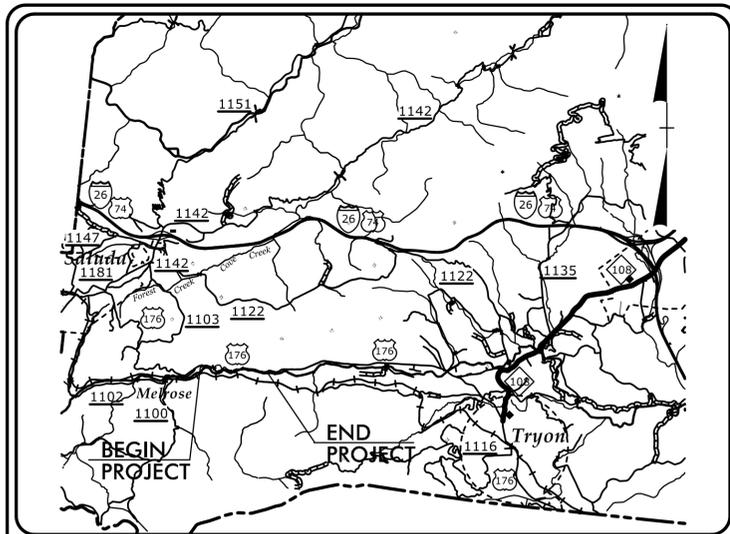


PROJECT: W03293



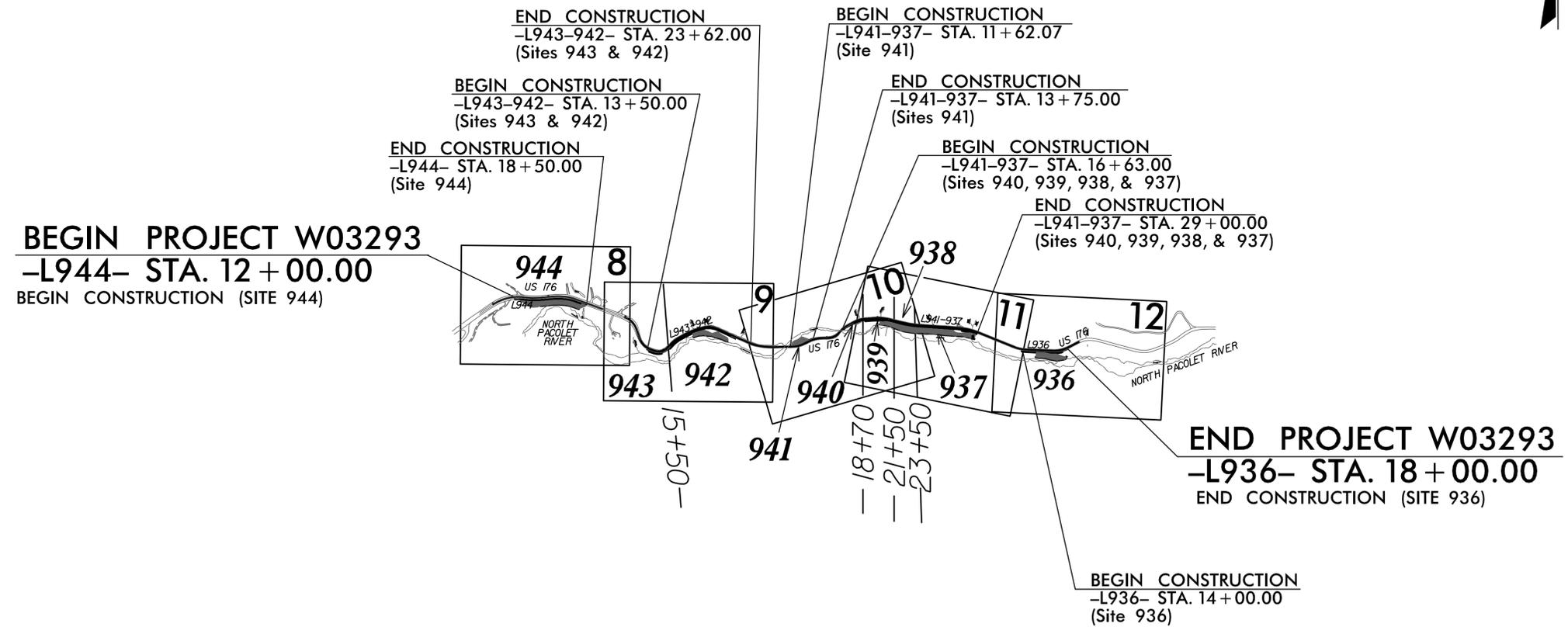
VICINITY MAP
NOT TO SCALE

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
**PLAN FOR PROPOSED
HIGHWAY EROSION CONTROL**
POLK COUNTY

LOCATION: US 176

TYPE OF WORK: GRADING, DRAINAGE, PAVING, AND RETAINING WALLS

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	W03293	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
SEE	ROADWAY	TITLESHEET	

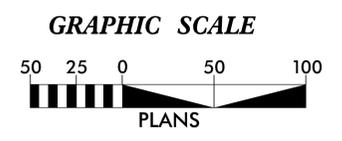


THIS PROJECT CONTAINS EROSION CONTROL PLANS FOR CLEARING AND GRUBBING PHASE OF CONSTRUCTION.

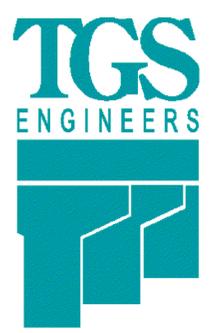
THIS PROJECT HAS BEEN DESIGNED TO SENSITIVE WATERSHED STANDARDS.

ENVIRONMENTALLY SENSITIVE AREA(S) EXIST ON THIS PROJECT
Refer To E. C. Special Provisions for Special Considerations.

CONTRACT:



THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH THE REGULATIONS SET FORTH BY THE NCG 010000 GENERAL STORMWATER CONSTRUCTION PERMIT ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY DIVISION OF ENERGY, MINERAL, AND LAND RESOURCES.



Prepared In the Office of:
TGS ENGINEERS
201 W. MARION ST-SITE 200
SHELBY, NC 28150

Designed by:
Andrew H. Cochran, PE 3015
NAME LEVEL III CERTIFICATION NO.

Roadway Standard Drawings

The "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 2024 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA

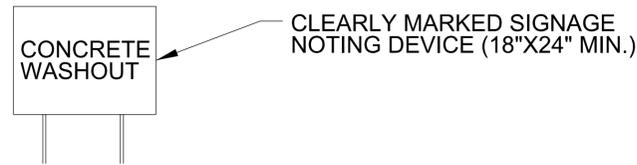
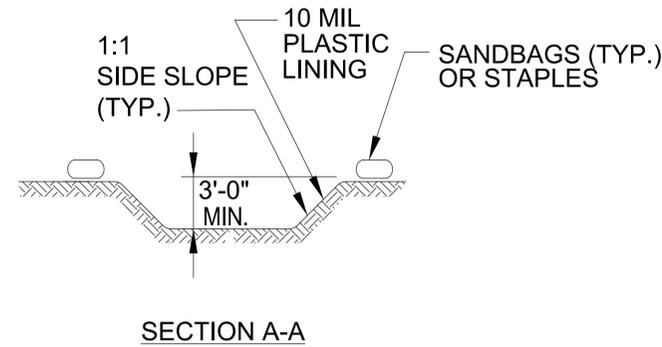
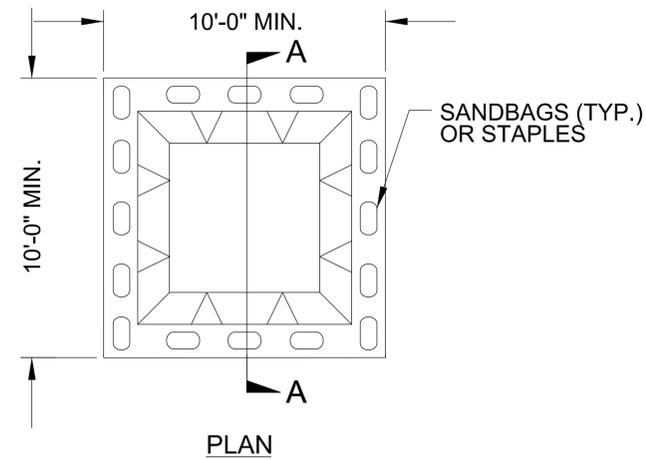
PROJECT REFERENCE NO. W03293	SHEET NO. EC-02
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

EROSION & SEDIMENT CONTROL LEGEND

<u>Std. #</u>	<u>Description</u>	<u>Symbol</u>	<u>Std. #</u>	<u>Description</u>	<u>Symbol</u>
1605.01	Temporary Silt Fence		1633.01	Temporary Rock Silt Check Type A	
1606.01	Special Sediment Control Fence		1633.02	Temporary Rock Silt Check Type B	
1622.01	Temporary Berms and Slope Drains		1633.03	Temporary Rock Silt Check Type A with Excelsior Matting and Flocculant	
1630.02	Silt Basin Type B		1634.01	Temporary Rock Sediment Dam Type A	
1630.03	Temporary Silt Ditch		1634.02	Temporary Rock Sediment Dam Type B	
1630.04	Stilling Basin		1635.01	Rock Pipe Inlet Sediment Trap Type A	
1630.05	Temporary Diversion		1635.02	Rock Pipe Inlet Sediment Trap Type B	
1630.06	Special Stilling Basin		1636.01	Excelsior Wattle Check	
1630.07	Skimmer Basin		1636.01	Excelsior Wattle Check with Flocculant	
1630.08	Tiered Skimmer Basin		1636.01	Coir Fiber Wattle Check	
1630.09	Earthen Dam with Skimmer		1636.01	Coir Fiber Wattle Check with Flocculant	
	Infiltration Basin		1636.02	Silt Fence Excelsior Wattle Break	
	Rock Inlet Sediment Trap:			Silt Fence Coir Fiber Wattle Break	
1632.01	Type A		1636.03	Excelsior Wattle Barrier	
1632.02	Type B		1636.03	Coir Fiber Wattle Barrier	
1632.03	Type C				

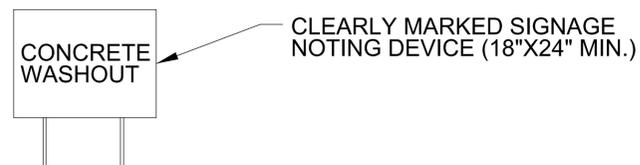
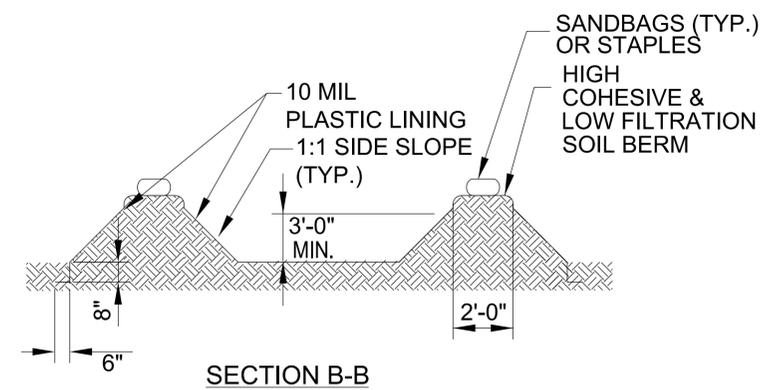
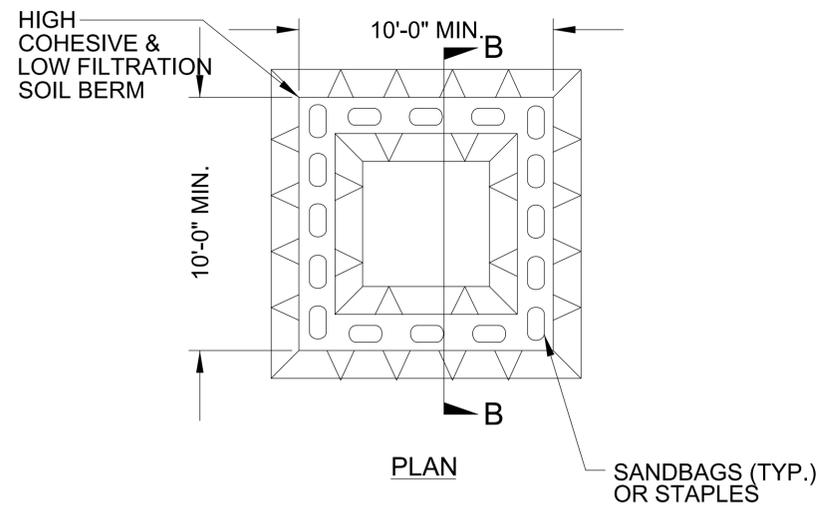
PROJECT REFERENCE NO. W03293	SHEET NO. EC-2A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER



BELOW GRADE WASHOUT STRUCTURE
NOT TO SCALE

- NOTES:**
1. ACTUAL LOCATION DETERMINED IN FIELD
 2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.
 3. CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.



ABOVE GRADE WASHOUT STRUCTURE
NOT TO SCALE

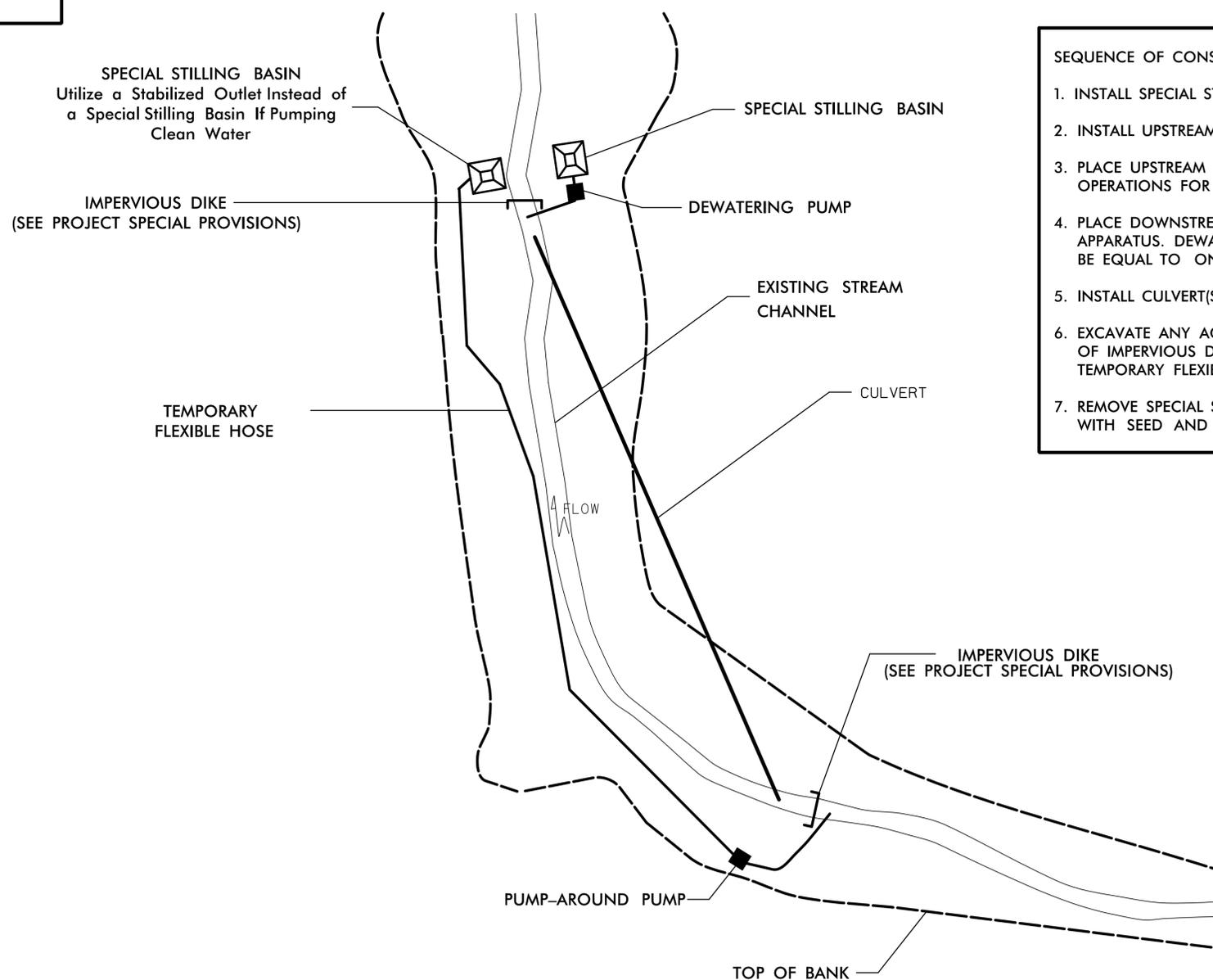
- NOTES:**
1. ACTUAL LOCATION DETERMINED IN FIELD
 2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.
 3. CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.

PROJECT REFERENCE NO. <i>W03293</i>	SHEET NO. <i>EC-2B</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

EXAMPLE OF PUMP-AROUND OPERATION

NOTES:

- 1) All excavation shall be performed in only dry or isolated areas of the work zone.
- 2) Impervious dikes are to be used to isolate work from stream flow when necessary.
- 3) Maintenance of stream flow operations shall be incidental to the work. This includes polyethylene sheeting, diversion pipes, pumps and hoses.
- 4) Pumps and hoses shall be of sufficient size to dewater the work area.



- SEQUENCE OF CONSTRUCTION FOR TYPICAL WORK AREA**
1. INSTALL SPECIAL STILLING BASIN(S).
 2. INSTALL UPSTREAM PUMP AND TEMPORARY FLEXIBLE HOSE.
 3. PLACE UPSTREAM IMPERVIOUS DIKE AND BEGIN PUMPING OPERATIONS FOR STREAM DIVERSION.
 4. PLACE DOWNSTREAM IMPERVIOUS DIKE AND PUMPING APPARATUS. DEWATER ENTRAPPED AREA. AREA TO BE DEWATERED SHALL BE EQUAL TO ONE DAY'S WORK.
 5. INSTALL CULVERT(S) IN ACCORDANCE WITH THE PLANS.
 6. EXCAVATE ANY ACCUMULATED SILT AND DEWATER BEFORE REMOVAL OF IMPERVIOUS DIKES. REMOVE IMPERVIOUS DIKES, PUMPS, AND TEMPORARY FLEXIBLE HOSE. (DOWNSTREAM IMPERVIOUS DIKES FIRST).
 7. REMOVE SPECIAL STILLING BASIN(S) AND BACKFILL. STABILIZE DISTURBED AREA WITH SEED AND MULCH.

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

PROJECT REFERENCE NO. W03293	SHEET NO. EC-3
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

SOIL STABILIZATION TIMEFRAMES

<i>SITE DESCRIPTION</i>	<i>STABILIZATION TIME</i>	<i>TIMEFRAME EXCEPTIONS</i>
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 TO 4:1	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH WITH SLOPES STEEPER THAN 4:1. 7 DAYS FOR PERIMETER DIKES, SWALES, DITCHES PERIMETER SLOPES, AND HQW ZONES
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	7 DAYS FOR PERIMETER DIKES, SWALES, DITCHES PERIMETER SLOPES, AND HQW ZONES

PROJECT REFERENCE NO. W03293	SHEET NO. EC-05/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	

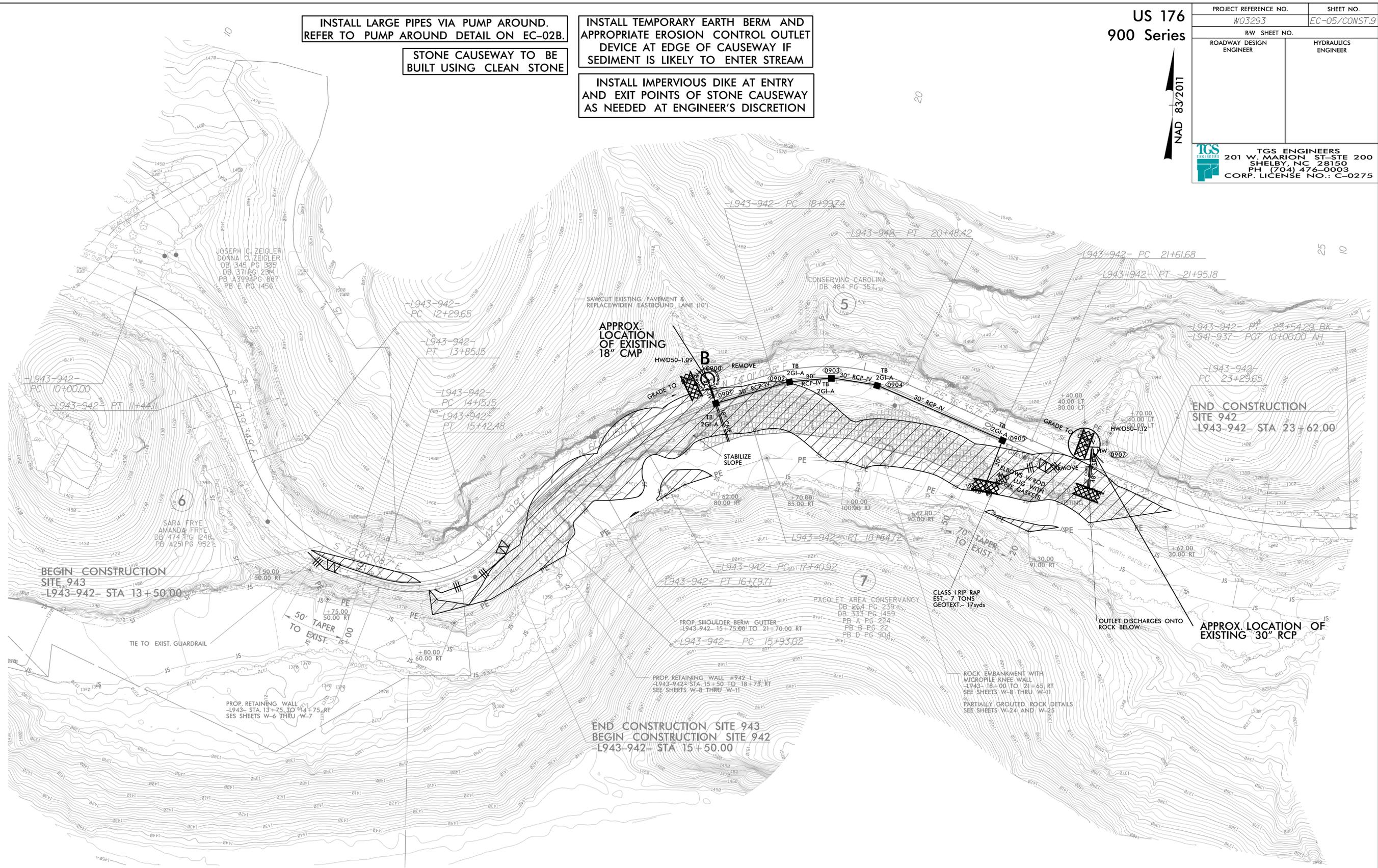


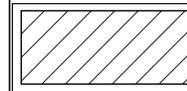
INSTALL LARGE PIPES VIA PUMP AROUND.
REFER TO PUMP AROUND DETAIL ON EC-02B.

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

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



 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 9

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.

US 176
900 Series

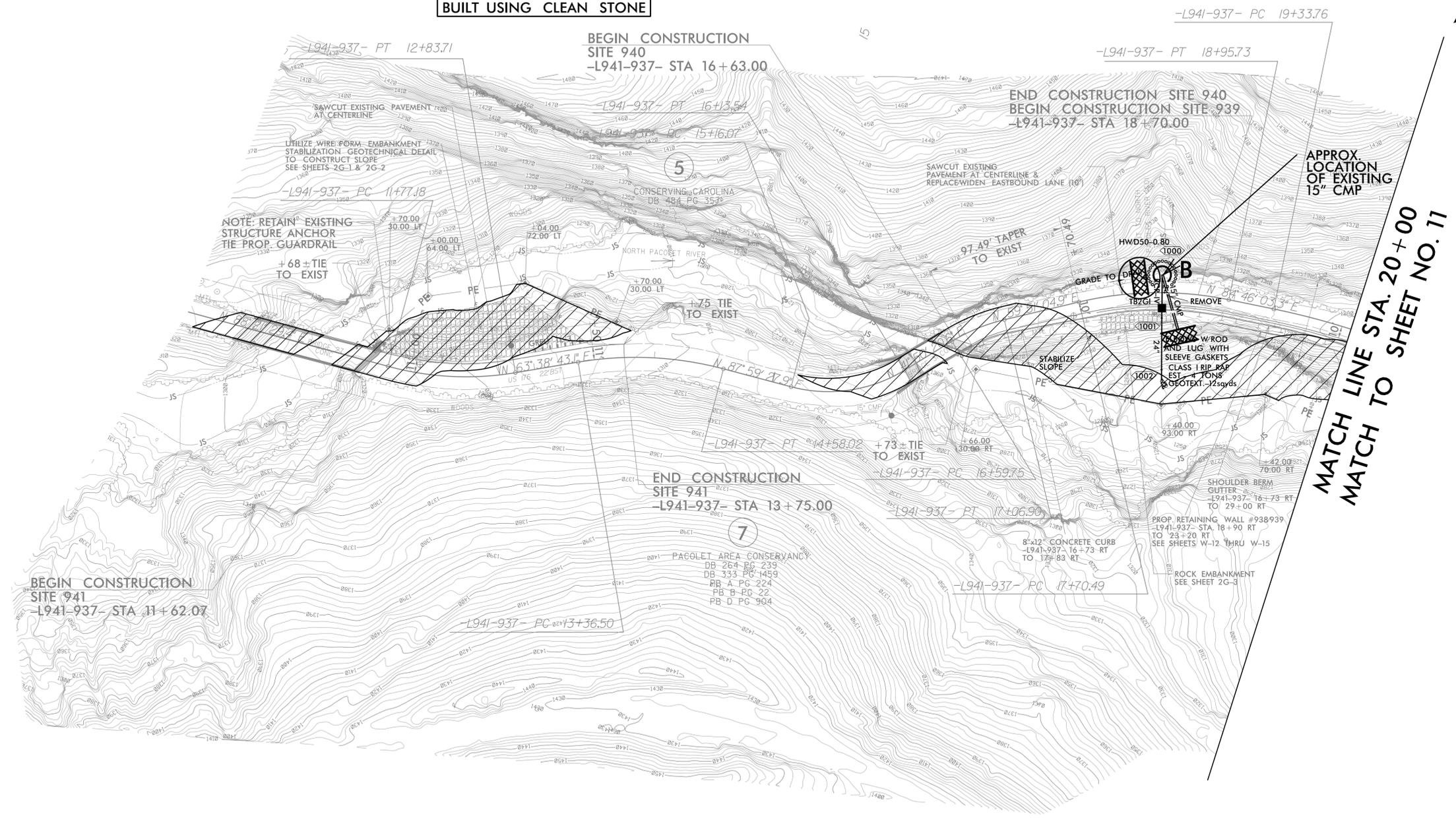


PROJECT REFERENCE NO. W03293	SHEET NO. EC-06/CONST.10
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
 TGS ENGINEERS 201 W. MARION ST-STE 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	

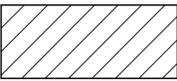
INSTALL TEMPORARY EARTH BERM AND APPROPRIATE EROSION CONTROL OUTLET DEVICE AT EDGE OF CAUSEWAY IF SEDIMENT IS LIKELY TO ENTER STREAM

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

STONE CAUSEWAY TO BE BUILT USING CLEAN STONE



MATCH LINE STA. 20+00
MATCH TO SHEET NO. 11

	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 10
---	--	--	---

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

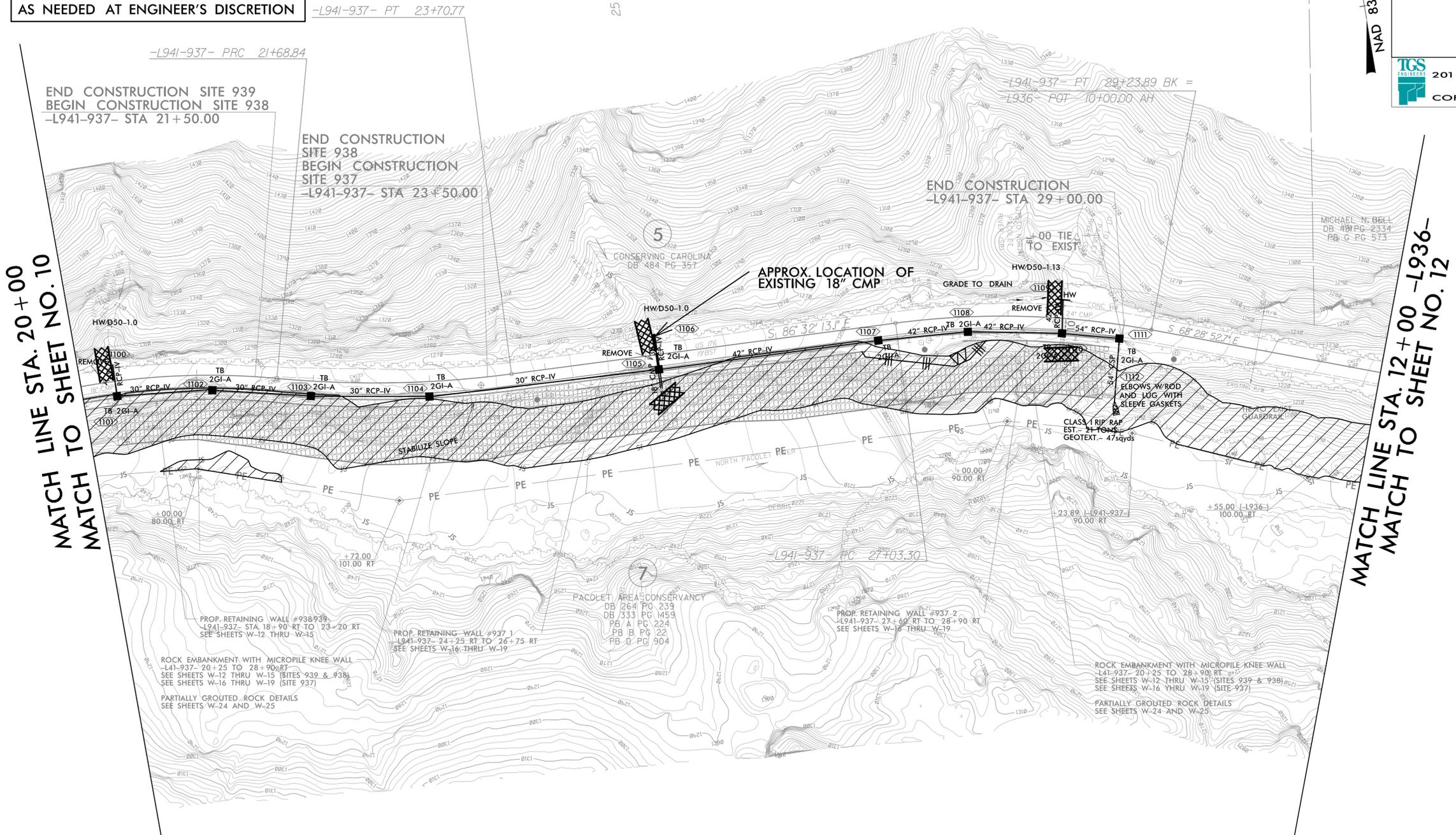
INSTALL LARGE PIPES VIA PUMP AROUND. REFER TO PUMP AROUND DETAIL ON EC-02B.

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

US 176
900 Series

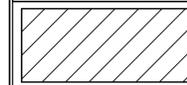
PROJECT REFERENCE NO. W03293	SHEET NO. EC-07/CONST.II
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
 TGS ENGINEERS 201 W. MARION ST. STE 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	



MATCH LINE STA. 20+00
MATCH TO SHEET NO. 10

MATCH LINE STA. 12+00 -L936-
MATCH TO SHEET NO. 12

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 11

 ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

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

PROJECT REFERENCE NO. W03293	SHEET NO. EC-09/CONST.8
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	

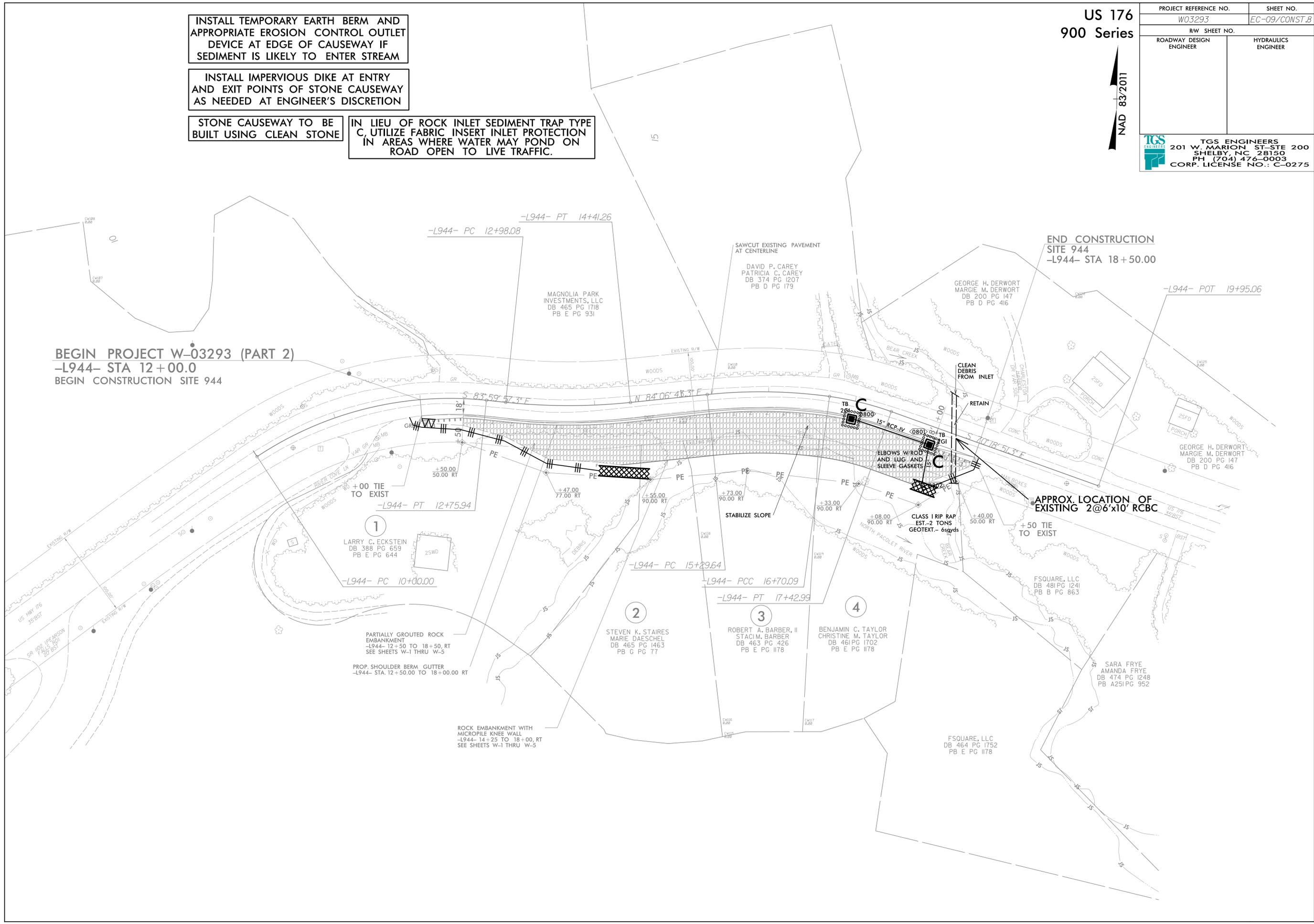


INSTALL TEMPORARY EARTH BERM AND APPROPRIATE EROSION CONTROL OUTLET DEVICE AT EDGE OF CAUSEWAY IF SEDIMENT IS LIKELY TO ENTER STREAM

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

STONE CAUSEWAY TO BE BUILT USING CLEAN STONE

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.



BEGIN PROJECT W-03293 (PART 2)
-L944- STA 12+00.0
BEGIN CONSTRUCTION SITE 944

END CONSTRUCTION
SITE 944
-L944- STA 18+50.00

1
LARRY C. ECKSTEIN
DB 388 PG 659
PB E PG 644

2
STEVEN K. STAIRES
MARIE DAESCHEL
DB 465 PG 1463
PB G PG 77

3
ROBERT A. BARBER, II
STACIM. BARBER
DB 463 PG 426
PB E PG 1178

4
BENJAMIN C. TAYLOR
CHRISTINE M. TAYLOR
DB 461 PG 1702
PB E PG 1178

SARA FRYE
AMANDA FRYE
DB 474 PG 1248
PB A251 PG 952

FSQUARE, LLC
DB 464 PG 1752
PB E PG 1178

PROJECT REFERENCE NO. W03293	SHEET NO. EC-10/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

NAD 83/2011

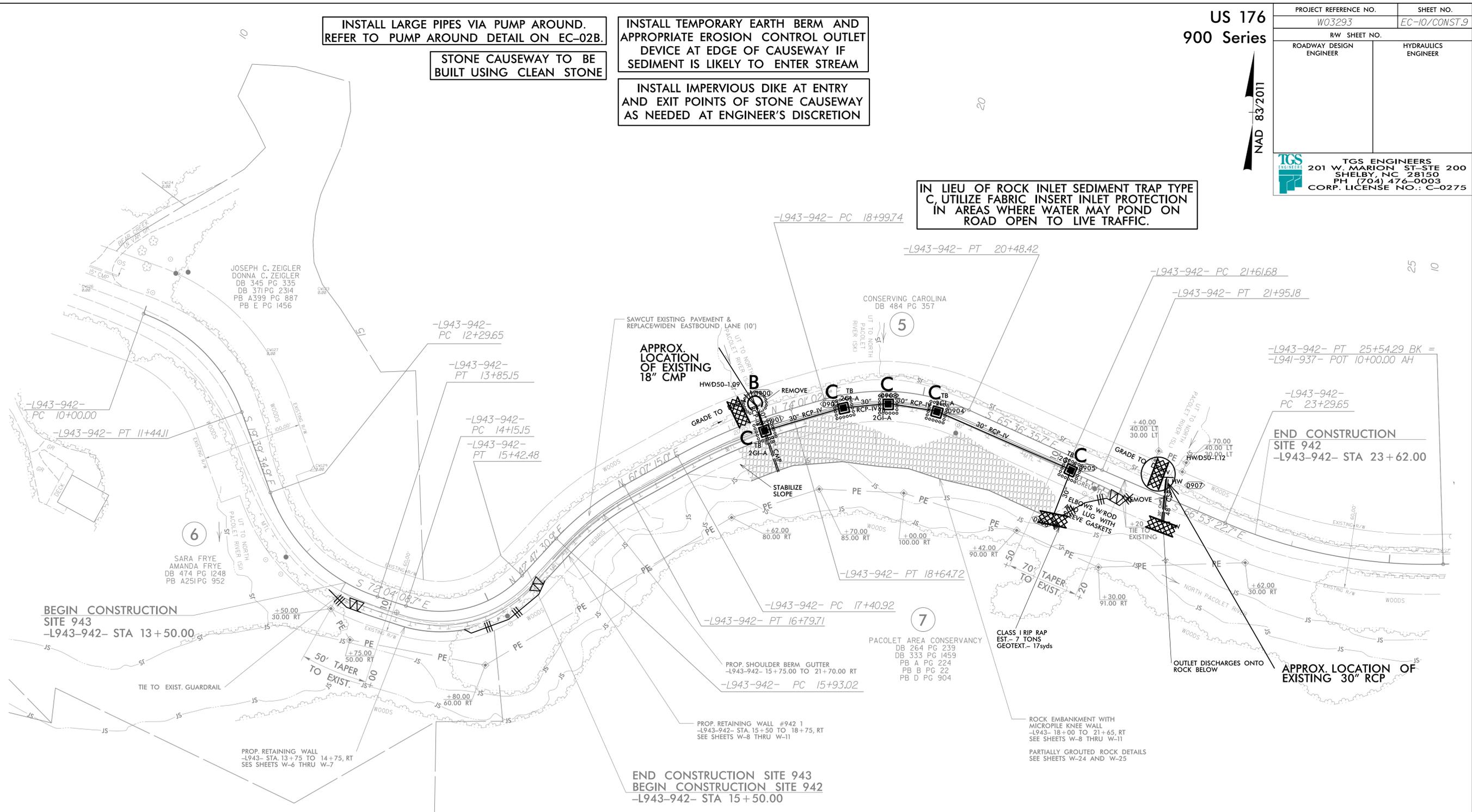
INSTALL LARGE PIPES VIA PUMP AROUND.
REFER TO PUMP AROUND DETAIL ON EC-02B.

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

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

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.



BEGIN CONSTRUCTION
SITE 943
-L943-942- STA 13+50.00

END CONSTRUCTION SITE 943
BEGIN CONSTRUCTION SITE 942
-L943-942- STA 15+50.00

END CONSTRUCTION
SITE 942
-L943-942- STA 23+62.00

APPROX. LOCATION OF
EXISTING 30" RCP

APPROX.
LOCATION
OF EXISTING
18" CMP

OUTLET DISCHARGES ONTO
ROCK BELOW

JOSEPH C. ZEIGLER
DONNA C. ZEIGLER
DB 345 PG 335
DB 371 PG 2314
PB A399 PG 887
PB E PG 1456

SARA FRYE
AMANDA FRYE
DB 474 PG 1248
PB A251 PG 952

CONSERVING CAROLINA
DB 484 PG 357

PACOLET AREA CONSERVANCY
DB 264 PG 239
DB 333 PG 1459
PB A PG 224
PB B PG 22
PB D PG 904

CLASS 1 RIP RAP
EST. - 7 TONS
GEOTEXT. - 17syds

PROP. RETAINING WALL #942 1
-L943-942- STA. 15+50 TO 18+75, RT
SEE SHEETS W-8 THRU W-11

ROCK EMBANKMENT WITH
MICROPILE KNEE WALL
-L943- 18+00 TO 21+65, RT
SEE SHEETS W-8 THRU W-11

PROP. RETAINING WALL
-L943- STA. 13+75 TO 14+75, RT
SES SHEETS W-6 THRU W-7

PROP. SHOULDER BERM GUTTER
-L943-942- 15+75.00 TO 21+70.00 RT
-L943-942- PC 15+93.02

TIE TO EXIST. GUARDRAIL

50' TAPER
TO EXIST.

70' TAPER
TO EXIST.

ELBOWS W/ROD
AND LUG WITH
GASKETS

STABILIZE
SLOPE

SAWCUT EXISTING PAVEMENT &
REPLACE/WIDEN EASTBOUND LANE (10')

-L943-942-
PC 10+00.00

-L943-942- PT 11+44.11

-L943-942-
PC 12+29.65

-L943-942-
PT 13+85.15

-L943-942-
PC 14+15.15

-L943-942-
PT 15+42.48

-L943-942- PC 18+99.74

-L943-942- PT 20+48.42

-L943-942- PC 21+61.68

-L943-942- PT 21+95.18

-L943-942- PT 25+54.29 BK =
-L941-937- POT 10+00.00 AH

-L943-942-
PC 23+29.65

-L943-942- PT 18+64.72

-L943-942- PC 17+40.92

-L943-942- PT 16+79.71

-L943-942- PT 18+64.72

+42.00
90.00 RT

+30.00
91.00 RT

+42.00
90.00 RT

US 176
900 Series

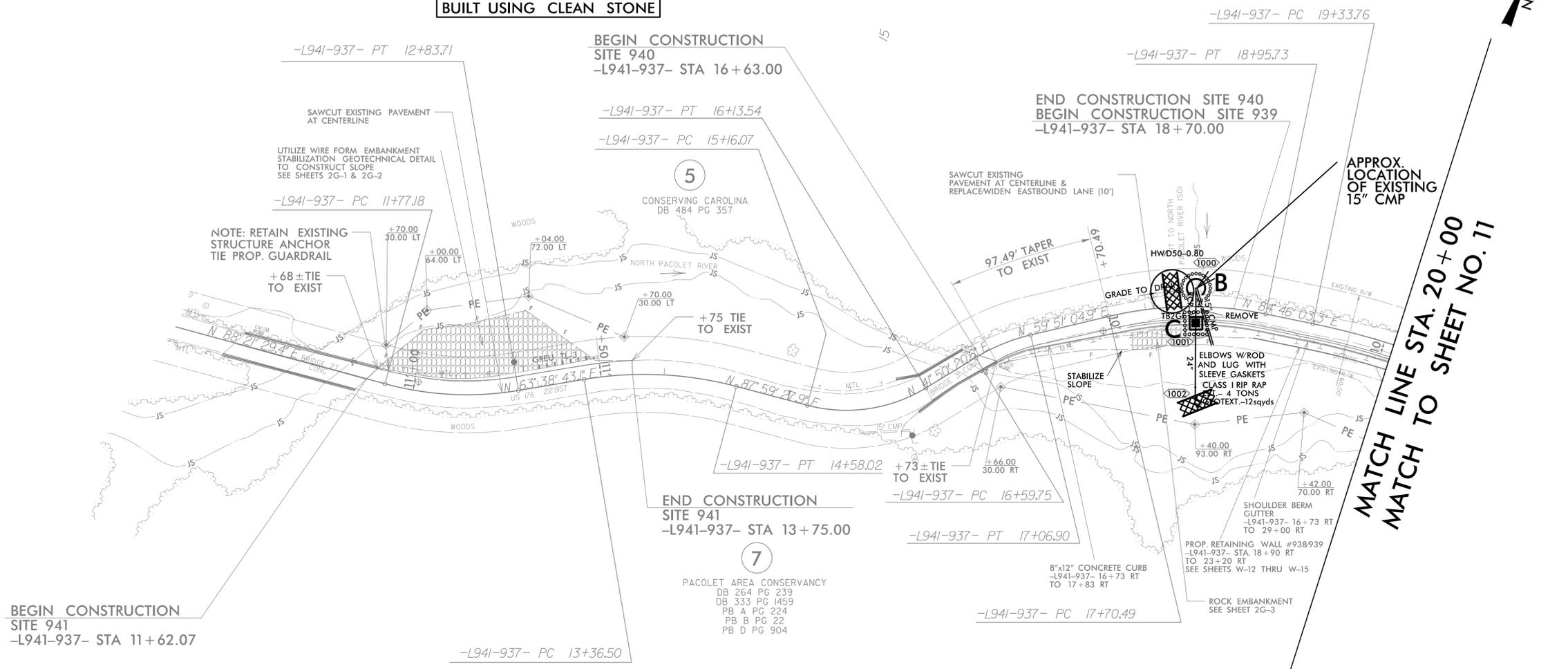
PROJECT REFERENCE NO. W03293	SHEET NO. EC-II/CONST.10
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
 TGS ENGINEERS 201 W. MARION ST. STE 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	

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

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

STONE CAUSEWAY TO BE BUILT USING CLEAN STONE



APPROX. LOCATION OF EXISTING 15" CMP
MATCH LINE STA. 20+00
MATCH TO SHEET NO. 11

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

INSTALL LARGE PIPES VIA PUMP AROUND. REFER TO PUMP AROUND DETAIL ON EC-02B.

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.

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

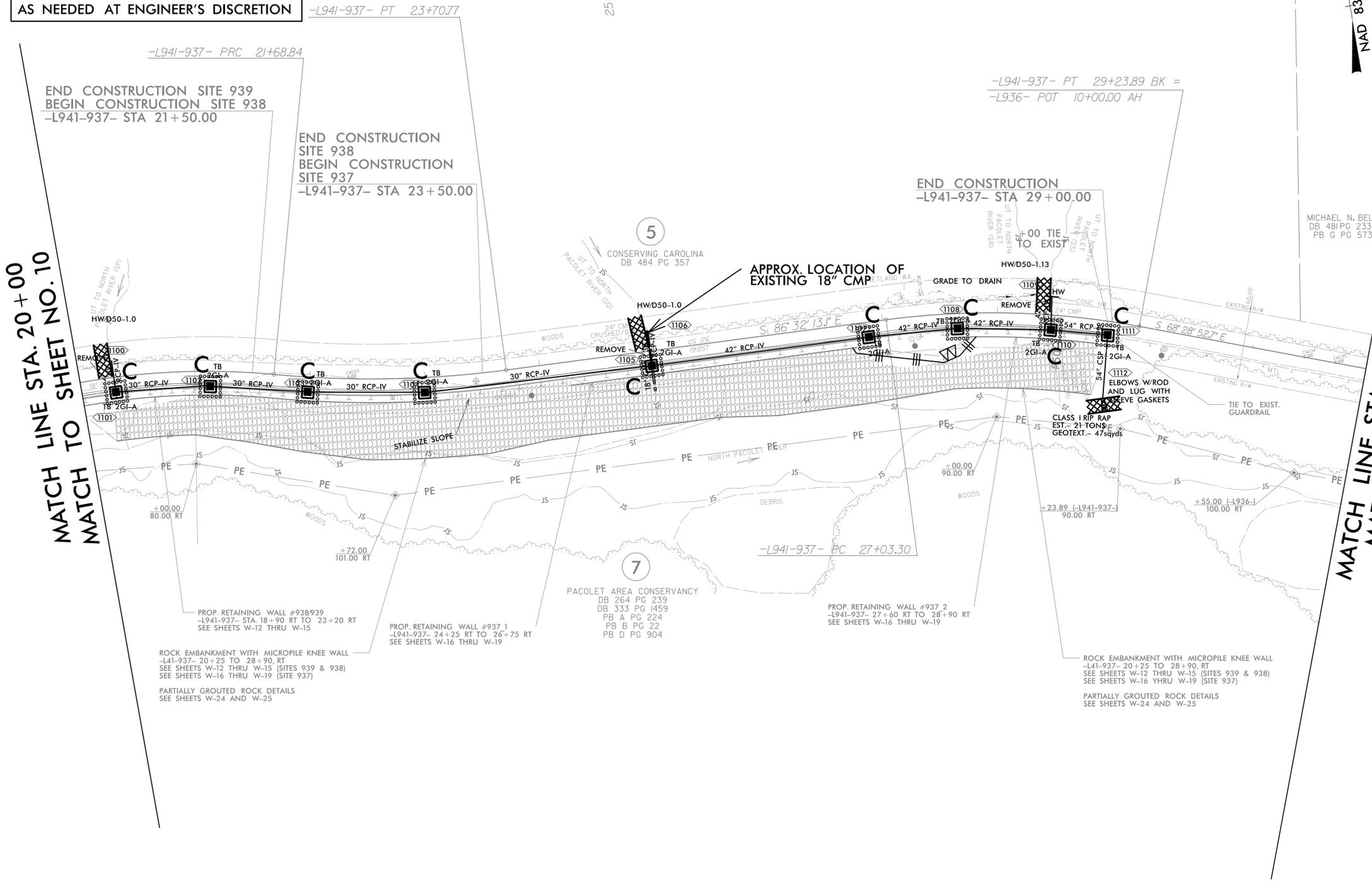
US 176
900 Series

PROJECT REFERENCE NO. W03293	SHEET NO. EC-12/CONST.II
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. 20+00
MATCH TO SHEET NO. 10

MATCH LINE STA. 12+00 -L936-
MATCH TO SHEET NO. 12



END CONSTRUCTION SITE 939
BEGIN CONSTRUCTION SITE 938
-L941-937- STA 21+50.00

END CONSTRUCTION SITE 938
BEGIN CONSTRUCTION SITE 937
-L941-937- STA 23+50.00

END CONSTRUCTION
-L941-937- STA 29+00.00

-L941-937- PRC 21+68.84

-L941-937- PT 23+70.77

-L941-937- PT 29+23.89 BK =
-L936- POT 10+00.00 AH

APPROX. LOCATION OF EXISTING 18" CMP

PROP. RETAINING WALL #938/939
-L941-937- STA. 18+90 RT TO 23+20 RT
SEE SHEETS W-12 THRU W-15

PROP. RETAINING WALL #937.1
-L941-937- 24+25 RT TO 26+75 RT
SEE SHEETS W-16 THRU W-19

PACOLET AREA CONSERVANCY
DB 264 PG 239
DB 333 PG 1459
PB A PG 224
PB B PG 22
PB D PG 904

PROP. RETAINING WALL #937.2
-L941-937- 27+60 RT TO 28+90 RT
SEE SHEETS W-16 THRU W-19

ROCK EMBANKMENT WITH MICROPILE KNEE WALL
-L41-937- 20+25 TO 28+90 RT
SEE SHEETS W-12 THRU W-15 (SITES 939 & 938)
SEE SHEETS W-16 THRU W-19 (SITE 937)

PARTIALLY GROUTED ROCK DETAILS
SEE SHEETS W-24 AND W-25

ROCK EMBANKMENT WITH MICROPILE KNEE WALL
-L41-937- 20+25 TO 28+90 RT
SEE SHEETS W-12 THRU W-15 (SITES 939 & 938)
SEE SHEETS W-16 THRU W-19 (SITE 937)

PARTIALLY GROUTED ROCK DETAILS
SEE SHEETS W-24 AND W-25

MICHAEL N. BELL
DB 481 PG 2334
PB G PG 573

US 176
900 Series



PROJECT REFERENCE NO. W03293		SHEET NO. EC-13/CONST.12	
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			

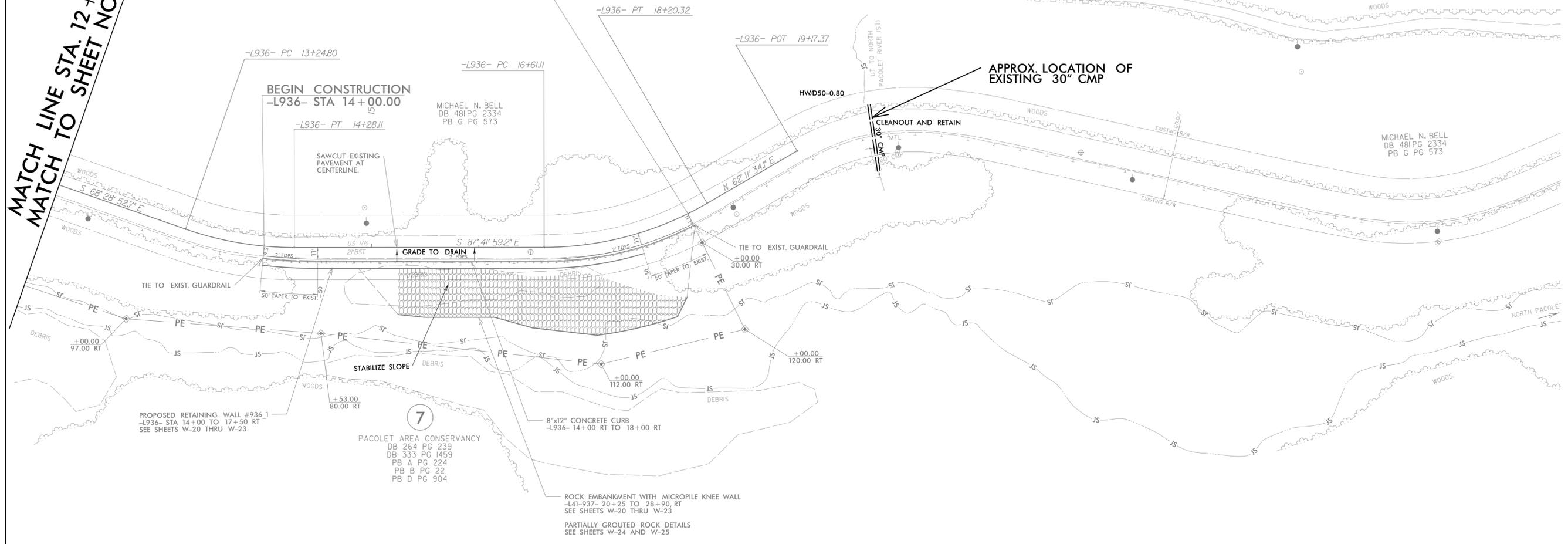
INSTALL TEMPORARY EARTH BERM AND APPROPRIATE EROSION CONTROL OUTLET DEVICE AT EDGE OF CAUSEWAY IF SEDIMENT IS LIKELY TO ENTER STREAM

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

STONE CAUSEWAY TO BE BUILT USING CLEAN STONE

MATCH LINE STA. 12+00
MATCH TO SHEET NO. 11

END W-03293
-L936- STA 18+00.0
END CONSTRUCTION SITE 936



MICHAEL N. BELL
DB 481 PG 2334
PB G PG 573

MICHAEL N. BELL
DB 481 PG 2334
PB G PG 573

7
PACOLET AREA CONSERVANCY
DB 264 PG 239
DB 333 PG 1459
PB A PG 224
PB B PG 22
PB D PG 904

ROCK EMBANKMENT WITH MICROPILE KNEE WALL
-L41-937- 20+25 TO 28+90, RT
SEE SHEETS W-20 THRU W-23
PARTIALLY GROUTED ROCK DETAILS
SEE SHEETS W-24 AND W-25