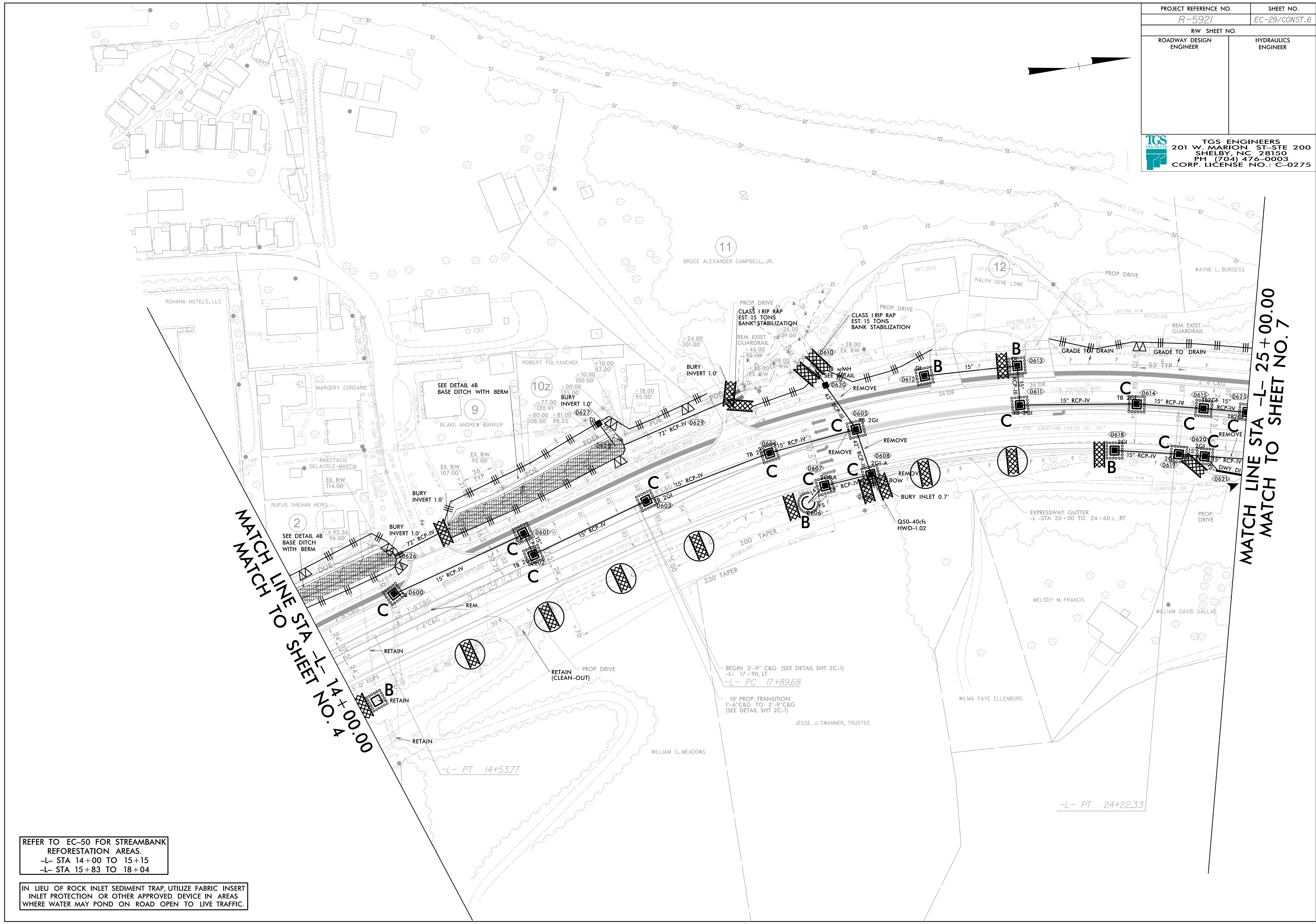


PROJECT REFERENCE NO. <i>R-5921</i>	SHEET NO. <i>EC-29/CONST.6</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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



MATCH LINE STA -L- 14+00.00
 MATCH TO SHEET NO. 4

MATCH LINE STA -L- 25+00.00
 MATCH TO SHEET NO. 7

REFER TO EC-50 FOR STREAMBANK REFORESTATION AREAS.
 -L- STA 14+00 TO 15+15
 -L- STA 15+83 TO 18+04

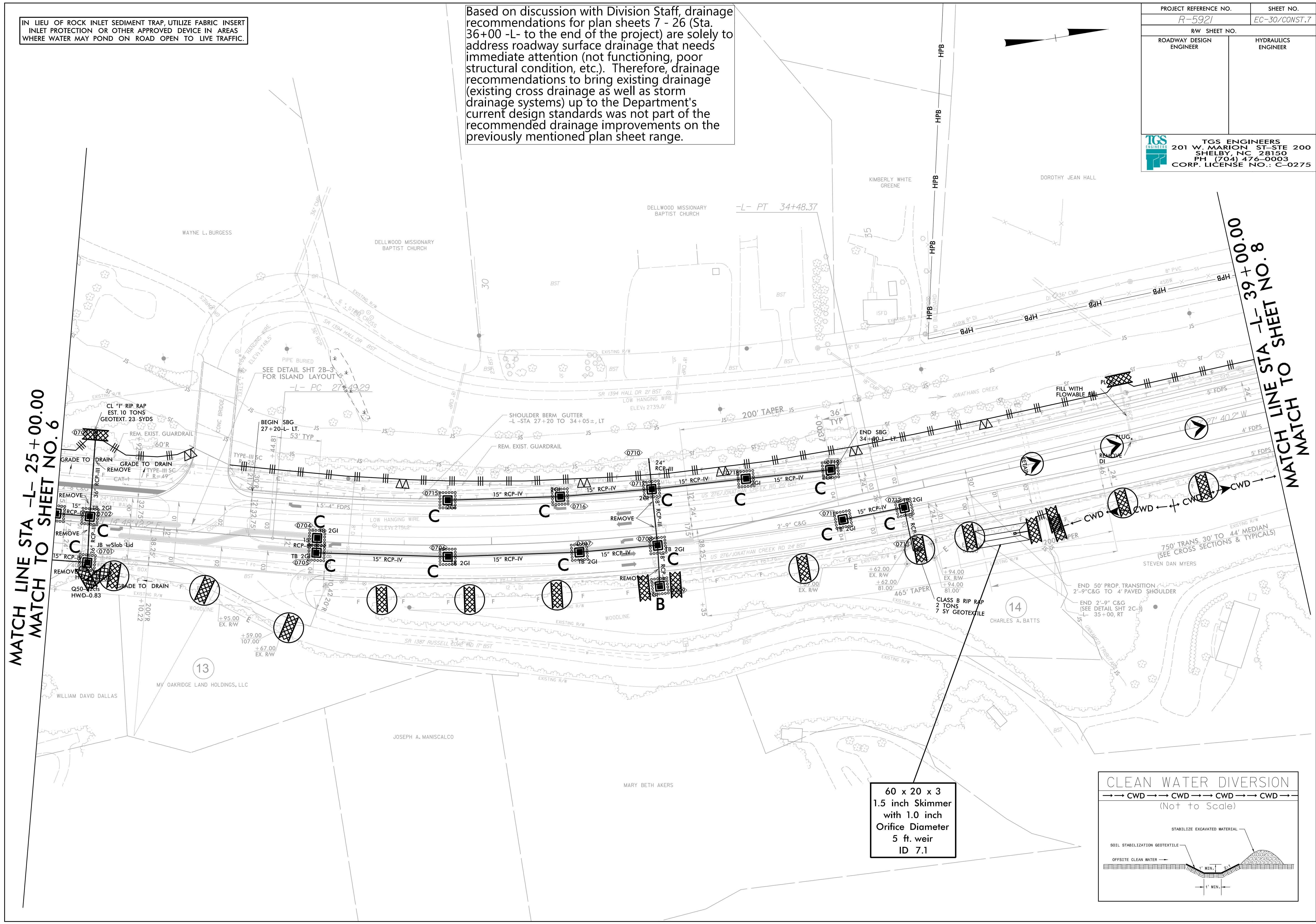
IN LIEU OF ROCK INLET SEDIMENT TRAP, UTILIZE FABRIC INSERT INLET PROTECTION OR OTHER APPROVED DEVICE IN AREAS WHERE WATER MAY POND ON ROAD OPEN TO LIVE TRAFFIC.

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

Based on discussion with Division Staff, drainage recommendations for plan sheets 7 - 26 (Sta. 36+00 -L- to the end of the project) are solely to address roadway surface drainage that needs immediate attention (not functioning, poor structural condition, etc.). Therefore, drainage recommendations to bring existing drainage (existing cross drainage as well as storm drainage systems) up to the Department's current design standards was not part of the recommended drainage improvements on the previously mentioned plan sheet range.

PROJECT REFERENCE NO. <i>R-5921</i>	SHEET NO. <i>EC-30/CONST.7</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

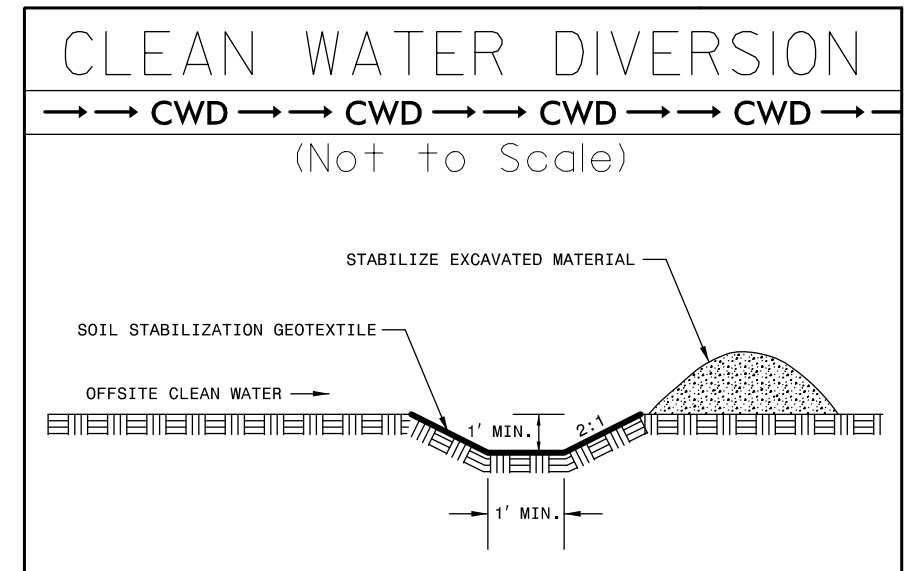
TGS ENGINEERS
201 W. MARION ST-STE 200
SHELBY, NC 28150
PH (704) 476-0003
CORP. LICENSE NO.: C-0275



MATCH LINE STA -L- 25+00.00
MATCH TO SHEET NO. 6

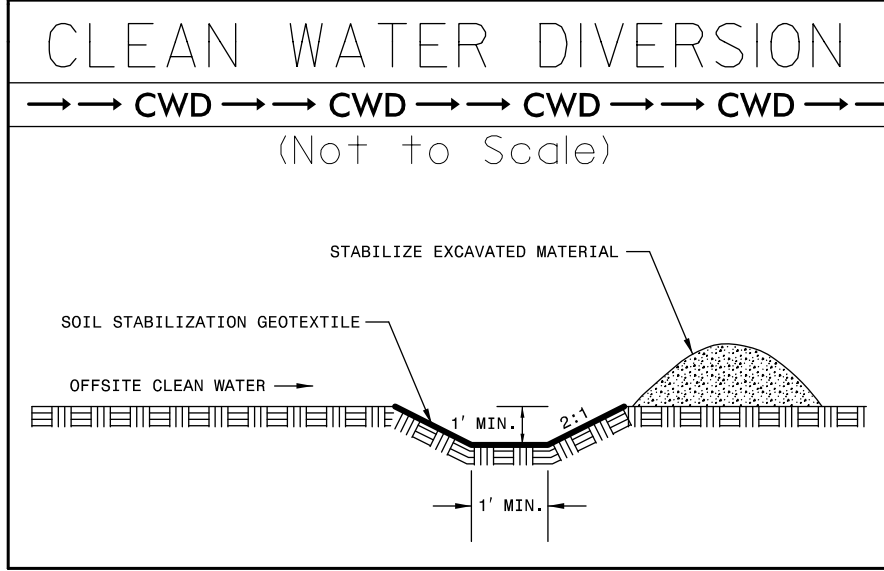
MATCH LINE STA -L- 39+00.00
MATCH TO SHEET NO. 8

60 x 20 x 3
1.5 inch Skimmer
with 1.0 inch
Orifice Diameter
5 ft. weir
ID 7.1



PROJECT REFERENCE NO. <i>R-5921</i>	SHEET NO. <i>EC-31/CONST. B</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

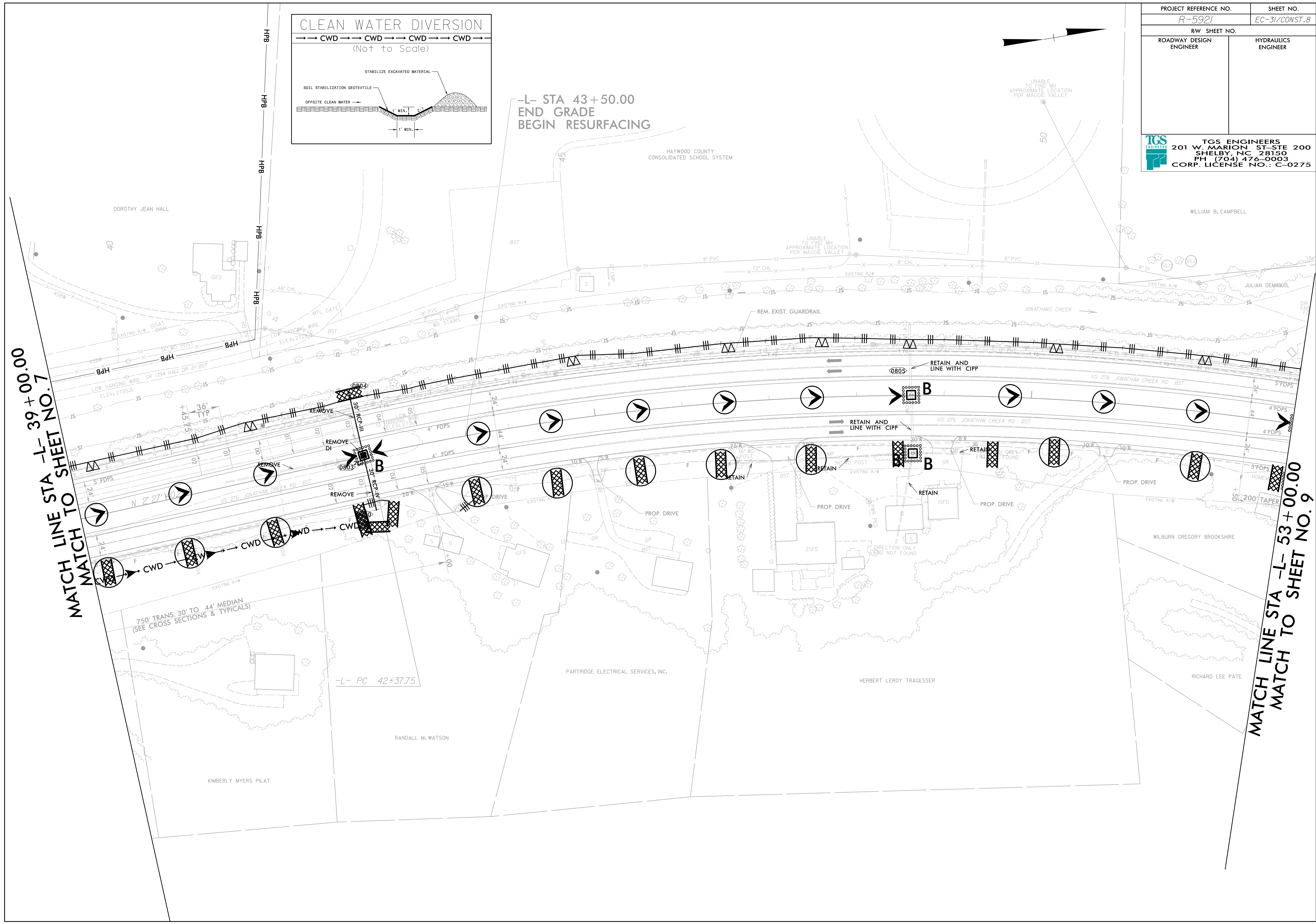
TGS ENGINEERS
 201 W. MARION ST. STE 200
 SHELBY, NC 28150
 PH (704) 476-0003
 CORP. LICENSE NO.: C-0275



**-L- STA 43+50.00
 END GRADE
 BEGIN RESURFACING**

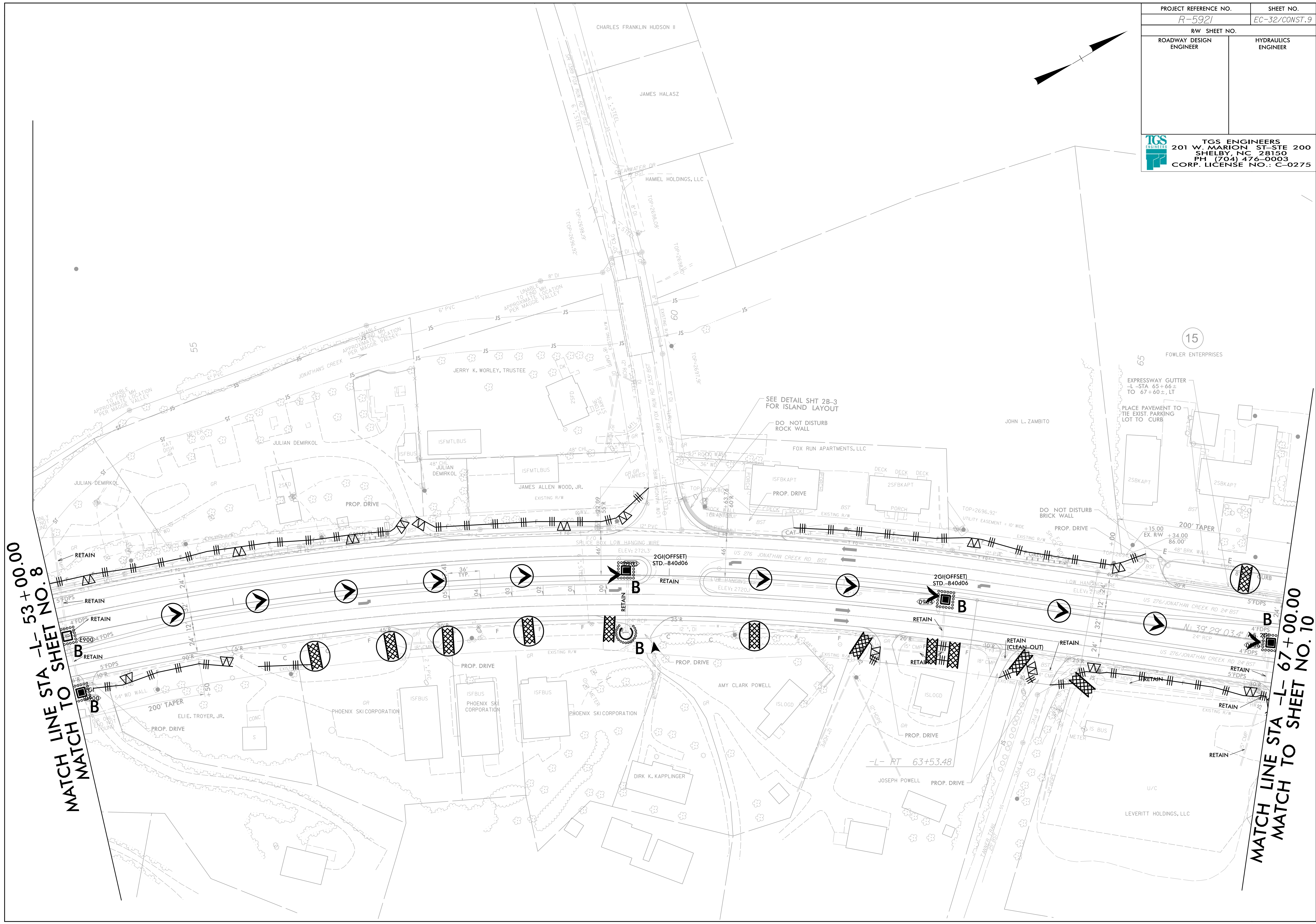
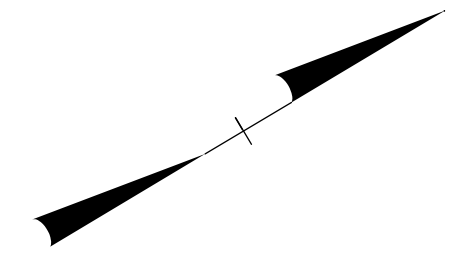
**MATCH LINE STA -L- 39+00.00
 MATCH TO SHEET NO. 7**

**MATCH LINE STA -L- 53+00.00
 MATCH TO SHEET NO. 9**




PROJECT REFERENCE NO. <i>R-5921</i>		SHEET NO. <i>EC-32/CONST.9</i>	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

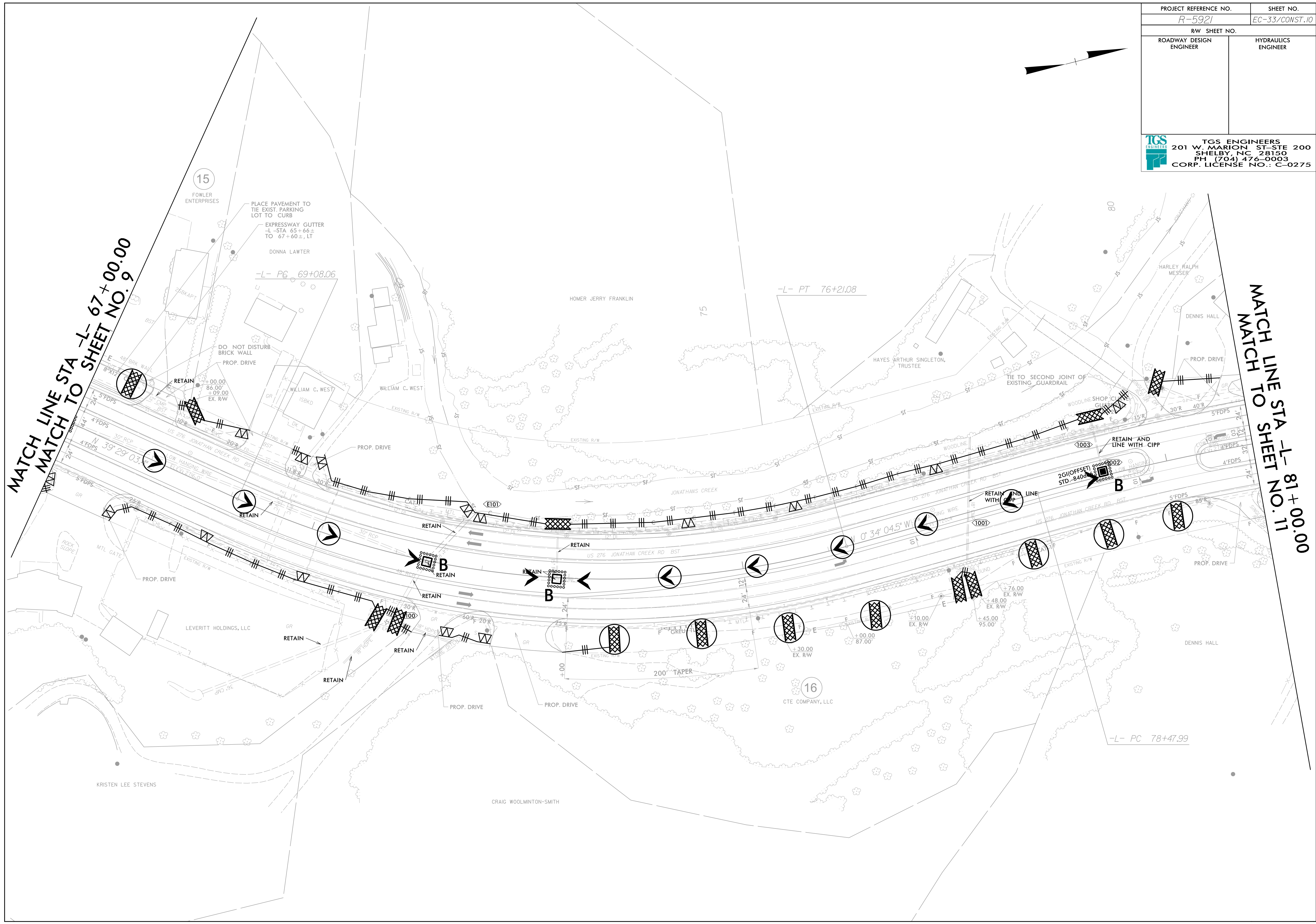
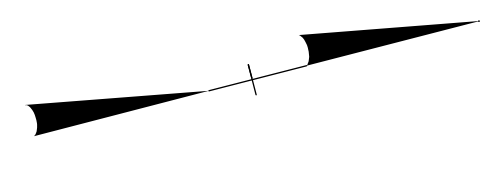
TGS ENGINEERS
 201 W. MARION ST-STE 200
 SHELBY, NC 28150
 PH (704) 476-0003
 CORP. LICENSE NO.: C-0275



MATCH LINE STA -L- 53+00.00
 MATCH TO SHEET NO. 8

MATCH LINE STA -L- 67+00.00
 MATCH TO SHEET NO. 10

PROJECT REFERENCE NO. <i>R-5921</i>	SHEET NO. <i>EC-33/CONST.10</i>
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	

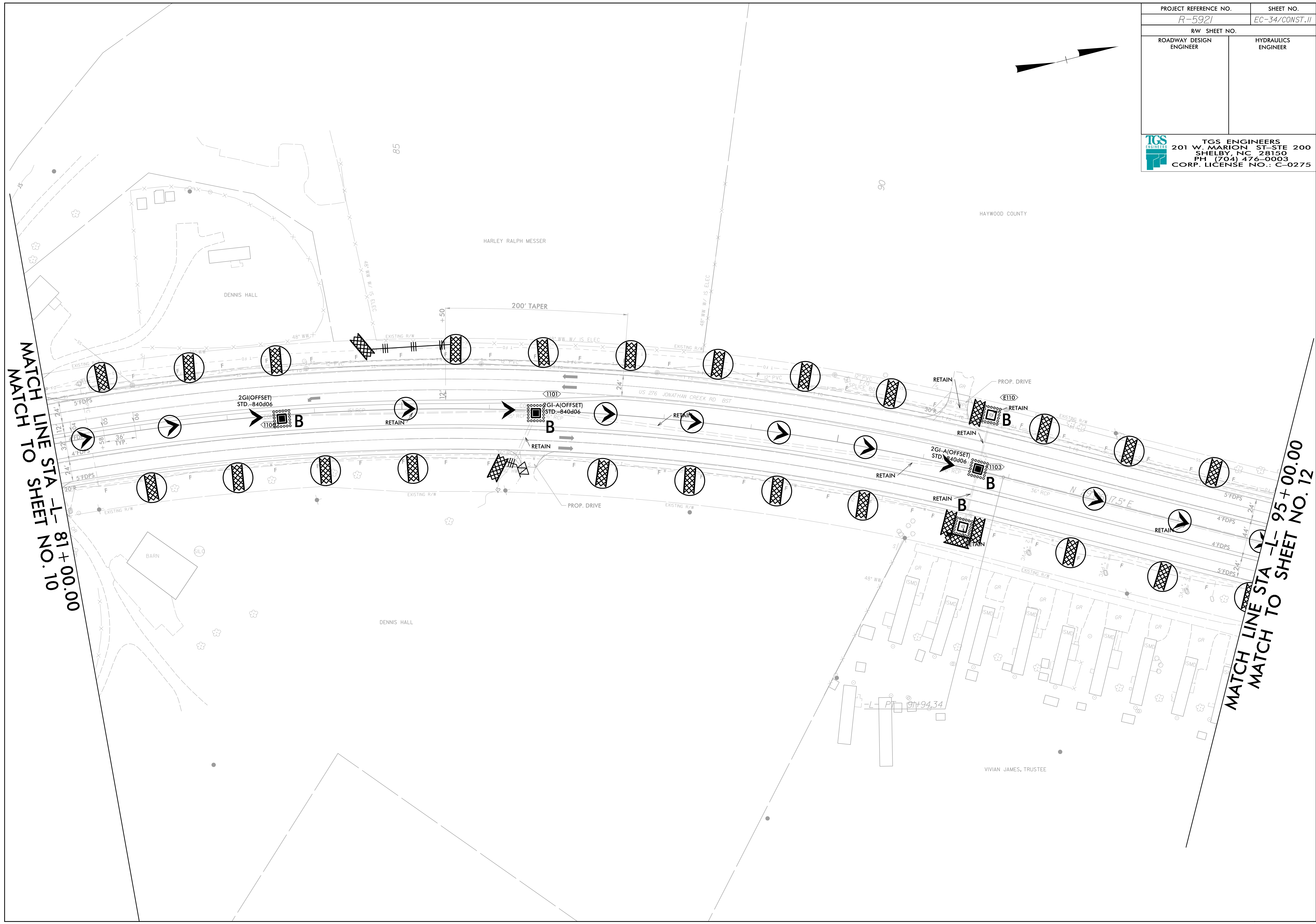
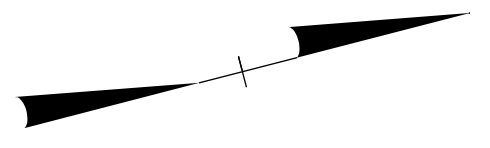


MATCH LINE STA -L- 67+00.00
 MATCH TO SHEET NO. 9

MATCH LINE STA -L- 81+00.00
 MATCH TO SHEET NO. 11


PROJECT REFERENCE NO. <i>R-5921</i>	SHEET NO. <i>EC-34/CONST.II</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

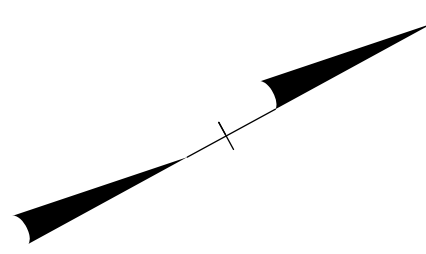
TGS ENGINEERS
 201 W. MARION ST-STE 200
 SHELBY, NC 28150
 PH (704) 476-0003
 CORP. LICENSE NO.: C-0275



MATCH LINE STA -L- 81+00.00
 MATCH TO SHEET NO. 10

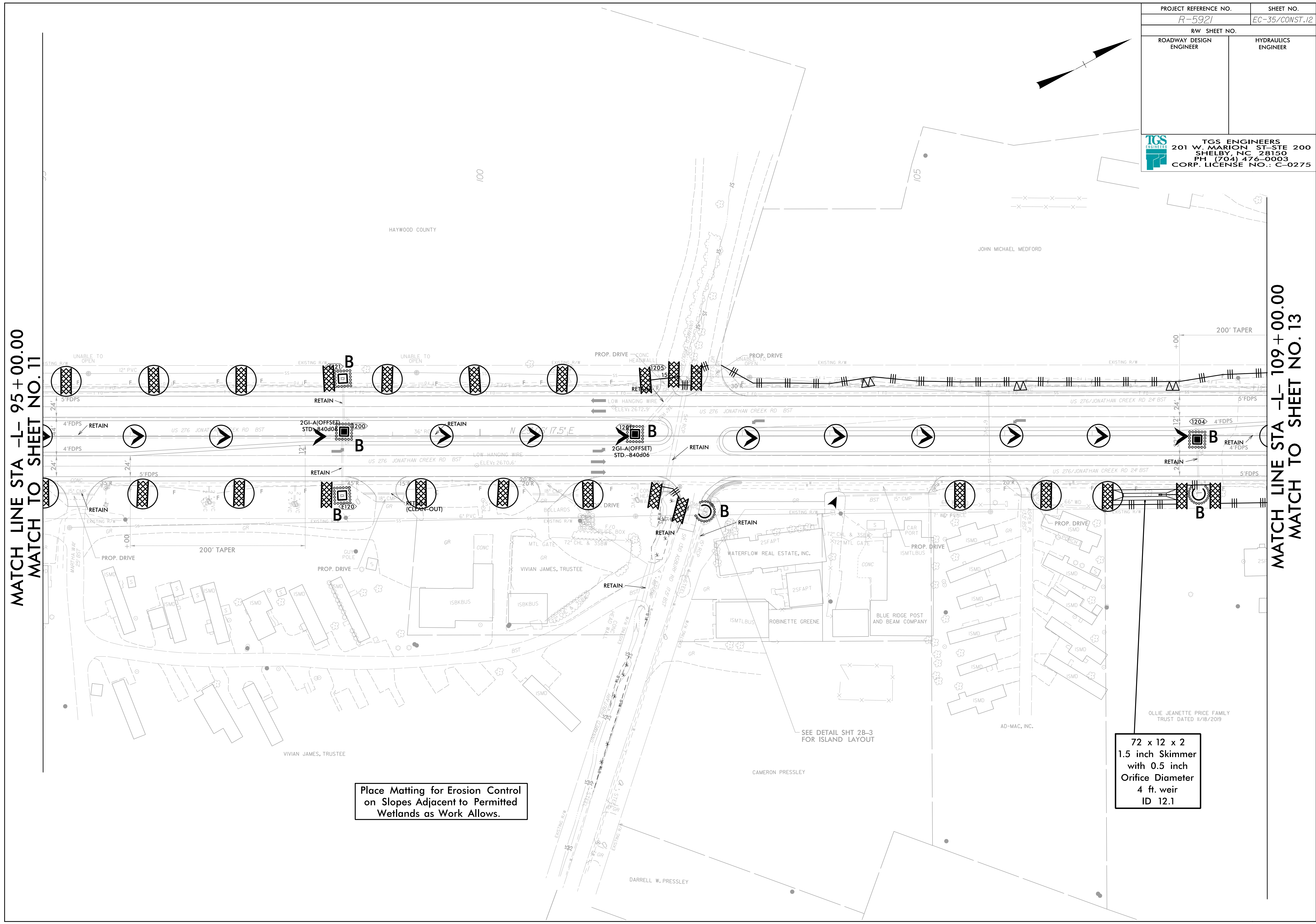
MATCH LINE STA -L- 95+00.00
 MATCH TO SHEET NO. 12

PROJECT REFERENCE NO. <i>R-5921</i>	SHEET NO. <i>EC-35/CONST.12</i>
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 -L- 95 + 00.00
MATCH TO SHEET NO. 11

MATCH LINE STA -L- 109 + 00.00
MATCH TO SHEET NO. 13




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

72 x 12 x 2
1.5 inch Skimmer
with 0.5 inch
Orifice Diameter
4 ft. weir
ID 12.1

SEE DETAIL SHT 2B-3 FOR ISLAND LAYOUT


OLLIE JEANNETTE PRICE FAMILY TRUST DATED 11/18/2019

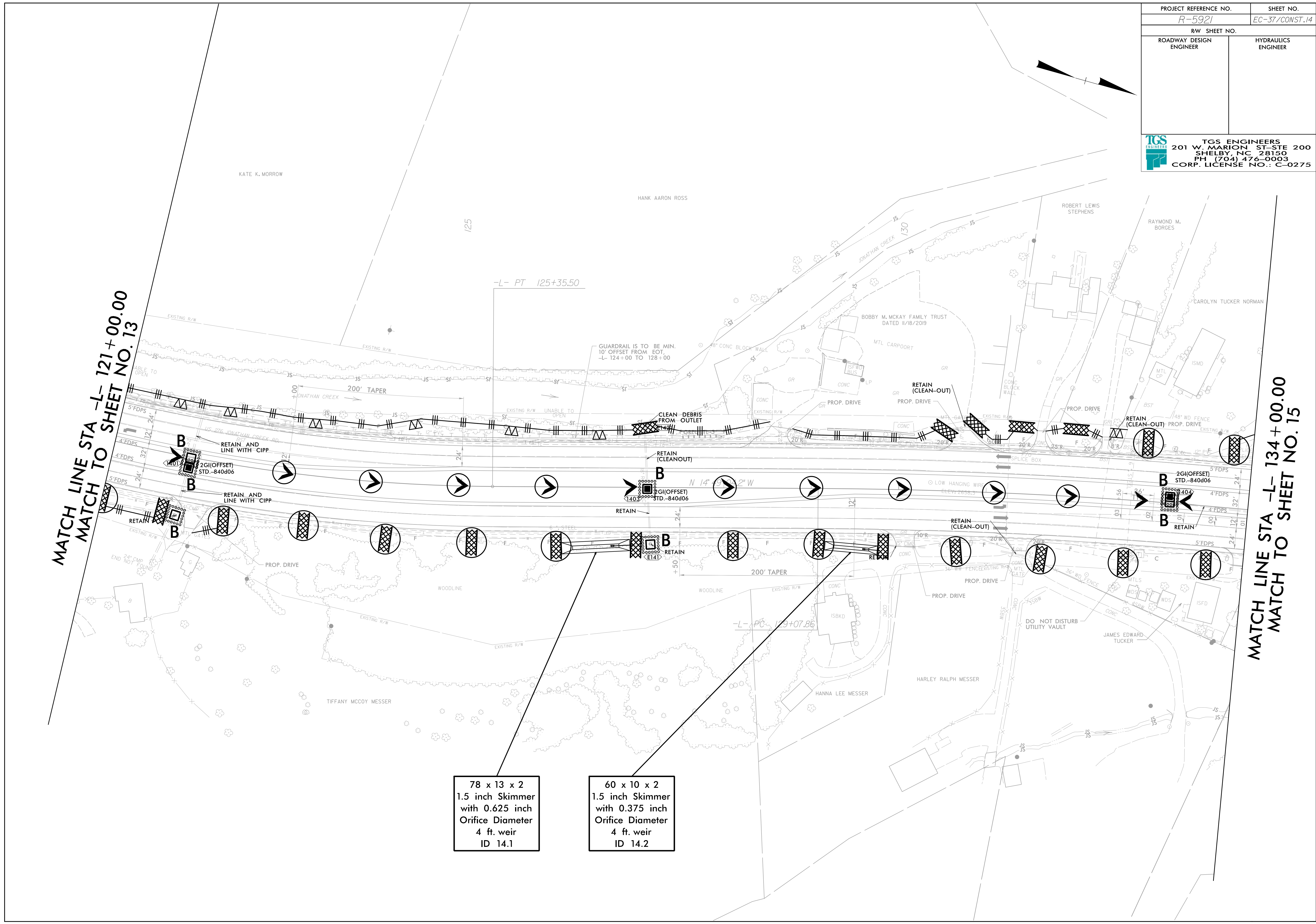
PROJECT REFERENCE NO.	SHEET NO.
R-5921	EC-36/CONST.13
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
 TGS ENGINEERS 201 W. MARION ST-STE 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	

MATCH LINE STA -L- 109+00.00
 MATCH TO SHEET NO. 12

MATCH LINE STA -L- 121+00.00
 MATCH TO SHEET NO. 14



PROJECT REFERENCE NO. <i>R-5921</i>		SHEET NO. <i>EC-37/CONST.14</i>	
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			

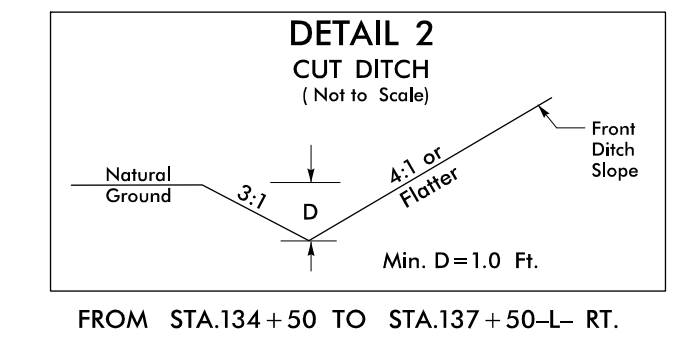


MATCH LINE STA -L- 121+00.00
 MATCH TO SHEET NO. 13

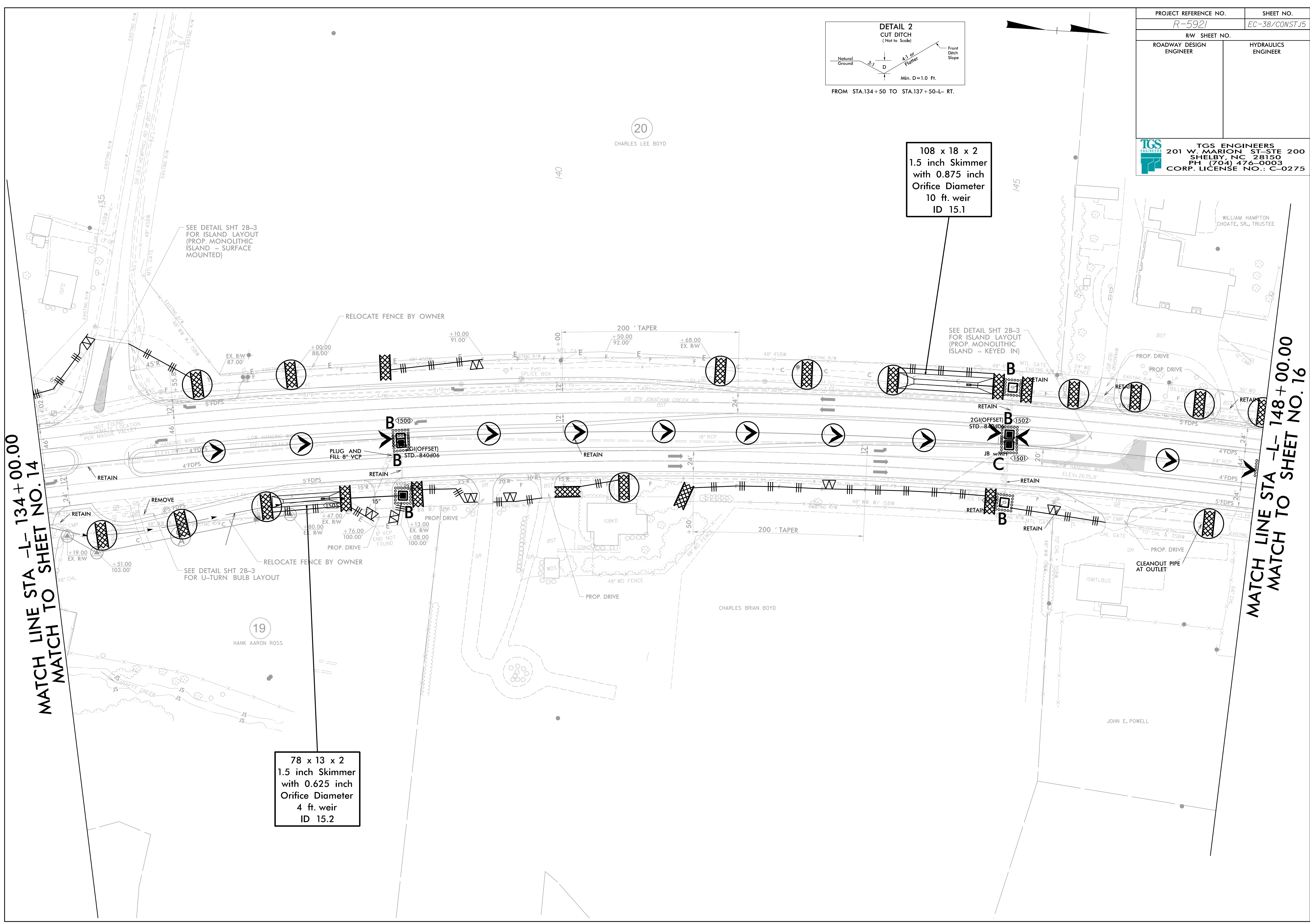
MATCH LINE STA -L- 134+00.00
 MATCH TO SHEET NO. 15

78 x 13 x 2
 1.5 inch Skimmer
 with 0.625 inch
 Orifice Diameter
 4 ft. weir
 ID 14.1

60 x 10 x 2
 1.5 inch Skimmer
 with 0.375 inch
 Orifice Diameter
 4 ft. weir
 ID 14.2



PROJECT REFERENCE NO. <i>R-5921</i>		SHEET NO. <i>EC-38/CONST.15</i>	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
RW SHEET NO.			
TGS ENGINEERS 201 W. MARION ST-STE 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275			



**108 x 18 x 2
1.5 inch Skimmer
with 0.875 inch
Orifice Diameter
10 ft. weir
ID 15.1**

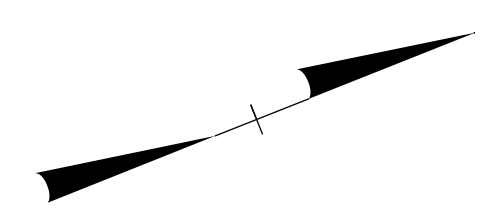
**78 x 13 x 2
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
4 ft. weir
ID 15.2**

**MATCH LINE STA -L- 134+00.00
MATCH TO SHEET NO. 14**

**MATCH LINE STA -L- 148+00.00
MATCH TO SHEET NO. 16**

PROJECT REFERENCE NO.		SHEET NO.	
R-5921		EC-39/CONST.16	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

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 CORP. LICENSE NO.: C-0275



MATCH LINE STA -L- 148+00.00
MATCH TO SHEET NO. 15

MATCH LINE STA -L- 162+00.00
MATCH TO SHEET NO. 17

Q50-840cfs
 HWD-1.22 (Chart 8)
 RETAIN EXISTING BOX
 CULVERT APPEARS TO
 BE IN GOOD SHAPE
 (BARRELS NEED TO BE
 CLEARED OF SILT
 AND DEBRIS)

JOHNNY LOWE CONSTRUCTION, INC.

WILLIAM HAMPTON CHOATE, SR., TRUSTEE


JOE W. POWELL, SR.

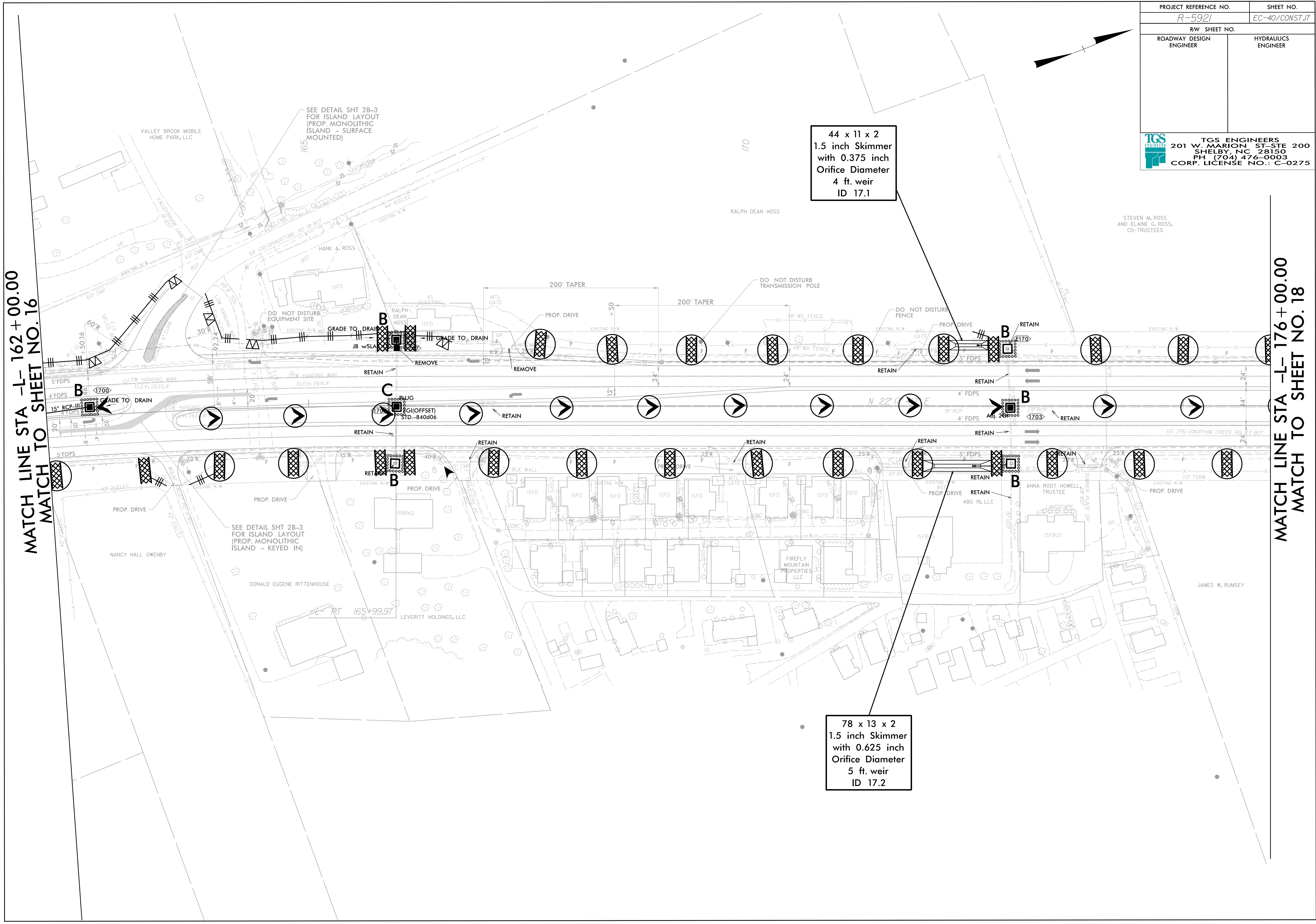
WILLIAM HAMPTON CHOATE, SR., TRUSTEE

VALLEY BROOK MOBILE HOME-PARK, LLC

NANCY HALL OWENBY

NANCY HALL OWENBY

PROJECT REFERENCE NO. <i>R-5921</i>	SHEET NO. <i>EC-40/CONST.17</i>
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	

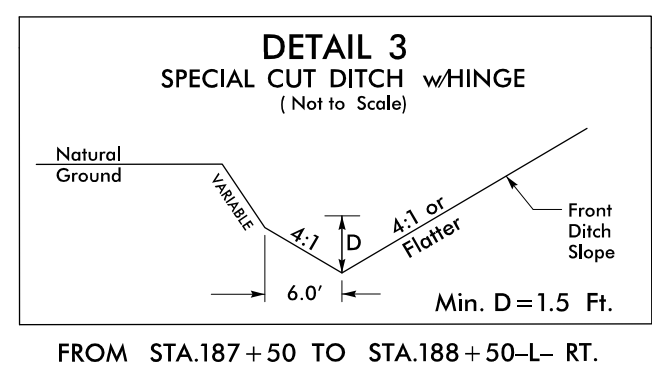


MATCH LINE STA -L- 162+00.00
 MATCH TO SHEET NO. 16

MATCH LINE STA -L- 176+00.00
 MATCH TO SHEET NO. 18

44 x 11 x 2
 1.5 inch Skimmer
 with 0.375 inch
 Orifice Diameter
 4 ft. weir
 ID 17.1

78 x 13 x 2
 1.5 inch Skimmer
 with 0.625 inch
 Orifice Diameter
 5 ft. weir
 ID 17.2



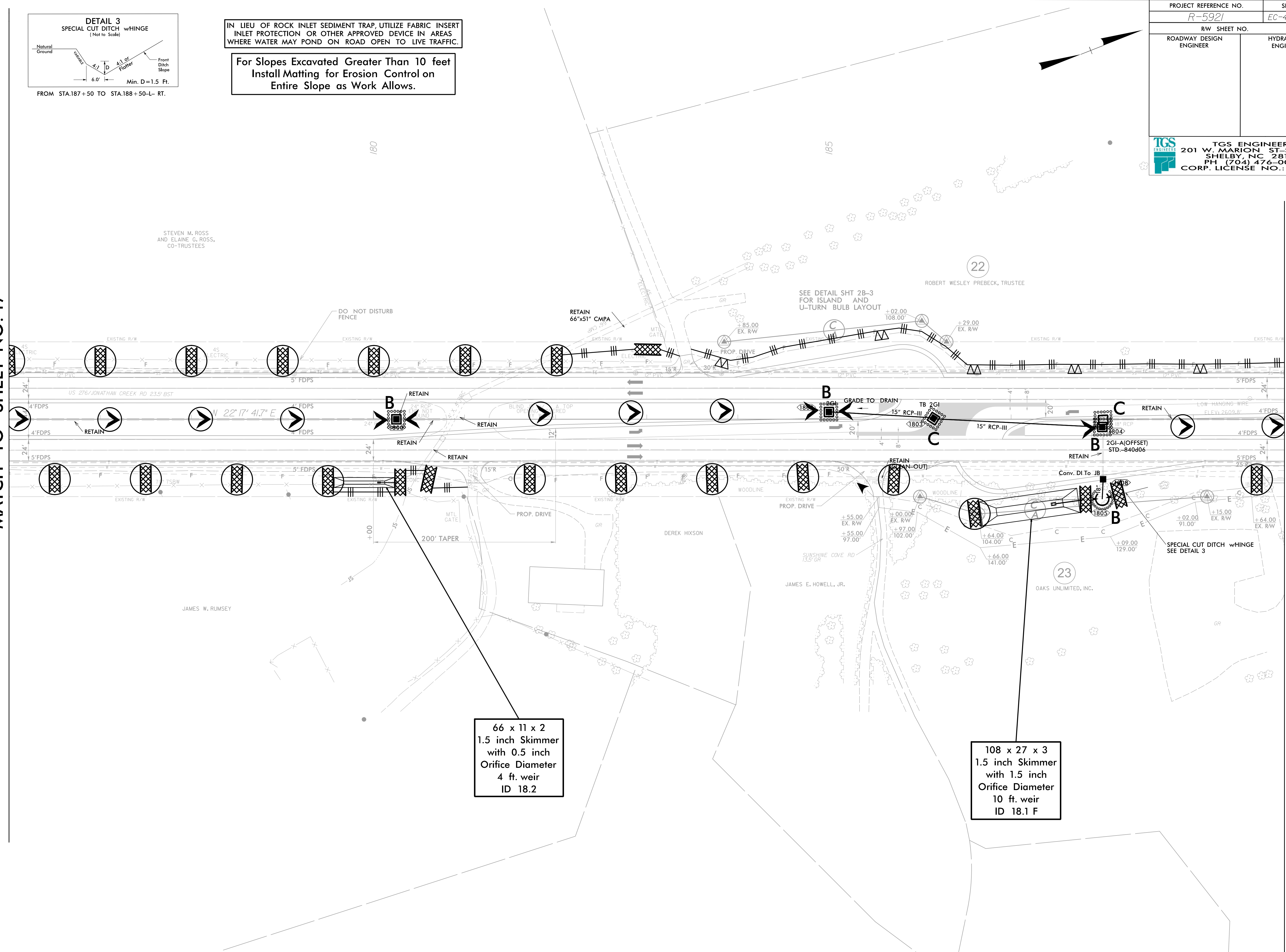
IN LIEU OF ROCK INLET SEDIMENT TRAP, UTILIZE FABRIC INSERT INLET PROTECTION OR OTHER APPROVED DEVICE IN AREAS WHERE WATER MAY POND ON ROAD OPEN TO LIVE TRAFFIC.

For Slopes Excavated Greater Than 10 feet Install Matting for Erosion Control on Entire Slope as Work Allows.

PROJECT REFERENCE NO. <i>R-5921</i>		SHEET NO. <i>EC-41/CONST JB</i>	
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 -L- 176+00.00
MATCH TO SHEET NO. 17

MATCH LINE STA -L- 190+00.00
MATCH TO SHEET NO. 19

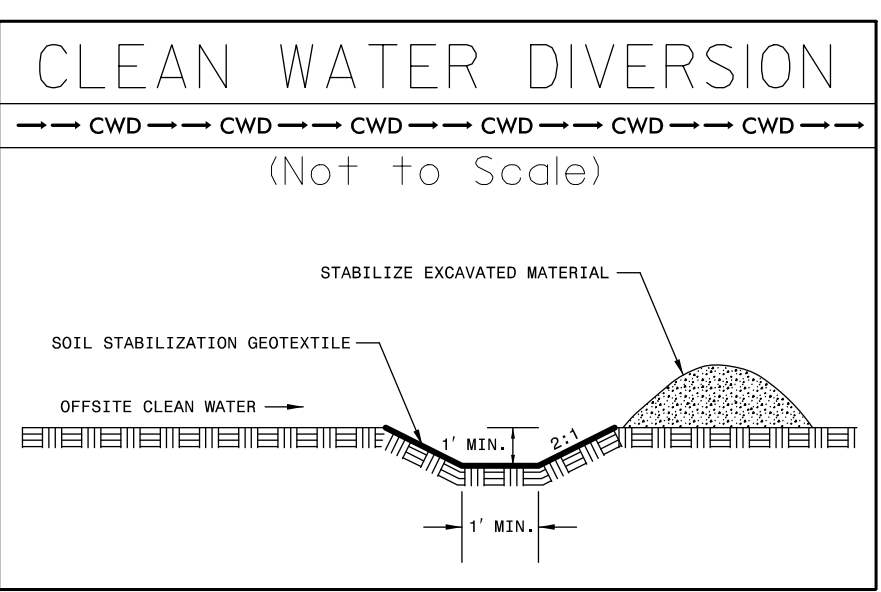


66 x 11 x 2
1.5 inch Skimmer
with 0.5 inch
Orifice Diameter
4 ft. weir
ID 18.2

108 x 27 x 3
1.5 inch Skimmer
with 1.5 inch
Orifice Diameter
10 ft. weir
ID 18.1 F

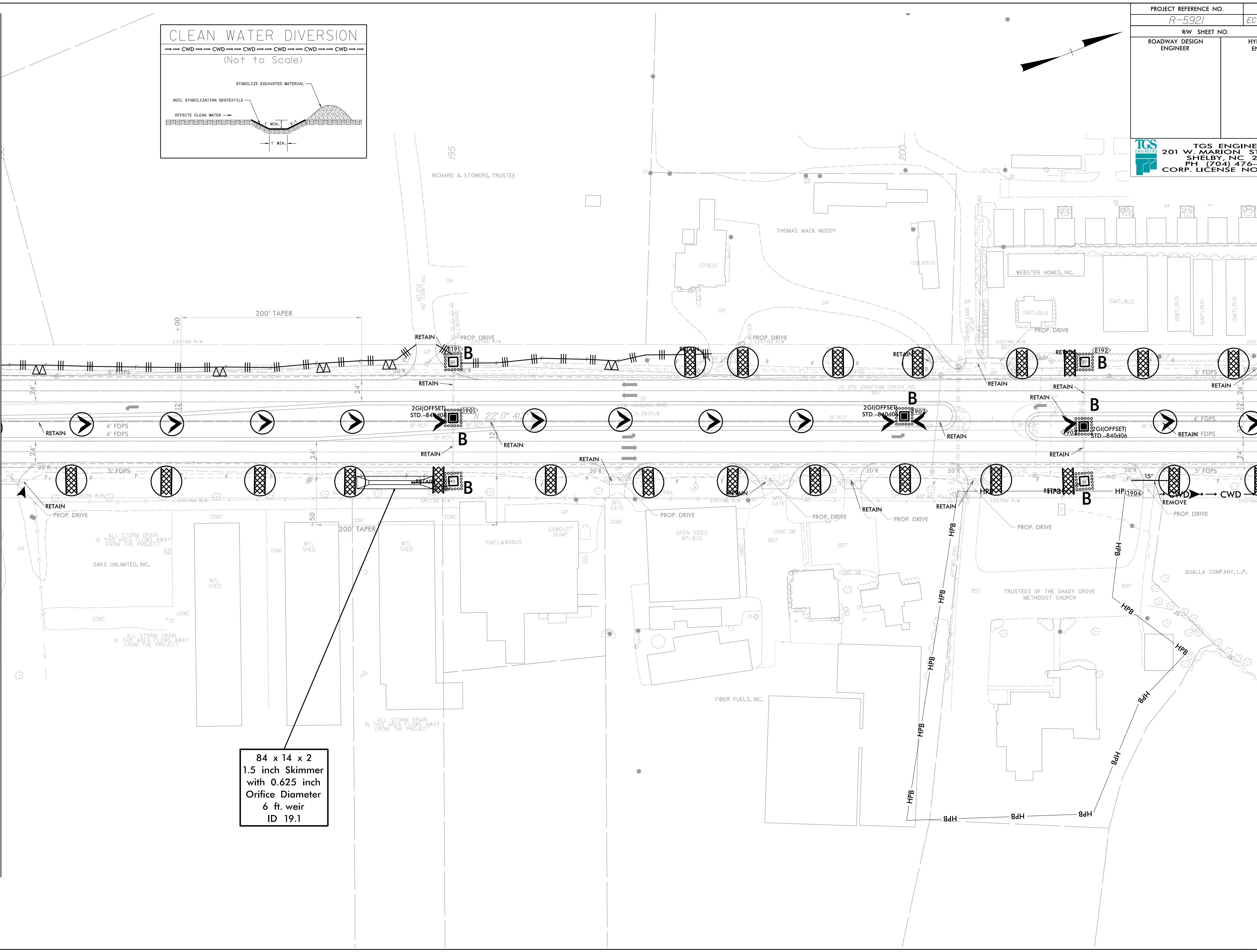
PROJECT REFERENCE NO. <i>R-5921</i>	SHEET NO. <i>EC-42/CONST.19</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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




MATCH LINE STA -L- 190+00.00
MATCH TO SHEET NO. 18

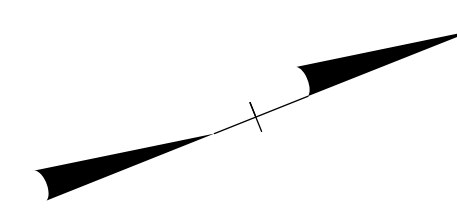
MATCH LINE STA -L- 204+00.00
MATCH TO SHEET NO. 20



84 x 14 x 2
 1.5 inch Skimmer
 with 0.625 inch
 Orifice Diameter
 6 ft. weir
 ID 19.1

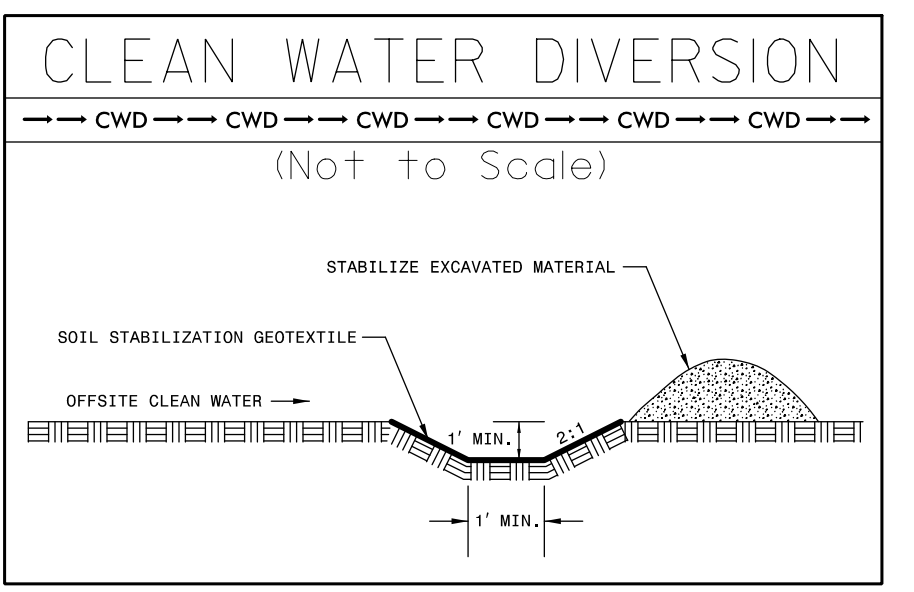
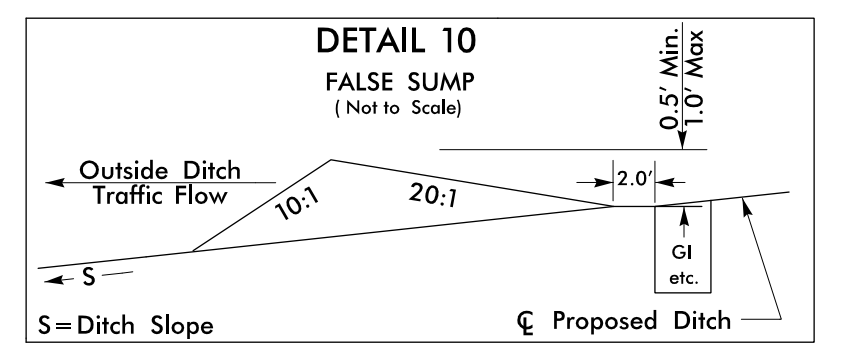
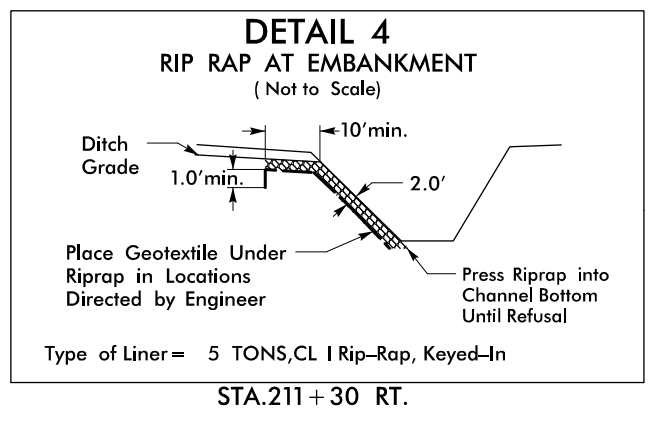
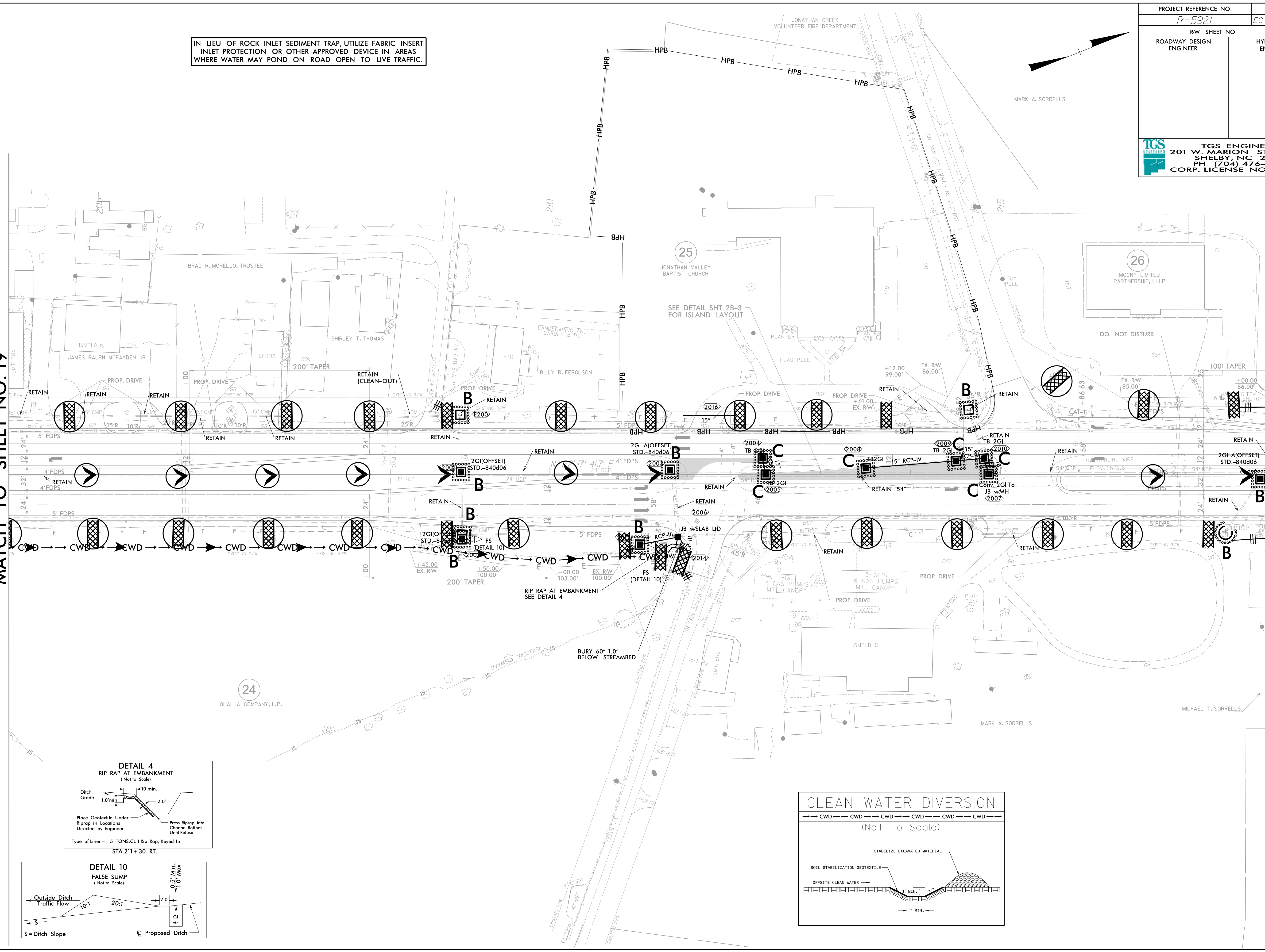
PROJECT REFERENCE NO. <i>R-5921</i>	SHEET NO. <i>EC-43/CONST.20</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
 TGS ENGINEERS 201 W. MARION ST-STE 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	

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



MATCH LINE STA -L- 204+00.00
MATCH TO SHEET NO. 19

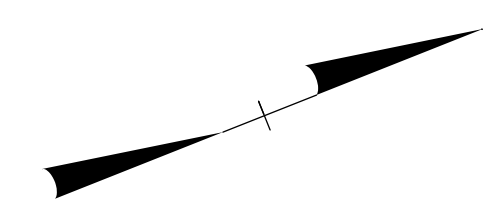
MATCH LINE STA -L- 218+00.00
MATCH TO SHEET NO. 21



PROJECT REFERENCE NO. <i>R-5921</i>	SHEET NO. <i>EC-44/CONST.21</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

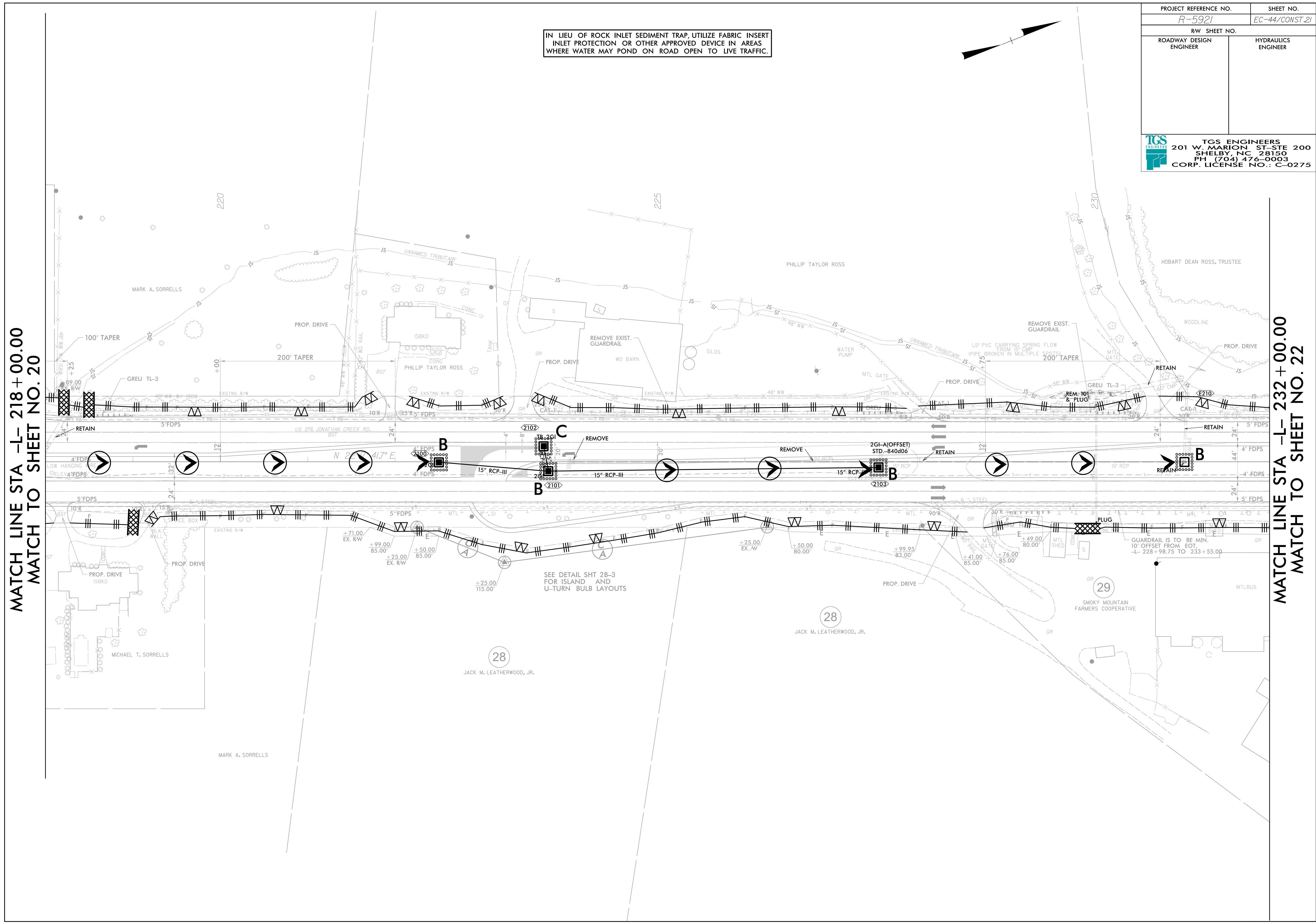
TGS ENGINEERS
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 PH (704) 476-0003
 CORP. LICENSE NO.: C-0275

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



MATCH LINE STA -L- 218+00.00
 MATCH TO SHEET NO. 20

MATCH LINE STA -L- 232+00.00
 MATCH TO SHEET NO. 22



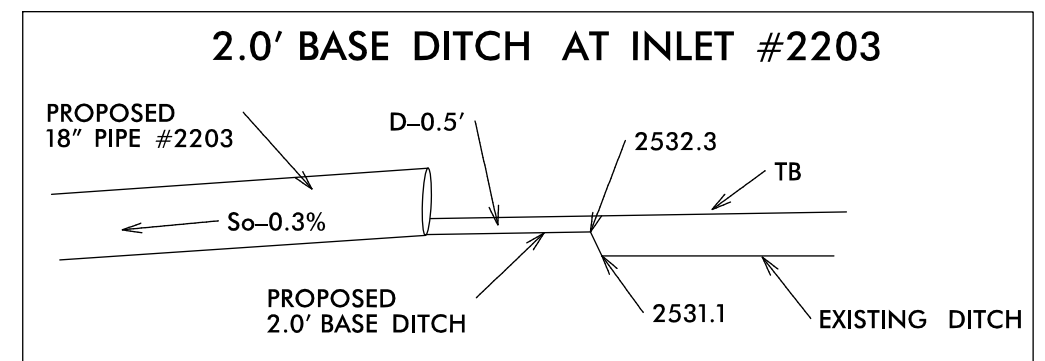
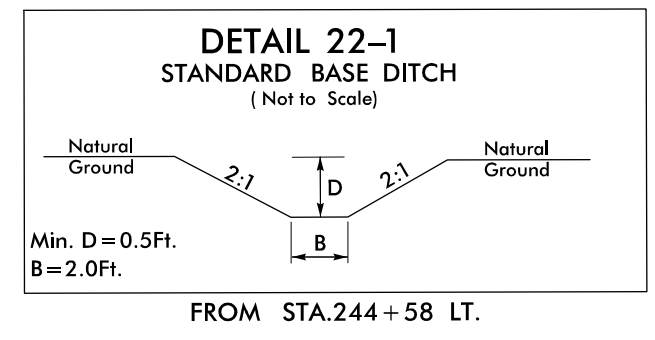
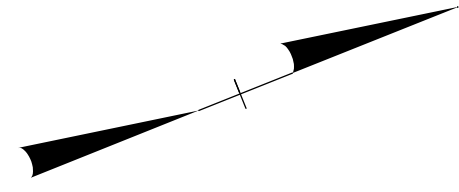
SEE DETAIL SHT 2B-3 FOR ISLAND AND U-TURN BULB LAYOUTS

GUARDRAIL IS TO BE MIN. 10' OFFSET FROM EOT. -L- 228+98.75 TO 233+55.00

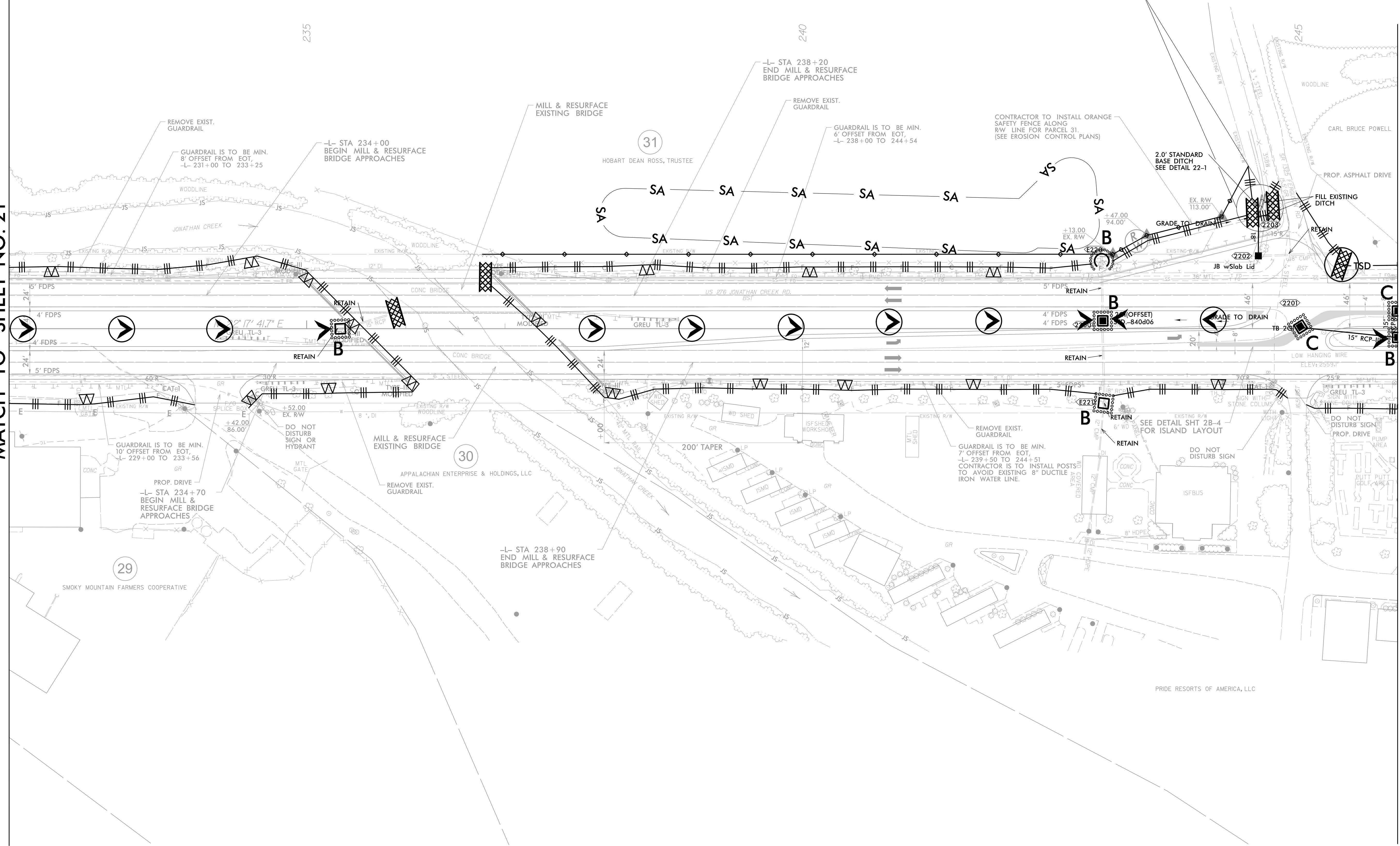
PROJECT REFERENCE NO. R-5921	SHEET NO. EC-45/CONST.22
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
TGS ENGINEERS 201 W. MARION ST. STE 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	



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



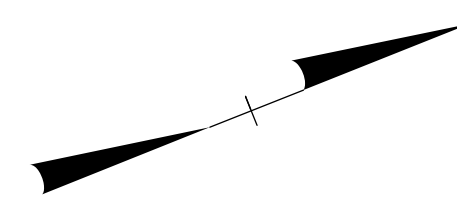
MATCH LINE STA -L- 232+00.00
MATCH TO SHEET NO. 21



MATCH LINE STA -L- 246+00.00
MATCH TO SHEET NO. 23

PROJECT REFERENCE NO. <i>R-5921</i>	SHEET NO. <i>EC-46/CONST.23</i>
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



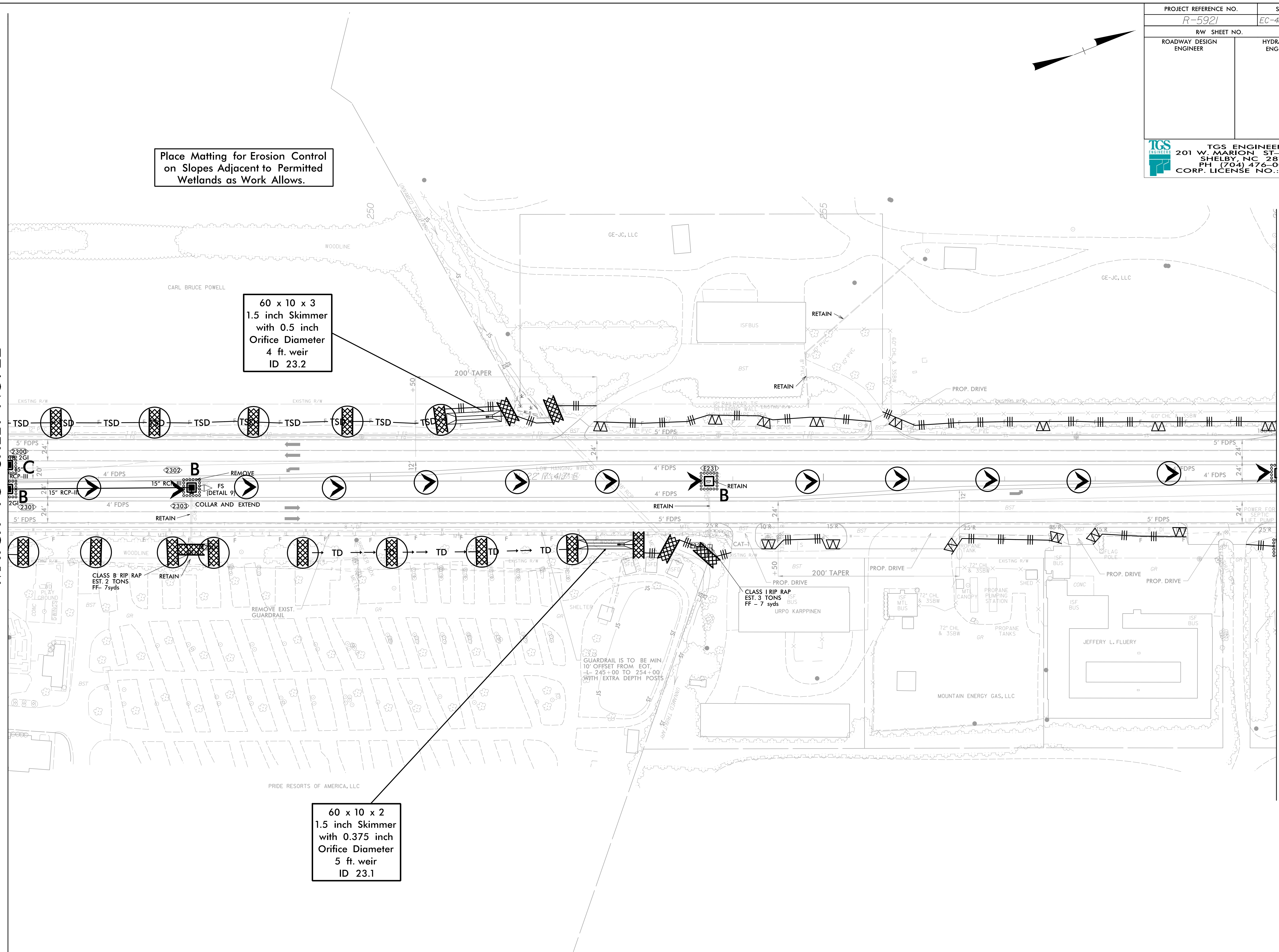
Place Matting for Erosion Control on Slopes Adjacent to Permitted Wetlands as Work Allows.


60 x 10 x 3
 1.5 inch Skimmer
 with 0.5 inch
 Orifice Diameter
 4 ft. weir
 ID 23.2

60 x 10 x 2
 1.5 inch Skimmer
 with 0.375 inch
 Orifice Diameter
 5 ft. weir
 ID 23.1

MATCH LINE STA -L- 246+00.00
 MATCH TO SHEET NO. 22

MATCH LINE STA -L- 260+00.00
 MATCH TO SHEET NO. 24



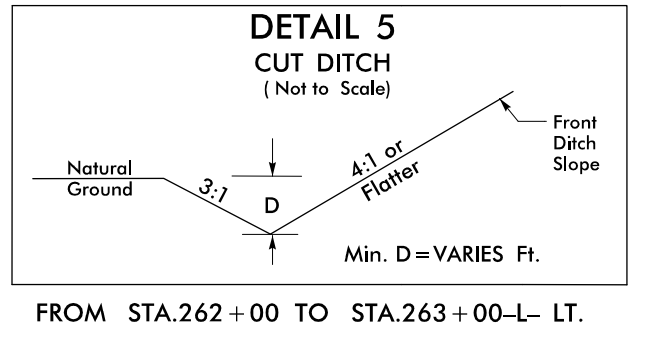
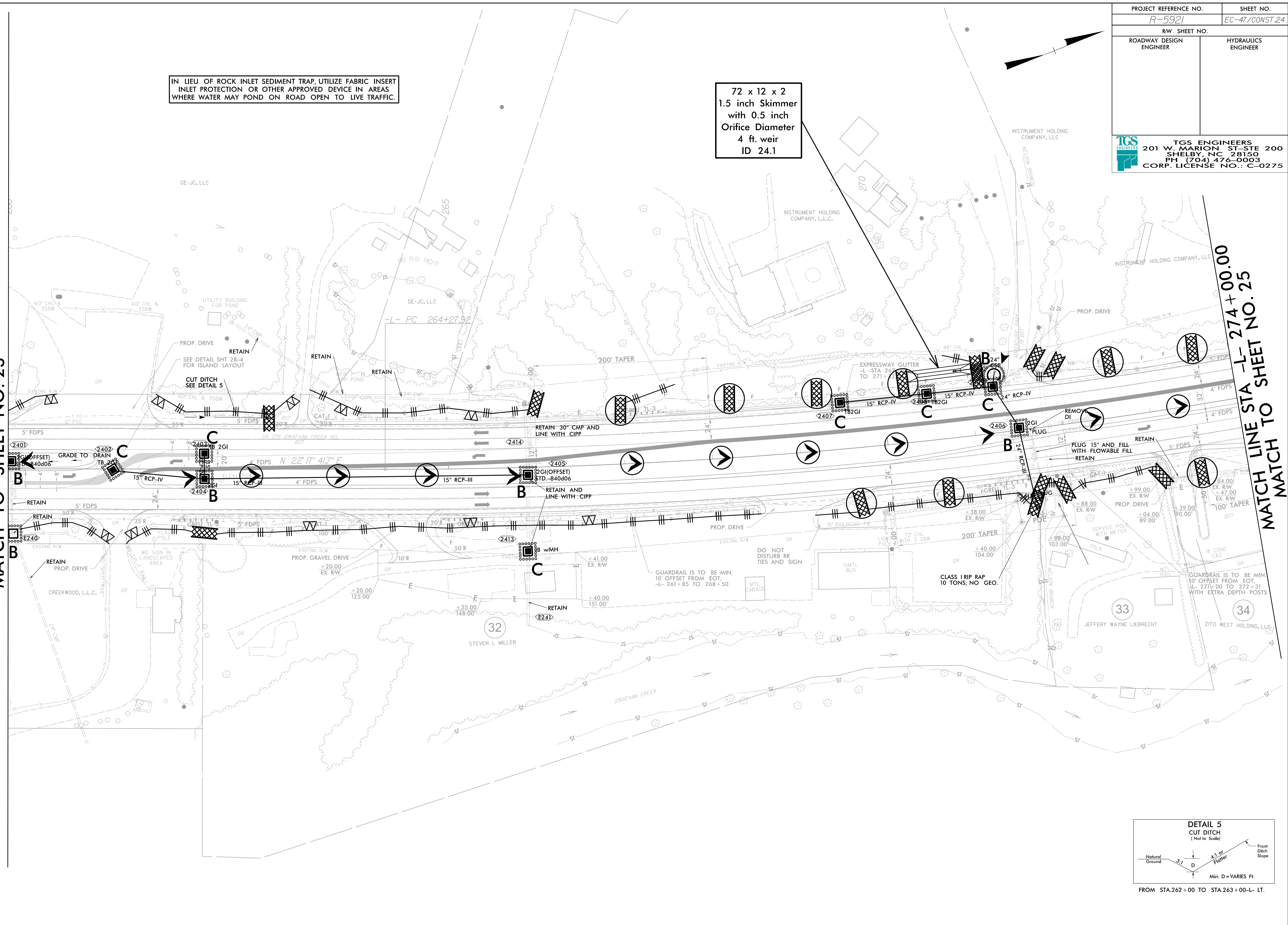
PROJECT REFERENCE NO.	SHEET NO.
R-5921	EC-47/CONST.24
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
 TGS ENGINEERS 201 W. MARION ST-STE 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	


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

72 x 12 x 2
1.5 inch Skimmer
with 0.5 inch
Orifice Diameter
4 ft. weir
ID 24.1

MATCH LINE STA -L- 260+00.00
MATCH TO SHEET NO. 23

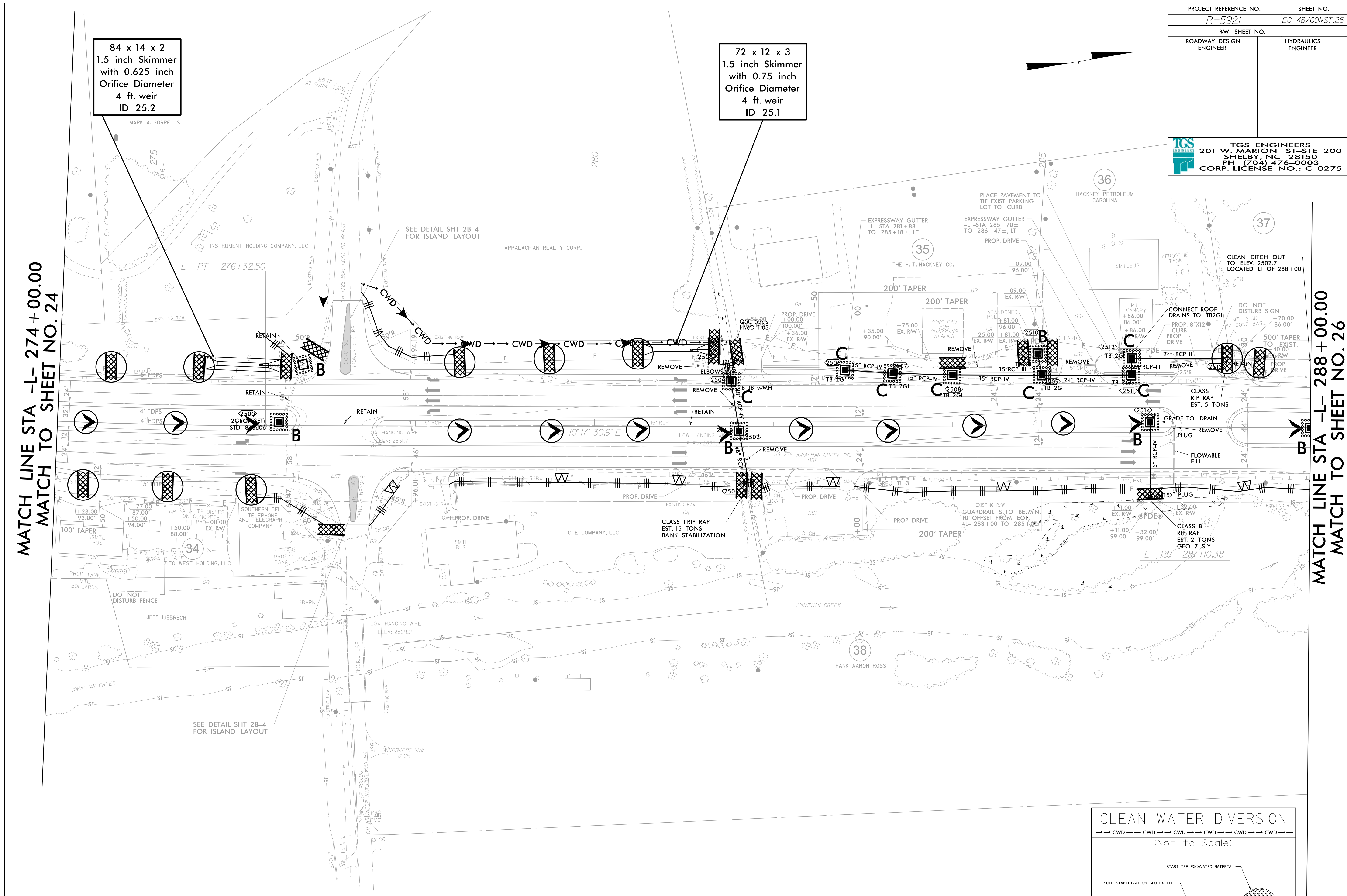
MATCH LINE STA -L- 274+00.00
MATCH TO SHEET NO. 25



PROJECT REFERENCE NO. <i>R-5921</i>	SHEET NO. <i>EC-48/CONST.25</i>
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	

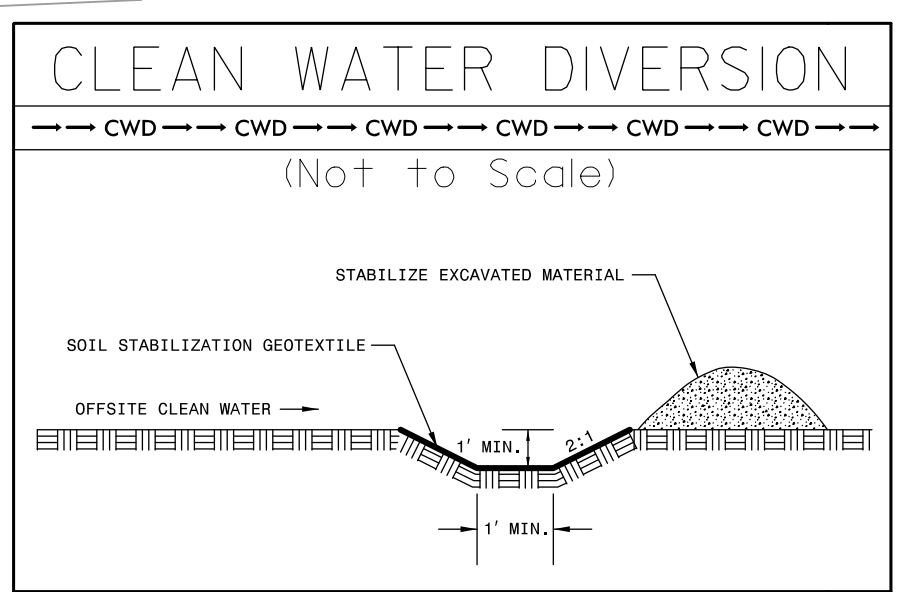
MATCH LINE STA -L- 274+00.00
MATCH TO SHEET NO. 24

MATCH LINE STA -L- 288+00.00
MATCH TO SHEET NO. 26



84 x 14 x 2
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
4 ft. weir
ID 25.2


72 x 12 x 3
1.5 inch Skimmer
with 0.75 inch
Orifice Diameter
4 ft. weir
ID 25.1

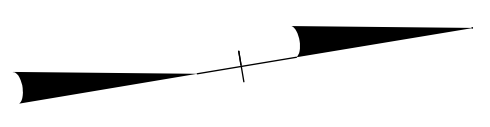


IN LIEU OF ROCK INLET SEDIMENT TRAP, UTILIZE FABRIC INSERT INLET PROTECTION OR OTHER APPROVED DEVICE IN AREAS WHERE WATER MAY POND ON ROAD OPEN TO LIVE TRAFFIC.

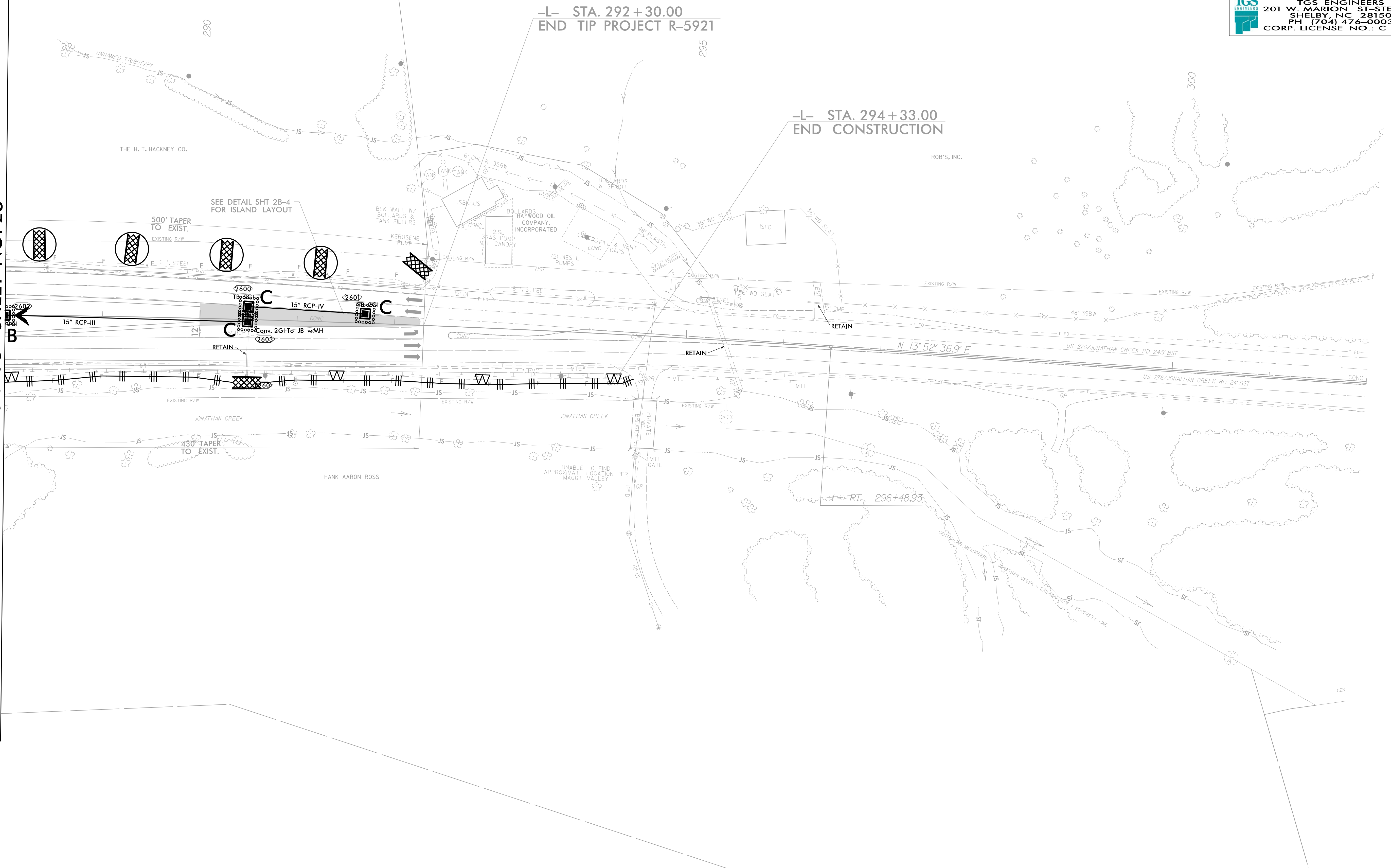
Place Matting for Erosion Control on Slopes Adjacent to Permitted Wetlands as Work Allows.

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

PROJECT REFERENCE NO. <i>R-5921</i>	SHEET NO. <i>EC-49/CONST.26</i>
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 -L- 288+00.00
MATCH TO SHEET NO. 25



-L- STA. 292+30.00
END TIP PROJECT R-5921

-L- STA. 294+33.00
END CONSTRUCTION

RI 296+48.93

THE H. T. HACKNEY CO.

ROB'S, INC.

BOLLARD'S OIL COMPANY, INCORPORATED

HANK AARON ROSS

SEE DETAIL SHT 2B-4 FOR ISLAND LAYOUT

500' TAPER TO EXIST.

430' TAPER TO EXIST.

UNABLE TO FIND APPROXIMATE LOCATION PER MAGGIE VALLEY

N 13° 52' 36.9" E

US 276/JONATHAN CREEK RD 24.5' BST


US 276/JONATHAN CREEK RD 24' BST

CENTRALLINE MEANDERS OF JONATHAN CREEK - EXISTING

PROPERTY LINE

GEN

SEE RF-2, RF-3, AND PROJECT SPECIAL PROVISIONS

PROJECT REFERENCE NO. <i>R-5921</i>	SHEET NO. <i>EC-50</i>
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	

