Proposal ID
3883580

PROJECT ID	SHEET NO.	TOTAL SHEETS
0040308	1	20

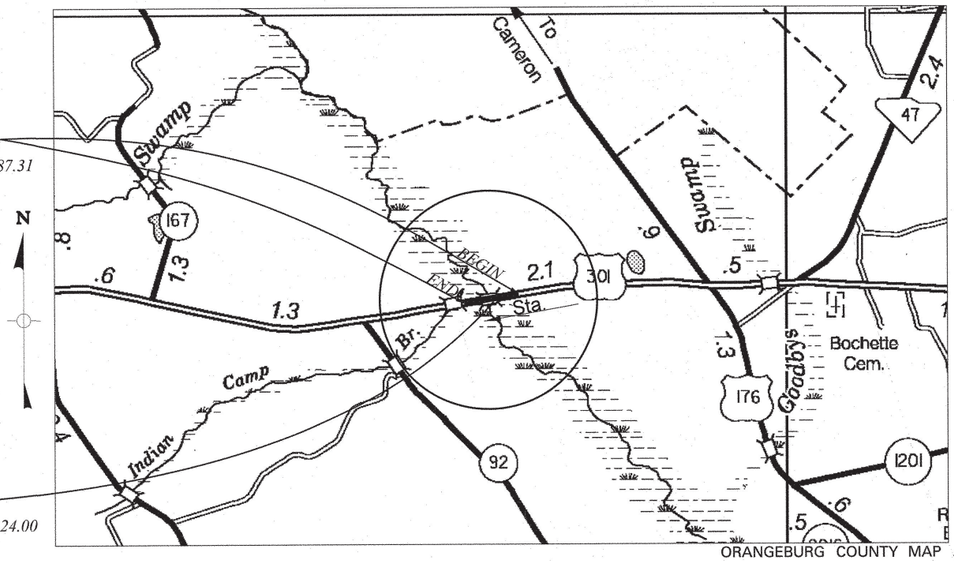
INDEX OF SHEETS
SHEET SHEET IL1 FOR INDEX

South Carolina Department of Transportation

BRIDGE PLANS BOUND
UNDER SEPARATE COVER

PROPOSED PLANS
FOR
ORANGEBURG COUNTY
PROJECT ID: 0040308
US ROUTE 301 SOUTHBOUND (FIVE CHOP ROAD)
FROM: MM 27.86 TO: MM 28.21

PROJECT ID: 0040308
U.S. ROUTE 301 SOUTHBOUND
STA. 5940+40.00 TO STA. 5962+87.31
SEE SHEETS 6 - 7



ORANGEBURG COUNTY MAP

CONSTRUCT 294.00' REINFORCED CONCRETE BRIDGE
FROM STA. 5949+30.00 TO STA. 5952+24.00
SEE BRIDGE PLANS

LAYOUT

SCALE 1 INCH = NTS FEET

ENVIRONMENTAL PERMIT INFORMATION				
USACE PERMIT	X YES	NO		
NEPA DOCUMENT	X YES	NO		
401 CERTIFICATION	X YES	NO		
OCRM CAP	YES	X NO		
NAVIGABLE WATERS	SC	USCG	USACE	X 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

2019 ADT 11,200

2039 ADT 13,700

TRUCKS 15 %

NET LENGTH OF ROADWAY	0.370 MILES
NET LENGTH OF BRIDGES	0.056 MILES
NET LENGTH OF PROJECT	0.426 MILES
LENGTH OF EXCEPTIONS	0.000 MILES
GROSS LENGTH OF PROJECT	0.426 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 LETTING.

RPG3B – MIDLANDS MAS, JPM – AJS

Hydraulic Design Reference for these plans is the:
2009
Edition of SCDOT's "Requirements for Hydraulic Design Studies"

Design Reference for these plans is the:
2001
AASHTO "A Policy on Geometric Design of Highways and Streets"

NPDES PERMIT INFORMATION

Disturbed Area = 2.200 Acre(s)

Project Area = 4.000 Acre(s)

Approximate Location of Roadway is

Begin
Latitude 33°27'28.39"N
Longitude 80°38'41.32"W

End
Latitude 33°27'25.60"N
Longitude 80°39'02.77"W

Hydraulic and NPDES Design provided by:
SCDOT
Designs may be obtained from the SCDOT Regional Production Group

	RIGHT-OF-WAY INITIAL	RIGHT-OF-WAY DATE	CONSTRUCTION INITIAL	CONSTRUCTION DATE
RPG - ROAD				
RPG - HYDROLOGY				
RPG - STRUCTURES				
RPG - GEOTECHNICAL				
PRECONSTRUCTION SUPPORT - ROAD				
PRECONSTRUCTION SUPPORT - STRUCTU				
RPG - DESIGN MANAGER				
RPG - PROGRAM MANAGER				

For Right Of Way Acquisition:

SEE SHEET 1A FOR SIGNATURES

Date

Regional Production Engineer

ENGINEER OF RECORD

NOT FOR CONSTRUCTION

FOR CONSTRUCT

Christopher K. Eddy, P.E.
REGIONAL PRODUCTION DESIGN MANAGER - MIDLANDS

PROJECT ID	SHEET NO.	TOTAL SHEETS
0040308	1	20

INDEX OF SHEETS
SHEET SHEET IL1 FOR INDEX

SCDOT
South Carolina Department of Transportation

BRIDGE PLANS BOUND
UNDER SEPARATE COVER

PROPOSED PLANS
FOR
ORANGEBURG COUNTY
PROJECT ID: 0040308
US ROUTE 301 SOUTHBOUND (FIVE CHOP ROAD)
FROM: MM 27.86 TO: MM 28.21

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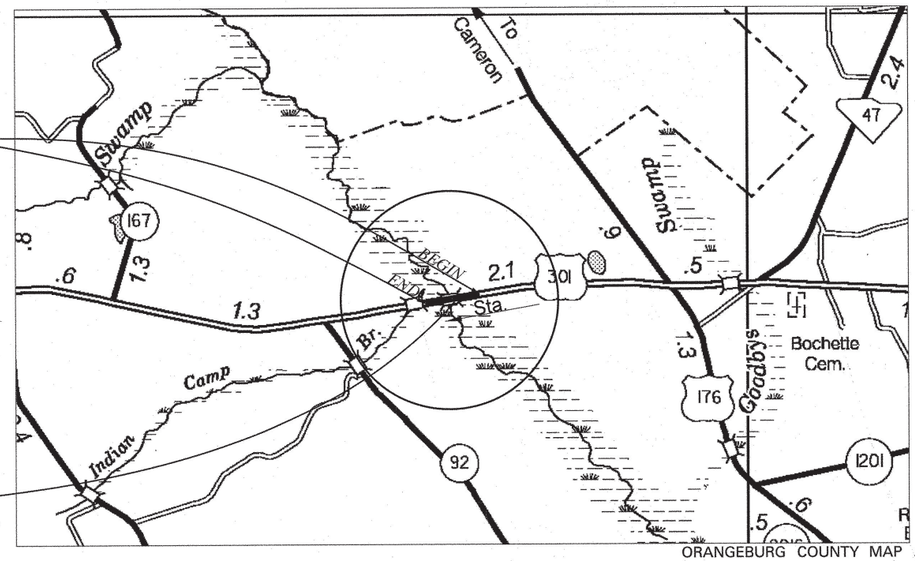
SEE SHEETS 6 - 7

CONSTRUCT 294.00' REINFORCED CONCRETE BRIDGE
FROM STA. 5949+30.00 TO STA. 5952+24.00
SEE BRIDGE PLANS



ORANGEBURG COUNTY MAP

LAYOUT

SCALE 1 INCH = NTS FEET

ENVIRONMENTAL PERMIT INFORMATION				
USACE PERMIT	X YES	NO		
NEPA DOCUMENT	X YES	NO		
401 CERTIFICATION	X YES	NO		
OCRM CAP	YES	X NO		
NAVIGABLE WATERS	SC	USCG	USACE	X 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

2019 ADT 11,200

2039 ADT 13,700

TRUCKS 15 %

NET LENGTH OF ROADWAY	0.370 MILES
NET LENGTH OF BRIDGES	0.056 MILES
NET LENGTH OF PROJECT	0.426 MILES
LENGTH OF EXCEPTIONS	0.000 MILES
GROSS LENGTH OF PROJECT	0.426 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 LETTING.

RPG3B – MIDLANDS MAS, JPM – AJS

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Design Reference for these plans is the:
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AASHTO "A Policy on Geometric Design of Highways and Streets"

NPDES PERMIT INFORMATION

Disturbed Area = 2.200 Acre(s)

Project Area = 4.000 Acre(s)

Approximate Location of Roadway is

Begin
Latitude 33°27'28.39"N
Longitude 80°38'41.32"W

End
Latitude 33°27'25.60"N
Longitude 80°39'02.77"W

Hydraulic and NPDES Design provided by:
SCDOT
Designs may be obtained from the SCDOT Regional Production Group

	RIGHT-OF-WAY INITIAL	RIGHT-OF-WAY DATE	CONSTRUCTION INITIAL	CONSTRUCTION DATE
RPG - ROAD				
RPG - HYDROLOGY				
RPG - STRUCTURES				
RPG - GEOTECHNICAL				
PRECONSTRUCTION SUPPORT - ROAD				
PRECONSTRUCTION SUPPORT - STRUCTUF				
RPG - DESIGN MANAGER				
RPG - PROGRAM MANAGER				

For Right Of Way Acquisition:

SEE SHEET 1A FOR SIGNATURES

Date

Regional Production Engineer

ENGINEER OF RECORD

NOT FOR CONSTRUCTION

FOR CONSTRUCTI

REGIONAL PRODUCTION DESIGN MANAGER - MIDLANDS

PROJECT ID	SHEET NO.	TOTAL SHEETS
0040308	1A	

INDEX OF SHEETS
SHEET SHEET IL1 FOR INDEX

South Carolina Department of Transportation

BRIDGE PLANS BOUND
UNDER SEPARATE COVER

Hydraulic Design Reference for these plans is the:
2009
Edition of SCDOT's "Requirements for Hydraulic Design Studies"

Design Reference for these plans is the:
2001
AASHTO "A Policy on Geometric Design of Highways and Streets"

NPDES PERMIT INFORMATION

Disturbed Area = 2.175 Acre(s)

Permitted Area = 8.035 Acre(s)

Approximate Location of Roadway is

Begin
Latitude 33°27'28.39"N
Longitude 80°38'41.32"W

End
Latitude 33°27'25.60"N
Longitude 80°39'02.77"W

Hydraulic and NPDES Design provided by:
SCDOT
Designs may be obtained from the SCDOT Regional Production Group

PROPOSED PLANS FOR

ORANGEBURG COUNTY

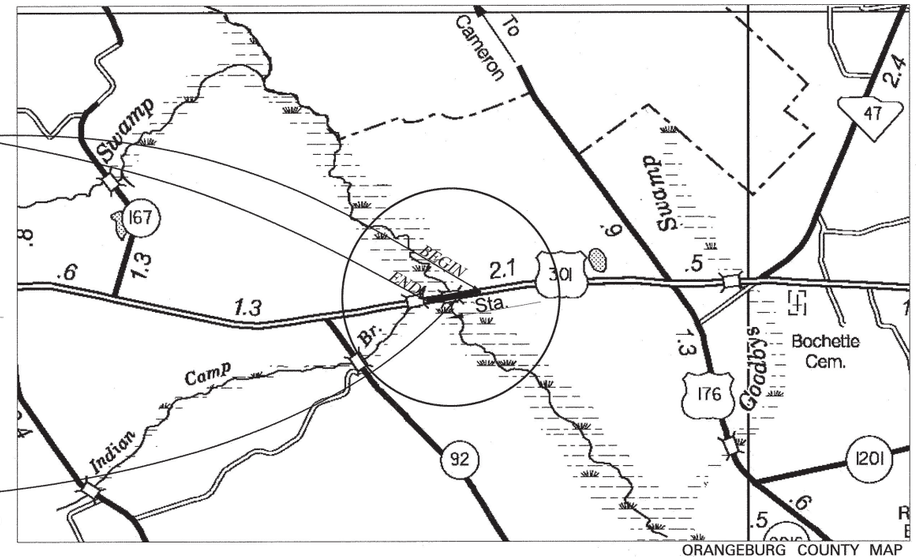
PROJECT ID: 0040308

US ROUTE 301 SOUTHBOUND (FIVE CHOP ROAD)

FROM: MM 27.86 TO: MM 28.21

PROJECT ID: 0040308
U.S. ROUTE 301 SOUTHBOUND
STA. 5941+40.00 TO STA. 5960+00.00
SEE SHEETS 6 - 7

CONSTRUCT 294.00' REINFORCED CONCRETE BRIDGE
FROM STA. 5949+30.00 TO STA. 5952+24.00
SEE BRIDGE PLANS



ORANGEBURG COUNTY MAP

LAYOUT

SCALE 1 INCH = NTS FEET

NET LENGTH OF ROADWAY	0.296 MILES
NET LENGTH OF BRIDGES	0.056 MILES
NET LENGTH OF PROJECT	0.352 MILES
LENGTH OF EXCEPTIONS	0.000 MILES
GROSS LENGTH OF PROJECT	0.352 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 LETTING.

RPG3B – MIDLANDS (STW) – JDS

ENVIRONMENTAL PERMIT INFORMATION

USACE PERMIT	X YES	NO
NEPA DOCUMENT	X YES	NO
401 CERTIFICATION	X YES	NO
OCRM CAP	YES	X NO
NAVIGABLE WATERS	SC USCG	USACE X 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

2013 ADT 11,500

2033 ADT 17,500

TRUCKS 5 %

	RIGHT-OF-WAY INITIAL	RIGHT-OF-WAY DATE	CONSTRUCTION INITIAL	CONSTRUCTION DATE
RPG - ROAD				
RPG - HYDROLOGY				
RPG - STRUCTURES				
RPG - GEOTECHNICAL				
PRECONSTRUCTION SUPPORT - ROAD				
PRECONSTRUCTION SUPPORT - STRUCT				
RPG - DESIGN MANAGER				
RPG - PROGRAM MANAGER				

ENGINEER OF RECORD

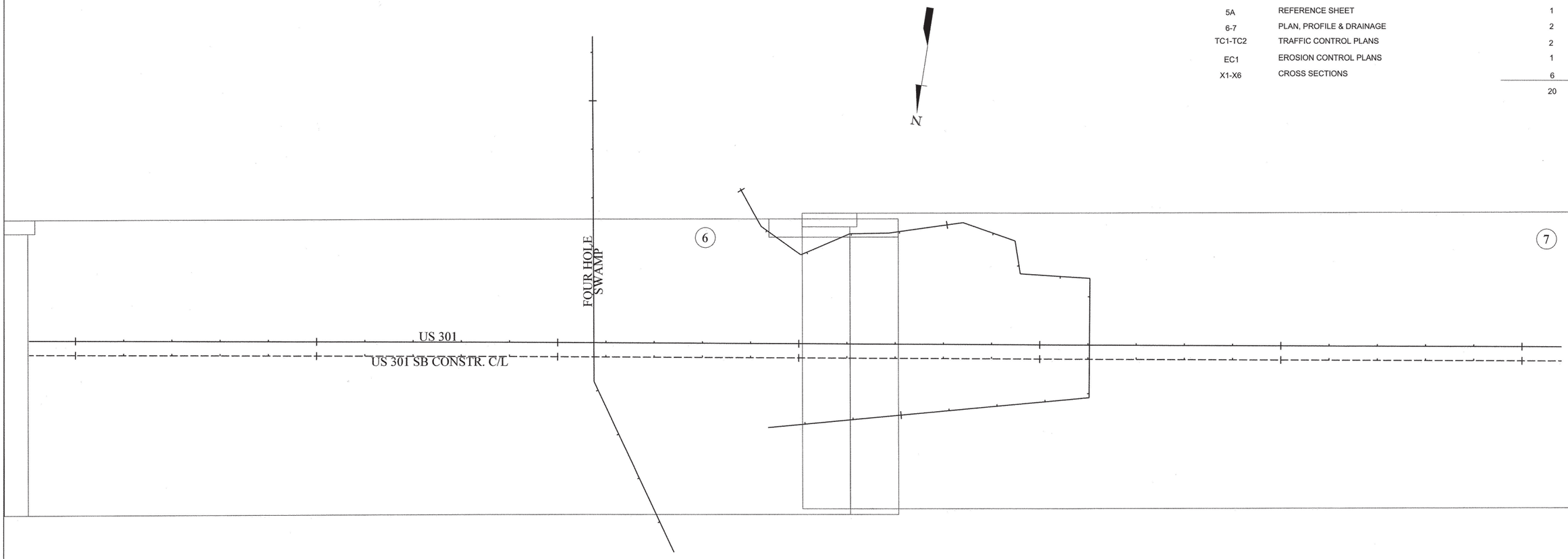
NOT FOR CONSTRUCTION

FOR CONSTRUCTION

FED. RD. DIV. No.	STATE	COUNTY	PROJECT ID		ROUTE No.	SHEET No.	
3	S.C.	ORANGEBURG	0040308		US 301	IL1	

INDEX OF SHEETS

SHEET NO.	DESCRIPTION	SHEET SUBTOTALS
1	TITLE SHEET (CONSTRUCTION)	1
1A	TITLE SHEET (RIGHT-OF-WAY)	1
IL1	INDEX/LAYOUT SHEET	1
2	SUMMARY OF ESTIMATED QUANTITIES	1
3	TYPICAL SECTION	1
4	R/W DATA SHEET	1
4A	PROPERTY STRIP MAP	1
5	GENERAL CONSTRUCTION NOTE	1
5A	REFERENCE SHEET	1
6-7	PLAN, PROFILE & DRAINAGE	2
TC1-TC2	TRAFFIC CONTROL PLANS	2
EC1	EROSION CONTROL PLANS	1
X1-X6	CROSS SECTIONS	6
		20



FOR INFORMATION ONLY

NOT FOR CONSTRUCTION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4			
3			
2			
1			

TOPO. _____ DATE _____
DWG. _____ DATE _____ RPG 3B - MIDLANDS
R/W _____ DATE _____

SOUTH CAROLINA
DEPARTMENT OF TRANSPORTATION
COLUMBIA, S.C.

INDEX/LAYOUT SHEET

SCALE 1"= 100' RTE. US 301 (FIVE CHOP ROAD)

SCDOT
South Carolina Department of Transportation

SUMMARY OF ESTIMATED QUANTITIES

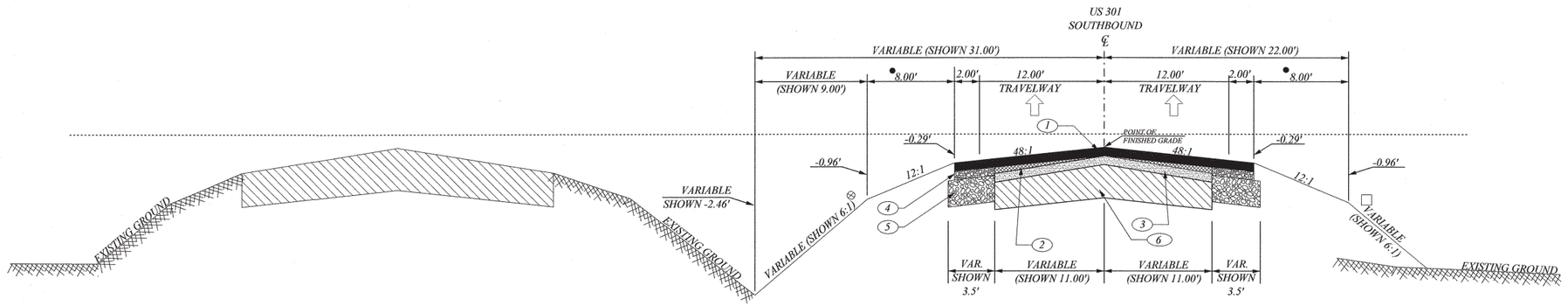
FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE/ROAD NO.	SHEET NO.
3	S.C.	ORANGEBURG	0040308	US 301	2

ITEM NO.	PAY ITEM	QUANTITY	PAY UNIT
1031000	MOBILIZATION	1.000	LS
1031200	BRIDGE CONSTRUCTION ACCESS	1.000	LS
1032010	BONDS AND INSURANCE	1.000	LS
1050800	CONSTRUCTION STAKES, LINES & GRADES	1.000	EA
1071000	TRAFFIC CONTROL	1.000	LS
2011000	CLEARING & GRUBBING WITHIN RIGHT OF WAY	1.000	LS
2025000	REMOVAL & DISPOSAL OF EXISTING ASPHALT PAVEMENT	5361.000	SY
2027801	REMOVAL OF EXIST. GUARDRAIL	1712.000	LF
2031000	UNCLASSIFIED EXCAVATION	946.000	CY
2033000	BORROW EXCAVATION	3982.000	CY
2081001	FINE GRADING	983.000	SY
2103000	FLOWABLE FILL	100.000	CY
3069900	MAINTENANCE STONE	100.000	TON
3100310	HOT MIX ASPHALT BASE COURSE - TYPE A	433.000	TON
4011004	LIQUID ASPHALT BINDER PG64-22	270.000	TON
4013200	MILLING EXISTING ASPHALT PAVEMENT 2.0"	4500.000	SY
4013990	MILLING EXISTING ASPHALT PAVEMENT (VARIABLE)	1000.000	SY
4019000	MILLED-IN RUMBLE STRIP	0.632	MI
4020320	HOT MIX ASPHALT INTERMEDIATE COURSE TYPE B	3621.000	TON
4030320	HOT MIX ASPHALT SURFACE COURSE TYPE B	1225.000	TON
4037000	HOT MIX ASPH. CONC. SURF. CR. FOR DITCH PAVING	282.000	TON
6021120	PERMANENT CONSTRUCTION SIGNS (GROUND MOUNTED)	368.000	SF
6052122	PORTABLE TERMINAL IMPACT ATTENUATOR-TEST LEVEL 3(60 MPH)	2.000	EA
6053110	TEMPORARY CONCRETE BARRIER	3000.000	LF
6053200	THRIE BEAM G.R.BRIDGE CONN.(SUPPLEMENTAL TO TEMPORARY CONCRE	3.000	EA
609105A	PAVEMENT MARKINGS(TEMP-PAINT) 4" WHITE BROKEN LINES	1000.000	LF
609115A	PAVEMENT MARKINGS(TEMPORARY-PAINT)-4" WHITE SOLID LINES	7500.000	LF
609115B	PAVEMENT MARKINGS(TEMPORARY-PAINT)-4" YELLOW SOLID LINES	7500.000	LF
609115G	PREF.PVMT.MARK(T-4)4"WH.SOLID	750.000	LF
609115H	PREF.PVMT.MARK(T-4)4"YEL.SOLID	750.000	LF
6092150	TEMPORARY YELLOW PAVEMENT MARKERS MONO-DIR.- 4"X4"	50.000	EA
6250005	4" WHITE BROKEN LINES -(GAPS EXCLUDED)-FAST DRY PAINT	1774.000	LF
6250010	4" WHITE SOLID LINES (PVT. EDGE LINES)-FAST DRY PAINT	1774.000	LF
6250110	4"YELLOW SOLID LINE(PVT.EDGE&NO PASSING ZONE)-FAST DRY PAINT	1774.000	LF
6271005	4" WHITE BROKEN LINES(GAPS EXCL.)THERMOPLASTIC- 90 MIL.	1774.000	LF
6271010	4" WHITE SOLID LINES (PVT. EDGE LINES) THERMO.- 90 MIL.	1774.000	LF
6271074	4" YELLOW SOLID LINES(PVT.EDGE LINES) THERMO-90 MIL.	1774.000	LF
6301005	PERM.YEL.PAV.MARK MONO-DIR 4X4	25.000	EA
7143618	18" SMOOTH WALL PIPE	180.000	LF
7192040	DROP INLET TYPE 112	2.000	EA
7203710	BRIDGE APPROACH CONCRETE CURB AND GUTTER(1'-10")	36.000	LF
8041020	RIP-RAP (CLASS B)	906.000	TON
8048205	GEOTEXTILE FOR EROSION CONTROL UNDER RIPRAP(CLASS 2)TYPE B	1792.000	SY
8051050	STEEL BEAM GUARDRAIL GUARDRAIL W-BEAM SYSTEM	2462.500	LF
8051900	RESET GUARDRAIL RESET GR.	290.000	LF
8052300	END TERMINAL - TYPE T	3.000	EA
8052600	THRIE BEAM G.R.BRIDGE CONN.	5.000	EA
8055250	NON-MOW STRIP UNDER GUARDRAIL	3579.000	SY
8056557	GUARDRAIL THRIE-BEAM WITH BASE PLATE 3.125' POST SPACING	675.000	LF
8068301	TEMPORARY BARRIER FENCE	4000.000	LF
8091010	RIGHT OF WAY MARKER(REBAR AND CAP)	14.000	EA
8091050	RIGHT OF WAY PLAT	1.000	LS
8100100	PERMANENT COVER	2.175	ACRE
8100200	TEMPORARY COVER	1.088	ACRE
8101105	COMPOST	877.000	CY
8104005	FERTILIZER (NITROGEN)	217.500	LB
8104010	FERTILIZER (PHOSPHORIC ACID)	217.500	LB
8104015	FERTILIZER (POTASH)	217.500	LB
8105005	AGRICULTURAL GRANULAR LIME	4350.000	LB
8109050	SELECTIVE WATERING	54300.000	GAL
8109901	MOWING	6.525	ACRE
8151110	TEMPORARY EROSION CONTROL BLANKET (ECB)	53.177	MSY
8151203	HYDRAULIC EROSION CONTROL PRODUCT (HECP) - TYPE 3	2.175	ACRE
8152007	SEDIMENT TUBES FOR DITCH CHECKS	397.000	LF
8153000	SILT FENCE	1950.000	LF
8153106	FLOATING TURBIDITY BARRIER-LIGHT DUTY(6'DEPTH)	745.000	LF
8154000	SILT BASINS	352.000	CY
8156200	CLEANING INLET STRUCTURE FILTERS	6.000	EA
8156205	INLET STRUCTURE FILTER - TYPE D1	6.000	EA
8156490	STABILIZED CONSTRUCTION ENTRANCE	550.000	SY

NOT FOR CONSTRUCTION

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE	SHEET NO.
3	S.C.	ORANGEBURG	0040308	US 301	3

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



USE THIS TYPICAL SECTION ON US ROUTE 301 SOUTHBOUND
FROM STATION 5940+40.00 TO STATTION 5949+30.00 &
FROM STATION 5952+24.00 TO STATION 5960+00.00 (END OVERLAY & WIDENING)

PAVEMENT LEGEND

1	*HOT MIX ASPHALT SURFACE COURSE TYPE B (200 LBS/SY)*
2	*HOT MIX ASPHALT INTERMEDIATE COURSE TYPE B FOR BUILDUP AND LEVELING*
3	*MILL EXISTING SURFACE 2" & REPLACE WITH HMA SURFACE TYPE B (200 LBS/SY)*
4	*HOT MIX ASPHALT INTERMEDIATE COURSE TYPE B (200 LBS/SY)*
5	*HOT MIX ASPHALT BASE COURSE TYPE A (600 LBS/SY)*
6	*EXISTING ASPHALT PAVEMENT - RETAIN*

⊗ *NOTES:*

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 ℄ CONTINUING THE 4:1 SLOPE TO PROVIDE FOR THE NECESSARY DEPTH. SEE PROFILE FOR THE SPECIAL DITCH GRADES.

□ *FILL SLOPES*
6:1------0' TO 5' FILL
4:1------5' TO 10' FILL
2:1------OVER 10' FILL

• *ADD 3.5' TO SHOULDER FOR GUARDRAIL*

		DESIGN SPEED		
US ROUTE 301	RURAL PRINCIPAL ARTERIAL	MPH	FROM STA.	TO
		60	5940+40.00	5960
		EXCEPTIONS TO DESIGN SPEED		

NOT FOR CONSTRUCTION

SOUTH CAROLINA
PARTMENT OF TRANSPORTATION
AD DESIGN COLUMBIA, S.C.

TYPICAL SECTION

V=NTS SCALE I"H=NTS RTE./RD.

FED. RD. DIV. No.	STATE	COUNTY	PROJECT ID		ROUTE No.	SHEET No.
3	S.C.	ORANGEBURG	0040308		US 301	4

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
RIGHT-OF-WAY DATA SHEET

TRACT NO.	PROPERTY OWNER	TAX MAP REFERENCE	TOTAL TRACT ACRES	OBTAIN[A]				REMAINDER LEFT	REMAINDER RIGHT	DATE	TYPE OF INSTRUMENT	OUTFALL DITCH	SLOPE	DRAINAGE STRUCTURE	EROSION CONTROL	ENTRANCE CONSTRUCTION	REMARKS
				OUTFALL DITCH ACRES	LEFT	RIGHT	TOTAL	ACRES[B]	ACRES[B]	ACQUIRED		PERMISSION (YES)	PERMISSION (YES)	PERMISSION (YES)	PERMISSION (YES)	PERMISSION (YES)	
1																	NOT SHOWN IN PLANS
2																	NOT SHOWN IN PLANS
3	JAMES W. ROQUEMORE	260-00-01-008	316.80										YES		YES		OBTAIN BRIDGE CONST. ACCESS
4	C.C. WHITTEN	260-00-02-003	4.80														
5	GLORIA GARDNER, ET AL, MACON GARDNER	260-00-02-001	72.60										YES		YES		
6	DANNY Z. HODSON	260-00-02-002	16.86														
7	MANISH INC.	260-00-01-012	9.84														

NOTES:

A TOTAL OBTAIN INCLUDES HIGHLAND, MARSH AND OUTFALL DITCHES.
OBTAINS WILL BE SHOWN IN SQUARE FEET AND ACRES. ACRES WILL BE SHOWN IN PARENTHESES UNDER SQUARE FEET. IN RURAL AREAS OBTAINS MAY BE SHOWN IN ACRES ONLY. OUTFALL DITCHES WILL BE SHOWN IN ACRES ONLY.

B SHOW REMAINDER IN SQUARE FEET WHEN LESS THAN 0.25 ACRE.

NOT FOR CONSTRUCTION

REVISIONS

DATE	TRACT NO.	REMARKS	DATE	TRACT NO.	REMARKS

FED. ROAD DIV. NO.	STATE	COUNTY		PROJECT ID	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	S.C.	ORANGEBURG		0040308	US 301	4A	

TRACT 3 INSERT
SCALE: 1" = 400'

TRACT 6 INSERT
SCALE: 1" = 200'

TRACT 5 INSERT
SCALE: 1" = 400'

N

FOUR HOLE SWAMP

US 301

US 301 SB CONSTR. C/L

PRES. 80' R/W, 38.618, 1969, STW

PRES. 100' R/W

PRES. 80' R/W

PRES. 88' R/W

PRES. 83' R/W

PRES. 105' R/W

PRES. TRANS. R/W

+00.00

+84.39

+84.60

+24.98

+74.83

+70.00

+53.63

+54.06

+38.10

+57.97

+37.76

TRACT 3 INSERT
SCALE: 1" = 800'

TRACT 7 INSERT
SCALE: 1" = 400'

NOT FOR CONSTRUCTION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4			
3			
2			
1			

TOPO. DATE
DWG. DATE
R/W DATE

SQUAD *RPG3-MIDLANDS*

SOUTH CAROLINA
DEPARTMENT OF TRANSPORTATION
ROAD DESIGN COLUMBIA, S.C.

PROPERTY STRIP MAP

SCALE 1"= *100'* *US ROUTE 301* DWG. NO.

GENERAL CONSTRUCTION NOTES

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE/ROAD NO.	SHEET NO.
3	S.C.	ORANGEBURG	0040308	US 301	5

ITEM NO.	PAY ITEM	QUANTITY	PAY UNIT	USE DESCRIPTION
1031000	MOBILIZATION	1.000	LS	PER CONTRACT DOCUMENT
1031200	BRIDGE CONSTRUCTION ACCESS	1.000	LS	PER CONTRACT DOCUMENT
1032010	BONDS AND INSURANCE	1.000	LS	PER CONTRACT DOCUMENT
1050800	CONSTRUCTION STAKES, LINES & GRADES	1.000	EA	PER CONTRACT DOCUMENT
1071000	TRAFFIC CONTROL	1.000	LS	PER CONTRACT DOCUMENT
2025000	REMOVAL & DISPOSAL OF EXISTING ASPHALT PAVEMENT	5361.000	SY	FOR THE REM. AND DISP. OF EXISITNG AND TEMP. ASPHALT PAVEMENT
2027801	REMOVAL OF EXIST. GUARDRAIL	1712.000	LF	WHERE DIRECTED BY ENGINEER
2103000	FLOWABLE FILL	100.000	CY	WHERE DIRECTED BY ENGINEER
3069900	MAINTENANCE STONE	100.000	TON	WHERE DIRECTED BY ENGINEER
3100310	HOT MIX ASPHALT BASE COURSE - TYPE A	242.000	TON	FOR TEMPORARY PAVEMENT
4011004	LIQUID ASPHALT BINDER PG64-22	172.000	TON	FOR BUILD UP, LEVELING AND TEMPORARY PAVEMENT
4013200	MILLING EXISTING ASPHALT PAVEMENT 2.0"	4500.000	SY	WHERE DIRECTED BY ENGINEER
4013990	MILLING EXISTING ASPHALT PAVEMENT (VARIABLE)	1000.000	SY	WHERE DIRECTED BY ENGINEER
4019000	MILLED-IN RUMBLE STRIP	0.592	MI	WHERE DIRECTED BY ENGINEER
4020320	HOT MIX ASPHALT INTERMEDIATE COURSE TYPE B	3021.000	TON	FOR BUILD UP, LEVELING AND TEMPORARY PAVEMENT
4030320	HOT MIX ASPHALT SURFACE COURSE TYPE B	540.000	TON	REPLACEMENT OF MILLED PAVEMENT AND TEMPORARY PAVEMENT
6250005	4" WHITE BROKEN LINES -(GAPS EXCLUDED)-FAST DRY PAINT	1774.000	LF	WHERE DIRECTED BY ENGINEER
6250010	4" WHITE SOLID LINES (PVT. EDGE LINES)-FAST DRY PAINT	1774.000	LF	WHERE DIRECTED BY ENGINEER
6250110	4"YELLOW SOLID LINE(PVT.EDGE&NO PASSING ZONE)-FAST DRY PAINT	1774.000	LF	WHERE DIRECTED BY ENGINEER
6271005	4" WHITE BROKEN LINES(GAPS EXCL.)THERMOPLASTIC- 90 MIL.	1774.000	LF	WHERE DIRECTED BY ENGINEER
6271010	4" WHITE SOLID LINES (PVT. EDGE LINES) THERMO.- 90 MIL.	1774.000	LF	WHERE DIRECTED BY ENGINEER
6271074	4" YELLOW SOLID LINES(PVT.EDGE LINES) THERMO-90 MIL.	1774.000	LF	WHERE DIRECTED BY ENGINEER
6301005	PERM.YEL.PAV.MARK MONO-DIR 4X4	25.000	EA	WHERE DIRECTED BY ENGINEER
8041020	RIP-RAP (CLASS B)	28.000	TON	FOR EROSION CONTROL AT PIPE ENDS
8048205	GEOTEXTILE FOR EROSION CONTROL UNDER RIPRAP(CLASS 2)TYPE B	36.000	SY	FOR EROSION CONTROL AT PIPE ENDS
8055250	NON-MOW STRIP UNDER GUARDRAIL	3579.000	SY	FOR PAVING UNDER GUARDRAIL
8068301	TEMPORARY BARRIER FENCE	4000.000	LF	WHERE DIRECTED BY ENGINEER
8091010	RIGHT OF WAY MARKER(REBAR AND CAP)	14.000	EA	FOR R/W BOUNDRIES WHERE DIRECTED BY ENGINEER
8091050	RIGHT OF WAY PLAT	1.000	LS	FOR R/W DOCUMENTATION
8100100	PERMANENT COVER	2.175	ACRE	FOR ALL DISTURBED AREAS
8100200	TEMPORARY COVER	1.088	ACRE	FOR ALL DISTURBED AREAS
8101105	COMPOST	877.000	CY	FOR EROSION CONTROL
8104005	FERTILIZER (NITROGEN)	217.500	LB	FOR EROSION CONTROL
8104010	FERTILIZER (PHOSPHORIC ACID)	217.500	LB	FOR EROSION CONTROL
8104015	FERTILIZER (POTASH)	217.500	LB	FOR EROSION CONTROL
8105005	AGRICULTURAL GRANULAR LIME	4350.000	LB	FOR EROSION CONTROL
8109050	SELECTIVE WATERING	54300.000	GAL	FOR EROSION CONTROL
8109901	MOWING	6.525	ACRE	FOR EROSION CONTROL
8152007	SEDIMENT TUBES FOR DITCH CHECKS	100.000	LF	FOR EROSION CONTROL
8153000	SILT FENCE	1950.000	LF	FOR EROSION CONTROL
8154000	SILT BASINS	352.000	CY	FOR EROSION CONTROL
8156200	CLEANING INLET STRUCTURE FILTERS	6.000	EA	WHERE DIRECTED BY ENGINEER
8156490	STABILIZED CONSTRUCTION ENTRANCE	550.000	SY	WHERE DIRECTED BY ENGINEER

PROJECT CONTACTS		
	NAME	TELEPHONE
Program/Project Manager	ADAM HUMPHRIES P.E.	(803) 737-3081
Roadway Design Engineer	Ansel Stuck P.E.	(803) 737-3076
Design Group Coordinator	JP Miller	(803)737-1416

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

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

THE FOLLOWING QUANTITIES ARE NOT SHOWN IN DETAIL ON THE PLANS BUT ARE INCLUDED IN THE SUMMARY OF ESTIMATED QUANTITIES AND MAY BE ADJUSTED DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER.

NOTE: USE IMMINENT (JULY 2017 VERSION) STANDARD DRAWINGS 805-525-01 & 805-505-02 FOR NON-MOW STRIP UNDER GUARDRAIL.

TABLE 804-305B

		2:1 SLOPE		3:1 SLOPE		4:1 SLOPE		6:1 SLOPE	
PIPE INSIDE DIAMETER [IN]	REQ'D RIPRAP	RIPRAP [TON]	GEOTEXTILE [SY]	RIPRAP [TON]	GEOTEXTILE [SY]	RIPRAP [TON]	GEOTEXTILE [SY]	RIPRAP [TON]	GEOTEXTILE [SY]
12	B	6	7	8	10	10	12	15	18
15	B	6	8	9	11	11	14	16	20
18	B	7	9	10	12	12	15	18	22
24	B	8	10	11	15	15	19	22	27
30	B	10	13	14	18	18	23	26	34
36	B	13	17	18	24	23	31	34	45
42	B	16	21	23	30	29	39	43	57
48	B	20	26	28	37	36	48	53	70
54	B	24	32	34	45	44	59	64	86
60	B	29	39	40	54	53	71	77	104
66	B	34	48	48	64	62	84	91	124
72	B	40	53	56	75	73	98	107	145
78	B	46	62	64	87	84	114	123	167
84	B	52	71	74	100	96	130	141	192
90	C	102	80	144	113	188	148	277	218
96	C	115	91	162	128	211	167	311	245
108	C	143	113	201	159	262	207	387	306
120	C	175	138	247	195	322	254	474	375

NOT FOR CONSTRUCTION

FED. RD. DIV. No.	STATE	COUNTY	PROJECT ID		ROUTE No.	SHEET No.	
3	S.C.	ORANGEBURG	0040308		US 301	5A	

Details of Alignment 1 - US Route 301 (Five Chop Road)

P.I. Station 5924+85.58 N 591,480.2614 E 2,109,980.9028
P.C. Station 5920+32.50 N 591,496.3566 E 2,110,433.6924
P.T. Station 5929+37.58 N 591,410.4069 E 2,109,533.2447
Back = S 87° 57' 51" W
Ahead = S 81° 07' 51" W
Course from PT US301A to 15 S 81° 07' 51" W Dist 4,144.4648

Point 15 N 590,771.4199 E 2,105,438.3351 Sta 5970+82.04

Details of Alignment 2 - SB301 (Five Chop Road)

Point 2030 N 591,439.5542 E 2,109,528.6964 Sta 5929+37.58
Course from 2030 to 2031 S 81° 07' 51.06" W Dist 4,144.4648
Point 2031 N 590,800.5672 E 2,105,433.7868 Sta 5970+82.04

Details of Alignment 3 - CREEK1

Point 20 N 591,195.99 E 2,107,037.01 Sta 2+22.93
Course from 20 to 21 S 75° 34' 37.74" W Dist 668.78
Point 21 N 591,029.42 E 2,106,389.31 Sta 8+91.71
Course from 21 to 23 S 8° 37' 18.65" E Dist 246.44
Point 23 N 590,785.76 E 2,106,426.26 Sta 11+38.15
Course from 23 to 24 N 84° 33' 23.43" E Dist 144.92
Point 24 N 590,799.51 E 2,106,570.52 Sta 12+83.07
Course from 24 to 25 S 18° 01' 28.13" E Dist 69.07
Point 25 N 590,733.82 E 2,106,591.89 Sta 13+52.14
Course from 25 to 26 S 79° 56' 05.54" E Dist 114.34
Point 26 N 590,713.84 E 2,106,704.47 Sta 14+66.48
Course from 26 to 27 N 72° 56' 09.17" E Dist 155.27
Point 27 N 590,759.40 E 2,106,852.90 Sta 16+21.75
Course from 27 to 28 N 79° 51' 45.87" E Dist 81.12
Point 28 N 590,773.68 E 2,106,932.75 Sta 17+02.87
Course from 28 to 29 N 57° 38' 35.08" E Dist 110.72
Point 29 N 590,832.94 E 2,107,026.29 Sta 18+13.59
Course from 29 to 30 S 63° 34' 05.53" E Dist 101.11
Point 30 N 590,787.93 E 2,107,116.82 Sta 19+14.69
Course from 30 to 31 S 38° 08' 31.87" E Dist 89.65
Point 31 N 590,717.42 E 2,107,172.19 Sta 20+04.35

CONTROL POINT INFORMATION

CP 1 SCDOT STANDARD DISK
N=591358.69000 E=2109174.35200 Z=130.28000
Sta. = 5933+00.15 Off = 4.23 US301

CP 2 SCDOT STANDARD DISK
N=591188.64400 E=2108088.07000 Z=119.82500
Sta. = 5943+99.66 Off = 3.70 US301

CP 3 SCDOT STANDARD DISK
N=591012.43400 E=2106954.68600 Z=119.62000
Sta. = 5955+46.66 Off = 4.34 US301

CP 4 SCDOT STANDARD DISK
N=590845.27700 E=2105876.81600 Z=122.69000
Sta. = 5966+37.42 Off = 5.37 US301

CP 5 SCDOT STANDARD DISK
N=590782.91700 E=2105187.79300 Z=142.80000
Sta. = 5973+27.82 Off = 49.99 US301

BENCHMARK INFORMATION

BM 1 NAIL IN BASE OF 18" PINE
N=591287.99255 E=2109358.55046 Z=131.47000
Sta. = 5931+29.06 Off = -94.02 US301

BM 2 NAIL IN BASE OF 15" HICKORY
N=591182.88117 E=2108606.24052 Z=124.64000
Sta. = 5938+88.58 Off = -81.88 US301

BM 3 NAIL IN BASE OF 18" GUM
N=591011.00280 E=2107638.81947 Z=113.24000
Sta. = 5948+70.93 Off = -102.55 US301

BM 4 RAIL ROAD SPIKE IN BASE OF 40" LIVE OAK
N=591041.83020 E=2106604.57383 Z=114.60500
Sta. = 5958+88.06 Off = 87.37 US301

BM 5 NAIL IN BASE OF 18" PINE
N=590924.18305 E=2105465.87820 Z=135.16000
Sta. = 5970+31.28 Off = 146.69 US301

Curve Data US Route 301 (Five Chop Road)

P.I. = 5924+85.58
Δ = 6° 50' 00" (LT)
D = 0° 45' 18"
T = 453.08'
L = 905.08'
E = 13.51'
R = 7,588.84'

NOTE:
ALL COORDINATES ARE STATE PLANE
VERTICAL DATUM = NAVD-88
HORIZONTAL DATUM = NAD-83(2007)
SCALE FACTOR = 0.999798

SB301 LEFT

Station-Offset	Description
5947+27--30.8	GUARD RAIL
5947+27--28.8	GUARD RAIL
5947+69--28.1	GUARD RAIL
5947+70--30.4	GUARD RAIL
5948+07--22.5	GUARD RAIL
5948+19--37.9	GUARD RAIL
5948+45--15.7	GUARD RAIL
5948+45--41.8	GUARD RAIL
5948+67--12.6	GUARD RAIL
5949+28--41.3	GUARD RAIL
5949+28--40.2	CONC BRIDGE
5949+28--40.2	CONC BRIDGE
5949+28--40.3	HEADWALL
5949+28--37.0	HEADWALL
5949+29--40.1	FILL CAP FOR U/G TANK
5949+45--20.4	HEADWALL
5949+48--15.5	HEADWALL
5949+49--15.2	CONC BRIDGE
5949+50--40.1	FILL CAP FOR U/G TANK
5949+71--14.5	FILL CAP FOR U/G TANK
5949+72--40.1	FILL CAP FOR U/G TANK
5949+93--14.6	FILL CAP FOR U/G TANK
5949+94--40.0	FILL CAP FOR U/G TANK
5950+16--14.6	FILL CAP FOR U/G TANK
5950+17--40.1	FILL CAP FOR U/G TANK
5950+38--14.6	FILL CAP FOR U/G TANK
5950+40--40.0	FILL CAP FOR U/G TANK
5950+61--14.6	FILL CAP FOR U/G TANK
5950+62--40.2	FILL CAP FOR U/G TANK
5950+83--14.5	FILL CAP FOR U/G TANK
5950+84--39.9	FILL CAP FOR U/G TANK
5951+05--14.5	FILL CAP FOR U/G TANK
5951+06--39.9	FILL CAP FOR U/G TANK
5951+27--14.5	FILL CAP FOR U/G TANK
5951+29--40.0	FILL CAP FOR U/G TANK
5951+50--14.4	FILL CAP FOR U/G TANK
5951+51--40.1	FILL CAP FOR U/G TANK
5951+72--14.4	FILL CAP FOR U/G TANK
5951+73--39.9	FILL CAP FOR U/G TANK
5951+95--15.4	CONC BRIDGE
5951+96--40.0	FILL CAP FOR U/G TANK
5951+96--15.7	HEADWALL
5951+99--20.7	HEADWALL
5952+17--40.1	FILL CAP FOR U/G TANK
5952+18--40.4	HEADWALL
5952+18--37.1	HEADWALL
5952+18--40.4	CONC BRIDGE
5952+19--41.7	GUARD RAIL
5952+79--12.8	GUARD RAIL
5953+01--41.4	GUARD RAIL

SB301 LEFT

Station-Offset	Description
5953+66--31.1	GUARD RAIL
5953+66--26.4	GUARD RAIL
5953+76--27.5	GUARD RAIL
5953+76--30.0	GUARD RAIL
5954+13--27.5	GUARD RAIL
5954+13--30.1	GUARD RAIL
5958+83--27.6	GUARD RAIL
5958+83--29.6	GUARD RAIL
5959+27--30.0	GUARD RAIL
5959+27--27.4	GUARD RAIL
5959+52--23.0	GUARD RAIL
5959+52--33.8	GUARD RAIL
5959+95--15.8	GUARD RAIL
5959+96--40.7	GUARD RAIL
5960+02--15.4	GUARD RAIL
5960+04--41.4	GUARD RAIL
5960+84--16.0	HEADWALL
5960+84--41.6	GUARD RAIL
5960+84--40.4	CONC BRIDGE
5960+84--40.3	HEADWALL
5960+84--37.0	HEADWALL
5960+85--40.1	FILL CAP FOR U/G TANK
5961+12--40.2	FILL CAP FOR U/G TANK
5961+28--40.2	FILL CAP FOR U/G TANK
5961+28--37.0	HEADWALL
5961+28--40.2	HEADWALL
5961+29--15.9	HEADWALL
5961+29--40.1	CONC BRIDGE
5961+29--41.4	GUARD RAIL
5962+12--41.8	GUARD RAIL
5962+14--15.5	GUARD RAIL
5962+51--21.5	GUARD RAIL
5962+74--32.5	GUARD RAIL
5962+87--28.1	GUARD RAIL
5962+98--30.7	GUARD RAIL
5963+00--28.3	GUARD RAIL
5963+23--30.9	GUARD RAIL
5963+25--28.3	GUARD RAIL

SB301 RIGHT

Station-Offset	Description
5931+79--26.1	TELEPHONE UITLITY MH
5931+79--37.2	FOC WITNESS MARKER
5932+84--50.9	PROPERTY CORNER FOUND
5937+10--43.5	FOC WITNESS MARKER
5940+58--57.5	B48 FENCE
5940+66--59.5	FENCE
5940+71--62.8	FENCE
5940+77--67.6	FENCE
5941+07--67.7	FENCE
5941+14--53.3	FENCE
5941+21--49.6	FENCE
5942+34--29.8	TELEPHONE UITLITY MH
5942+39--52.0	FOC WITNESS MARKER
5945+84--50.1	R/W MONUMENT
5945+85--53.0	R/W MONUMENT
5947+31--35.0	FOC WITNESS MARKER
5947+66--19.4	GUARD RAIL
5947+73--16.5	GUARD RAIL
5948+04--13.8	GUARD RAIL
5948+75--53.3	R/W MONUMENT
5948+76--74.8	R/W MONUMENT
5949+45--21.4	HEADWALL
5949+48--16.4	HEADWALL
5949+49--16.1	CONC BRIDGE
5949+49--16.1	CONC BRIDGE
5949+71--14.4	FILL CAP FOR U/G TANK
5949+93--14.4	FILL CAP FOR U/G TANK
5950+16--14.6	FILL CAP FOR U/G TANK
5950+38--14.6	FILL CAP FOR U/G TANK
5950+60--14.6	FILL CAP FOR U/G TANK
5950+83--14.7	FILL CAP FOR U/G TANK
5951+05--14.6	FILL CAP FOR U/G TANK
5951+27--14.6	FILL CAP FOR U/G TANK
5951+50--14.7	FILL CAP FOR U/G TANK
5951+72--14.7	FILL CAP FOR U/G TANK
5951+95--15.9	CONC BRIDGE
5951+96--16.1	HEADWALL
5951+99--20.6	HEADWALL
5952+29--13.7	GUARD RAIL
5952+70--57.1	R/W MONUMENT
5952+75--37.5	FOC WITNESS MARKER
5952+75--27.0	TELEPHONE UITLITY MH
5956+54--50.7	R/W MONUMENT
5956+54--58.5	R/W MONUMENT
5958+03--34.1	FOC WITNESS MARKER
5959+25--21.3	GUARD RAIL
5959+35--18.6	GUARD RAIL
5959+63--16.3	GUARD RAIL
5959+99--50.4	R/W MONUMENT
5960+81--20.6	HEADWALL

SB301 RIGHT

Station-Offset	Description
5960+83--16.5	HEADWALL
5960+83--17.0	HEADWALL
5961+28--17.0	HEADWALL
5962+76--15.6	GUARD RAIL
5963+22--25.3	TELE. UITLITY MH
5967+30--41.1	FOC WIT. MARKER

NOT FOR CONSTRUCTION

REV. NO.	BY	DATE	DESCRIPTION OF REVISION
4			
3			
2			
1			

TOPO. _____ DATE _____
DWG. _____ DATE _____ RPG 3B - MIDLANDS
R/W _____ DATE _____

SOUTH CAROLINA
DEPARTMENT OF TRANSPORTATION
COLUMBIA, S.C.

REFERENCE DATA SHEET

SCALE 1"= RTE.

UTILITY OWNERS:		ABOVE GROUND	BURIED	BOTH
POWER:	DEPT. OF PUBLIC UTILITY	X		
TELEPHONE:	AT&T		X	
GAS:	DEPT. OF PUBLIC UTILITY		X	
SEWER:	N/A			
CABLE TV:	N/A			
WATER	DEPT. OF PUBLIC UTILITY		X	

ALIGNMENT CONTROL CAN BE FOUND ON REFERENCE SHEET

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
3	S.C.	ORANGEBURG	0040308	US 301	6

FIVE CHOP ROAD

SURVEY STA. 5940+40.00 BEGIN
PROJECT ID 0040308
U.S. ROUTE 301 (FIVE CHOP RD.)

RETAIN 41' - 24" C.M. PIPE

RETAIN 11' - 18" R.C. PIPE

PRES. 80' R/W

PRES. 100' R/W

PRES. 88' R/W

PRES. 83' R/W

ERECT 362.5 LF GUARDRAIL
CONSTR. END TERMINAL TYPE T
CONSTR. THRIE BEAM BRIDGE CONN.
CONST. NON-MOW STRIP

CONST. DROP INLET TYPE 112
USE D1 INLET STRUCTURE FILTER
PLACE NEW 72'-18" S.W.P.

ERECT 325.0 LF GUARDRAIL
CONSTR. END TERMINAL TYPE T
CONSTR. THRIE BEAM BRIDGE CONN.
CONST. NON-MOW STRIP

CONSTR. SHOULDER PAVING, BRDG.APPR.CONC.C&G (1'-10") AND FLUME AND PLACE 10 TONS RIPRAP

REMOVE EXISTING 247' X 26' CONC. BRIDGE
CONSTRUCT 294' X 44' CONC. BRIDGE
STA. 5949+30.00 TO STA. 5952+24.00 WITH
20' APPROACH SLABS EACH END. SLABS
TO BE OVERLAID WITH H/M ASPHALT
SURFACE COURSE (210#/SY).
SEE BRIDGE PLANS

PLACE FLOATING TURBIDITY BARRIER
APPROX. AS SHOWN OR WHERE DIRECTED
BY THE ENGINEER

RETAIN 12' - 18" R.C. PIPE
RETAIN DROP INLET TYPE 112
USE D1 INLET STRUCTURE FILTER

CONSTR. SHOULDER PAVING, BRDG.APPR.CONC.C&G (1'-10") AND FLUME DO NOT PLACE RIPRAP.

ERECT THRIE BEAM GUARDRAIL WITH BASE PLATE.

RETAIN 13' - 18" R.C. PIPE
RETAIN DROP INLET TYPE 112
USE D1 INLET STRUCTURE FILTER

ERECT 725.0 LF GUARDRAIL
CONSTR. THRIE BEAM BRIDGE CONN.
CONST. NON-MOW STRIP

ERECT 687.5 LF GUARDRAIL
CONSTR. THRIE BEAM BRIDGE CONN.
CONST. NON-MOW STRIP

PLACE FLOATING TURBIDITY BARRIER
APPROX. AS SHOWN OR WHERE DIRECTED
BY THE ENGINEER

CONSTR. SHOULDER PAVING, BRDG.APPR.CONC.C&G (1'-10") AND FLUME AND PLACE 10 TONS RIPRAP

TIE EQUALITY:
P.O.T. STA. 5950+75.31 US 301 SB =
P.I. STA. 9+70.50 SWAMP

Match Line Sta. 5955+00.00

US 301 SB (FIVE CHOP ROAD)

US 301 NB CONSTR. (FIVE CHOP ROAD)

US 301

FOUR HOLE SWAMP

PAVED DITCH

S 81° 07' 51" W

S 9° 18' 20" E

S 34° 10' E

HYDROLOGY DATA:
D.A.= 136 sq.mi.= 87051 ac.
Q50 = 5890 cfs
Vel. = 2.94 ft/sec
50 Year H.W. Elev. = 118.15ft.
Q100 = 7040 cfs
Vel = 3.25 ft/sec
100 Yr. H.W. Elev. = 118.83ft.
NOTE : Data from Bridge Sect
OVERTOPPING FLOOD:
Q= 9640 cfs
Probability = N/A %

NOT FOR CONSTRUCTION

+40.00 EXC = 85 C.Y. TOTAL = 85 C.Y.
EMB. = 61 C.Y. 40% = 24 C.Y. TOTAL = 85 C.Y.
+06.67
EXC. = 127 C.Y. BORROW = 1967 C.Y. SUBTOTAL = 2094 C.Y. LESS BORROW = 1967 C.Y. TOTAL = 127 C.Y.
EMB. = 1496 C.Y. 40% = 598 C.Y. SUBTOTAL = 2094 C.Y. LESS BORROW = 1967 C.Y. TOTAL = 127 C.Y.
OBTAIN 1967 CY BORROW OFFSITE.
+54.37
+88.63

K = 320
200' V.C.
(-) 1.02%
(-) 0.40%
VPI = 5941+40.00
Elev. = 122.89

K = 383
200' V.C.
(-) 0.40%
(+) 0.12%
LOW POINT STA. 5944+86.77
ELEVATION 121.81
VPI = 5944+34.00
Elev. = 121.71

FINISHED GRADE

REMOVE EXISTING EMBANKMENT TO EXISTING GROUND LINE
EST. EXC. = 133 CY

PLACE 858 TONS OF RIPRAP CLASS B AT BRIDGE ENDS
PLACE 1716 SY OF GEOTEXTILE FABRIC

TIE US 301 SB BRIDGE ABUTMENT RIPRAP TO US 301 NB BRIDGE ABUTMENT

SPECIAL DITCH SECTION
STA. 5945+00 MEDIAN TO STA. 5949+20.59 MEDIAN
FROM MEDIAN CUT TO INLET.
USE 37 TONS HOT MIX ASPHALT FOR DITCH PAVING (300 LBS/SY).

TOE OF FILL
STA. 5949+54.37

TOE OF FILL
STA. 5952+88.63

REMOVE EXISTING EMBANKMENT TO EXISTING GROUND LINE
EST. EXC. = 443 CY

SPECIAL DITCH SECTION
STA. 5945+00 MEDIAN TO STA. 5960+74.90 MEDIAN
FROM MEDIAN CUT TO INLET.
USE 218 TONS HOT MIX ASPHALT FOR DITCH PAVING (300 LBS/SY).

VPI = 5953+50.00
Elev. = 122.84
(+) 0.12%
(-) 0.56%
K = 295
200' V.C.
122.72 VPC
122.29 VPT

123.91 - VPC 5940+40.00
123.81
123.35
122.97
122.67
122.49 VPT - 5942+40.00
122.45
122.25
122.11 - VPC 5943+34.00
122.05
121.90
121.82
121.81
121.84 - VPT 5945+34.00
121.86
121.92
121.98
122.04
122.10
122.16
122.23
122.29
122.32 BEGIN BRIDGE 5949+30.00
122.35
122.41
122.47
122.53
122.60
122.66
122.69 END BRIDGE 5952+24.00
122.72 - VPC 5952+50.00
122.74
122.67
122.52
122.29 - VPT 5955+50.00
122.01

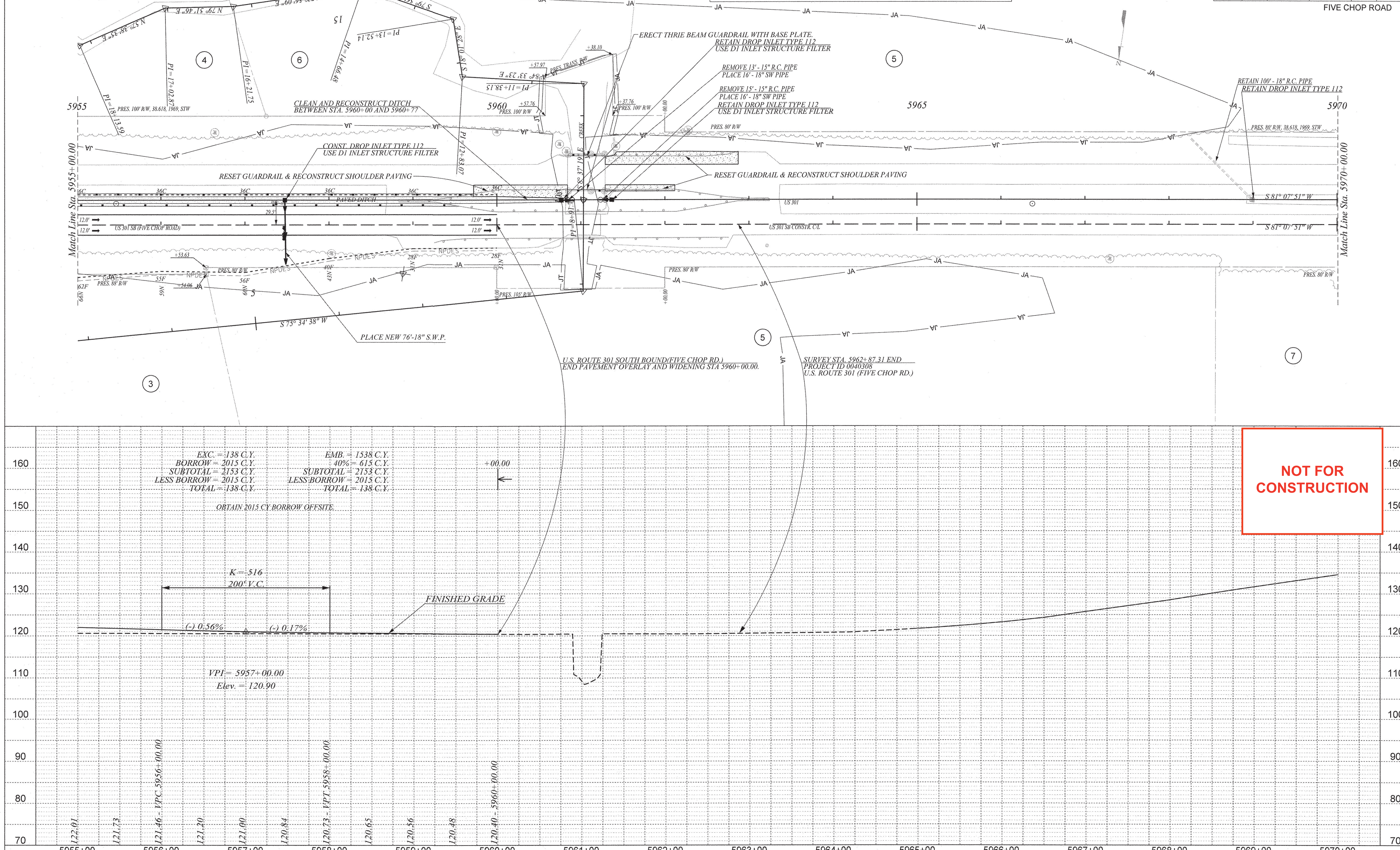
160 150 140 130 120 110 100 90 80 70

5940+00 5941+00 5942+00 5943+00 5944+00 5945+00 5946+00 5947+00 5948+00 5949+00 5950+00 5951+00 5952+00 5953+00 5954+00 5955+00

FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
3	S.C.	ORANGEBURG	0040308	US 301	7

FIVE CHOP ROAD

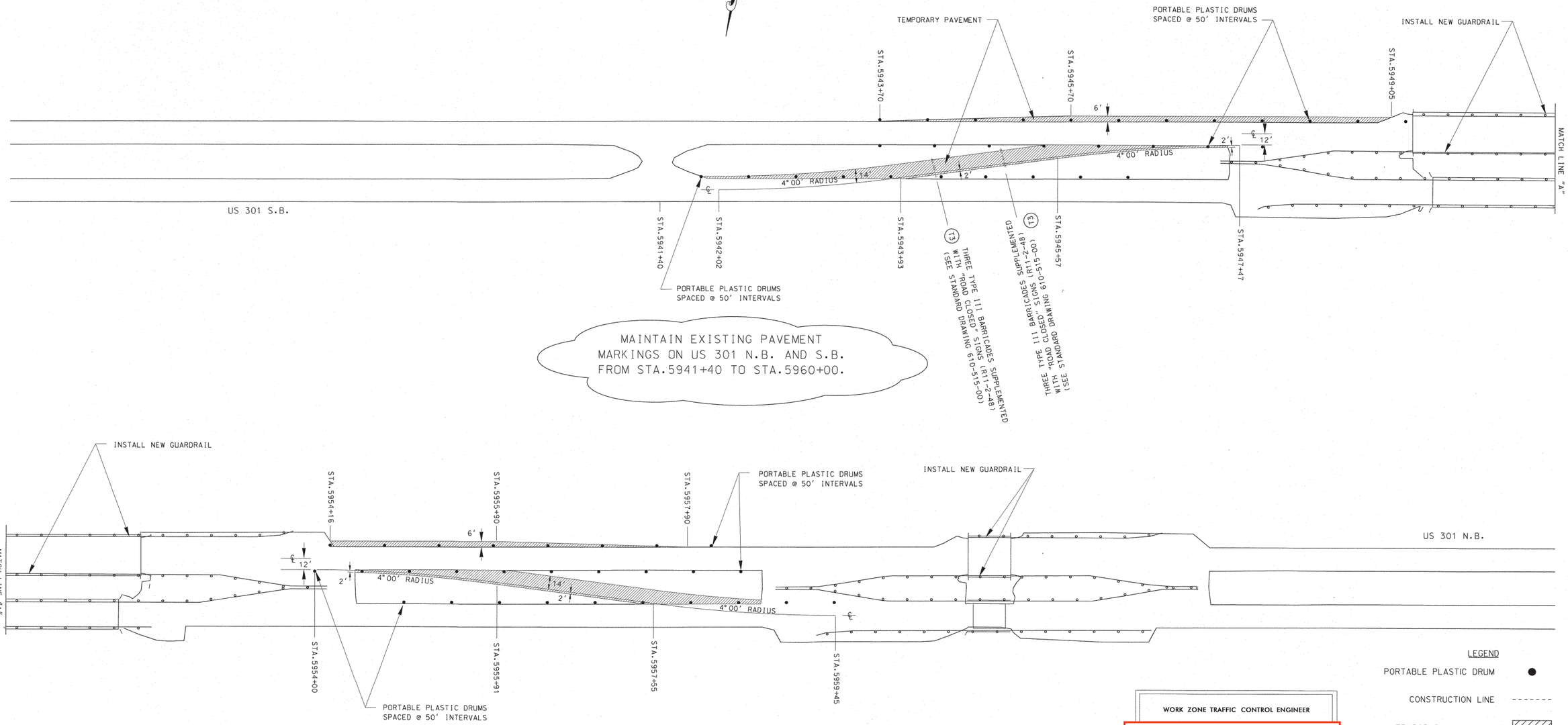
ALIGNMENT CONTROL CAN BE FOUND ON REFERENCE SHEET



NOT FOR CONSTRUCTION

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	S.C.	ORANGEBURG	0040308		US 301	TC-1	

STAGE ONE TRAFFIC CONTROL



LEGEND

PORTABLE PLASTIC DRUM ●

CONSTRUCTION LINE -------

TEMPORARY PAVEMENT ▨

WORK ZONE TRAFFIC CONTROL ENGINEER

NOT FOR CONSTRUCTION

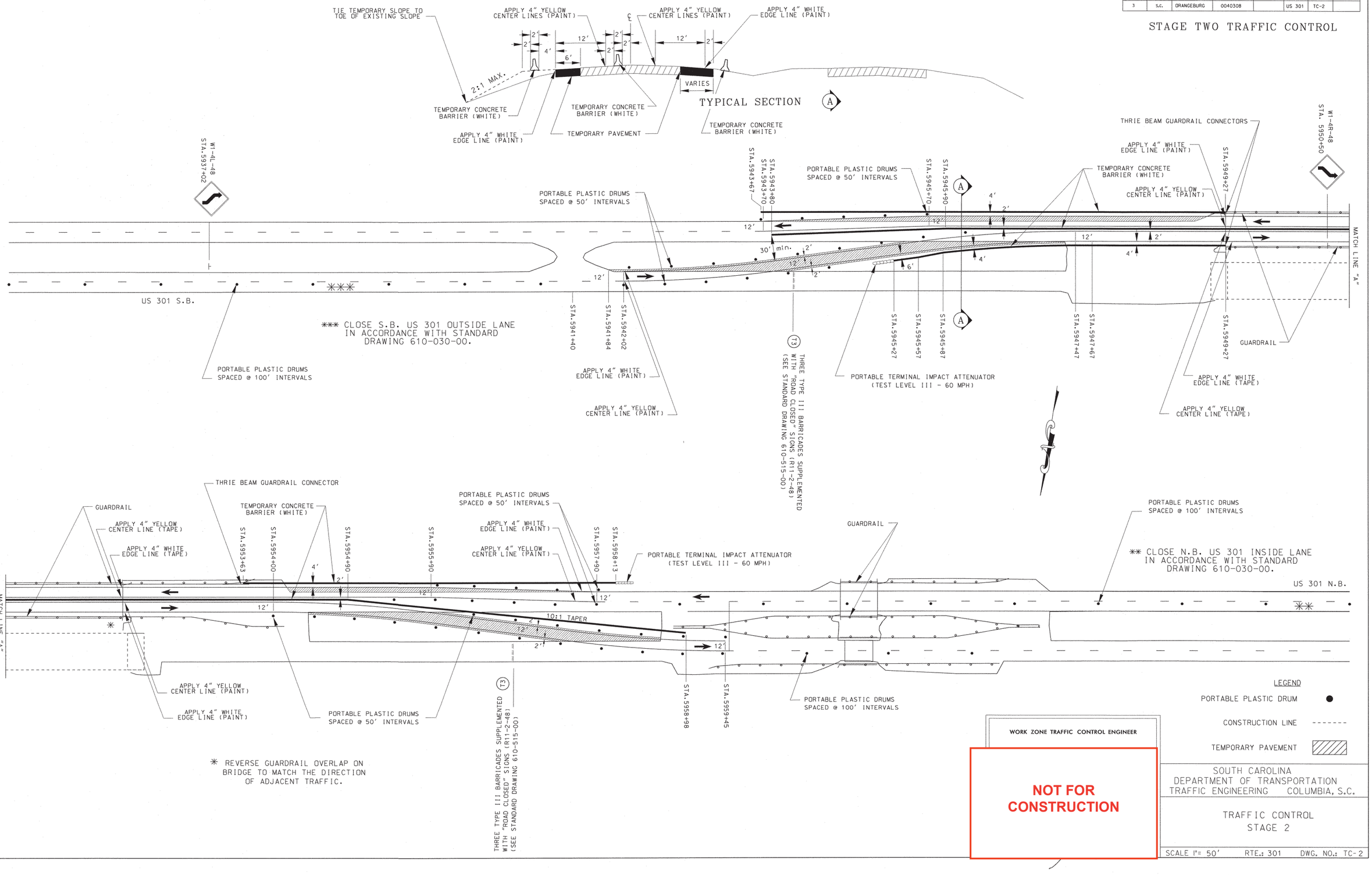
SOUTH CAROLINA
DEPARTMENT OF TRANSPORTATION
TRAFFIC ENGINEERING COLUMBIA, S.C.

TRAFFIC CONTROL
STAGE 1

SCALE 1"= 50' RTE.: 301 DWG. NO.: TC-1

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	S.C.	ORANGEBURG	0040308		US 301	TC-2	

STAGE TWO TRAFFIC CONTROL



* REVERSE GUARDRAIL OVERLAP ON BRIDGE TO MATCH THE DIRECTION OF ADJACENT TRAFFIC.

WORK ZONE TRAFFIC CONTROL ENGINEER

NOT FOR CONSTRUCTION

SOUTH CAROLINA
DEPARTMENT OF TRANSPORTATION
TRAFFIC ENGINEERING COLUMBIA, S.C.

TRAFFIC CONTROL
STAGE 2

SCALE 1"= 50' RTE.: 301 DWG. NO.: TC-2

EROSION CONTROL DATA SHEET

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID)	ROAD/ROUTE NO.	SHEET NO.
3	S.C.	ORANGEBURG	0040308	US 301	EC1

RECEIVING WATERS

ROAD / ROUTE	OUTFALL DITCH		NAME OF RECEIVING WATERS	NAME OF ULTIMATE RECEIVING WATERS
	STATION	SIDE		
US 301 SB	5949+37	M	FOUR HOLE SWAMP	EDISTO RIVER
US 301 SB	5952+10	M	FOUR HOLE SWAMP	EDISTO RIVER
US 301 SB	5960+92	M	FOUR HOLE SWAMP	EDISTO RIVER
US 301 SB	5943+45.59	RT	FOUR HOLE SWAMP	EDISTO RIVER

ROAD / ROUTE	OUTFALL DITCH		NAME OF RECEIVING WATERS	NAME OF ULTIMATE RECEIVING WATERS
	STATION	SIDE		

SOIL TYPES

ROAD / ROUTE	STATION TO STATION		SOIL PARTICLE SIZE (COARSE / FINE)	ZONE
US 301	5941+53	59+60.00	FINE	LCP
		LOWER	COSTAL	PLAIN

TEMPORARY EROSION CONTROL BLANKET

ROAD / ROUTE	STATION TO STATION		SIDE	DEPTH OF BLANKET (FT)	SLOPES x : 1		DITCH BOTTOM WIDTH (FT)	MSY
					FRONT	BACK		
US 301 SB	5942+00	5943+00	RT	19	7	0	0	1.704
US 301 SB	5943+00	5944+00	RT	19	6	0	0	1.495
US 301 SB	5944+00	5945+00	RT	19	5	0	0	1.288
US 301 SB	5945+00	5949+00	RT	39	4	0	0	8.880
US 301 SB	5942+56	5958+00	RT	44	4	0	0	38.671
US 301 SB	5958+00	5959+00	RT	20	4	0	0	1.138
							TOTALS	53.177

SEDIMENT DAM

ROAD / ROUTE	NO	STATION	SIDE	DRAINED OR NOT DRAINED	LENGTH OF BASIN	WIDTH OF BASIN	DEPTH OF BASIN	SIDE SLOPE OF BASIN	SPILLWAY WIDTH	SPILLWAY DEPTH	TOTAL HEIGHT TO SPILLWAY	SEDIMENT STORAGE VOLUME	RUNOFF STORAGE VOLUME	OUTFALL CHANNEL WIDTH	OUTFALL CHANNEL DEPTH	OUTFALL CHANNEL LENGTH

SEDIMENT TUBES IN DITCHES

ROAD / ROUTE	STATION TO STATION		SIDE	AVERAGE LENGTH	SPACING (FT)	TOTAL	COMMENTS
US 301 SB	5941+53	5949+23	M	17	100	153	
US 301 SB	5952+24	5955+00	M	15	100	60	
US 301 SB	5955+00	5960+77	M	11	150	55	
US 301 SB	5941+53	5943+75	M	20	75	80	
					GRAND TOTAL	297	

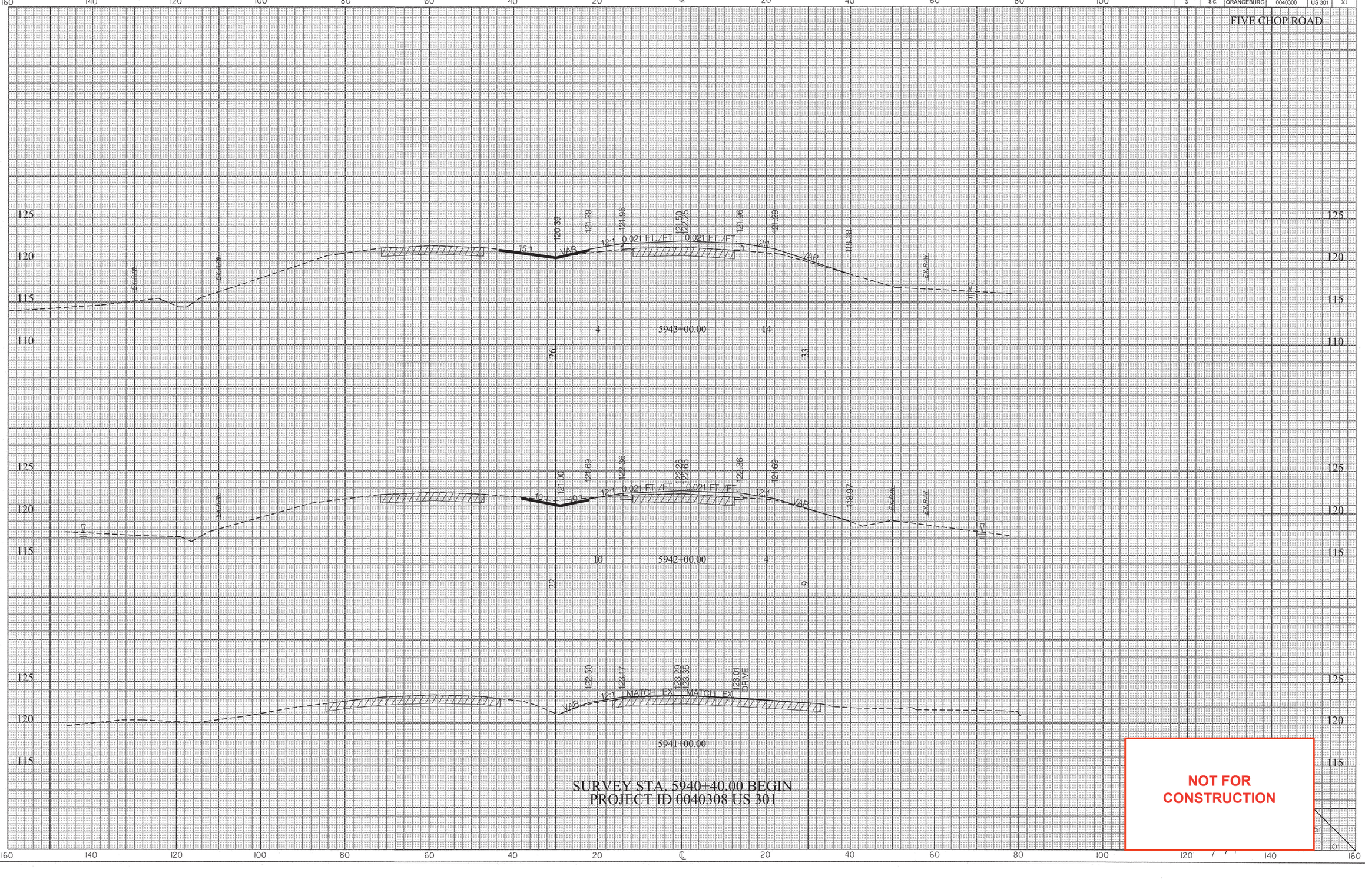
TURF REINFORCED MATTING (TRM)

ROAD / ROUTE	STATION TO STATION		SIDE	DEPTH OF MAT (FT)	SLOPES x: 1		DITCH BOTTOM WIDTH (FT)	TYPE	TYPE 1 (MSY)	TYPE 2 (MSY)	TYPE 3 (MSY)
					FRONT	BACK					
								TOTALS	0.000	0.000	0.000

NOT FOR CONSTRUCTION

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
3	S.C.	ORANGEBURG	0040308	US 301	X1

FIVE CHOP ROAD

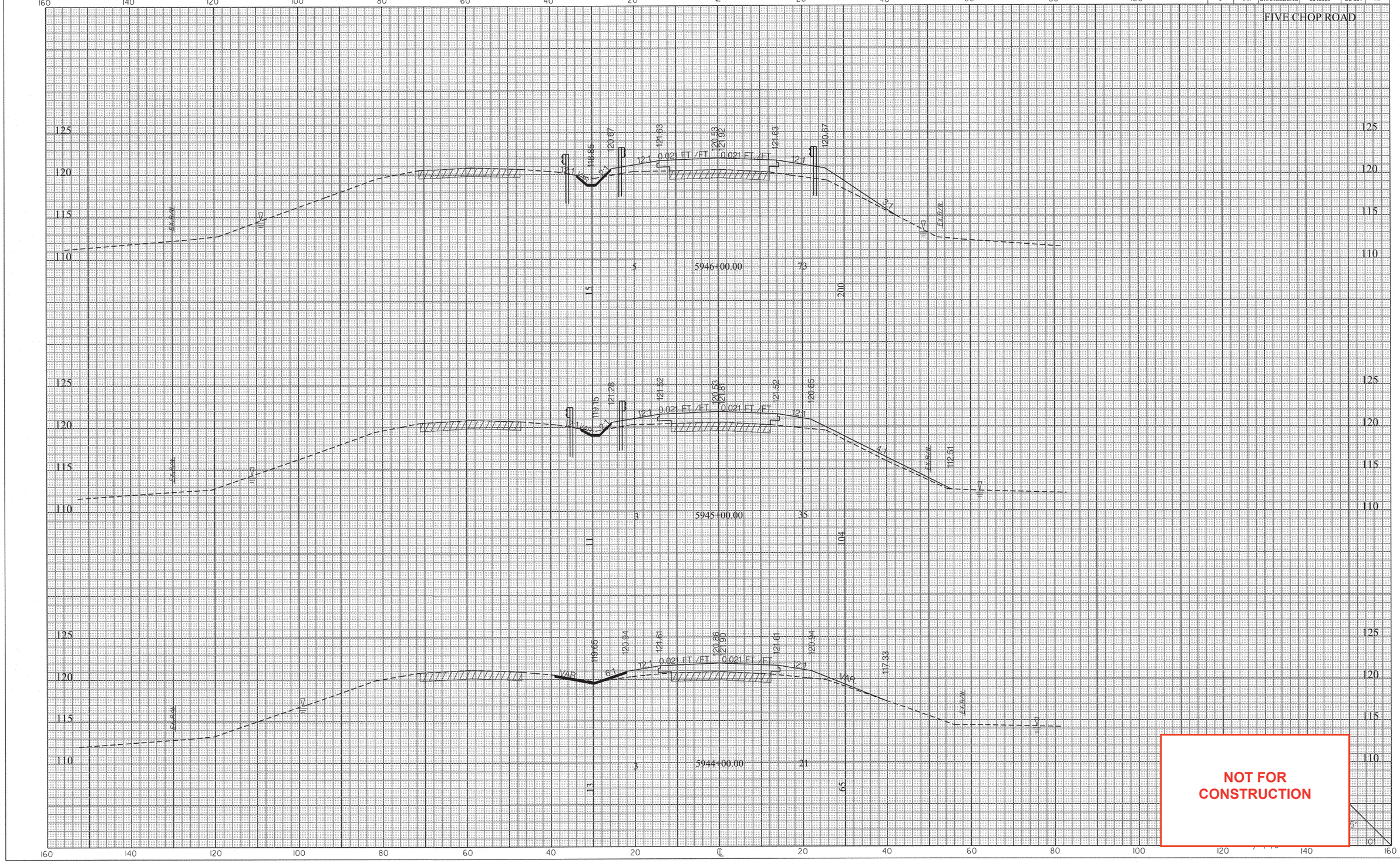


SURVEY STA. 5940+40.00 BEGIN
PROJECT ID 0040308 US 301

NOT FOR CONSTRUCTION

FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
3	S.C.	ORANGEBURG	0040308	US 301	X2

FIVE CHOP ROAD

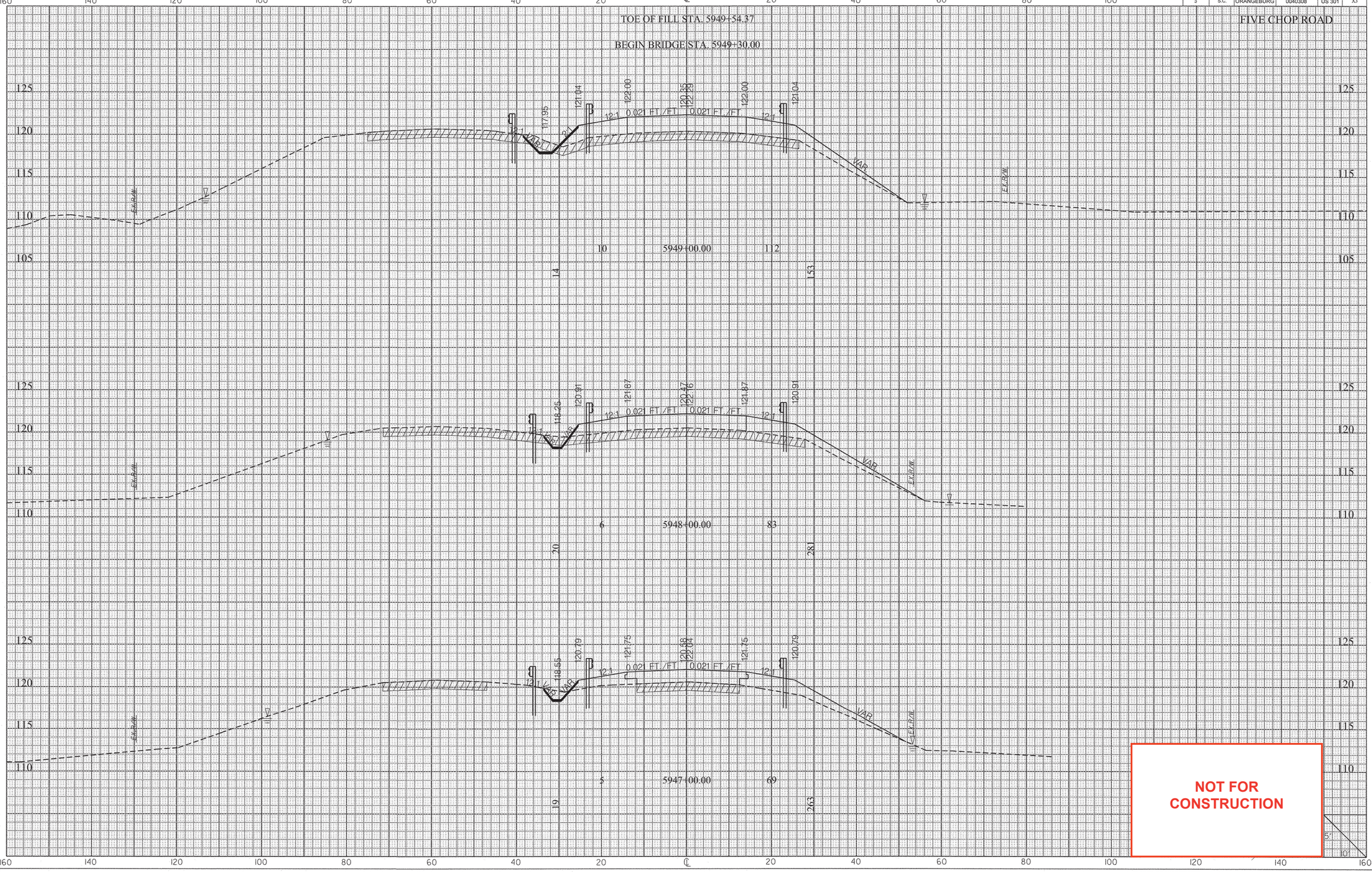


FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
3	S.C.	ORANGEBURG	0040308	US 301	X3

FIVE CHOP ROAD

TOE OF FILL STA. 5949+54.37

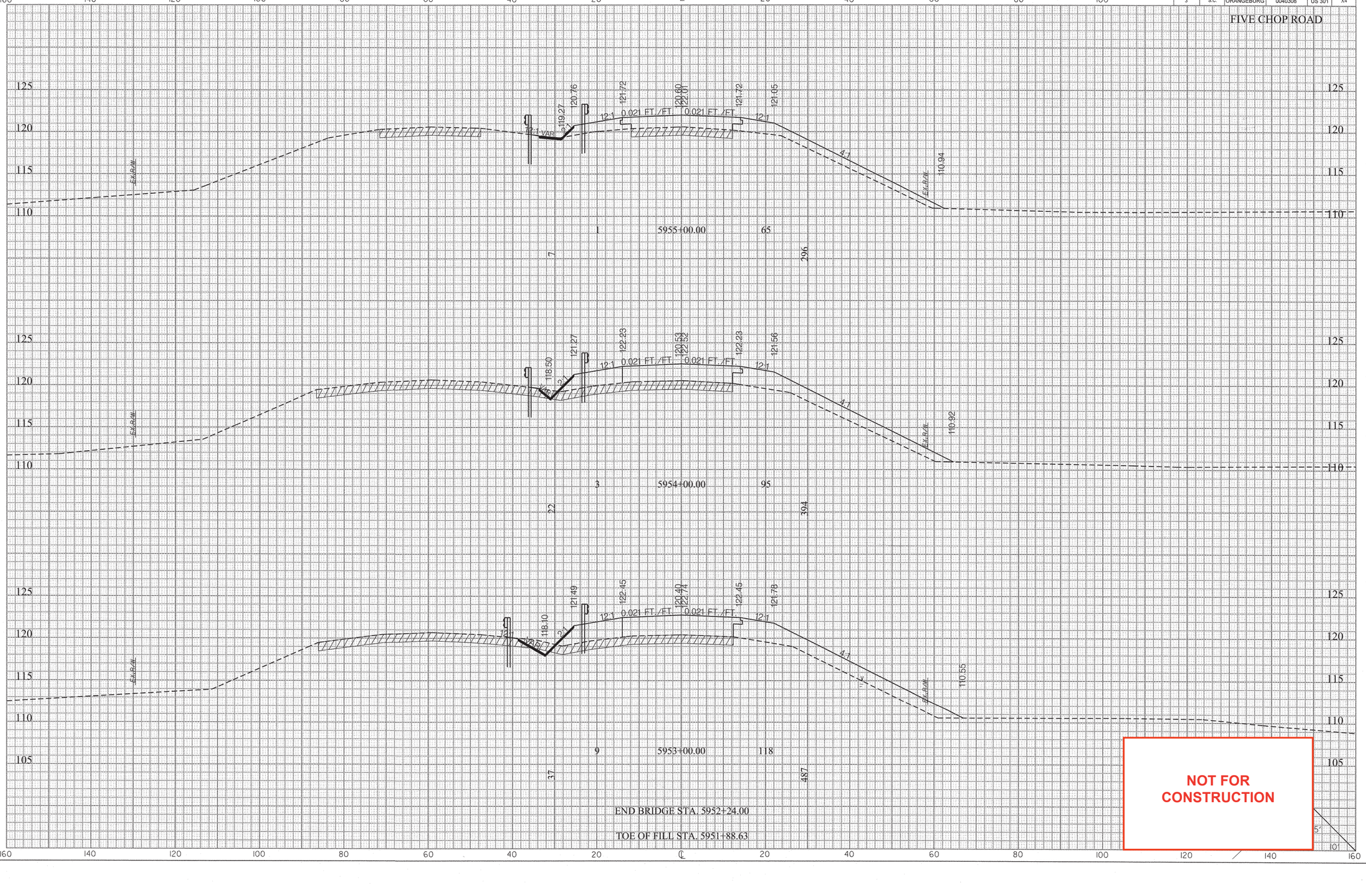
BEGIN BRIDGE STA. 5949+30.00



NOT FOR CONSTRUCTION

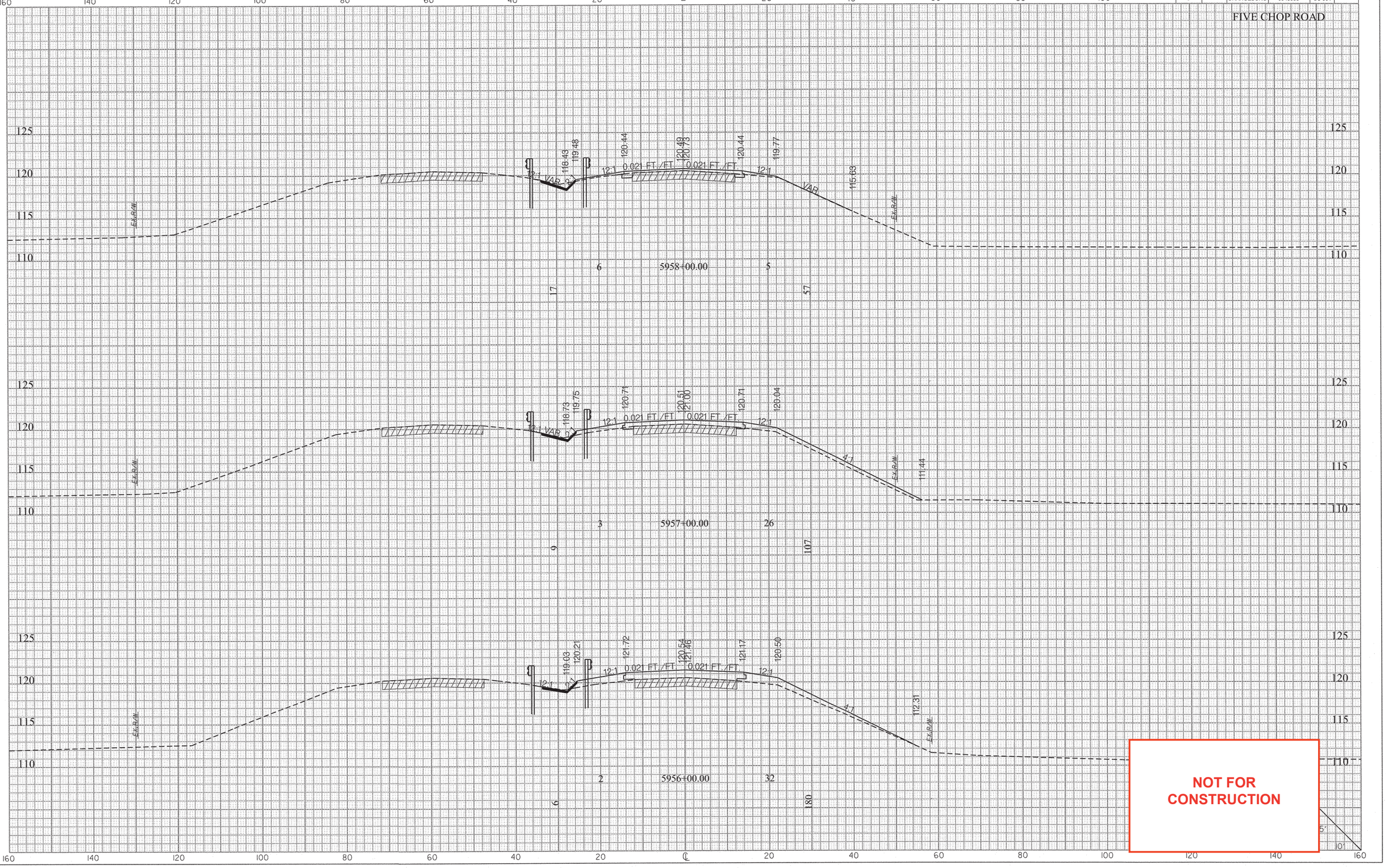
FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
3	S.C.	ORANGEBURG	0040308	US 301	X4

FIVE CHOP ROAD



FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
3	S.C.	ORANGEBURG	0040308	US 301	X5

FIVE CHOP ROAD

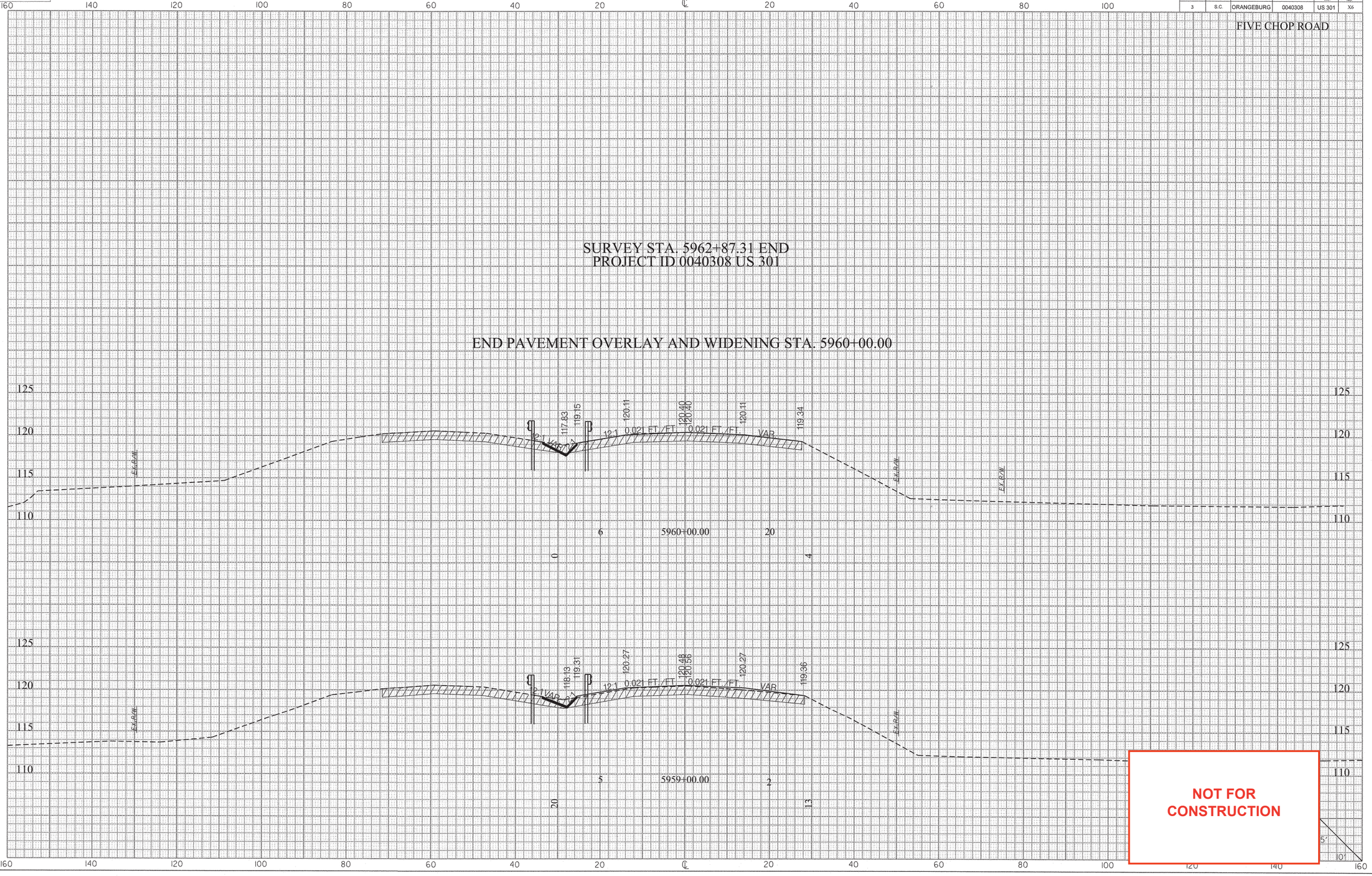


FED. RD. DIV. NO.	STATE	COUNTY	PROJECT ID	ROUTE NO.	SHEET NO.
3	S.C.	ORANGEBURG	0040308	US 301	X6

FIVE CHOP ROAD

SURVEY STA. 5962+87.31 END
PROJECT ID 0040308 US 301

END PAVEMENT OVERLAY AND WIDENING STA. 5960+00.00



NOT FOR CONSTRUCTION