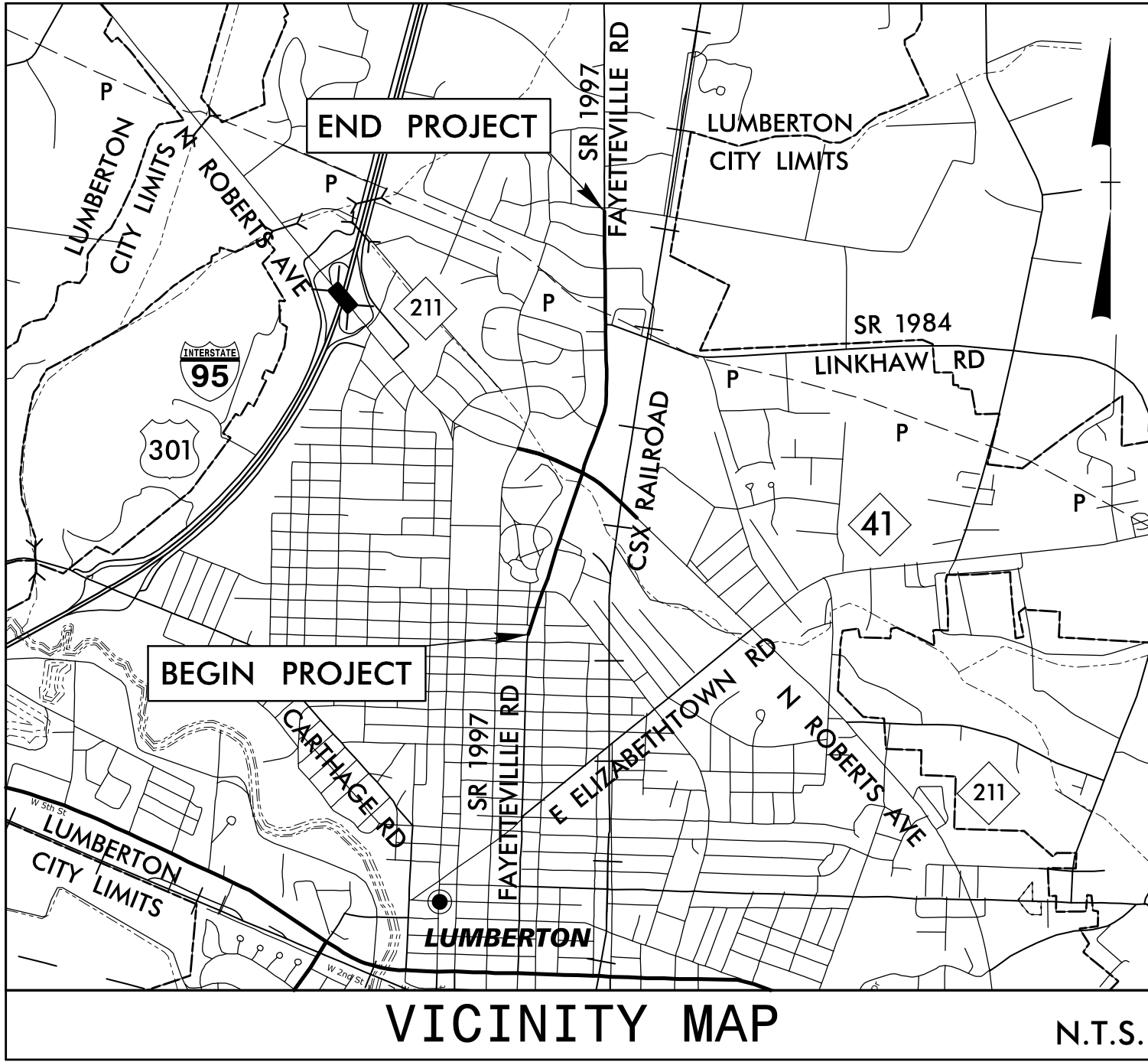


STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-5797	EC-1	30
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
44367.1.1		PE	
44367.2.1		R.O.W.	
44367.2.2		UTIL	
44367.3.1		CONSTRUCTION	

TIP PROJECT: U-5797

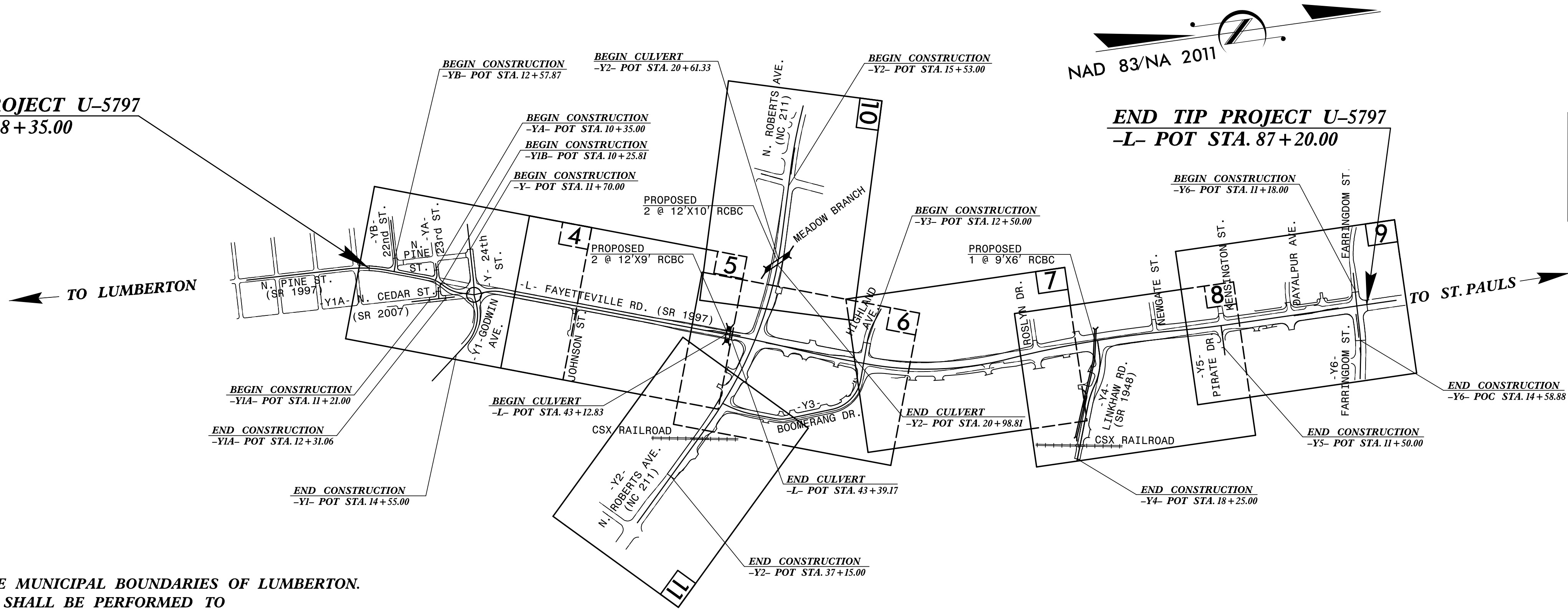


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
PLAN FOR PROPOSED
HIGHWAY EROSION CONTROL
ROBESON COUNTY

LOCATION: FAYETTEVILLE ROAD (SR 1997) FROM EAST OF
22nd STREET TO FARRINGTON STREET
TYPE OF WORK: GRADING, PAVING, DRAINAGE, AND CULVERTS

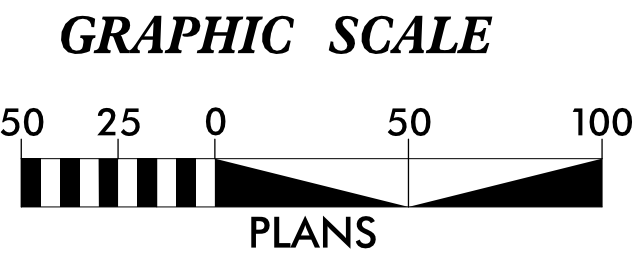
BEGIN TIP PROJECT U-5797
-L- POC STA. 18+35.00

END TIP PROJECT U-5797
-L- POC STA. 87+20.00



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

THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF LUMBERTON.
CLEARING ON THIS PROJECT SHALL BE PERFORMED TO
THE LIMITS ESTABLISHED BY METHOD II.



THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH
THE APPLICABLE 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.

stv STV Engineers, Inc.
900 West Trade St., Suite 715
Charlotte, NC 28202
NC License Number F-0991

Prepared In the Office of:
STV ENGINEERS, INC.
900 WEST TRADE STREET, SUITE 715
CHARLOTTE, NC 28202

Designed by:
HALEY SMITH, EIT 4688
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.

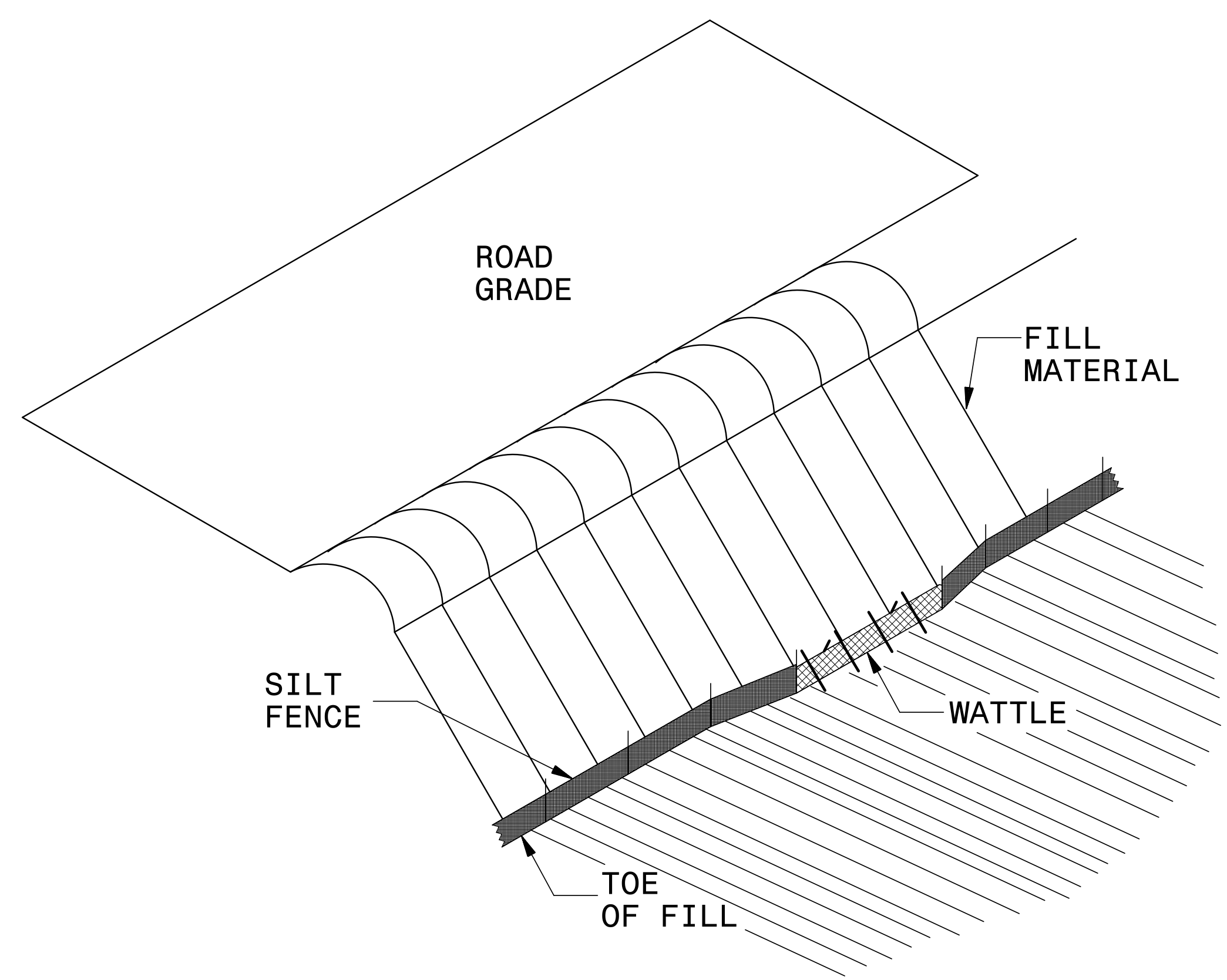
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

EROSION & SEDIMENT CONTROL LEGEND

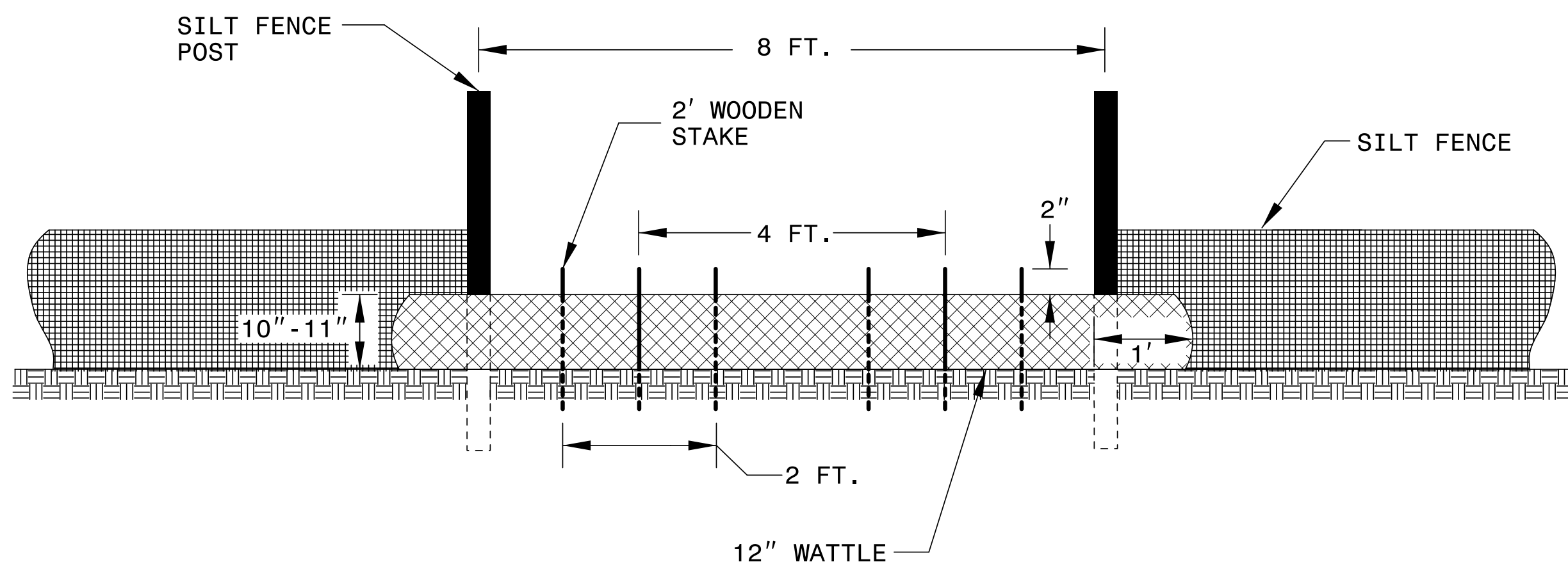
Std. #	Description	Symbol	Std. #	Description	Symbol
1605.01	Temporary Silt Fence		1633.01	Temporary Rock Silt Check Type A	
1606.01	Special Sediment Control Fence		1633.02	Temporary Rock Silt Check Type B	
1622.01	Temporary Berms and Slope Drains		1633.03	Temporary Rock Silt Check Type A with Excelsior 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				

SILT FENCE COIR FIBER WATTLE BREAK DETAIL

PROJECT REFERENCE NO.	SHEET NO.
U-5797	EC-2
stv STV Engineers, Inc. 900 West Trade St., Suite 715 Charlotte, NC 28202 NC License Number F-0991	



ISOMETRIC VIEW

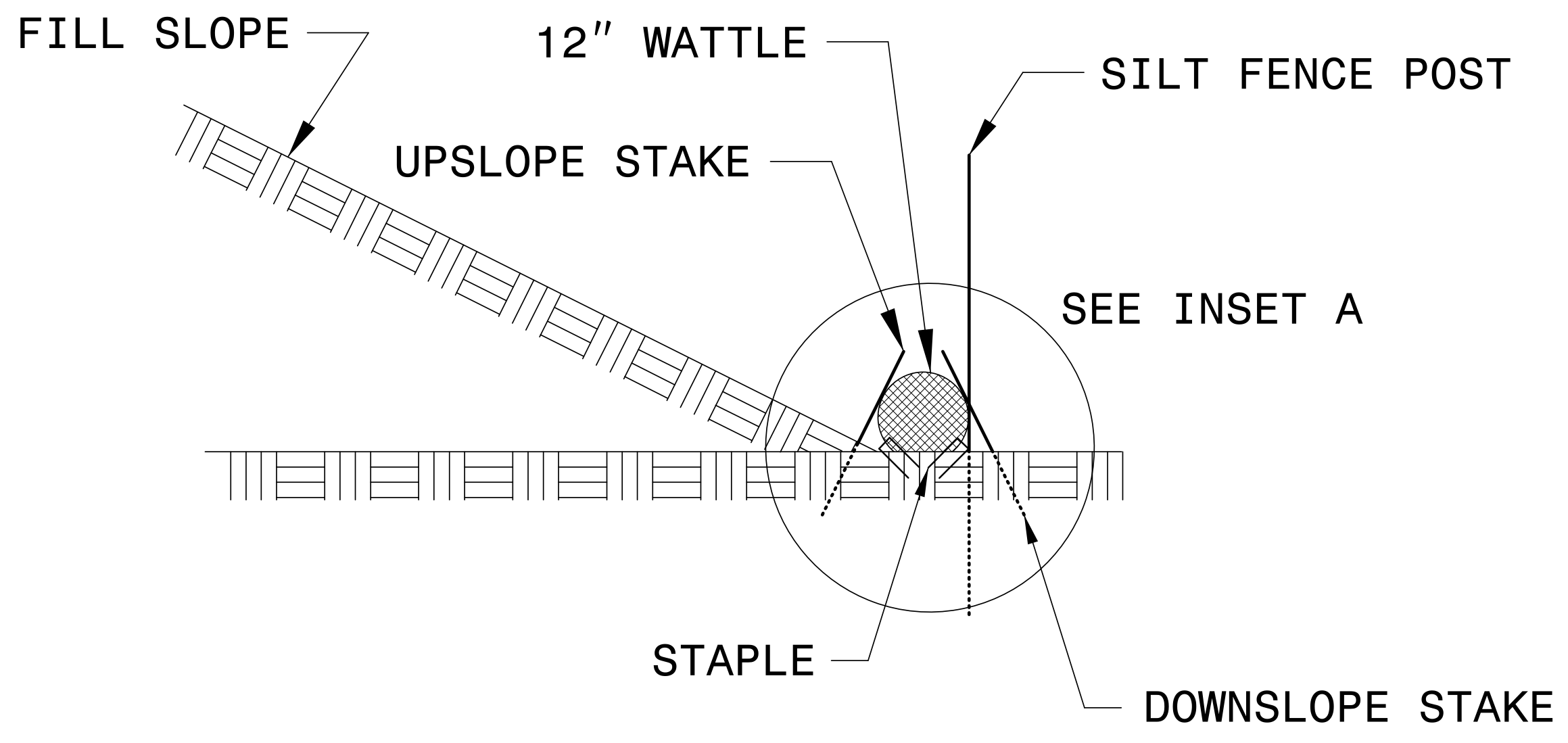
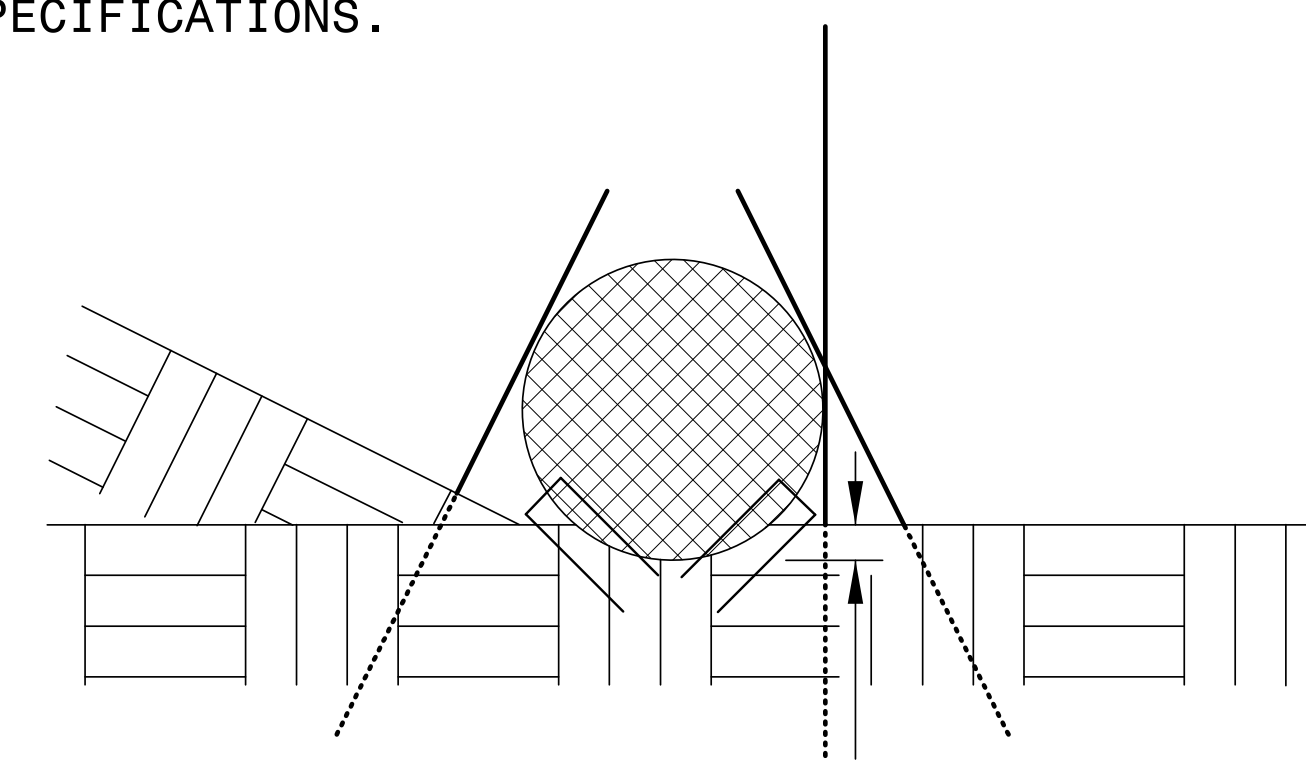


VIEW FROM SLOPE

NOTES:

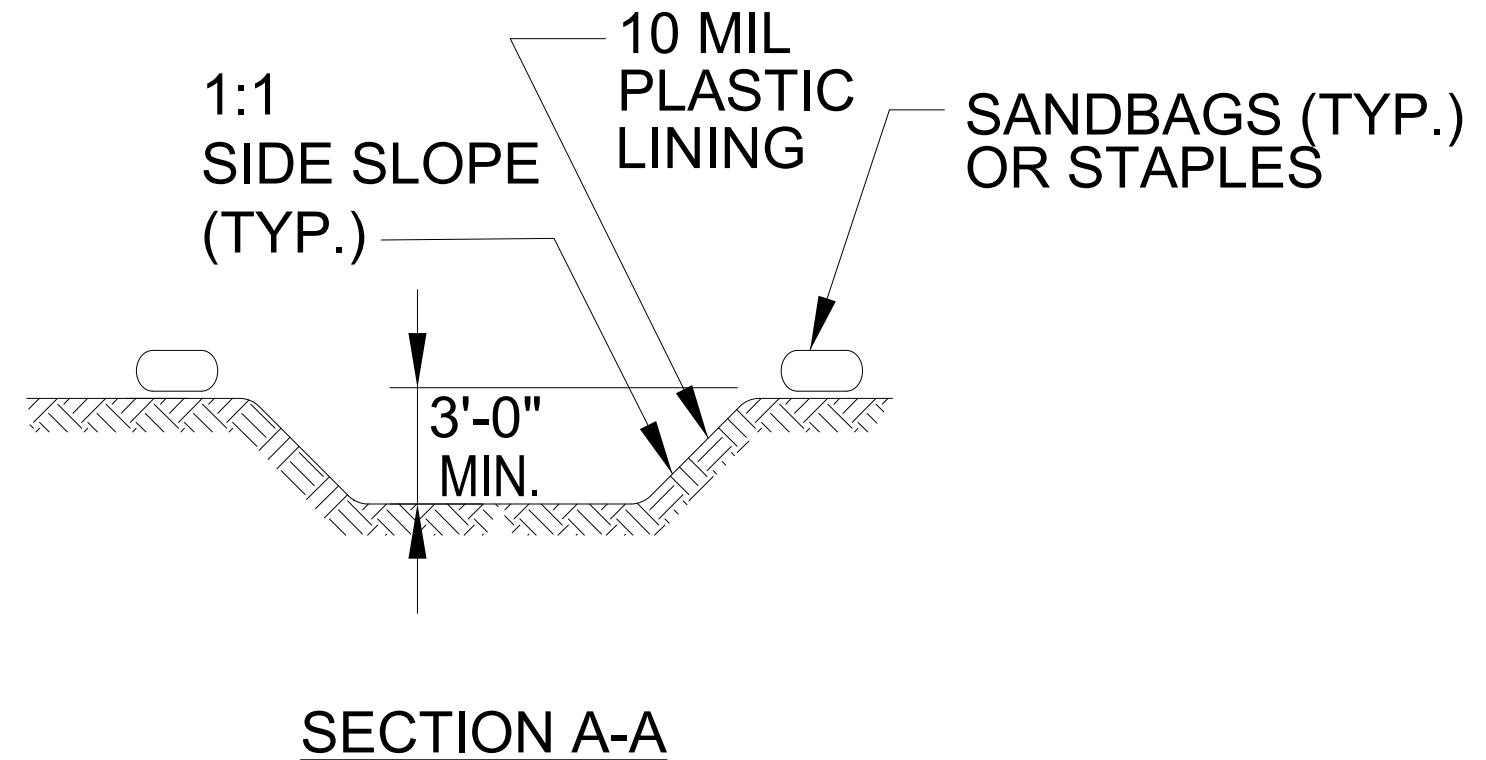
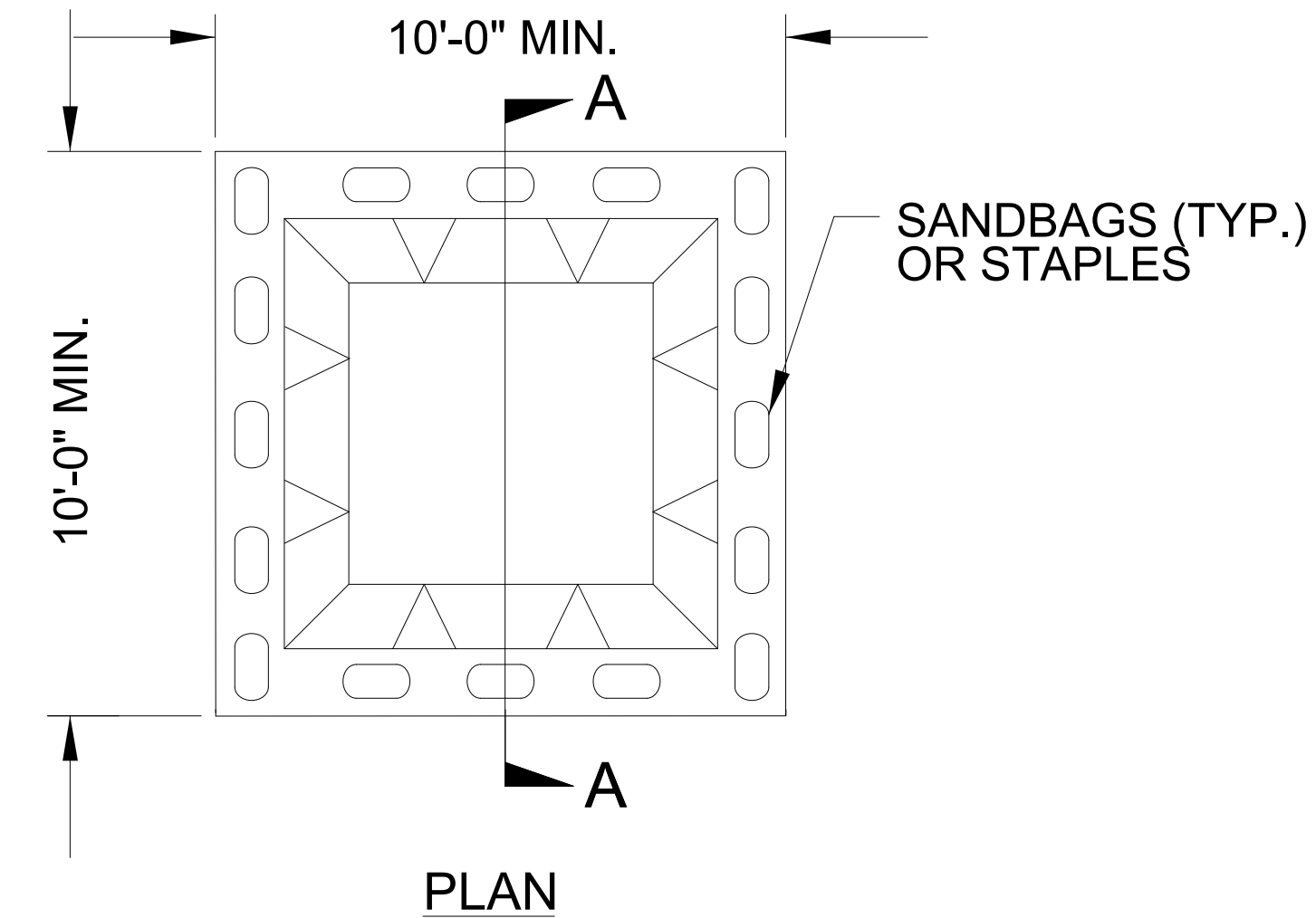
- USE MINIMUM 12 IN. DIAMETER COIR FIBER (COCONUT FIBER) WATTLE AND LENGTH OF 10 FT.
- EXCAVATE A 1 TO 2 INCH TRENCH FOR WATTLE TO BE PLACED.
- DO NOT PLACE WATTLE ON TOE OF SLOPE.
- USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.
- INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO GROUND.
- PROVIDE STAPLES MADE OF 11 GAUGE STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 6" IN LENGTH.
- INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.
- WATTLE INSTALLATION CAN BE ON OUTSIDE OF THE SILT FENCE AS DIRECTED.
- INSTALL TEMPORARY SILT FENCE IN ACCORDANCE WITH SECTION 1605 OF THE STANDARD SPECIFICATIONS.

INSET A



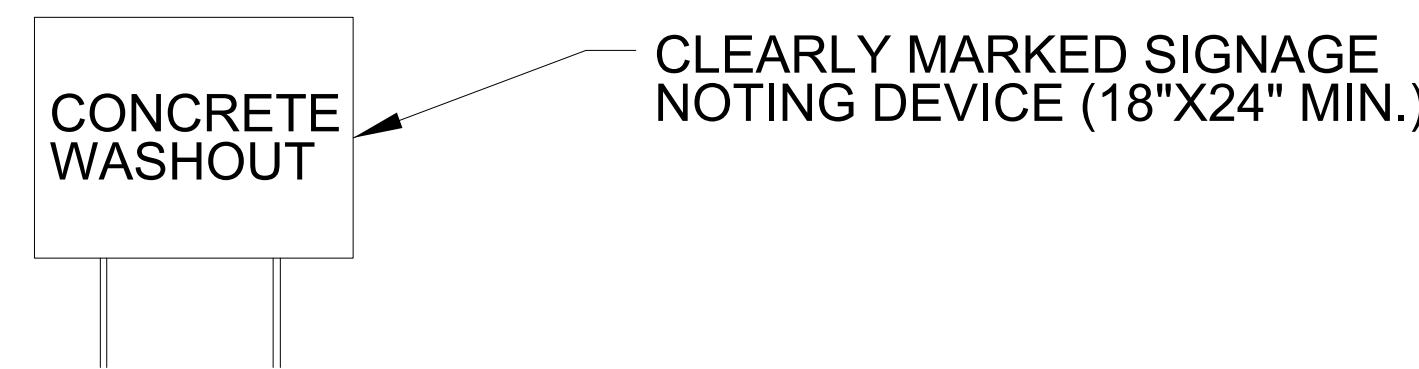
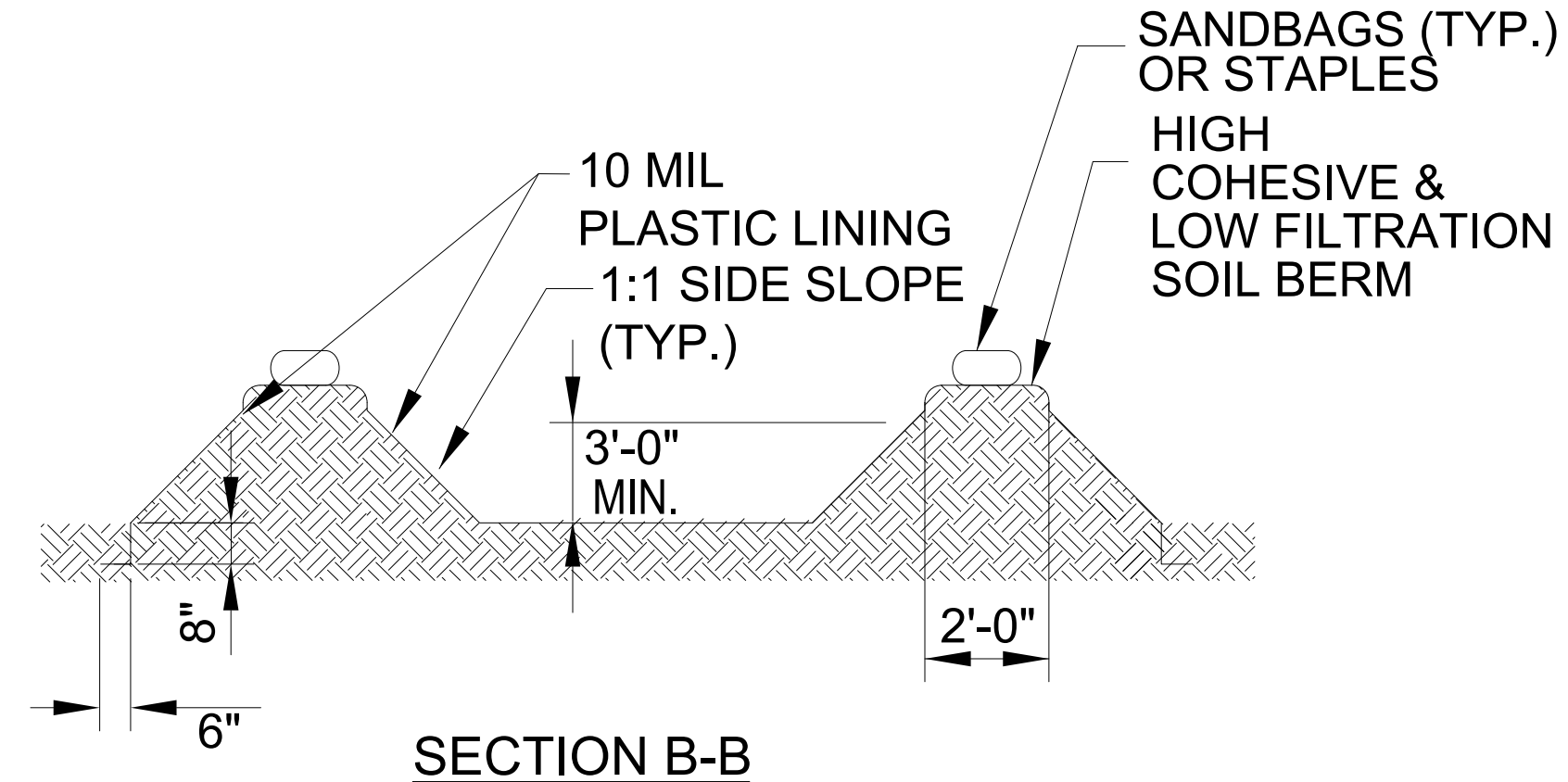
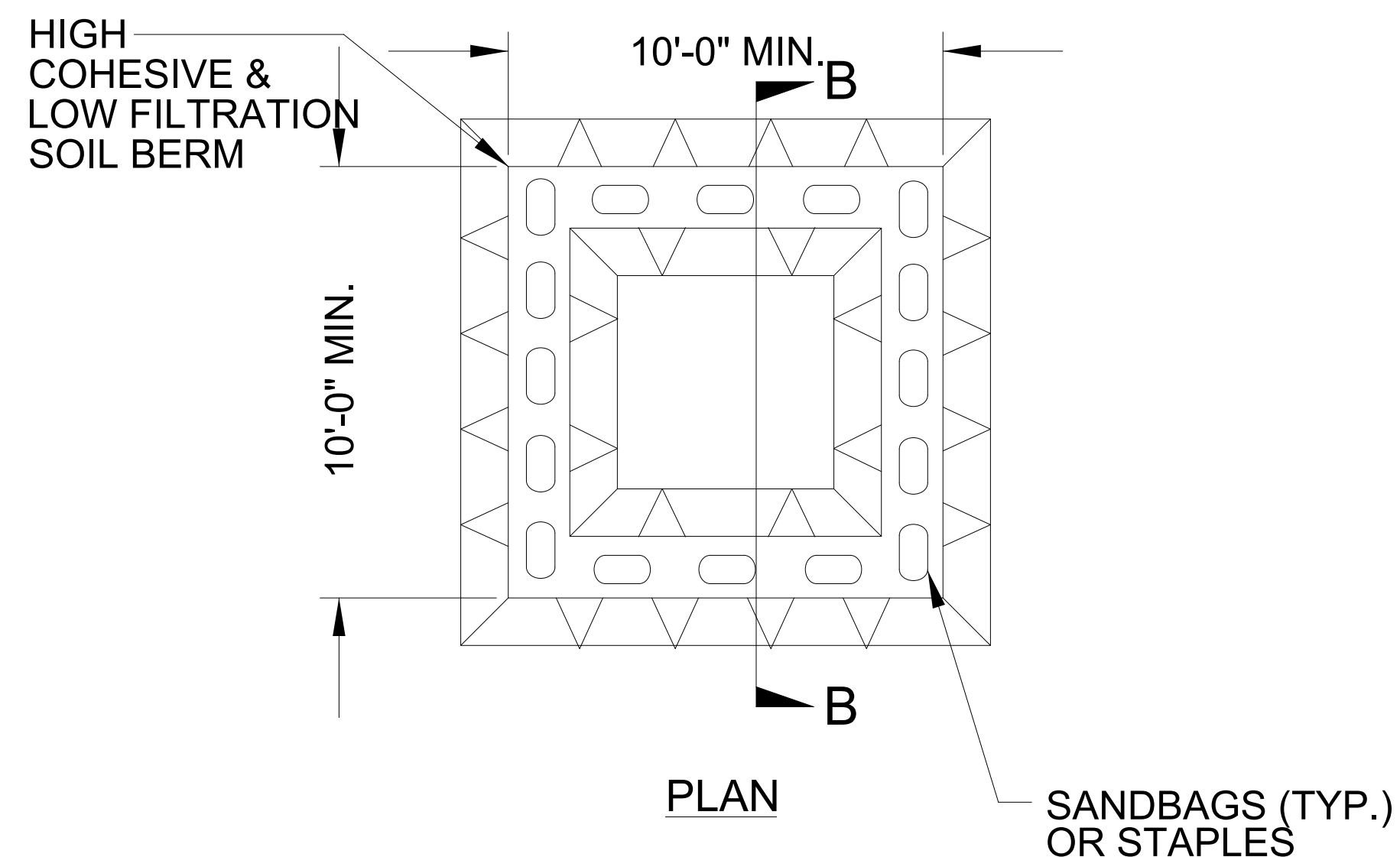
SIDE VIEW

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.

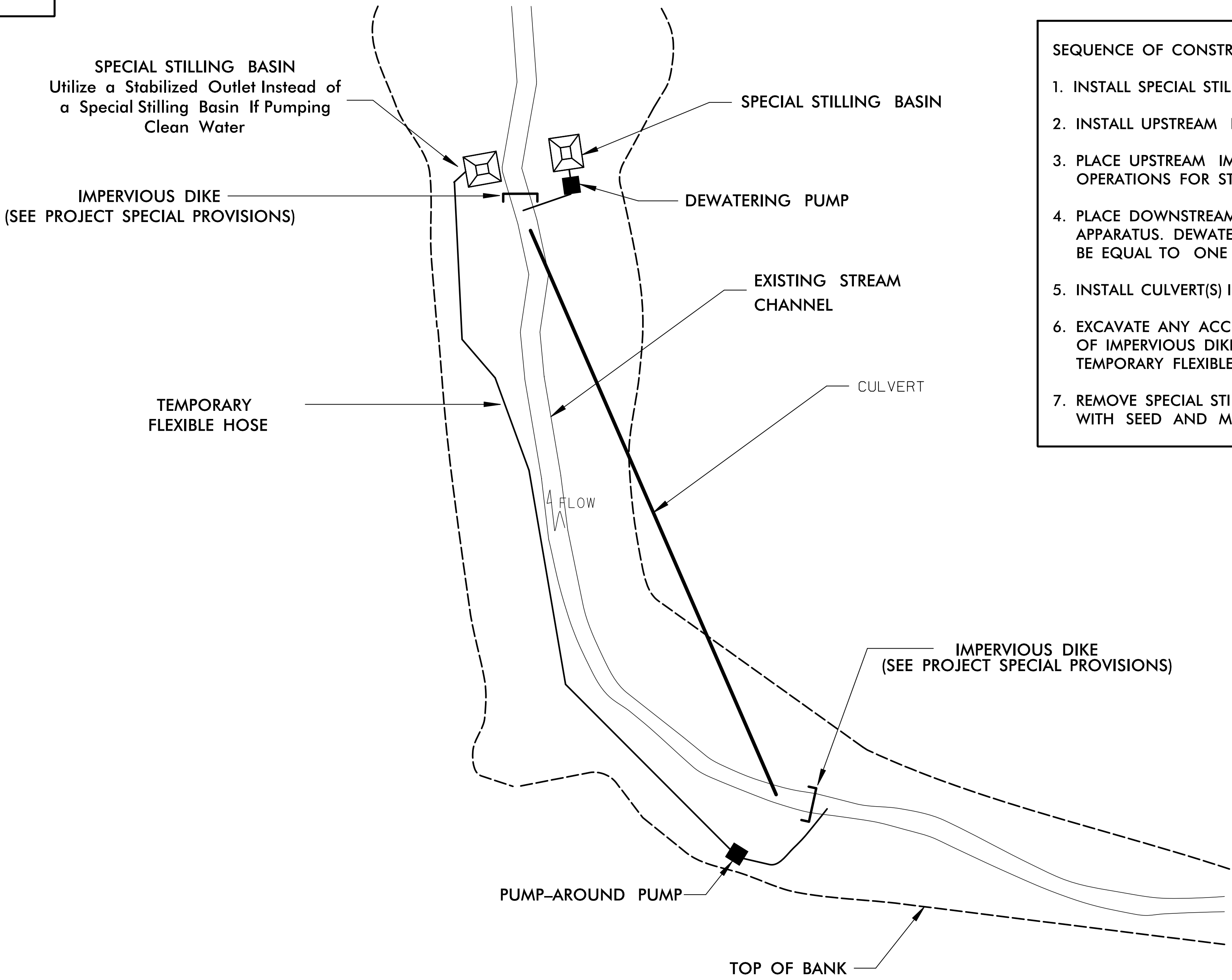


ABOVE GRADE WASHOUT STRUCTURE
NOT TO SCALE

- 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.

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 and quantity to dewater the work area and maintain stream bypass flow.



- 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.

PERMANENT SOIL REINFORCEMENT MAT

[illegible]

SOIL STABILIZATION TIMEFRAMES

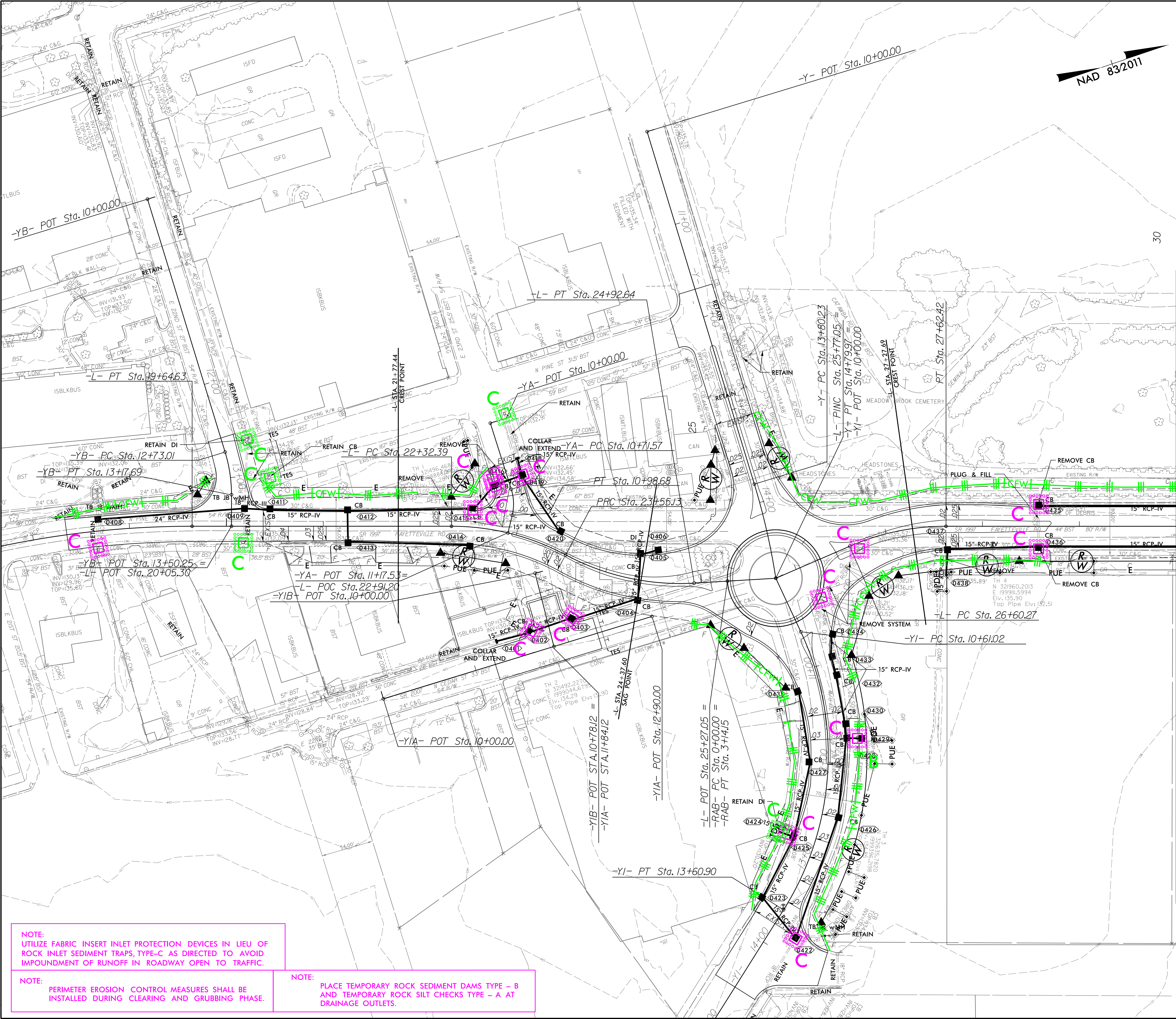
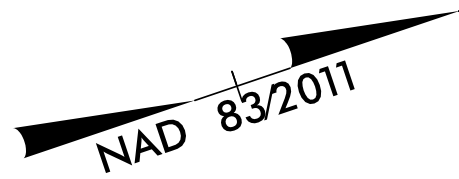
SITE DESCRIPTION	STABILIZATION TIME	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10’ OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 TO 4:1	14 DAYS	7 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	NONE, EXCEPT FOR PERIMETERS AND HQW ZONES.

8/17/99

10/29/2024
R:\Environmental\Design\PSH\U5797_ec_psh04.dgn
Smith

PROJECT REFERENCE NO.	SHEET NO.
U-5797	EC-4/CONST 4
stv STV Engineers, Inc. 900 West Trade St., Suite 715 Charlotte, NC 28202 NC License Number F-0991	

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 4



MATCHLINE -L- STA 30+00 SEE SHEET EC-5

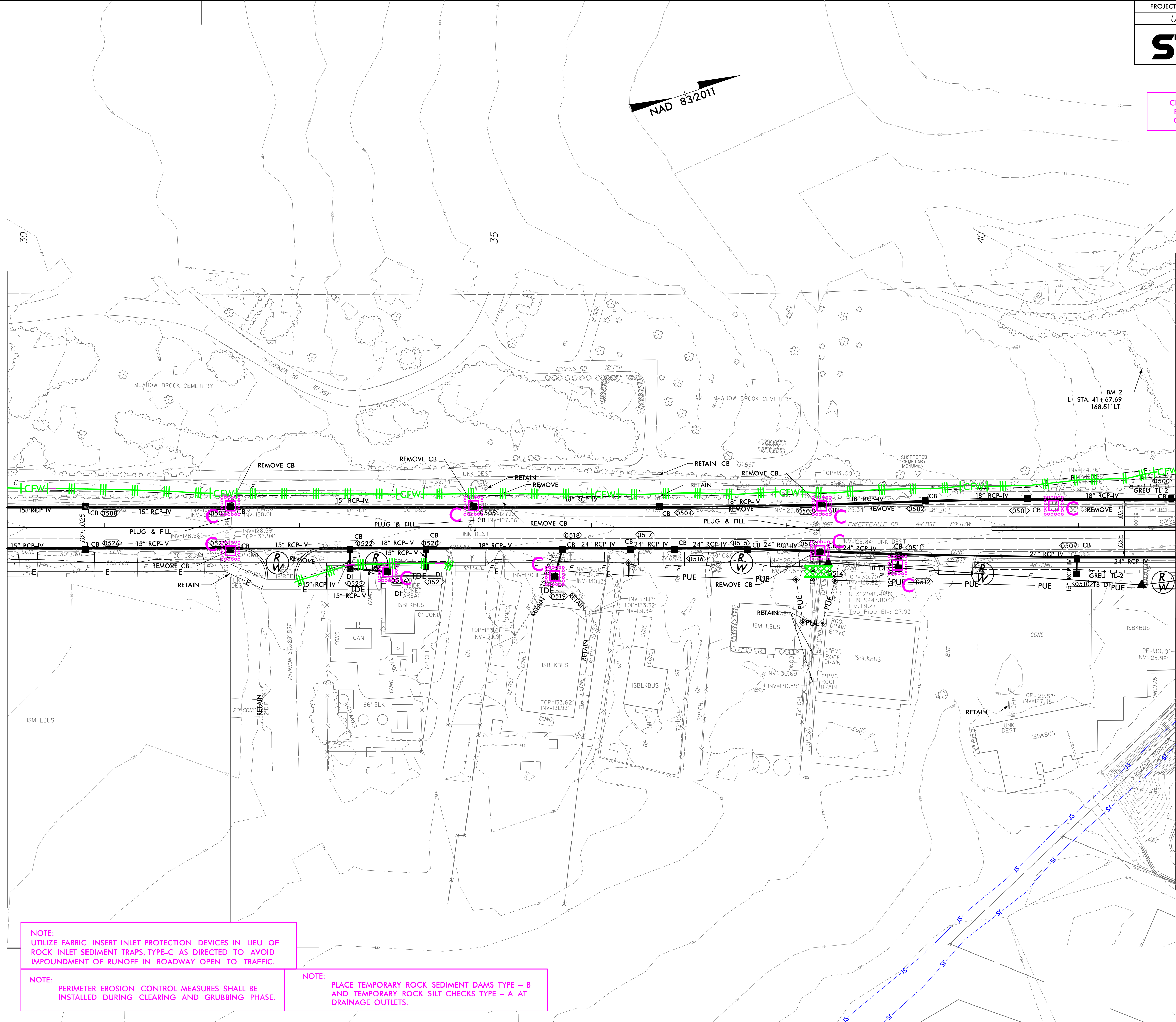
NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION DEVICES IN LIEU OF
ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID
IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

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

NOTE:
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 5

MATCHLINE -L- STA 30+00 SEE SHEET EC-4



NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION DEVICES IN LIEU OF
ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID
IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

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

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

MATCHLINE -L- STA 42+00 SEE SHEET EC-6

NAD 83/2011

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 6

MATCHLINE -L- STA 42+00 SEE SHEET EC-5

MATCHLINE -Y2- STA 23+00 SEE SHEET EC-10

MATCHLINE -L- S/A 34100
SEE SHEET EC-7

MATCHLINE -Y2- STA 32+00
SEE SHEET EC-II

Technical drawing details include:
 - Stationing: STA 32+00
 - Circles: R W
 - Points: P
 - Distances: 0673 Y, 0672 T, 0675 P
 - Handwritten notes: 0674 CB, 24, 0673 Y, 0672 T, 0675 P, 95, 18, 16, 15, 14, 13, 12, 11, 10, 9, 8, 7, 6, 5, 4, 3, 2, 1, 0

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

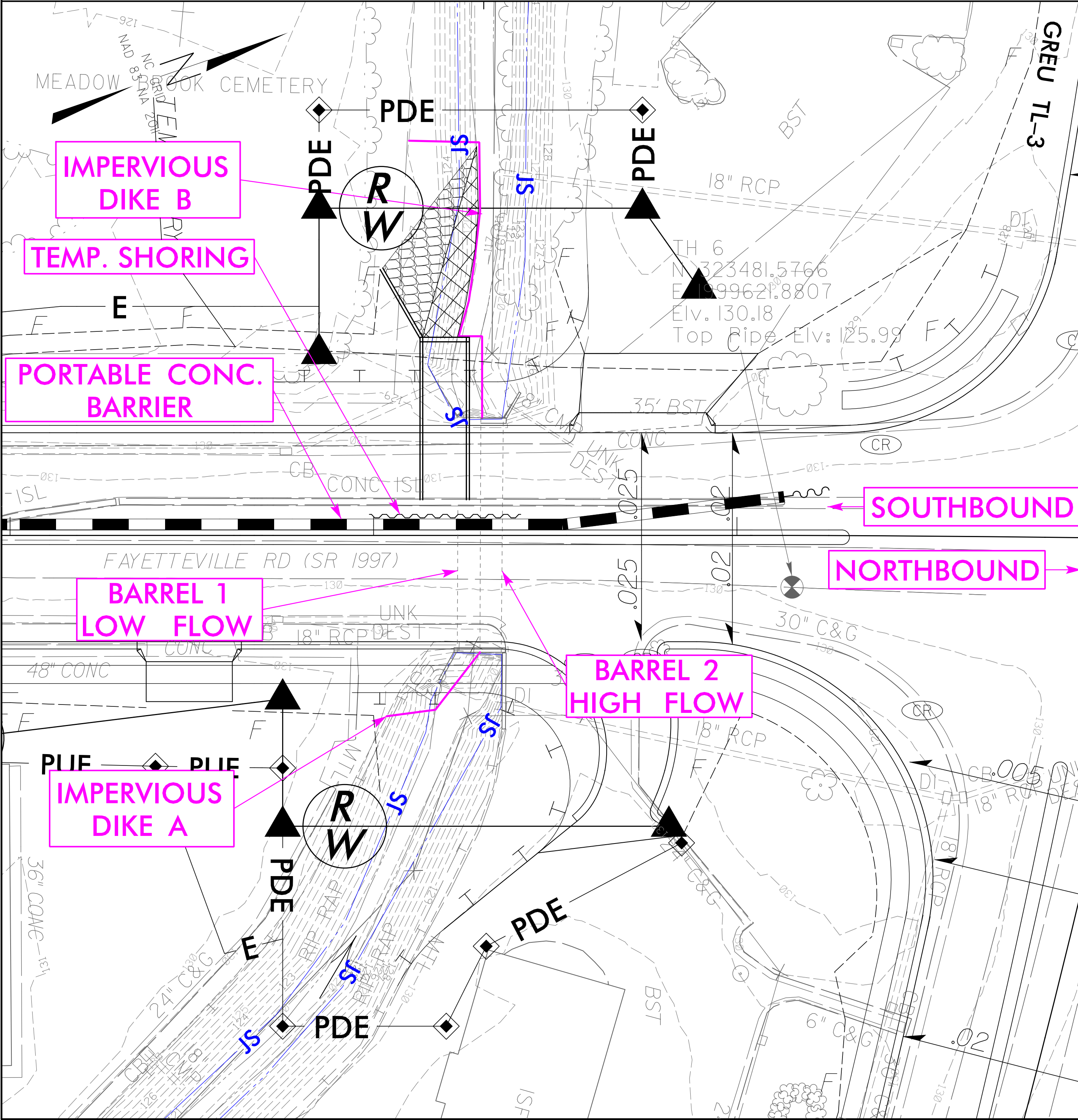
NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION DEVICES IN LIEU OF
ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID
IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

CULVERT CONSTRUCTION SEQUENCE STA. 43+26 -L-

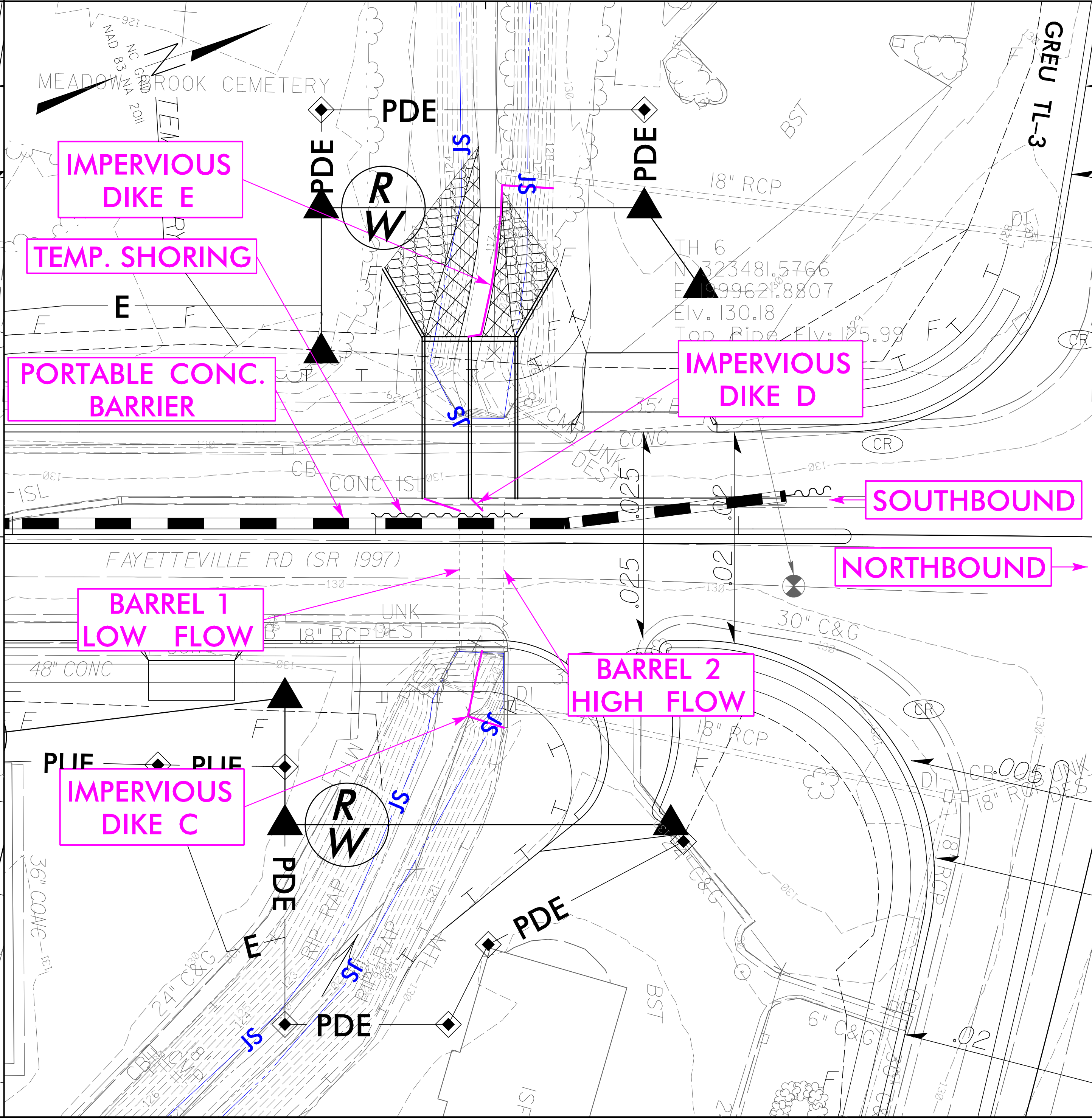
STAGE 1 (TMP PHASE V STEP 1)

1. UTILIZE SPECIAL STILLING BASIN(S) AS NEEDED THROUGHOUT CULVERT CONSTRUCTION.
2. INSTALL IMPERVIOUS DIKES A & B TO DIVERT WATER THROUGH BARREL 2 OF THE EXISTING CULVERT.
3. INSTALL PORTABLE CONCRETE BARRIER AND SHIFT TRAFFIC TO NORTH BOUND LANES.
4. INSTALL TEMPORARY SHORING AND REMOVE A PORTION OF BARREL 1 OF THE EXISTING CULVERT UNDERNEATH THE SOUTH BOUND LANES.
5. DEWATER PROPOSED CULVERT CONSTRUCTION AREA.
6. CONSTRUCT A PORTION OF PROPOSED LOW FLOW BARREL CULVERT, LEAVING THE NORTH BOUND LANES OPEN TO TRAFFIC.



STAGE 2 (TMP PHASE V STEP 1)

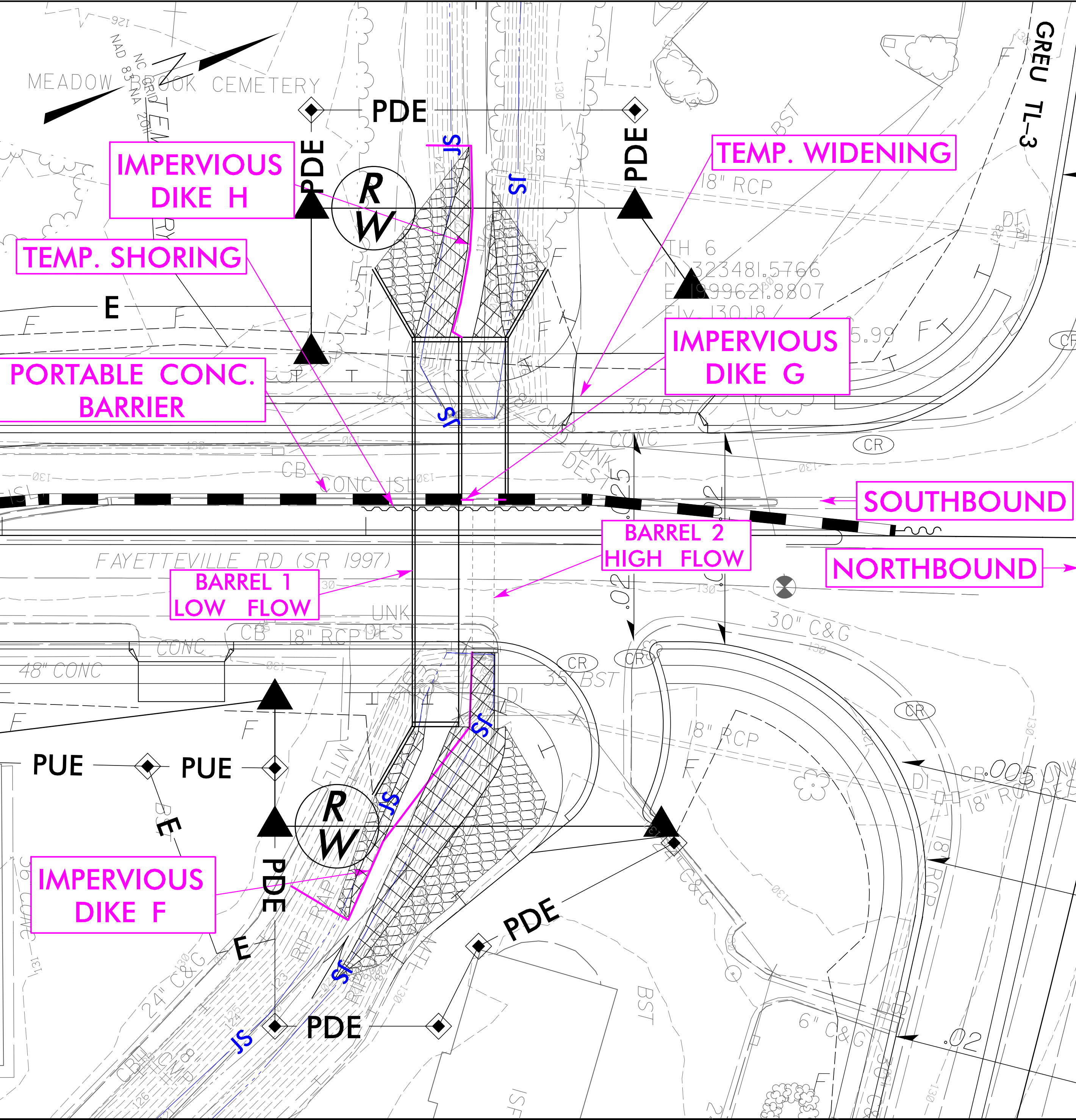
7. REMOVE IMPERVIOUS DIKES A AND B AND INSTALL IMPERVIOUS DIKES C, D, AND E. DIVERT FLOW TO EXISTING CULVERT BARREL 1 AND CONSTRUCTED PROPOSED LOW FLOW CULVERT BARREL.
8. REMOVE A PORTION OF EXISTING CULVERT BARREL 2 UNDER SOUTHBOUND LANES.
9. EXCAVATE ANY ACCUMULATED SILT AND DEWATER PROPOSED CULVERT CONSTRUCTION AREA.
10. CONSTRUCT A PORTION OF PROPOSED HIGH FLOW CULVERT BARREL, LEAVING THE NORTH BOUND LANES OPEN TO TRAFFIC.



CULVERT CONSTRUCTION SEQUENCE STA. 43+26 -L-

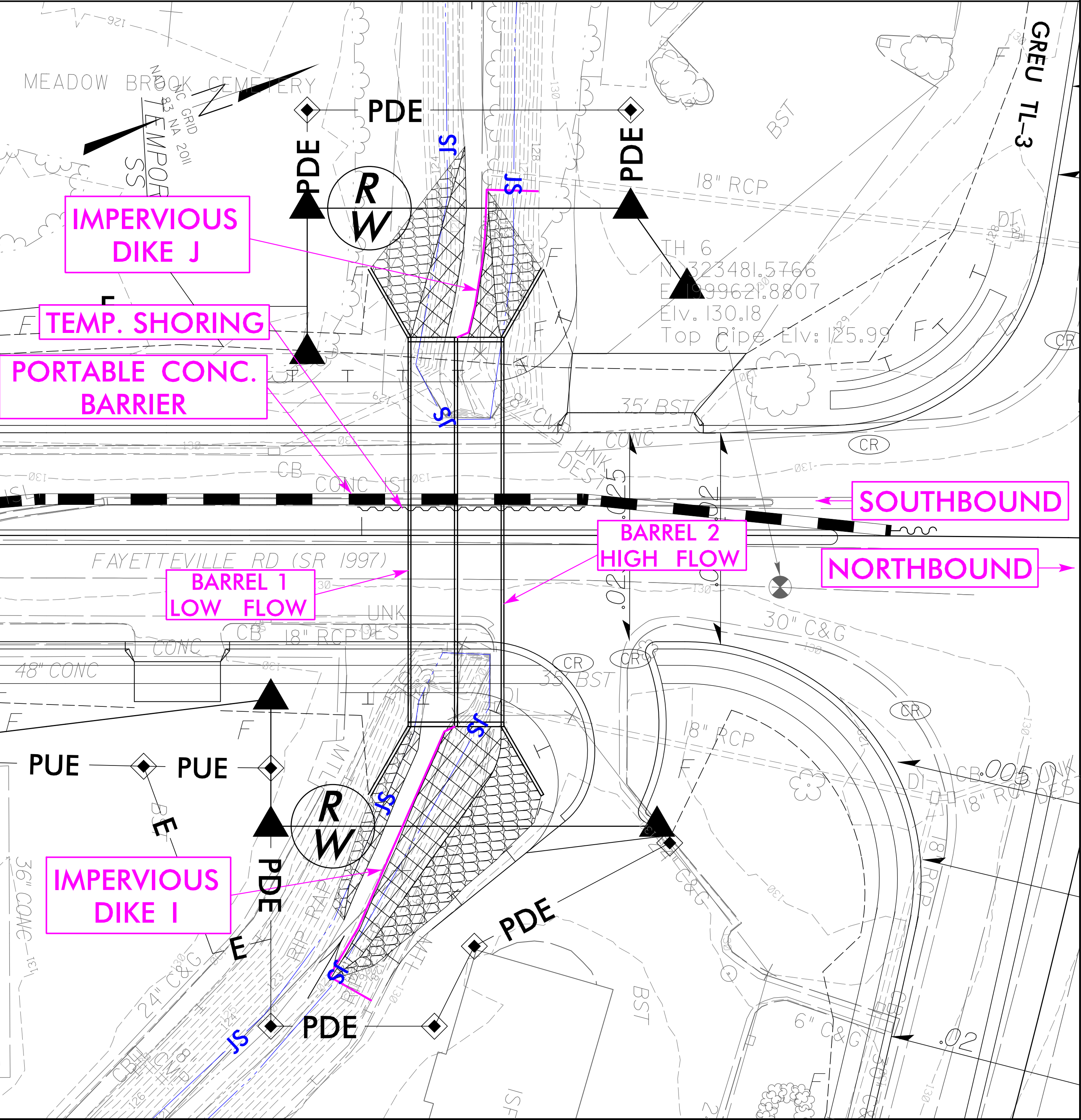
STAGE 3 (TMP PHASE VI STEP 4)

11. REMOVE IMPERVIOUS DIKES C, D, AND E. INSTALL IMPERVIOUS DIKES F, G, AND H TO DIVERT FLOW TO EXISTING CULVERT BARREL 2 AND PARTIALLY INSTALLED HIGH FLOW BARREL OF PROPOSED CULVERT.
12. INSTALL PORTABLE CONCRETE BARRIER, SHORING, TEMPORARY PAVEMENT AND SHIFT TRAFFIC TO SOUTH BOUND LANES.
13. EXCAVATE ANY ACCUMULATED SILT AND REMOVE REMAINING PORTION OF EXISTING CULVERT BARREL 1.
14. DEWATER PROPOSED CULVERT CONSTRUCTION AREA.
15. CONSTRUCT REMAINING PORTION OF PROPOSED LOW FLOW CULVERT BARREL LEAVING THE SOUTH BOUND LANES OPEN TO TRAFFIC.



STAGE 4 (TMP PHASE VI STEP 4)

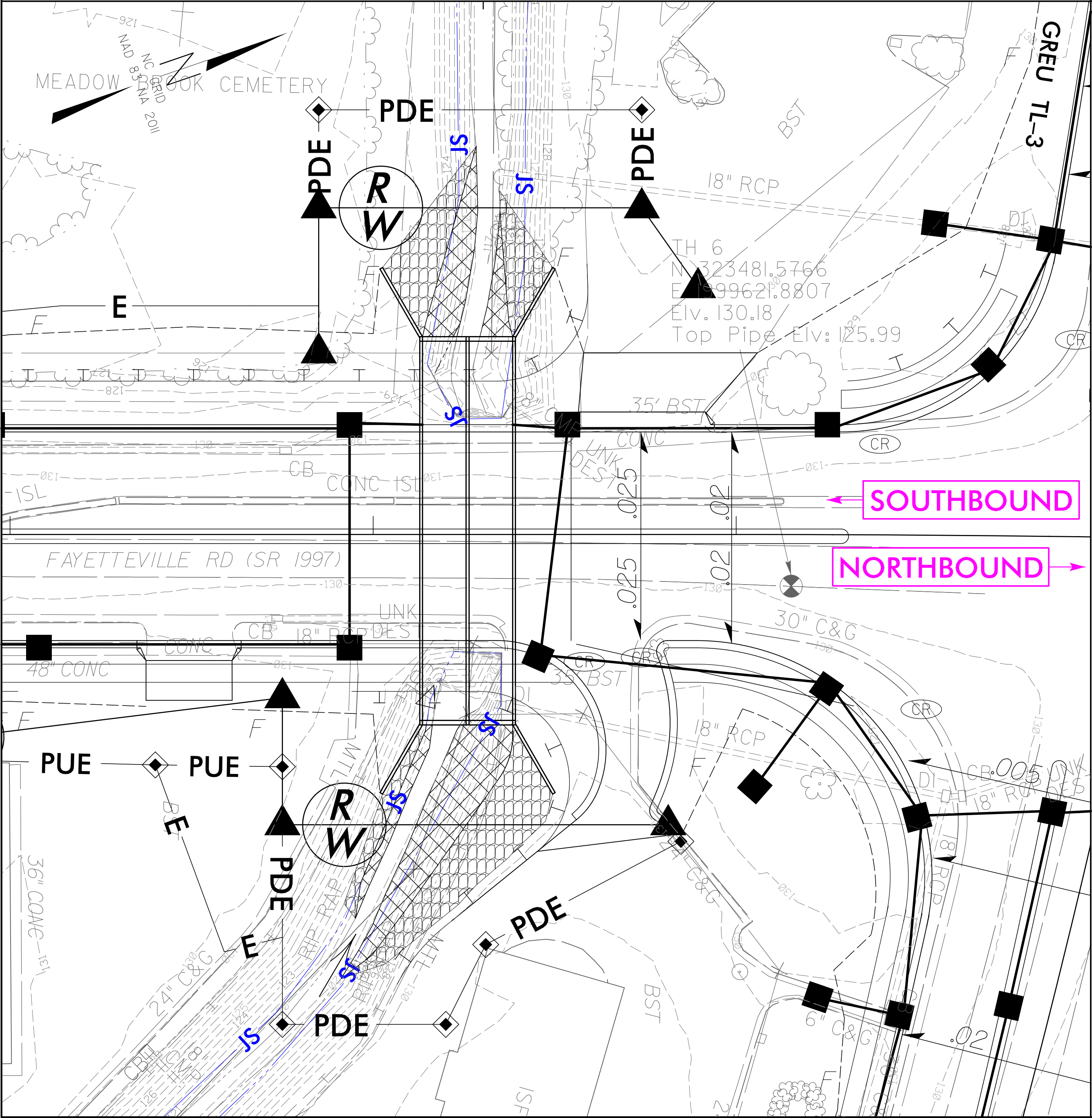
16. REMOVE IMPERVIOUS DIKES F, G, AND H AND INSTALL IMPERVIOUS DIKES I AND J. DIVERT FLOW TO COMPLETED PROPOSED CULVERT LOW FLOW BARREL.
17. EXCAVATE ANY ACCUMULATED SILT AND DEWATER PROPOSED CULVERT CONSTRUCTION AREA.
18. CONSTRUCT REMAINING PORTION OF PROPOSED HIGH FLOW BARREL TO COMPLETE CULVERT.

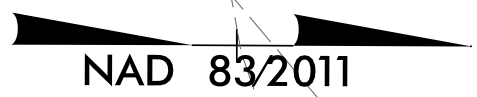


CULVERT CONSTRUCTION SEQUENCE STA. 43+26 -L-

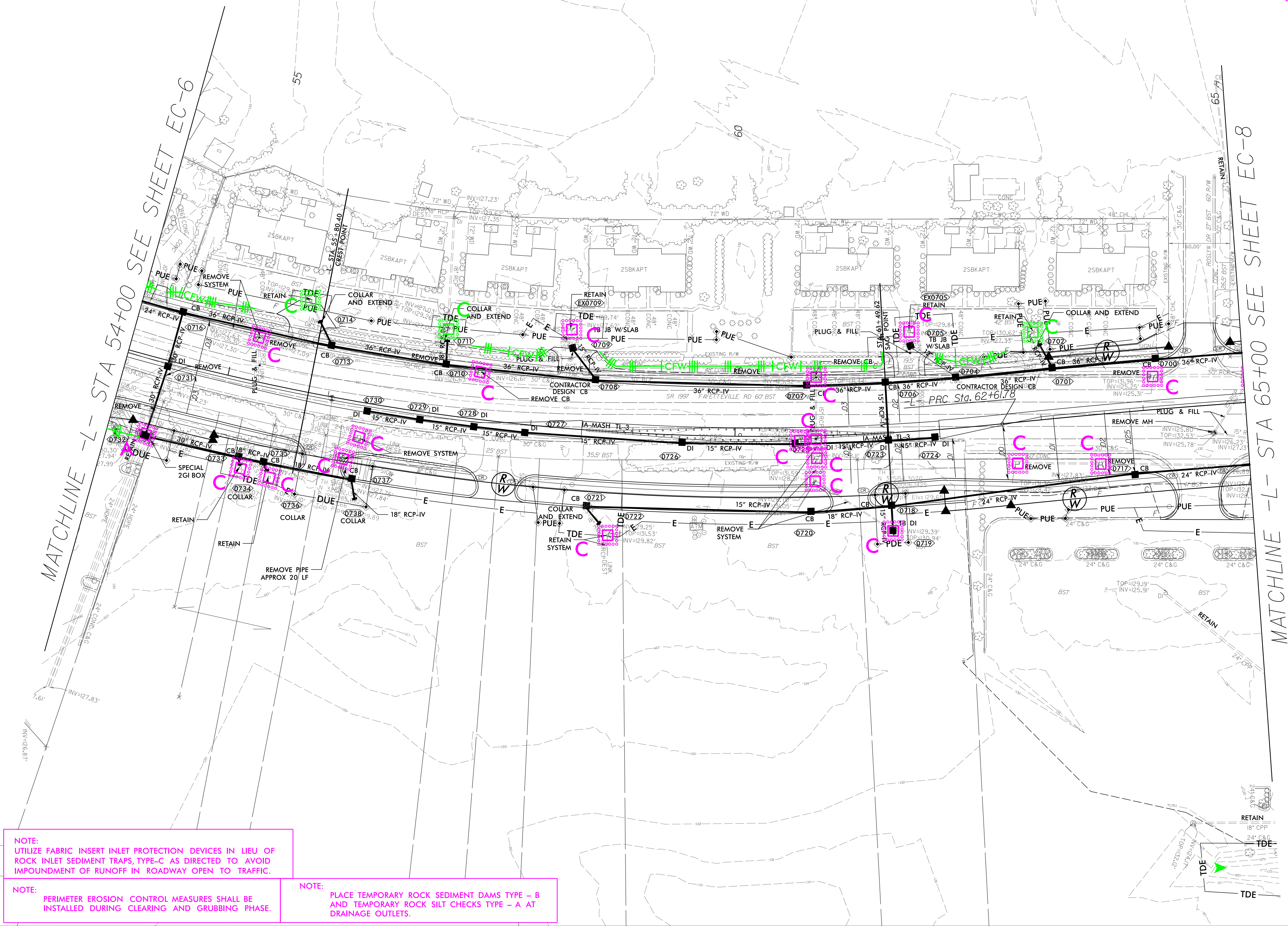
STAGE 5 (TMP PHASE VI STEP 4)

- 19. EXCAVATE ANY ACCUMULATED SILT AND DEWATER BEFORE REMOVAL OF IMPERVIOUS DIKES.
- 20. REMOVE IMPERVIOUS DIKES I AND J, ALLOWING NORMAL FLOW THROUGH THE PROPOSED CULVERT.
- 21. REMOVE TEMPORARY PAVEMENT, ANY REMAINING SPECIAL STILLING BASINS, STABILIZE DISTURBED AREA, AND COMPLETE ROADWAY.





CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 7



NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION DEVICES IN LIEU OF
ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID
IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

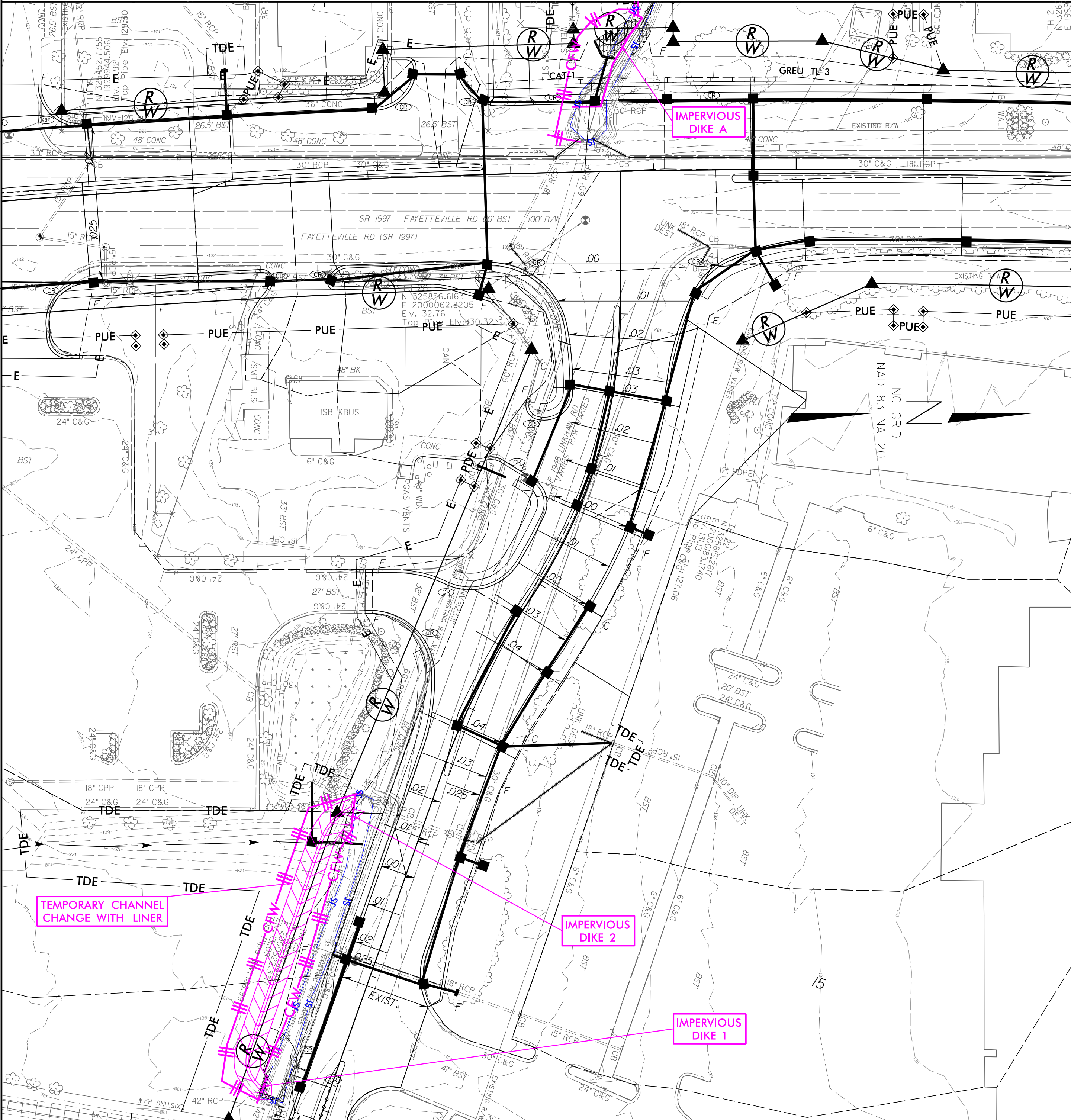
NOTE:
PERIMETER EROSION CONTROL MEASURES SHALL BE
INSTALLED DURING CLEARING AND GRUBBING PHASE.

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

CULVERT CONSTRUCTION SEQUENCE STA. 68+62 -L-

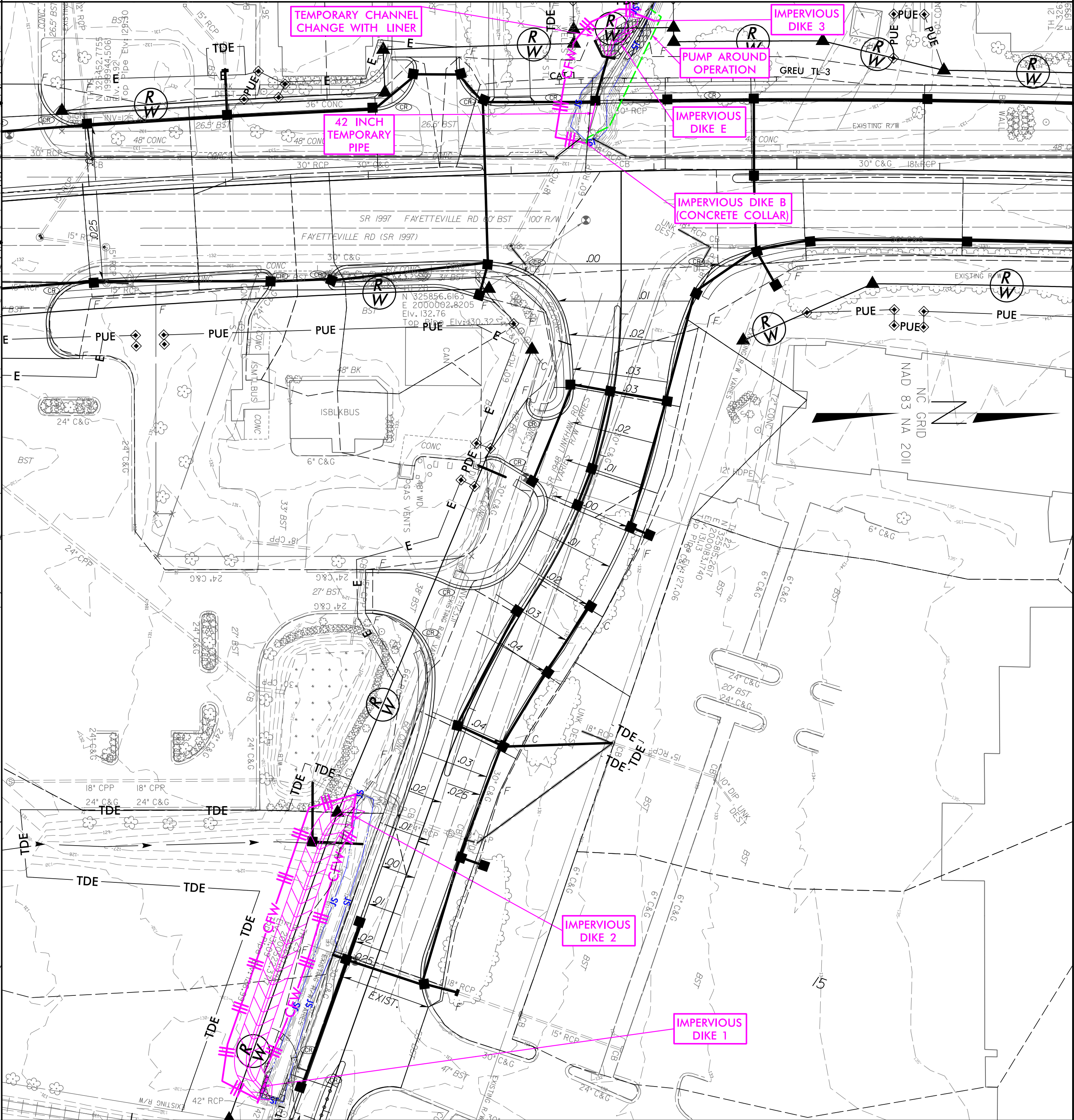
STAGE 1 (TMP PHASE IV STEP 1)

1. UTILIZE SPECIAL STILLING BASIN(S) AS NEEDED THROUGHOUT CULVERT CONSTRUCTION.
2. INSTALL IMPERVIOUS DIKE A AND DEWATER LEFT WINGWALL/HEADWALL AND BOX 0801 CONSTRUCTION AREA.
3. CONSTRUCT DOWNSTREAM LEFT WINGWALL AND HEADWALL. INSTALL BOX 0801.
4. CONSTRUCT DOWNSTREAM TEMPORARY CHANNEL CHANGE WITH LINER.
5. INSTALL IMPERVIOUS DIKES 1 AND 2. CONSTRUCT UPSTREAM TEMPORARY CHANNEL CHANGE WITH LINER.



STAGE 2 (TMP PHASE IV STEP 1)

1. INSTALL IMPERVIOUS DIKE B AND 3 AND PUMP AROUND OPERATION TO DEWATER WORK AREA.
2. REMOVE IMPERVIOUS DIKE A. INSTALL 42 INCH TEMPORARY PIPE TO BOX 0801 WITH CONCRETE COLLAR.



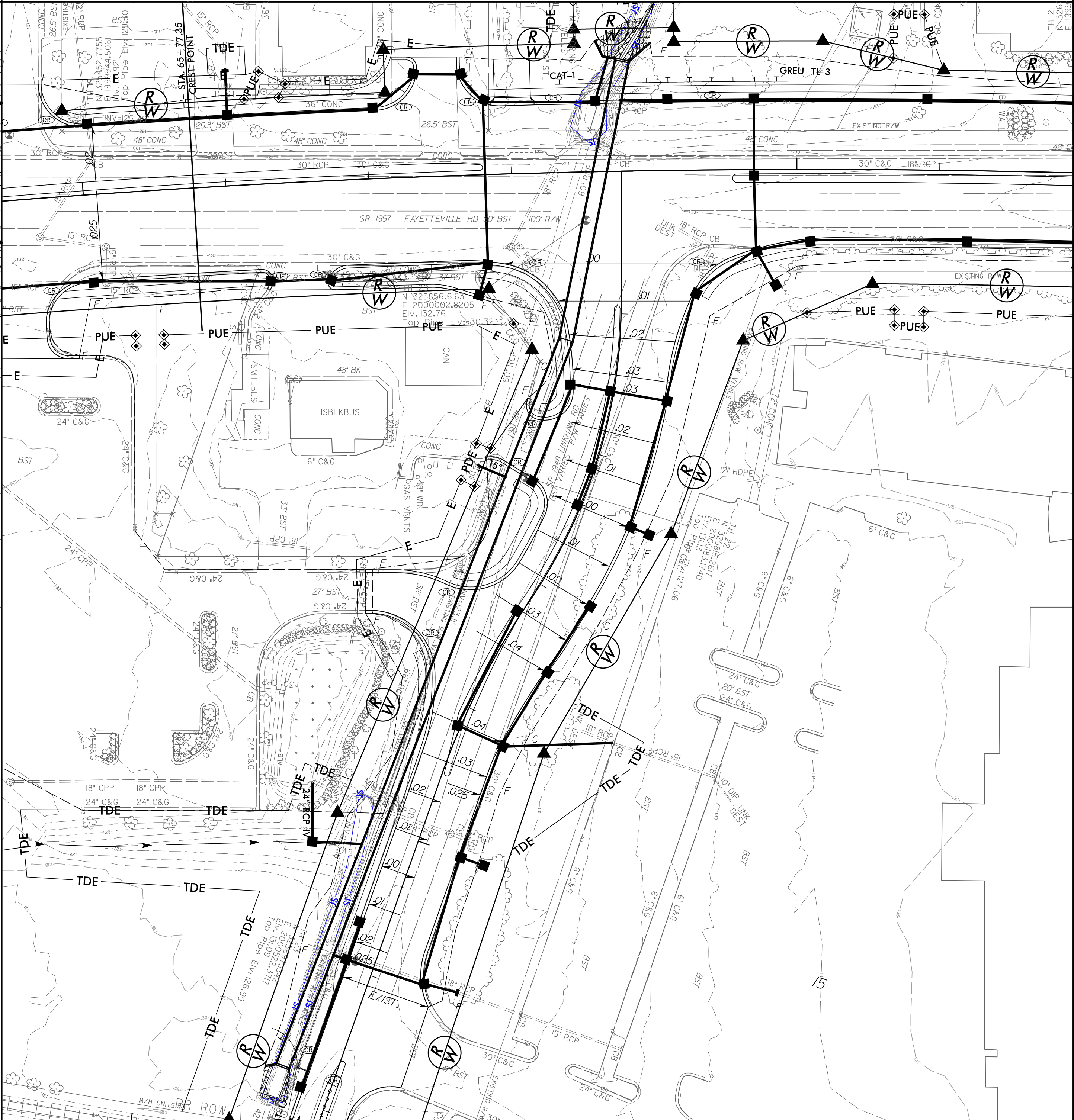
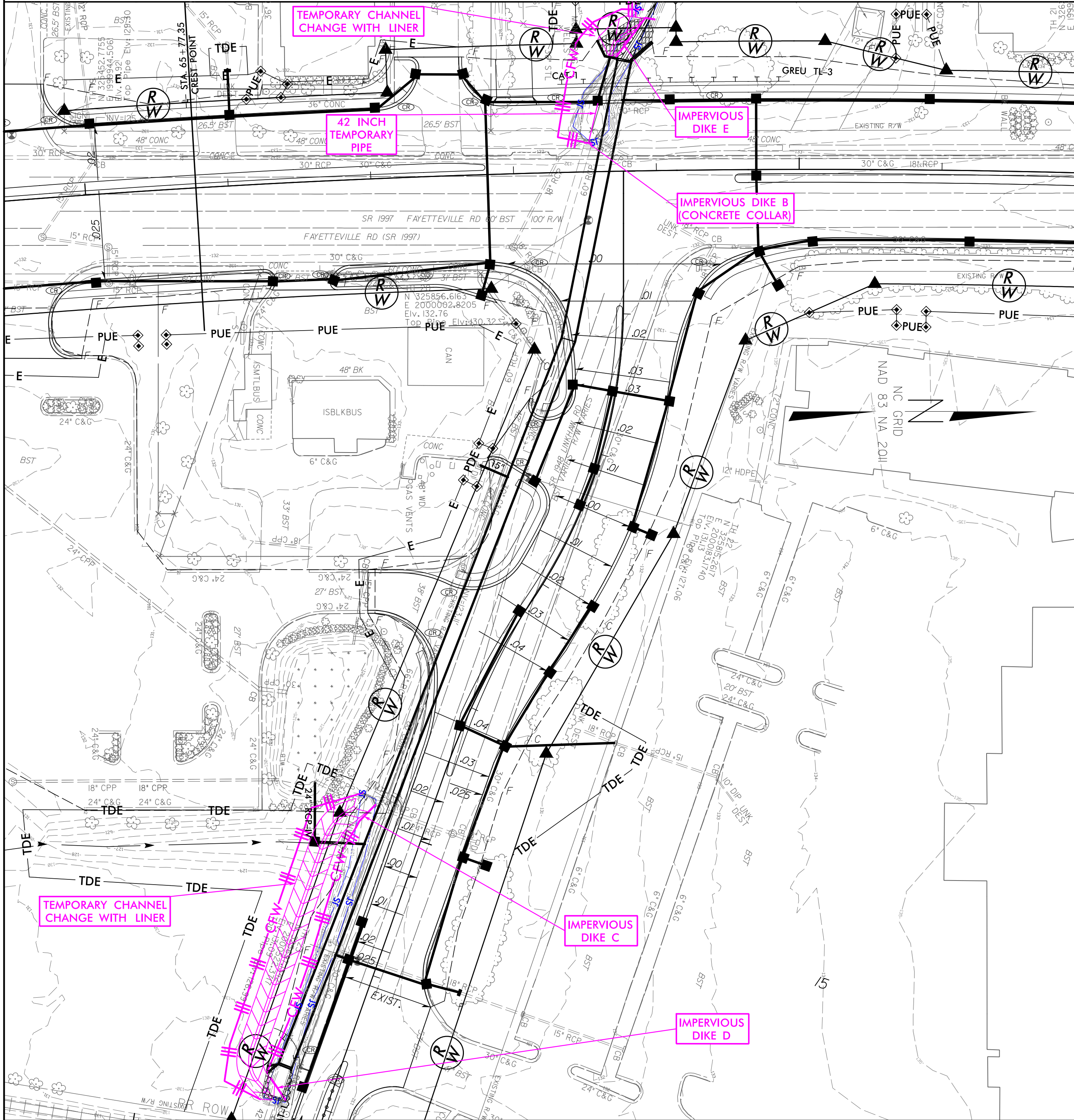
CULVERT CONSTRUCTION SEQUENCE STA. 68+62 -L-

STAGE 3 (TMP PHASE IV STEP 1)

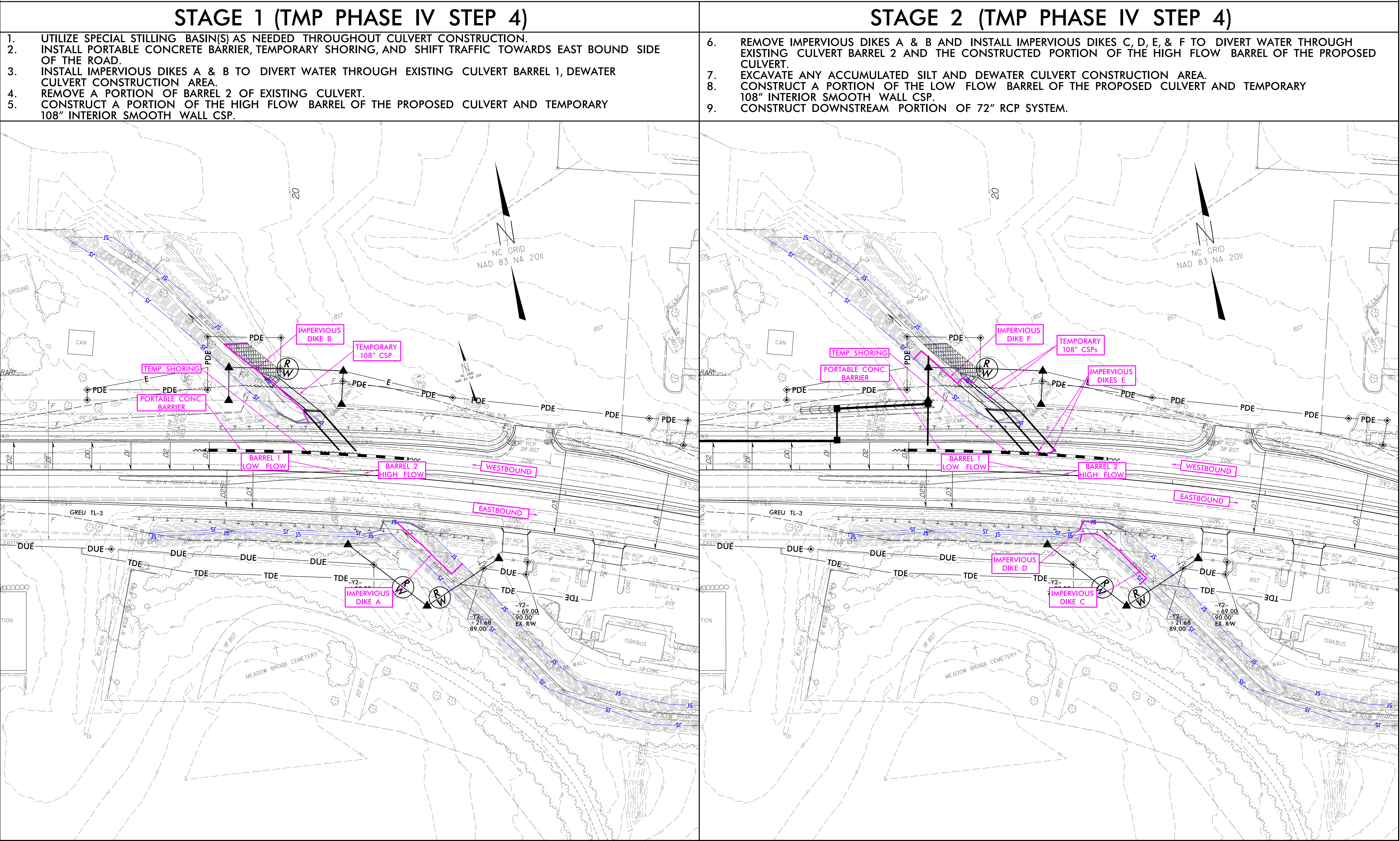
1. REMOVE DIKES 1,2, AND 3.
2. INSTALL IMPERVIOUS DIKES C, D, AND E DIVERTING FLOW AROUND CULVERT WORK AREA, INTO TEMPORARY CHANNEL CHANGES AND TEMPORARY 42 INCH RCP.
3. REMOVE PUMP AROUND OPERATION.
4. DEWATER CULVERT CONSTRUCTION AREA.
5. SEE TRAFFIC CONTROL PLAN FOR DETAILED PHASING.

STAGE 4 (TMP PHASE IV STEP 2)

1. CONSTRUCT PROPOSED CULVERT AND INLET CHANNEL IMPROVEMENTS.
2. REMOVE/PLUG AND FILL EXISTING PIPE CULVERTS AND TEMPORARY 42" RCP.
3. REMOVE IMPERVIOUS DIKES AND TEMPORARY CHANNELS, DIVERTING FLOW THROUGH PROPOSE CULVERT.
4. CONSTRUCT OUTLET CHANNEL IMPROVEMENTS.
5. REMOVE ANY REMAINING SPECIAL STILLING BASIN(S), STABILIZE DISTURBED AREAS, AND COMPLETE ROADWAY.



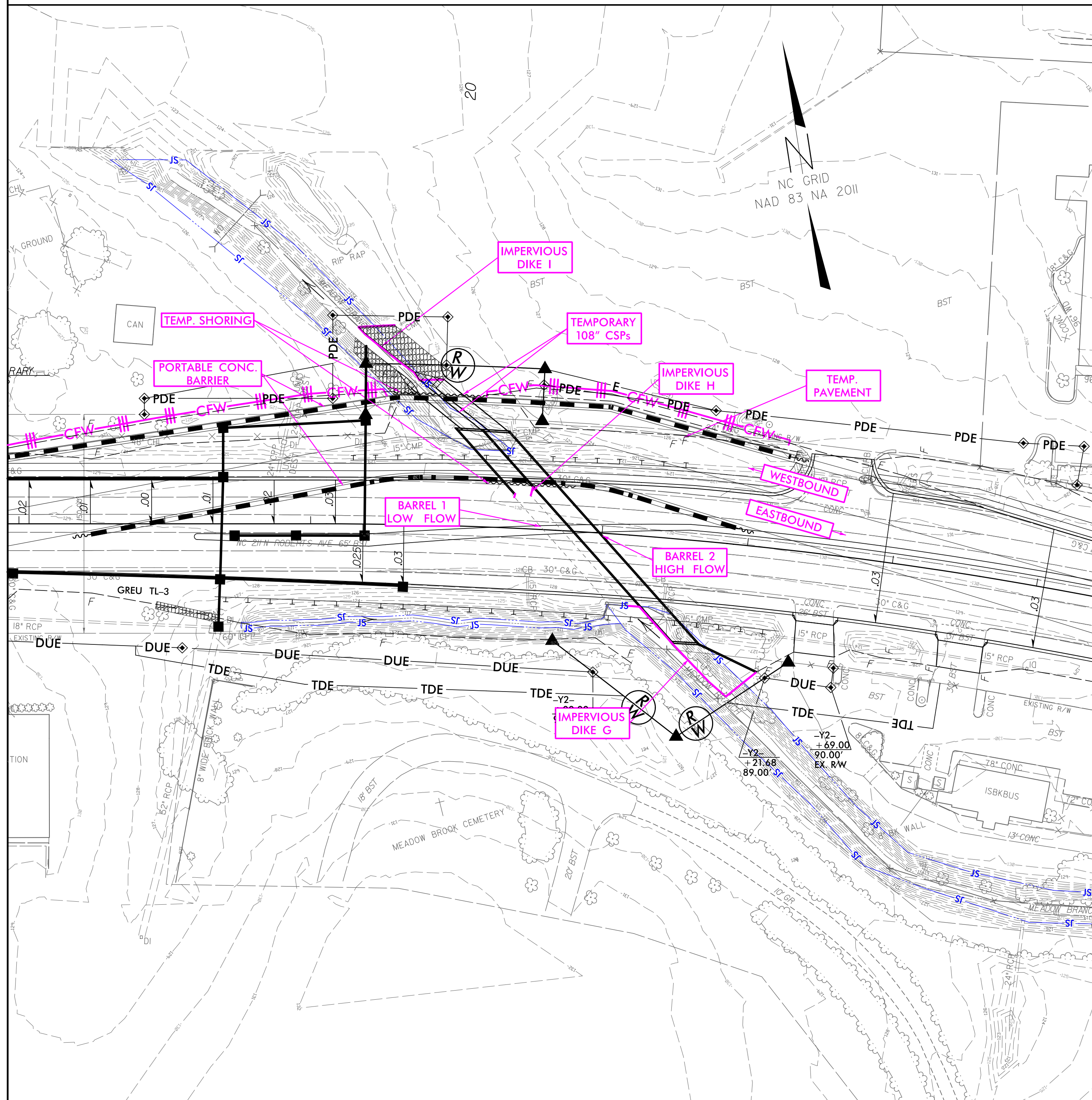
CULVERT CONSTRUCTION SEQUENCE STA. 20+80 -Y2-



CULVERT CONSTRUCTION SEQUENCE STA. 20+80 -Y2-

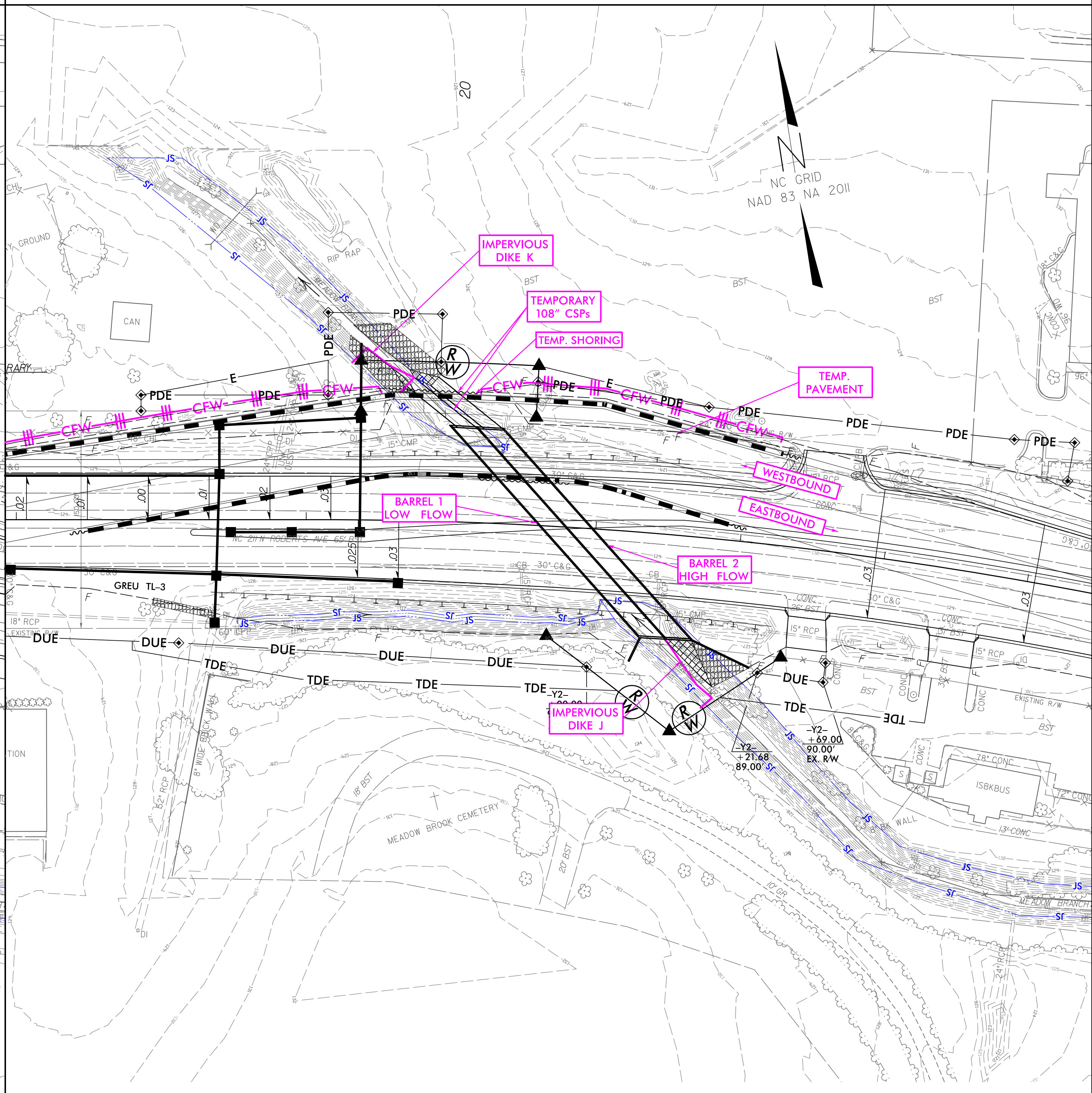
STAGE 3 (TMP PHASE V STEP 1)

10. SHIFT TRAFFIC TO TEMPORARY PAVEMENT (SEE TRAFFIC CONTROL PLANS FOR DETAILS).
11. REMOVE IMPERVIOUS DIKES C, D, E, AND F AND INSTALL IMPERVIOUS DIKES G, H, AND I TO MAINTAIN FLOW THROUGH EXISTING CULVERT BARREL 1 AND CONSTRUCTED PORTION OF THE LOW FLOW BARREL OF THE PROPOSED CULVERT.
12. REMOVE REMAINING PORTION OF EXISTING CULVERT BARREL 2.
13. REMOVE ANY ACCUMULATED SILT AND DEWATER CULVERT CONSTRUCTION AREA.
14. CONSTRUCT THE REST OF THE HIGH FLOW BARREL OF THE PROPOSED CULVERT.
15. INSTALL THE UPSTREAM PORTION OF THE 72" RCP SYSTEM. FILL IN CHANNEL ON SOUTH SIDE OF THE ROAD TO TIE INTO PROPOSED UPSTREAM WINGWALLS OF 72" RCP SYSTEM AS DIRECTED BY FILL LINES.



STAGE 4 (TMP PHASE V STEP 1)

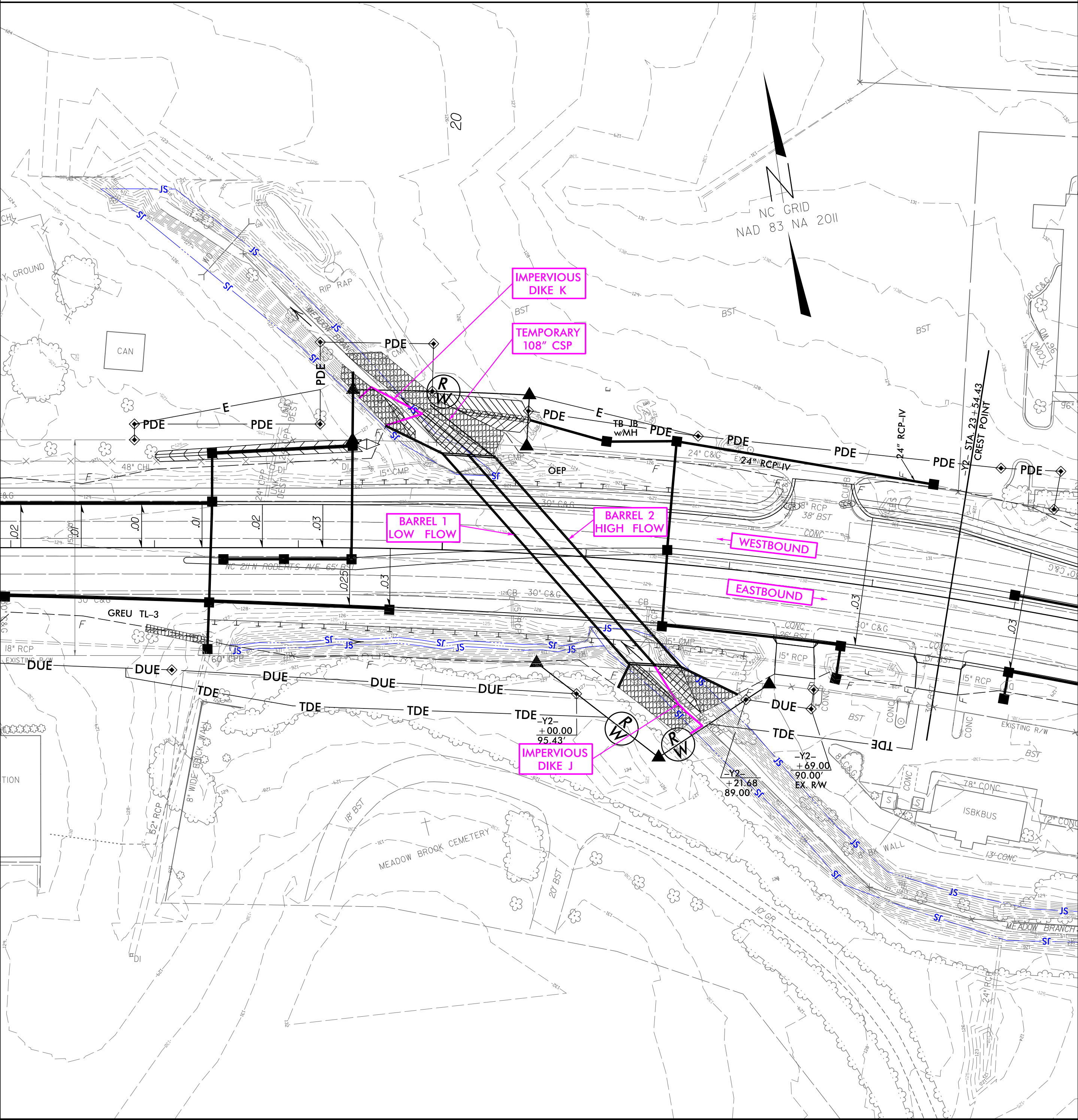
16. REMOVE IMPERVIOUS DIKES G, H, AND I AND INSTALL IMPERVIOUS DIKES J AND K TO DIVERT FLOW TO THE CONSTRUCTED HIGH FLOW BARREL OF THE PROPOSED CULVERT.
17. REMOVE THE REMAINING PORTION OF EXISTING CULVERT BARREL 1.
18. REMOVE ANY ACCUMULATED SILT AND DEWATER CULVERT CONSTRUCTION AREA.
19. CONSTRUCT THE REST OF THE LOW FLOW BARREL OF THE PROPOSED CULVERT.



CULVERT CONSTRUCTION SEQUENCE STA. 20+80 -Y2-

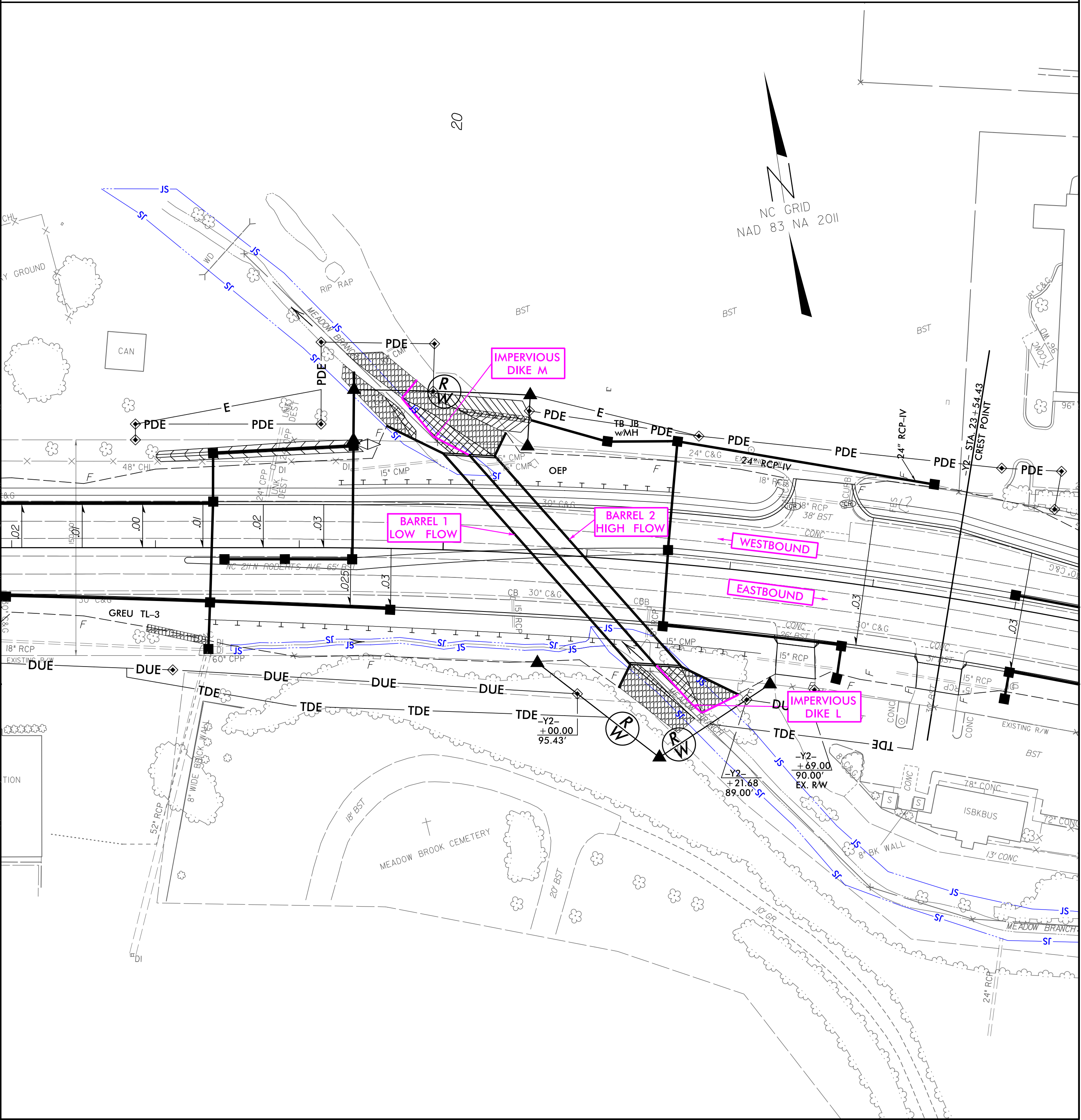
STAGE 5 (TMP PHASE VI STEP 1)

- 20. SHIFT TRAFFIC TO CONSTRUCTED LANES, REMOVE TEMPORARY PAVEMENT, AND REMOVE TEMP. 108" CSP AT BARREL 1.
- 21. COMPLETE WINGWALL ON UPSTREAM END OF PROPOSED CULVERT BARREL 1.
- 22. EXCAVATE ANY ACCUMULATED SILT AND DEWATER BEFORE REMOVAL OF IMPERVIOUS DIKES.
- 23. REMOVE IMPERVIOUS DIKES J AND K, ALLOWING NORMAL FLOW THROUGH THE PROPOSED BARREL 1.



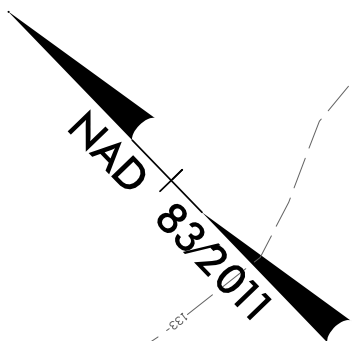
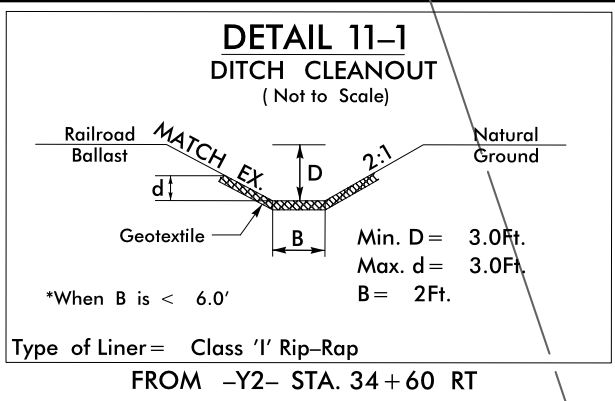
STAGE 6 (TMP PHASE VI STEP 1)

- 24. INSTALL IMPERVIOUS DIKES L AND M TO MAINTAIN FLOW THROUGH PROPOSED CULVERT BARREL 1.
- 25. COMPLETE WINGWALLS ON UPSTREAM END OF PROPOSED CULVERT BARREL 2.
- 26. EXCAVATE ANY ACCUMULATED SILT AND DEWATER BEFORE REMOVAL OF IMPERVIOUS DIKES.
- 27. REMOVE IMPERVIOUS DIKES L AND M ALLOWING NORMAL FLOW THROUGH PROPOSED BARRELS 1 AND 2.
- 28. COMPLETE CHANNEL IMPROVEMENTS AND RIP RAP EMBANKMENTS ON UPSTREAM AND DOWNSTREAM ENDS OF CULVERT.
- 29. REMOVE ANY REMAINING SPECIAL STILLING BASINS, STABILIZE DISTURBED AREA, AND COMPLETE ROADWAY.

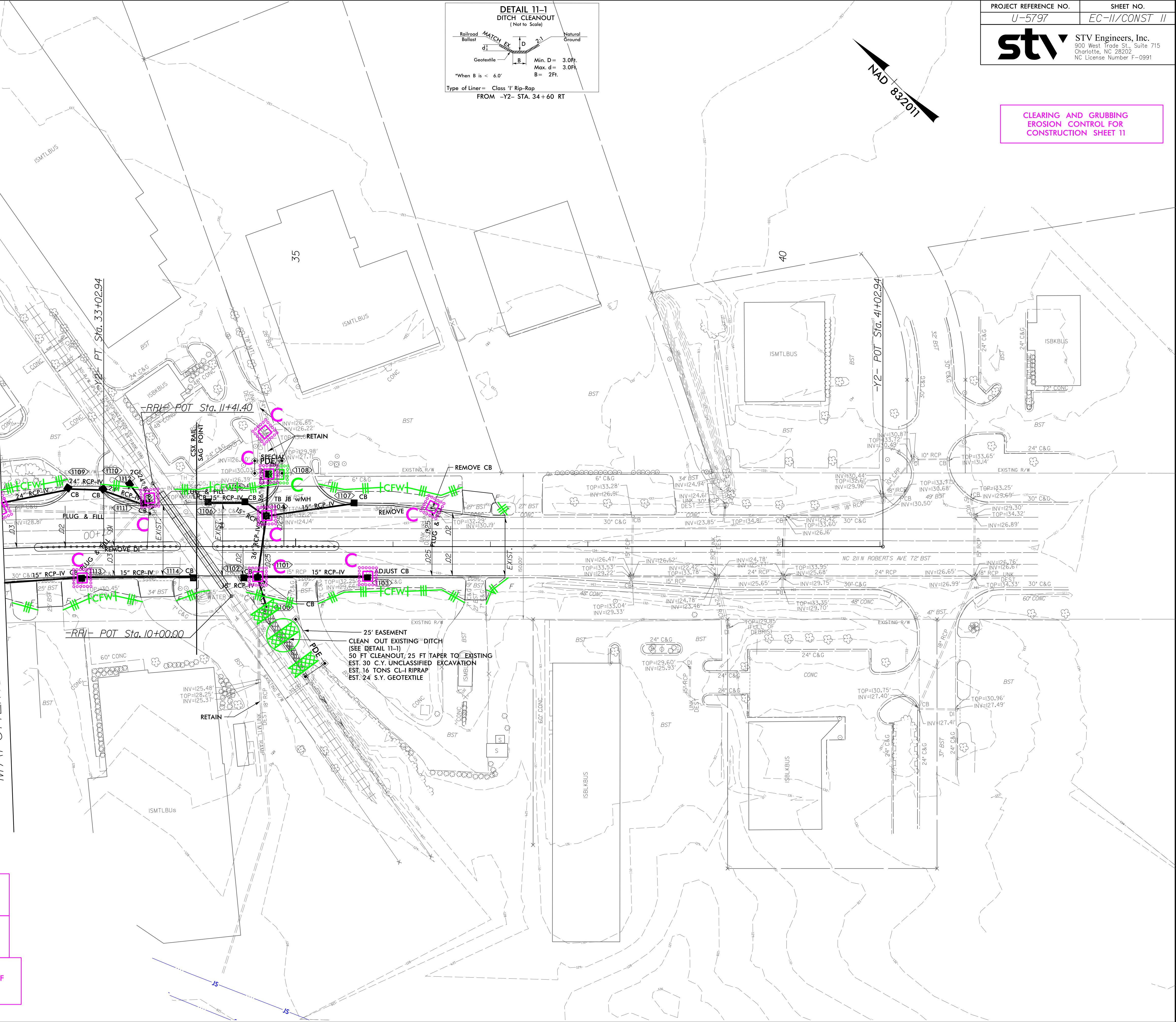


PROJECT REFERENCE NO.	SHEET NO.
U-5797	EC-II/CONST II
stv STV Engineers, Inc. 900 West Trade St., Suite 715 Charlotte, NC 28202 NC License Number F-0991	

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 11



MATCHLINE -Y2- STA 32+00 SEE SHEET EC-6

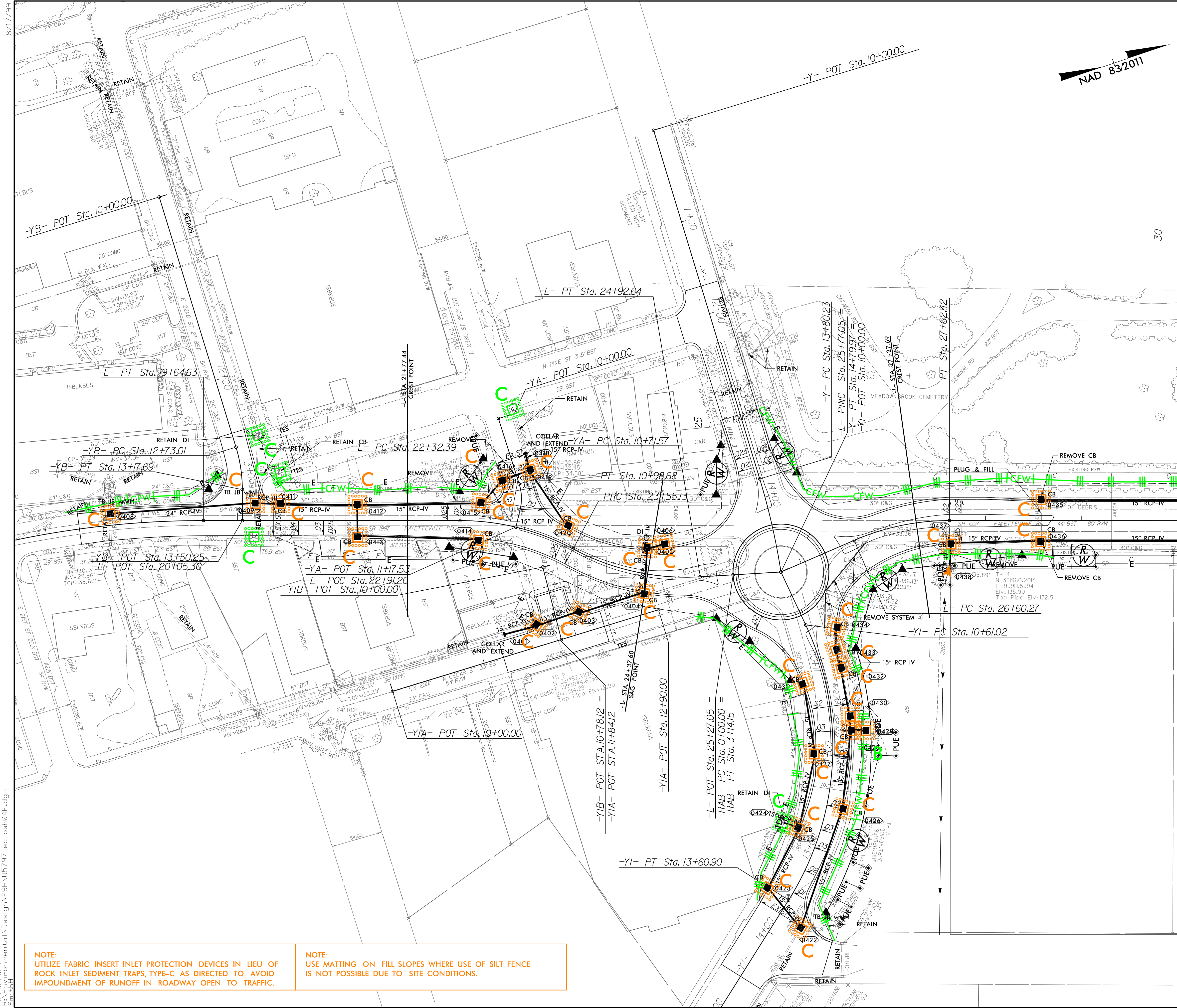


NOTE:
PERIMETER EROSION CONTROL MEASURES SHALL BE
INSTALLED DURING CLEARING AND GRUBBING PHASE.

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

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION DEVICES IN LIEU OF
ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID
IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

10/29/2024
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Smith



PROJECT REFERENCE NO.	SHEET NO.
U-5797	EC-12/CONST 4
stv STV Engineers, Inc. 900 West Trade St., Suite 715 Charlotte, NC 28202 NC License Number F-0991	

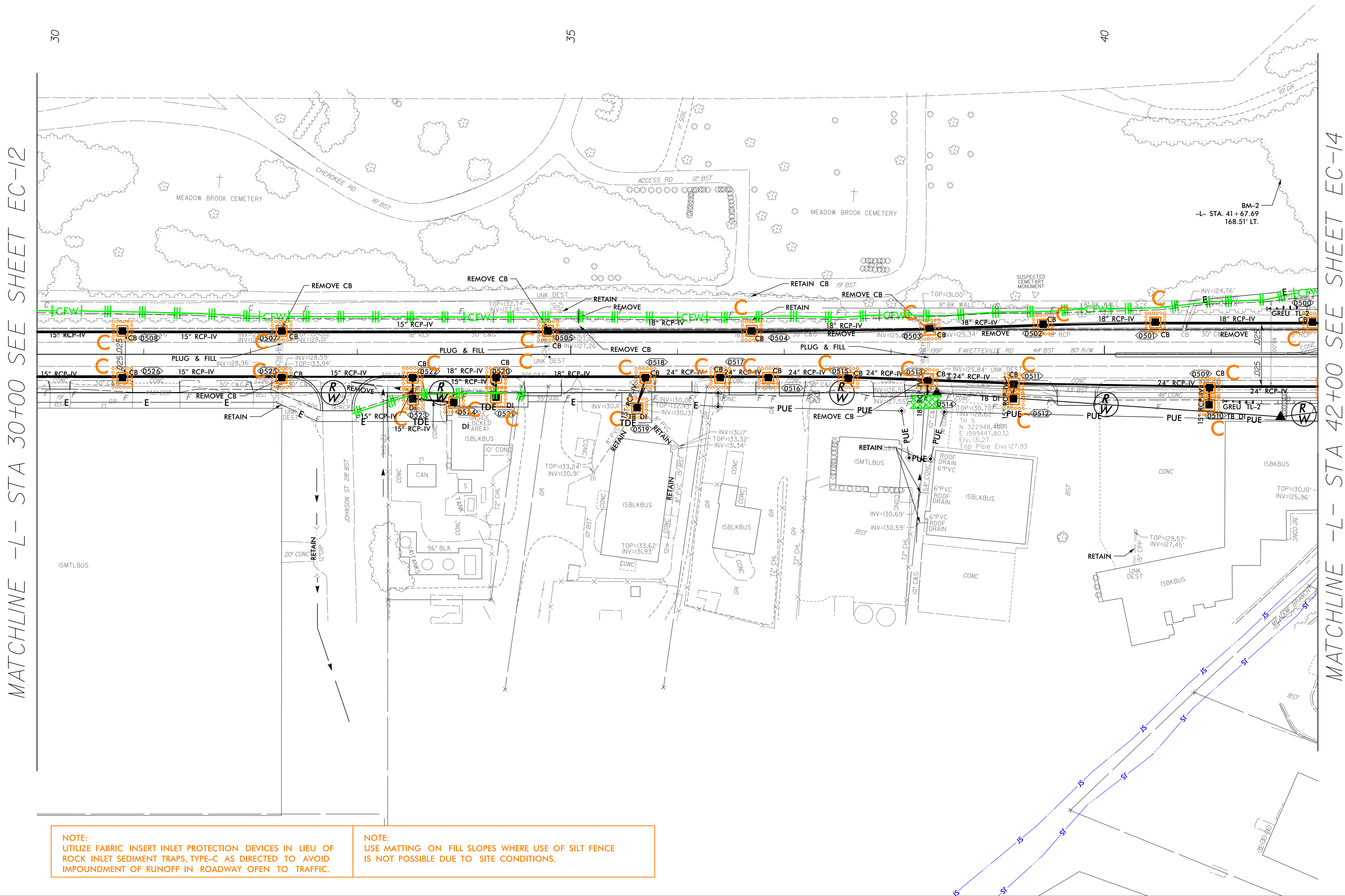
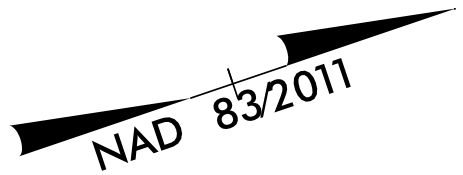
FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 4

MATCHLINE -L- STA 30+00 SEE SHEET EC-13

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION DEVICES IN LIEU OF
ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID
IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

NOTE:
USE MATTING ON FILL SLOPES WHERE USE OF SILT FENCE
IS NOT POSSIBLE DUE TO SITE CONDITIONS.

FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 5



MATCHLINE -L- STA 30+00 SEE SHEET EC-12

MATCHLINE -L- STA 42+00 SEE SHEET EC-14

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION DEVICES IN LIEU OF
ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID
IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

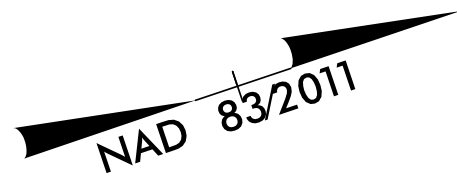
NOTE:
USE MATTING ON FILL SLOPES WHERE USE OF SILT FENCE
IS NOT POSSIBLE DUE TO SITE CONDITIONS.

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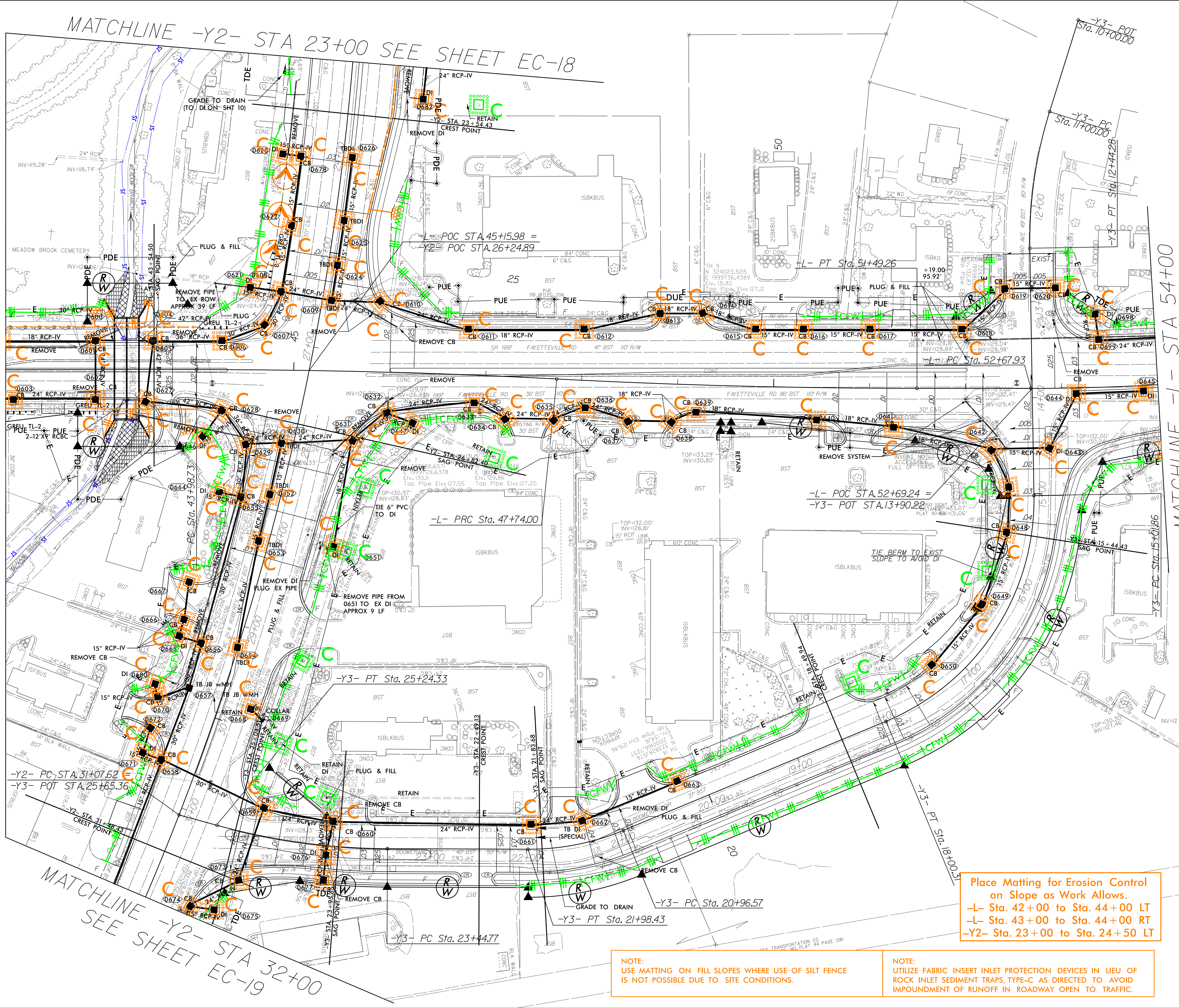
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PROJECT REFERENCE NO.	SHEET NO.
U-5797	EC-14/CONST 6
stv STV Engineers, Inc. 900 West Trade St., Suite 715 Charlotte, NC 28202 NC License Number F-0991	

FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 6



MATCHLINE -L- STA 42+00 SEE SHEET EC-13

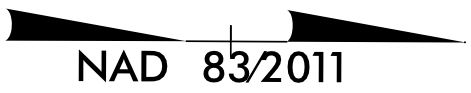


MATCHLINE -L- STA 54+00
SEE SHEET EC-15

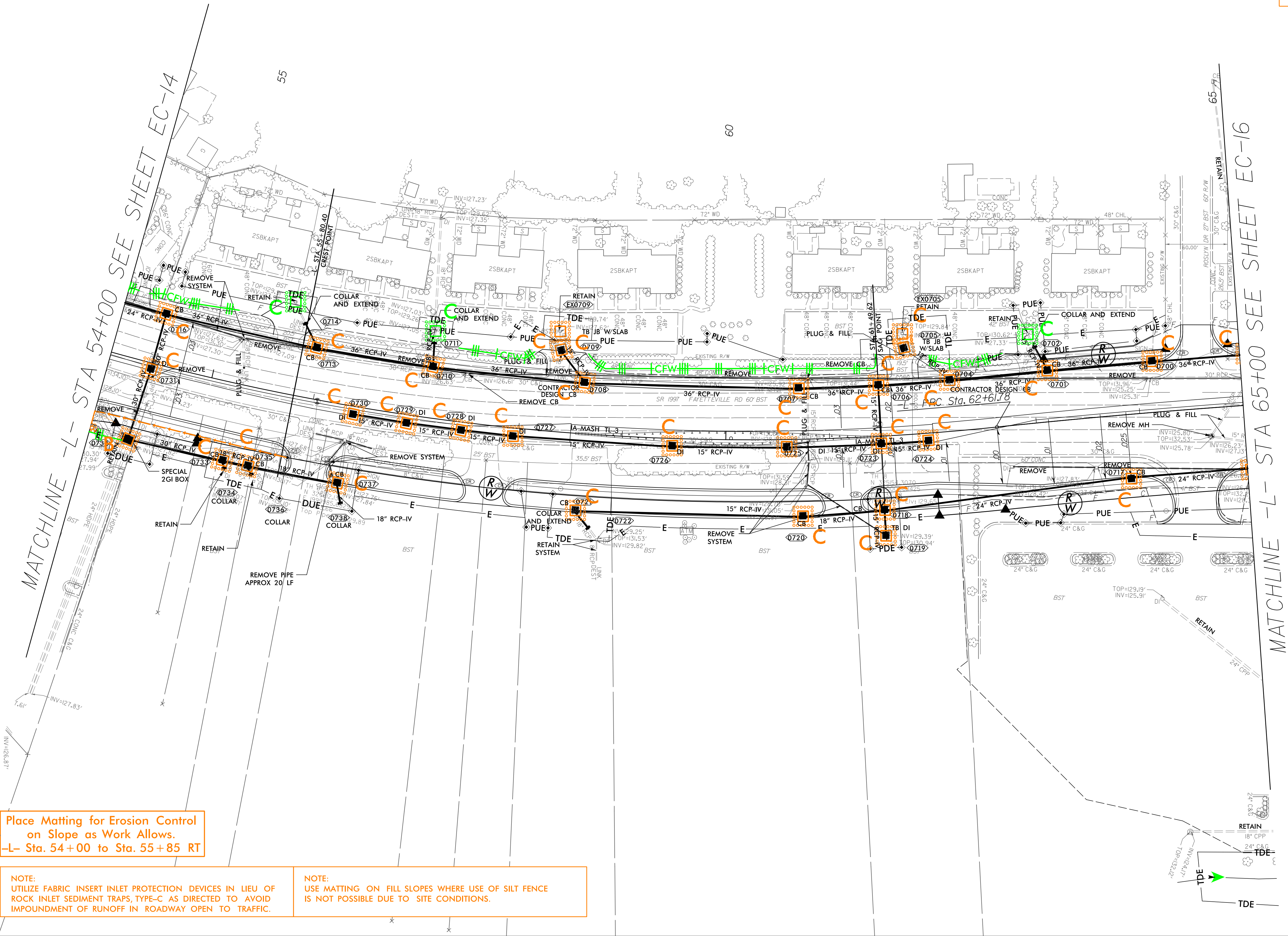
Place Matting for Erosion Control
on Slope as Work Allows.
-L- Sta. 42+00 to Sta. 44+00 LT
-L- Sta. 43+00 to Sta. 44+00 RT
-Y2- Sta. 23+00 to Sta. 24+50 LT

NOTE:
USE MATTING ON FILL SLOPES WHERE USE OF SILT FENCE
IS NOT POSSIBLE DUE TO SITE CONDITIONS.

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION DEVICES IN LIEU OF
ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID
IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.



FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET 7



Place Matting for Erosion Control
on Slope as Work Allows.
-L- Sta. 54+00 to Sta. 55+85 RT

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION DEVICES IN LIEU OF
ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID
IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

NOTE:
USE MATTING ON FILL SLOPES WHERE USE OF SILT FENCE
IS NOT POSSIBLE DUE TO SITE CONDITIONS.

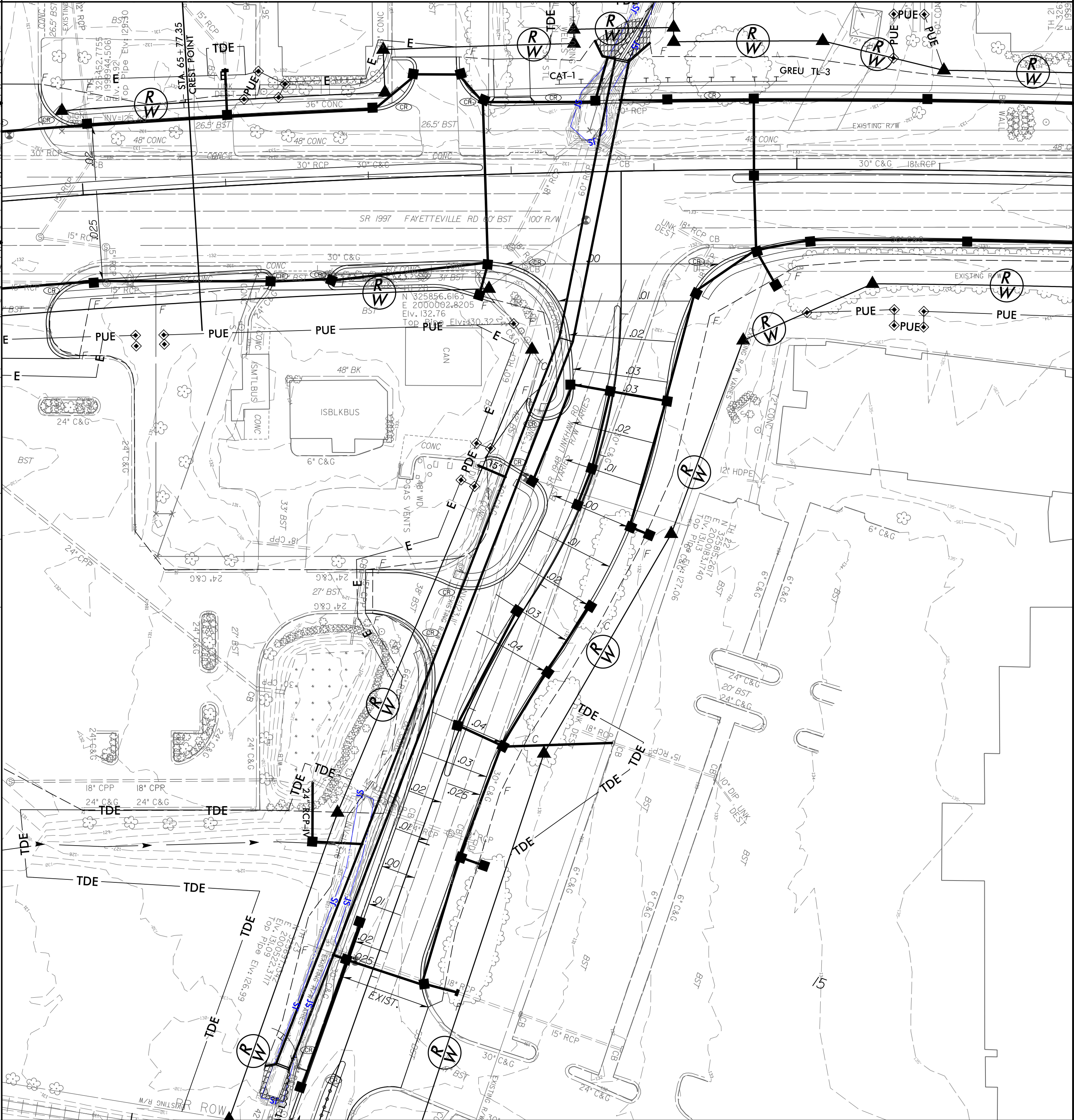
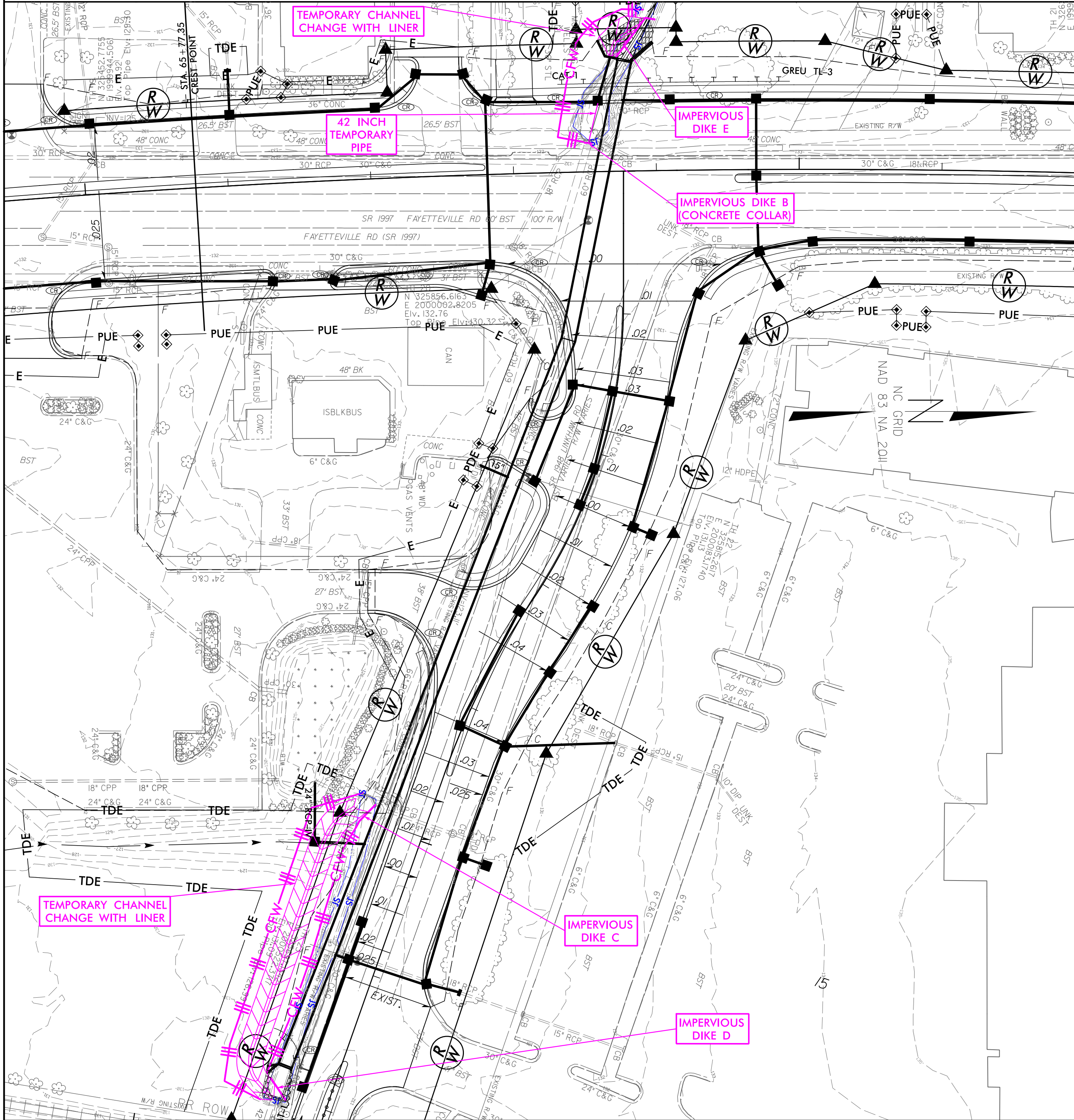
CULVERT CONSTRUCTION SEQUENCE STA. 68+62 -L-

STAGE 3 (TMP PHASE IV STEP 1)

1. REMOVE DIKES 1,2, AND 3.
2. INSTALL IMPERVIOUS DIKES C, D, AND E DIVERTING FLOW AROUND CULVERT WORK AREA, INTO TEMPORARY CHANNEL CHANGES AND TEMPORARY 42 INCH RCP.
3. REMOVE PUMP AROUND OPERATION.
4. DEWATER CULVERT CONSTRUCTION AREA.
5. SEE TRAFFIC CONTROL PLAN FOR DETAILED PHASING.

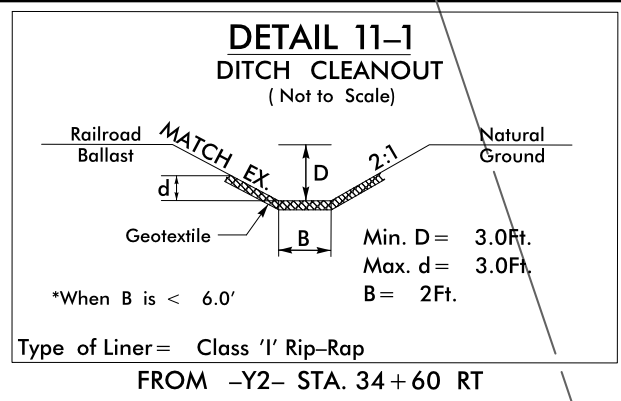
STAGE 4 (TMP PHASE IV STEP 2)

1. CONSTRUCT PROPOSED CULVERT AND INLET CHANNEL IMPROVEMENTS.
2. REMOVE/PLUG AND FILL EXISTING PIPE CULVERTS AND TEMPORARY 42" RCP.
3. REMOVE IMPERVIOUS DIKES AND TEMPORARY CHANNELS, DIVERTING FLOW THROUGH PROPOSE CULVERT.
4. CONSTRUCT OUTLET CHANNEL IMPROVEMENTS.
5. REMOVE ANY REMAINING SPECIAL STILLING BASIN(S), STABILIZE DISTURBED AREAS, AND COMPLETE ROADWAY.



PROJECT REFERENCE NO.	SHEET NO.
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FINAL GRADING
EROSION CONTROL FOR
CONSTRUCTION SHEET II



MATCHLINE -Y2- STA 32+00 SEE SHEET EC-14

NOTE:
USE MATTING ON FILL SLOPES WHERE USE OF SILT FENCE
IS NOT POSSIBLE DUE TO SITE CONDITIONS.

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION DEVICES IN LIEU OF
ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID
IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

