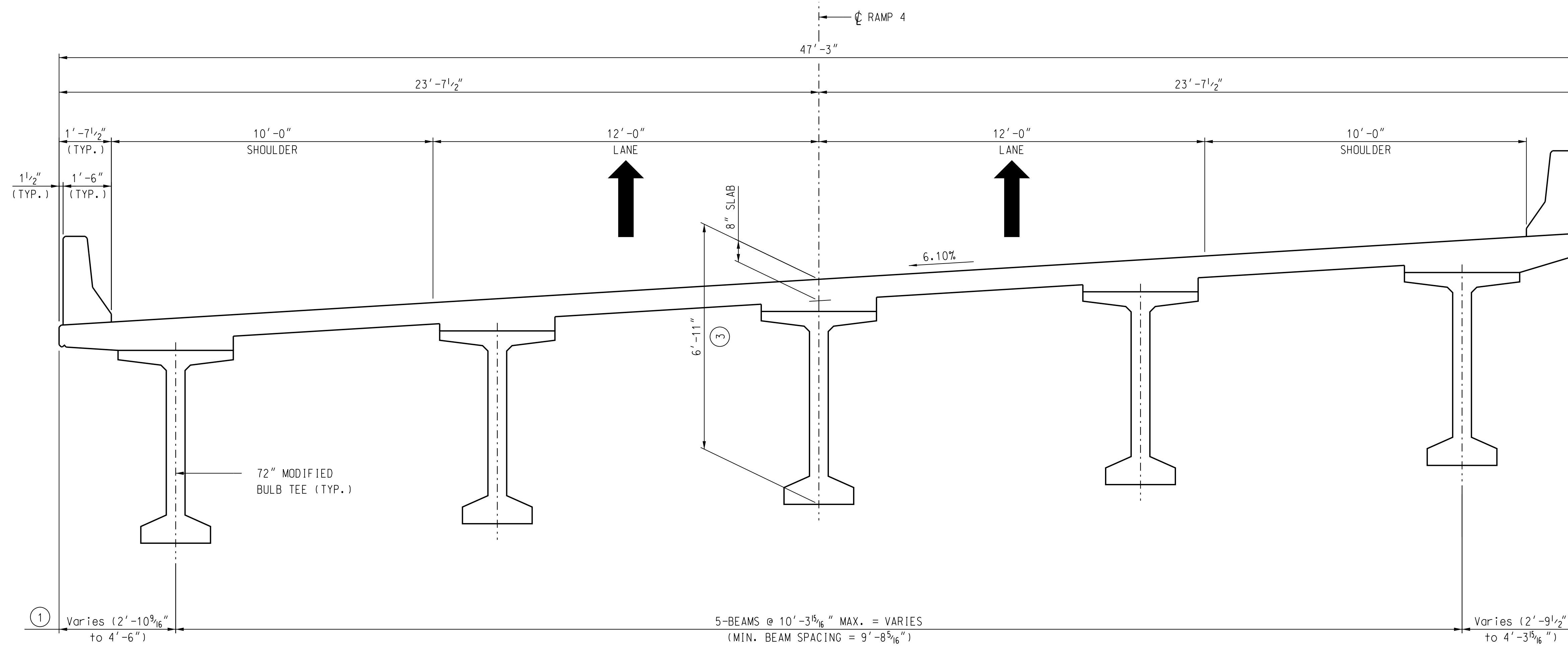
Stantec Consulting Services Inc.
1411 Gervais Street, Suite 325
Columbia, SC 29201
Tel. (803) 748-7843 Fax. (803) 929-0510
www.stantec.com

SOUTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BRIDGE PLAN & PROFILE

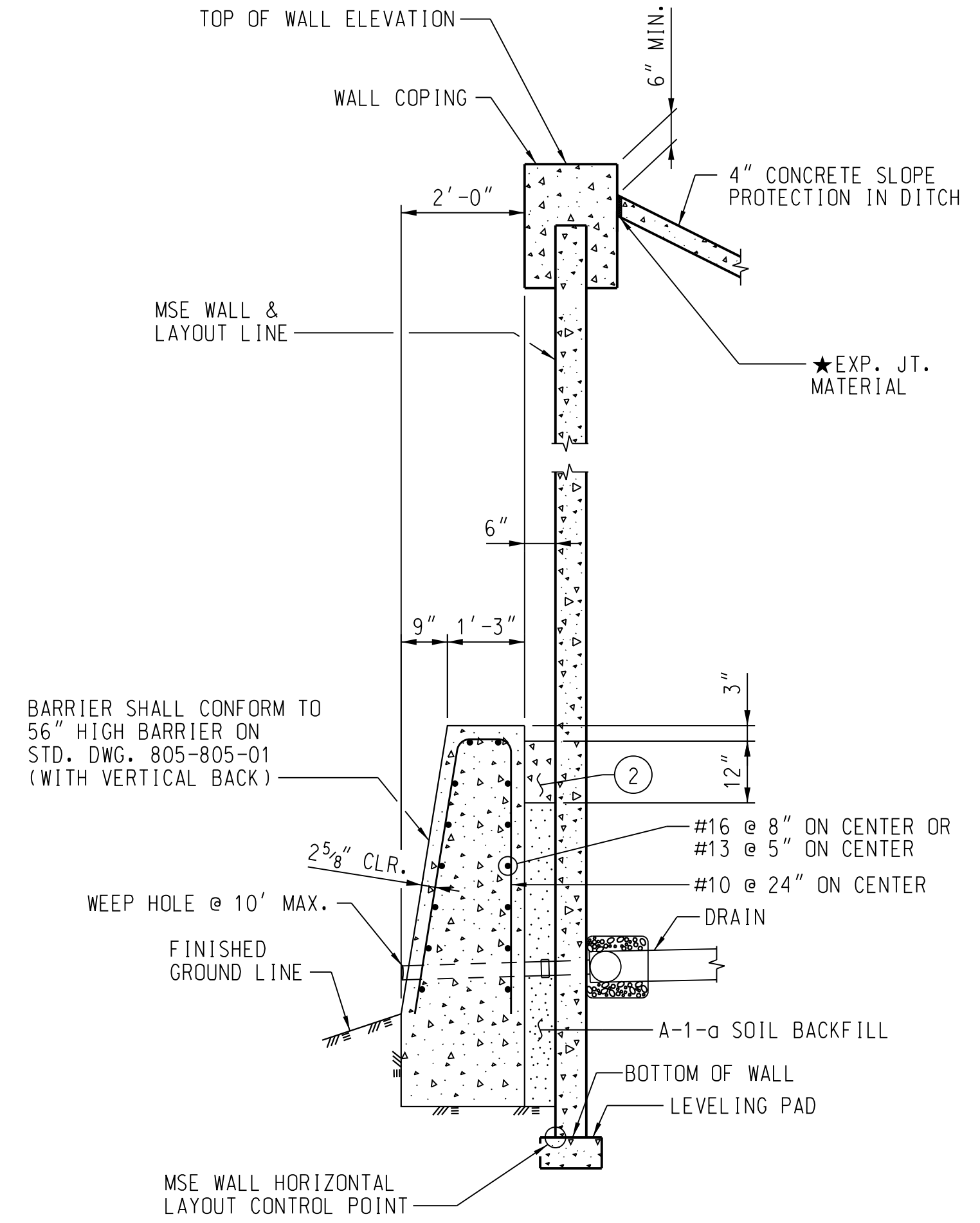
COUNTY BERKELEY ROUTE I-26

9/12/2016 4:59:33 PM
\\NT00653\Transportation\Design\Structures\Drawings\01653bp02.dgn
\\NT00653\Transportation\Design\Structures\Drawings\Microstation_Snap\PLT\F00Columbia_PDF_Creator\F001.plt
\\NT00653\Resource\Microstation_Snap\Bridges\PLT\F00SCDOT_PerTable - Bridge Plans.tbl
User: abeck



TYPICAL SECTION

- ① DIMENSIONS SHOWN FOR POSSIBLE LAYOUT, HOWEVER MAY VARY WITHIN LIMITS DEFINED IN BDM.
- ② AT ϕ BEARING. VARY IN SPAN TO COMPENSATE FOR VARIATIONS IN CAMBER.



PARTIAL MSE WALL TYPICAL SECTION


WORK THIS DETAIL WITH "TYPICAL SECTION" ON GEOTECHNICAL DRAWINGS AND DETAILS DRAWING NO. 713-01b AND "TYPICAL SECTION AT END BENTS" ON GEOTECHNICAL DRAWINGS AND DETAILS DRAWING NO. 713-01c.

- ② COARSE AGGREGATE BACKFILL (USE AGGREGATE NO. 5, NO. 57, NO. 67 OR NO. 6M)

9/12/2016 4:59:34 PM
 U:\7\00653\Transportation\Design\Structures\Drawings\01653yp02.dgn
 U:\7\00653\Transportation\Design\Structures\Drawings\Microstation_Separ\PLT\CFG\Columbia_PDF_Creator\F_Ull.plt
 U:\7\00653\Resource\Microstation_Separ\Bridges\PLT\CFG\SCDOT_Permitable - Bridge Plans.btl
 User: abcdok

NOT FOR CONSTRUCTION

REV.			
REV.			
REV.			
REVIEWED	DWT		
QUAN.			
DR.	JBG	AEC	2-16
DES.			
BY	CHK.	DATE	



Stantec Consulting Services Inc.
 1411 Gervais Street, Suite 325
 Columbia, SC 29201
 Tel. (803) 748-7843 Fax. (803) 929-0510
 www.stantec.com

SOUTH CAROLINA
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

COUNTY	ROUTE
BERKELEY	I-26

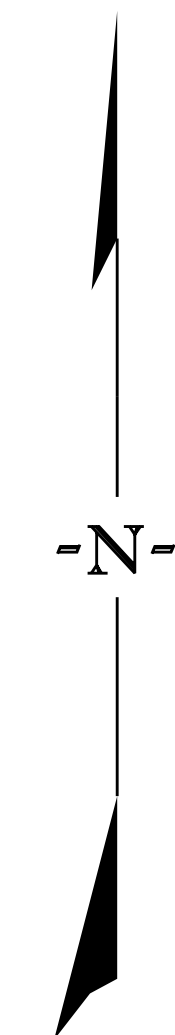
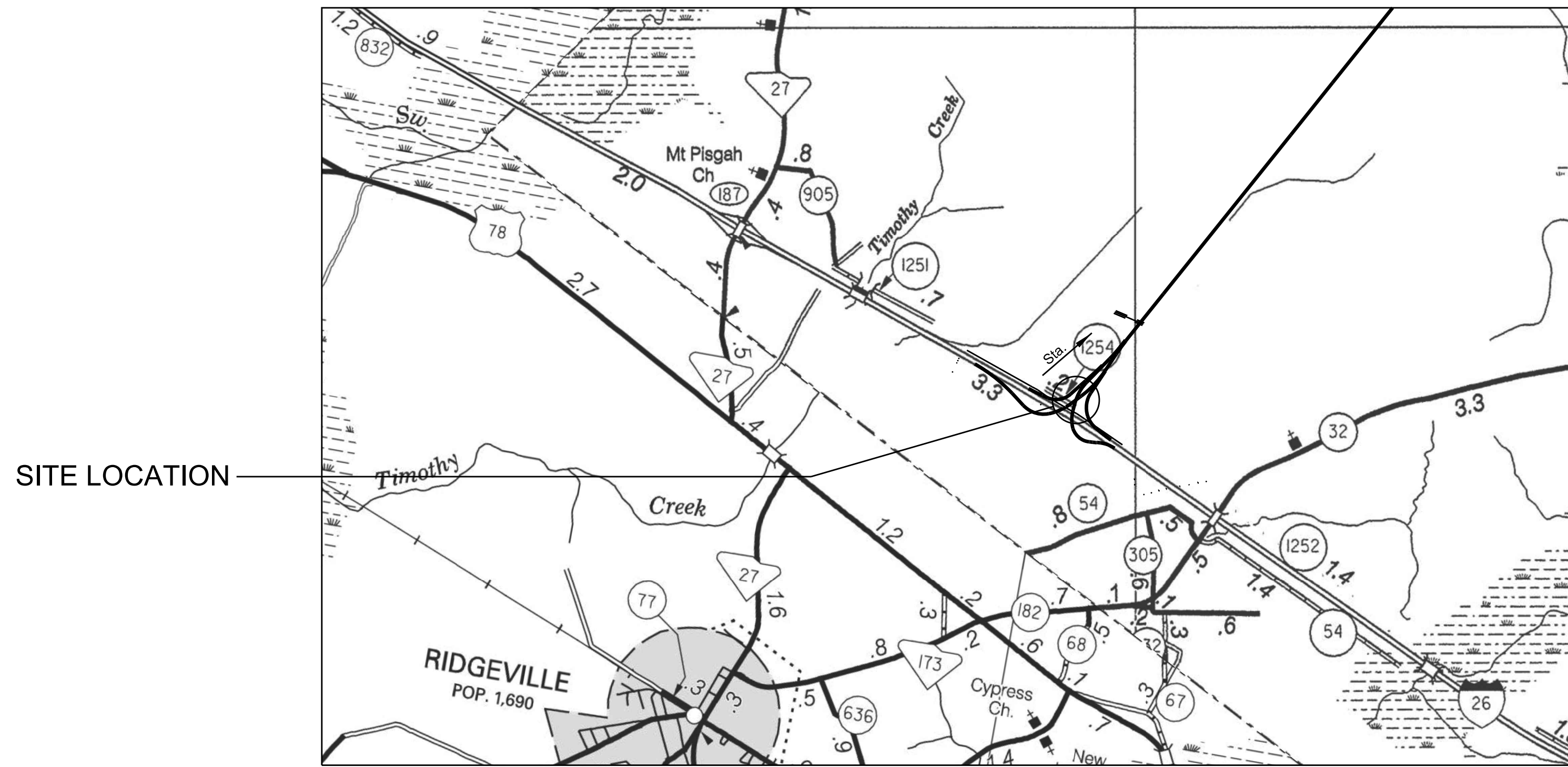


South Carolina Department of Transportation

INDEX OF SHEETS

1. TITLE SHEET
2. BRIDGE PLAN & PROFILE
3. TYPICAL SECTIONS

PROPOSED PLANS FOR BERKELEY COUNTY PROJECT ID P028843 INTERSTATE 26 RAMP 1 OVER RAMP 4



Approximate Location of Bridge is
 Latitude 33° - 07' - 16"
 Longitude 80° - 16' - 37"

LAYOUT

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

ASSET ID Not Assigned

TRAFFIC DATA			
2019	ADT	910	V.P.D.
2039	ADT	1,760	V.P.D.
	TRUCKS	20	%

NET LENGTH OF ROADWAY	0.000	MILES
NET LENGTH OF BRIDGES	0.030	MILES
NET LENGTH OF PROJECT	0.030	MILES
LENGTH OF EXCEPTIONS	0.000	MILES
GROSS LENGTH OF PROJECT	0.030	MILES

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 LETTING.

CONSULTING ENGINEERING FIRM

Stantec Consulting Services
1411 Gervais Street, Suite 325
Columbia, SC 29201
Tel: (803) 748-7843
Fax: (803) 929-0510
www.stantec.com

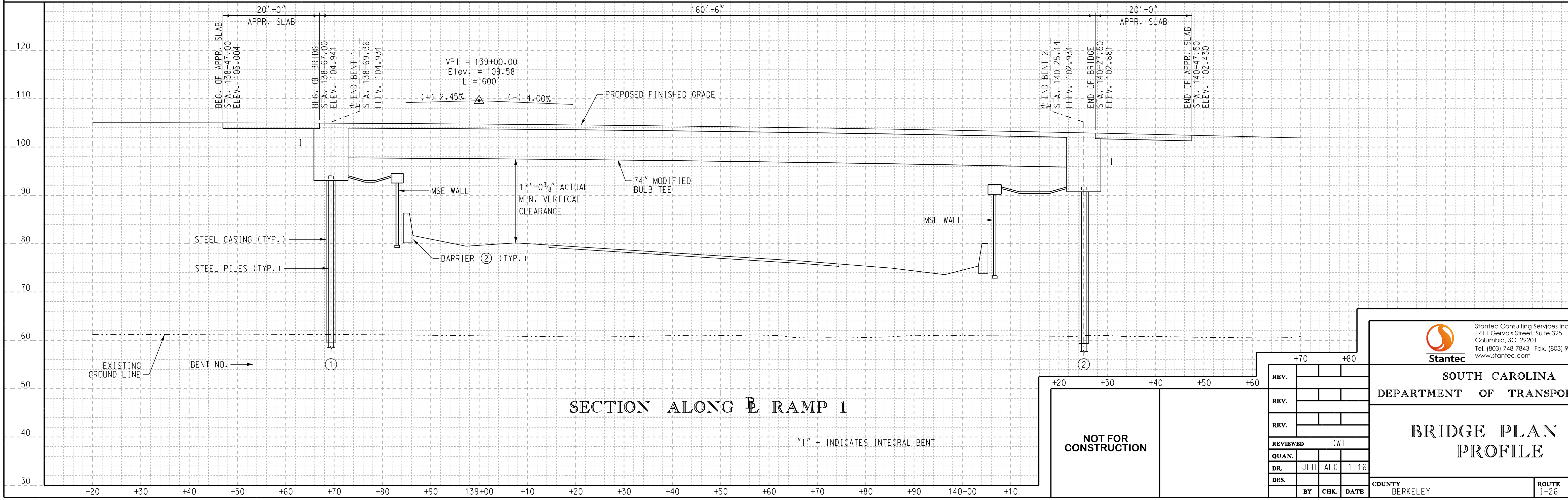
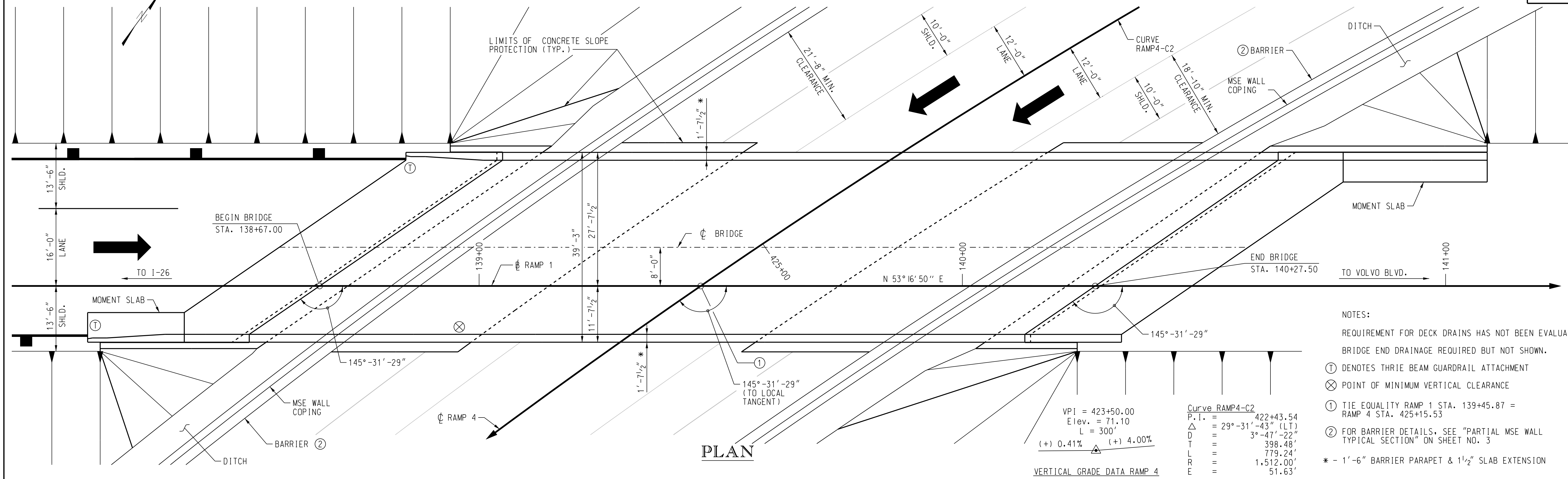
ENGINEER OF RECORD

NOT FOR CONSTRUCTION

FOR CONSTRUCTION: _____ DATE _____

9/12/2016 4:59:35 PM
 U:\700653\Transportation\Design\Structures\Drawings\01653ts03.dgn
 U:\700653\Transportation\Design\Structures\Drawings\Microstation_Support\PLT\F0\Columbia_PDF_Creator (Full).pl
 U:\700653\Resource\Microstation_Support\Bridge\PLT\F0\SCDOT_Fin.cable - Bridge Plans.dtl
 User: ebecox

REVIEWED	DR.	AEC	DWT	BY	CHK	DATE
			1-16			



Stantec
 Stantec Consulting Services Inc.
 1411 Gervais Street, Suite 325
 Columbia, SC 29201
 Tel. (803) 748-7843 Fax. (803) 929-0510
 www.stantec.com

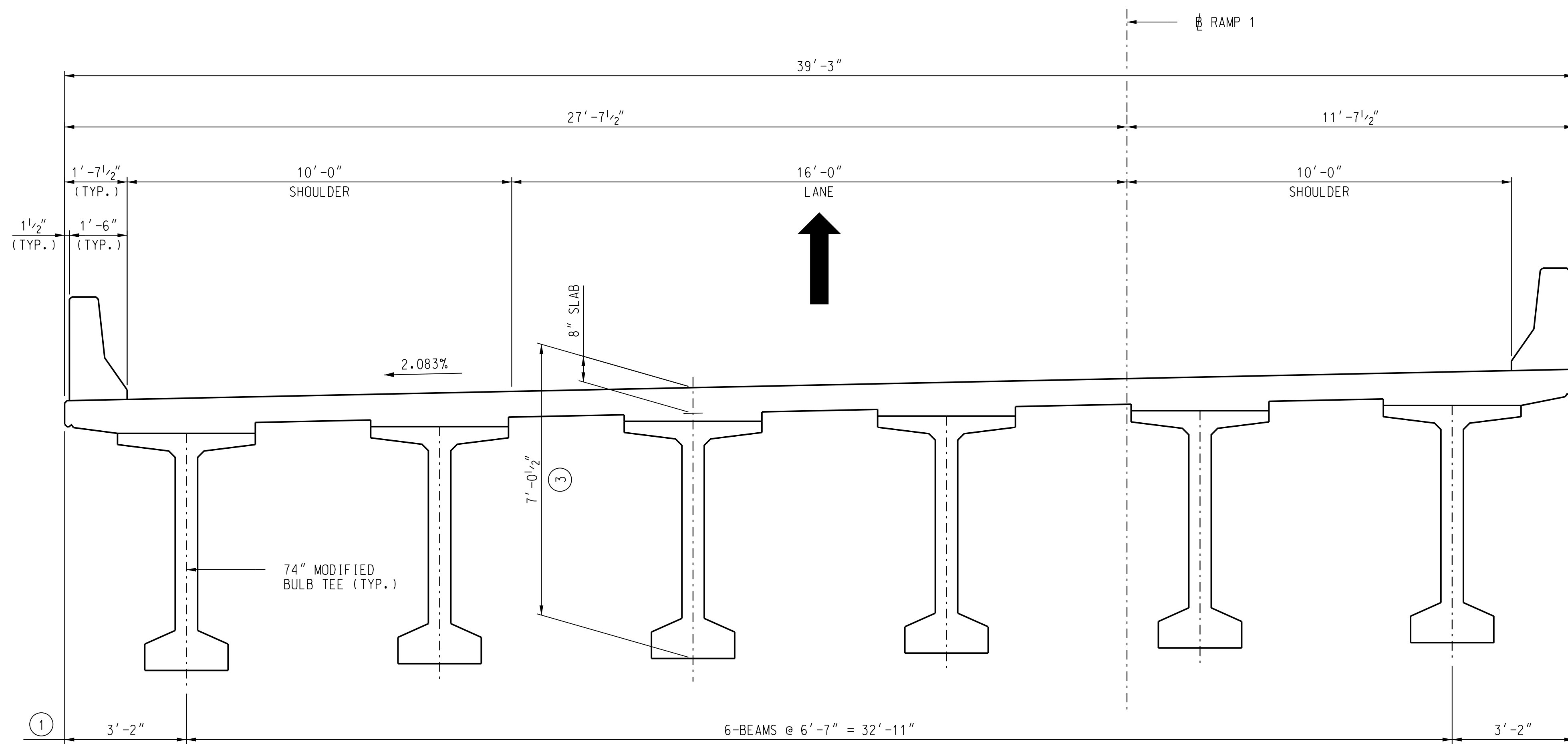
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

BRIDGE PLAN & PROFILE

REV.				
REV.				
REV.				
REVIEWED	DWT			
QUAN.				
DR.	JEH	AEC	1-16	
DES.				
BY	CHK.	DATE	COUNTY BERKELEY	

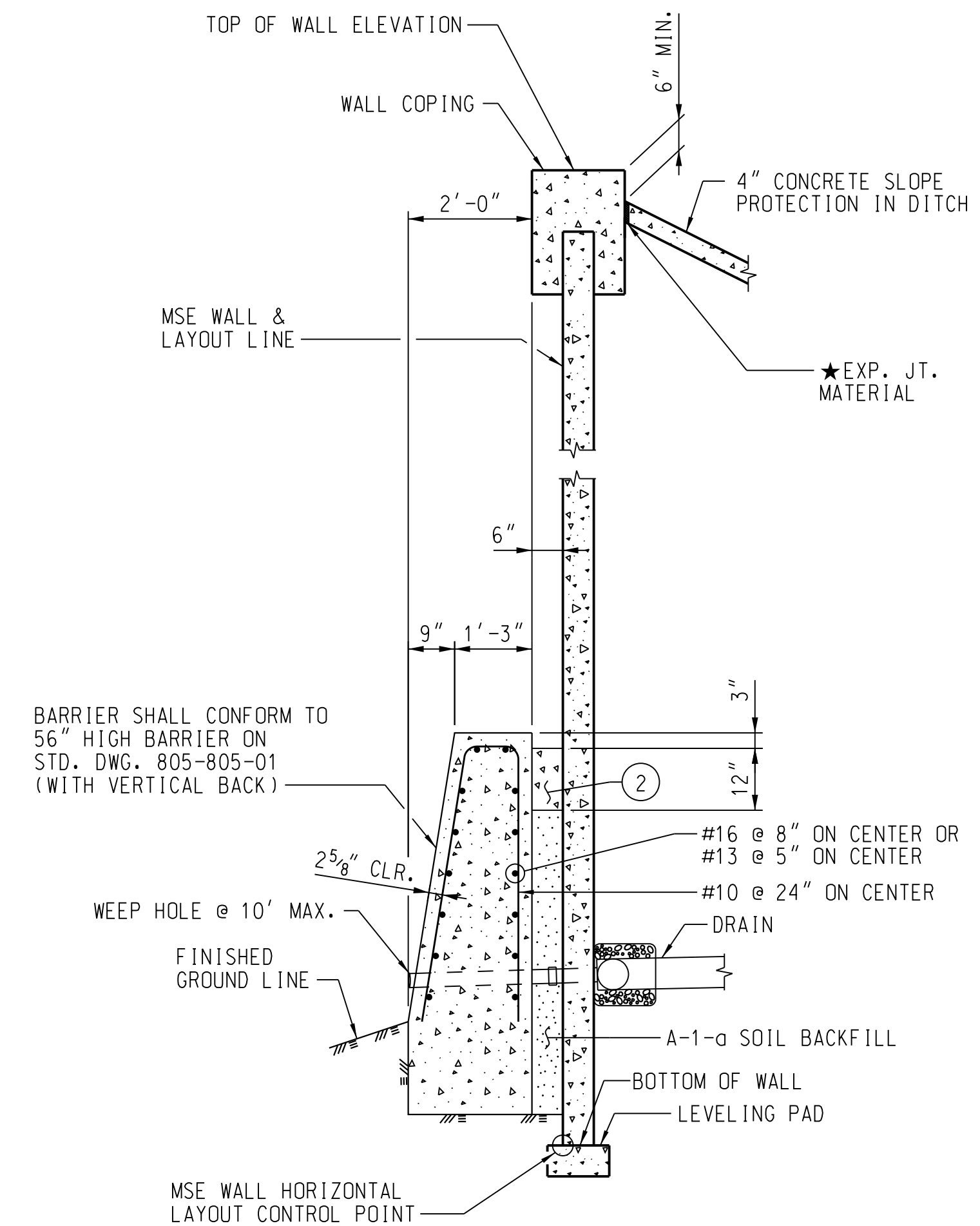
ROUTE 1-26

9/12/2016 4:59:46 PM
 U:\7100653\Transportation\Design\Structures\Drawings\01653bp03.dgn
 U:\7100653\Transportation\Design\Structures\Drawings\Microstation_Snap\PTCFColumbia_PDF_Creator\F_U11.dpt
 U:\7100653\Resource\Microstation_Snap\Bridges\PTCFCSCDOT_PerTable - Bridge Plans.tbl
 User: drcocok



TYPICAL SECTION

- ① DIMENSIONS SHOWN FOR POSSIBLE LAYOUT, HOWEVER MAY VARY WITHIN LIMITS DEFINED IN BDM.
- ③ AT ϕ BEARING. VARY IN SPAN TO COMPENSATE FOR VARIATIONS IN CAMBER.




PARTIAL MSE WALL TYPICAL SECTION

WORK THIS DETAIL WITH "TYPICAL SECTION" ON GEOTECHNICAL DRAWINGS AND DETAILS DRAWING NO. 713-01b AND "TYPICAL SECTION AT END BENTS" ON GEOTECHNICAL DRAWINGS AND DETAILS DRAWING NO. 713-01c.

- ② COARSE AGGREGATE BACKFILL (USE AGGREGATE NO. 5, NO. 57, NO. 67 OR NO. 6M)

NOT FOR CONSTRUCTION

REV.			
REV.			
REV.			
REVIEWED	DWT		
QUAN.			
DR.	JBG	AEC	2-16
DES.			
BY	CHK.	DATE	



Stantec Consulting Services Inc.
1411 Gervais Street, Suite 325
Columbia, SC 29201
Tel. (803) 748-7843 Fax. (803) 929-0510
www.stantec.com

**SOUTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

COUNTY BERKELEY	ROUTE 1-26
--------------------	---------------

9/12/2016 4:59:47 PM
 U:\7\00653T\transportation\Design\Structures\Drawings\01653yp03.dgn
 U:\7\00653T\transportation\Design\Structures\Drawings\Microstation_Separ\PLT\CF0Columbia_PDF_Creator\Full.plt
 U:\7\00653T\resources\Microstation_Separ\Bridges\PLT\CF0_SCDOT_Permitable - Bridge Plans.tbl
 User: abcdok