

**This electronic collection of documents is provided
for the convenience of the user
and is Not a Certified Document –**

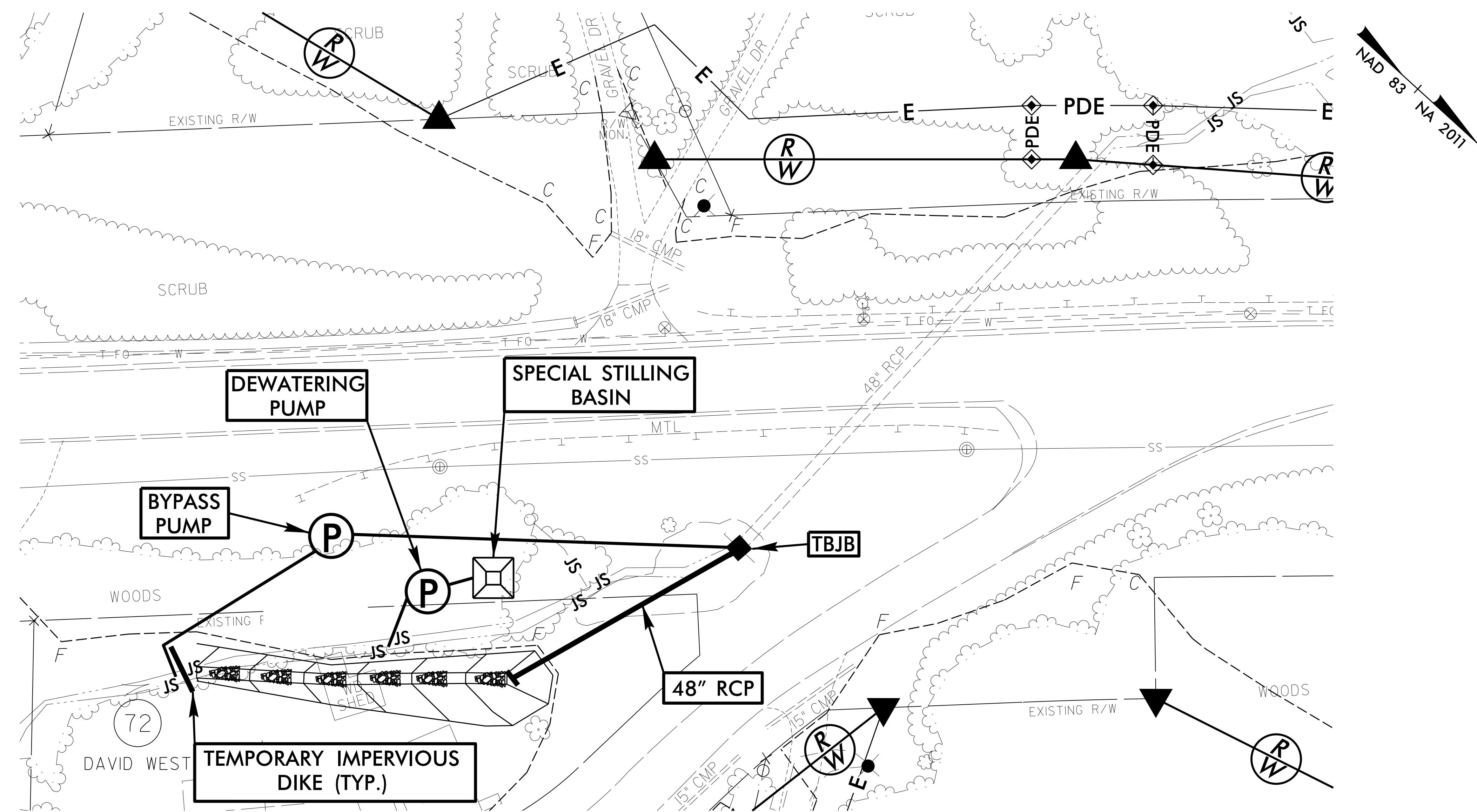
**The documents contained herein were originally issued
and sealed by the individuals whose names and license
numbers appear on each page, on the dates appearing
with their signature on that page.**

**This file or an individual page
shall not be considered a certified document.**

PIPE CONSTRUCTION SEQUENCE STA. 148 + 51 -L-

1. INSTALL SPECIAL STILLING BASIN IN DESIRED LOCATION.
2. INSTALL BYPASS PUMP WITH TEMPORARY FLEXIBLE HOSE.
3. INSTALL UPSTREAM IMPERVIOUS DIKE AND BEGIN PUMPING OPERATIONS FOR STREAM DIVERSION.
4. PUMP IMPOUNDED BASE FLOW WITH DEWATERING PUMP THROUGH SPECIAL STILLING BASIN.
5. REMOVE HEADWALL OF EX. 48" RCP.
6. INSTALL TRAFFIC BEARING JUNCTION BOX (TBJB) AT INLET OF EX. 48" RCP, AND CONSTRUCT UPSTREAM PIPE EXTENSION AND HEADWALL.
7. CONSTRUCT PERMANENT CHANNEL CHANGE WITH CLASS I RIP RAP (4 FT. BASE, 1.7 FT. DEPTH, 2:1 SIDE SLOPE).
8. REMOVE IMPERVIOUS DIKES, SPECIAL STILLING BASIN, AND PUMP DIVERSION.
9. COMPLETE ROADWAY CONSTRUCTION.

NOTE: THE CONTRACTOR SHALL NOT PUMP SEDIMENT-LADEN WATER DIRECTLY INTO STREAM.



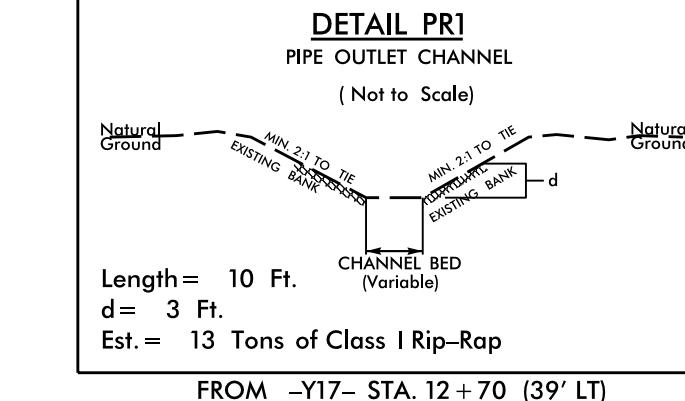
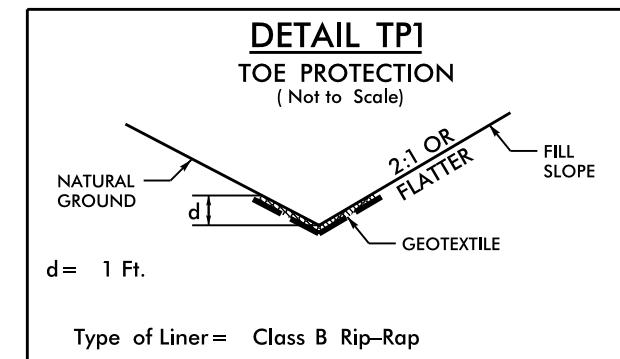
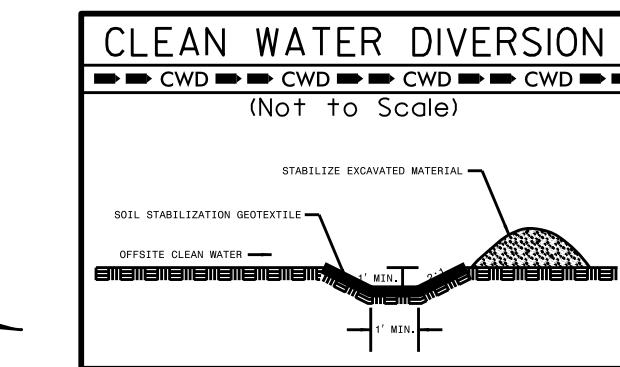
NOTE:
INSTALL PIPE(S) IN JURISDICTIONAL AREA WITHOUT IMPACTING STREAM UNTIL
AREA STABILIZED AND ACCORDING TO NCDOT BEST MANAGEMENT PRACTICES
FOR CONSTRUCTION AND MAINTENANCE ACTIVITIES MANUAL.

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION DEVICE IN LIEU
OF ROCK INLET SEDIMENT TRAP TYPE-C AT LOCATIONS
WHERE THEY CANNOT BE INSTALLED CORRECTLY OR IMPOUND
WATER ON ACTIVE TRAVEL LANES

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

NOTE:
PERIMETER EROSION CONTROL MEASURES SHALL BE
INSTALLED DURING CLEARING AND GRUBBING PHASE.

PARCELS 78 & 79 DETERMINED ELIGIBLE FOR LISTING
ON NATIONAL REGISTER OF HISTORIC PLACES



PCC Sta. 11+04.28
N 4° 08' 42.8" W

PT Sta. 11+81.31

PC Sta. 12+51.31

PT Sta. 13+46.18

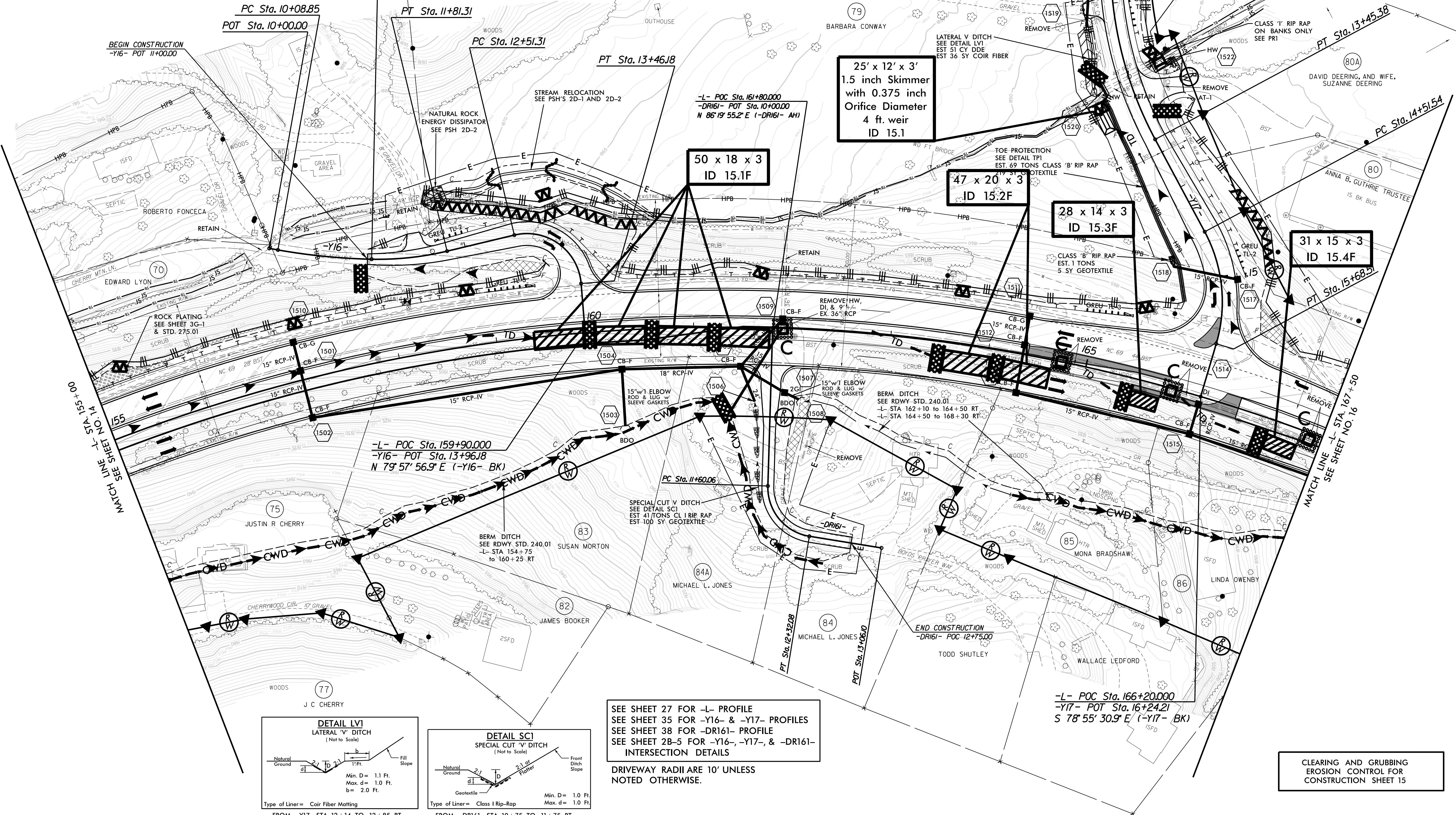
25' x 12' x 3'
1.5 inch Skimmer
with 0.375 inch
Orifice Diameter
4 ft. weir
ID 15.1

50 x 18 x 3
ID 15.1F

47 x 20 x 3
ID 15.2F

28 x 14 x 3
ID 15.3F

31 x 15 x 3
ID 15.4F



PROJECT REFERENCE NO. A-00101	SHEET NO. EC-18/CONST.J5
RW SHEET NO. ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
WESTON & SAMPSON TM WE of North Carolina, PC 598 East Chatham Street Suite 137 Cary, NC 27511 Phone: 919.297.0220	NC License: C-4847 Cary, NC 27511 Fax: 919.297.0221

CULVERT CONSTRUCTION SEQUENCE STA. 179 + 58 -L-

PHASE I

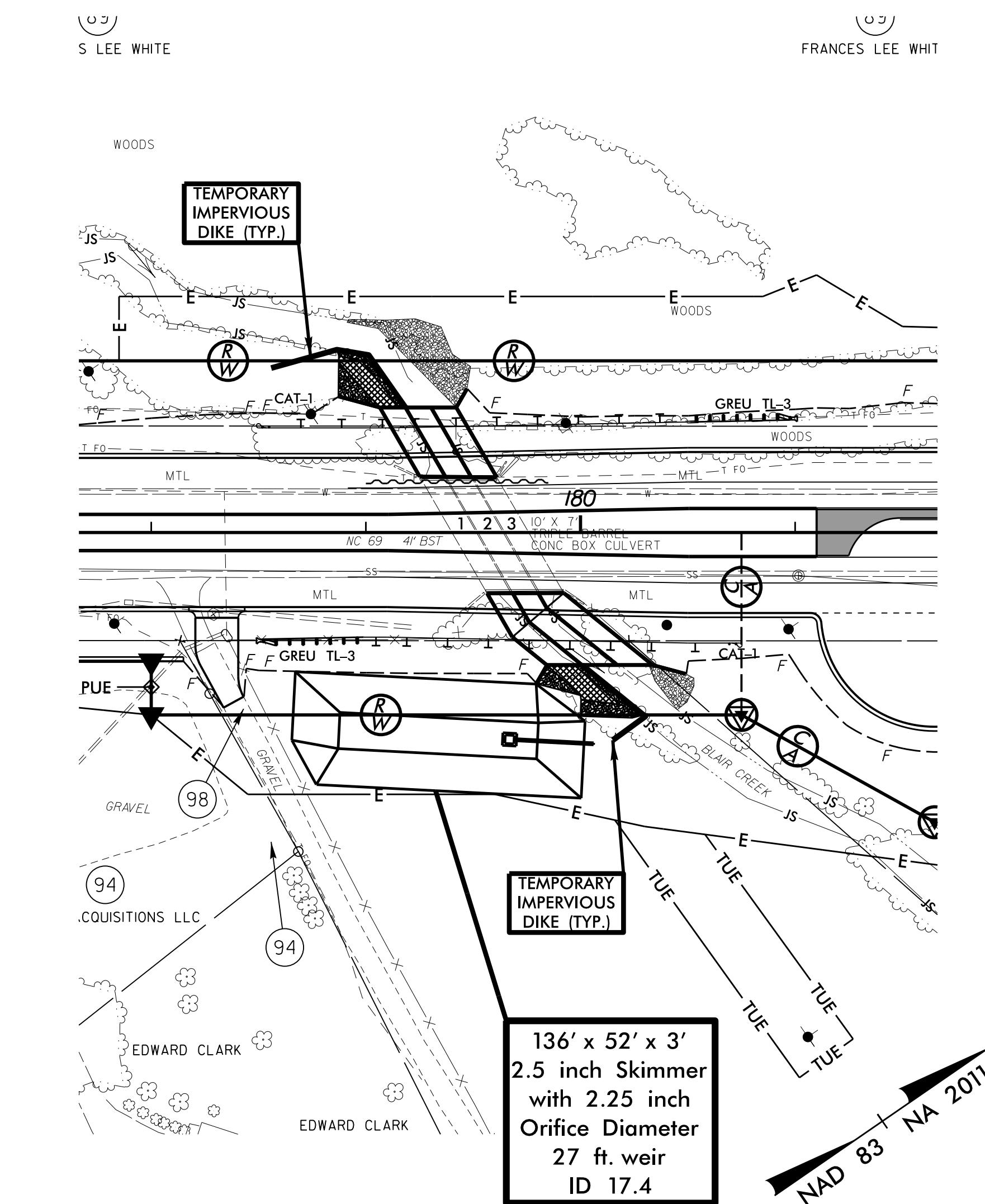
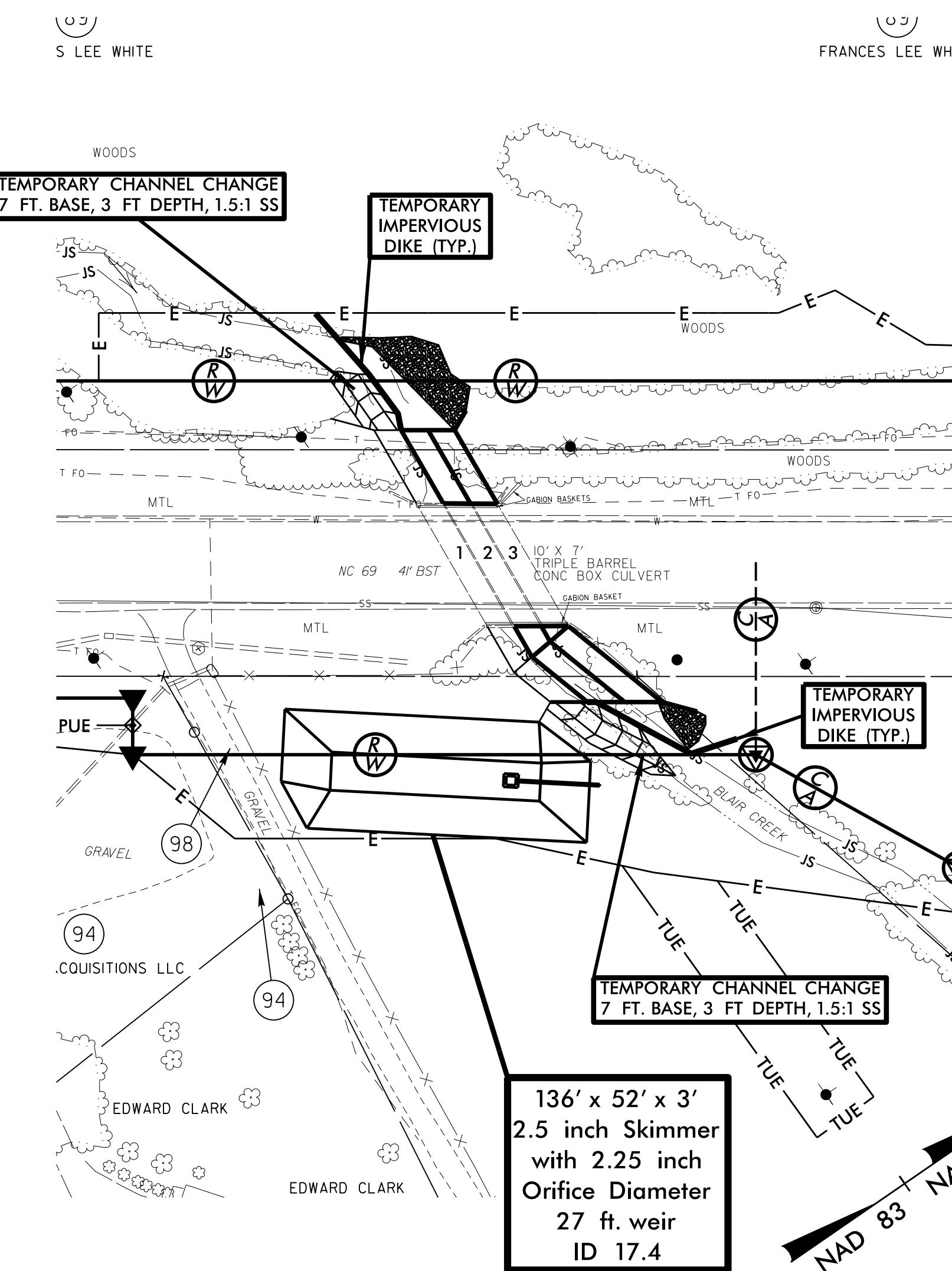
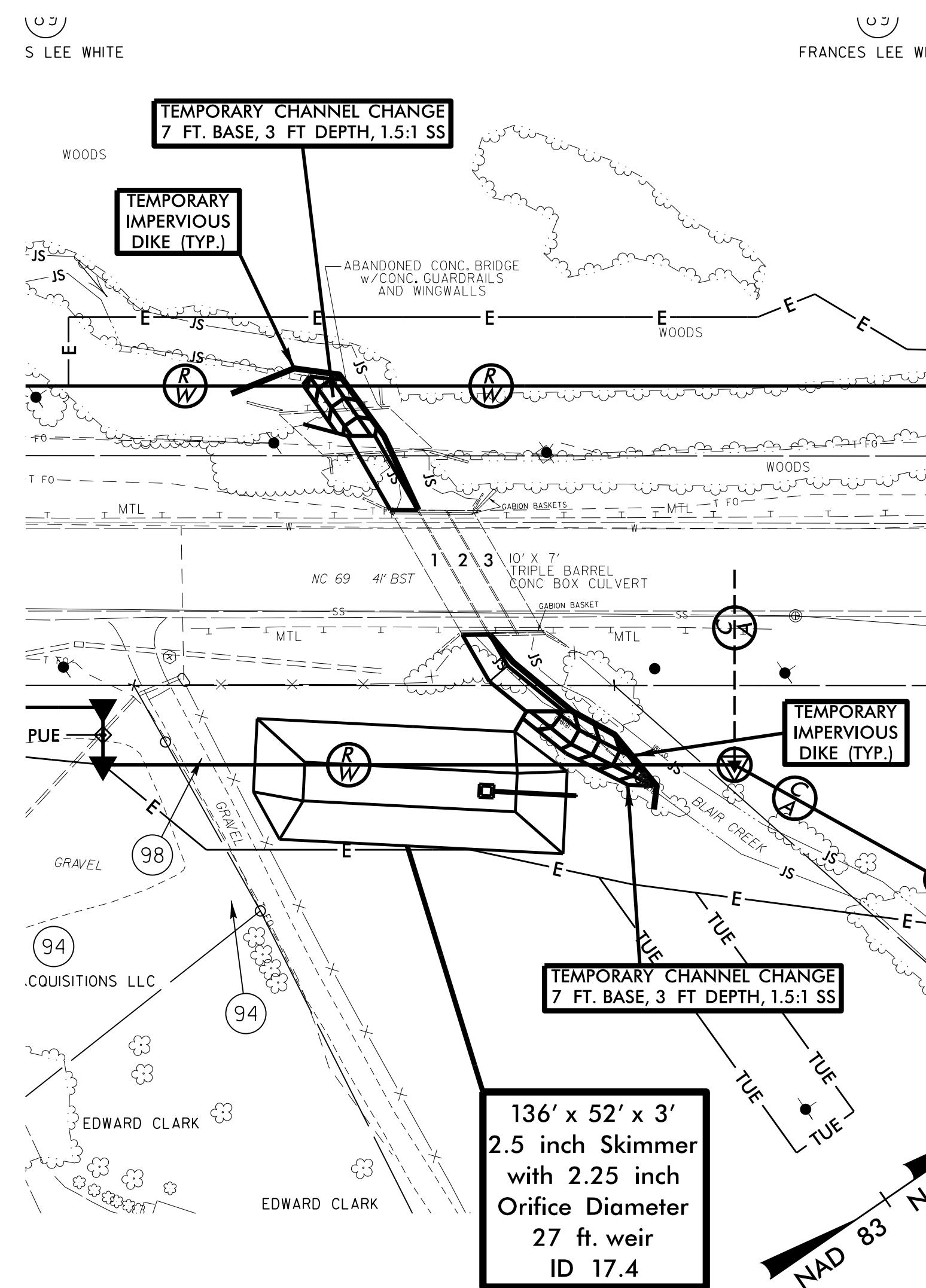
- PLACE SKIMMER BASIN 17.4 (136' X52' X3') IN LOCATION AS SHOWN AND USE AS STILLING BASIN FOR DURATION OF CULVERT CONSTRUCTION.
- REMOVE UPSTREAM ABANDONED BRIDGE DECK AND ABUTMENTS
- INSTALL TEMPORARY IMPERVIOUS DIKES AS SHOWN. MAINTAIN FLOW IN EXISTING BARRELS 2 AND 3.
- PUMP IMPOUNDED FLOW TO SKIMMER BASIN 17.4
- REMOVE EXISTING HEADWALLS AND GABION BASKETS AS NEEDED FOR UPSTREAM AND DOWNSTREAM EXTENSIONS OF BARREL 1.
- CONSTRUCT BOTH UPSTREAM AND DOWNSTREAM EXTENSIONS FOR BARREL 1.
- AS ALLOWED, CONSTRUCT PORTIONS OF UPSTREAM AND DOWNSTREAM PROPOSED HEADWALL.
- CONSTRUCT TEMPORARY CHANNEL CHANGE WITH LINER (7 FT. BASE, 3 FT. DEPTH, 1.5:1 SIDE SLOPES) FOR USE IN PHASE II.

PHASE II

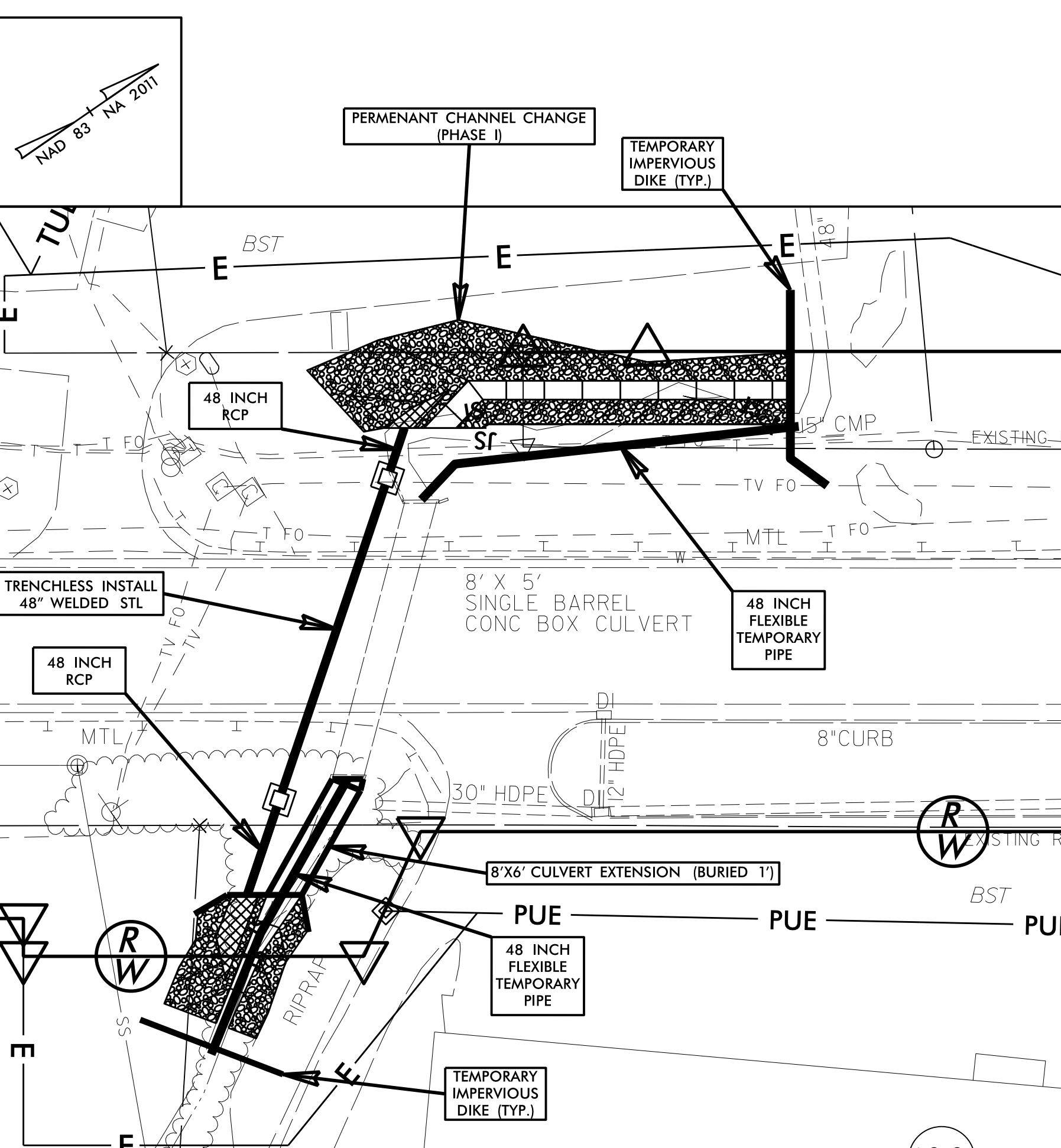
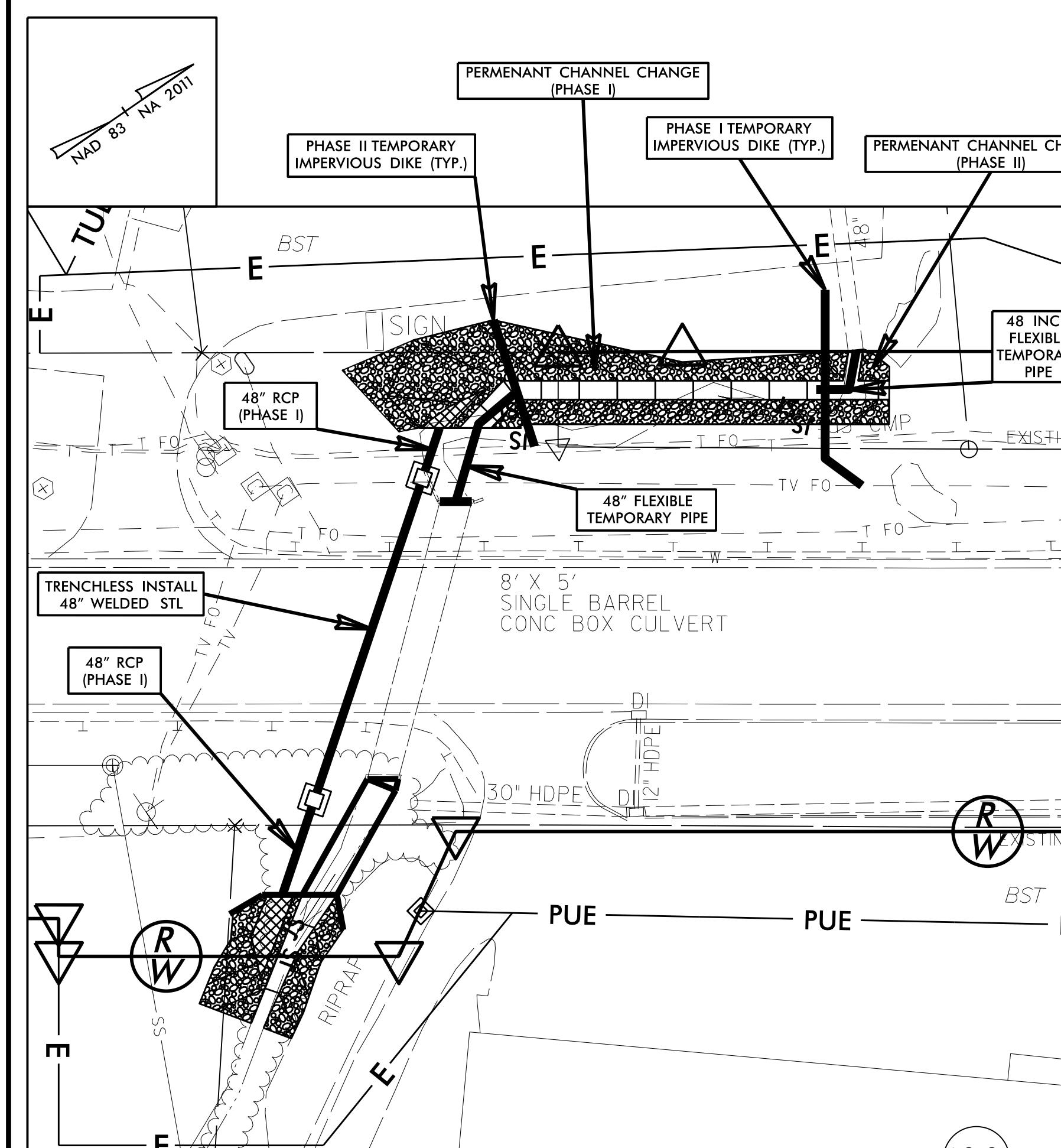
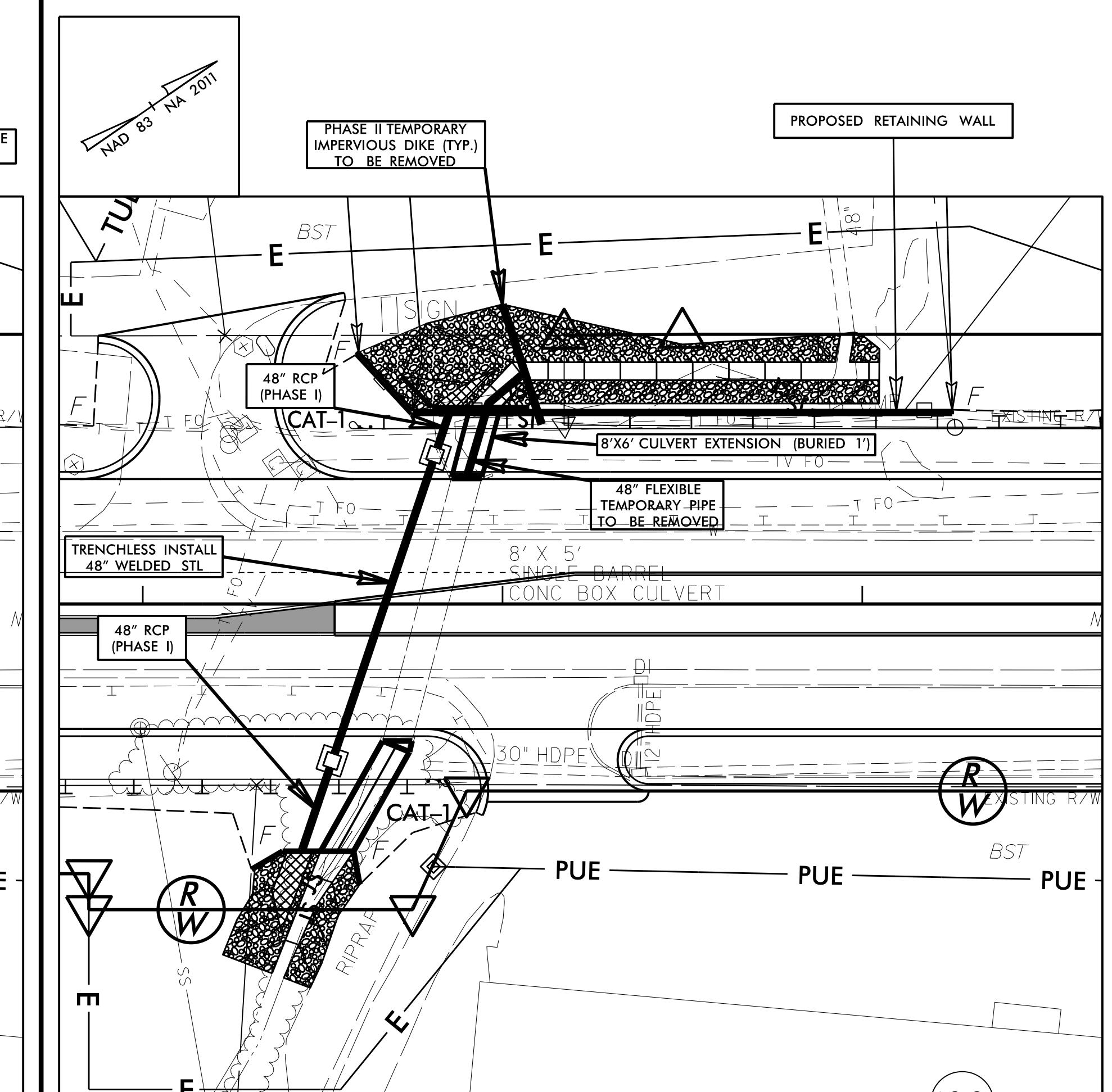
- REMOVE PHASE I IMPERVIOUS DIKES.
- INSTALL TEMPORARY IMPERVIOUS DIKES AS SHOWN AND DIVERT FLOW TO BARREL 1 THROUGH TEMPORARY CHANNEL CHANGE CREATED IN PHASE I.
- PUMP IMPOUNDED FLOW TO SKIMMER BASIN 17.4.
- REMOVE REMAINDER OF EXISTING UPSTREAM AND DOWNSTREAM HEADWALLS AND GABION BASKETS ON BARRELS 2 AND 3.
- CONSTRUCT UPSTREAM AND DOWNSTREAM EXTENSIONS FOR BARRELS 2 AND 3.
- INSTALL UPSTREAM AND DOWNSTREAM RIP RAP CHANNEL IMPROVEMENTS AND BANK STABILIZATIONS ON NORTH BANKS OF BLAIR CREEK ACCORDING TO NCDOT'S BEST MANAGEMENT PRACTICES FOR CONSTRUCTION AND MAINTENANCE ACTIVITIES MANUAL.
- COMPLETE ROADWAY CONSTRUCTION AND REMOVE SKIMMER BASIN 17.4 AFTER COMPLETION OF CONSTRUCTION OR AT ENGINEER'S DISCRETION.

PHASE III

- REMOVE PHASE II IMPERVIOUS DIKES.
- INSTALL PHASE III TEMPORARY IMPERVIOUS DIKES AS SHOWN TO ALLOW FOR CONSTRUCTION OF BARREL 1 FLOODPLAIN BENCHES.
- PUMP IMPOUNDED FLOW TO SKIMMER BASIN 17.4.
- REMOVE PHASE II UPSTREAM AND DOWNSTREAM CHANNEL CHANGES.
- CONSTRUCT BARREL 1 FLOODPLAIN BENCHES ACCORDING TO NCDOT'S BEST MANAGEMENT PRACTICES FOR CONSTRUCTION AND MAINTENANCE ACTIVITIES MANUAL.
- REMOVE IMPERVIOUS DIKES AND DIVERT FLOW UNDER NORMAL CONDITIONS THROUGH EXTENDED CULVERT
- COMPLETE ROADWAY CONSTRUCTION AND REMOVE SKIMMER BASIN 17.4 AFTER COMPLETION OF CONSTRUCTION OR AT ENGINEER'S DISCRETION.

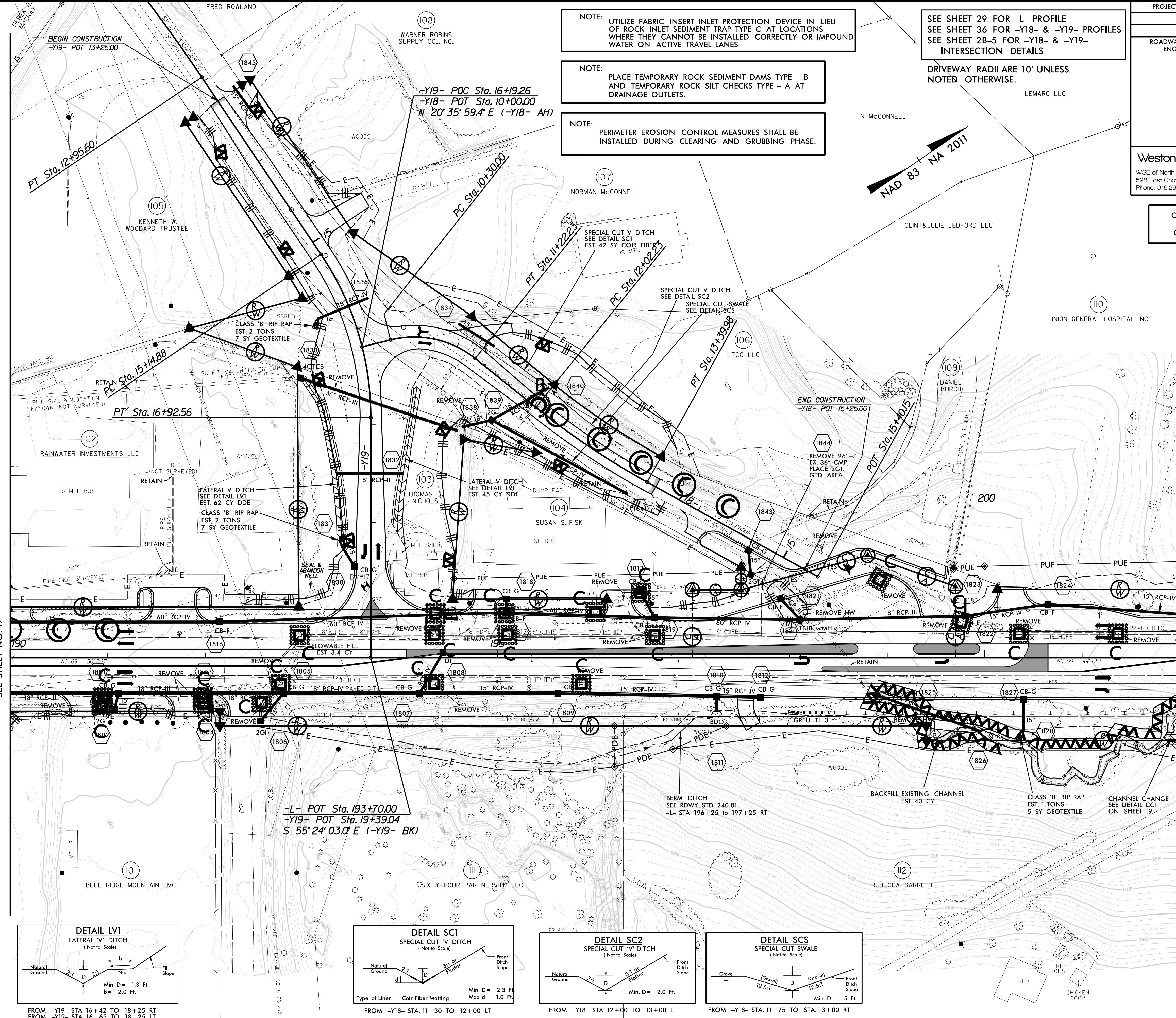


CULVERT CONSTRUCTION SEQUENCE STA. 186 + 81 -L-

PHASE I	PHASE II	PHASE III
<p>1. PLACE SPECIAL STILLING BASIN IN DESIRED LOCATION. UTILIZE FOR DURATION OF CONSTRUCTION</p> <p>2. UPSTREAM PLACE IMPERVIOUS DIKE AT OUTLET OF EX. 48" RCP IN UNNAMED TRIB. INSTALL TEMPORARY FLEXIBLE 48" PIPE ACCORDING TO NCDOT 'BEST MANAGEMENT PRACTICES FOR CONSTRUCTION AND MAINTENANCE ACTIVITIES' MANUAL. WHEN PLACING KEEP FLEXIBLE PIPE OUTSIDE LIMITS OF PROPOSED STREAM RELOCATION.</p> <p>3. PUMP IMPOUNDED FLOW TO SPECIAL STILLING BASIN.</p> <p>4. DOWNSTREAM, INSTALL TEMPORARY FLEXIBLE 48" PIPE ACCORDING TO NCDOT 'BEST MANAGEMENT PRACTICES FOR CONSTRUCTION AND MAINTENANCE ACTIVITIES' MANUAL, AND IMPERVIOUS DIKE AS SHOWN.</p> <p>5. PUMP IMPOUNDED FLOW TO SPECIAL STILLING BASIN.</p> <p>6. USING TRENCHLESS METHODS INSTALL PERMANENT 48" WELDED STEEL OVERFLOW BARREL WHILE MAINTAINING EXISTING TRAFFIC PATTERNS. INSTALL JB'S AT INLET AND OUTLET OF WELDED STEEL AND ATTACH PERMANENT 48" RCP PIPES.</p> <p>7. CONSTRUCT DOWNSTREAM EXTENSION OF CULVERT WHILE ALSO CONSTRUCTING OUTLET STR. 1732 IN EXTENSION. CONSTRUCT HEADWALL INCLUDING DOWNSTREAM CHANNEL IMPROVEMENTS AND CULVERT FLOODPLAIN BENCHES.</p> <p>8. WHILE CONSTRUCTING DOWNSTREAM EXTENSION, ALSO CONSTRUCT UPSTREAM CHANNEL CHANGE AS SHOWN ON CONST. PSH 17 TO LIMITS ALLOWED BY UPSTREAM IMPERVIOUS DIKE.</p>	<p>1. REMOVE DOWNSTREAM IMPERVIOUS DIKE AND TEMP 48" FLEXIBLE PIPE.</p> <p>2. MAINTAIN UPSTREAM IMPERVIOUS DIKE LOCATION AS SHOWN IN PHASE I.</p> <p>3. UPSTREAM, ADD ADDITIONAL PHASE II IMPERVIOUS DIKE AS SHOWN.</p> <p>4. PUMP IMPOUNDED FLOW TO SPECIAL STILLING BASIN.</p> <p>5. INSTALL NEW TEMPORARY FLEXIBLE 48" PIPE ACCORDING TO NCDOT' BEST MANAGEMENT PRACTICES FOR CONSTRUCTION AND MAINTENANCE ACTIVITIES' MANUAL THROUGH NEW IMPERVIOUS DIKE.</p> <p>6. ATTACH TEMPORARY FLEXIBLE 48" PIPE TO OUTLET OF EX. 48" AND DIVERT FLOW INTO PERMANENT CHANNEL CHANGE CONSTRUCTED DURING PHASE I.</p> <p>7. PUMP IMPOUNDED FLOW TO SPECIAL STILLING BASIN.</p> <p>8. ONCE NEW TEMP. PIPES ARE INSTALLED AND DIVERSION COMPLETE, REMOVE UPSTREAM TEMP. FLEXIBLE 48" AS SHOWN IN PHASE I.</p> <p>9. CONSTRUCT REMAINDER OF UPSTREAM PERMANENT CHANNEL CHANGE NORTH OF PHASE I IMPERVIOUS DIKE.</p> <p>10. ONCE CHANNEL CHANGE IS STABILIZED REMOVE NORTHERNMOST UPSTREAM IMPERVIOUS DIKE FROM PHASE I AND ALLOW FLOW FULL CONDITIONS INTO PERMANENT CHANNEL CHANGE.</p>	<p>1. CONSTRUCT UPSTREAM CULVERT EXTENSION AROUND TEMP. 48" FLEXIBLE PIPE.</p> <p>2. CONSTRUCT REMAINDER OF UPSTREAM HEADWALL.</p> <p>3. REMOVE REMAINDER OF TEMP. PIPES AND TEMPORARY DIKES</p> <p>4. COMPLETE ROADWAY WHILE LEAVING SPECIAL STILLING BASIN FOR DURATION OF CONSTRUCTION OF RETAINING WALL AND ROADWAY.</p> <p>5. ONCE RETAINING WALL AND ROADWAY ARE COMPLETE, REMOVE SPECIAL STILLING BASIN.</p>
		

MATCH LINE -L- STA. 190+00

SEE SHEET NO. 17



PROJECT REFERENCE NO.	A-001C	SHEET NO.	EC-23/CONSTJB
RW SHEET NO.	ROADWAY DESIGN ENGINEER HYDRAULICS ENGINEER		
NC License: C-4847	WSE of North Carolina, PC 598 East Chatham Street Suite 137 Cary, NC 27511 Phone: 919.297.0220 Fax: 919.297.0221		

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 18

MATCH LINE -L- STA. 202+00

SEE SHEET NO. 19

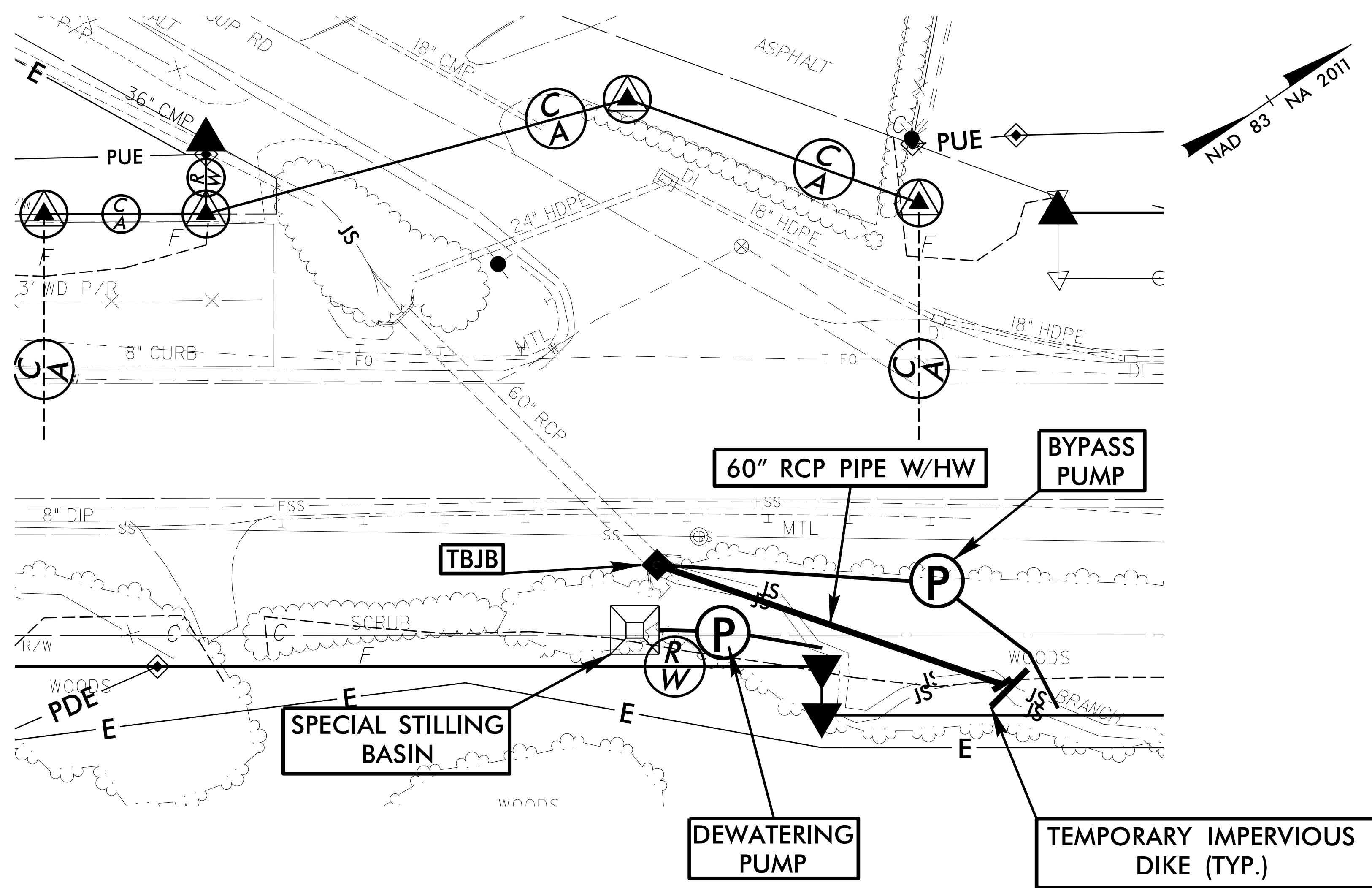
MATCH LINE -L- STA. 202+00

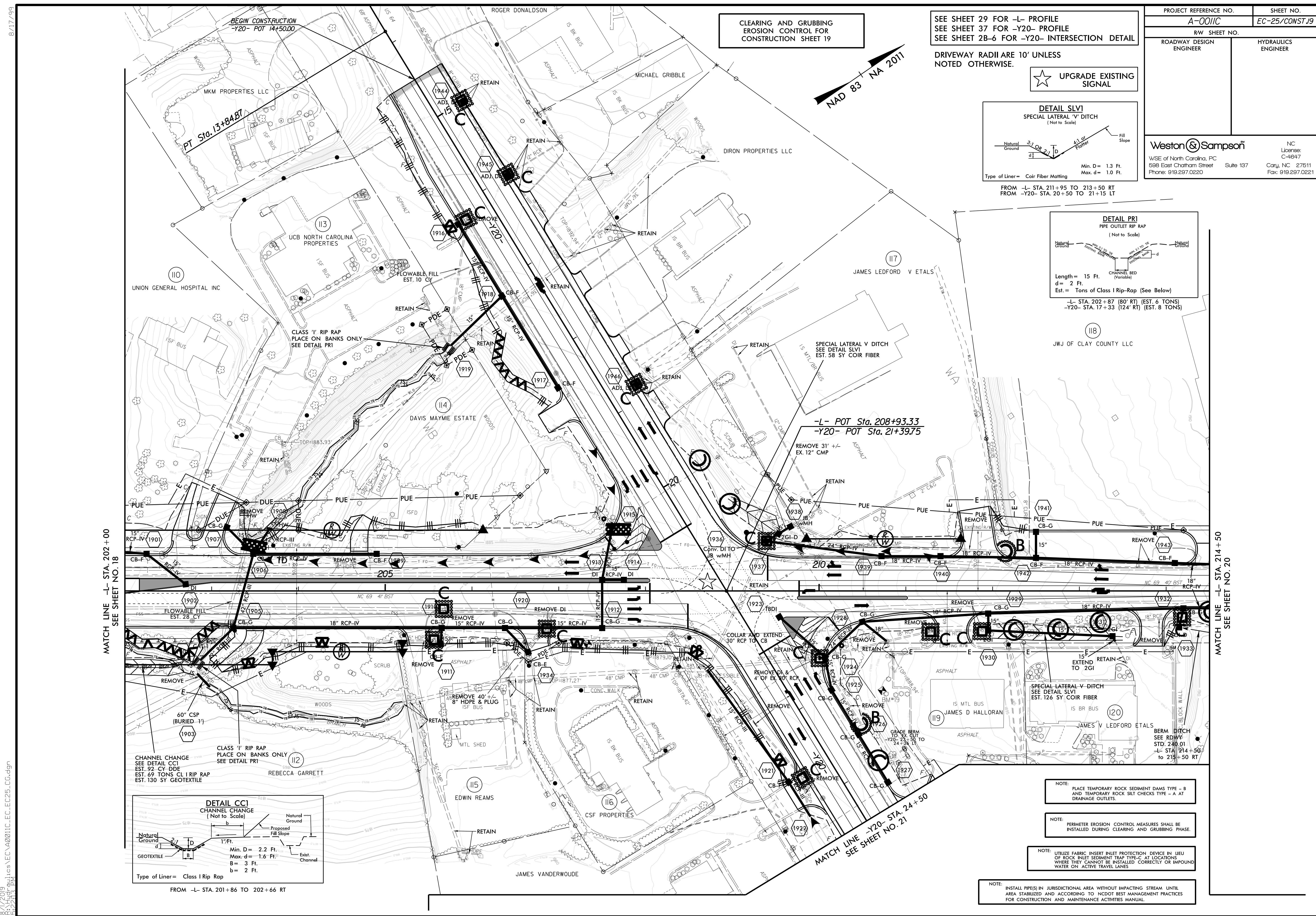
SEE SHEET NO. 19

PIPE CONSTRUCTION SEQUENCE STA. 198 + 50 -L-

1. INSTALL SPECIAL STILLING BASIN IN DESIRED LOCATION.
2. INSTALL BYPASS PUMP WITH TEMPORARY FLEXIBLE HOSE.
3. INSTALL UPSTREAM IMPERVIOUS DIKE AND BEGIN PUMPING OPERATIONS FOR STREAM DIVERSION.
4. PUMP IMPOUNDED FLOW WITH DEWATERING PUMP THROUGH STILLING BASIN.
5. REMOVE HEADWALL OF EX. 60" RCP.
6. INSTALL TRAFFIC BURY JUNCTION BOX (TBJB) AT INLET OF EX. 60" RCP, AND CONSTRUCT UPSTREAM PIPE EXTENSION AND HEADWALL.
7. REMOVE IMPERVIOUS DIKES, SPECIAL STILLING BASIN, AND PUMP DIVERSION.
8. AS CONSTRUCTION PHASING ALLOWS COMPLETE REMAINDER OF DOWNSTREAM STORMWATER SYSTEM AND ROADWAY CONSTRUCTION.

NOTE: THE CONTRACTOR SHALL NOT PUMP SEDIMENT-LADEN WATER DIRECTLY INTO STREAM.





NOTE: UTILIZE FABRIC INSERT INLET PROTECTION DEVICE IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE-C AT LOCATIONS WHERE THEY CANNOT BE INSTALLED CORRECTLY OR IMPOUND WATER ON ACTIVE TRAVEL LANES

NOTE:
WHEN THE -Y15DET- DETOUR IS NO LONGER
NEEDED, THE CONTRACTOR SHALL REMOVE THE
PAVEMENT AND GRADE THE ROADBED AND
DITCHES TO DRAIN TO THE PROPOSED -Y15-
DITCH AND OPEN END PIPE #1419 TO LIMIT
THE AMOUNT OF STORMWATER DRAINING TO
THE -L- CURB & GUTTER AS MUCH AS
PRACTICABLE.

DETAIL SC1

SPECIAL CUT 'V' DITCH
(Not to Scale)

Natural Ground

2:1

2:1 or Flatter

D

d

Geotextile

Front Ditch Slope

Type of Liner = Class B Rip-Rap

Min. D = 1 Ft.

Max. d = 1 Ft.

DETAIL C1

CUT 'V' DITCH
(Not to Scale)

Natural Ground

2:1

d

D

2:1 or Flatter

Front Ditch Slope

Geotextile

type of Liner = Class B Rip-Rap

Min. D = 1 Ft.

Max. d = 1 Ft.

FROM -L- STA. 151+00 TO STA. 152+10 RT

-Y15DET-
CHERRYWOOD DR.
DETOUR

Weston & Sampson SM

NC
License:
C-4647

Cary, NC 27511
Fax: 919.297.0221

PR

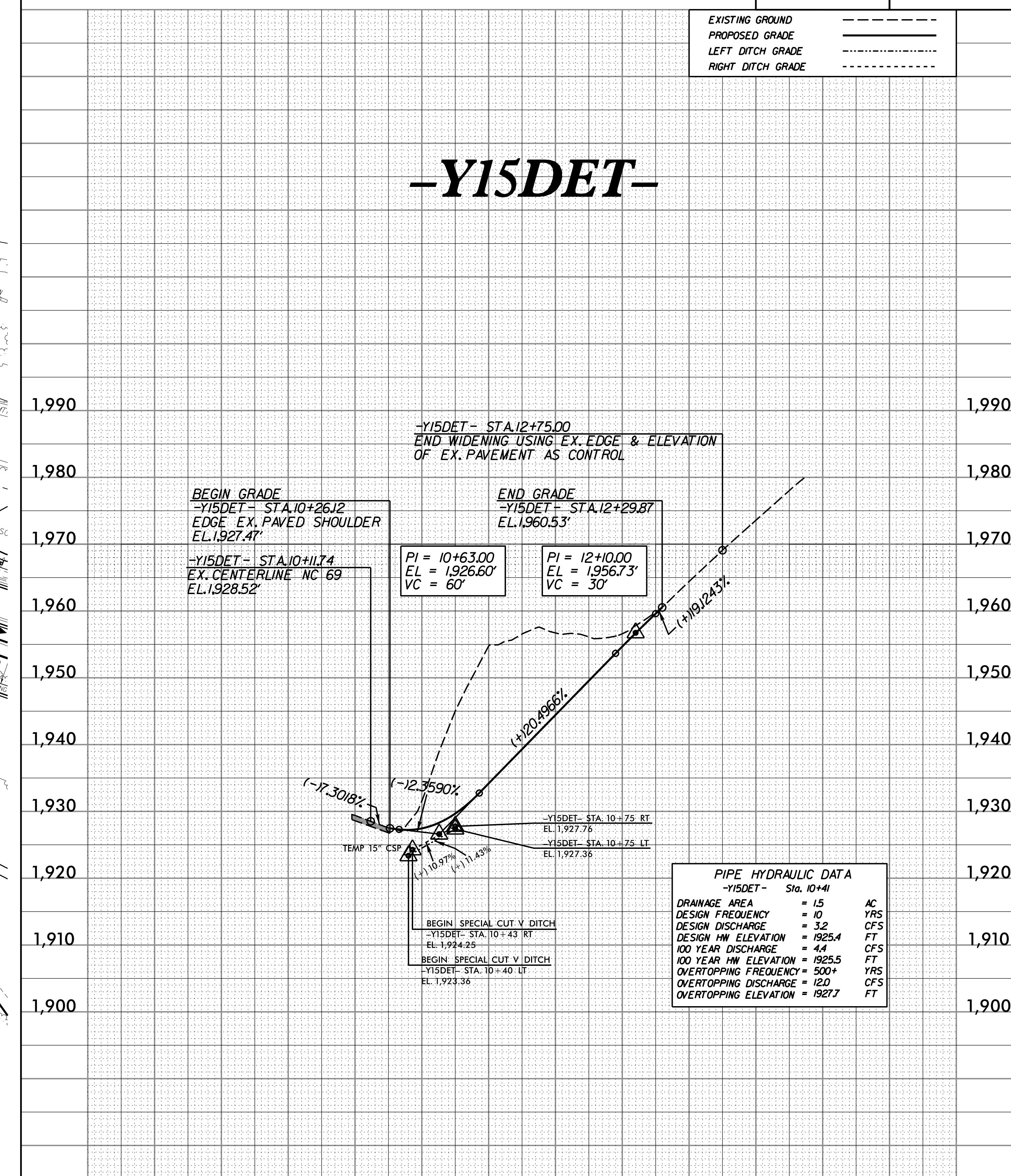
RO

PROJECT REFERENCE NO.	SHEET NO.
A-0011C	EC-28/CONST.2B-1
R/W SHEET NO.	
ONE WAY DESIGN ENGINEER	HYDRAULICS ENGINEER

**CLEARING AND GRUBBING
EROSION CONTROL FOR
DET CONSTRUCTION SHEET 2B-1**

XISTING GROUND	-----
ROPOSED GRADE	=====
EFT DITCH GRADE
IIGHT DITCH GRADE	-----

- Y15DET -



NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS

NOTE: PERIMETER EROSION CONTROL MEASURES SHALL BE INSTALLED DURING CLEARING AND GRUBBING PHASE

DETAIL TD1

STANDARD TAIL 'V' DITCH

(Not to Scale)

Natural Ground

2:1

D

2:1

Geotextile

Natural Ground

Type of Liner = Class B Rip-Rap

Min. D = 1

Max. d = 1

FROM -L- STA. 23 + 85 (112' LT) TO 23 + 94 (60')

DETAIL SBC1

SPECIAL BACK OF CURB CUT DITCH
(NOT TO SCALE)

Min. D = 1
Max. d = 1

Type of Liner = Class B Rip-Rap

LT)

SEE SHEET 22 FOR -L- PROFILE

**DRIVEWAY RADII ARE 10' UNLESS
NOTED OTHERWISE.**

BEGIN T.I.P. PROJECT A-0011

-L- POC 20 + 50.00

This detailed construction site plan illustrates a project area spanning the border between North Carolina and Georgia. The plan includes the following key features and labels:

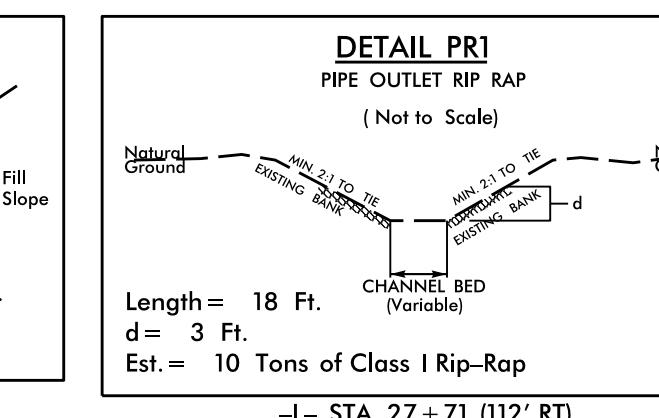
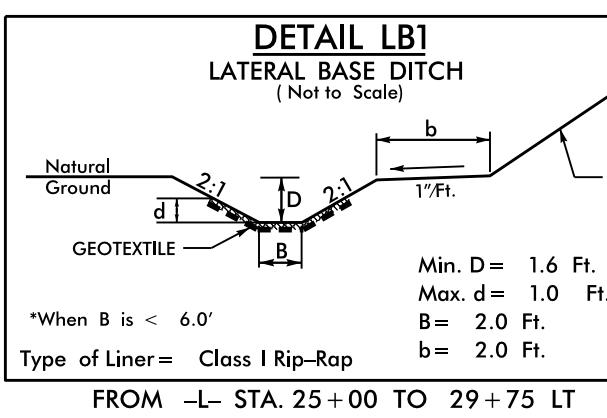
- Vertical Labels:** POT Sta. 19+22.27, PC Sta. 20+20.11, PT Sta. 24, MATCH LINE L - STA. 25+00, SEE SHEET NO. 5.
- Horizontal Labels:** EST. 103 SY GEOTEXTILE, TAILEDITCH SEE DETAIL TD1, EST. 31 CY DDE, EST. 13 TONS CL B RIP RAP, EST. 42 SY GEOTEXTILE, LAUREL HILLS MEMORY GARDENS, EIP, ISFD, 2, 3'X3', WROUGHT IRON FENCE W/ BR COLUMNS, 6" CURB, 28" ASPHALT, REMOVE, 8' +/- 24" CMP, 15" CMP, 26.00', EXISTING R/W, SOIL RD, RETAIN, 24" CMP, 120.00', NORTH GEORGIA, NORTH CAROLINA.
- Structures and Features:** IS F BUS, CURTIS T. STEPHENS, DAVID F. FURBY, MILDRED CURTIS, TWIGGS INVESTMENTS, LLC, JOHNNY C. AUBERRY, HTR, EIP, BST, 401, 402, 405, 50' TYP., 15" CMP, 24" CMP, 120.00', 6" CBL W/ 35 BW, 15" CMP, 24" CMP, 120.00', 6" CBL W/ 35 BW, 15" CMP, 24" CMP, 120.00'.
- Annotations:** REMOVE, 8' +/- 24" CMP, 15" CMP, 26.00', EXISTING R/W, SOIL RD, RETAIN, 24" CMP, 120.00', NORTH GEORGIA, NORTH CAROLINA.

NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.

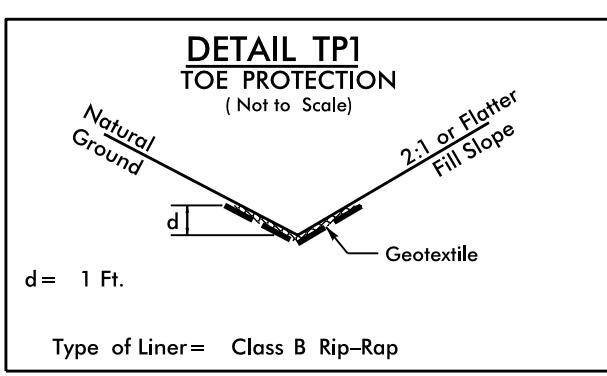
NOTE: UTILIZE FABRIC INSERT INLET PROTECTION DEVICE IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE-C AT LOCATIONS WHERE THEY CANNOT BE INSTALLED CORRECTLY OR IMPOUND WATER ON ACTIVE TRAVEL LANES

NOTE: UTILIZE FABRIC INSERT INLET PROTECTION DEVICE IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE-C AT LOCATIONS WHERE THEY CANNOT BE INSTALLED CORRECTLY OR IMPOUND WATER ON ACTIVE TRAVEL LANES

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

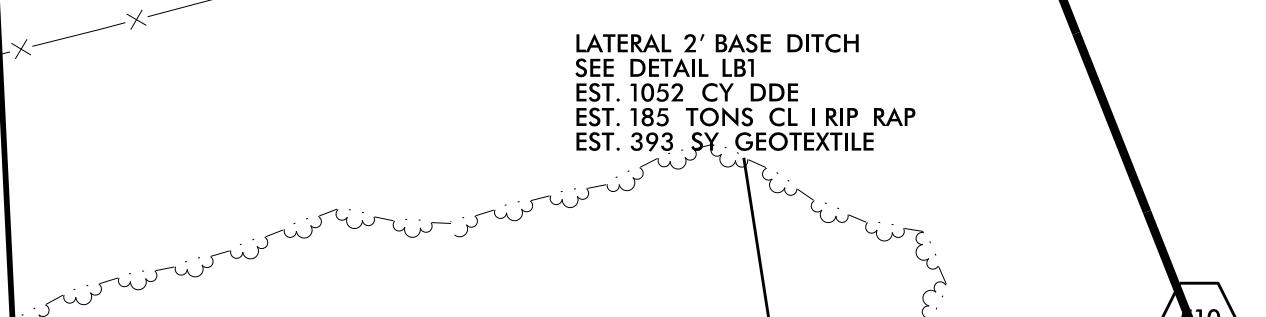


80' x 28' x 3'
1.5 inch Skimmer
with 1.25 inch
Orifice Diameter
9 ft. weir
ID 5.1



3
BARRY R. MCCLURE

**Place Matting for Erosion Control
on Slope as Work Allows.
-L Sta. 28+00-29+50 LT**



**Place Matting for Erosion Control
on Slope as Work Allows.
-L Sta. 28+00-29+50 LT**

MATCH LINE -L STA. 25+00

SEE SHEET NO. 4

**Place Matting for Erosion Control
on Slope as Work Allows.
-L Sta. 25+50-29+50 RT**

BARRY R. MCCLURE

PLACE ON BANKS ONLY
SEE DETAIL PRI

WOODS

ANNETTE COOKE

EIP

AXLE

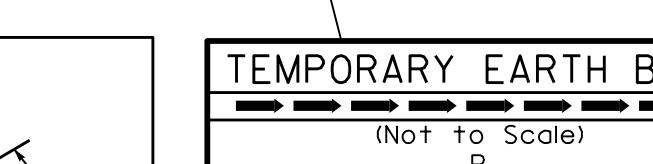
TOE PROTECTION
SEE DETAIL TP1

EST. 41 TONS CLASS 'B' RIP RA

138 SY GEOTEXTILE

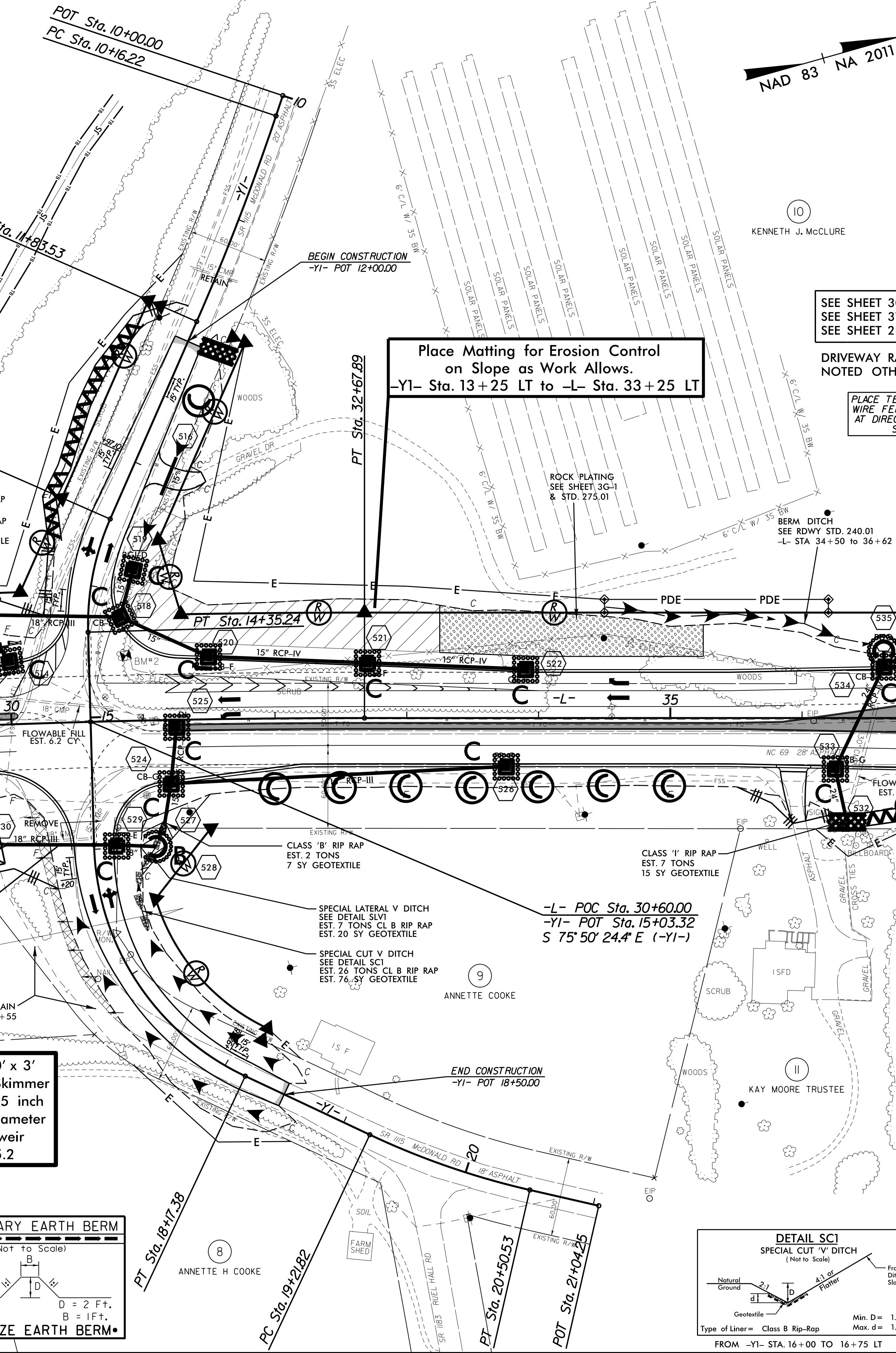
WM KYLE CODY

84' x 30' x 3'
1.5 inch Skimmer
with 1.375 inch
Orifice Diameter
10 ft. weir
ID 5.2



8
ANNETTE H COOKE

•STABILIZE EARTH BERM•



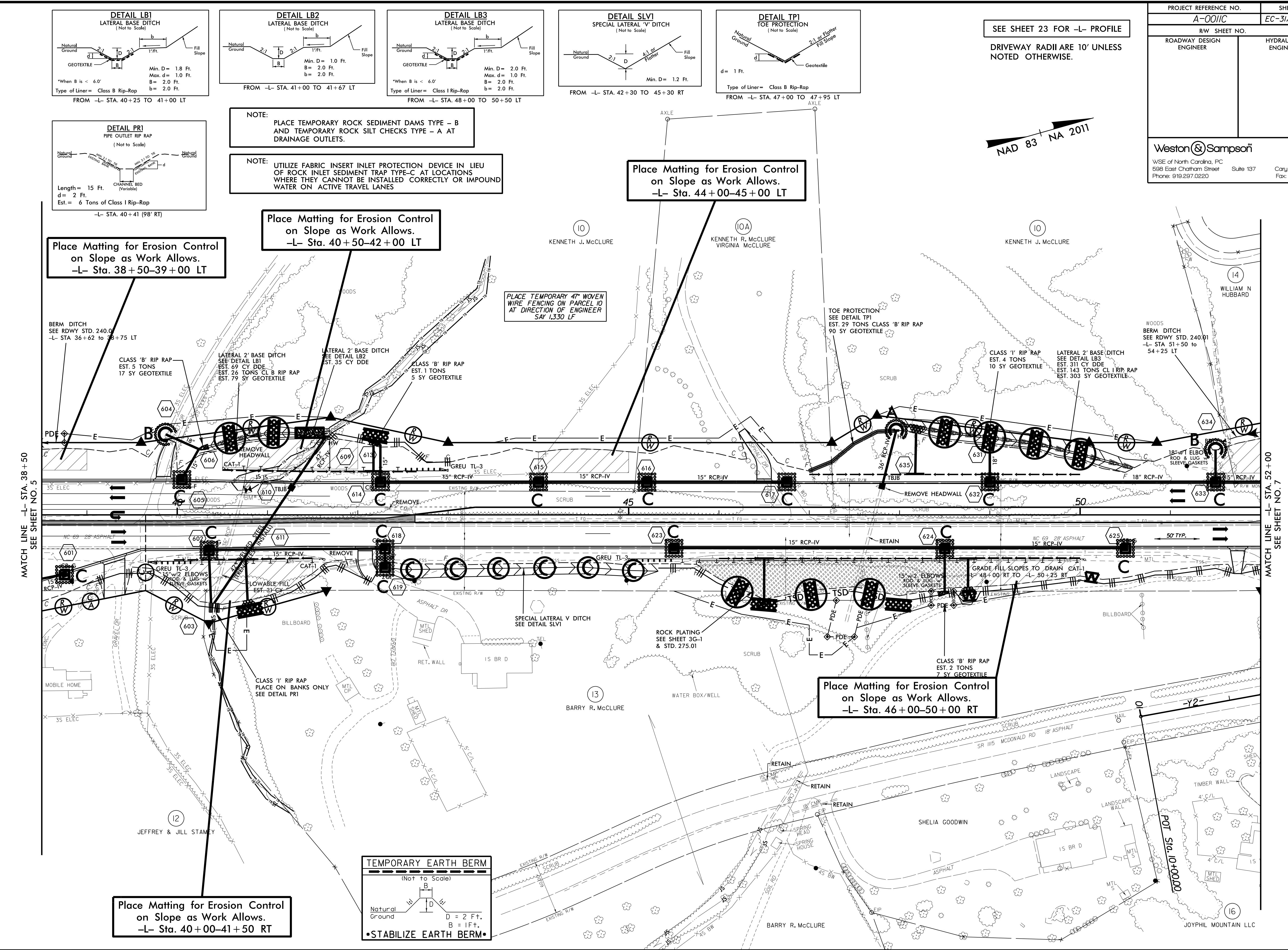
PROJECT REFERENCE NO.	SHEET NO.
A-001C	EC-30/CONST.5
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Weston & Sampson
WSE of North Carolina, PC
598 East Chatham Street
Cary, NC 27511
Phone: 919.297.0220
Fax: 919.297.0221

MATCH LINE -L STA. 38+50

SEE SHEET NO. 6

PR\Hydraulics\EC\A0011C_EC_EC31_FINAL.dgn



8/17/99

NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – A AND TEMPORARY ROCK SILT CHECKS TYPE – A DRAINAGE OUTLETS.

NOTE: UTILIZE FABRIC INSERT INLET PROTECTION DEVICE IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE-C AT LOCATIONS WHERE THEY CANNOT BE INSTALLED CORRECTLY OR IMPOUND WATER ON ACTIVE TRAVEL LANES

SEE SHEET 23 FOR -L- PROFILE
SEE SHEET 31 FOR -Y2- & -Y3- PROFILES
SEE SHEET 32 FOR -Y4- & -Y5- PROFILES
SEE SHEET 2B-2 FOR -Y2-, -Y3-, & -Y4- INTERSECTION DETAILS
SEE SHEET 2B-3 FOR -Y5- INTERSECTION DETAIL

**DRIVEWAY RADII ARE 10' UNLESS
NOTED OTHERWISE.**

RICHARD M WIEGOLD SR

**Place Matting for Erosion Control
on Slope as Work Allows.
-L- Sta. 51 + 50 - 57 + 00 LT**

MATCH LINE -L- STA. 52 + 00
SEE SHEET NO. 1

IS
D
ANDA
2
Ft.
STA. 14

DETAIL TB1
STANDARD TAIL BASE DITCH
(Not to Scale)

Natural
Ground

Min. D = 1 Ft.

B = 2 Ft.

Natural
Ground

D

B

2:1

2:1

FROM -Y5- STA. 14 + 62 (24' RT) TO 14 + 70 (9)

SPECIAL LATERAL 'V' DITCH
(Not to Scale)

Natural Ground

2:1

D

2:1

Min.
Max.

Type of Liner = Coir Fiber Matt

FROM -L- STA. 62 + 50 TO
FROM -Y5- STA. 10 + 75 TO

SPECIAL CUT 'V' DITCH
(Not to Scale)

The diagram illustrates a 'V' shaped cut into 'Natural Ground'. The vertical wall of the cut has a 'Front Ditch Slope' of 4:1 or Flatter. The bottom of the cut is at elevation 'D'. A horizontal dimension 'd' is shown from the vertical ground line to the bottom of the cut. A 'Geotextile' liner is indicated at the bottom of the cut.

Fill Slope	1.5 Ft.
1.0 Ft.	

Min. D = 1.4 Ft.
Max. d = 1.0 Ft.

Type of Liner = Class B Rip-Rap

FROM -Y5- STA. 12 + 00 TO 13 + 25
FROM -Y5- STA. 13 + 25 TO 15 + 25

SPECIAL CUT DITCH
(Not to Scale)

Natural Ground

Front Ditch Slope

4:1 or Flatter

D

d

Min. D = 2.0 Ft.

Max d = 1.0 Ft.

Type of Liner = Coir Fiber

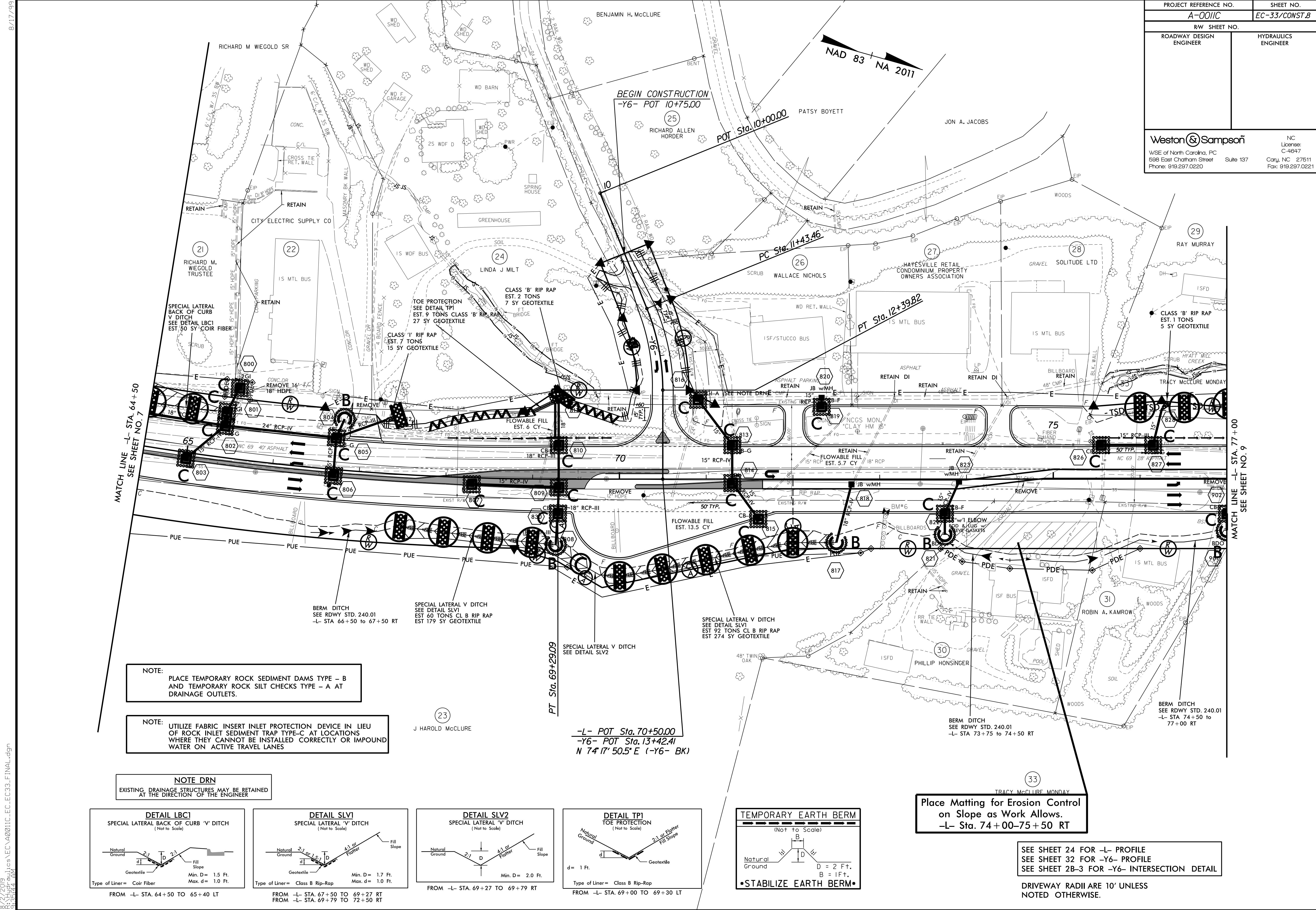
FROM Y5- STA. 12 + 00 TO 13 + 25 LT

PROJECT REFERENCE NO.	SHEET NO.
A-0011C	EC-32/CONST.7
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
 <p>WSE of North Carolina, PC 598 East Chatham Street Phone: 919.297.0220</p>	
<p>NC License: C-4647</p> <p>Cary, NC 27511 Fax: 919.297.0221</p>	

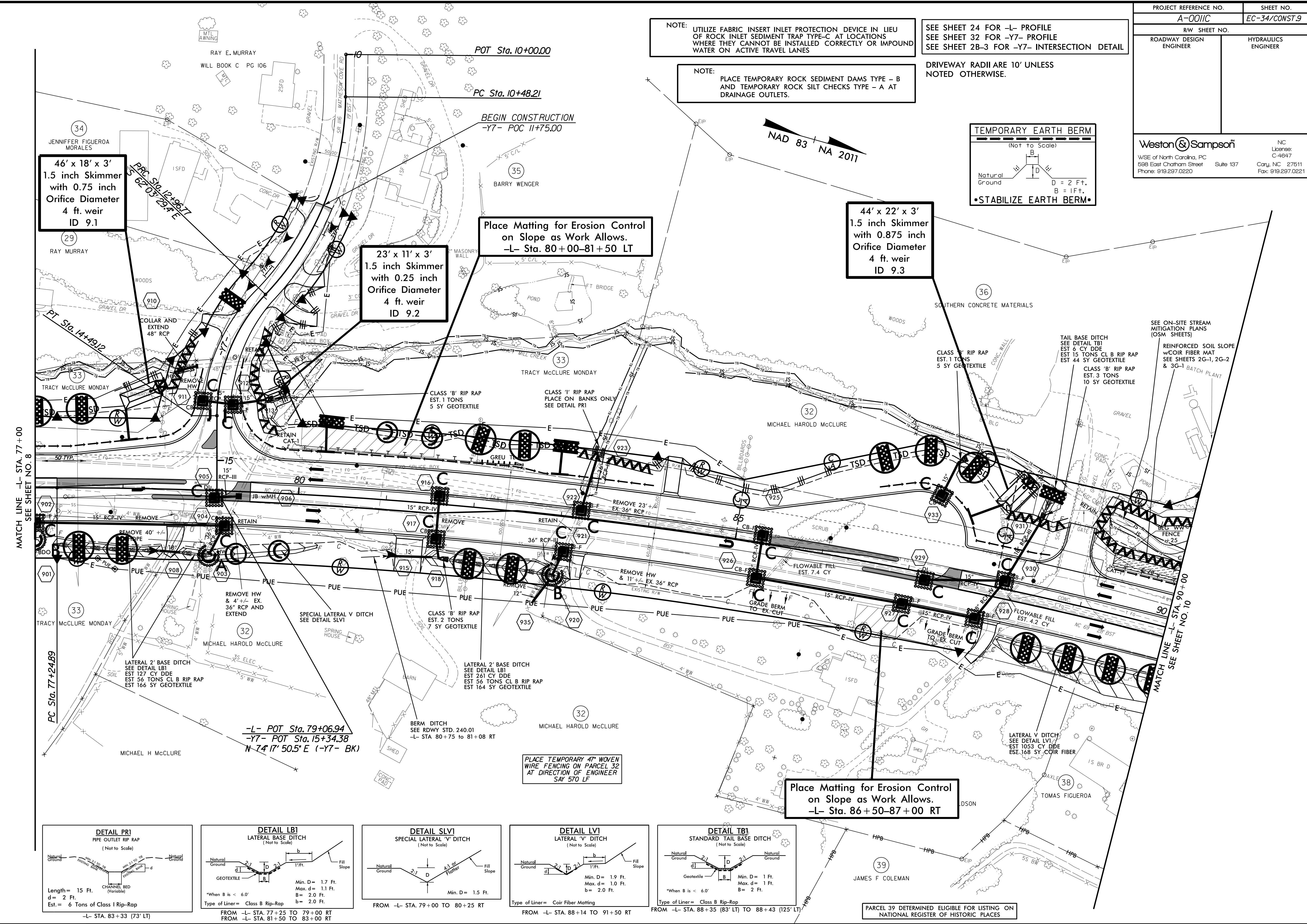
Weston & SampsonSM

NC
License:
C-4647

Cary, NC 27511
Fax: 919.297.0221

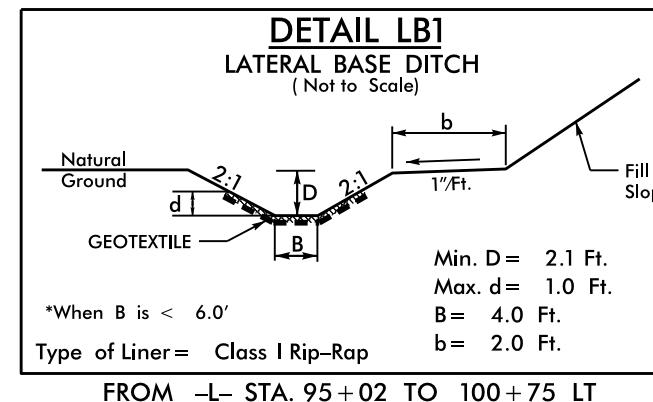


2019/03/31 11:47 AM Hydraulics\EC\A0011C_EC_EC34_FINAL.dgn



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

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION DEVICE IN LIEU
OF ROCK INLET SEDIMENT TRAP TYPE-C AT LOCATIONS
WHERE THEY CANNOT BE INSTALLED CORRECTLY OR IMPOUND
WATER ON ACTIVE TRAVEL LANES

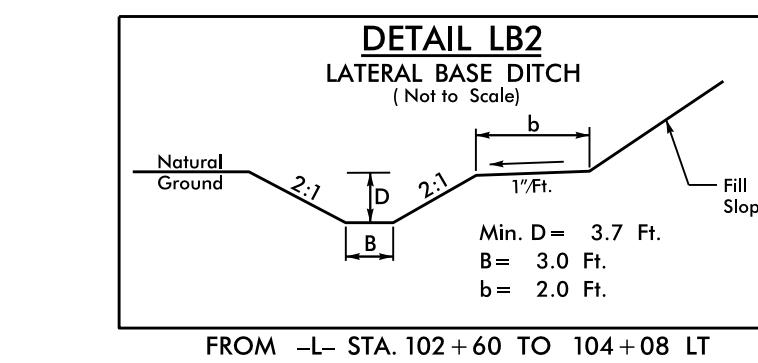


SEE SHEET 25 FOR -L- PROFILE
SEE SHEET 33 FOR -Y8- PROFILE
SEE SHEET 2B-4 FOR -Y8- INTERSECTION DETAIL

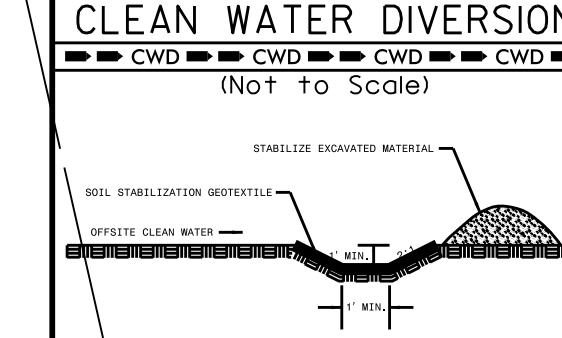
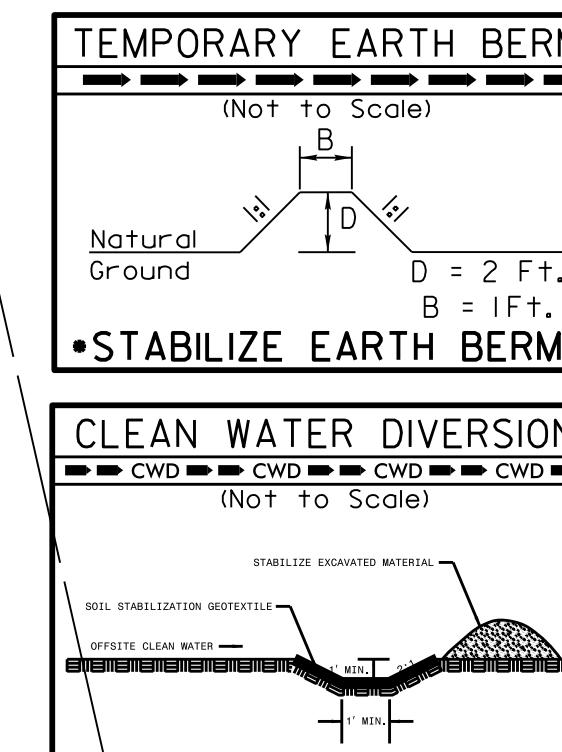
Weston & Sampson
WSE of North Carolina, PC
698 East Chatham Street Suite 137
Cary, NC 27511
Phone: 919.297.0220
Fax: 919.297.0221

PROJECT REFERENCE NO. A-001C SHEET NO. EC-35/CONST.JO
NC License: C-4647
RW SHEET NO. ROADWAY DESIGN ENGINEER
HYDRAULICS ENGINEER

DRIVEWAY RADII ARE 10' UNLESS
NOTED OTHERWISE.



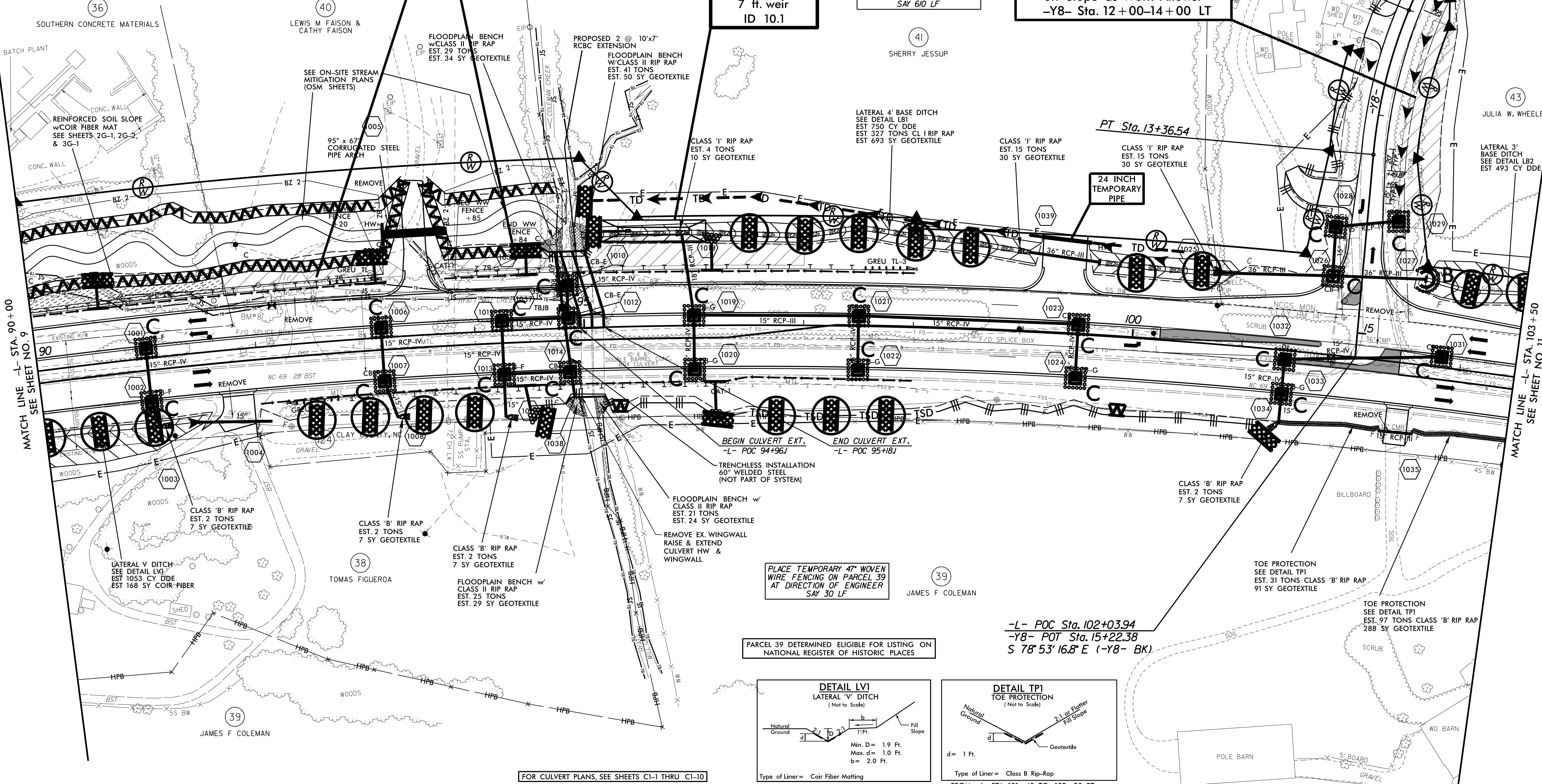
Place Matting for Erosion Control
on Slope as Work Allows.
-L- Sta. 91+75-97+00 LT



95' x 20' x 3'
1.5 inch Skimmer
with 1.25 inch
Orifice Diameter
7 ft. weir
ID 10.1

PLACE TEMPORARY 47" WOVEN
WIRE FENCING ON PARCEL 41
AT DIRECTION OF ENGINEER
SAY 610 LF

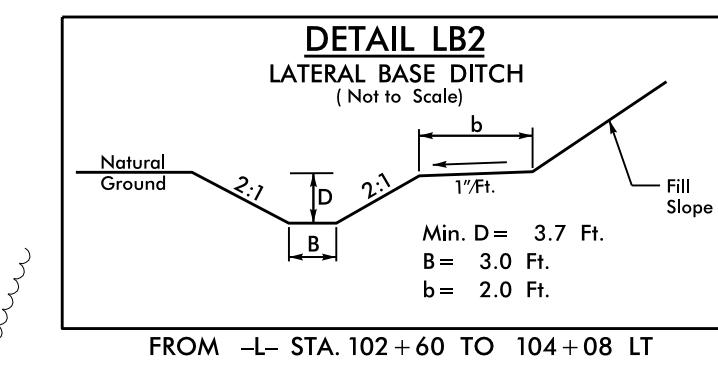
Place Matting for Erosion Control
on Slope as Work Allows.
-Y8- Sta. 12+00-14+00 LT



NOTE: UTILIZE FABRIC INSERT INLET PROTECTION DEVICE IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE-C AT LOCATIONS WHERE THEY CANNOT BE INSTALLED CORRECTLY OR IMPOUND WATER ON ACTIVE TRAVEL LANES

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

Place Matting for Erosion Control
on Slope as Work Allows.
-L- Sta. 106 + 50 LT to -DR16- Sta. 12 + 50 RT



SEE SHEET 25 FOR -L- PROFILE
SEE SHEET 33 FOR -Y9- & -Y10- PROFILES
SEE SHEET 38 FOR -DR16- PROFILE
SEE SHEET 2B-4 FOR -Y9-, -Y10-, &
-DR16- INTERSECTION DETAILS

DRIVEWAY RADII ARE 10' UNLESS
NOTED OTHERWISE.

Place Matting for Erosion Control
on Slope as Work Allows.
-DR16- Sta. 10 + 75-13 + 25 LT

