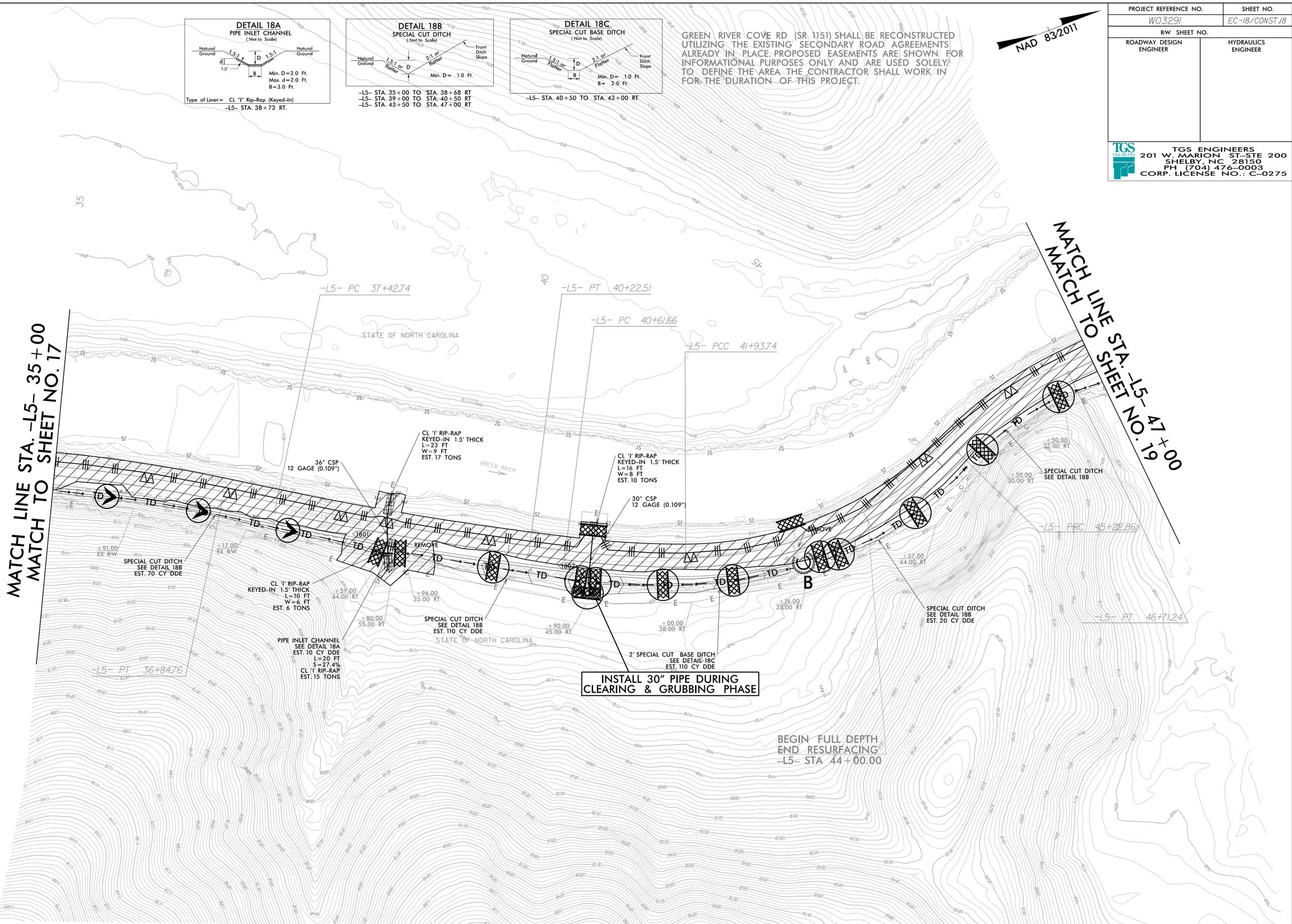
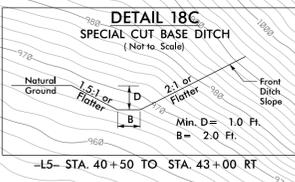
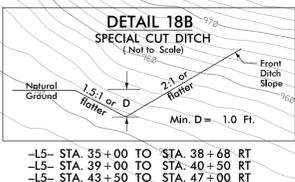
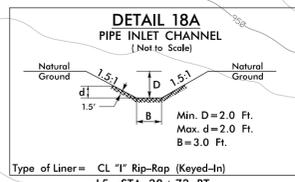


PROJECT REFERENCE NO. W03291	SHEET NO. EC-18/CONST.18
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
 TGS ENGINEERS 201 W. MARION ST-STE 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	



GREEN RIVER COVE RD (SR 1151) SHALL BE RECONSTRUCTED UTILIZING THE EXISTING SECONDARY ROAD AGREEMENTS ALREADY IN PLACE. PROPOSED EASEMENTS ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE USED SOLELY TO DEFINE THE AREA THE CONTRACTOR SHALL WORK IN FOR THE DURATION OF THIS PROJECT.



 ENVIRONMENTALLY SENSITIVE AREA SEE PROJECT SPECIAL PROVISIONS

PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 18

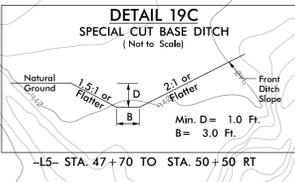
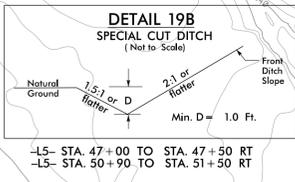
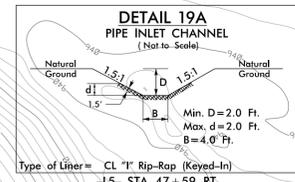
INSTALL PIPE(S) IN JURISDICTIONAL AREAS WITHOUT IMPACTING STREAM UNTIL AREA STABILIZED AND ACCORDING TO NCDOT BEST MANAGEMENT PRACTICES FOR CONSTRUCTION AND MAINTENANCE ACTIVITIES MANUAL.

BEGIN FULL DEPTH END RESURFACING
-L5- STA 44+00.00

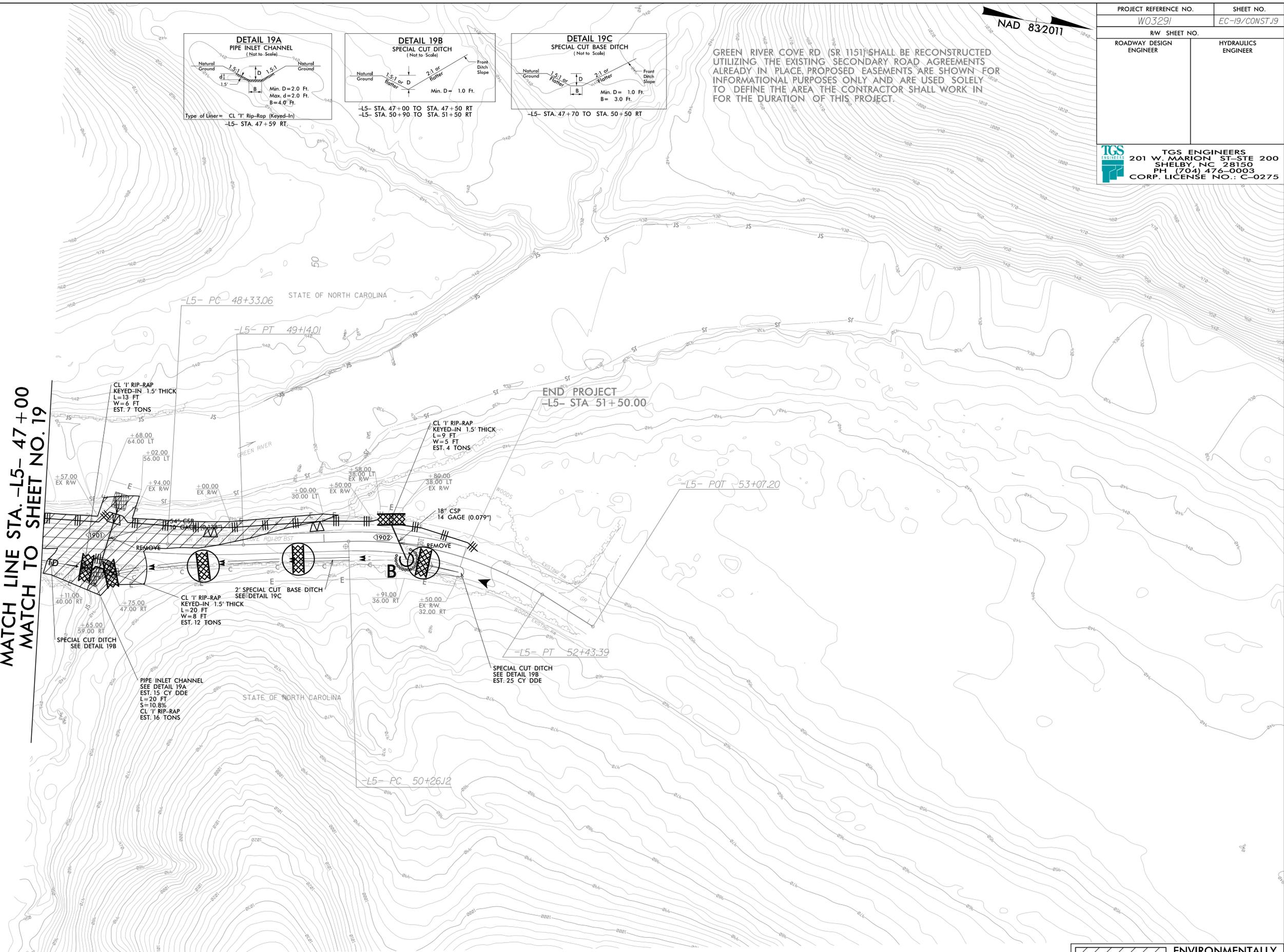
PROJECT REFERENCE NO. W03291	SHEET NO. EC-19/CONST.19
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
 TGS ENGINEERS 201 W. MARION ST. STE 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	

NAD 83/2011

GREEN RIVER COVE RD (SR 1151) SHALL BE RECONSTRUCTED UTILIZING THE EXISTING SECONDARY ROAD AGREEMENTS ALREADY IN PLACE. PROPOSED EASEMENTS ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE USED SOLELY TO DEFINE THE AREA THE CONTRACTOR SHALL WORK IN FOR THE DURATION OF THIS PROJECT.



MATCH LINE STA. -L5- 47+00
MATCH TO SHEET NO. 19

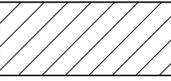


INSTALL LARGE PIPES AND CULVERTS VIA PUMP AROUND. REFER TO PUMP AROUND DETAIL ON EC-02C.

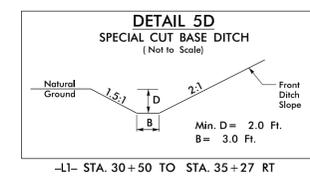
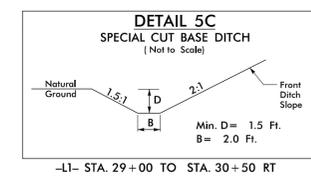
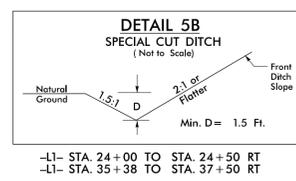
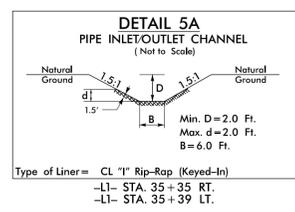
INSTALL PIPE(S) IN JURISDICTIONAL AREAS WITHOUT IMPACTING STREAM UNTIL AREA STABILIZED AND ACCORDING TO NCDOT BEST MANAGEMENT PRACTICES FOR CONSTRUCTION AND MAINTENANCE ACTIVITIES MANUAL.

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 19

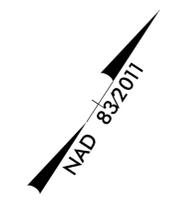
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.



ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

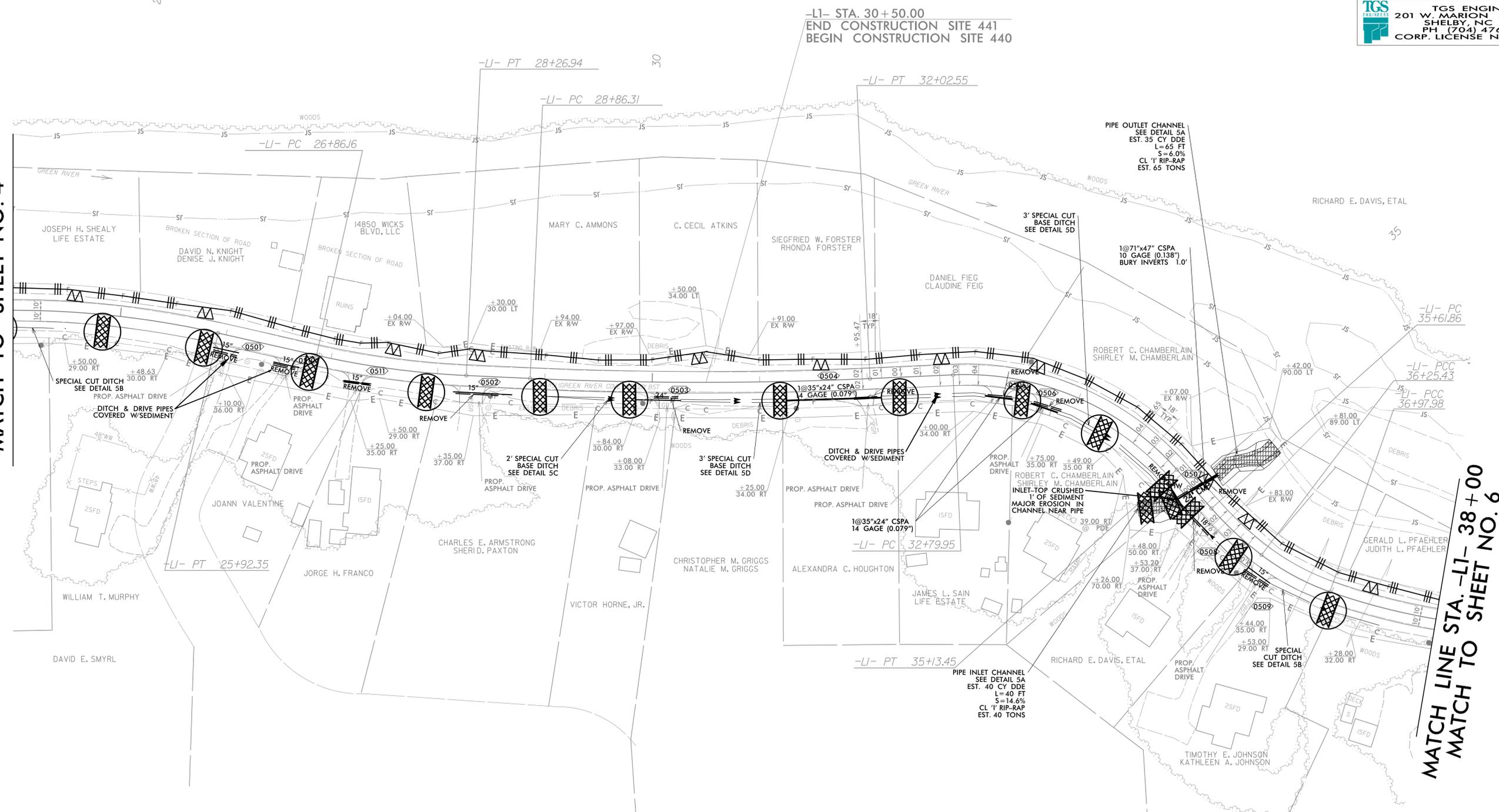


GREEN RIVER COVE RD (SR 1151) SHALL BE RECONSTRUCTED UTILIZING THE EXISTING SECONDARY ROAD AGREEMENTS ALREADY IN PLACE. PROPOSED EASEMENTS ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE USED SOLELY TO DEFINE THE AREA THE CONTRACTOR SHALL WORK IN FOR THE DURATION OF THIS PROJECT.



PROJECT REFERENCE NO. W03291	SHEET NO. EC-21/CONST.5
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
TGS ENGINEERS 201 W. MARION ST. STE 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	

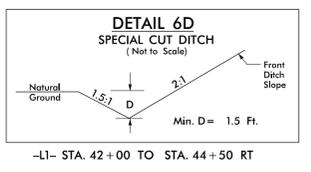
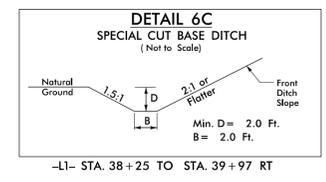
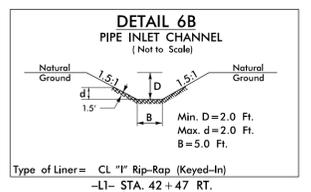
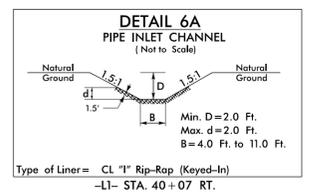
MATCH LINE STA. -LI- 24+00
MATCH TO SHEET NO. 4



MATCH LINE STA. -LI- 38+00
MATCH TO SHEET NO. 6

INSTALL LARGE PIPES AND CULVERTS VIA PUMP AROUND.
REFER TO PUMP AROUND DETAIL ON EC-02C.

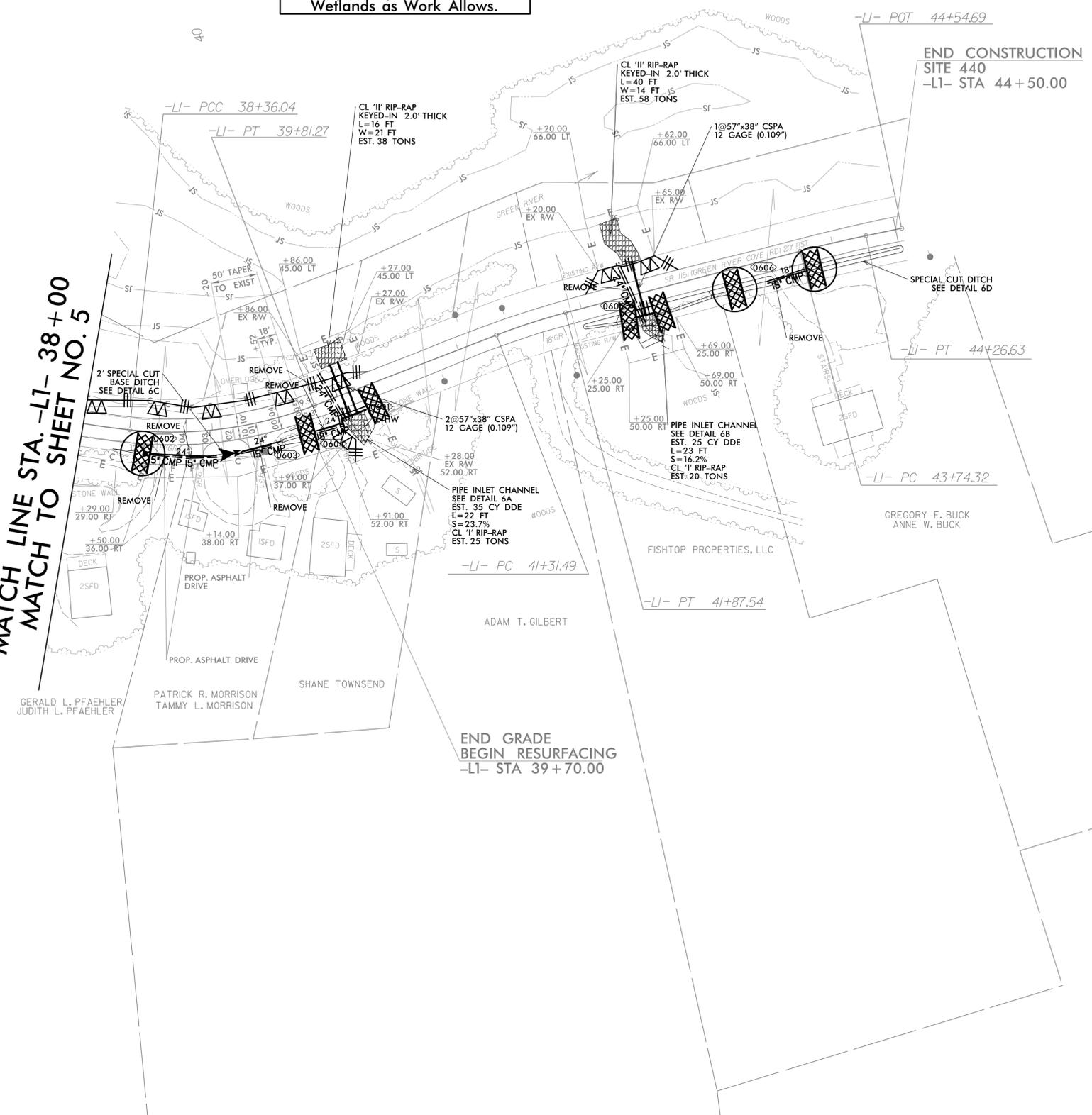
PROJECT REFERENCE NO.	SHEET NO.
W03291	EC-22/CONST.6
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
 TGS ENGINEERS 201 W. MARION ST-STE 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	



Place Matting for Erosion Control on Slopes Adjacent to Permitted Wetlands as Work Allows.

GREEN RIVER COVE RD (SR 1151) SHALL BE RECONSTRUCTED UTILIZING THE EXISTING SECONDARY ROAD AGREEMENTS ALREADY IN PLACE. PROPOSED EASEMENTS ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE USED SOLELY TO DEFINE THE AREA THE CONTRACTOR SHALL WORK IN FOR THE DURATION OF THIS PROJECT.

**MATCH LINE STA. -LI- 38+00
MATCH TO SHEET NO. 5**

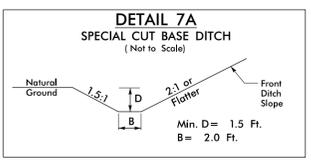


INSTALL LARGE PIPES AND CULVERTS VIA PUMP AROUND. REFER TO PUMP AROUND DETAIL ON EC-02C.

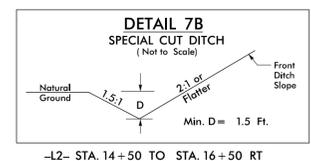
PROJECT REFERENCE NO.	SHEET NO.
W03291	EC-23/CONST.7
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

TGS ENGINEERS
 201 W. MARION ST-STE 200
 SHELBY, NC 28150
 PH (704) 476-0003
 CORP. LICENSE NO.: C-0275

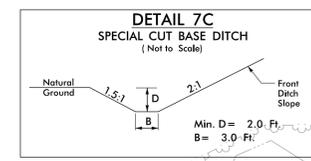
GREEN RIVER COVE RD (SR 1151) SHALL BE RECONSTRUCTED UTILIZING THE EXISTING SECONDARY ROAD AGREEMENTS ALREADY IN PLACE. PROPOSED EASEMENTS ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE USED SOLELY TO DEFINE THE AREA THE CONTRACTOR SHALL WORK IN FOR THE DURATION OF THIS PROJECT.



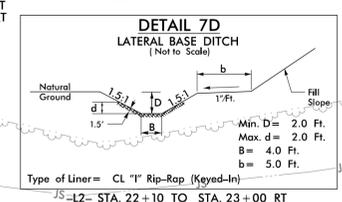
-L2- STA. 11+00 TO STA. 13+75 RT
 -L2- STA. 16+50 TO STA. 19+00 RT



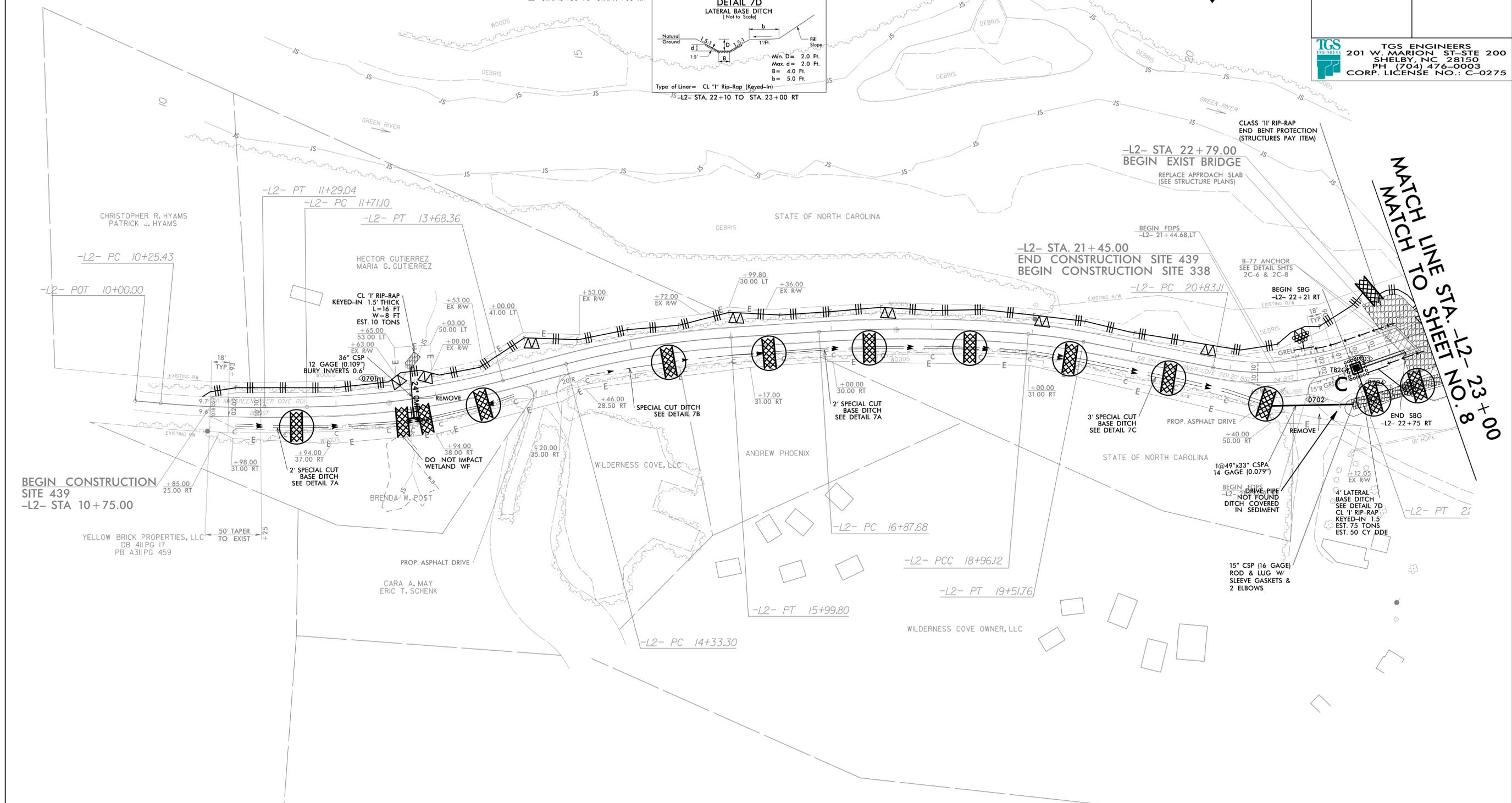
-L2- STA. 14+50 TO STA. 16+50 RT



-L2- STA. 19+00 TO STA. 21+41 RT



Type of Liner = CL "I" Rip-Rap (Keyed-In)
 -L2- STA. 22+10 TO STA. 23+00 RT



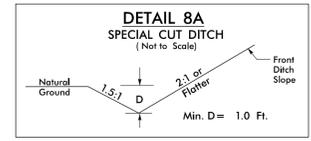
MATCH LINE TO SHEET NO. 8
 -L2- 23+00

INSTALL MATTING FOR EROSION CONTROL ON ALL GRADED DITCHES AND GRADED SLOPES THAT DO NOT ALREADY CALL FOR OTHER MEANS OF PERMANENT OR TEMPORARY STABILIZATION

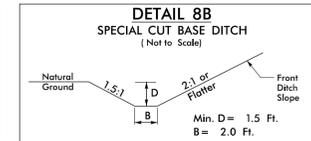
IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C, UTILIZE FABRIC INSERT INLET PROTECTION IN AREAS WHERE WATER MAY POND ON ROAD OPEN TO LIVE TRAFFIC.

Bl = N 32° 21' 13.4" E

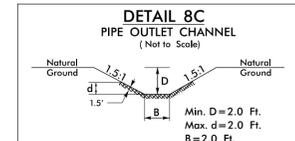
INSTALL MATTING FOR EROSION CONTROL ON ALL GRADED DITCHES AND GRADED SLOPES THAT DO NOT ALREADY CALL FOR OTHER MEANS OF PERMANENT OR TEMPORARY STABILIZATION



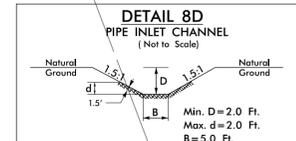
-L2- STA. 25+00 TO STA. 26+25 LT
-L2- STA. 27+00 TO STA. 29+00 LT
-L2- STA. 29+50 TO STA. 33+38 RT
-L2- STA. 34+00 TO STA. 37+00 RT



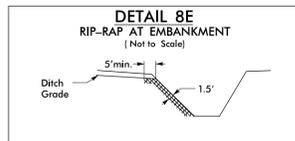
-L2- STA. 29+00 TO STA. 33+11 LT
-L2- STA. 35+00 TO STA. 36+85 LT



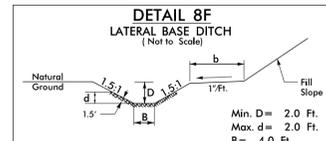
Type of Liner = CL '1' Rip-Rap (Keyed-In)
-L2- STA. 33+38 RT



Type of Liner = CL '1' Rip-Rap (Keyed-In)
-L2- STA. 36+90 LT



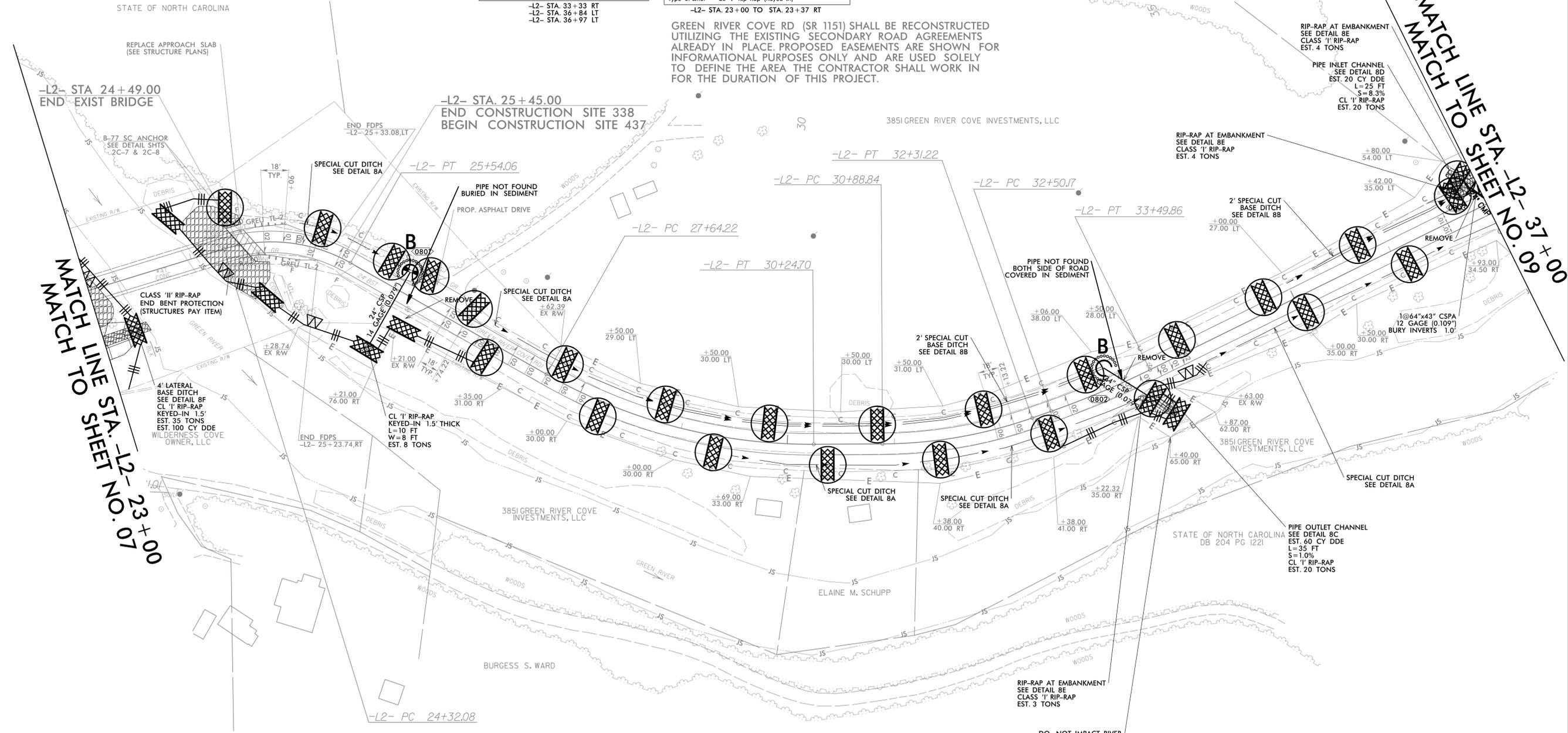
Type of Liner = CL '1' Rip-Rap (Keyed-In)
-L2- STA. 33+33 RT
-L2- STA. 36+84 LT
-L2- STA. 36+97 LT



Type of Liner = CL '1' Rip-Rap (Keyed-In)
-L2- STA. 23+00 TO STA. 23+37 RT

GREEN RIVER COVE RD (SR 1151) SHALL BE RECONSTRUCTED UTILIZING THE EXISTING SECONDARY ROAD AGREEMENTS ALREADY IN PLACE. PROPOSED EASEMENTS ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE USED SOLELY TO DEFINE THE AREA THE CONTRACTOR SHALL WORK IN FOR THE DURATION OF THIS PROJECT.

PROJECT REFERENCE NO. W03291	SHEET NO. EC-24/CONST.B
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
TGS ENGINEERS 201 W. MARION ST-STE 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	



MATCH LINE STA. 12-23+00
MATCH LINE STA. 12-37+00

MATCH LINE STA. 12-37+00
MATCH LINE TO SHEET NO. EC-24/CONST.B

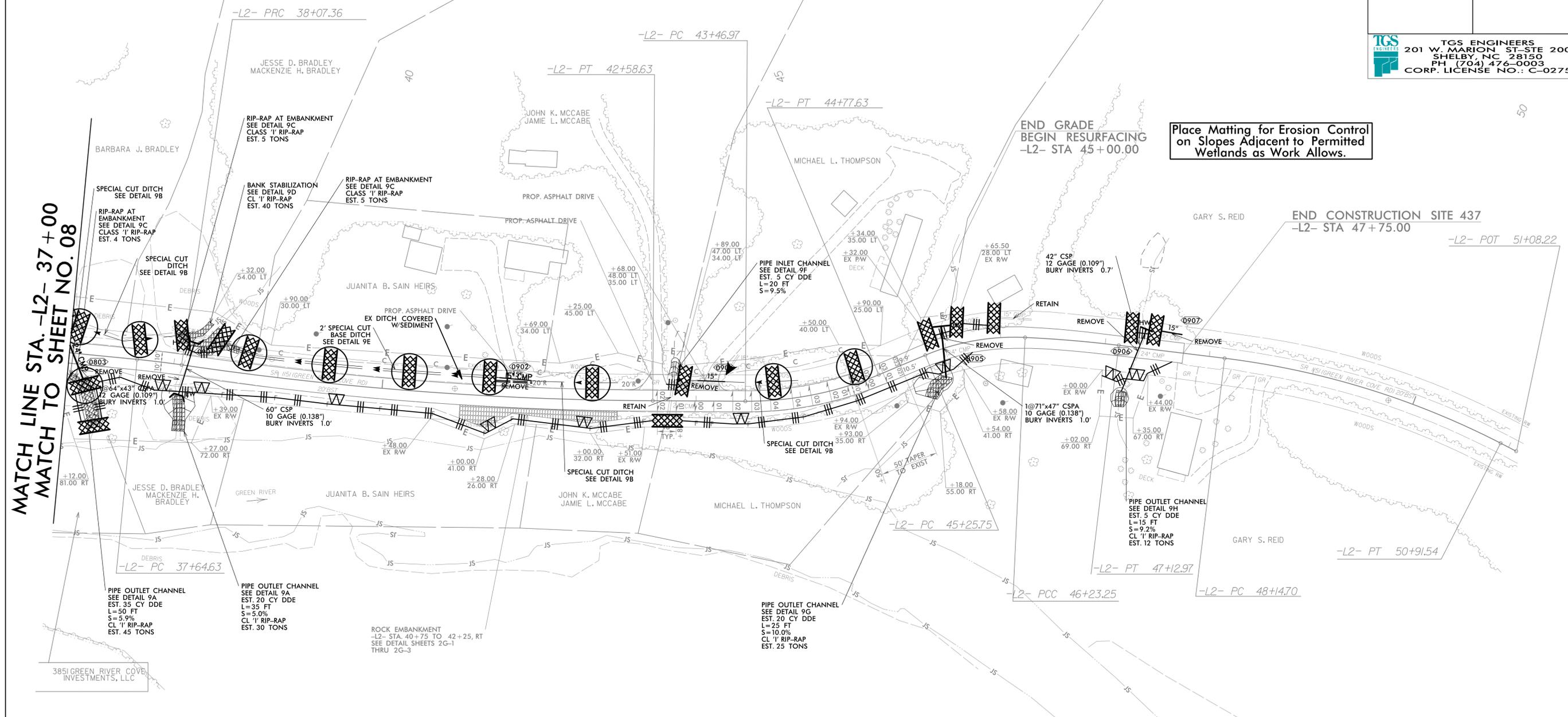
UTILIZE TEMPORARY SEDIMENT BASIN OR SPECIAL STILLING BASIN(S) AS STILLING BASIN WHERE APPLICABLE.

INSTALL LARGE PIPES AND CULVERTS VIA PUMP AROUND. REFER TO PUMP AROUND DETAIL ON EC-02C.

PROJECT REFERENCE NO. W03291	SHEET NO. EC-25/CONST.9
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
 TGS ENGINEERS 201 W. MARION ST. STE 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	

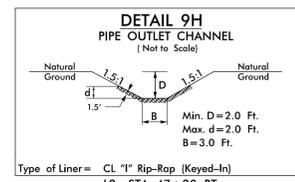
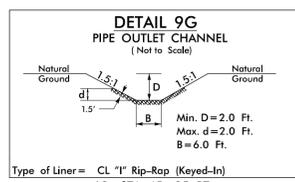
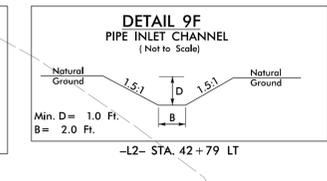
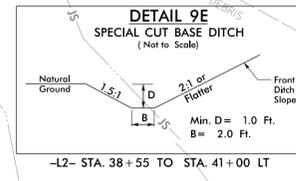
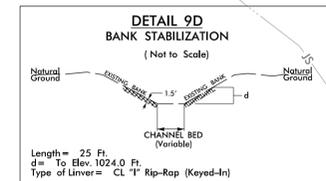
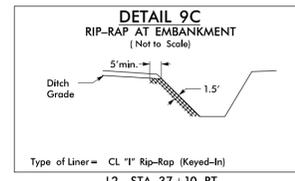
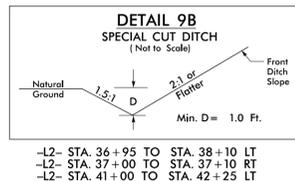
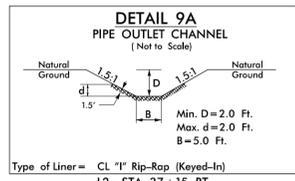


GREEN RIVER COVE RD (SR 1151) SHALL BE RECONSTRUCTED UTILIZING THE EXISTING SECONDARY ROAD AGREEMENTS ALREADY IN PLACE. PROPOSED EASEMENTS ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE USED SOLELY TO DEFINE THE AREA THE CONTRACTOR SHALL WORK IN FOR THE DURATION OF THIS PROJECT.



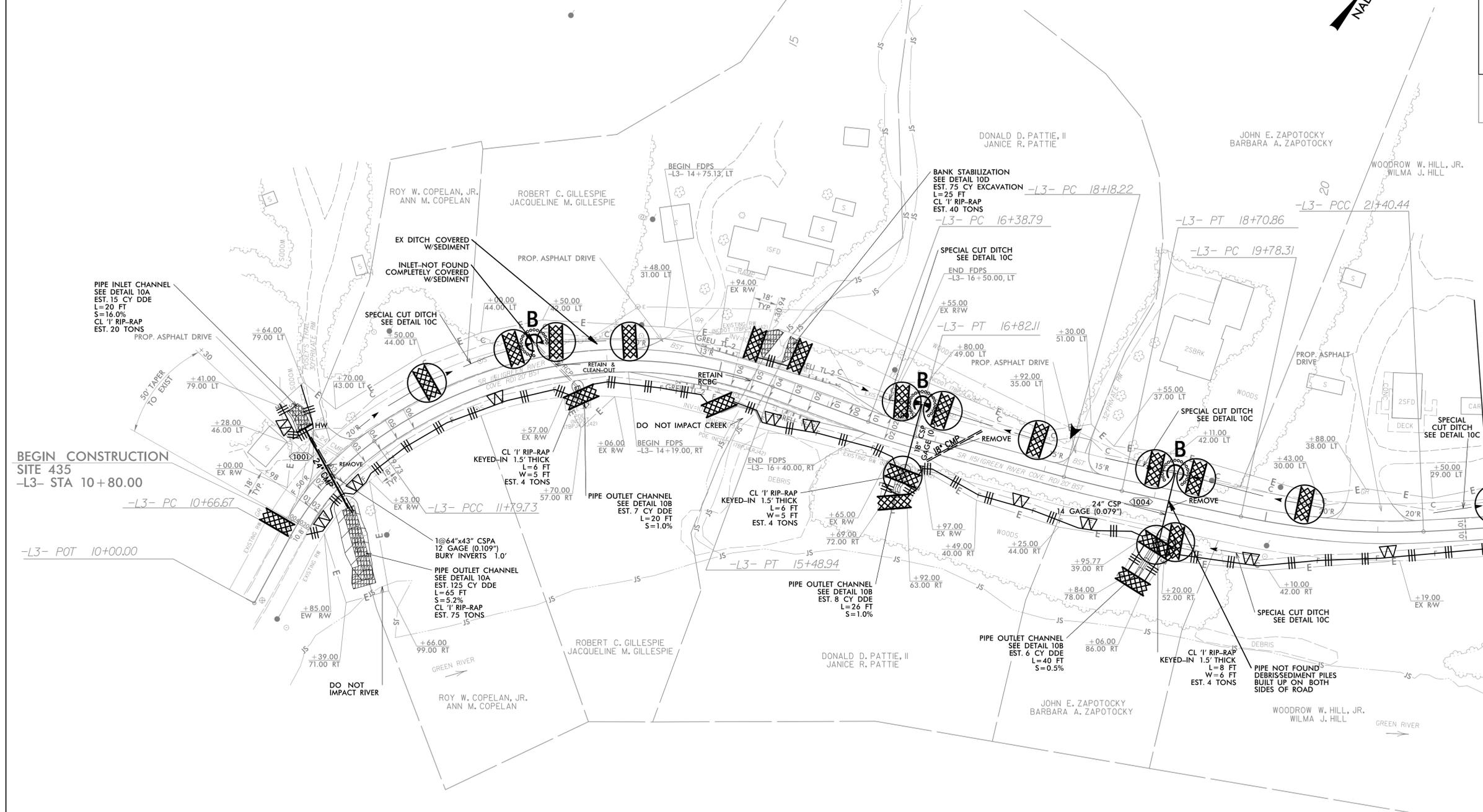
MATCH LINE STA. -L2- 37+00
MATCH TO SHEET NO. 08

INSTALL LARGE PIPES AND CULVERTS VIA PUMP AROUND. REFER TO PUMP AROUND DETAIL ON EC-02C.



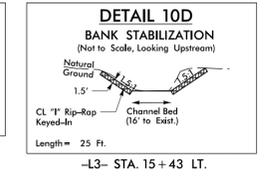
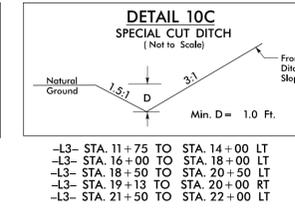
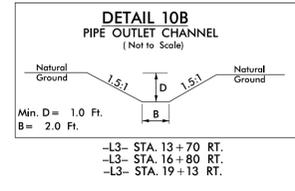
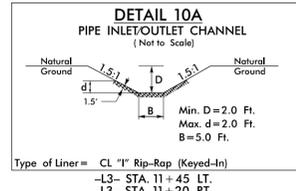
GREEN RIVER COVE RD (SR 1151) SHALL BE RECONSTRUCTED UTILIZING THE EXISTING SECONDARY ROAD AGREEMENTS ALREADY IN PLACE. PROPOSED EASEMENTS ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE USED SOLELY TO DEFINE THE AREA THE CONTRACTOR SHALL WORK IN FOR THE DURATION OF THIS PROJECT.

PROJECT REFERENCE NO. W03291		SHEET NO. EC-26/CONST.10	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
 TGS ENGINEERS 201 W. MARION ST-STE 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275			



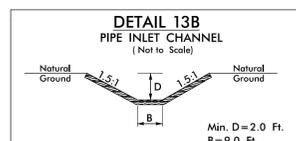
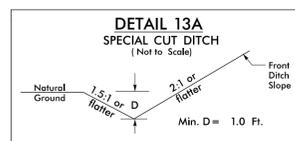
MATCH LINE STA. -L3- 22+00
MATCH TO SHEET NO. 11

BEGIN CONSTRUCTION
SITE 435
-L3- STA 10+80.00



INSTALL LARGE PIPES AND CULVERTS VIA PUMP AROUND. REFER TO PUMP AROUND DETAIL ON EC-02C.

PROJECT REFERENCE NO. W03291		SHEET NO. EC-29/CONST.13	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
 TGS ENGINEERS 201 W. MARION ST-STE 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275			

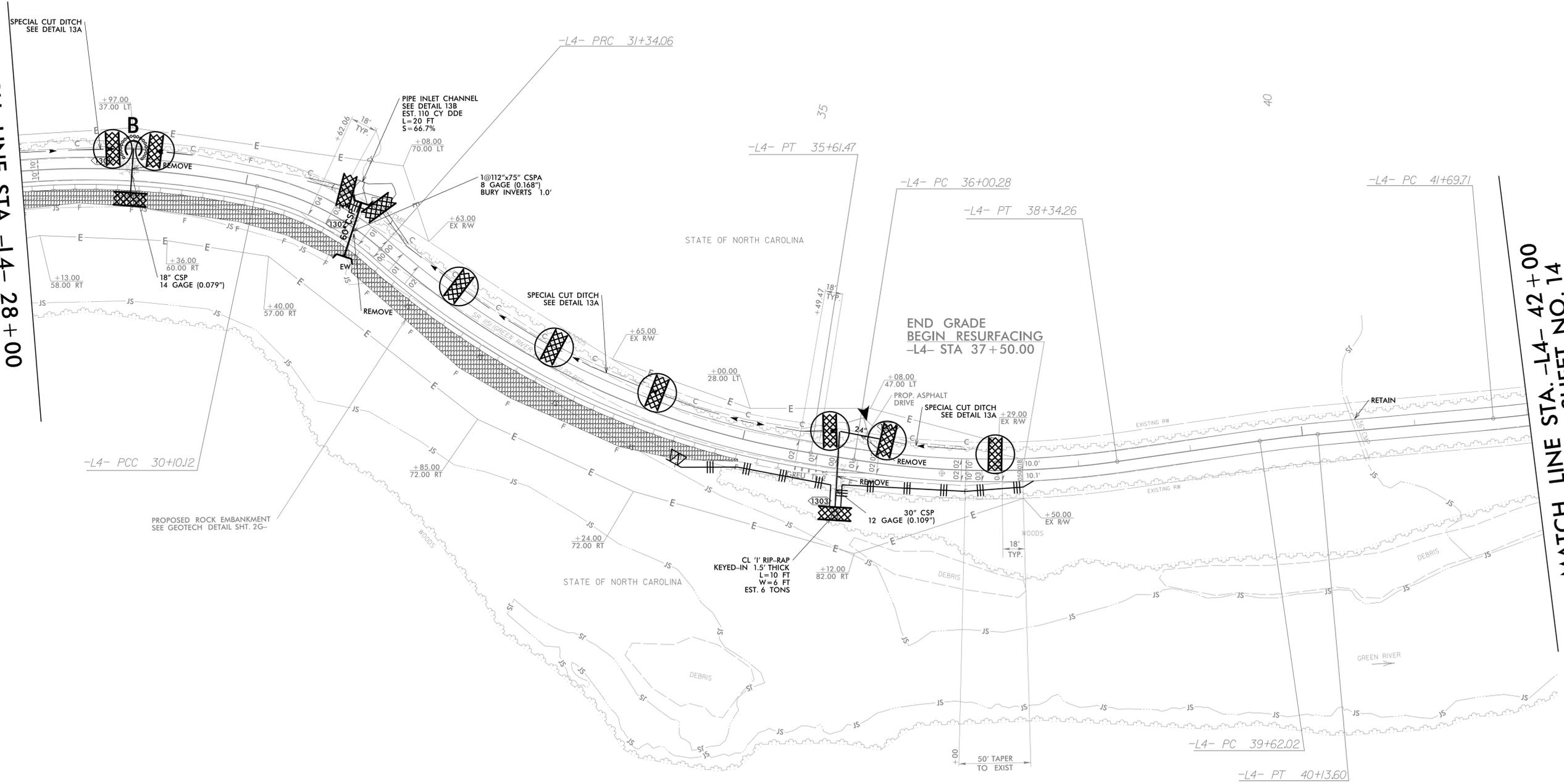


-L4- STA. 28+00 TO STA. 29+50 LT
-L4- STA. 30+50 TO STA. 37+00 LT

Type of Liner = Natural Rock
-L4- STA. 31+04 LT.

GREEN RIVER COVE RD (SR 1151) SHALL BE RECONSTRUCTED UTILIZING THE EXISTING SECONDARY ROAD AGREEMENTS ALREADY IN PLACE. PROPOSED EASEMENTS ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE USED SOLELY TO DEFINE THE AREA THE CONTRACTOR SHALL WORK IN FOR THE DURATION OF THIS PROJECT.

MATCH LINE STA. -L4- 28+00
MATCH TO SHEET NO. 12



MATCH LINE STA. -L4- 42+00
MATCH TO SHEET NO. 14

INSTALL LARGE PIPES AND CULVERTS VIA PUMP AROUND. REFER TO PUMP AROUND DETAIL ON EC-02C.

STONE CAUSEWAY TO BE BUILT USING CLEAN STONE

INSTALL IMPERVIOUS DIKE AT ENTRY AND EXIT POINTS OF STONE CAUSEWAY AS NEEDED AT ENGINEER'S DISCRETION

INSTALL TEMPORARY EARTH BERM AND APPROPRIATE EROSION CONTROL OUTLET DEVICE AT EDGE OF CAUSEWAY IF SEDIMENT IS LIKELY TO ENTER STREAM

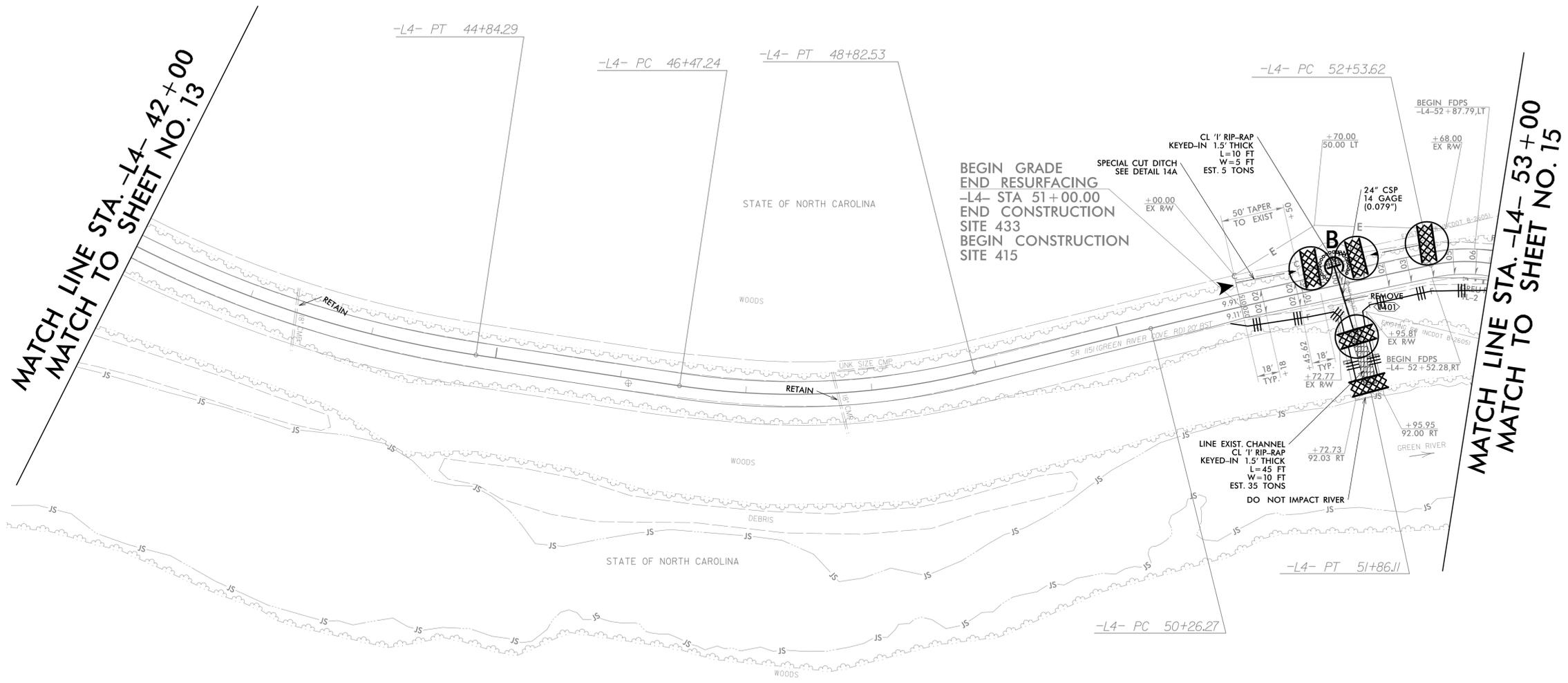
PROJECT REFERENCE NO.		SHEET NO.	
W03291		EC-30/CONST.14	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	



GREEN RIVER COVE RD (SR 1151) SHALL BE RECONSTRUCTED UTILIZING THE EXISTING SECONDARY ROAD AGREEMENTS ALREADY IN PLACE. PROPOSED EASEMENTS ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE USED SOLELY TO DEFINE THE AREA THE CONTRACTOR SHALL WORK IN FOR THE DURATION OF THIS PROJECT.



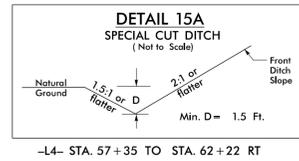
-L4- STA. 51+00 TO STA. 52+50 LT



MATCH LINE STA. -L4- 42+00
MATCH TO SHEET NO. 13

MATCH LINE STA. -L4- 53+00
MATCH TO SHEET NO. 15

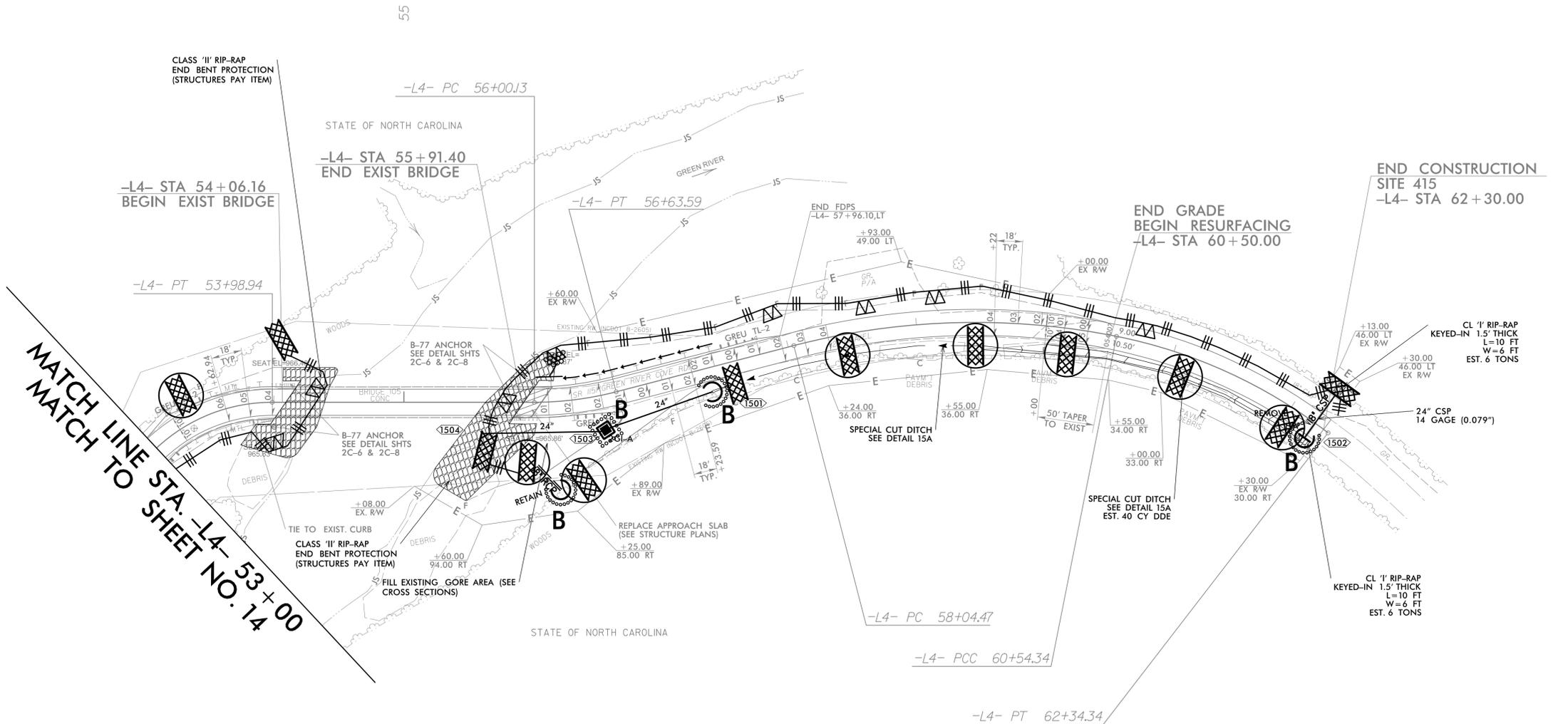
TGS ENGINEERS
201 W. MARION ST-STE 200
SHELBY, NC 28150
PH (704) 476-0003
CORP. LICENSE NO.: C-0275



GREEN RIVER COVE RD (SR 1151) SHALL BE RECONSTRUCTED UTILIZING THE EXISTING SECONDARY ROAD AGREEMENTS ALREADY IN PLACE. PROPOSED EASEMENTS ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE USED SOLELY TO DEFINE THE AREA THE CONTRACTOR SHALL WORK IN FOR THE DURATION OF THIS PROJECT.



PROJECT REFERENCE NO.		SHEET NO.	
W03291		EC-31/CONST15	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
TGS ENGINEERS 201 W. MARION ST-STE 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275			



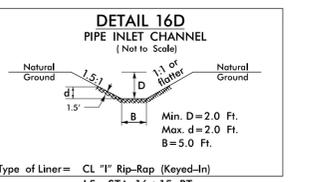
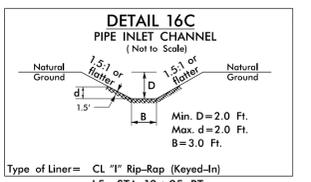
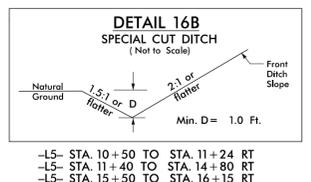
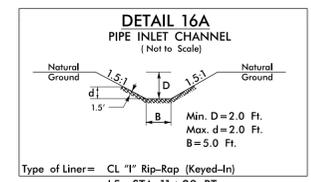
MATCH LINE STA. -L4- 53+00
MATCH TO SHET NO. 14

UTILIZE TEMPORARY SEDIMENT BASIN OR SPECIAL STILLING BASIN(S) AS STILLING BASIN WHERE APPLICABLE.

PROJECT REFERENCE NO.	SHEET NO.
W03291	EC-32/CONST.16
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



TGS ENGINEERS
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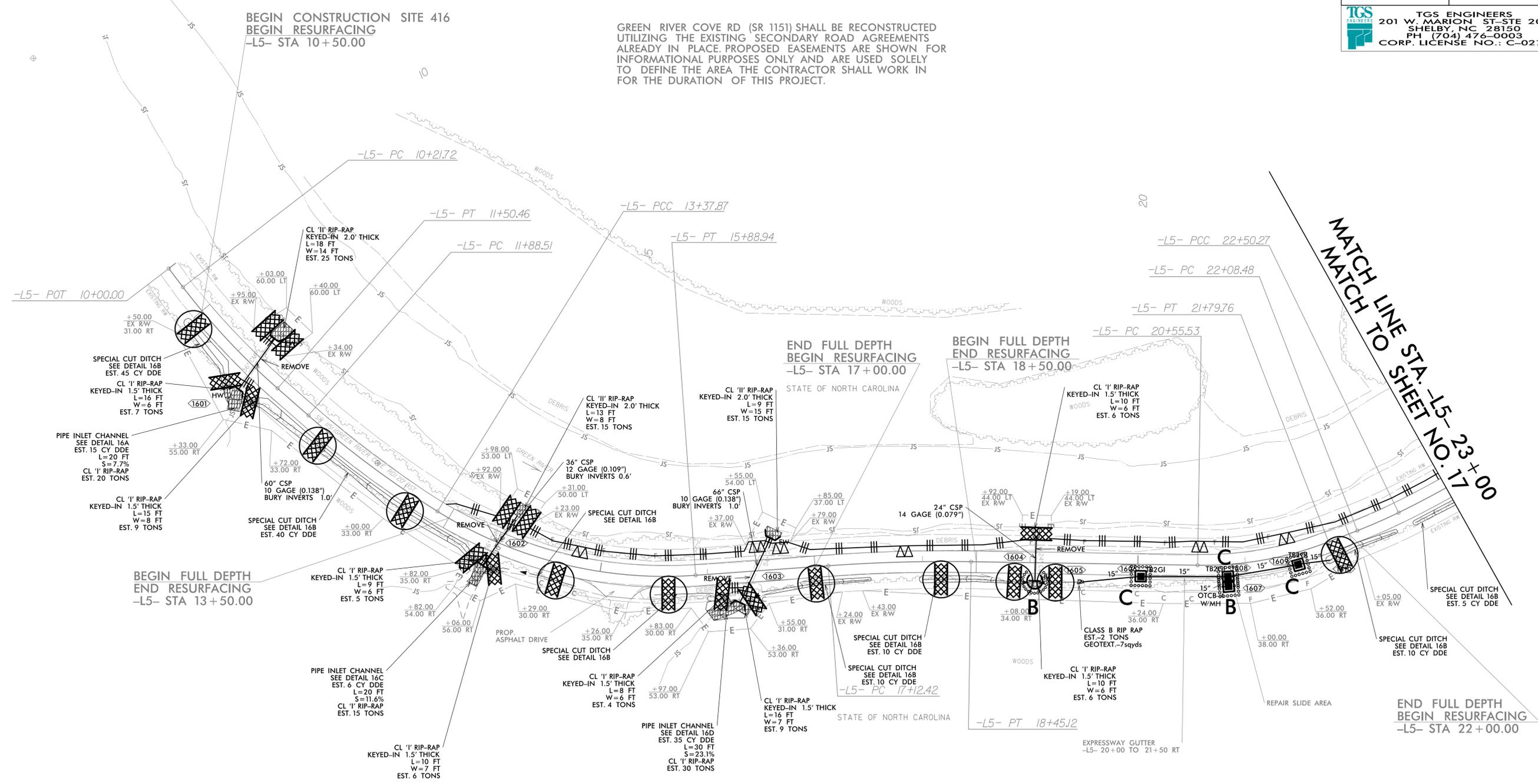


Type of Liner= CL '1' Rip-Rap (Keyed-In)
 -L5- STA. 11+28 RT.

-L5- STA. 10+50 TO STA. 11+24 RT
 -L5- STA. 11+40 TO STA. 14+80 RT
 -L5- STA. 15+50 TO STA. 16+15 RT
 -L5- STA. 16+40 TO STA. 17+50 RT
 -L5- STA. 18+00 TO STA. 19+50 RT
 -L5- STA. 21+75 TO STA. 22+40 RT
 -L5- STA. 22+60 TO STA. 23+00 RT

Type of Liner= CL '1' Rip-Rap (Keyed-In)
 -L5- STA. 13+95 RT.

Type of Liner= CL '1' Rip-Rap (Keyed-In)
 -L5- STA. 16+15 RT.



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MATCH LINE STA. -L5- 23+00
 MATCH TO SHEET NO. 17+00

Place Matting for Erosion Control on Slopes Adjacent to Permitted Wetlands as Work Allows.

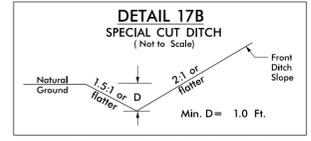
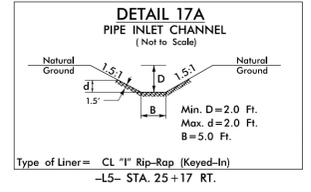
IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C, UTILIZE FABRIC INSERT INLET PROTECTION IN AREAS WHERE WATER MAY POND ON ROAD OPEN TO LIVE TRAFFIC.

INSTALL LARGE PIPES AND CULVERTS VIA PUMP AROUND. REFER TO PUMP AROUND DETAIL ON EC-02C.

INSTALL LARGE PIPES AND CULVERTS VIA PUMP AROUND.
REFER TO PUMP AROUND DETAIL ON EC-02C.

INSTALL MATTING FOR EROSION CONTROL ON ALL GRADED DITCHES AND GRADED SLOPES THAT DO NOT ALREADY CALL FOR OTHER MEANS OF PERMANENT OR TEMPORARY STABILIZATION

Place Matting for Erosion Control on Slopes Adjacent to Permitted Wetlands as Work Allows.

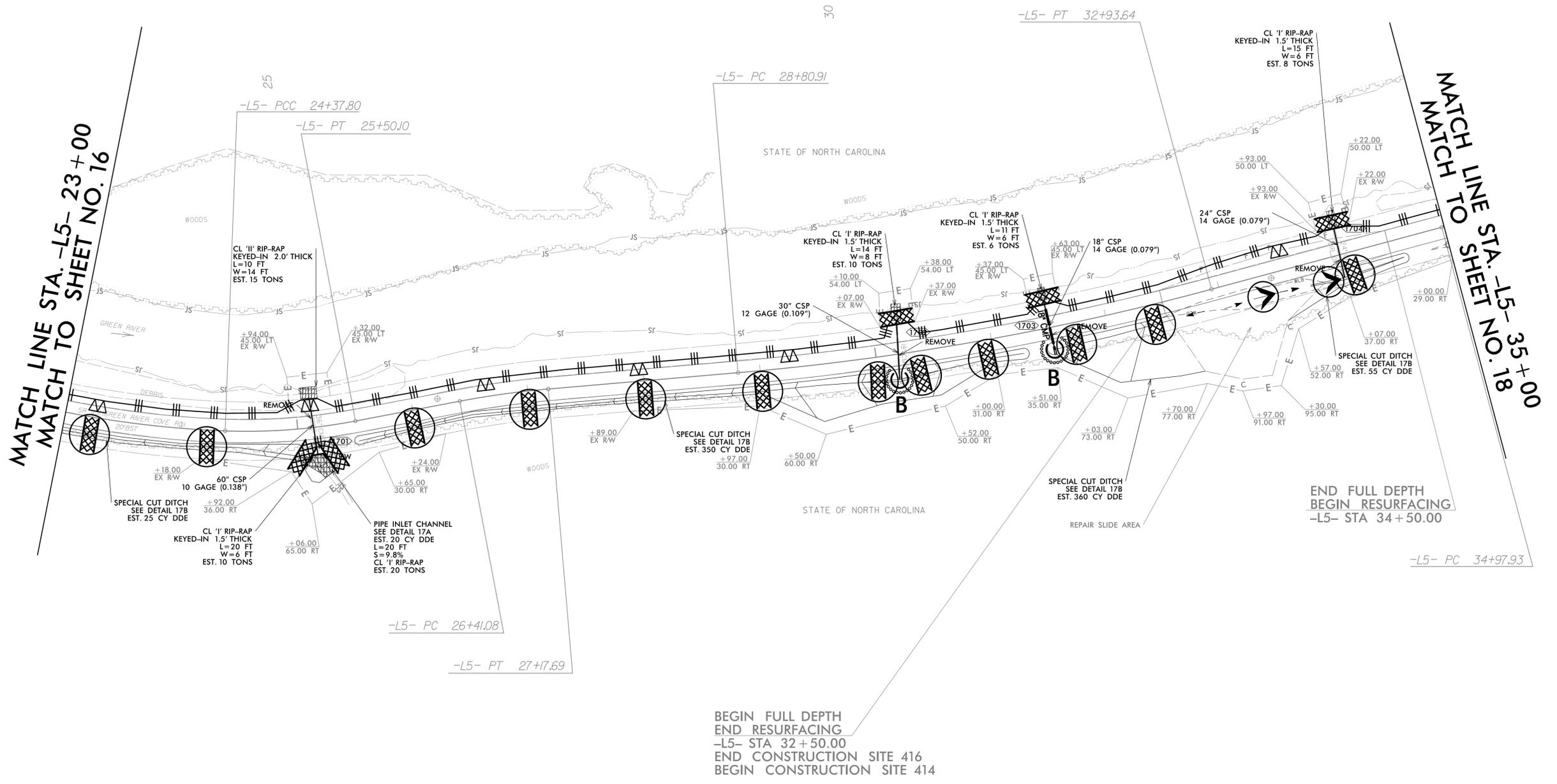


PER GEOTECH RECOMMENDATION PLACE COIR FIBER MAT AS FOLLOWS:
-L5- 29+25 TO 30+75, RT
-L5- 31+75 TO 32+50, RT
EST: 900 SY

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PROJECT REFERENCE NO. W03291	SHEET NO. EC-33/CONST.J7
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
 TGS ENGINEERS 201 W. MARION ST-STE 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	



MATCH LINE STA. -L5- 23+00
MATCH TO SHEET NO. 16

MATCH LINE STA. -L5- 35+00
MATCH TO SHEET NO. 18

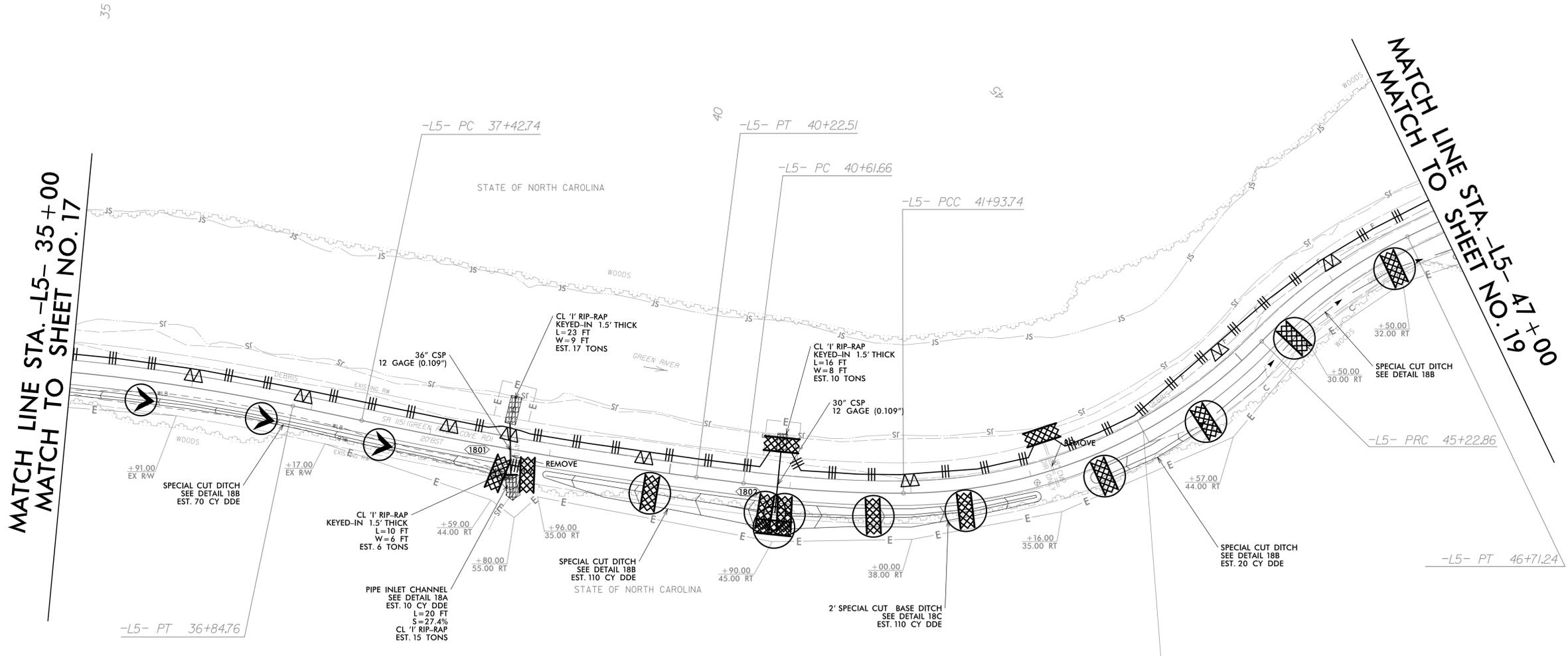
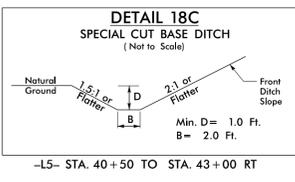
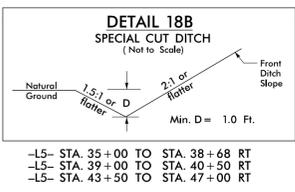
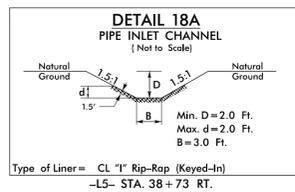
BEGIN FULL DEPTH
END RESURFACING
-L5- STA 32+50.00
END CONSTRUCTION SITE 416
BEGIN CONSTRUCTION SITE 414

END FULL DEPTH
BEGIN RESURFACING
-L5- STA 34+50.00

PROJECT REFERENCE NO.		SHEET NO.	
W03291		EC-34/CONST.18	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
 TGS ENGINEERS 201 W. MARION ST-STE 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275			



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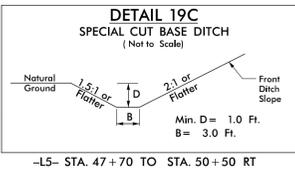
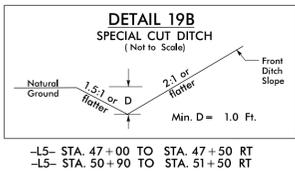
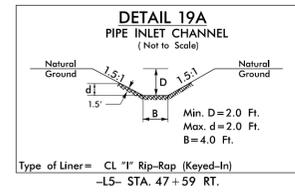
MATCH LINE STA. -L5- 35+00
MATCH TO SHEET NO. 17

MATCH LINE STA. -L5- 47+00
MATCH TO SHEET NO. 19

Place Matting for Erosion Control on Slopes Adjacent to Permitted Wetlands as Work Allows.

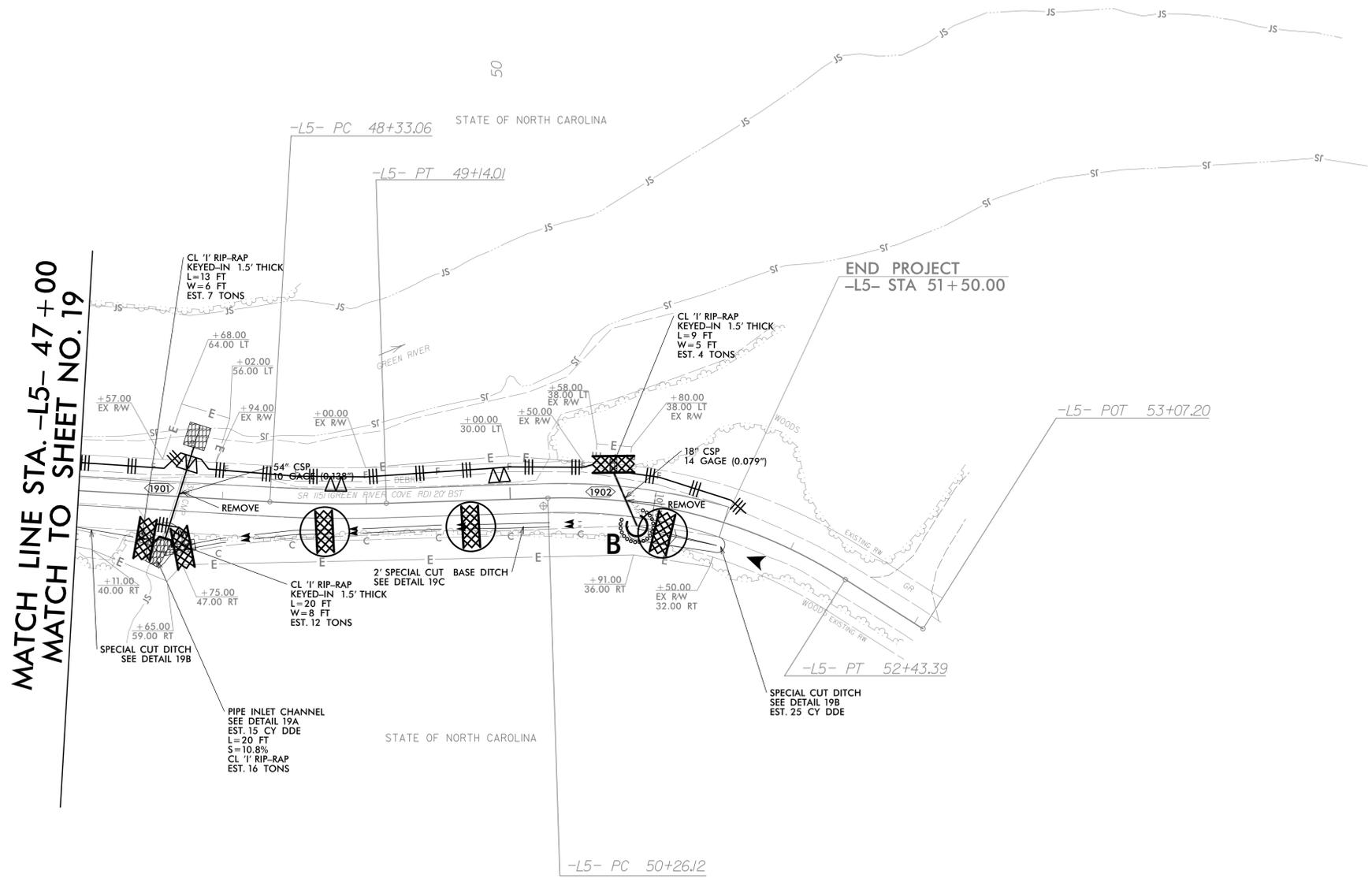
BEGIN FULL DEPTH END RESURFACING
-L5- STA 44+00.00

PROJECT REFERENCE NO.	SHEET NO.
W03291	EC-35/CONST.19
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
 TGS ENGINEERS 201 W. MARION ST-STE 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	



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MATCH LINE STA. -L5- 47+00
MATCH TO SHEET NO. 19



INSTALL LARGE PIPES AND CULVERTS VIA PUMP AROUND.
REFER TO PUMP AROUND DETAIL ON EC-02C.