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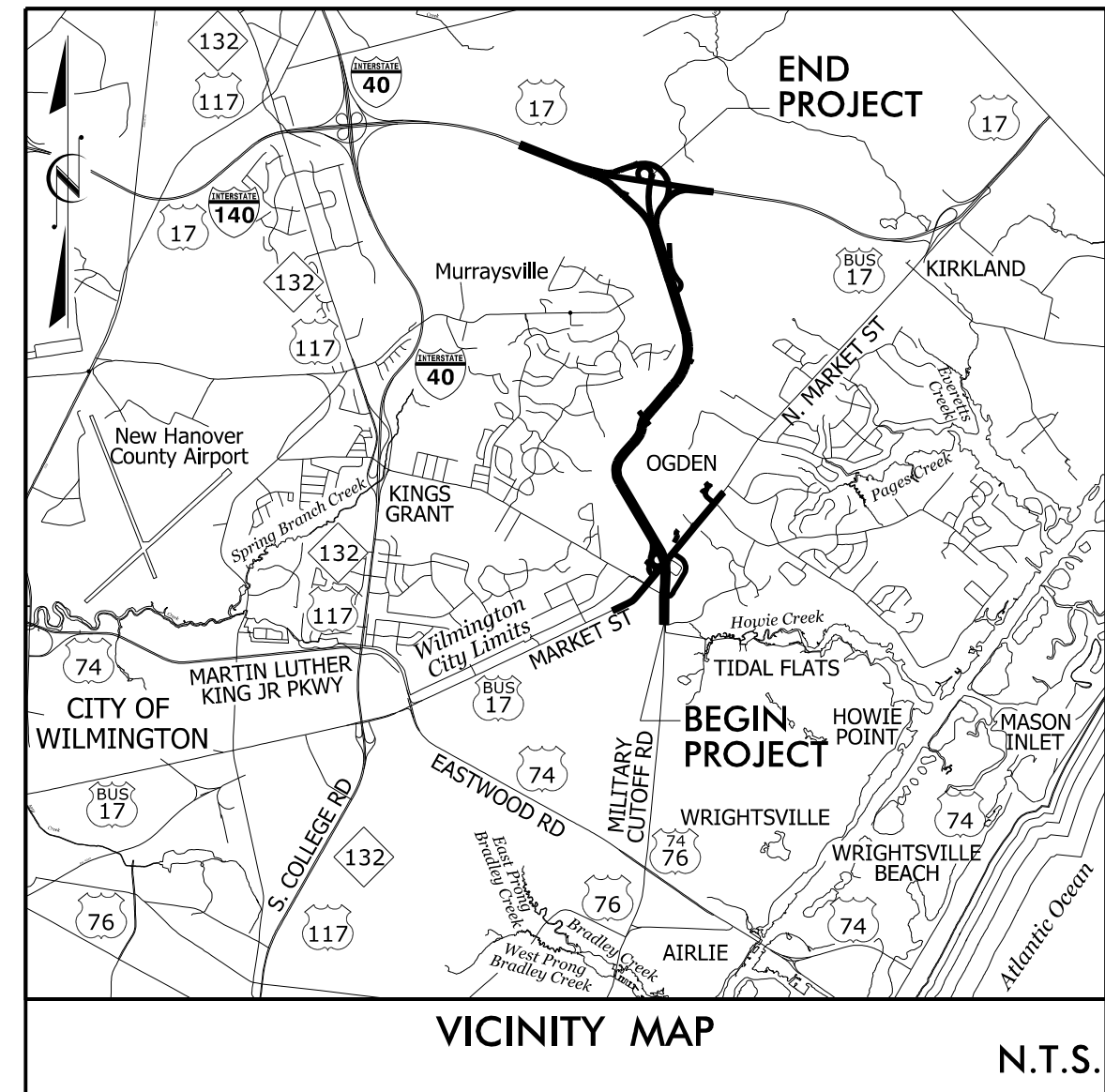
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STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-4751	EC-1	80
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
40191.1.2		PE	
40191.2.1		R/W	
40191.3.2		CONSTRUCTION	

TIP PROJECT: U-4751

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



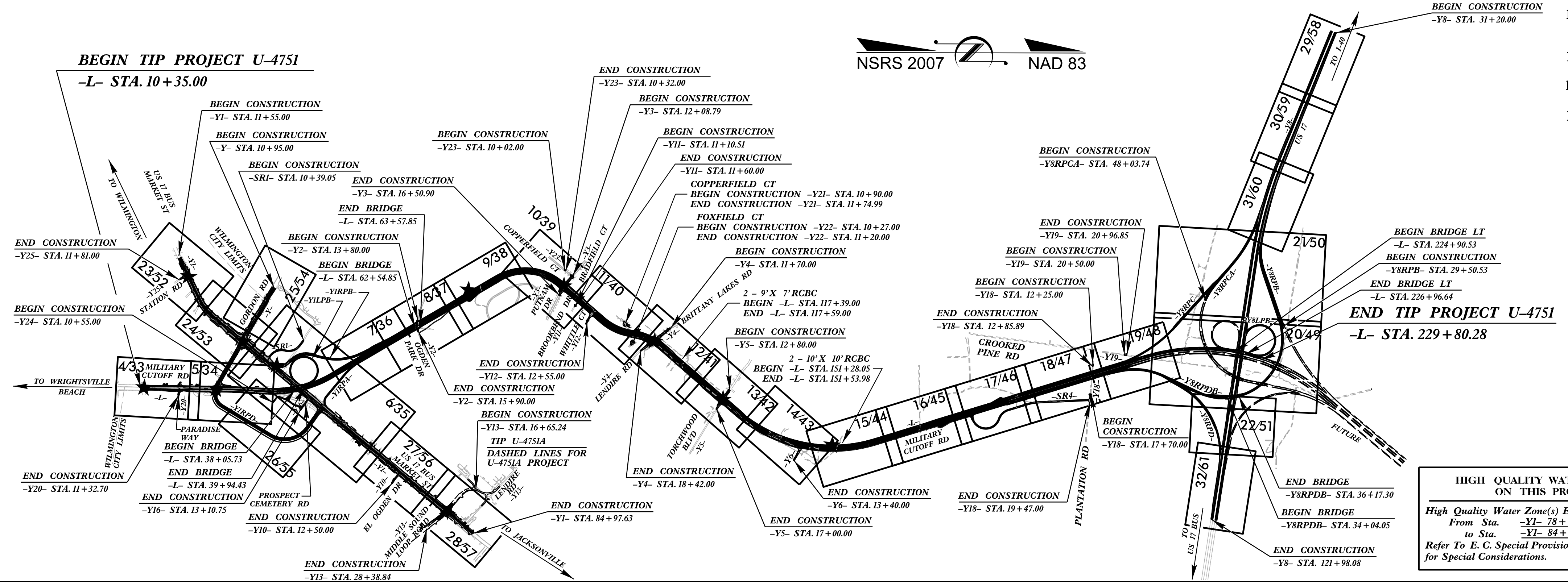
LOCATION: SR 1409 (MILITARY CUTOFF ROAD EXTENSION) FROM SR 1409 (MILITARY CUTOFF ROAD) TO US 17 IN WILMINGTON

TYPE OF WORK: GRADING, DRAINAGE, PAVING, STRUCTURES, CULVERTS, RETAINING WALLS, SIGNALS, NOISE WALLS, AND SIGNING

CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III MODIFIED.

EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1630.03	Temporary Silt Ditch	---
1630.05	Temporary Diversion	--- TD ---
1605.01	Temporary Silt Fence	
1606.01	Special Sediment Control Fence	--- --- ---
1622.01	Temporary Berms and Slope Drains	--->
1630.02	Silt Basin Type B	[Symbol]
1633.01	Temporary Rock Silt Check Type-A	[Symbol]
	Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	[Symbol]
1633.02	Temporary Rock Silt Check Type-B	[Symbol]
	Wattle / Coir Fiber Wattle	[Symbol]
	Wattle / Coir Fiber Wattle with Polyacrylamide (PAM)	[Symbol]
1634.01	Temporary Rock Sediment Dam Type-A	[Symbol]
1634.02	Temporary Rock Sediment Dam Type-B	[Symbol]
1635.01	Rock Pipe Inlet Sediment Trap Type-A	[Symbol]
1635.02	Rock Pipe Inlet Sediment Trap Type-B	[Symbol]
1630.04	Stilling Basin	[Symbol]
1630.06	Special Stilling Basin	[Symbol]
	Rock Inlet Sediment Trap:	
1632.01	Type A	A [Symbol]
1632.02	Type B	B [Symbol]
1632.03	Type C	C [Symbol]
	Skimmer Basin	[Symbol]
	Tiered Skimmer Basin	[Symbol]
	Infiltration Basin	[Symbol]

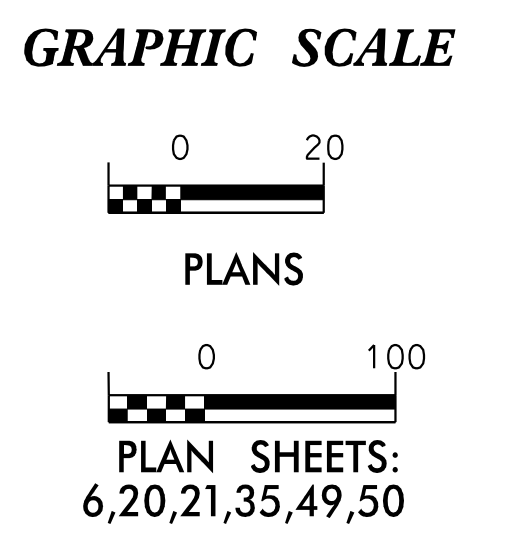


THIS PROJECT CONTAINS EROSION CONTROL PLANS FOR CLEARING AND GRUBBING PHASE OF CONSTRUCTION.

THIS PROJECT HAS BEEN DESIGNED TO SENSITIVE WATERSHED STANDARDS.

HIGH QUALITY WATER(S) EXIST ON THIS PROJECT
High Quality Water Zone(s) Exist From Sta. -Y1- 78+71 to Sta. -Y1- 84+98 Refer To E. C. Special Provisions for Special Considerations.

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



THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH THE REGULATIONS SET FORTH BY THE NCG-010000 GENERAL CONSTRUCTION PERMIT EFFECTIVE AUGUST 1, 2016 AND ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES DIVISION OF WATER RESOURCES.

Prepared in the Office of:

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

Designed by:

MARK PUGH E.I.T. **3960**

NAME LEVEL III CERTIFICATION NO.

Reviewed in the Office of:

ROADSIDE ENVIRONMENTAL UNIT
1 South Wilmington St.
Raleigh, NC 27611

2016 STANDARD SPECIFICATIONS

Reviewed by:

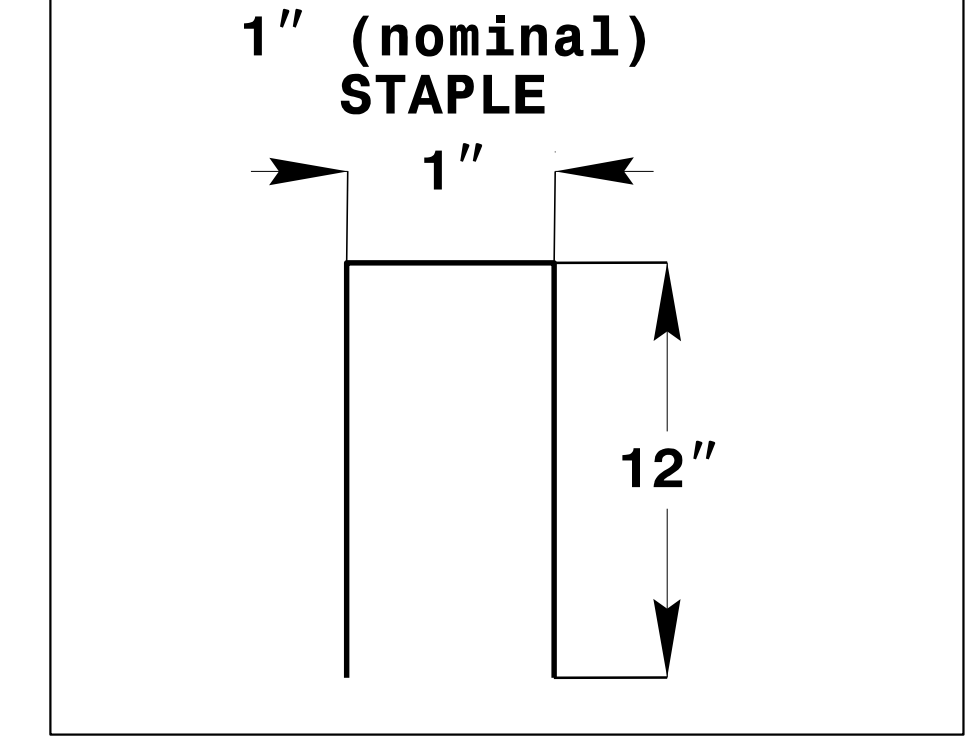
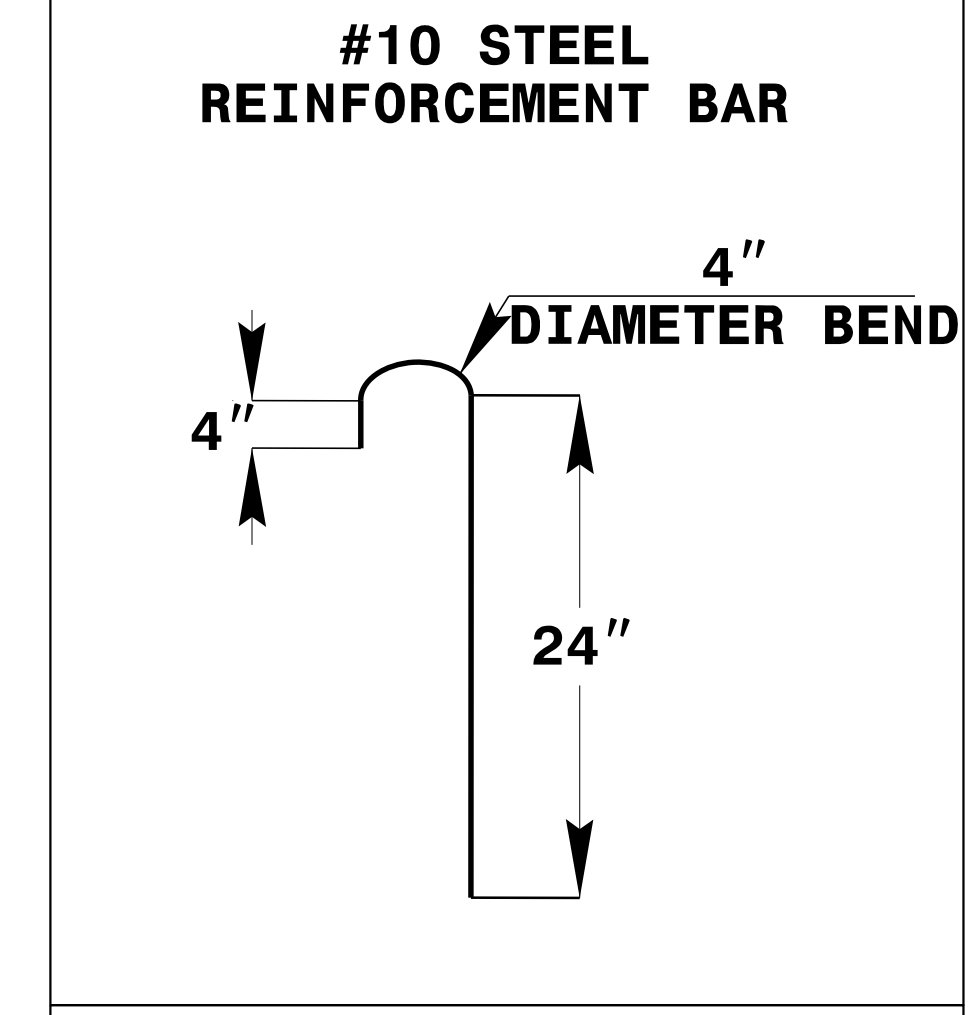
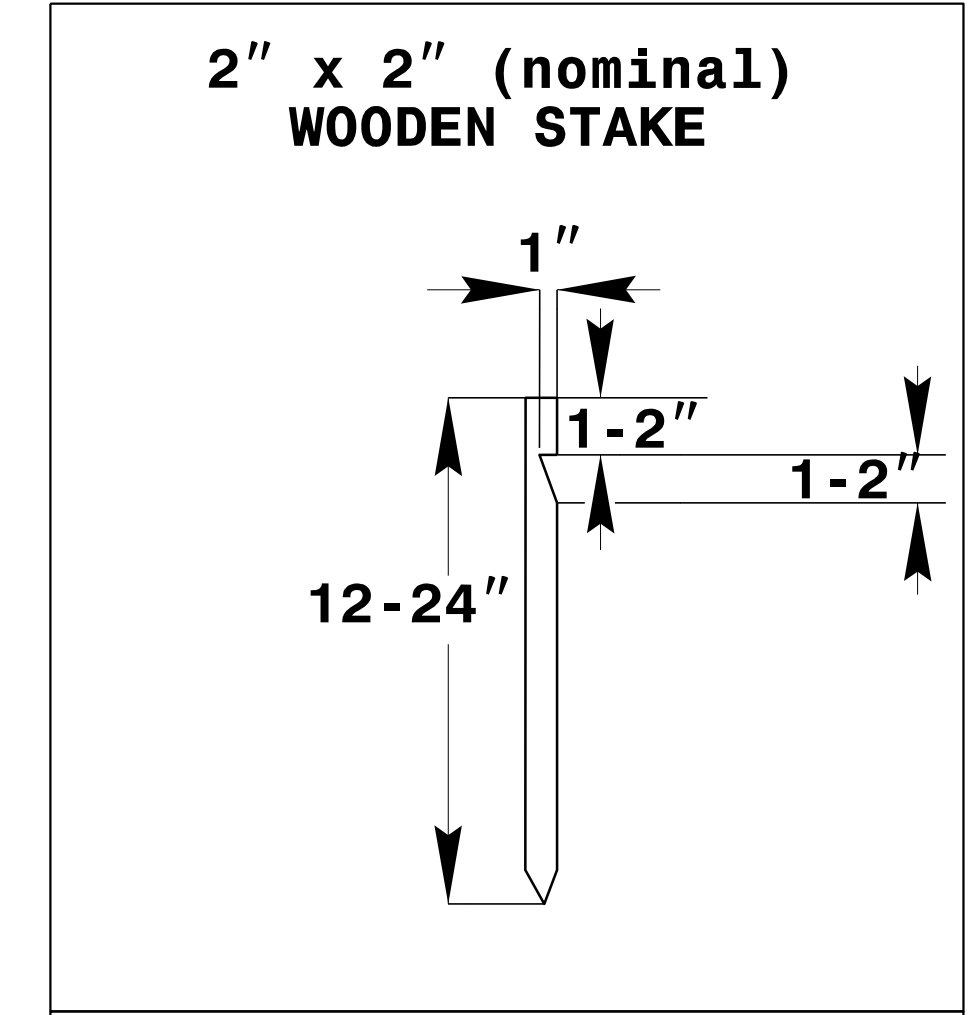
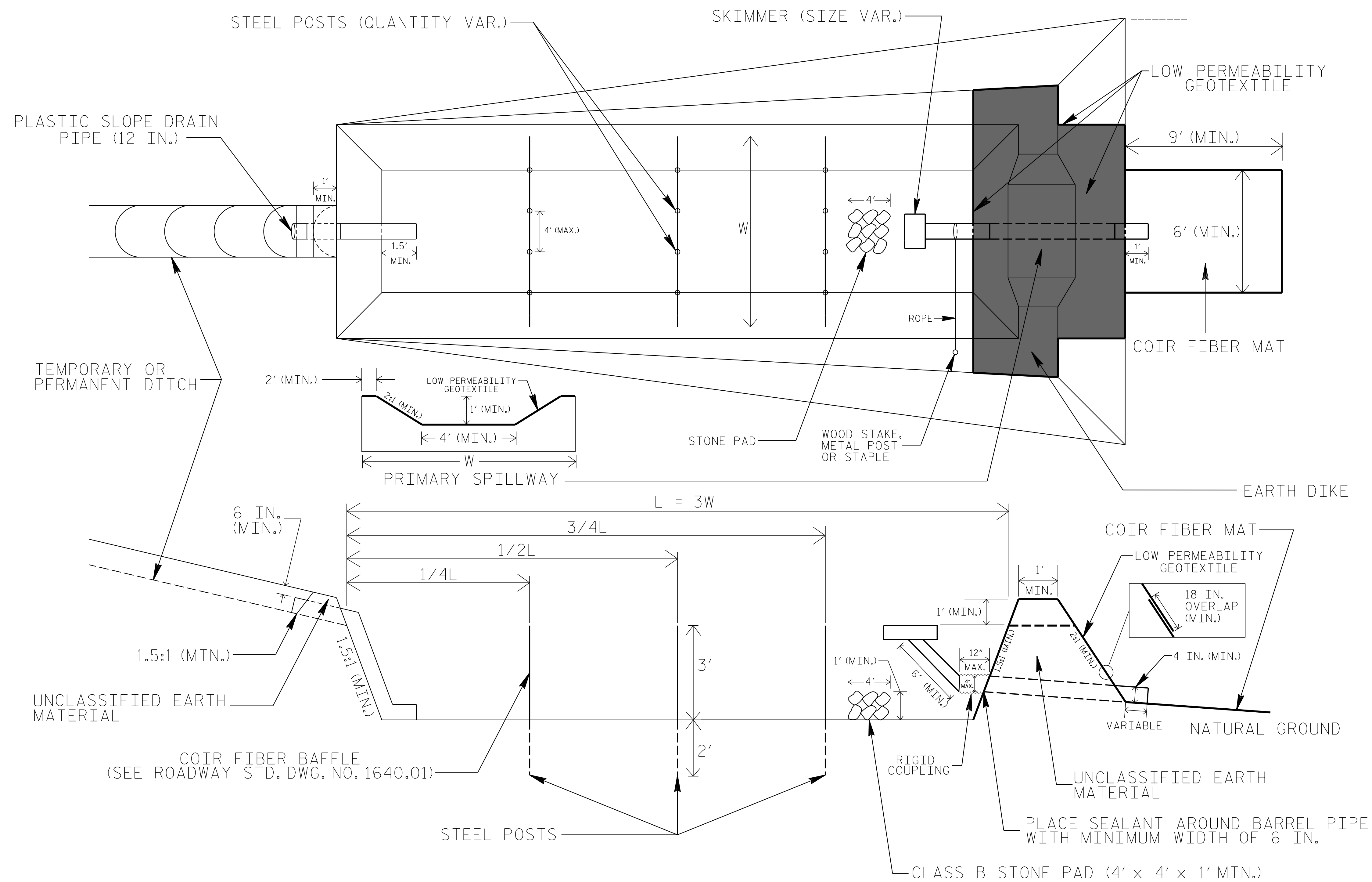
WES CHANDLER E.I.

Roadway Standard Drawings

The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 2012 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

1604.01 Railroad Erosion Control Detail	1632.01 Rock Inlet Sediment Trap Type A
1605.01 Temporary Silt Fence	1632.02 Rock Inlet Sediment Trap Type B
1606.01 Special Sediment Control Fence	1632.03 Rock Inlet Sediment Trap Type C
1607.01 Gravel Construction Entrance	1633.01 Temporary Rock Silt Check Type A
1622.01 Temporary Berms and Slope Drains	1633.02 Temporary Rock Silt Check Type B
1630.01 Riser Basin	1634.01 Temporary Rock Sediment Dam Type A
1630.02 Silt Basin Type B	1634.02 Temporary Rock Sediment Dam Type B
1630.03 Temporary Silt Ditch	1635.01 Rock Pipe Inlet Sediment Trap Type A
1630.04 Stilling Basin	1635.02 Rock Pipe Inlet Sediment Trap Type B
1630.05 Temporary Diversion	1640.01 Coir Fiber Baffle
1630.06 Special Stilling Basin	1645.01 Temporary Stream Crossing
1631.01 Matting Installation	

SKIMMER BASIN WITH BAFFLES DETAIL (EAST)



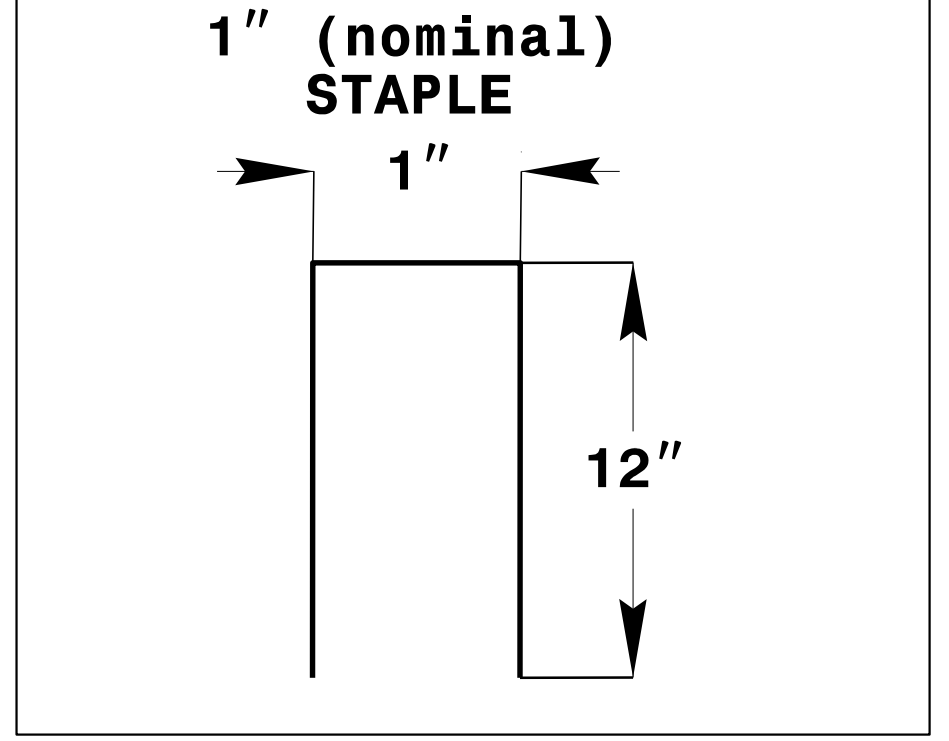
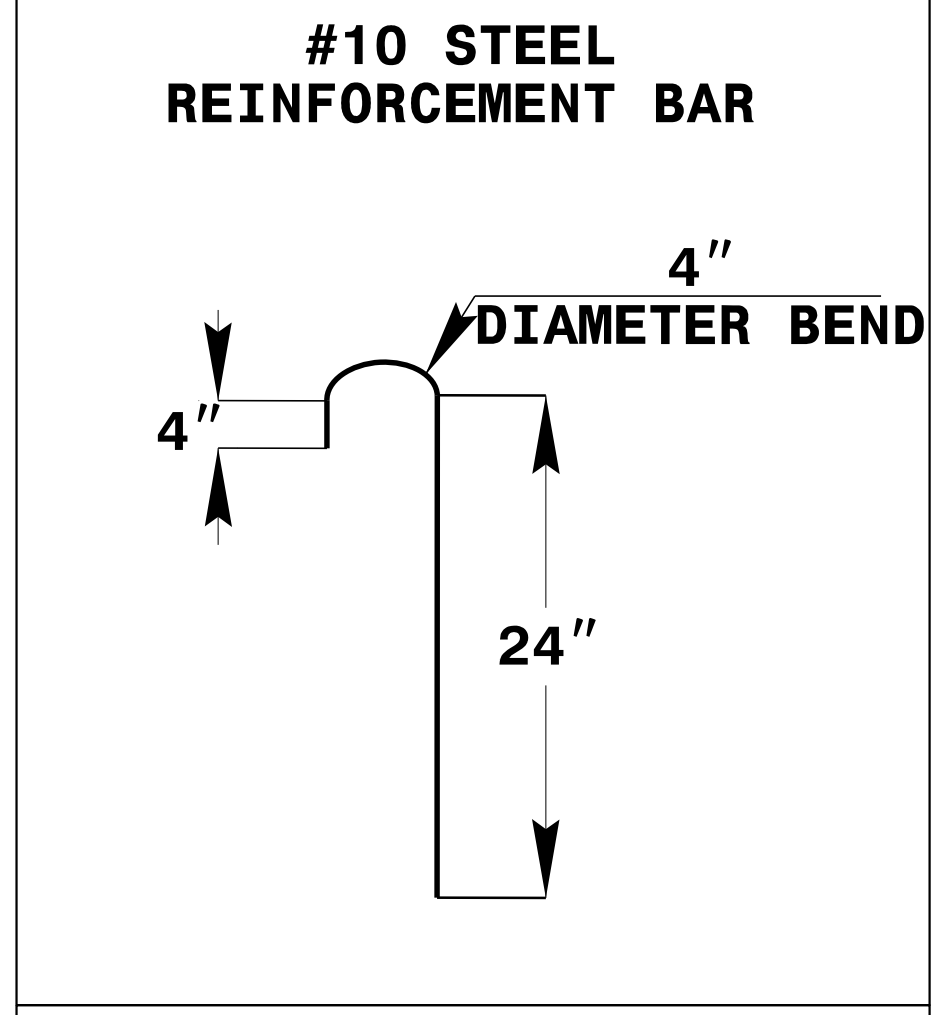
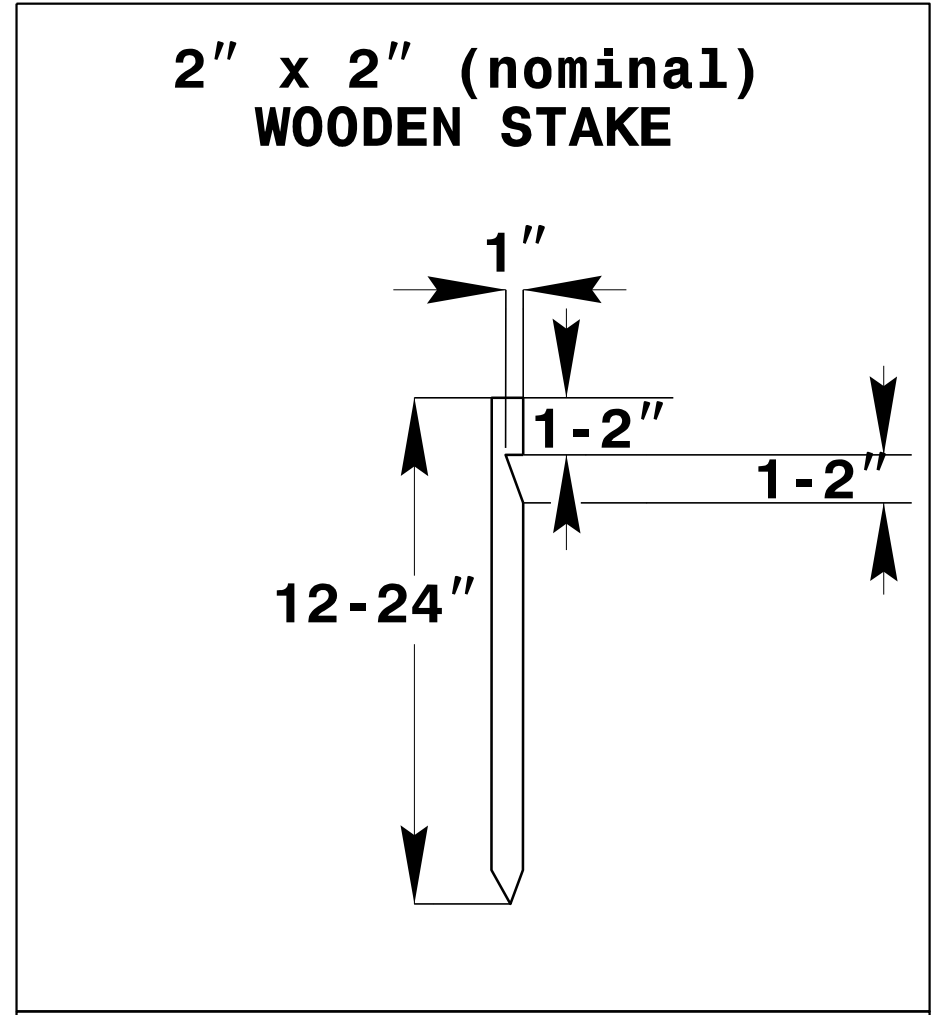
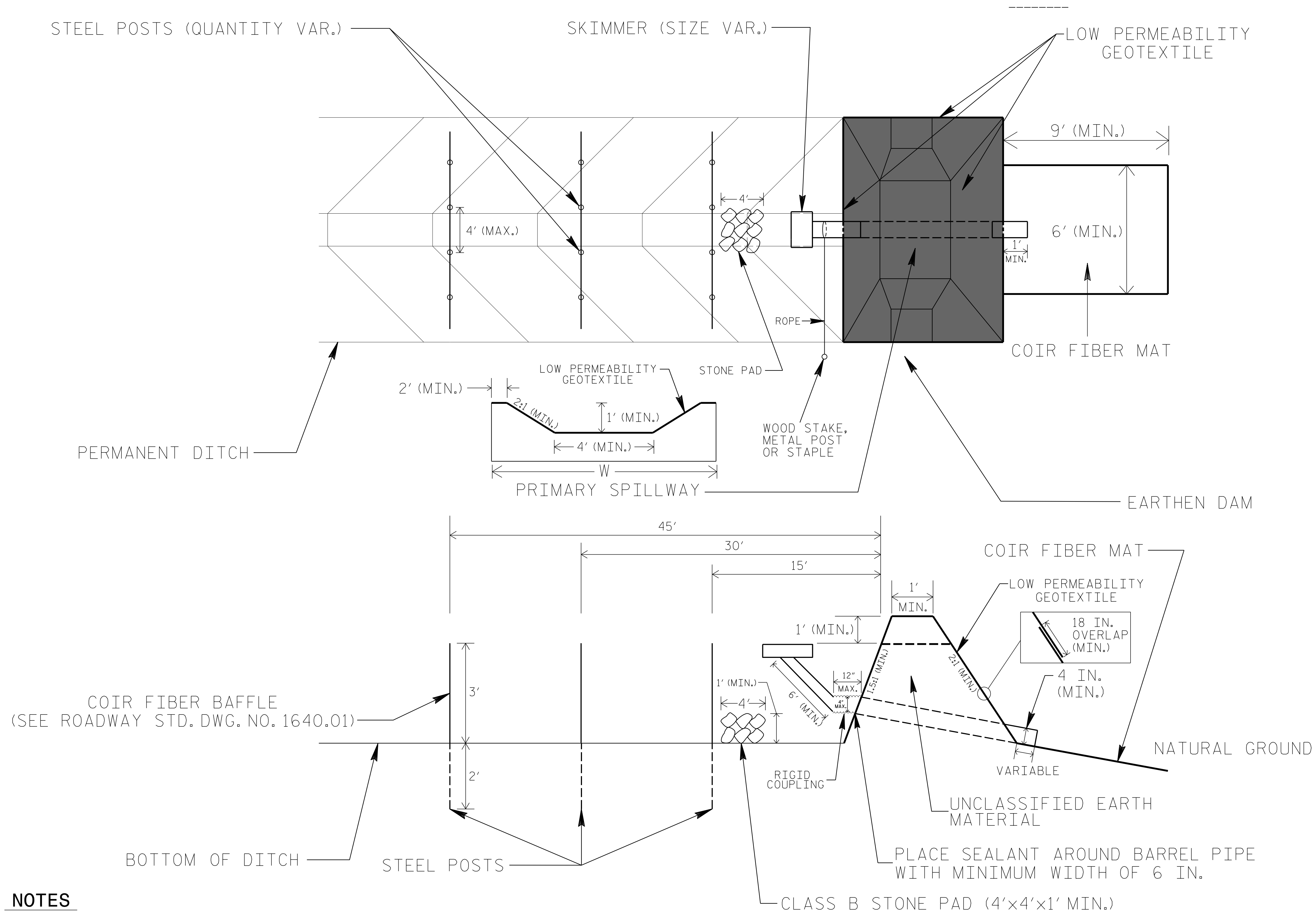
COIR FIBER MAT ANCHOR OPTIONS

NOTES

1. SEED AND PLACE MATTING FOR EROSION CONTROL ON INTERIOR AND EXTERIOR SIDESLOPES.
2. LIMIT EARTH DIKE HEIGHT TO 5 FT.
3. FOR BASIN DEPTH OF 3 FT., THE MINIMUM BASIN WIDTH SHALL BE 9 FT.
4. DETERMINE PRIMARY SPILLWAY WEIR LENGTH (FT.) USING $Q/0.8$, WHERE Q IS FLOW RATE (CFS) INTO BASIN.
5. PLASTIC SLOPE DRAIN PIPE AT INLET OF BASIN MAY BE REPLACED BY FILTRATION GEOTEXTILE OR TARP AS DIRECTED.
6. LOW PERMEABILITY GEOTEXTILE FOR PRIMARY SPILLWAY SHALL BE ONE CONTINUOUS PIECE OF MATERIAL OR OVERLAPPED 18 IN. (MIN.).

NOT TO SCALE

EARTHEN DAM WITH SKIMMER DETAIL (EAST)



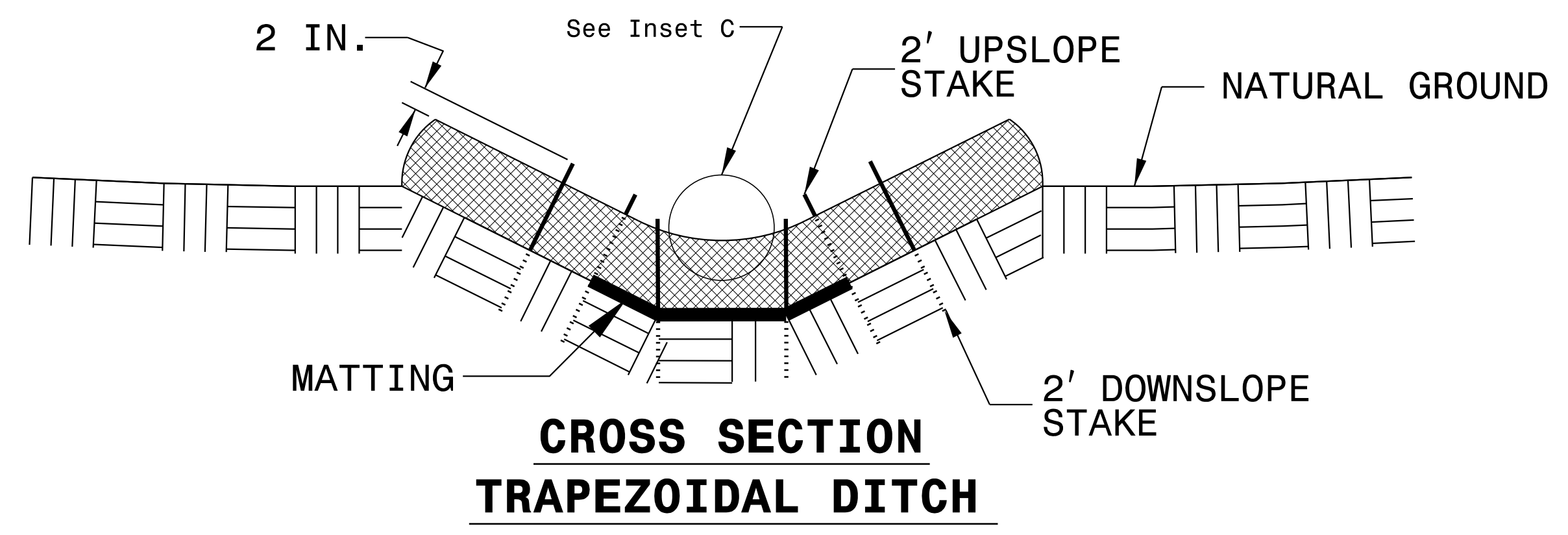
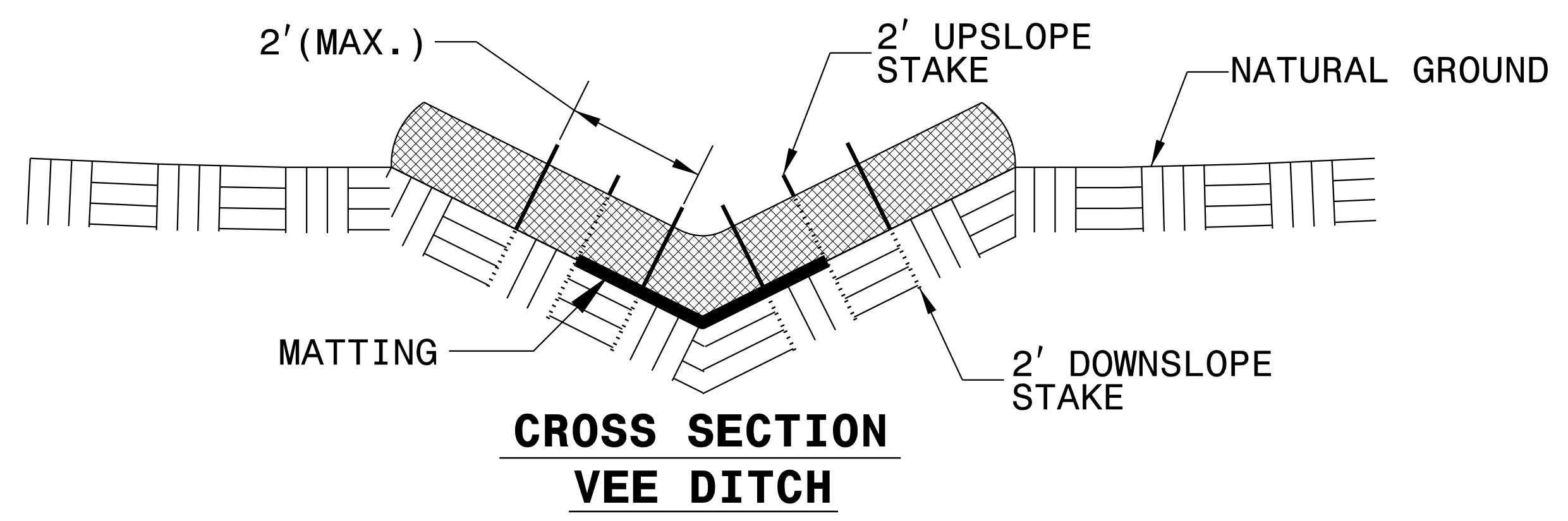
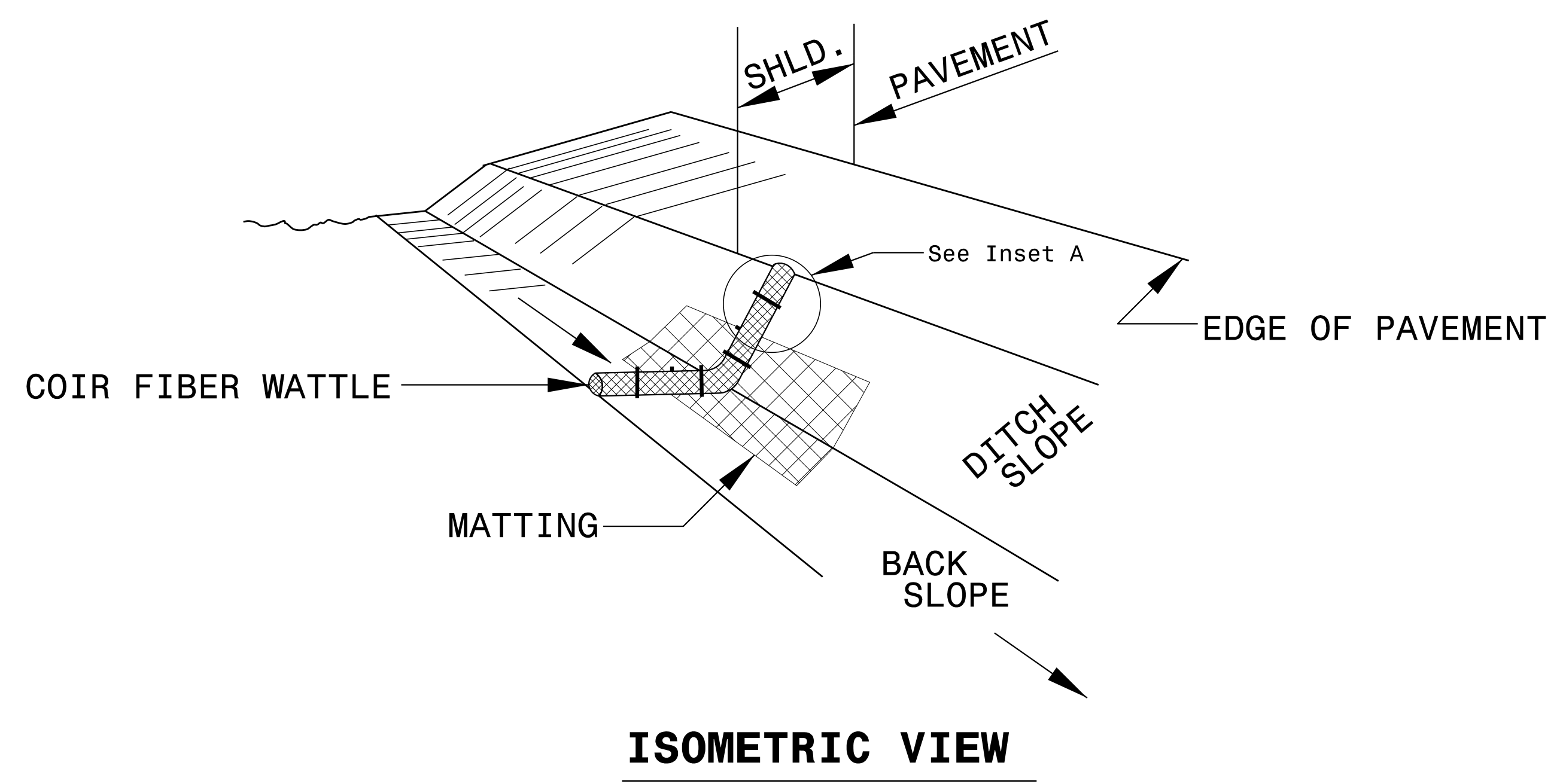
COIR FIBER MAT ANCHOR OPTIONS

NOTES

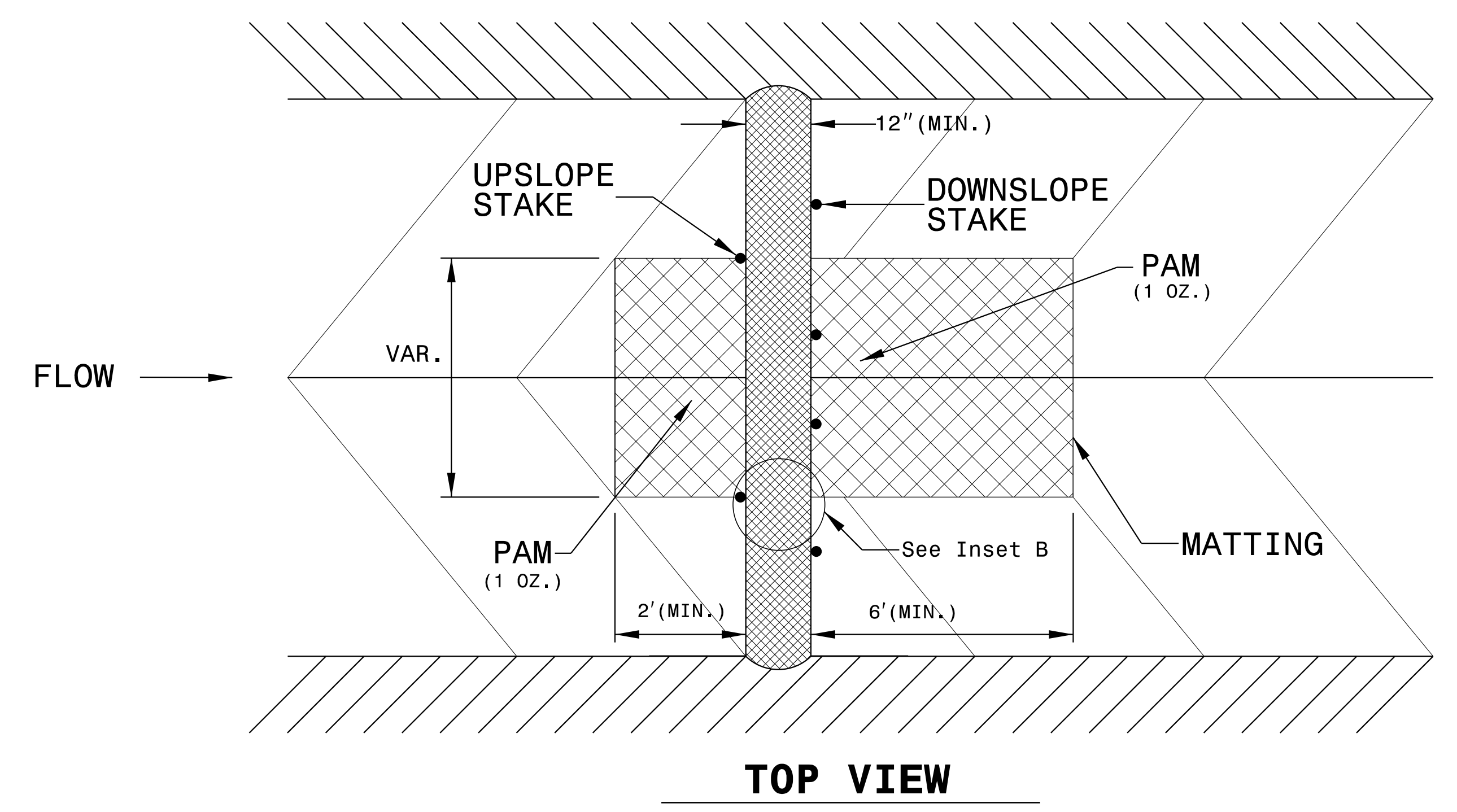
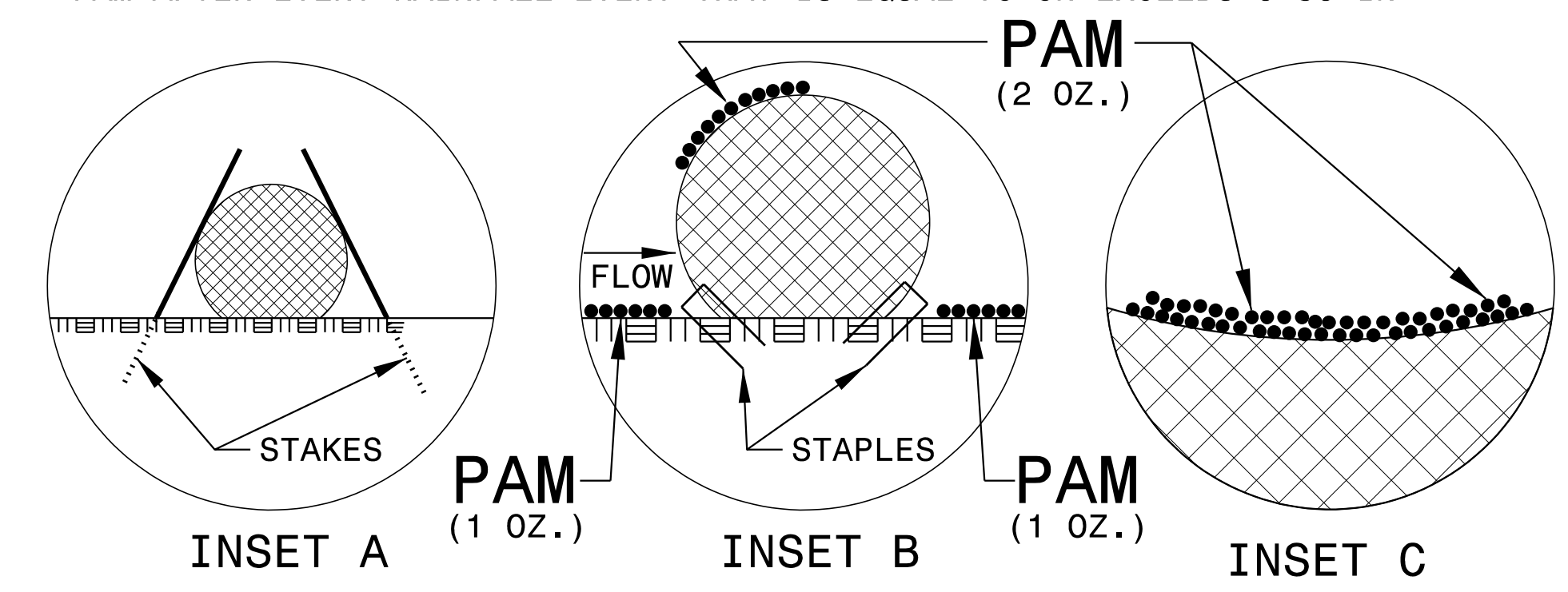
1. LIMIT EARTHEN DAM HEIGHT TO 5 FT.
2. DETERMINE PRIMARY SPILLWAY LENGTH (FT.) USING $Q/0.8$, WHERE Q IS FLOW RATE (CFS) INTO BASIN.
3. LOW PERMEABILITY GEOTEXTILE FOR PRIMARY SPILLWAY SHALL BE ONE CONTINUOUS PIECE OF MATERIAL OR OVERLAPPED 18 IN. (MIN.).

NOT TO SCALE

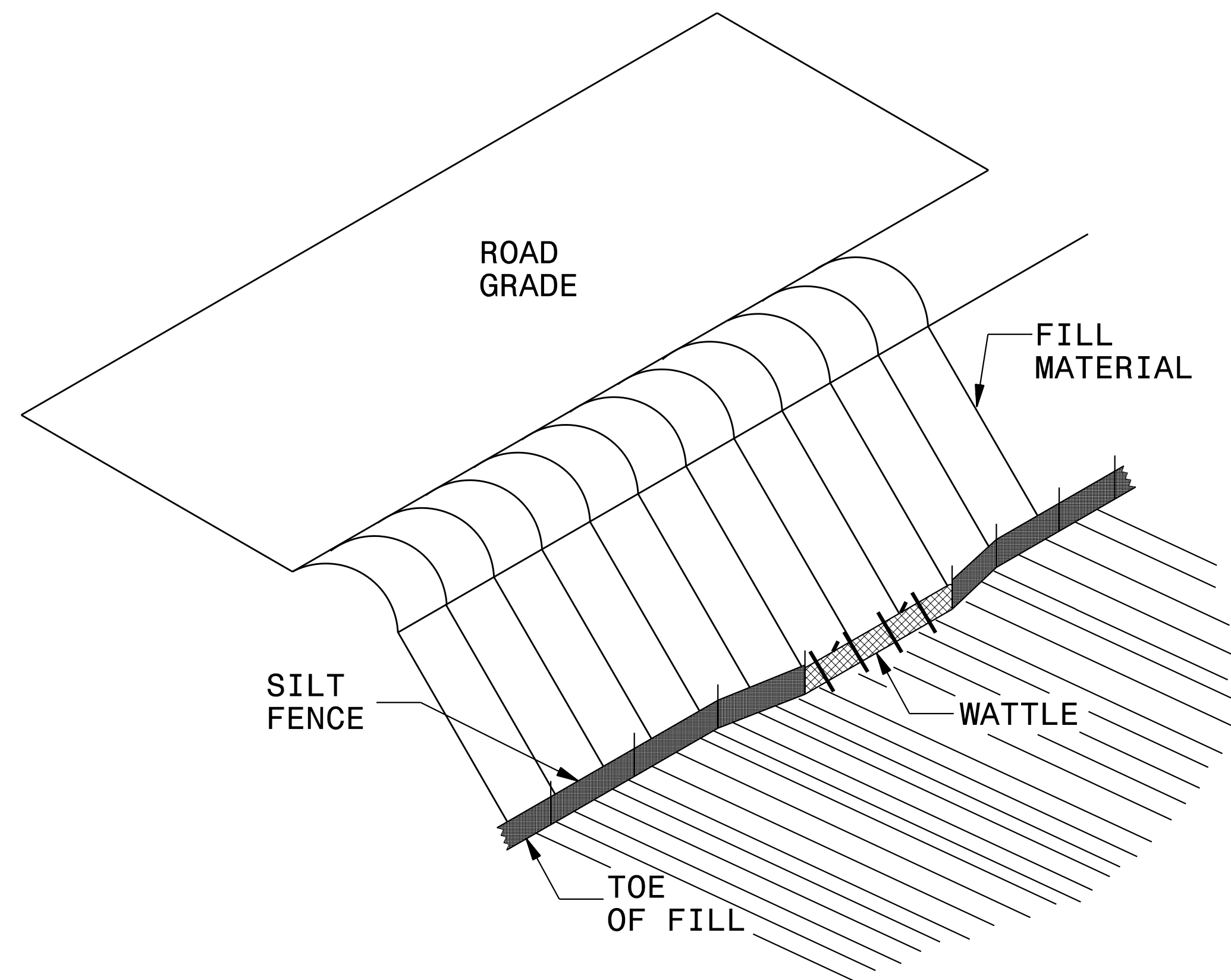
COIR FIBER WATTLE WITH POLYACRYLAMIDE (PAM) DETAIL



- NOTES:**
- USE MINIMUM 12 IN. DIAMETER COIR FIBER (COCONUT FIBER) WATTLE.
 - USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.
 - ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.
 - INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.
 - PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.
 - INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.
 - INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.
 - PRIOR TO POLYACRYLAMIDE (PAM) APPLICATION, OBTAIN A SOIL SAMPLE FROM PROJECT LOCATION, AND FROM OFFSITE MATERIAL, AND ANALYZE FOR APPROPRIATE PAM FLOCCULANT TO BE APPLIED TO EACH WATTLE.
 - INITIALLY APPLY 2 OUNCES OF ANIONIC OR NEUTRALLY CHARGED PAM OVER WATTLE WHERE WATER WILL FLOW AND 1 OUNCE OF PAM ON EACH SIDE OF WATTLE. REAPPLY PAM AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 0.50 IN.



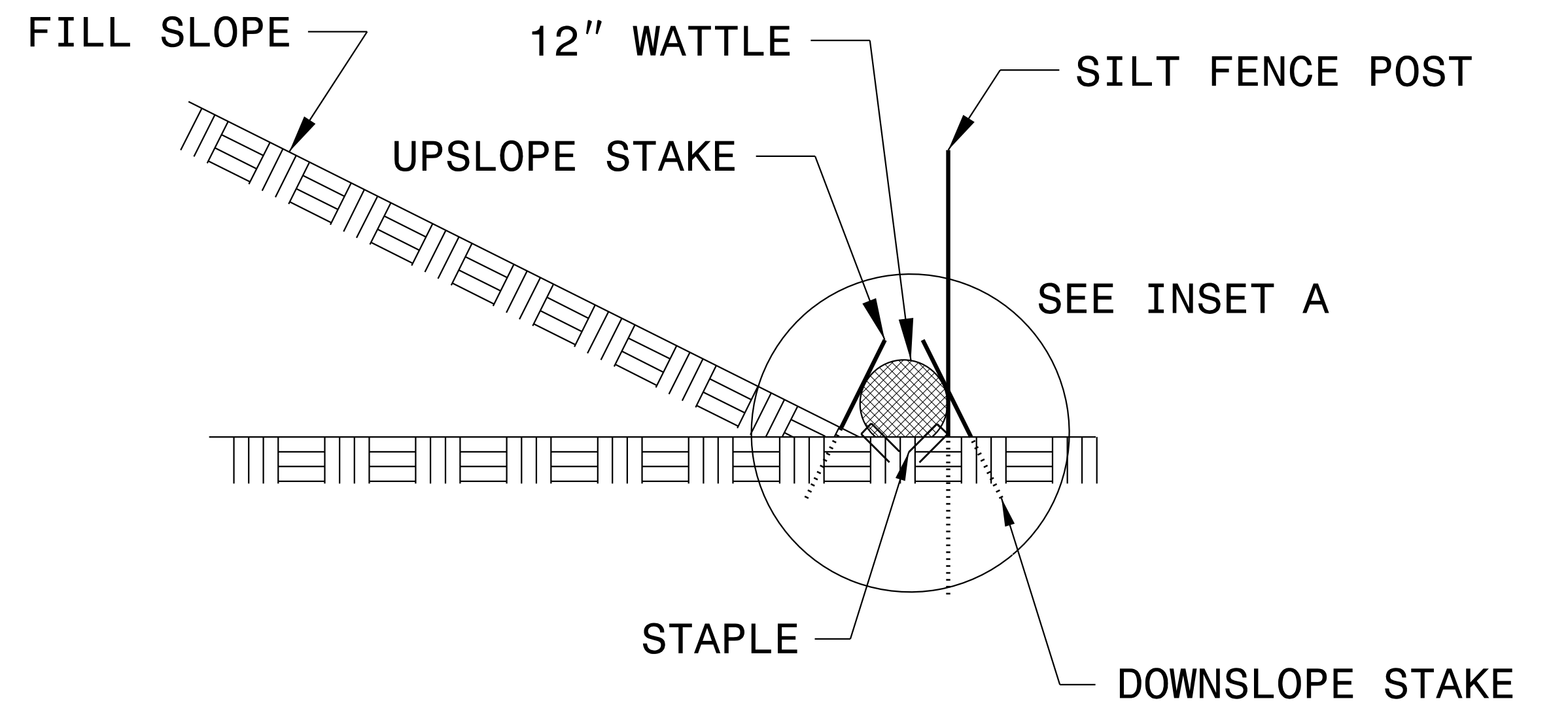
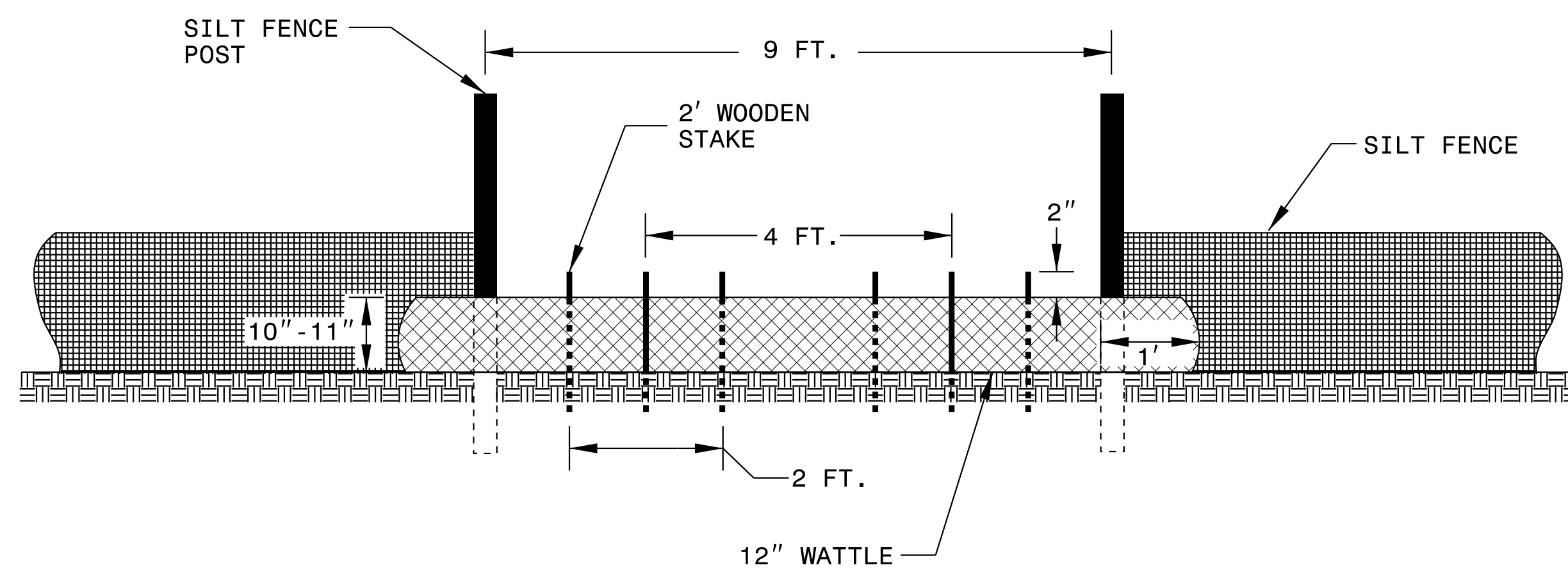
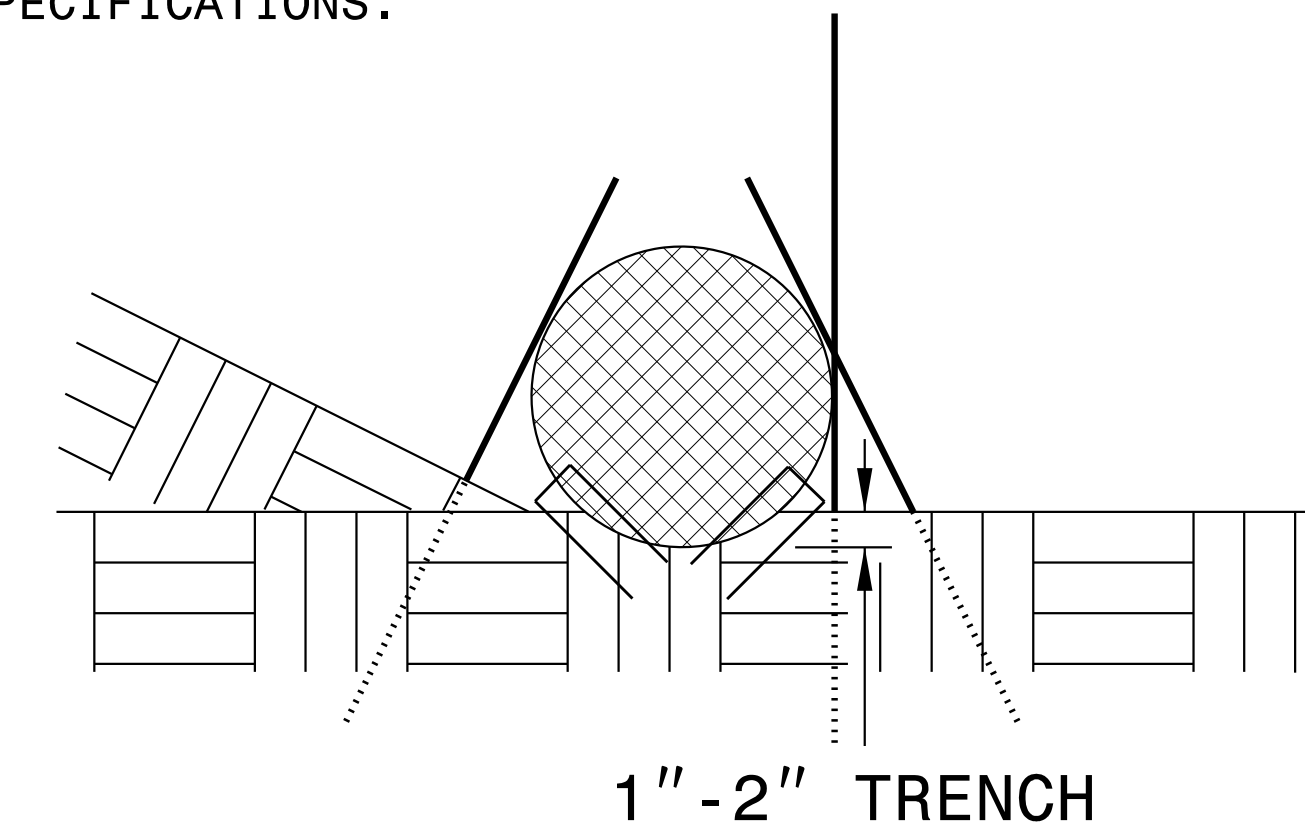
SILT FENCE COIR FIBER WATTLE BREAK DETAIL



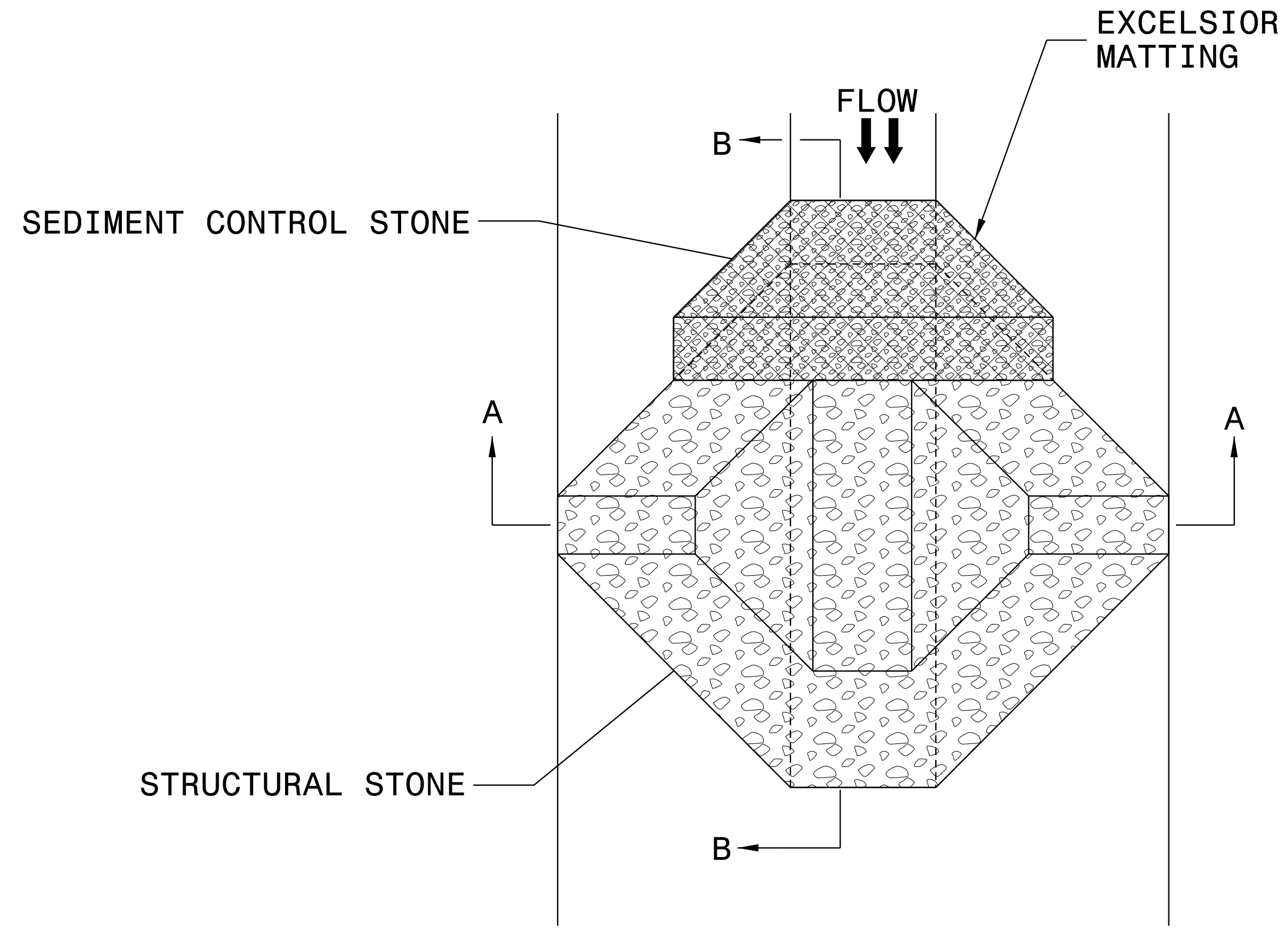
NOTES:

- 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 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" 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



TEMPORARY ROCK SILT CHECK TYPE 'A' WITH EXCELSIOR MATTING AND POLYACRYLAMIDE (PAM)



PLAN

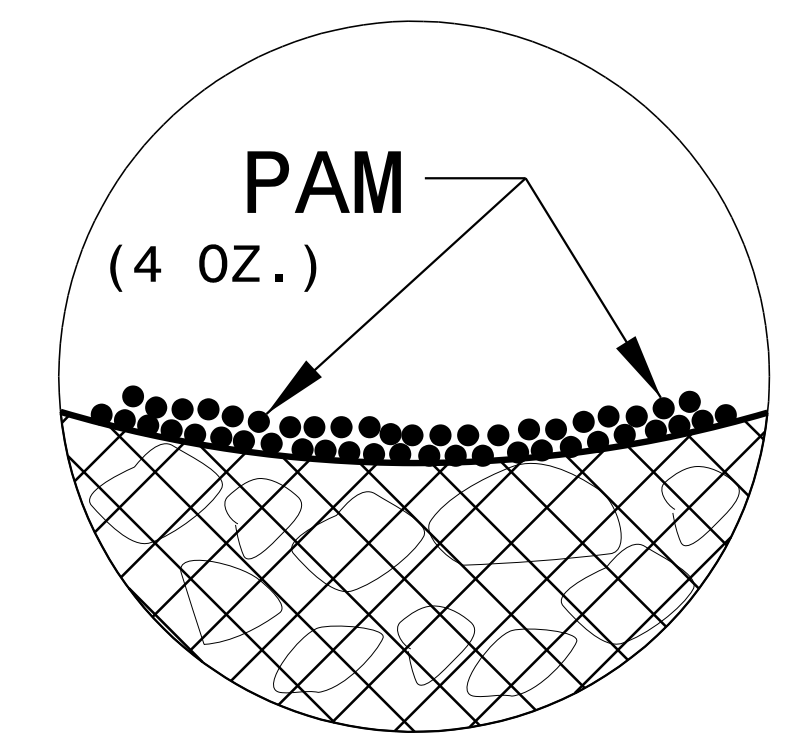
NOTES:

INSTALL TEMPORARY ROCK SILT CHECK TYPE A IN ACCORDANCE WITH ROADWAY STANDARD DRAWING NO. 1633.01.

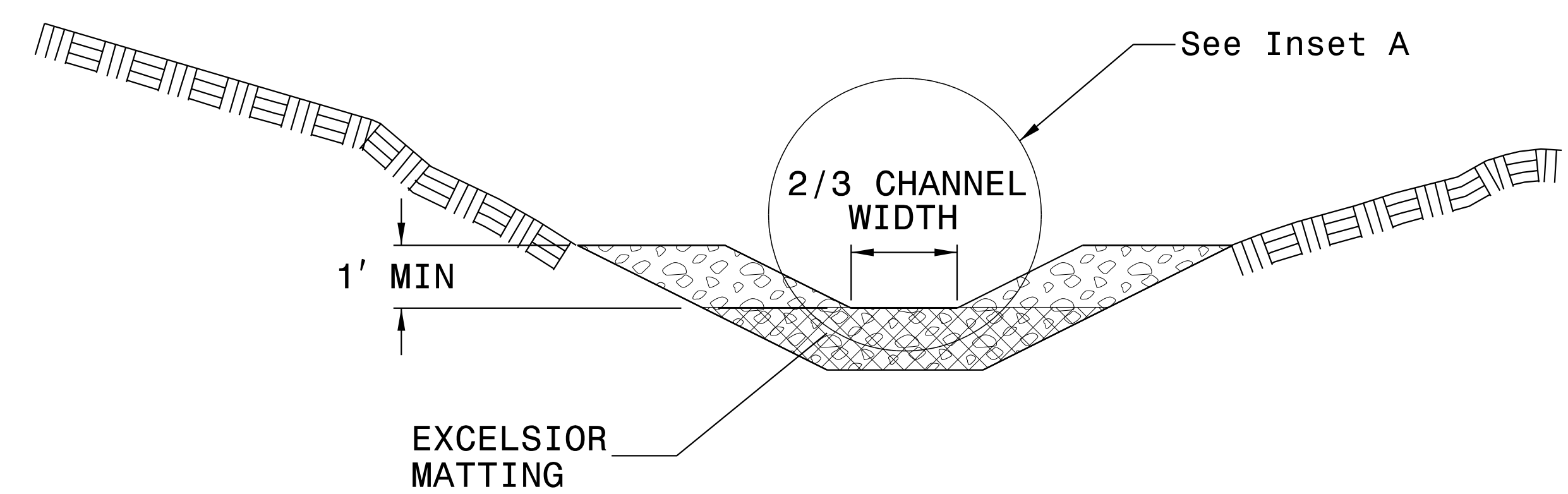
USE EXCELSIOR FOR MATTING MATERIAL AND ANCHOR MATTING SECTION AT TOP AND BOTTOM WITH CLASS B STONE.

PRIOR TO POLYACRYLAMIDE (PAM) APPLICATION, OBTAIN A SOIL SAMPLE FROM PROJECT LOCATION, AND FROM OFFSITE MATERIAL, AND ANALYZE FOR APPROPRIATE PAM FLOCCULANT TO BE APPLIED TO EACH ROCK SILT CHECK.

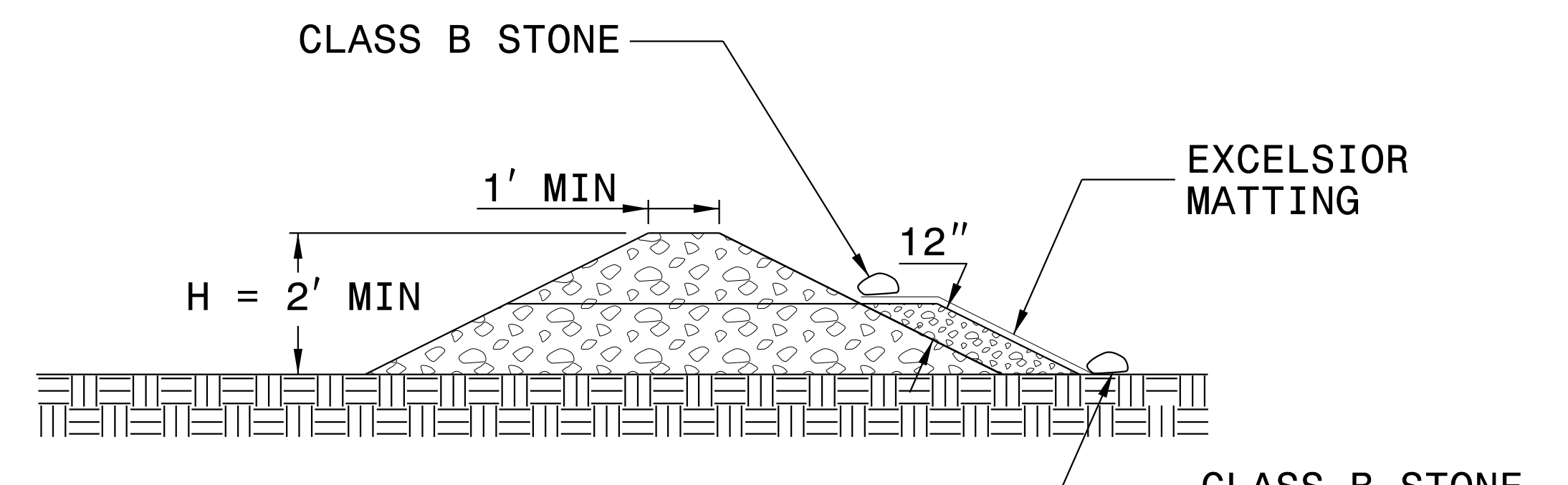
INITIALLY APPLY 4 OUNCES OF POLYACRYLAMIDE (PAM) TO TOP OF MATTING SECTION AND AFTER EVERY RAINFALL EVENT THAT EQUALS OR EXCEEDS 0.50 INCHES.



INSET A




SECTION A-A



SECTION B-B

NOT TO SCALE

BORROW PIT DEWATERING BASIN DETAIL

PROJECT REFERENCE NO. U-4751	SHEET NO. EC-2E
RW SHEET NO.	
 STV Engineers, Inc. 900 West Trade St., Suite 715 Charlotte, NC 28202 NC License Number F-0991	

GENERAL NOTES:

DETERMINE BORROW PIT DEWATERING BASIN SIZE USING $V = 8.0203 * Q * T$, WHERE V IS VOLUME (FT³), Q IS PUMP FLOW RATE (GPM), AND T IS DEWATERING TIME (HR). USE MAXIMUM FLOW RATE OF 1000 GPM AND A MINIMUM DEWATERING TIME OF 2 HOURS.

RISER SHALL BE A NON-PERFORATED, SMOOTH OR CORRUGATED MATERIAL WITH A FLASHBOARD OPTION.

CONSTRUCT THE COIR FIBER BAFFLE IN ACCORDANCE WITH ROADWAY STANDARD DRAWING 1640.01 AND WITH MATERIAL THAT MEETS THE SPECIFICATIONS OF ROADWAY STANDARD 1640-14.

PROVIDE 5' STEEL POSTS OF THE SELF-FASTENER ANGLE STEEL TYPE. INSTALL STEEL POSTS WITH NO MORE THAN 3' OF THE POST APPEARING ABOVE THE GROUND.

ATTACH THE COIR FIBER MAT TO THE STEEL POSTS WITH WIRE OR OTHER ACCEPTABLE MEANS AND STAPLED INTO THE BOTTOM AND SIDE SLOPES OF THE BASIN WITH 12" STAPLES.

INSTALL TYPE 2 GEOTEXTILE ON SIDESLOPES AND BOTTOM OF BASIN AT INLET AS SHOWN IN THE DETAIL.

USE THE TYPICAL SECTION SHOWN FOR THE BORROW PIT DEWATERING BASIN AS A GUIDE. THE BASIN MAY HAVE ANY TYPE CONFIGURATION AS LONG AS SUFFICIENT VOLUME IS PROVIDED AND PROVISIONS ARE MADE FOR A NON-PERFORATED RISER.

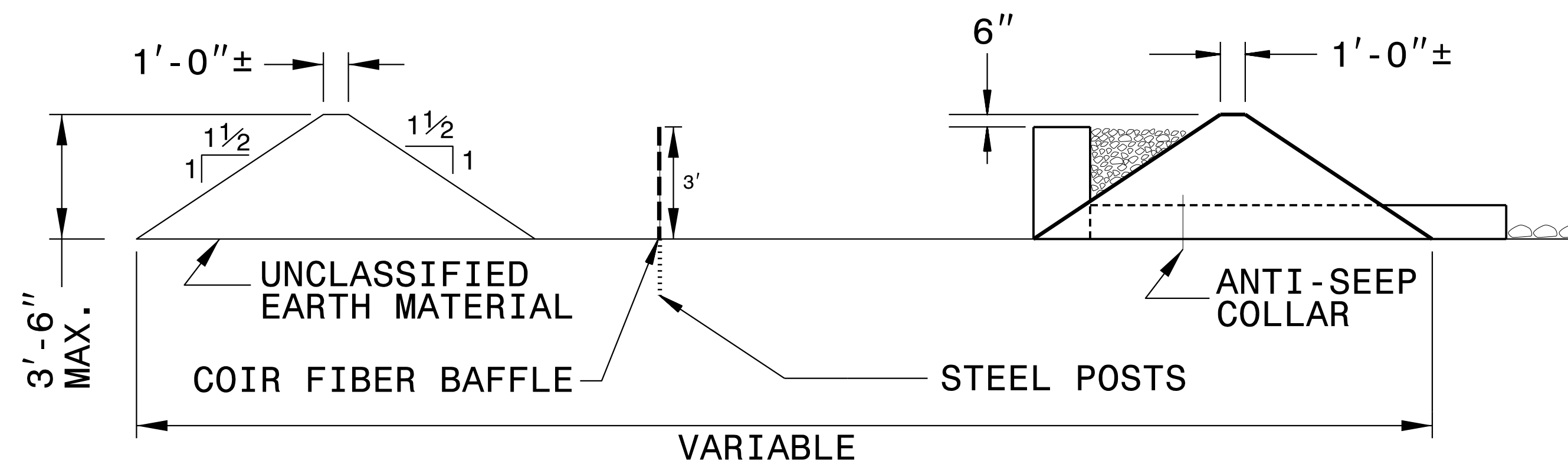
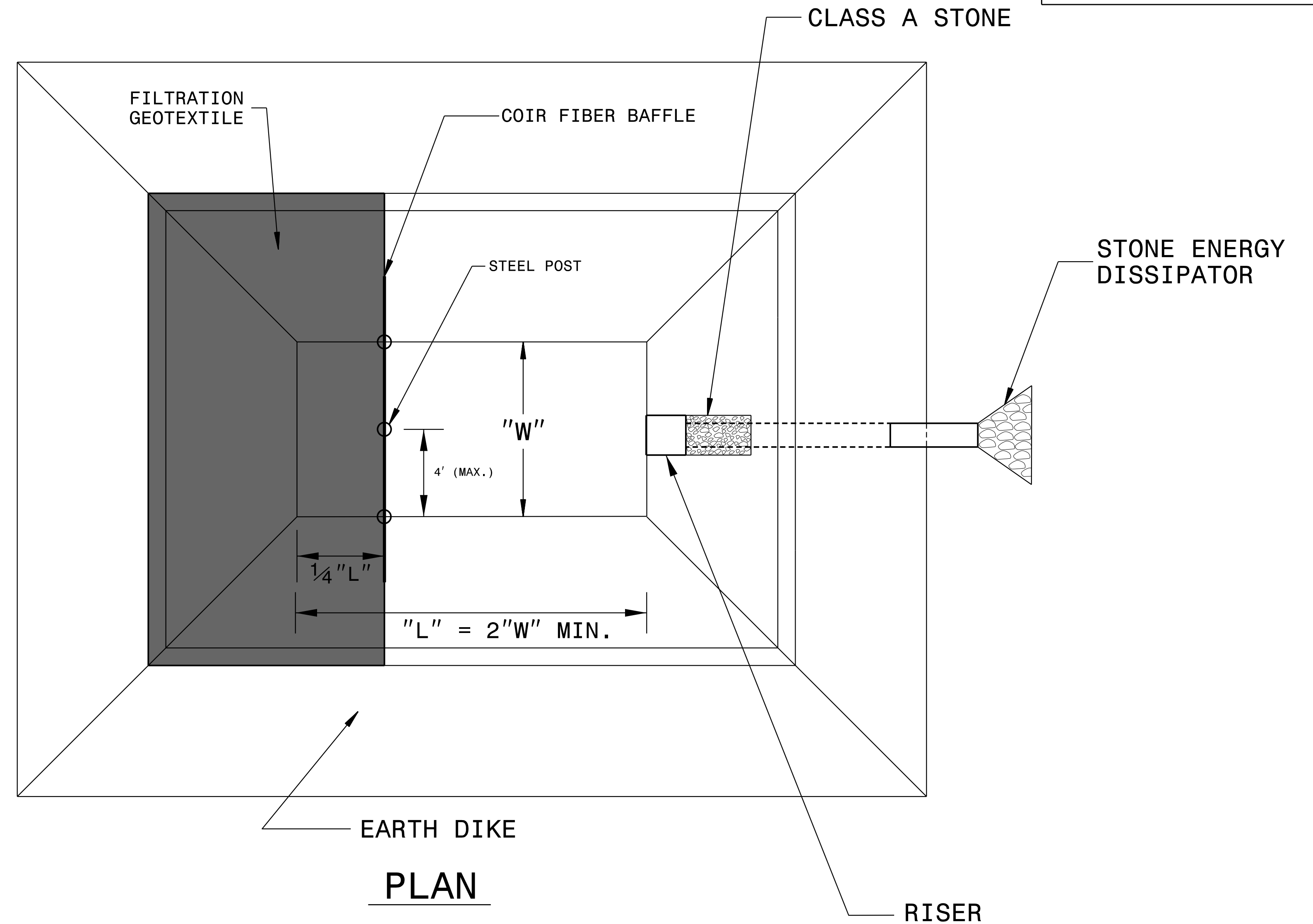
DO NOT EXCEED 3½ FT. IN HEIGHT FOR THE EARTH DIKES REQUIRED FOR BORROW PIT DEWATERING BASIN.

THE BORROW PIT DEWATERING BASIN SIZE IS VARIABLE AND DEPENDENT ON SPECIFIC SITE REQUIREMENTS AS WELL AS PROPOSED CONSTRUCTION OPERATIONS.

SUBMIT THE SIZE, LOCATION AND RISER PIPE MATERIAL FOR APPROVAL PRIOR TO CONSTRUCTION.

PUMP THE EFFLUENT INTO THE BORROW PIT DEWATERING BASIN TO A MAXIMUM DEPTH OF 6 IN. BELOW TOP OF EARTH DIKE.

PROVIDE A STONE ENERGY DISSIPATOR PAD AT THE OUTLET OF THE PUMP DISCHARGE HOSE AND OUTLET OF THE RISER BARREL IN ACCORDANCE WITH ROADWAY STANDARD DRAWING 876.02 FOR OUTLET W/O DITCH.



TYPICAL SECTION VIEW

NOT TO SCALE

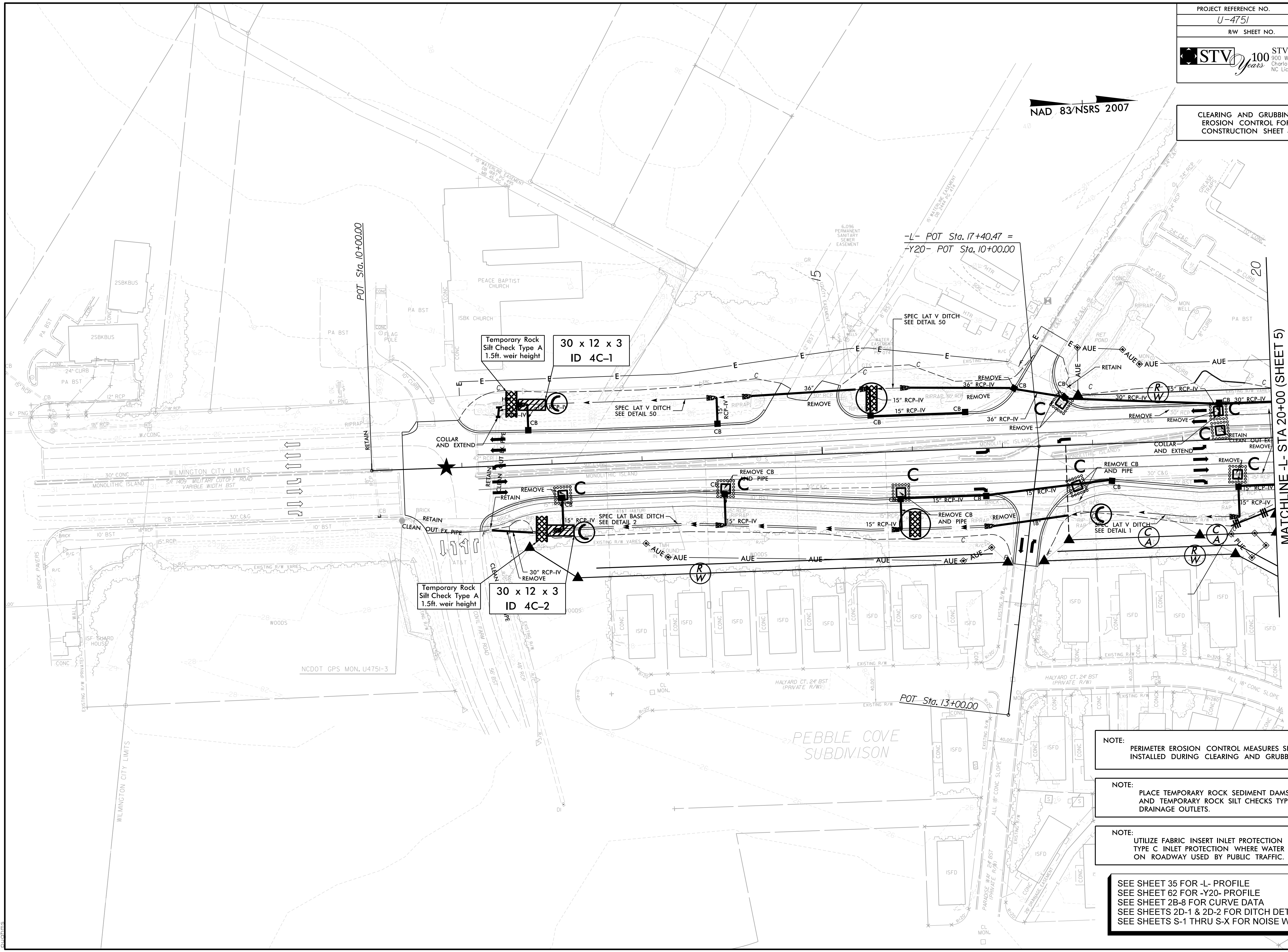
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

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 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HQW ZONES.

NAD 83/NSRS 2007

CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 4



MATCHLINE -L- STA 20+00 (SHEET 5)

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.

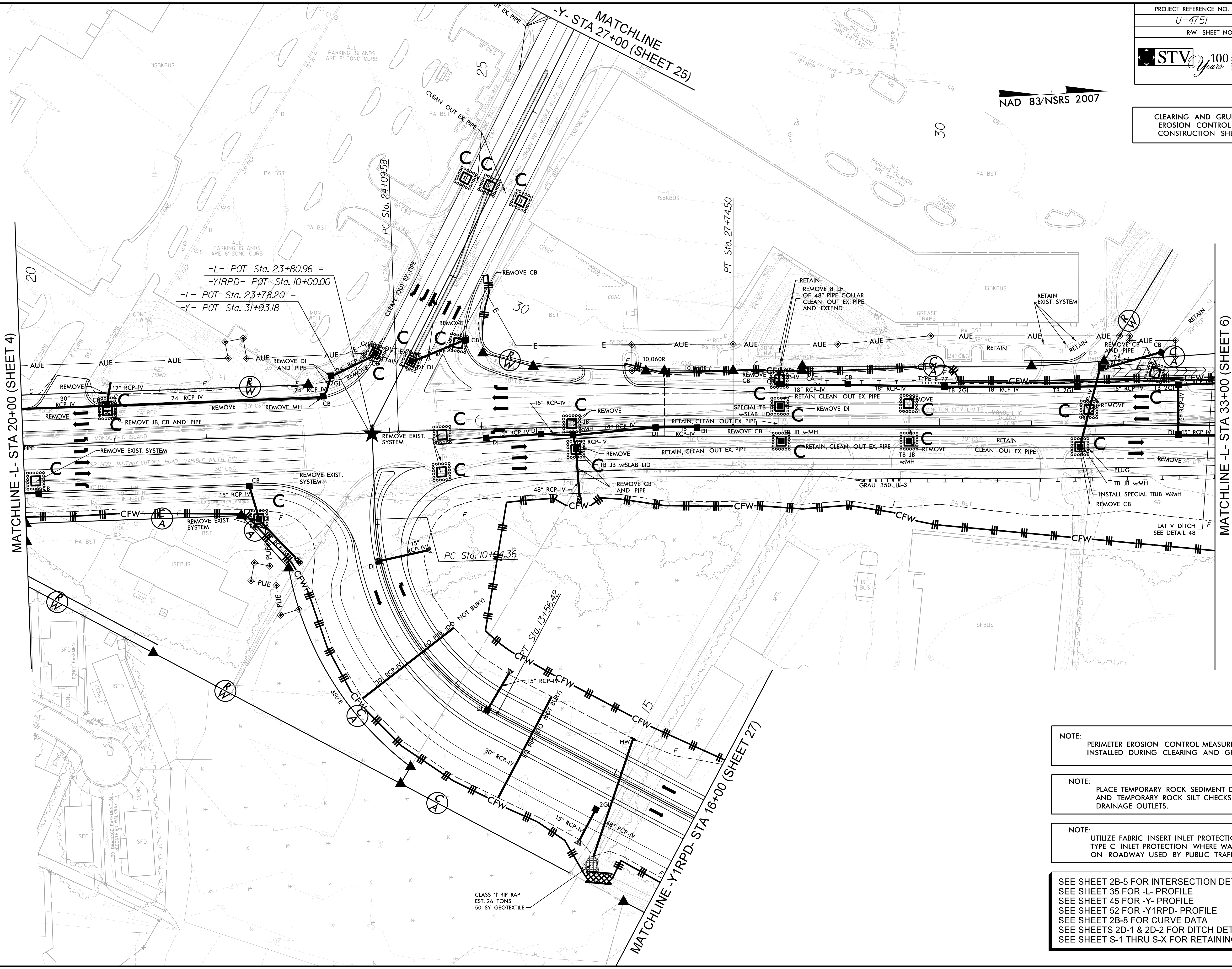
NOTE:
 UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF
 TYPE C INLET PROTECTION WHERE WATER MIGHT POND
 ON ROADWAY USED BY PUBLIC TRAFFIC.

SEE SHEET 35 FOR -L- PROFILE
 SEE SHEET 62 FOR -Y20- PROFILE
 SEE SHEET 2B-8 FOR CURVE DATA
 SEE SHEETS 2D-1 & 2D-2 FOR DITCH DETAILS
 SEE SHEETS S-1 THRU S-X FOR NOISE WALL PLANS

6/2/2017
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NAD 83/NSRS 2007

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 5



-L- POT Sta. 23+80.96 =
-YIRPD- POT Sta. 10+00.00
-L- POT Sta. 23+78.20 =
-Y- POT Sta. 31+93.18

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

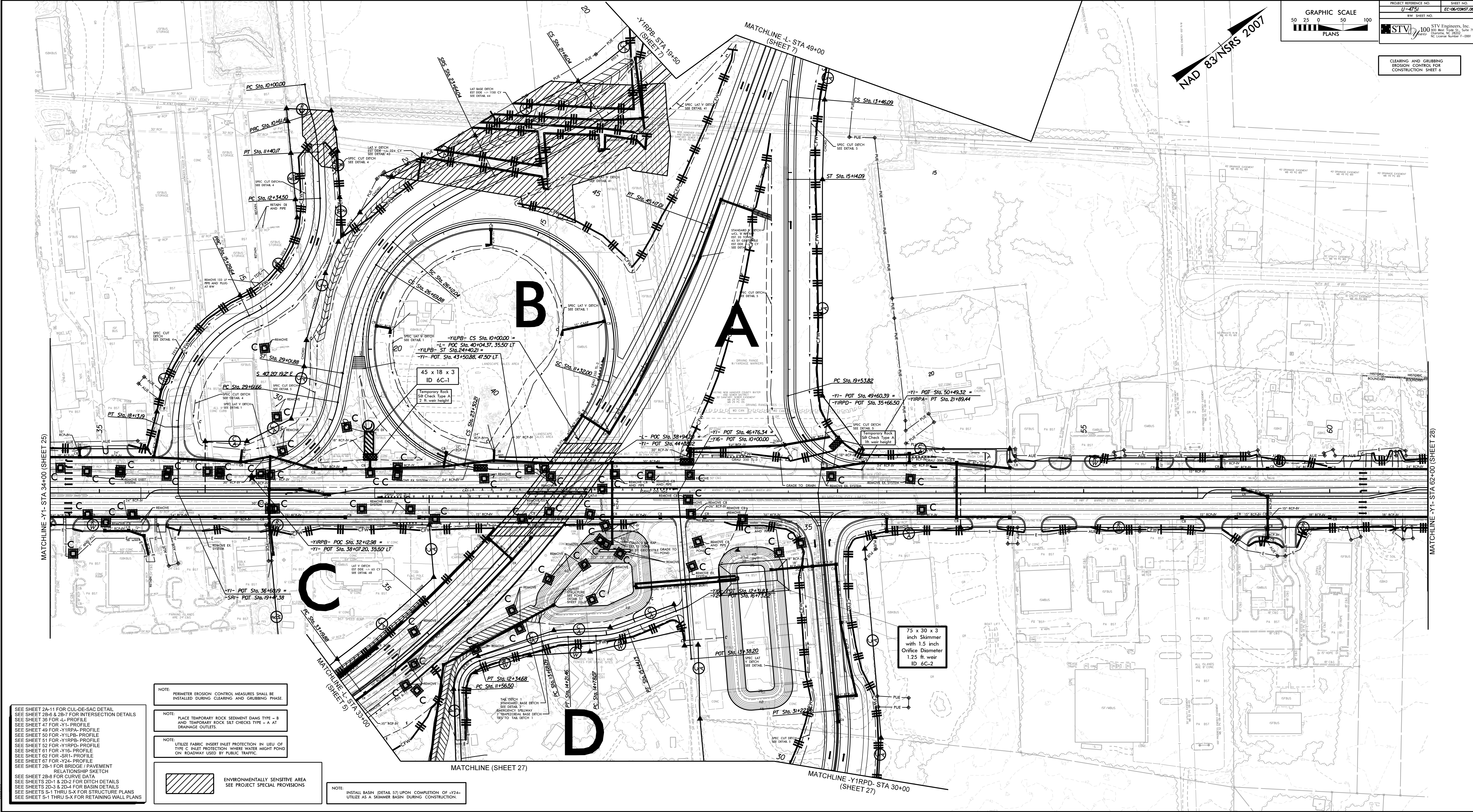
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF
TYPE C INLET PROTECTION WHERE WATER MIGHT POND
ON ROADWAY USED BY PUBLIC TRAFFIC.

SEE SHEET 2B-5 FOR INTERSECTION DETAILS
SEE SHEET 35 FOR -L- PROFILE
SEE SHEET 45 FOR -Y- PROFILE
SEE SHEET 52 FOR -Y1RPD- PROFILE
SEE SHEET 2B-8 FOR CURVE DATA
SEE SHEETS 2D-1 & 2D-2 FOR DITCH DETAILS
SEE SHEET S-1 THRU S-X FOR RETAINING WALL PLANS

6/2/2017
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CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 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 SET CHECKS TYPE - A AT DRAINAGE OUTLETS.

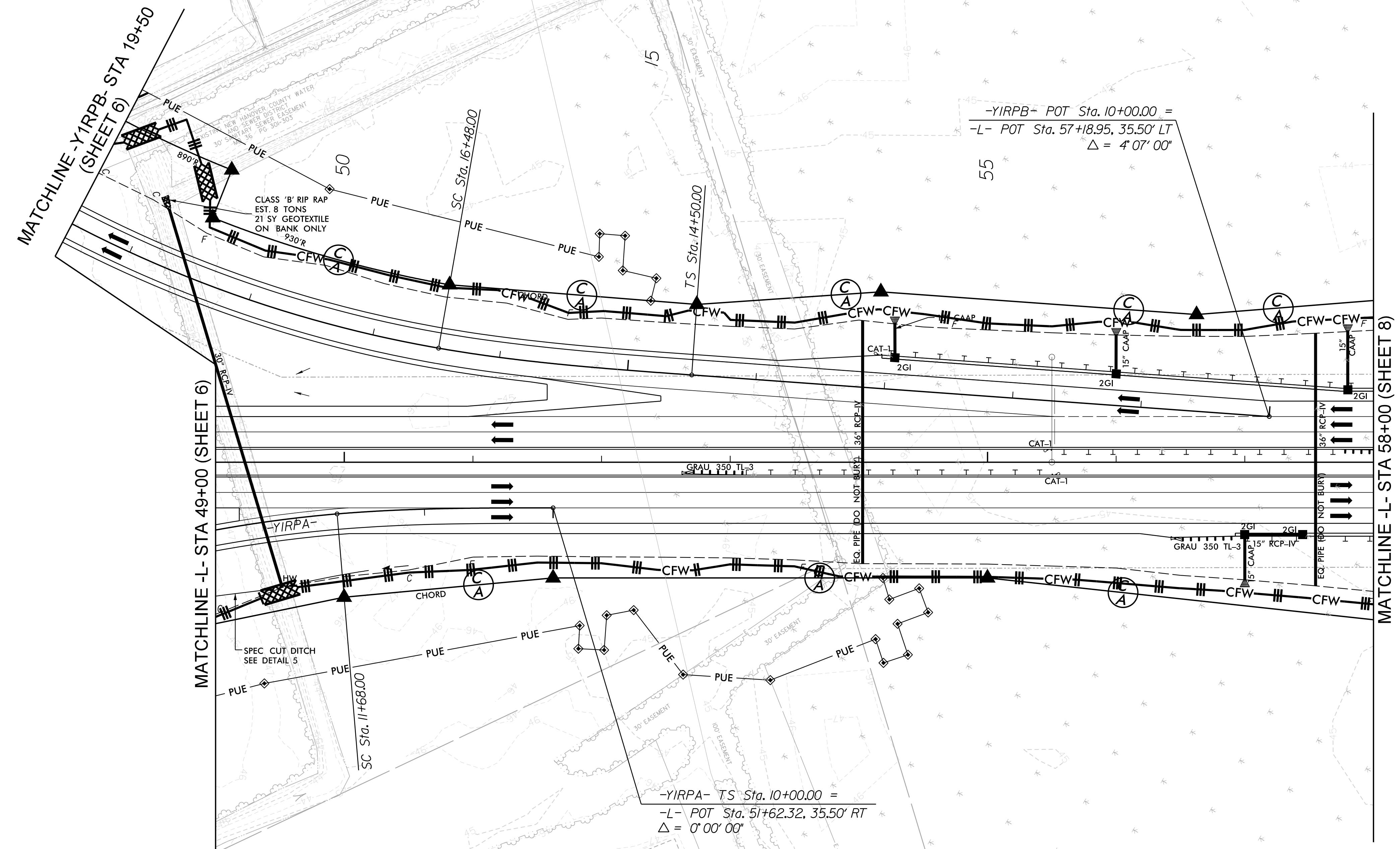
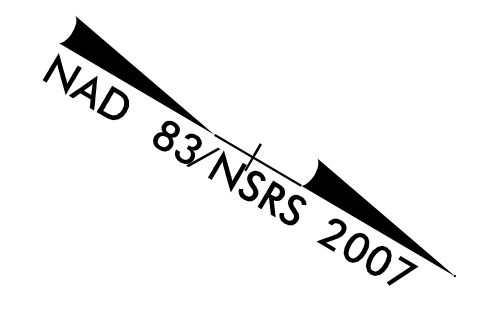
NOTE: UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF TYPE C INLET PROTECTION WHERE WATER MIGHT POOL ON ROADWAY USED BY PUBLIC TRAFFIC.

ENVIRONMENTALLY SENSITIVE AREA
 SEE PROJECT SPECIAL PROVISIONS

NOTE: INSTALL BASIN (DETAIL 57) UPON COMPLETION OF Y1-4 UTILIZE AS A SKIMMER BASIN DURING CONSTRUCTION.

SEE SHEET 2A-11 FOR CUL-DE-SAC DETAIL
 SEE SHEET 28-6 & 28-7 FOR INTERSECTION DETAILS
 SEE SHEET 36 FOR -L- PROFILE
 SEE SHEET 47 FOR -Y1- PROFILE
 SEE SHEET 49 FOR -Y1RPA- PROFILE
 SEE SHEET 50 FOR -Y1LPB- PROFILE
 SEE SHEET 51 FOR -Y1RPB- PROFILE
 SEE SHEET 52 FOR -Y1RPD- PROFILE
 SEE SHEET 61 FOR -Y1G- PROFILE
 SEE SHEET 62 FOR -SRI- PROFILE
 SEE SHEET 67 FOR -Y24- PROFILE
 SEE SHEET 28-1 FOR BRIDGE / PAVEMENT RELATIONSHIP SKETCH
 SEE SHEET 28-8 FOR CURVE DATA
 SEE SHEETS 20-1 & 20-2 FOR DITCH DETAILS
 SEE SHEETS 20-3 & 20-4 FOR BASIN DETAILS
 SEE SHEETS S-1 THRU S-4 FOR STRUCTURE PLANS
 SEE SHEET S-1 THRU S-X FOR RETAINING WALL PLANS

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 7



-YIRPB- POT Sta. 10+00.00 =
-L- POT Sta. 57+18.95, 35.50' LT
Δ = 4' 07" 00"

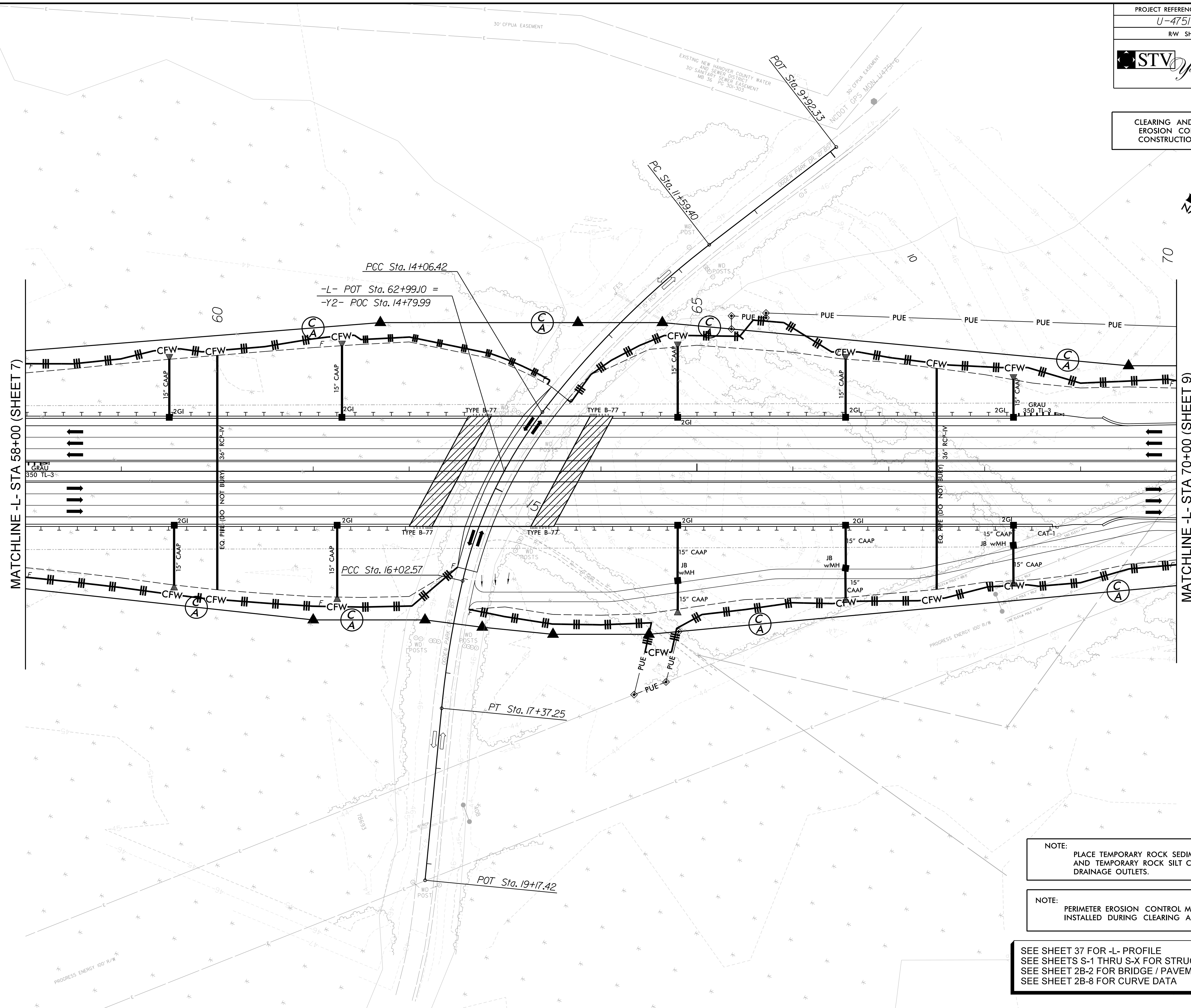
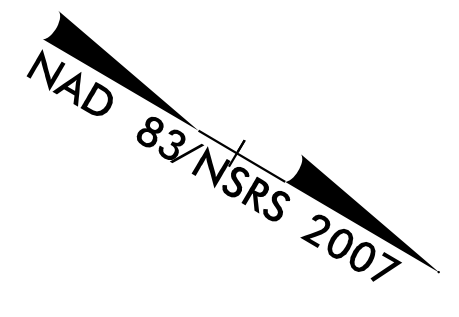
-YIRPA- TS Sta. 10+00.00 =
-L- POT Sta. 51+62.32, 35.50' RT
Δ = 0' 00" 00"

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.

SEE SHEET 36 FOR -L- PROFILE
SEE SHEET 49 FOR -Y1RPA- PROFILE
SEE SHEET 51 FOR -Y1RBPB- PROFILE
SEE SHEET 2B-8 FOR CURVE DATA
SEE SHEETS 2D-1 & 2D-2 FOR DITCH DETAILS

CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 8



MATCHLINE -L- STA 58+00 (SHEET 7)

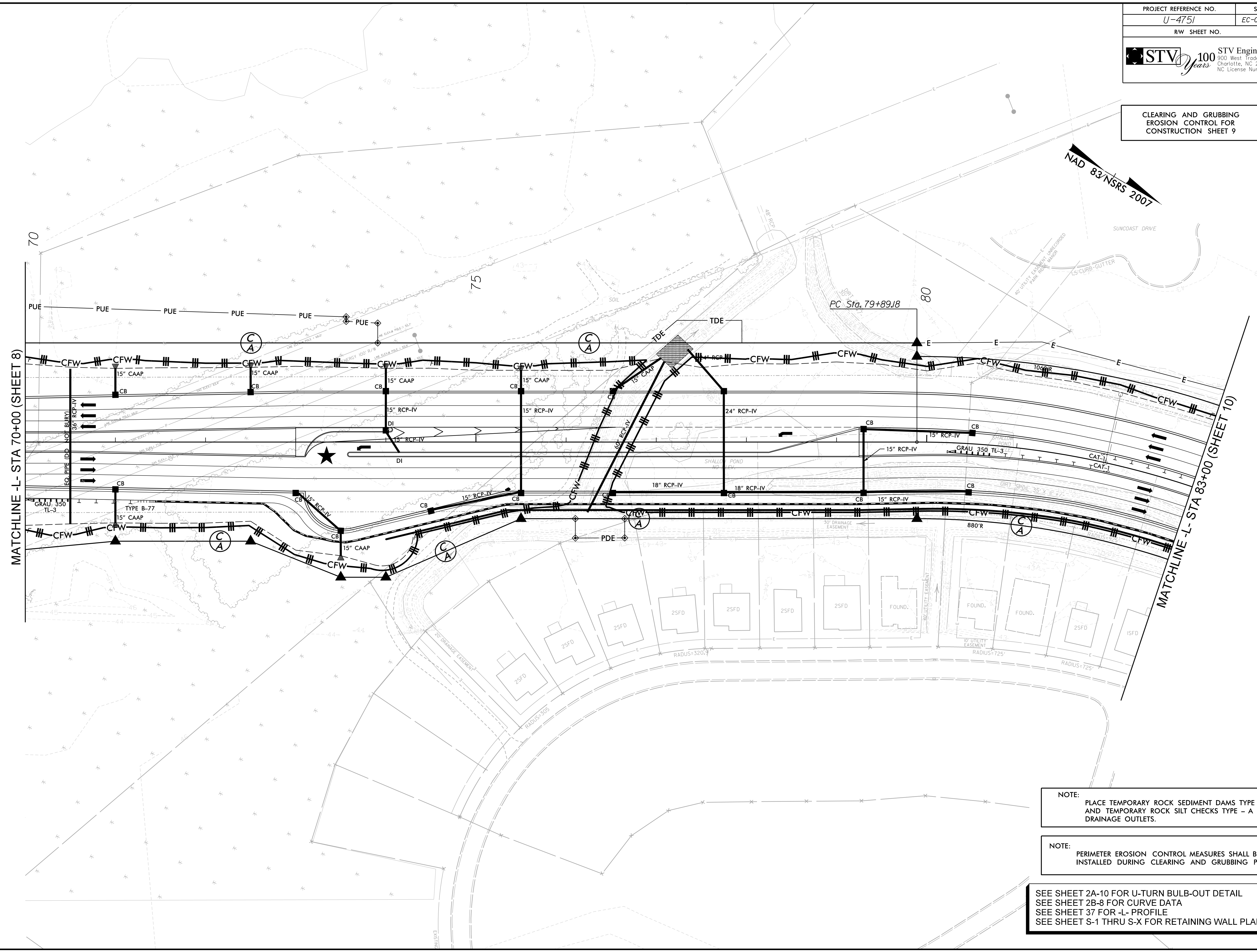
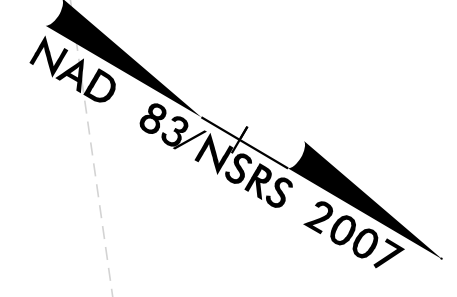
MATCHLINE -L- STA 70+00 (SHEET 9)

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.

SEE SHEET 37 FOR -L- PROFILE
 SEE SHEETS S-1 THRU S-X FOR STRUCTURE PLANS
 SEE SHEET 2B-2 FOR BRIDGE / PAVEMENT RELATIONSHIP
 SEE SHEET 2B-8 FOR CURVE DATA

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 9

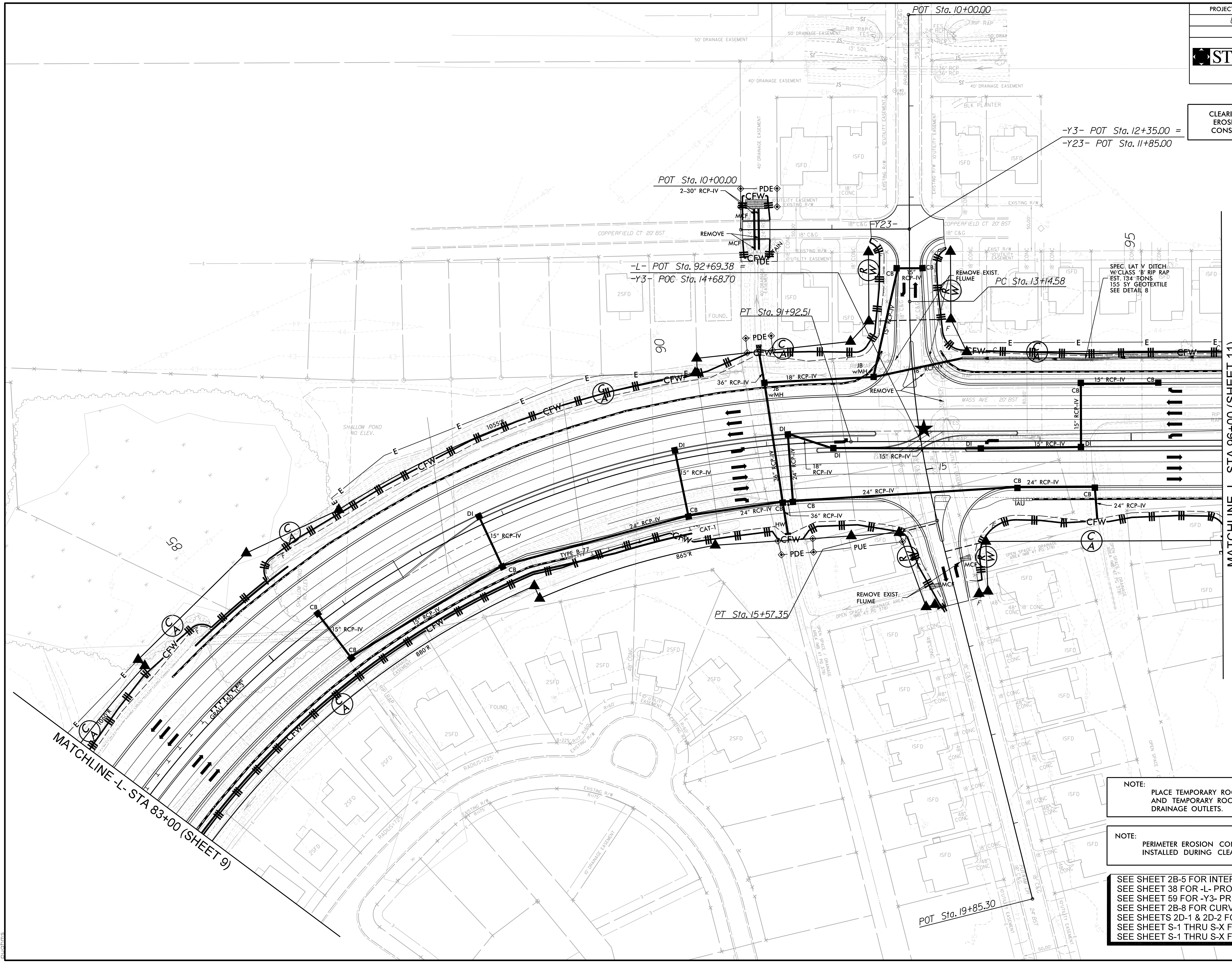
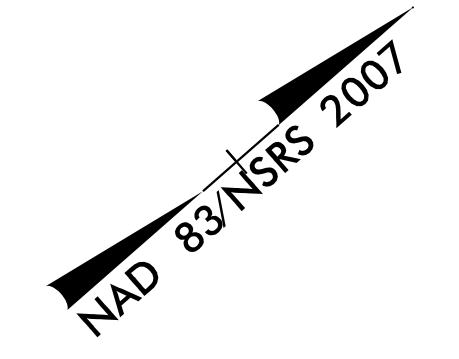


NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.

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

SEE SHEET 2A-10 FOR U-TURN BULB-OUT DETAIL
SEE SHEET 2B-8 FOR CURVE DATA
SEE SHEET 37 FOR -L- PROFILE
SEE SHEET S-1 THRU S-X FOR RETAINING WALL PLANS

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 10



MATCHLINE - L- STA 83+00 (SHEET 9)

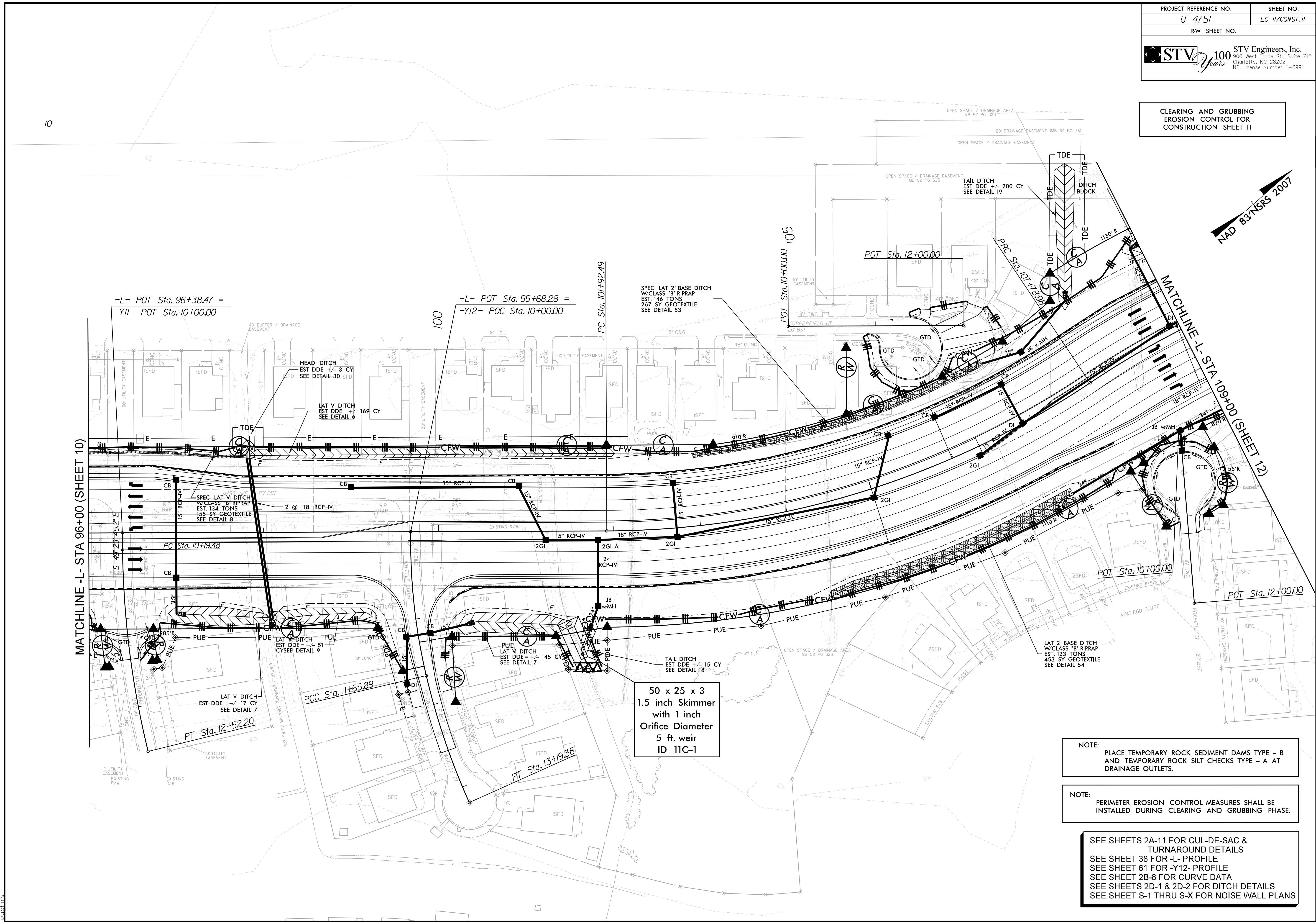
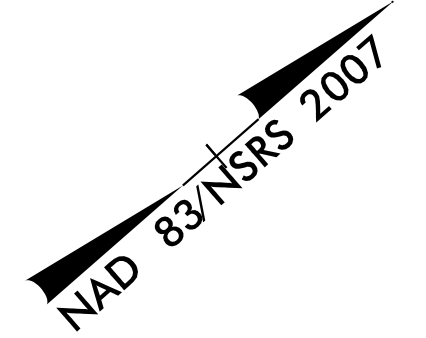
MATCHLINE - L- STA 96+00 (SHEET 11)

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.

SEE SHEET 2B-5 FOR INTERSECTION DETAILS
SEE SHEET 38 FOR -L- PROFILE
SEE SHEET 59 FOR -Y3- PROFILE
SEE SHEET 2B-8 FOR CURVE DATA
SEE SHEETS 2D-1 & 2D-2 FOR DITCH DETAILS
SEE SHEET S-1 THRU S-X FOR RETAINING WALL PLANS
SEE SHEET S-1 THRU S-X FOR NOISE WALL PLANS

**CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 11**



MATCHLINE -L- STA 96+00 (SHEET 10)

MATCHLINE -L- STA 109+00 (SHEET 12)

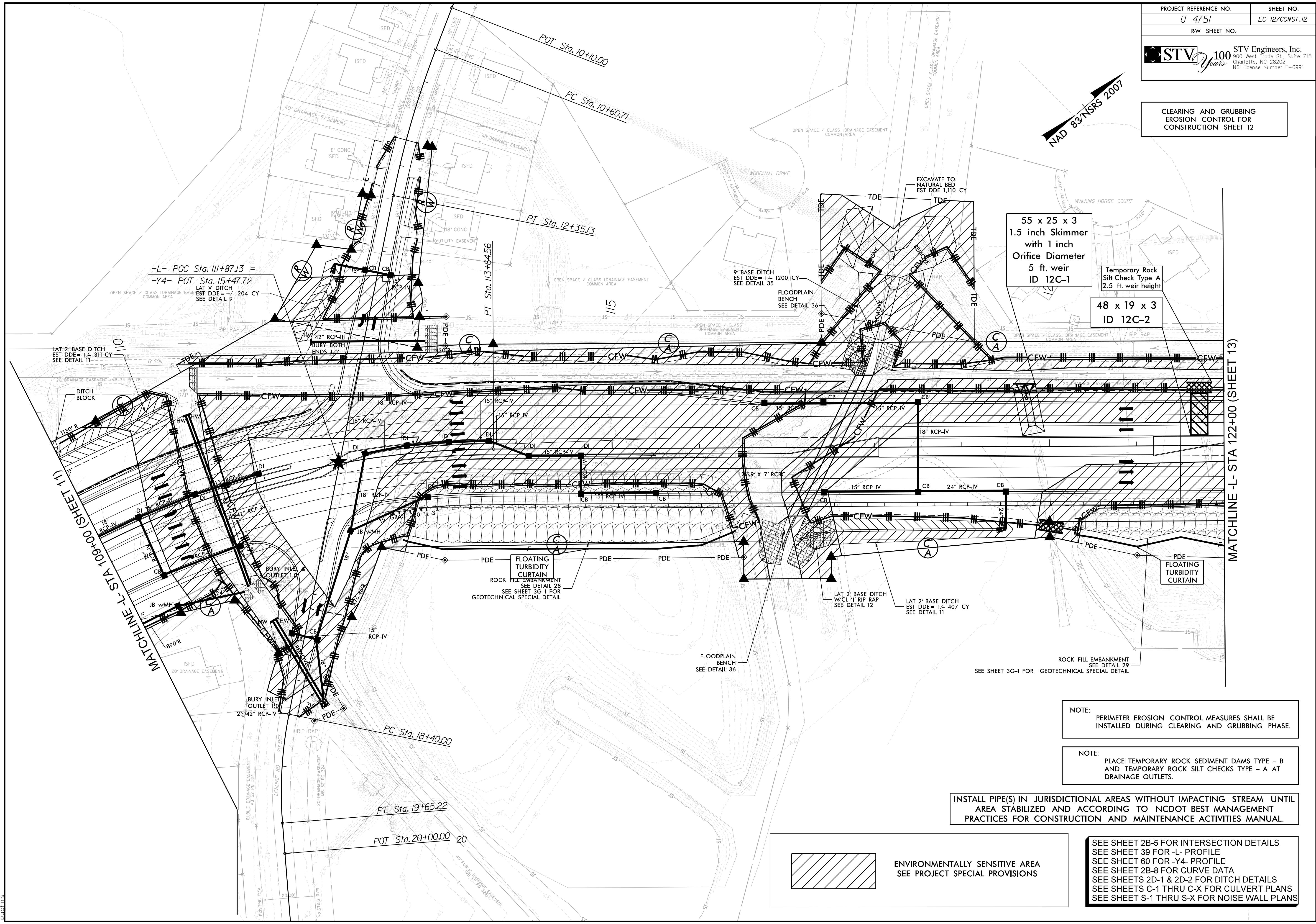
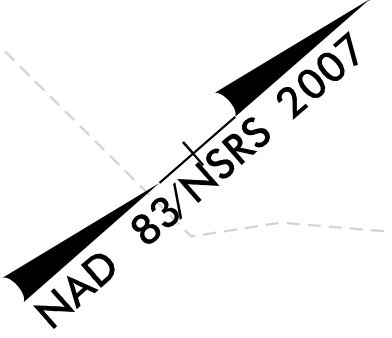
50 x 25 x 3
 1.5 inch Skimmer
 with 1 inch
 Orifice Diameter
 5 ft. weir
 ID 11C-1

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.

SEE SHEETS 2A-11 FOR CUL-DE-SAC &
 TURNAROUND DETAILS
 SEE SHEET 38 FOR -L- PROFILE
 SEE SHEET 61 FOR -Y12- PROFILE
 SEE SHEET 2B-8 FOR CURVE DATA
 SEE SHEETS 2D-1 & 2D-2 FOR DITCH DETAILS
 SEE SHEET S-1 THRU S-X FOR NOISE WALL PLANS

**CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 12**



MATCHLINE - STA 109+00 (SHEET 11)

MATCHLINE -L- STA 122+00 (SHEET 13)

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.

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.

 ENVIRONMENTALLY SENSITIVE AREA
 SEE PROJECT SPECIAL PROVISIONS

SEE SHEET 2B-5 FOR INTERSECTION DETAILS
 SEE SHEET 39 FOR -L- PROFILE
 SEE SHEET 60 FOR -Y4- PROFILE
 SEE SHEET 2B-8 FOR CURVE DATA
 SEE SHEETS 2D-1 & 2D-2 FOR DITCH DETAILS
 SEE SHEETS C-1 THRU C-X FOR CULVERT PLANS
 SEE SHEET S-1 THRU S-X FOR NOISE WALL PLANS

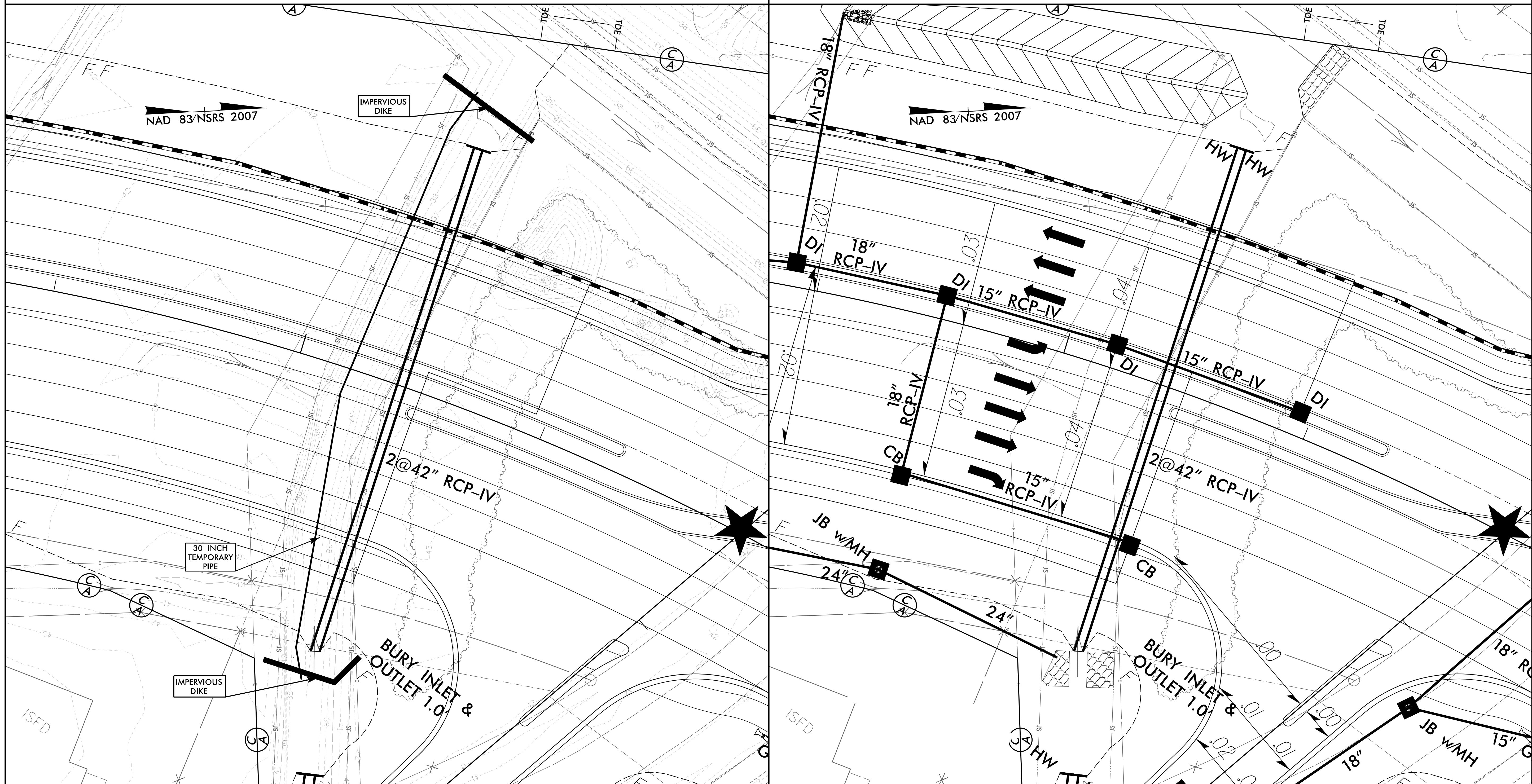
CULVERT CONSTRUCTION SEQUENCE STA. 110+42 -L-

PHASE I

1. INSTALL SPECIAL STILLING BASIN AS DIRECTED.
2. INSTALL 30" TEMPORARY PIPE AND IMPERVIOUS DIKES TO ANCHOR PIPE AND DIVERT FLOW.
3. DEWATER CONSTRUCTION AREA.
4. CONSTRUCT PROPOSED CULVERTS AND INLET CHANNEL IMPROVEMENTS.

PHASE II

5. EXCAVATE ANY ACCUMULATED SILT AND DEWATER BEFORE REMOVAL OF IMPERVIOUS DIKES AND TEMPORARY PIPE.
6. REMOVE IMPERVIOUS DIKES AND TEMPORARY PIPE, DIVERTING FLOW THROUGH PROPOSED CULVERTS.
7. CONSTRUCT OUTLET CHANNEL IMPROVEMENTS.
8. REMOVE SPECIAL STILLING BASIN, STABILIZE DISTURBED AREA, AND COMPLETE ROADWAY.



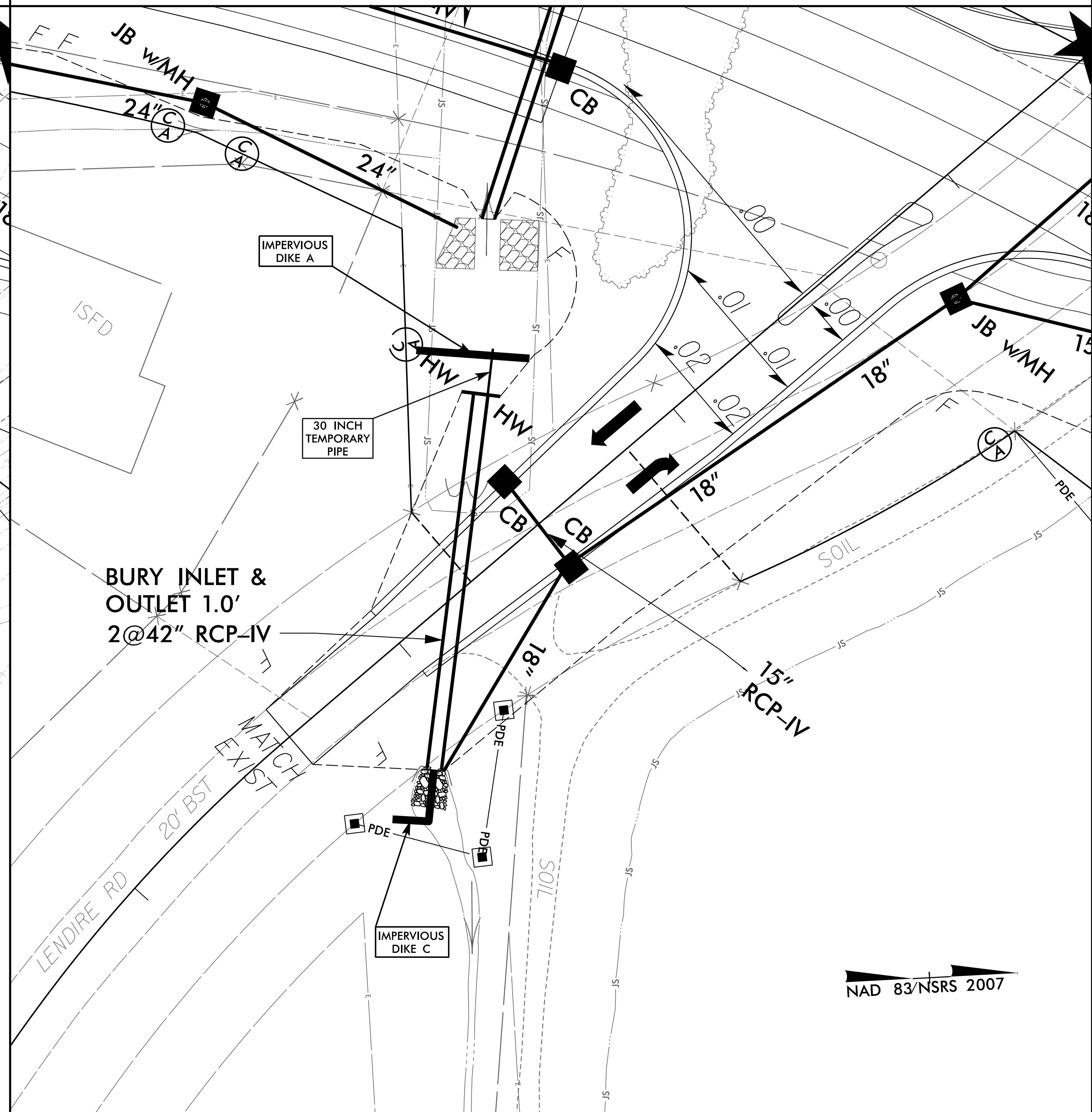
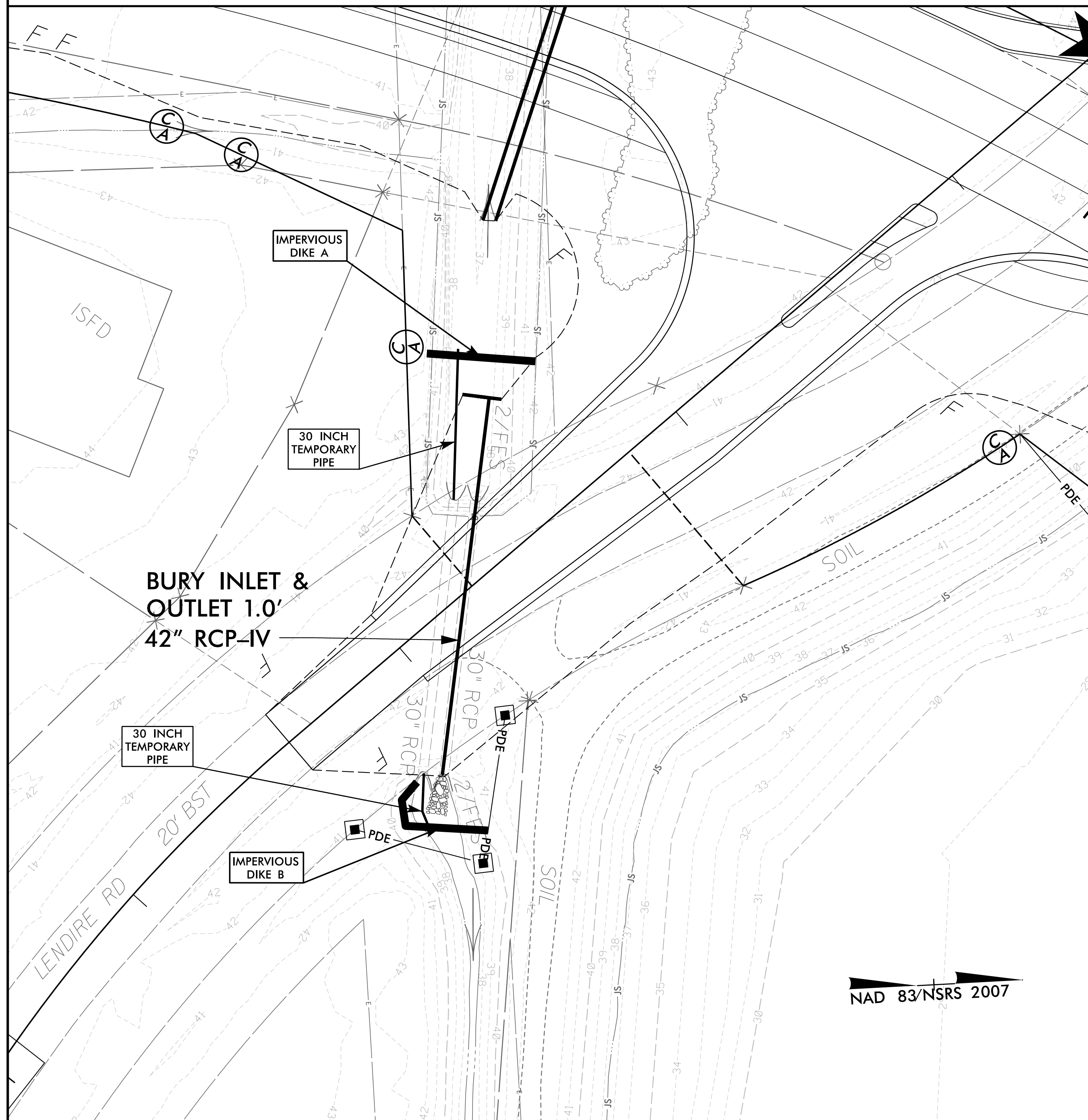
CULVERT CONSTRUCTION SEQUENCE STA. 17+79 -Y4-

PHASE I

1. INSTALL SPECIAL STILLING BASIN AS DIRECTED.
2. INSTALL 30" TEMPORARY PIPE AND IMPERVIOUS DIKES A, B TO ANCHOR PIPE, AND DIVERT FLOW.
3. DEWATER CULVERT CONSTRUCTION AREA.
4. CONSTRUCT PROPOSED NORTHERN 42" CULVERT AND INLET/OUTLET CHANNEL IMPROVEMENTS.
5. EXCAVATE ANY ACCUMULATED SILT AND DEWATER BEFORE REMOVAL OF IMPERVIOUS DIKE B AND TEMPORARY PIPE.

PHASE II

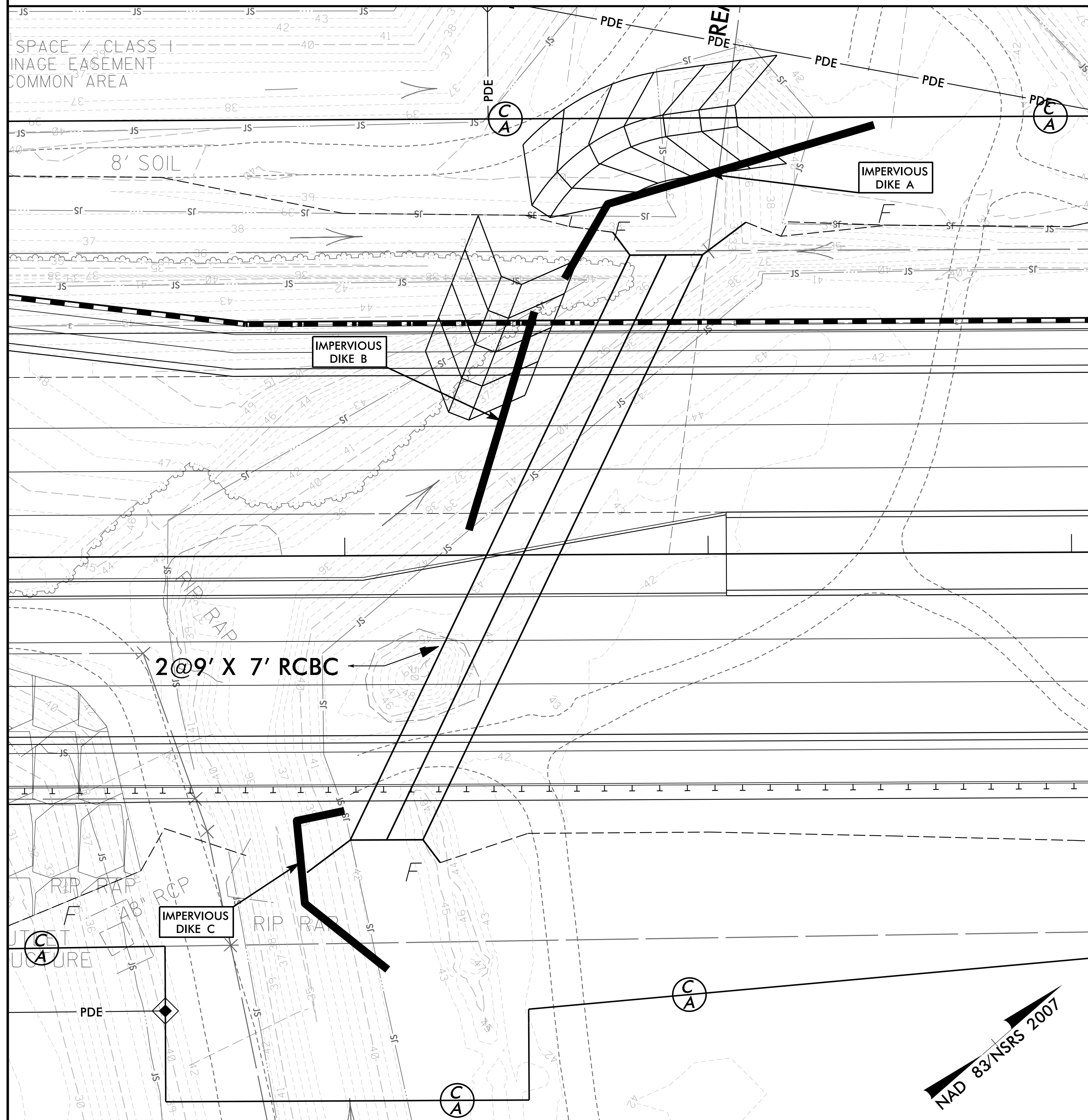
6. CONSTRUCT IMPERVIOUS DIKE C AND REMOVE IMPERVIOUS DIKE B.
7. SHIFT TEMPORARY PIPE TO DIVERT FLOW THROUGH THE COMPLETED NORTHERN BARREL.
8. CONSTRUCT PROPOSED SOUTHERN 42" CULVERT AND INLET/OUTLET CHANNEL IMPROVEMENTS.
9. EXCAVATE ANY ACCUMULATED SILT AND DEWATER BEFORE REMOVAL OF IMPERVIOUS DIKES AND TEMPORARY PIPE.
10. REMOVE ALL IMPERVIOUS DIKES AND TEMPORARY PIPES.
11. REMOVE SPECIAL STILLING BASIN, STABILIZE DISTURBED AREA, AND COMPLETE ROADWAY.



CULVERT CONSTRUCTION SEQUENCE STA. 117+49 -L-

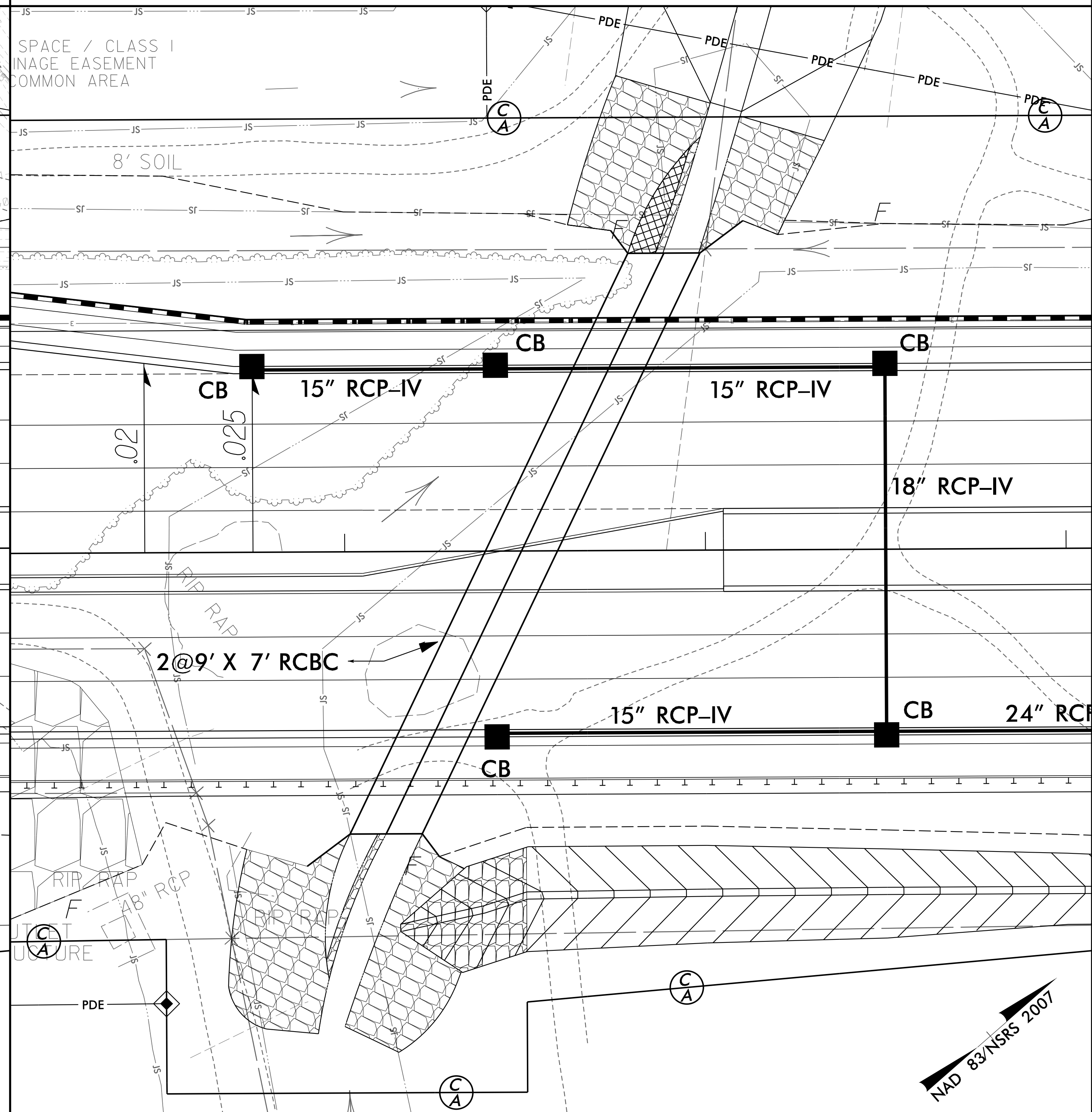
PHASE I

1. INSTALL SPECIAL STILLING BASIN AS DIRECTED.
2. CONSTRUCT TEMPORARY CHANNEL CHANGE WITH LINER (6 FT. BASE, 5 FEET DEEP, 3:1 SIDESLOPES).
3. CONSTRUCT IMPERVIOUS DIKES, DIVERTING FLOW THROUGH TEMPORARY CHANNEL CHANGE.
4. DEWATER CULVERT CONSTRUCTION AREA AND EXCAVATE ANY ACCUMULATED SILT.
5. CONSTRUCT PROPOSED CULVERT.

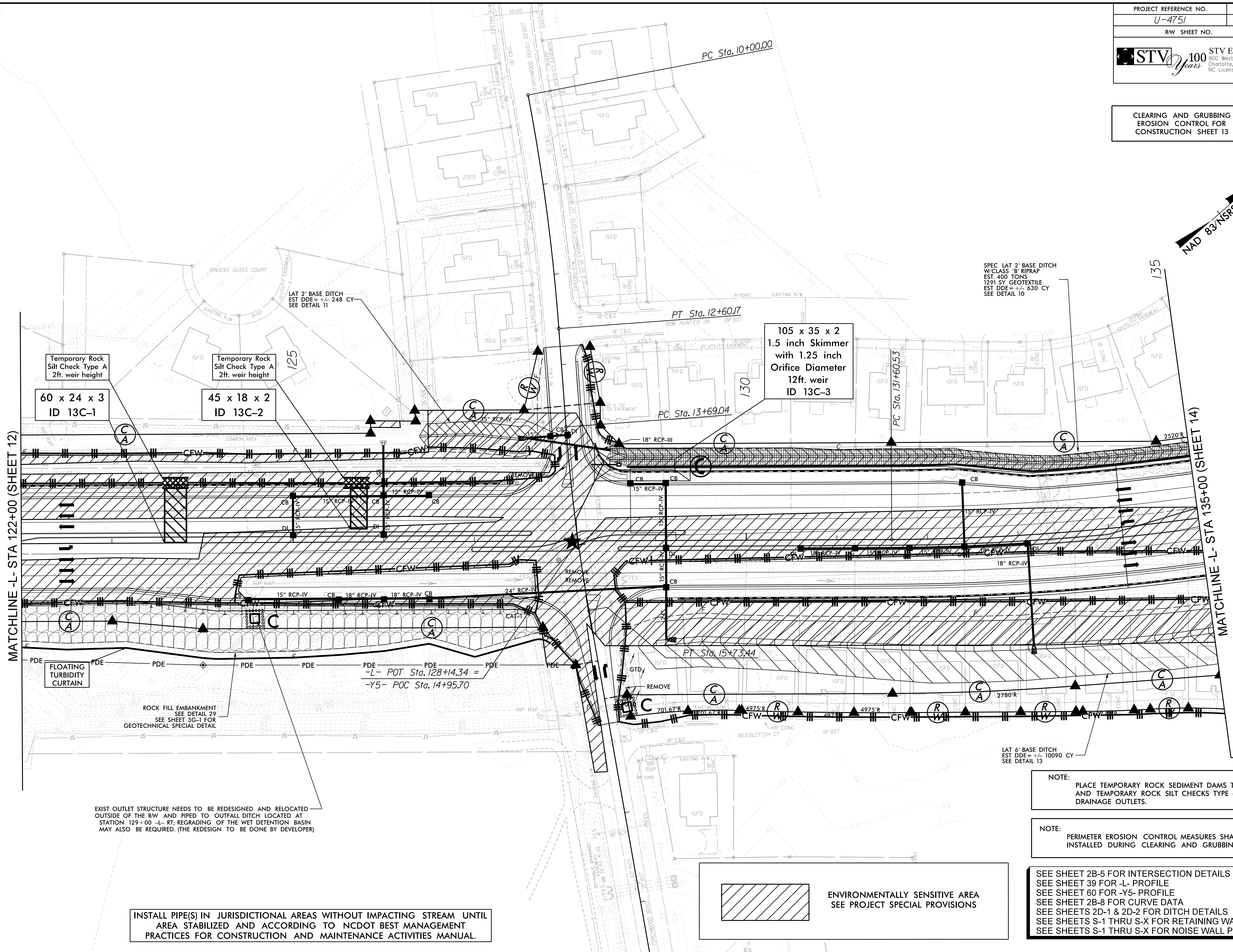
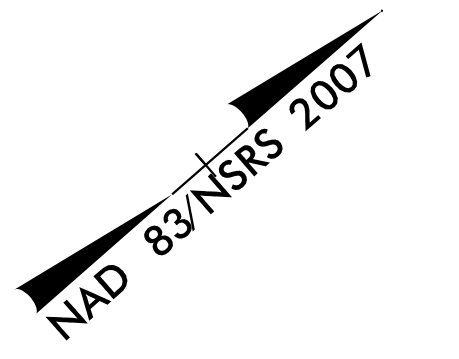


PHASE II

6. CONSTRUCT INLET/OUTLET CHANNEL IMPROVEMENTS.
7. EXCAVATE ANY ACCUMULATED SILT AND DEWATER BEFORE REMOVAL OF IMPERVIOUS DIKES.
8. REMOVE IMPERVIOUS DIKES AND TEMPORARY CHANNEL CHANGE, DIVERTING FLOW THROUGH PROPOSED CULVERT.
9. REMOVE SPECIAL STILLING BASIN, STABILIZE DISTURBED AREA, AND COMPLETE ROADWAY.



**CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 13**



MATCHLINE -L- STA 122+00 (SHEET 12)

MATCHLINE -L- STA 135+00 (SHEET 14)

Temporary Rock Silt Check Type A
 2ft. weir height
 60 x 24 x 3
 ID 13C-1

Temporary Rock Silt Check Type A
 2ft. weir height
 45 x 18 x 2
 ID 13C-2

105 x 35 x 2
 1.5 inch Skimmer
 with 1.25 inch
 Orifice Diameter
 12ft. weir
 ID 13C-3

FLLOATING
 TURBIDITY
 CURTAIN

ROCK FILL EMBANKMENT
 SEE DETAIL 29
 SEE SHEET 3G-1 FOR
 GEOTECHNICAL SPECIAL DETAIL

EXIST OUTLET STRUCTURE NEEDS TO BE REDESIGNED AND RELOCATED
 OUTSIDE OF THE RW AND PIPED TO OUTFALL DITCH LOCATED AT
 STATION 129+00 -L- RT; REGRADING OF THE WET DETENTION BASIN
 MAY ALSO BE REQUIRED. (THE REDESIGN TO BE DONE BY DEVELOPER)

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.

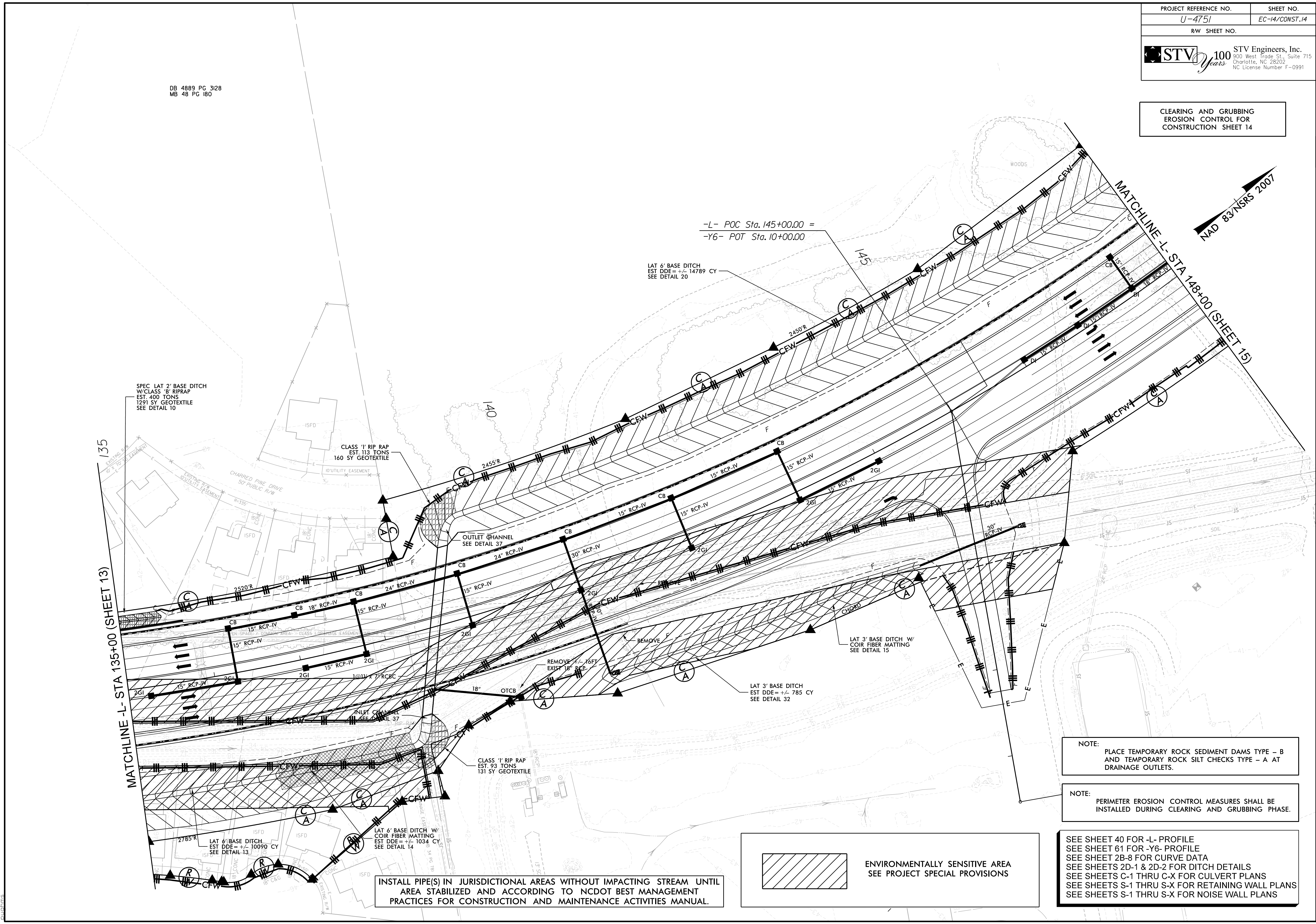
ENVIRONMENTALLY SENSITIVE AREA
 SEE PROJECT SPECIAL PROVISIONS

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.

SEE SHEET 2B-5 FOR INTERSECTION DETAILS
 SEE SHEET 39 FOR -L- PROFILE
 SEE SHEET 60 FOR -Y5- PROFILE
 SEE SHEET 2B-8 FOR CURVE DATA
 SEE SHEETS 2D-1 & 2D-2 FOR DITCH DETAILS
 SEE SHEETS S-1 THRU S-X FOR RETAINING WALL PLANS
 SEE SHEETS S-1 THRU S-X FOR NOISE WALL PLANS

**CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 14**



SPEC. LAT 2' BASE DITCH
 W/CLASS 'B' RIPRAP
 EST. 400 TONS
 1291 SY GEOTEXTILE
 SEE DETAIL 10

CLASS 'I' RIP RAP
 EST. 113 TONS
 160 SY GEOTEXTILE

CLASS 'I' RIP RAP
 EST. 93 TONS
 131 SY GEOTEXTILE

LAT 6' BASE DITCH
 EST DDE = +/- 10090 CY
 SEE DETAIL 13

LAT 6' BASE DITCH W/
 COIR FIBER MATTING
 EST DDE = +/- 1034 CY
 SEE DETAIL 14

-L- POC Sta. 145+00.00 =
 -Y6- POT Sta. 10+00.00

LAT 6' BASE DITCH
 EST DDE = +/- 14789 CY
 SEE DETAIL 20

LAT 3' BASE DITCH W/
 COIR FIBER MATTING
 SEE DETAIL 15

LAT 3' BASE DITCH
 EST DDE = +/- 785 CY
 SEE DETAIL 32

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.

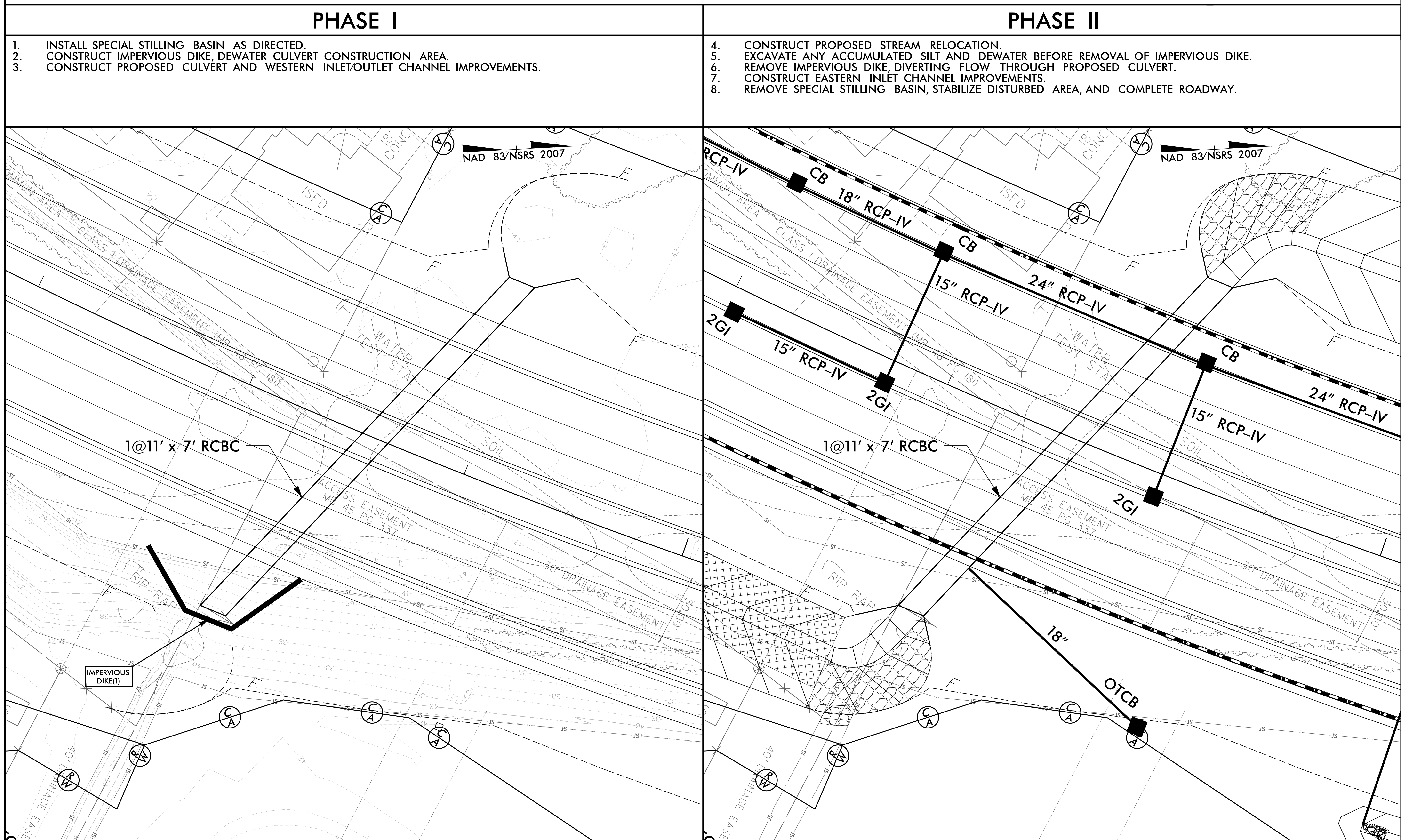
SEE SHEET 40 FOR -L- PROFILE
 SEE SHEET 61 FOR -Y6- PROFILE
 SEE SHEET 2B-8 FOR CURVE DATA
 SEE SHEETS 2D-1 & 2D-2 FOR DITCH DETAILS
 SEE SHEETS C-1 THRU C-X FOR CULVERT PLANS
 SEE SHEETS S-1 THRU S-X FOR RETAINING WALL PLANS
 SEE SHEETS S-1 THRU S-X FOR NOISE WALL PLANS

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.

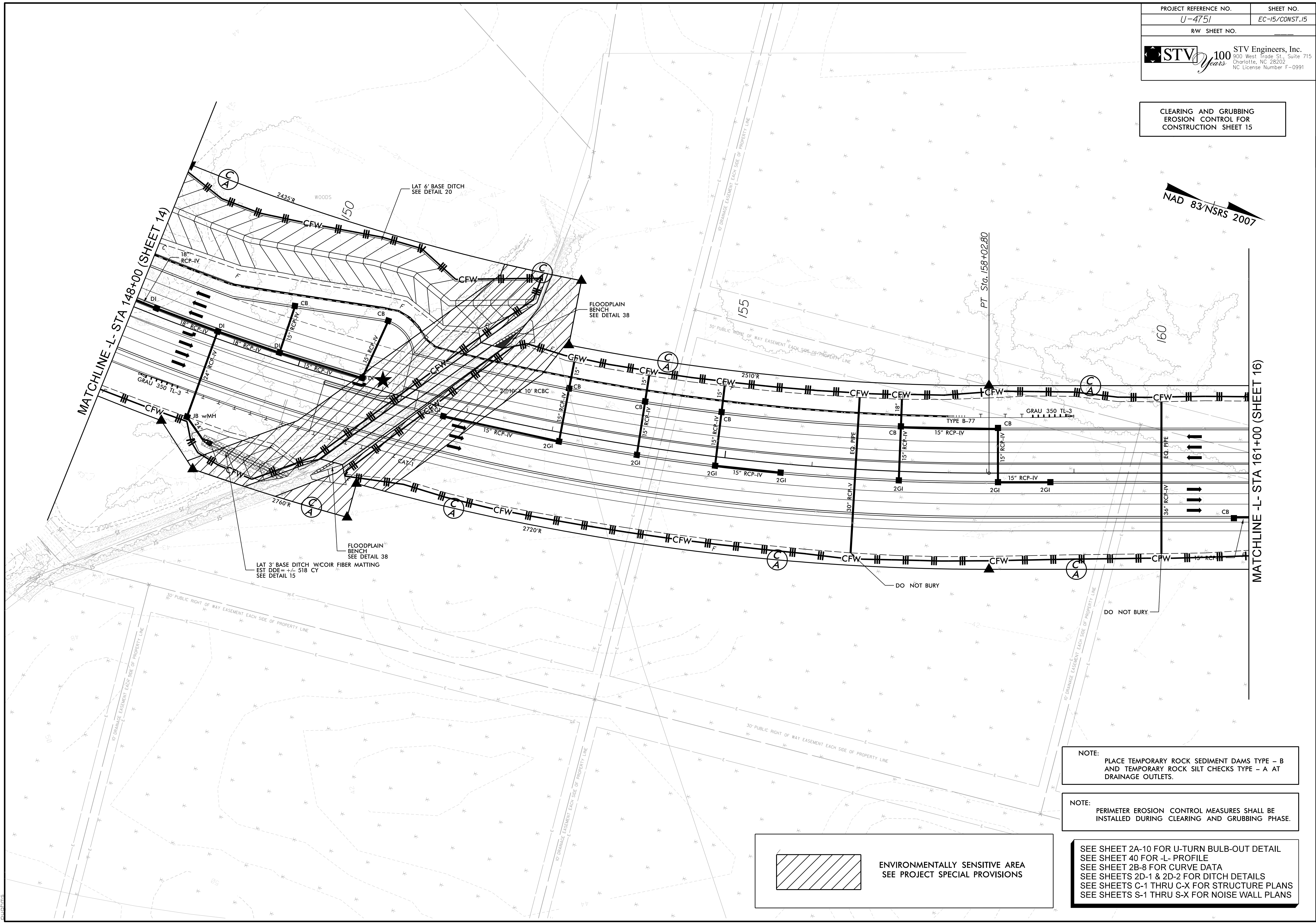
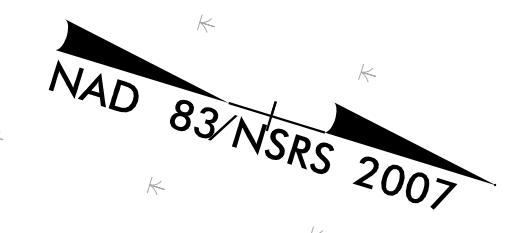
 ENVIRONMENTALLY SENSITIVE AREA
 SEE PROJECT SPECIAL PROVISIONS

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 6/2/2017

CULVERT CONSTRUCTION SEQUENCE STA. 138+59 -L-



**CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 15**



MATCHLINE -L- STA 148+00 (SHEET 14)

MATCHLINE -L- STA 161+00 (SHEET 16)

LAT 3' BASE DITCH W/COIR FIBER MATTING
 EST DDE = 1/2 - 518 CY
 SEE DETAIL 15

FLOODPLAIN BENCH
 SEE DETAIL 38

LAT 6' BASE DITCH
 SEE DETAIL 20

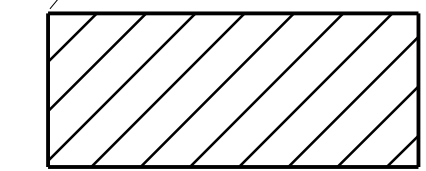
FLOODPLAIN BENCH
 SEE DETAIL 38

DO NOT BURY

DO NOT BURY

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.



ENVIRONMENTALLY SENSITIVE AREA
 SEE PROJECT SPECIAL PROVISIONS

SEE SHEET 2A-10 FOR U-TURN BULB-OUT DETAIL
 SEE SHEET 40 FOR -L- PROFILE
 SEE SHEET 2B-8 FOR CURVE DATA
 SEE SHEETS 2D-1 & 2D-2 FOR DITCH DETAILS
 SEE SHEETS C-1 THRU C-X FOR STRUCTURE PLANS
 SEE SHEETS S-1 THRU S-X FOR NOISE WALL PLANS

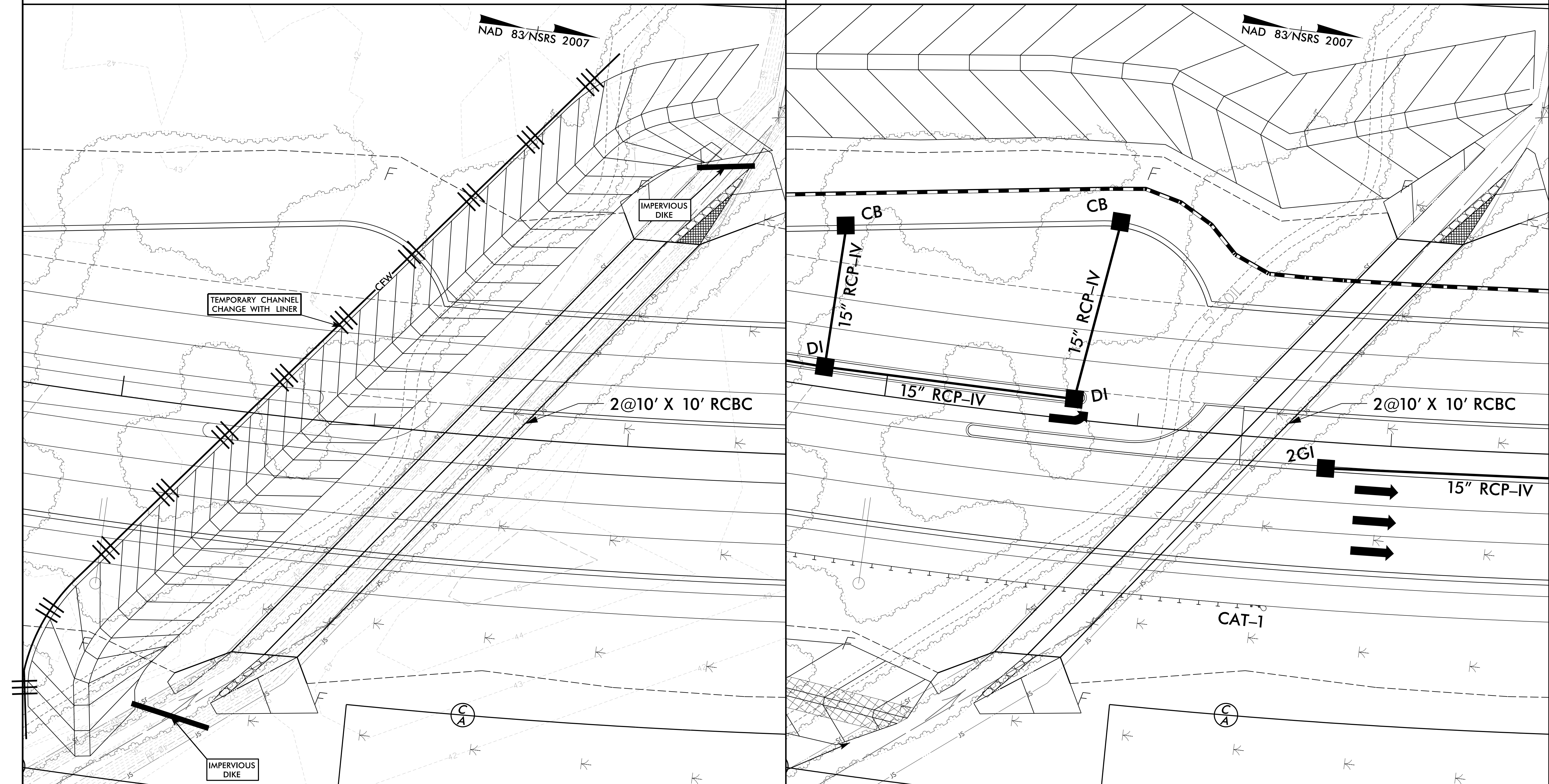
CULVERT CONSTRUCTION SEQUENCE STA. 151+41 -L-

PHASE I

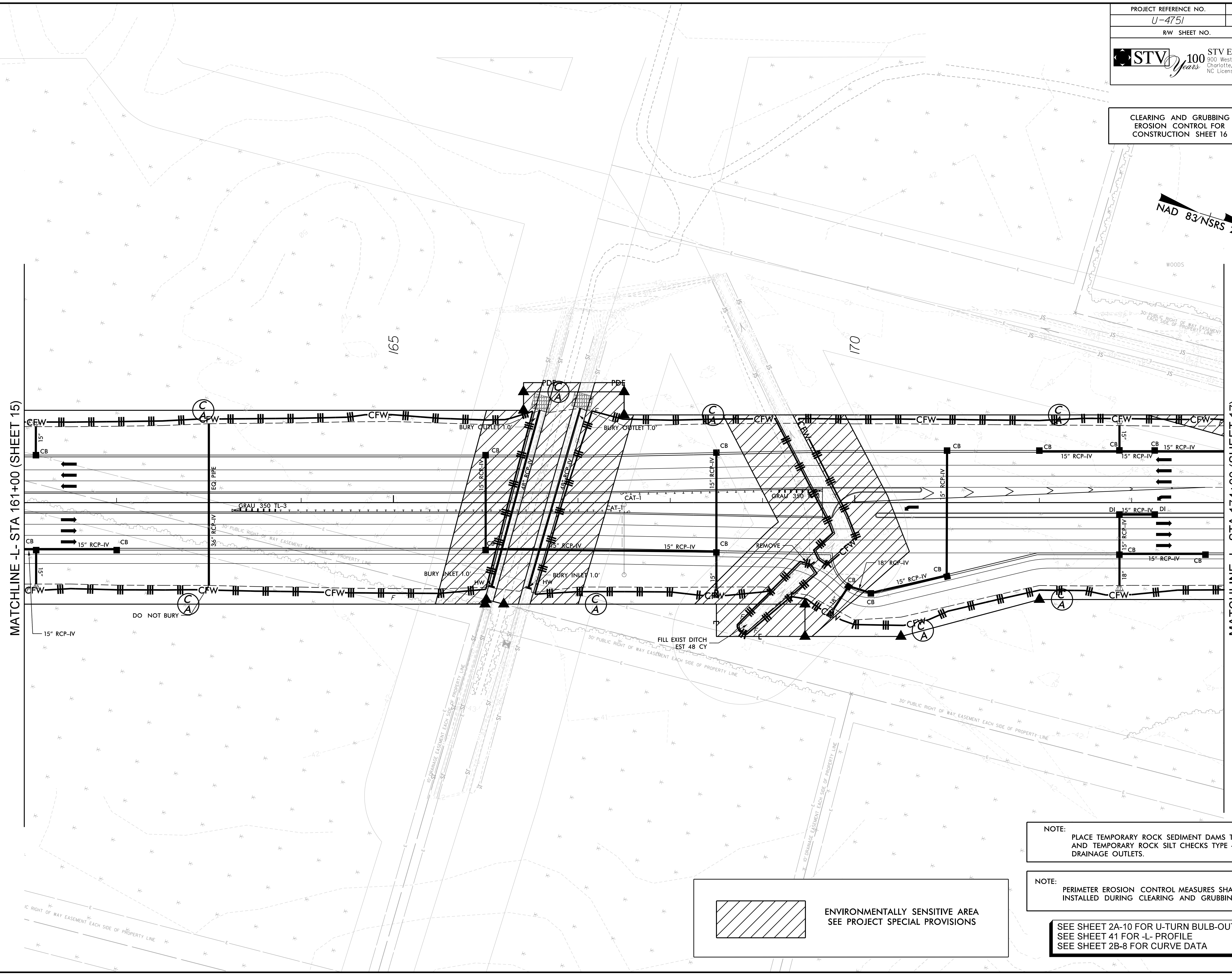
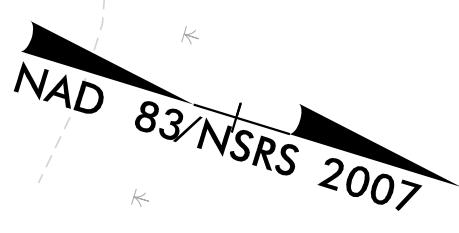
1. INSTALL SPECIAL STILLING BASIN AS DIRECTED.
2. CONSTRUCT TEMPORARY CHANNEL CHANGE WITH LINER (6 FT. BASE, 6 FEET DEEP, 3:1 SIDE SLOPES).
3. INSTALL IMPERVIOUS DIKES, DIVERTING FLOW THROUGH TEMPORARY CHANNEL CHANGE.
4. DEWATER CULVERT CONSTRUCTION AREA AND EXCAVATE ANY ACCUMULATED SILT.
5. CONSTRUCT PROPOSED CULVERT AND INLET/OUTLET CHANNEL IMPROVEMENTS.

PHASE II

6. EXCAVATE ANY ACCUMULATED SILT AND DEWATER BEFORE REMOVAL OF IMPERVIOUS DIKES AND TEMPORARY CHANNEL CHANGE.
7. REMOVE IMPERVIOUS DIKES AND TEMPORARY CHANNEL CHANGE, DIVERTING FLOW THROUGH PROPOSED CULVERT.
8. REMOVE SILT FENCE PROTECTING TEMPORARY CHANNEL CHANGE.
9. REMOVE SPECIAL STILLING BASINS, STABILIZE DISTURBED AREA, AND COMPLETE ROADWAY.



**CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 16**



MATCHLINE -L- STA 161+00 (SHEET 15)

MATCHLINE -L- STA 174+00 (SHEET 17)

 ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

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.

SEE SHEET 2A-10 FOR U-TURN BULB-OUT DETAIL
SEE SHEET 41 FOR -L- PROFILE
SEE SHEET 2B-8 FOR CURVE DATA

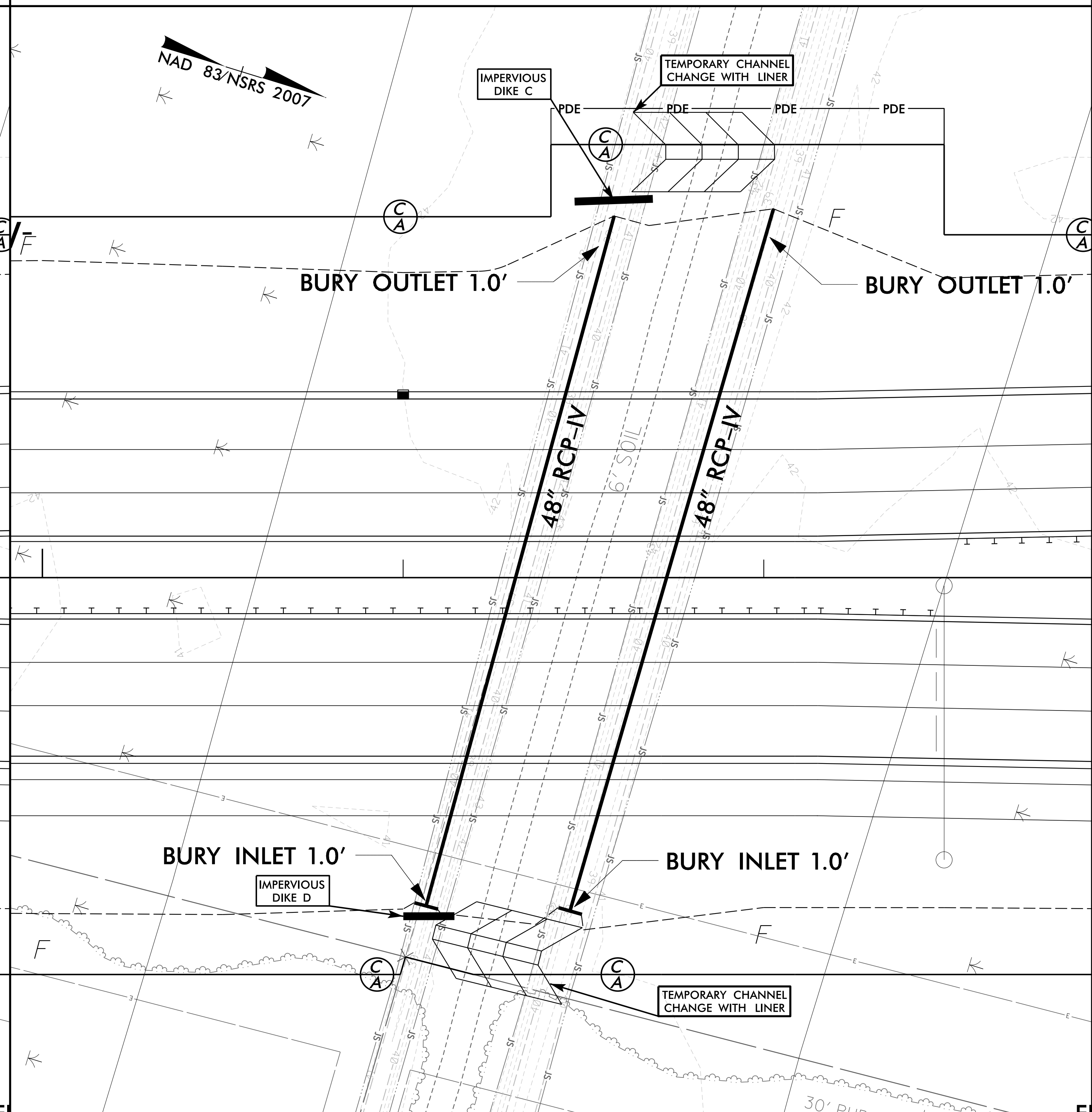
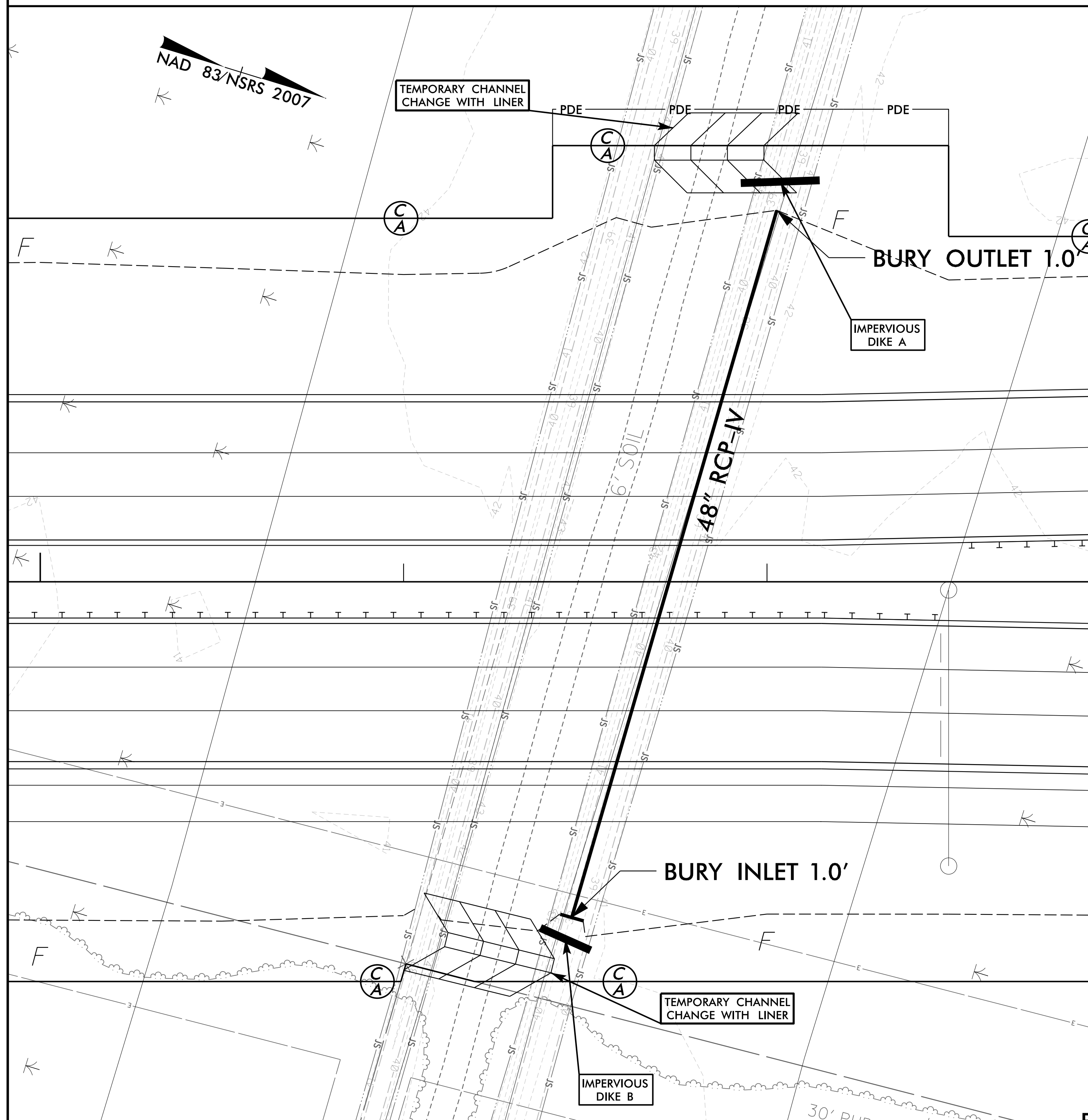
CULVERT CONSTRUCTION SEQUENCE STA. 166 + 50 -L-

PHASE I

1. INSTALL SPECIAL STILLING BASIN AS DIRECTED.
2. CONSTRUCT TEMPORARY CHANNEL CHANGE WITH LINER (4 FT. BASE, 3 FEET DEEP, 3:1 SIDE SLOPES).
3. INSTALL IMPERVIOUS DIKES A, B DIVERTING FLOW THROUGH SOUTHERN CHANNEL.
4. DEWATER CULVERT CONSTRUCTION AREA AND EXCAVATE ANY ACCUMULATED SILT.
5. CONSTRUCT PROPOSED NORTHERN CULVERT AND INLET CHANNEL IMPROVEMENTS.

PHASE II

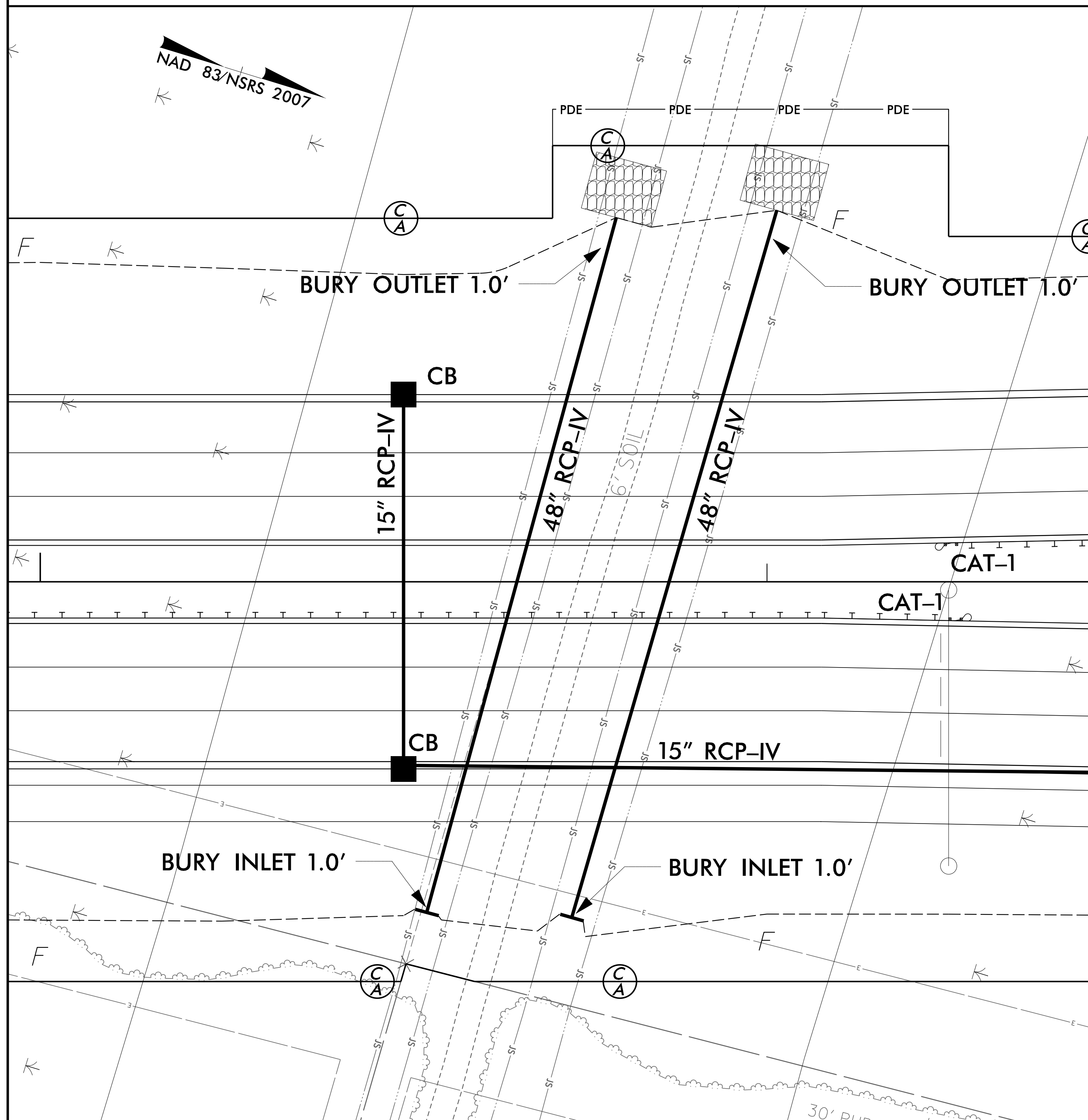
6. EXCAVATE ANY ACCUMULATED SILT AND DEWATER PRIOR TO REMOVAL OF IMPERVIOUS DIKES A.
7. REMOVE IMPERVIOUS DIKES A, B.
8. INSTALL IMPERVIOUS DIKES C, D DIVERTING FLOW THROUGH NORTHERN CULVERT.
9. DEWATER CULVERT CONSTRUCTION AREA AND EXCAVATE ANY ACCUMULATED SILT.
10. CONSTRUCT PROPOSED SOUTHERN CULVERT AND INLET CHANNEL IMPROVEMENTS.



CULVERT CONSTRUCTION SEQUENCE STA. 166 + 50 -L-

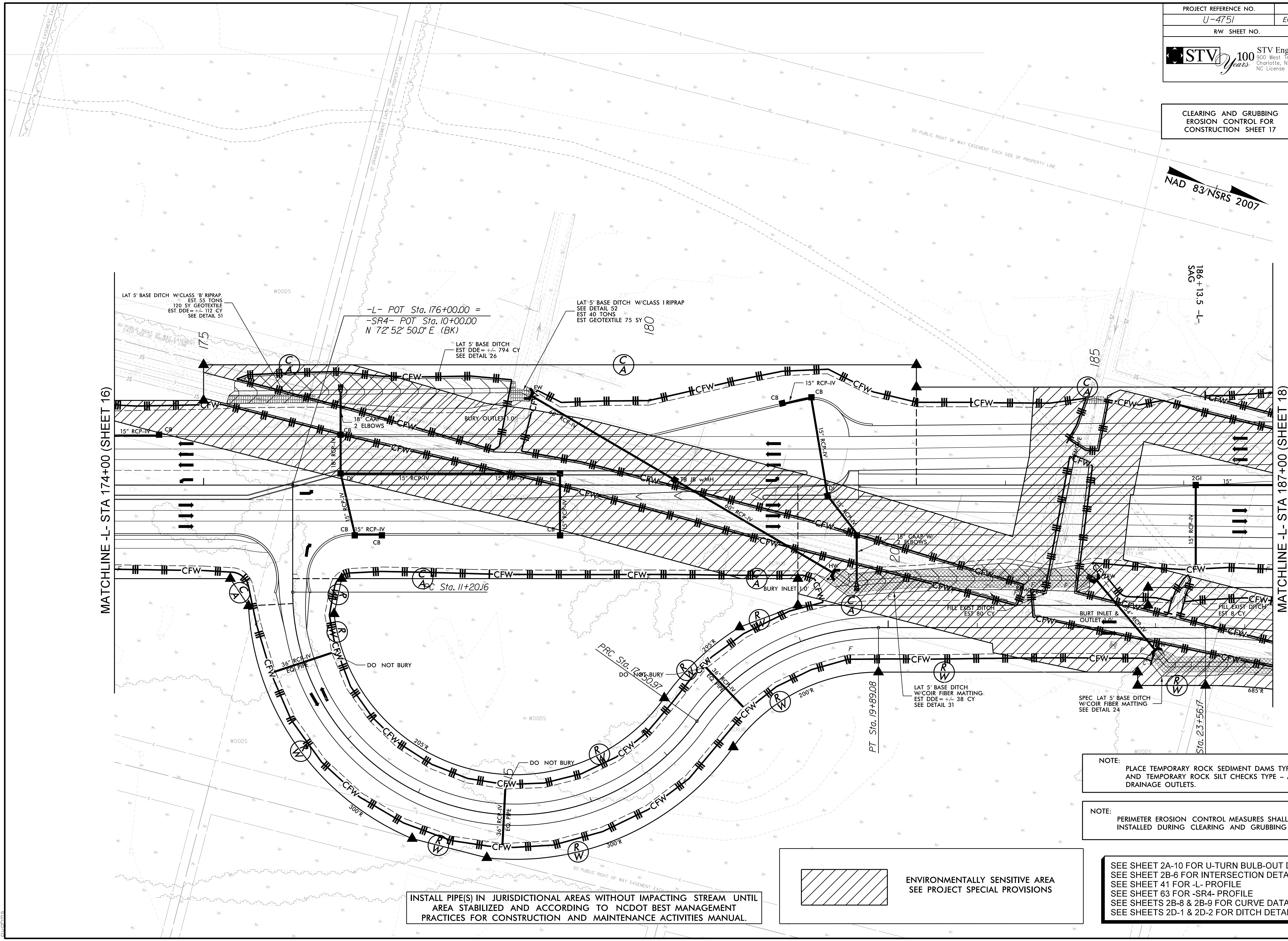
PHASE III

11. EXCAVATE ANY ACCUMULATED SILT AND DEWATER PRIOR TO REMOVAL OF IMPERVIOUS DIKES AND TEMPORARY CHANNEL CHANGES.
12. REMOVE TEMPORARY CHANNEL CHANGES AND IMPERVIOUS DIKES C, D.
13. COMPLETE OUTLET CHANNEL IMPROVEMENTS, REMOVE SPECIAL STILLING BASINS.
14. STABILIZE DISTURBED AREA, THEN COMPLETE ROADWAY.



**CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 17**

NAD 83/NSRS 2007



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.

 ENVIRONMENTALLY SENSITIVE AREA
 SEE PROJECT SPECIAL PROVISIONS

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.

SEE SHEET 2A-10 FOR U-TURN BULB-OUT DETAIL
 SEE SHEET 2B-6 FOR INTERSECTION DETAILS
 SEE SHEET 41 FOR -L- PROFILE
 SEE SHEET 63 FOR -SR4- PROFILE
 SEE SHEETS 2B-8 & 2B-9 FOR CURVE DATA
 SEE SHEETS 2D-1 & 2D-2 FOR DITCH DETAILS

6/2/2017
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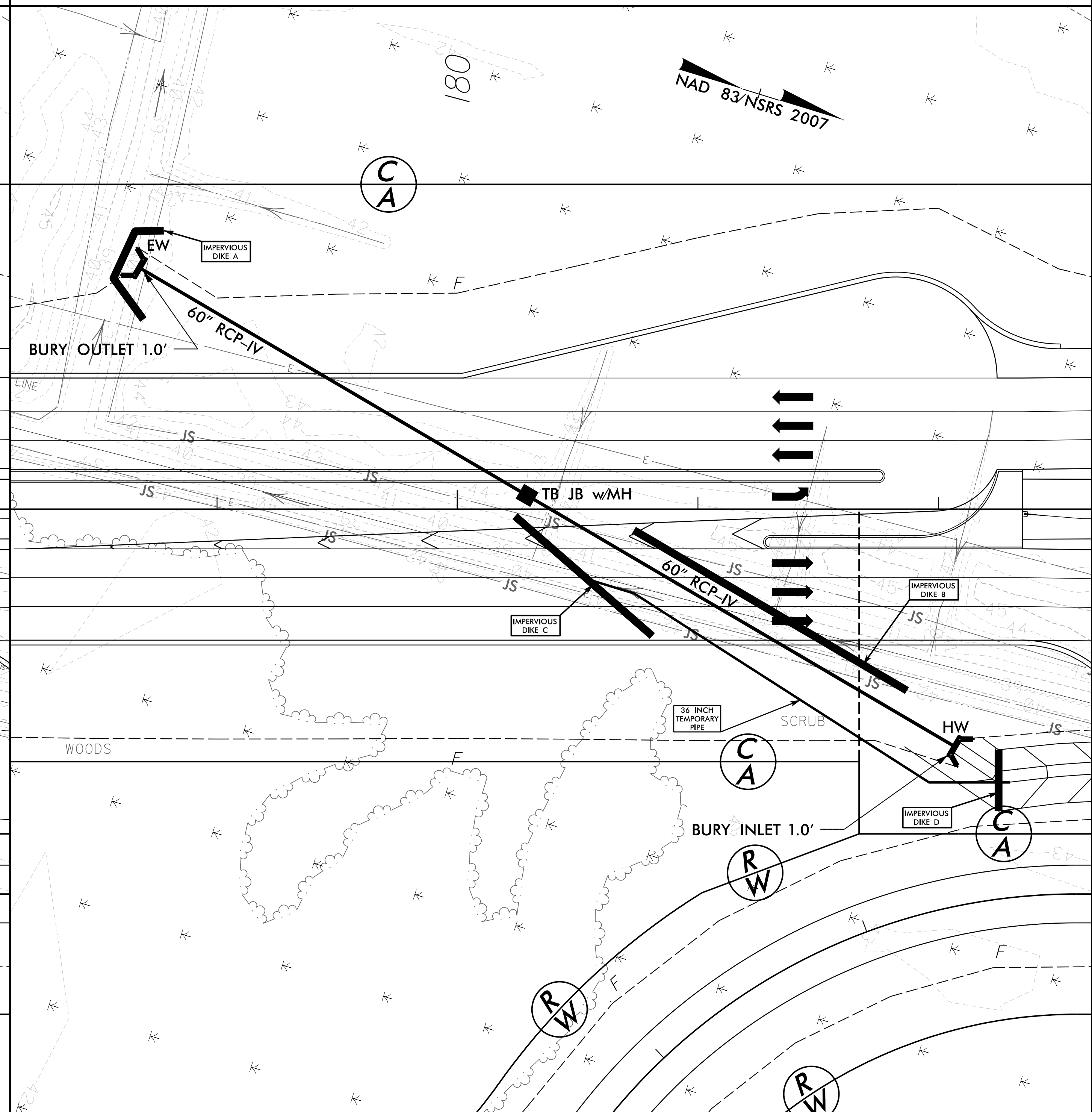
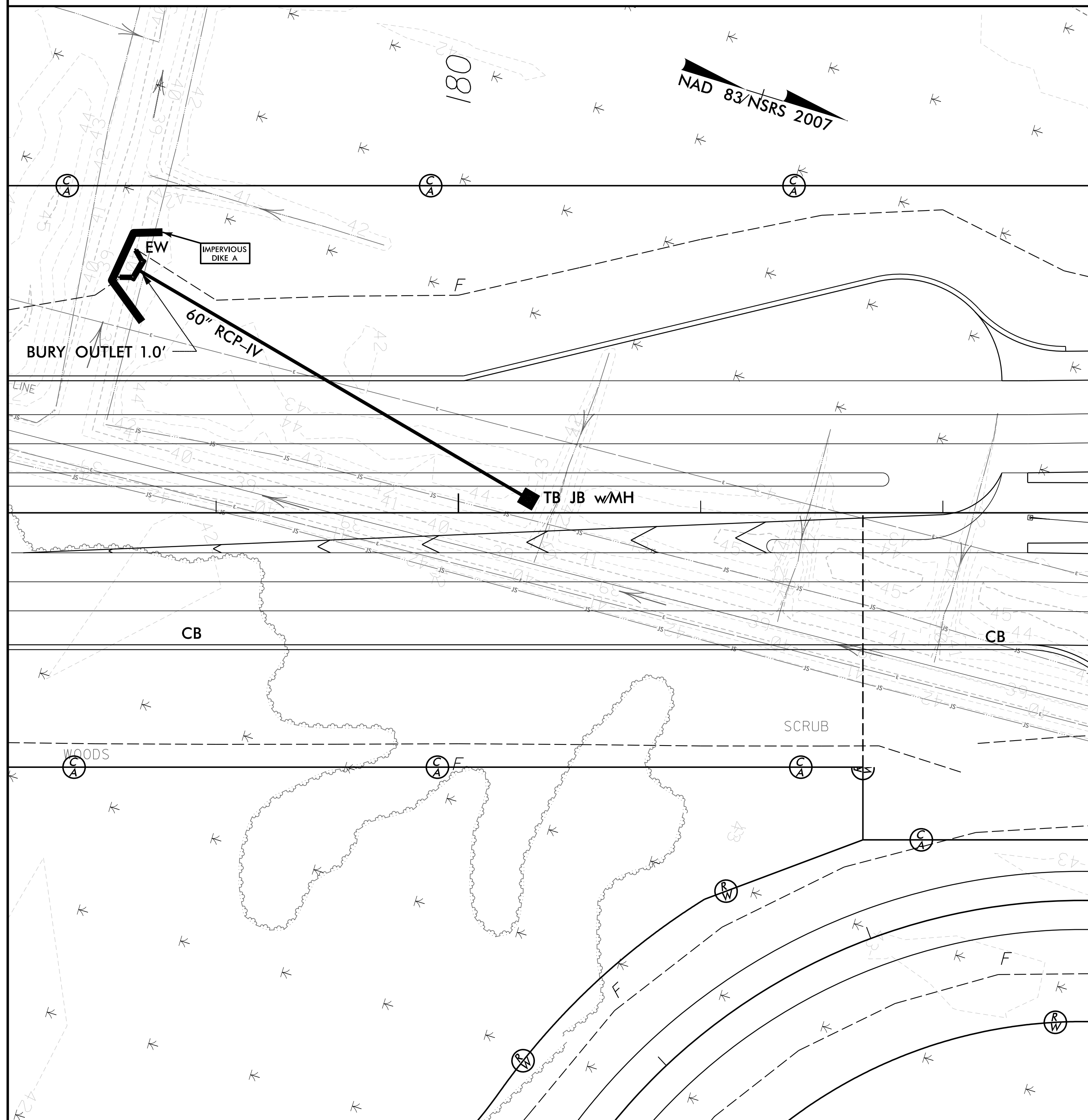
CULVERT CONSTRUCTION SEQUENCE STA. 180 + 39 -L-

PHASE I

1. INSTALL SPECIAL STILLING BASIN AS DIRECTED.
2. INSTALL IMPERVIOUS DIKE A.
3. DEWATER CULVERT CONSTRUCTION AREA AND EXCAVATE ANY ACCUMULATED SILT.
4. CONSTRUCT PROPOSED CULVERT AND INLET/OUTLET CHANNEL IMPROVEMENTS TO JUNCTION BOX.

PHASE II

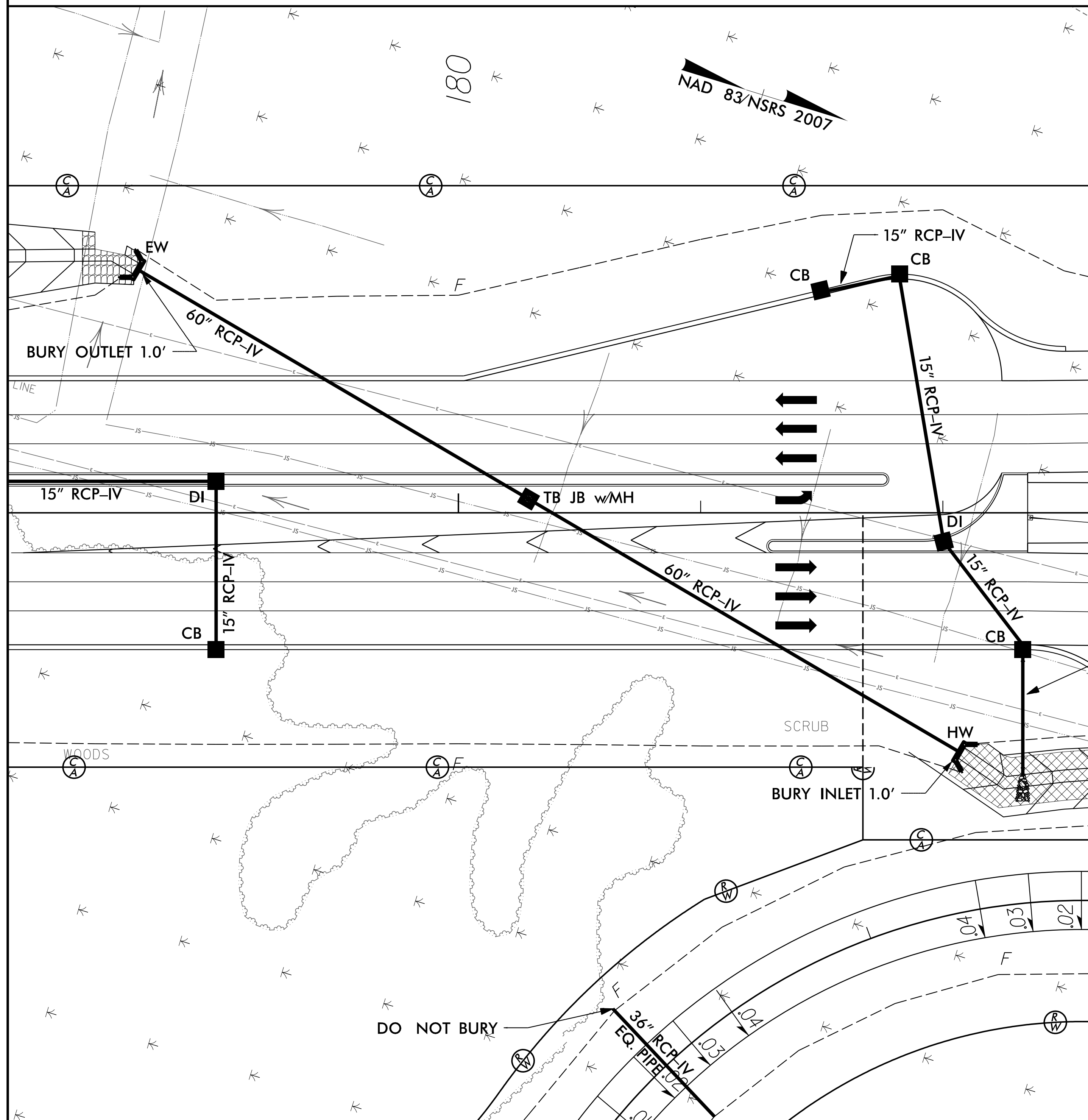
5. CONSTRUCT LATERAL BASE DITCH (DETAIL 31).
6. INSTALL 36" TEMPORARY PIPE AND IMPERVIOUS DIKES B-D TO ANCHOR PIPE AND DIVERT FLOW TO BASE DITCH.
7. DEWATER CULVERT CONSTRUCTION AREA AND EXCAVATE ANY ACCUMULATED SILT.
8. CONSTRUCT PROPOSED CULVERT AND INLET CHANNEL IMPROVEMENTS.



CULVERT CONSTRUCTION SEQUENCE STA. 180 + 39 -L-

PHASE III

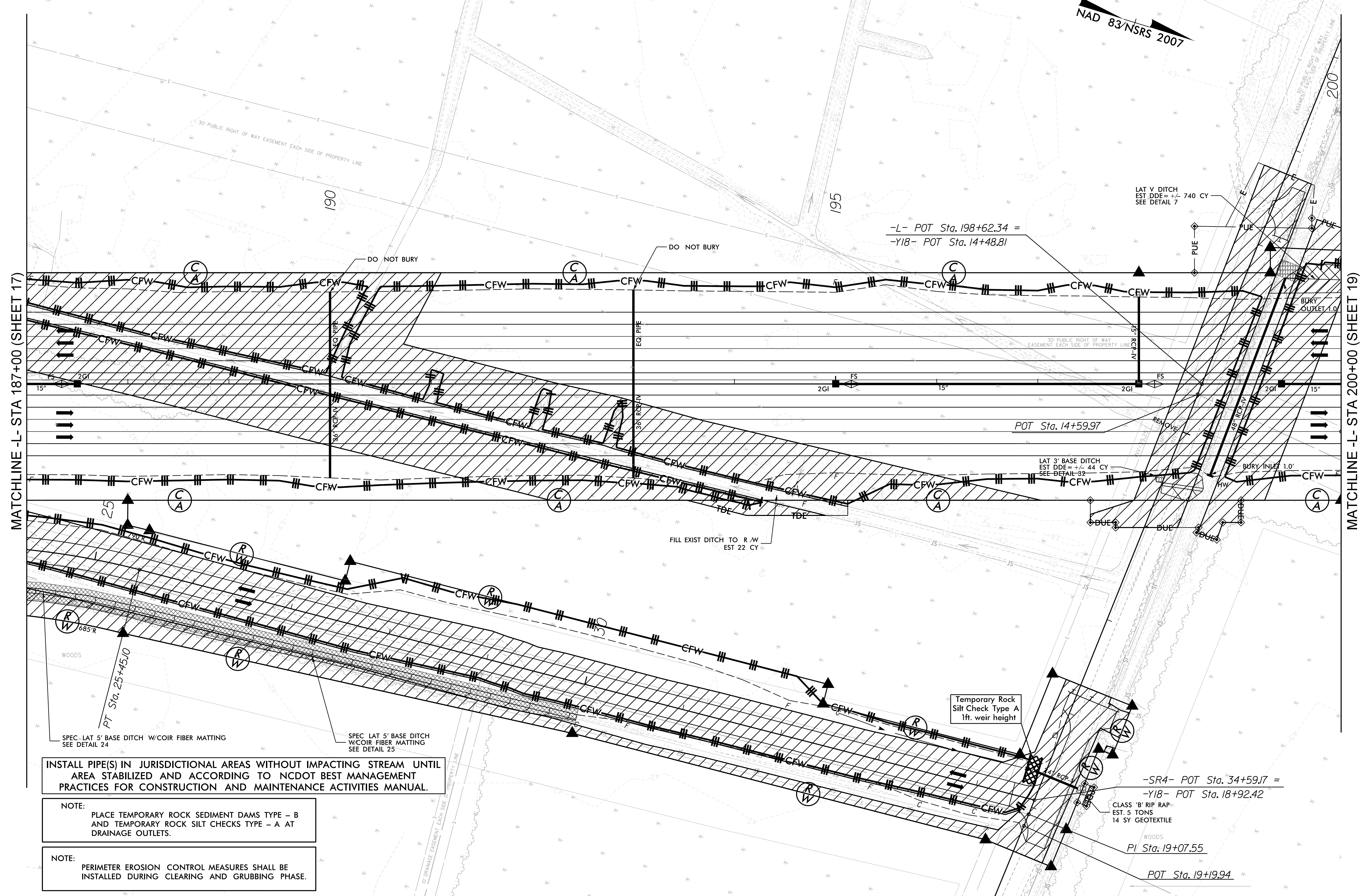
- 9 EXCAVATE ANY ACCUMULATED SILT AND DEWATER PRIOR TO REMOVAL OF IMPERVIOUS DIKES AND TEMPORARY PIPE.
- 10 REMOVE TEMPORARY PIPE AND IMPERVIOUS DIKES, DIVERTING FLOW THROUGH PROPOSED CULVERT.
- 11 CONSTRUCT OUTLET CHANNEL IMPROVEMENTS.
- 12 REMOVE SPECIAL STILLING BASIN, STABILIZE DISTURBED AREA, AND COMPLETE ROADWAY.



SEE SHEET 2A-10 FOR TURNAROUND DETAILS
 SEE SHEET 42 FOR -L- PROFILE
 SEE SHEET 62 FOR -Y18- PROFILE
 SEE SHEET 63 FOR -SR4- PROFILE
 SEE SHEETS 2B-8 & 2B-9 FOR CURVE DATA
 SEE SHEETS 2D-1 & 2D-2 FOR DITCH DETAILS

 ENVIRONMENTALLY SENSITIVE AREA
 SEE PROJECT SPECIAL PROVISIONS

CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 18



MATCHLINE -L- STA 187+00 (SHEET 17)

MATCHLINE -L- STA 200+00 (SHEET 19)

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.

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.

SPEC. LAT 5' BASE DITCH W/COIR FIBER MATTING SEE DETAIL 24

SPEC. LAT 5' BASE DITCH W/COIR FIBER MATTING SEE DETAIL 25

Temporary Rock Silt Check Type A
 1ft. weir height

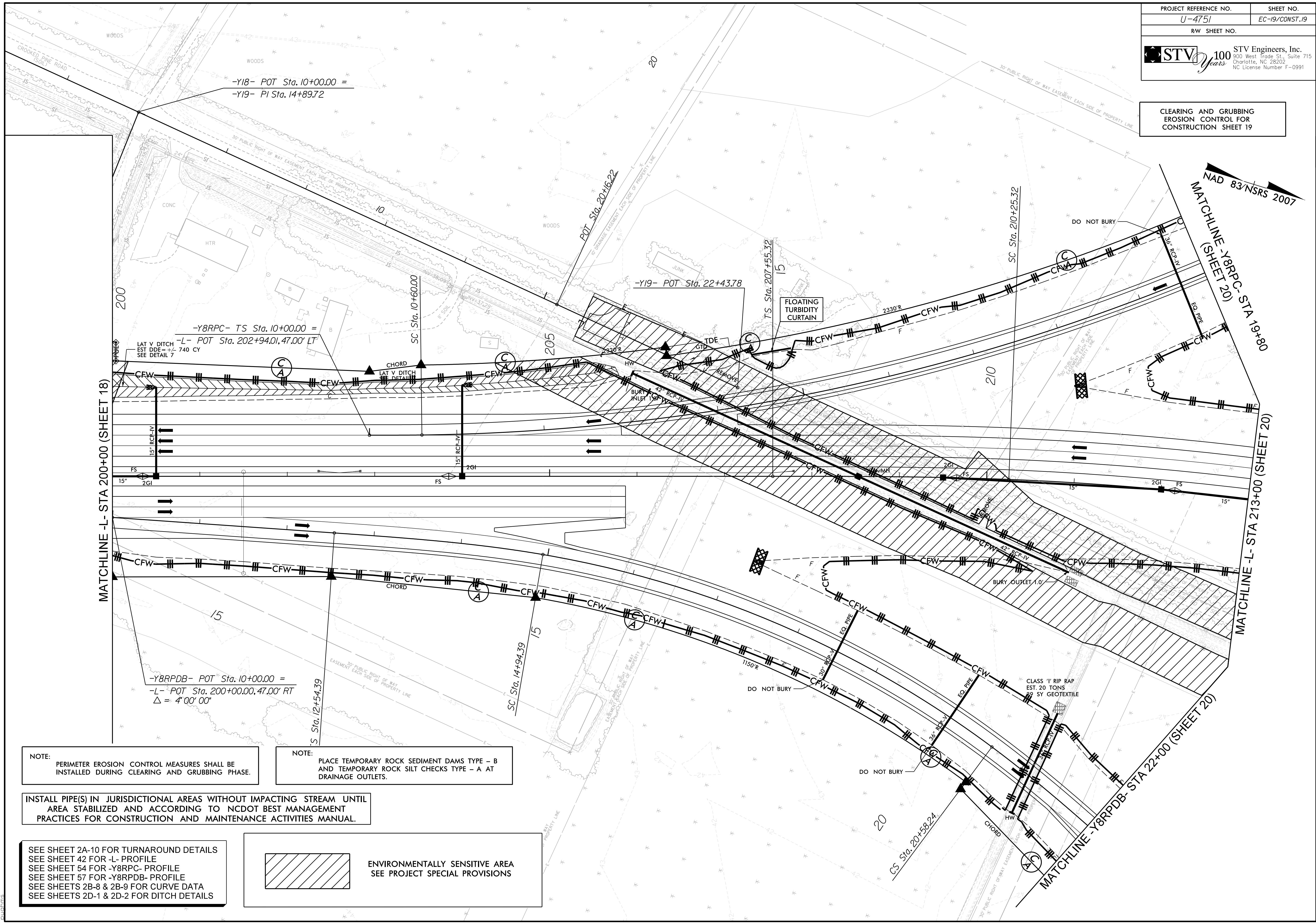
-SR4- POT Sta. 34+59.7 =
 -Y18- POT Sta. 18+92.42
 CLASS 'B' RIP RAP
 EST. 5 TONS
 14 SY GEOTEXTILE

Pi Sta. 19+07.55

POT Sta. 19+19.94

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CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 19



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

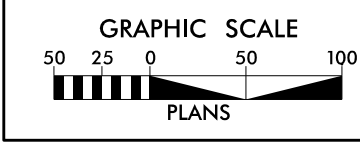
NOTE:
 PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
 AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
 DRAINAGE OUTLETS.

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.

SEE SHEET 2A-10 FOR TURNAROUND DETAILS
 SEE SHEET 42 FOR -L- PROFILE
 SEE SHEET 54 FOR -Y8RPC- PROFILE
 SEE SHEET 57 FOR -Y8RPDB- PROFILE
 SEE SHEETS 2B-8 & 2B-9 FOR CURVE DATA
 SEE SHEETS 2D-1 & 2D-2 FOR DITCH DETAILS

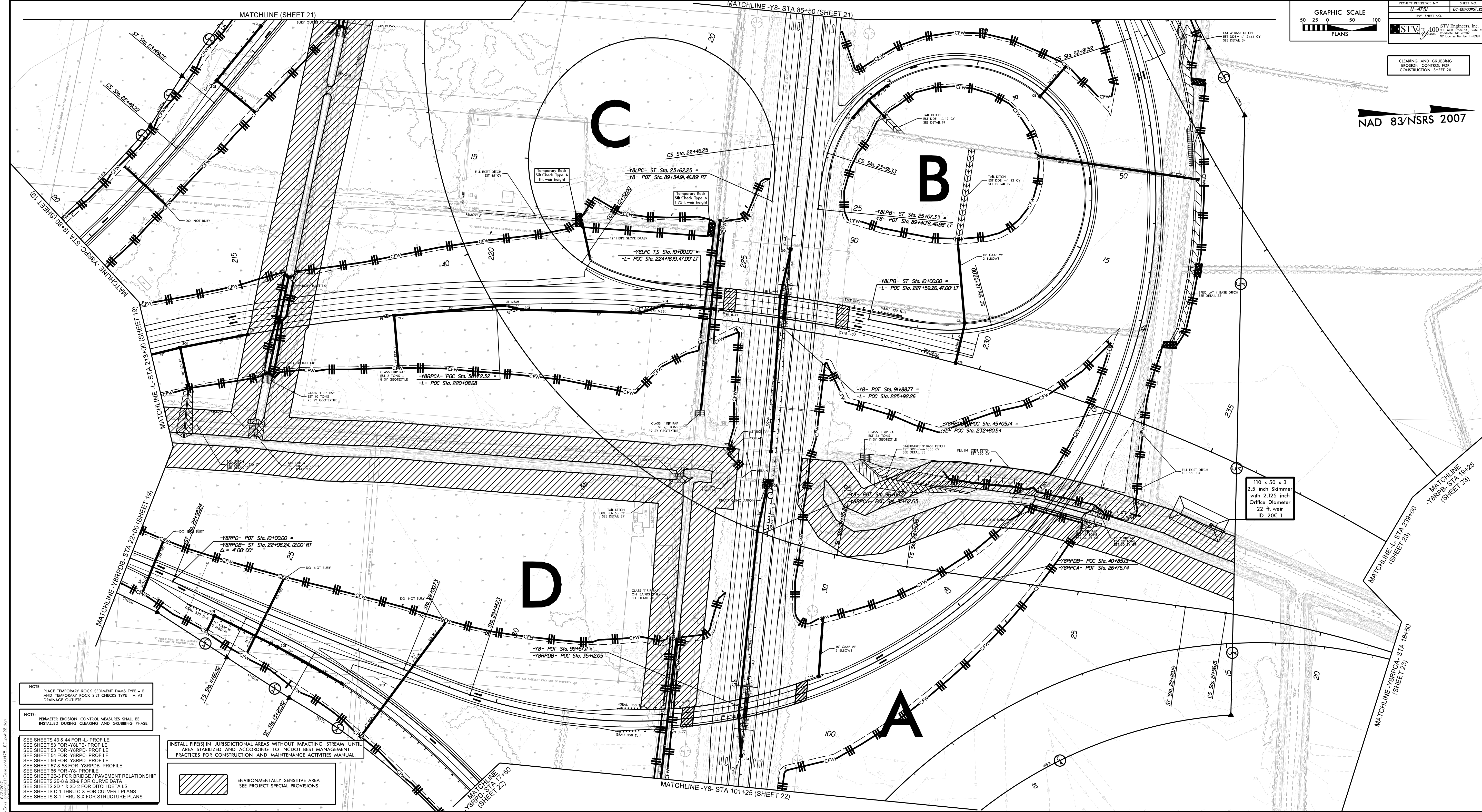

ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

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CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 20

NAD 83/NSRS 2007



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.

SEE SHEETS 43 & 44 FOR 4'- PROFILE
 SEE SHEET 53 FOR -YBLPB- PROFILE
 SEE SHEET 54 FOR -YBRPD- PROFILE
 SEE SHEET 54 FOR -YBRPC- PROFILE
 SEE SHEET 56 FOR -YBRPD- PROFILE
 SEE SHEET 57 & 58 FOR -YBRPB- PROFILE
 SEE SHEET 66 FOR -YB- PROFILE
 SEE SHEET 25.3 FOR BRIDGE/ PAVEMENT RELATIONSHIP
 SEE SHEETS 28-5 & 28-9 FOR CURVE DATA
 SEE SHEETS 20-1 & 20-2 FOR DITCH DETAILS
 SEE SHEETS C-1 THRU C-X FOR CULVERT PLANS
 SEE SHEETS S-1 THRU S-X FOR STRUCTURE PLANS

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.

ENVIRONMENTALLY SENSITIVE AREA
 SEE PROJECT SPECIAL PROVISIONS

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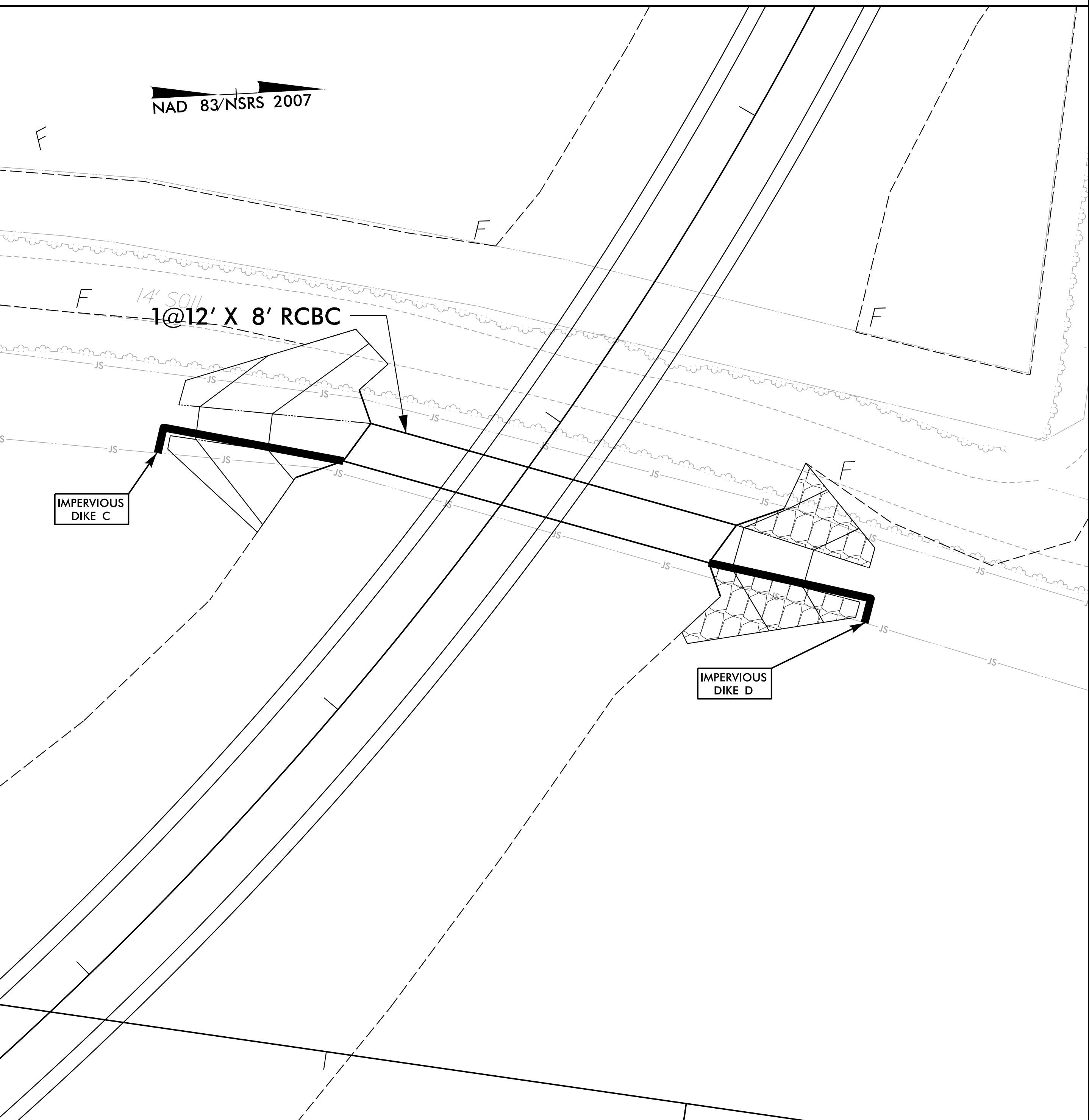
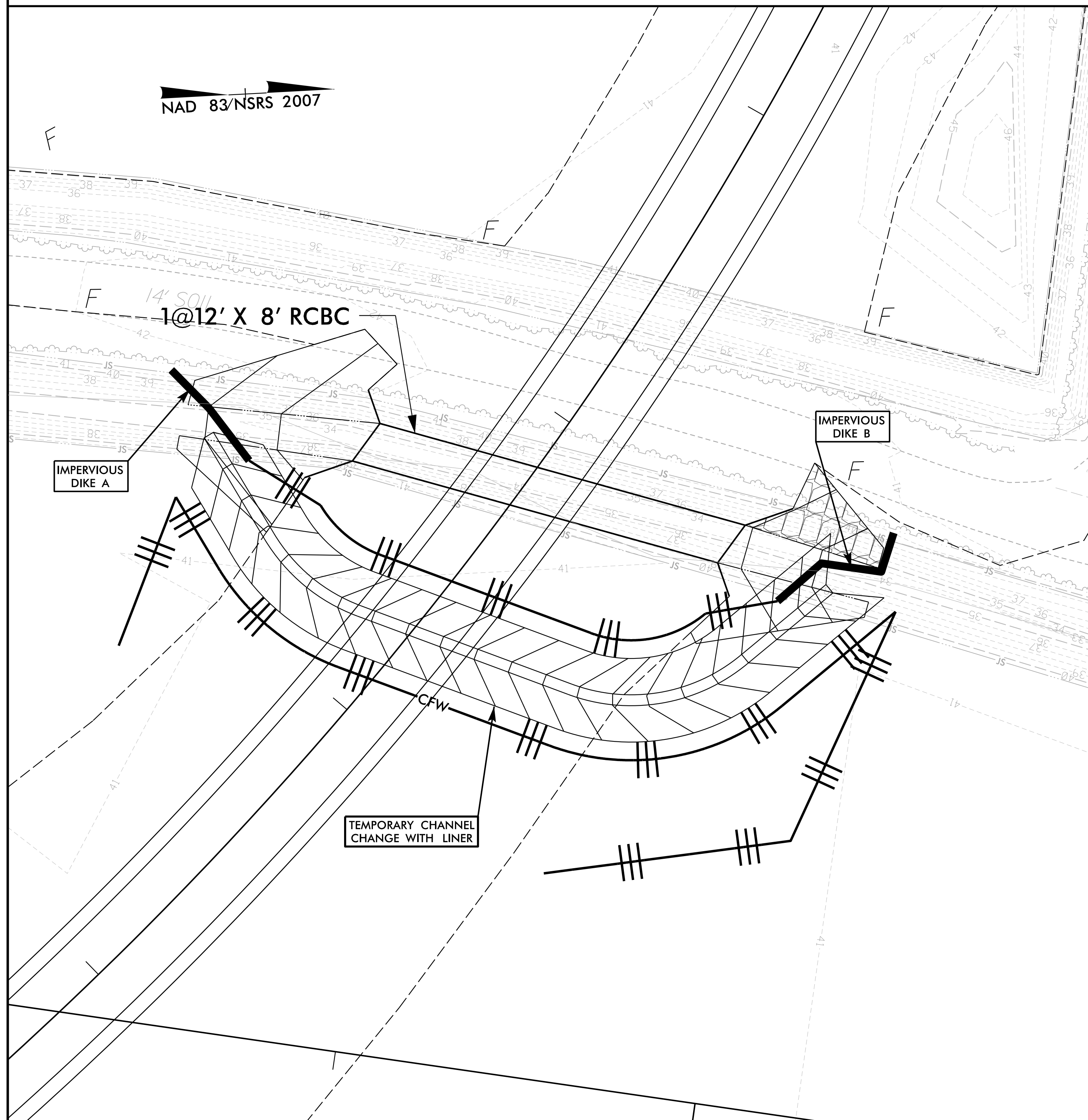
CULVERT CONSTRUCTION SEQUENCE STA. 42+78 -Y8RPDB-

PHASE I

1. INSTALL SPECIAL STILLING BASIN AS DIRECTED.
2. CONSTRUCT TEMPORARY CHANNEL CHANGE WITH LINER (3 FT. BASE, 5 FEET DEEP, 3:1 SIDE SLOPES).
3. INSTALL IMPERVIOUS DIKES A, B DIVERTING FLOW THROUGH TEMPORARY CHANNEL CHANGE.
4. INSTALL SILT FENCE PROTECTING TEMPORARY CHANNEL CHANGE.
5. DEWATER CULVERT CONSTRUCTION AREA AND EXCAVATE ANY ACCUMULATED SILT.
6. CONSTRUCT PROPOSED CULVERT AND EASTERN INLET/OUTLET CHANNEL IMPROVEMENTS.

PHASE II

7. EXCAVATE ANY ACCUMULATED SILT AND DEWATER PRIOR TO REMOVAL OF IMPERVIOUS DIKES AND TEMPORARY CHANNEL CHANGE.
8. REMOVE IMPERVIOUS DIKES A, B, TEMPORARY CHANNEL CHANGE, AND SILT FENCE, DIVERTING FLOW THROUGH PROPOSED CULVERT.
9. CONSTRUCT IMPERVIOUS DIKES C, D, CONSTRUCT WESTERN INLET/OUTLET CHANNEL IMPROVEMENTS.
10. REMOVE IMPERVIOUS DIKES C, D, SPECIAL STILLING BASINS, STABILIZE DISTURBED AREA, AND COMPLETE ROADWAY.



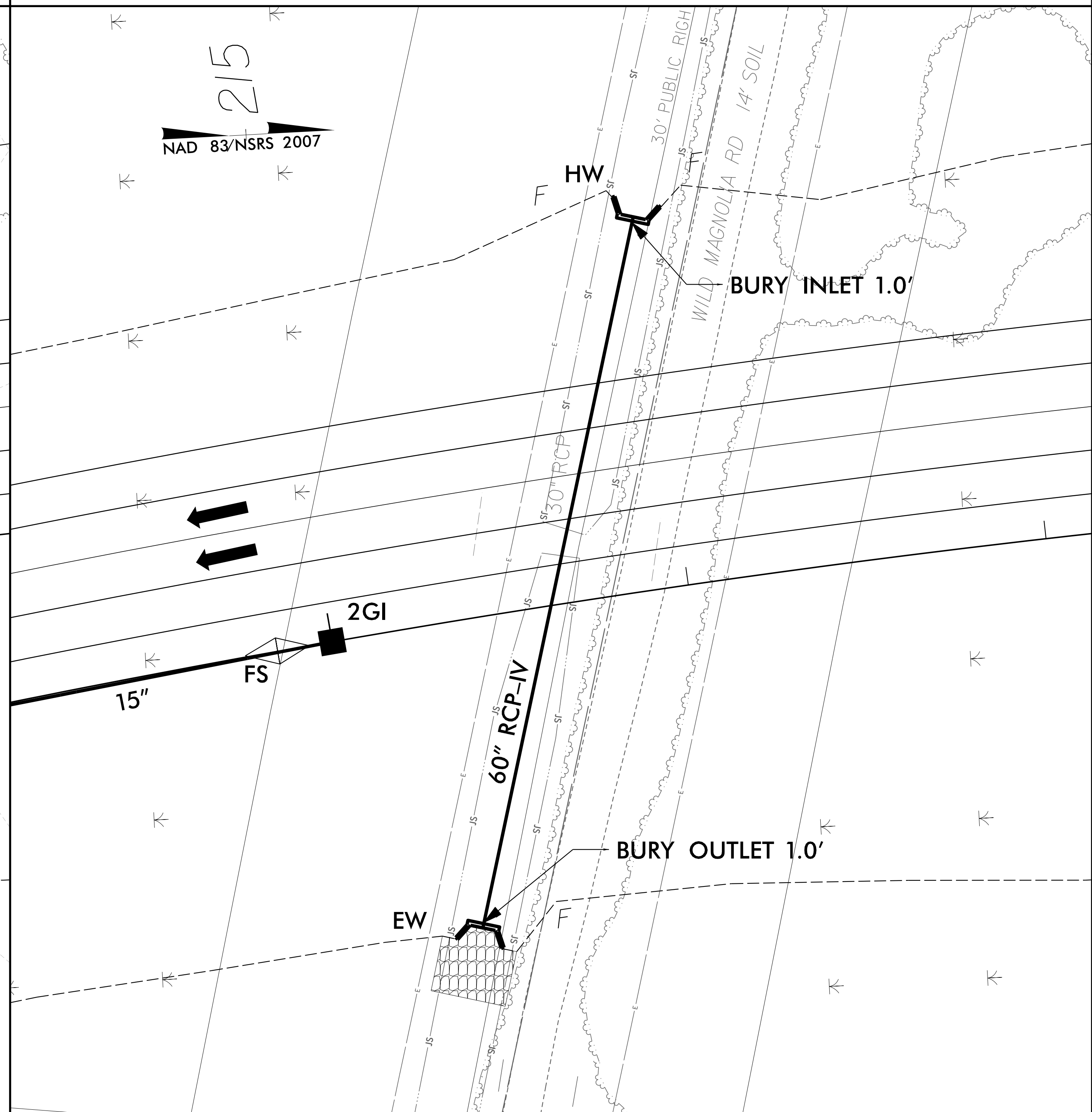
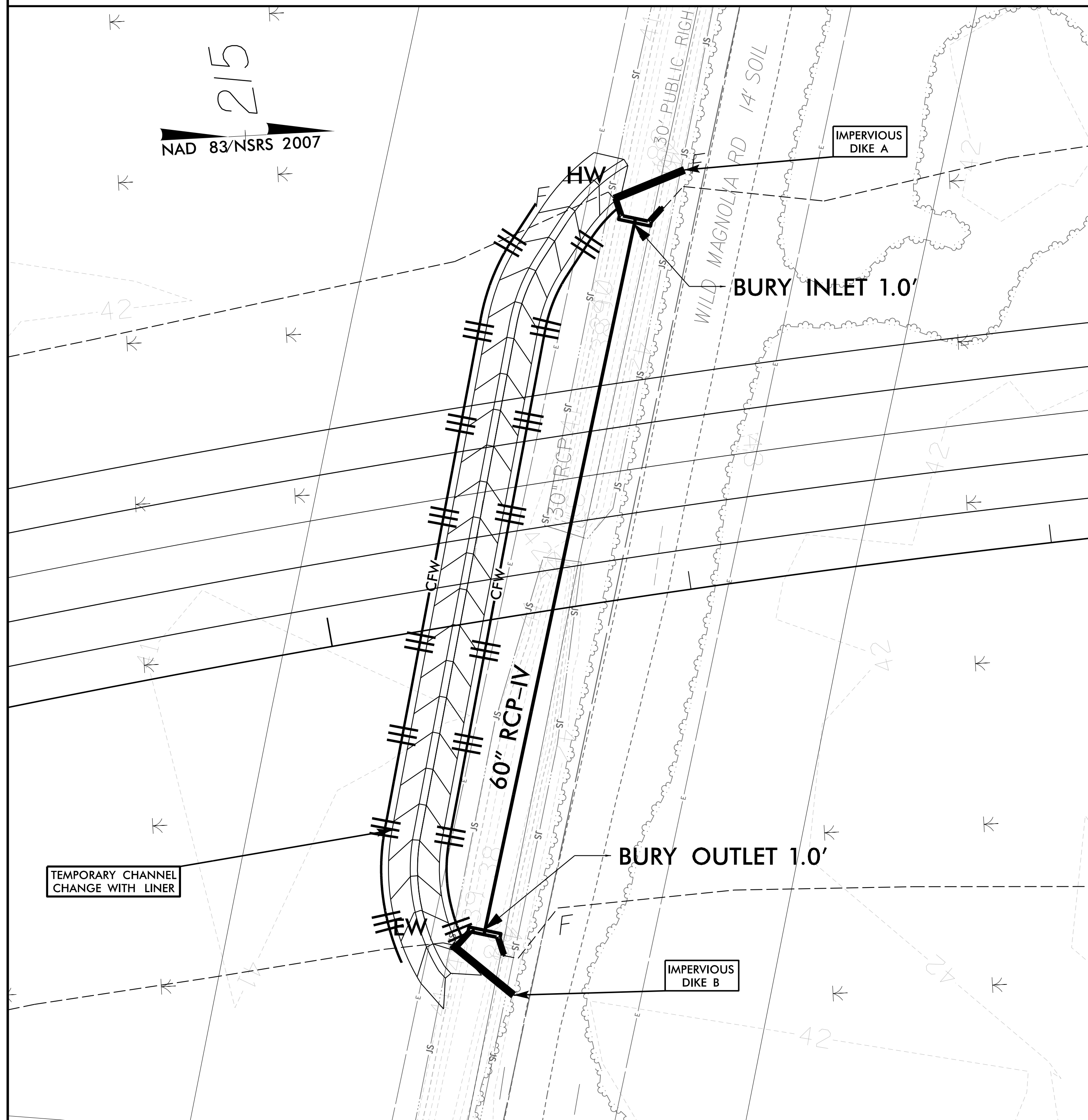
CULVERT CONSTRUCTION SEQUENCE STA. 215 + 62 -L-

PHASE I

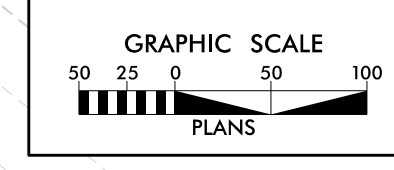
1. INSTALL SPECIAL STILLING BASIN AS DIRECTED.
2. CONSTRUCT TEMPORARY CHANNEL CHANGE WITH LINER (2 FT. BASE, 2 FEET DEEP, 3:1 SIDE SLOPES).
3. INSTALL IMPERVIOUS DIKES, DIVERTING FLOW THROUGH TEMPORARY CHANNEL CHANGE.
4. INSTALL SILT FENCE PROTECTING TEMPORARY CHANNEL CHANGE.
5. DEWATER CULVERT CONSTRUCTION AREA AND EXCAVATE ANY ACCUMULATED SILT.
6. CONSTRUCT PROPOSED CULVERT AND INLET/OUTLET CHANNEL IMPROVEMENTS.

PHASE II

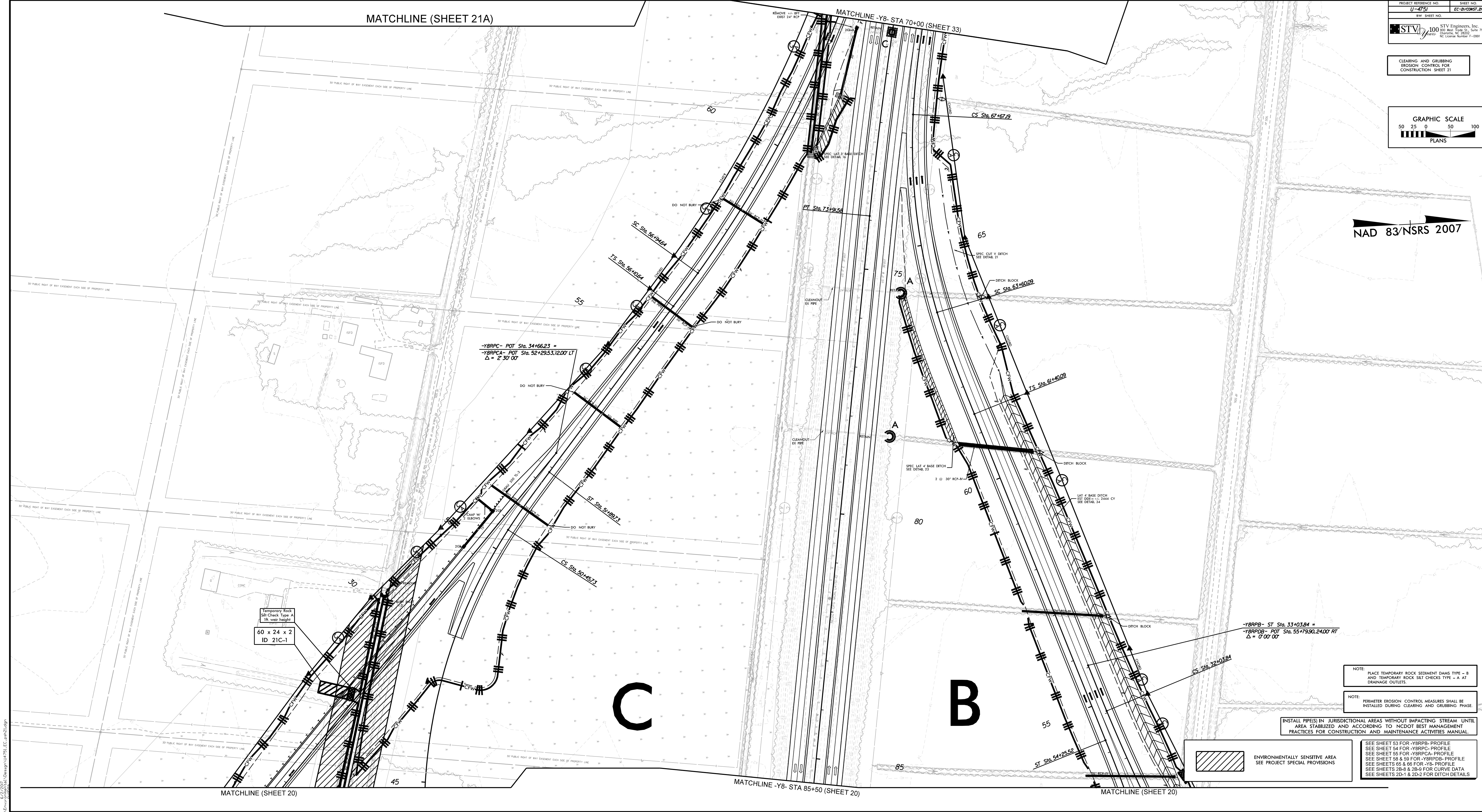
7. EXCAVATE ANY ACCUMULATED SILT AND DEWATER PRIOR TO REMOVAL OF IMPERVIOUS DIKES AND TEMPORARY CHANNEL CHANGE.
8. REMOVE IMPERVIOUS DIKES, TEMPORARY CHANNEL CHANGE, AND SILT FENCE, DIVERTING FLOW THROUGH PROPOSED CULVERT.
9. REMOVE STILLING BASIN, STABILIZE DISTURBED AREA, AND COMPLETE ROADWAY.



CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 21



NAD 83/NSRS 2007



Temporary Rock
 Silt Check Type A
 60 x 24 x 2
 ID 21C-1

ENVIRONMENTALLY SENSITIVE AREA
 SEE PROJECT SPECIAL PROVISIONS

SEE SHEET 53 FOR -YBRPB- PROFILE
 SEE SHEET 54 FOR -YBRPC- PROFILE
 SEE SHEET 55 FOR -YBRPCA- PROFILE
 SEE SHEET 56 & 59 FOR -YBRPDB- PROFILE
 SEE SHEETS 65 & 66 FOR -Y8- PROFILE
 SEE SHEETS 28-8 & 28-9 FOR CURVE DATA
 SEE SHEETS 20-1 & 20-2 FOR DITCH DETAILS

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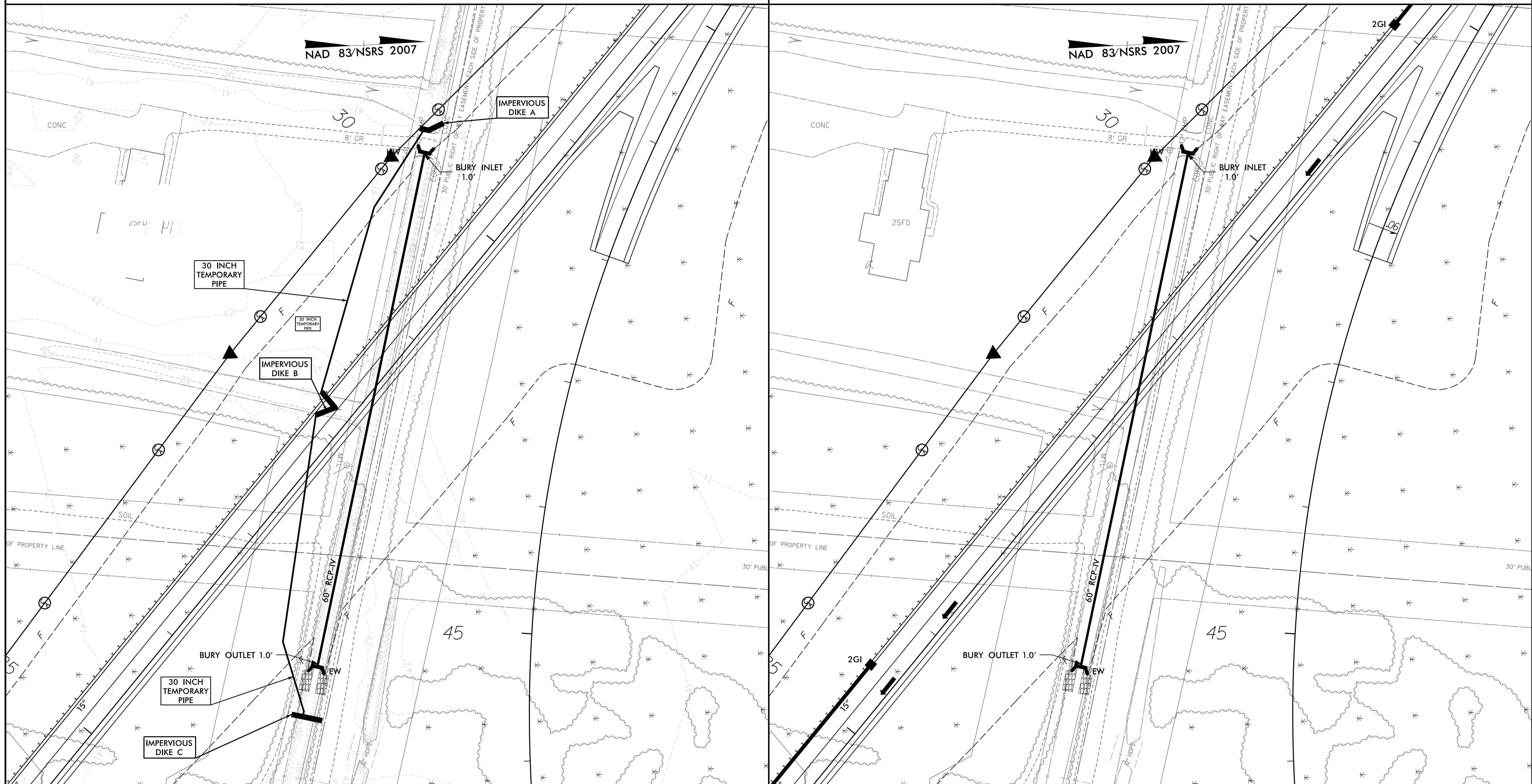
CULVERT CONSTRUCTION SEQUENCE STA. 28+53 -Y8RPC-

PHASE I

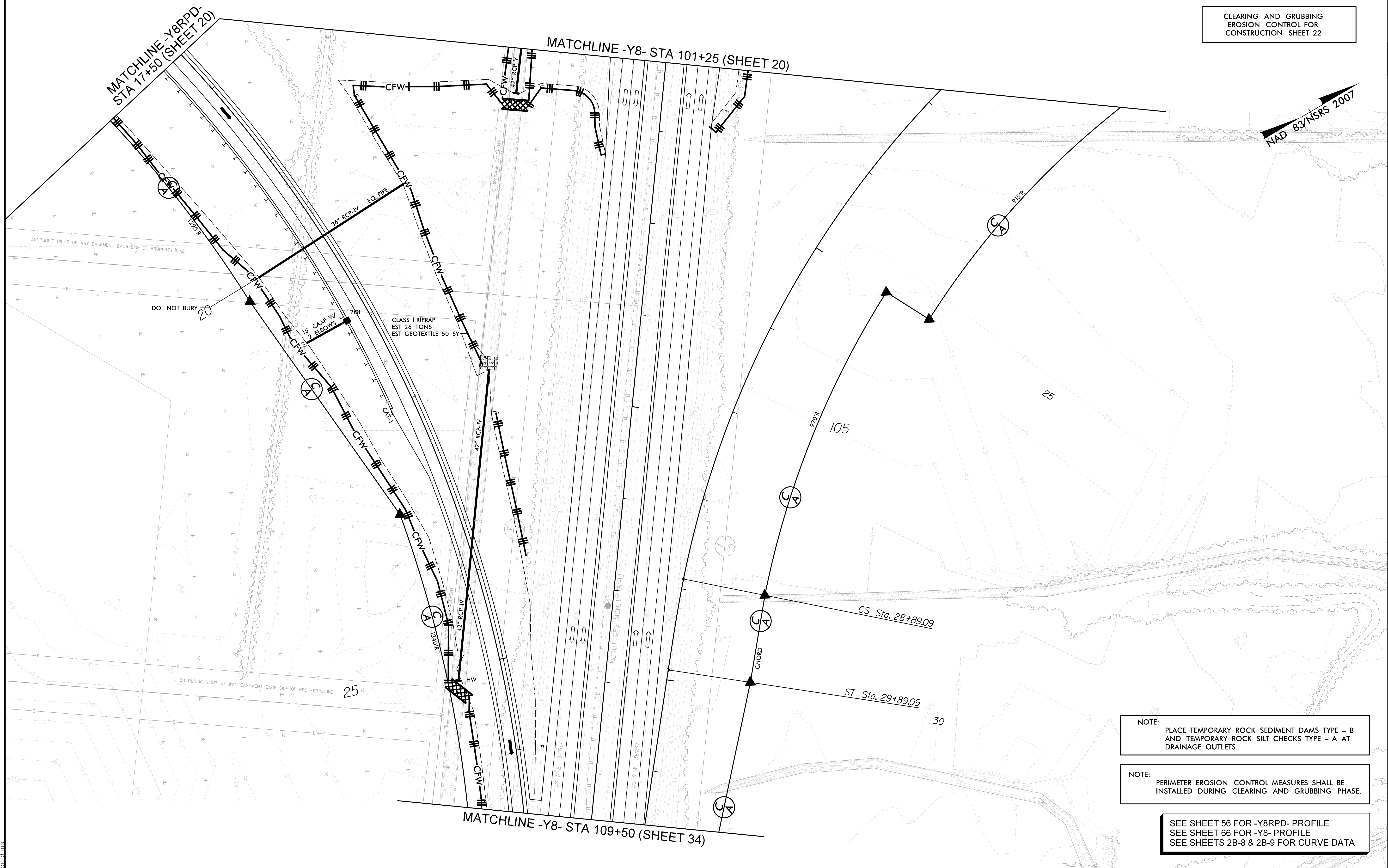
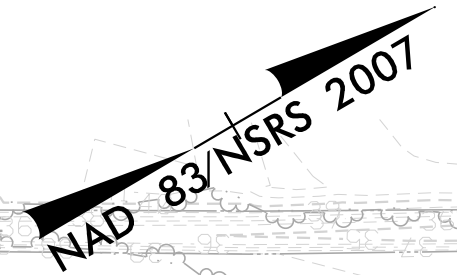
1. INSTALL SPECIAL STILLING BASIN AS DIRECTED.
2. INSTALL 30" TEMPORARY PIPE AND IMPERVIOUS DIKES TO ANCHOR PIPE AND DIVERT FLOW.
3. DEWATER CONSTRUCTION AREA AND EXCAVATE ANY ACCUMULATED SILT.
4. CONSTRUCT PROPOSED CULVERT AND INLET/OUTLET CHANNEL IMPROVEMENTS.

PHASE II

5. EXCAVATE ANY ACCUMULATED SILT AND DEWATER BEFORE REMOVAL OF IMPERVIOUS DIKES AND TEMPORARY PIPE.
6. REMOVE TEMPORARY PIPES AND IMPERVIOUS DIKES DIVERTING FLOW THROUGH PROPOSED CULVERT.
7. REMOVE SPECIAL STILLING BASIN, STABILIZE DISTURBED AREA, AND COMPLETE ROADWAY.



CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 22



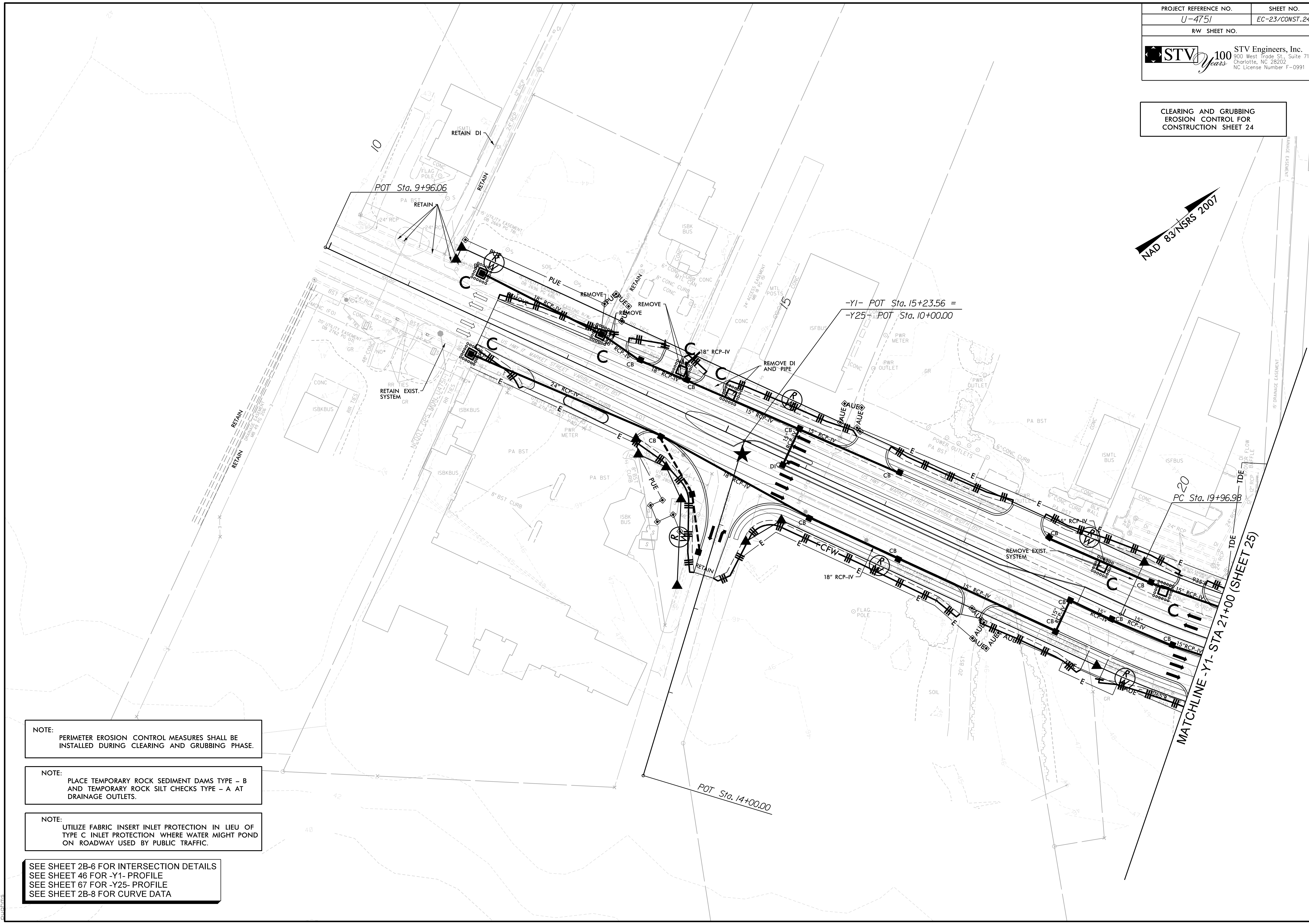
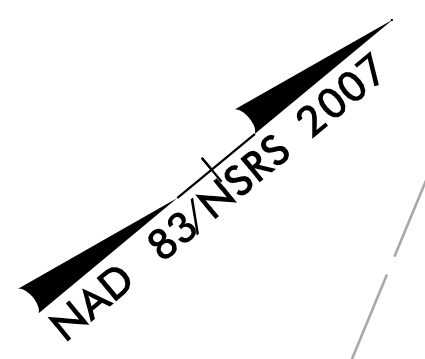
NOTE:
 PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
 AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
 DRAINAGE OUTLETS.

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

SEE SHEET 56 FOR -Y8RPD- PROFILE
 SEE SHEET 66 FOR -Y8- PROFILE
 SEE SHEETS 2B-8 & 2B-9 FOR CURVE DATA

6/2/2017
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**CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 24**



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

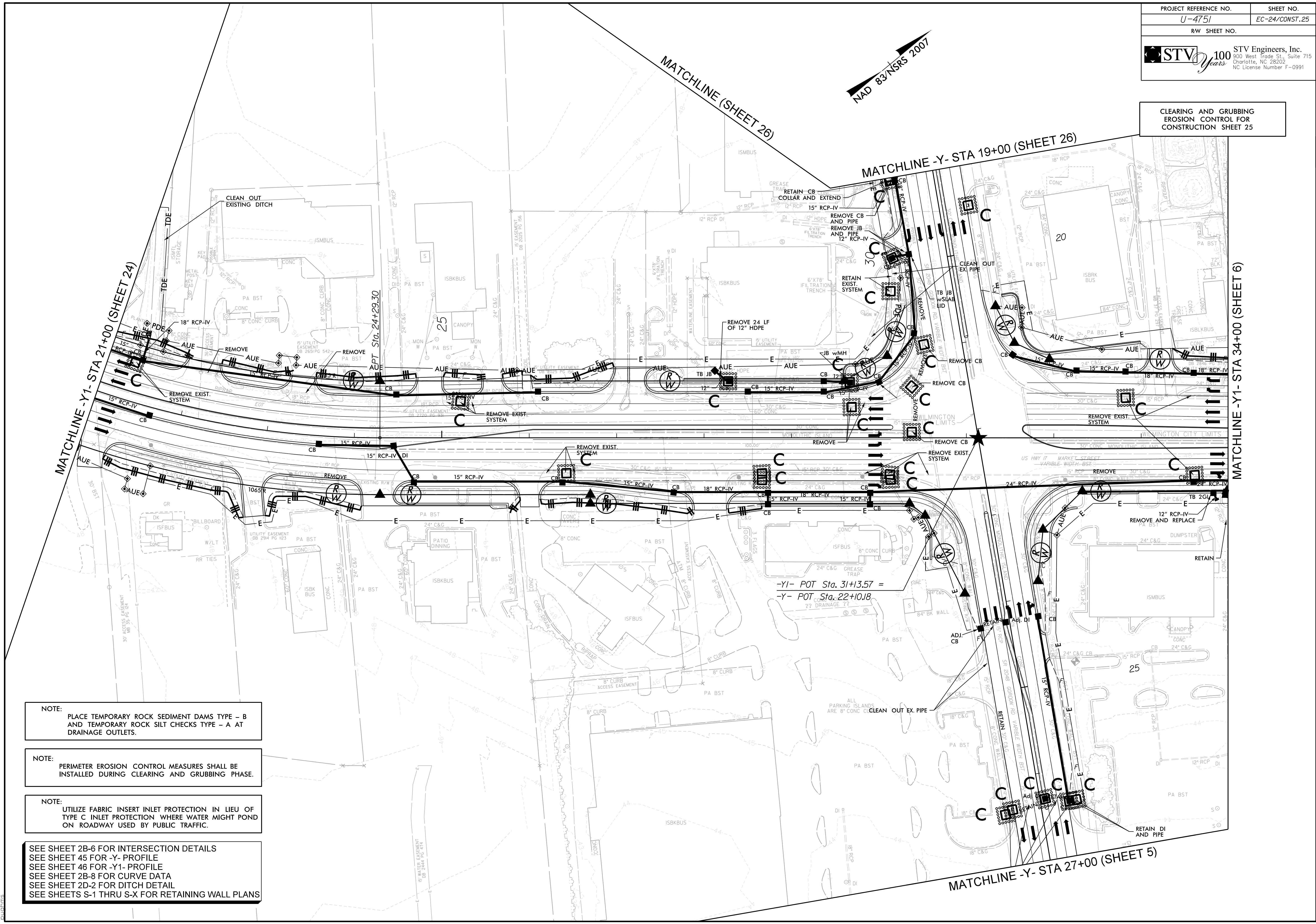
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF TYPE C INLET PROTECTION WHERE WATER MIGHT POND ON ROADWAY USED BY PUBLIC TRAFFIC.

SEE SHEET 2B-6 FOR INTERSECTION DETAILS
SEE SHEET 46 FOR -Y1- PROFILE
SEE SHEET 67 FOR -Y25- PROFILE
SEE SHEET 2B-8 FOR CURVE DATA

6/2/2017
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**CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 25**



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.

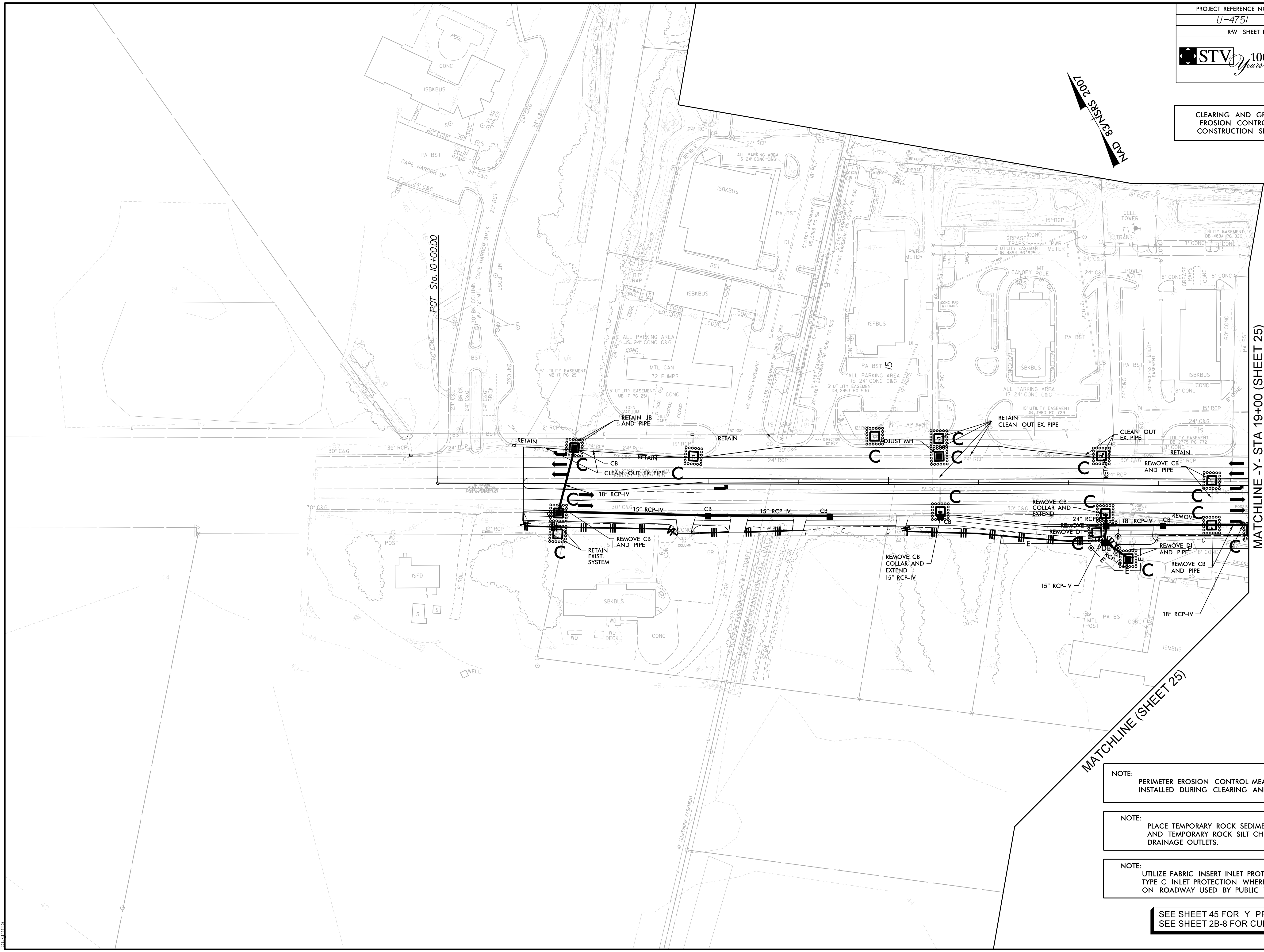
NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF
TYPE C INLET PROTECTION WHERE WATER MIGHT POND
ON ROADWAY USED BY PUBLIC TRAFFIC.

SEE SHEET 2B-6 FOR INTERSECTION DETAILS
SEE SHEET 45 FOR -Y- PROFILE
SEE SHEET 46 FOR -Y1- PROFILE
SEE SHEET 2B-8 FOR CURVE DATA
SEE SHEET 2D-2 FOR DITCH DETAIL
SEE SHEETS S-1 THRU S-X FOR RETAINING WALL PLANS

6/2/2017
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**CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 26**

NOV 28 2007



- 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 IN LIEU OF TYPE C INLET PROTECTION WHERE WATER MIGHT POND ON ROADWAY USED BY PUBLIC TRAFFIC.

**SEE SHEET 45 FOR -Y- PROFILE
SEE SHEET 2B-8 FOR CURVE DATA**

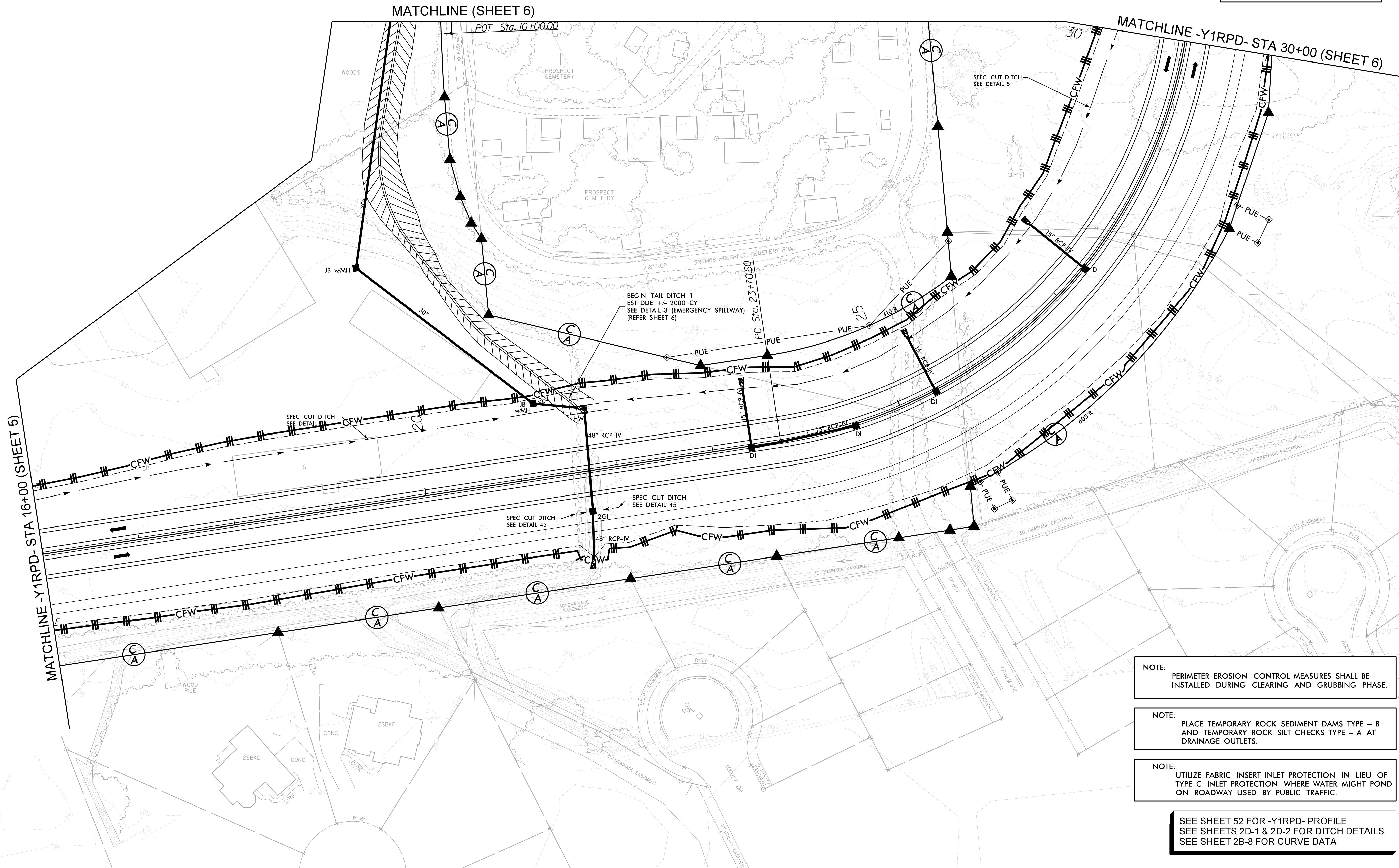
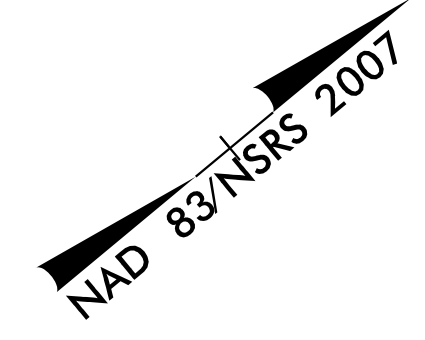
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MATCHLINE -Y- STA 19+00 (SHEET 25)

MATCHLINE (SHEET 25)

POT Sta. 10+00.00

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 27



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

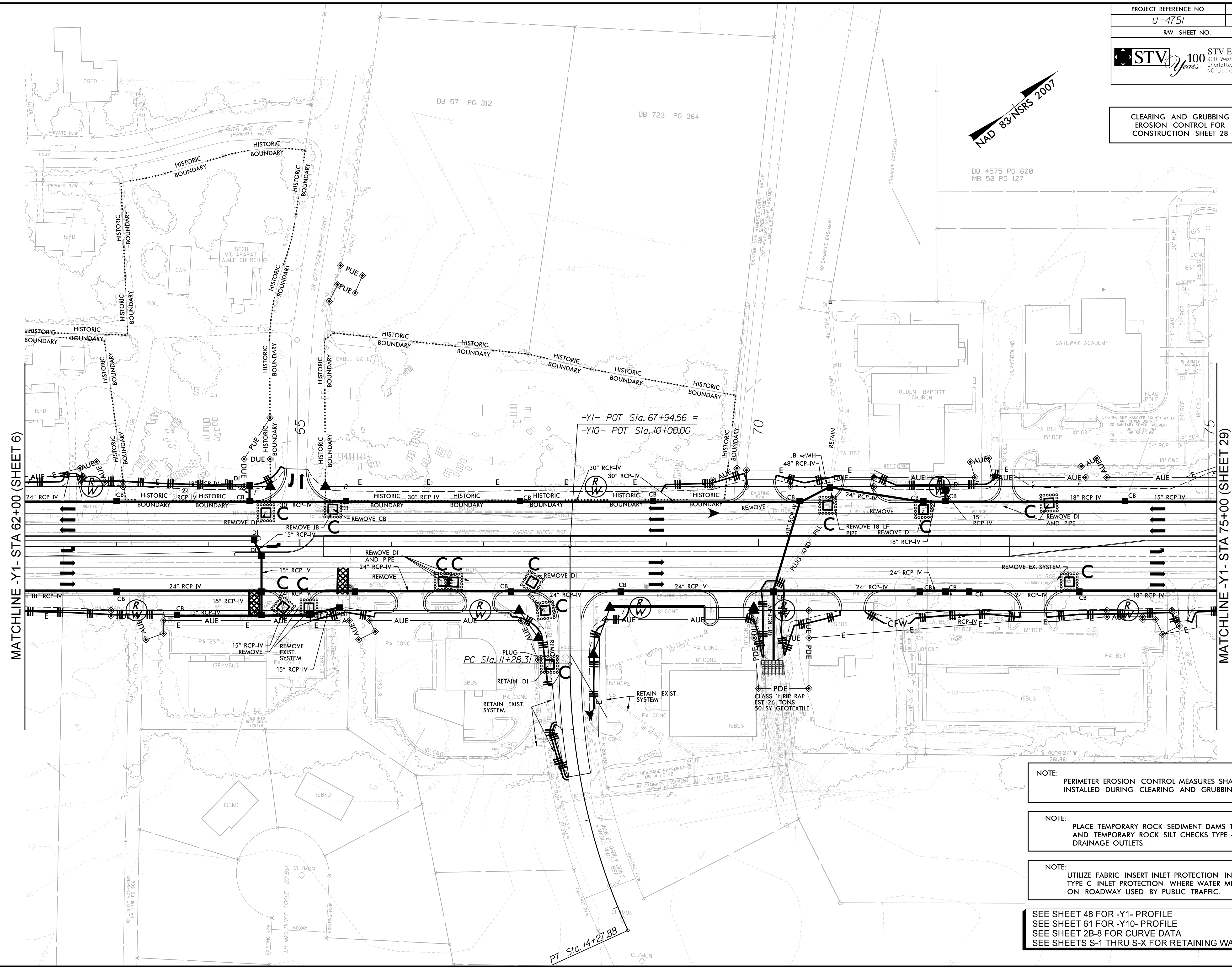
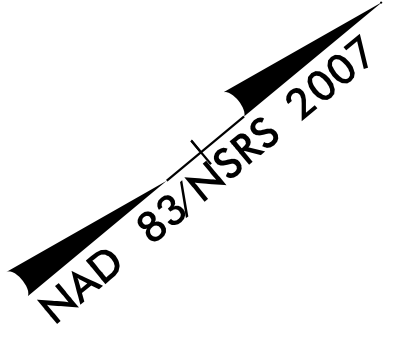
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF
TYPE C INLET PROTECTION WHERE WATER MIGHT POND
ON ROADWAY USED BY PUBLIC TRAFFIC.

SEE SHEET 52 FOR -Y1RPD- PROFILE
SEE SHEETS 2D-1 & 2D-2 FOR DITCH DETAILS
SEE SHEET 2B-8 FOR CURVE DATA

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**CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 28**



MATCHLINE -Y1- STA 62+00 (SHEET 6)

MATCHLINE -Y1- STA 75+00 (SHEET 29)

-Y1- POT Sta. 67+94.56 =
 -Y10- POT Sta. 10+00.00

PLUG
 PC Sta. 11+28.31

PT Sta. 14+27.88

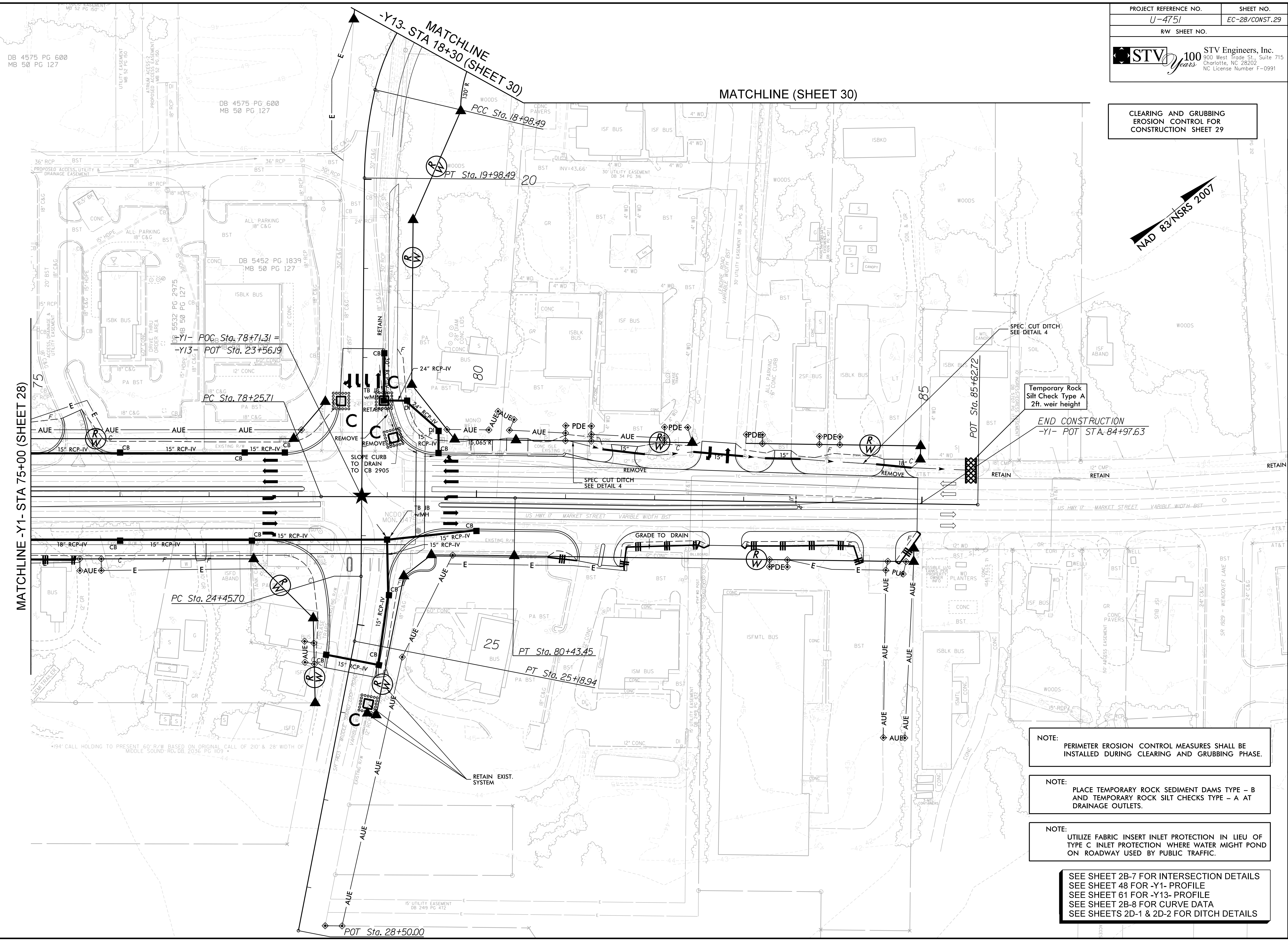
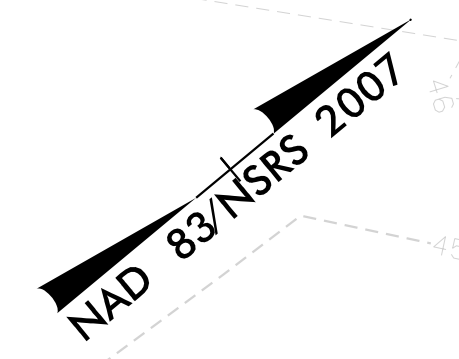
NOTE:
 PERIMETER EROSION CONTROL MEASURES SHALL BE
 INSTALLED DURING CLEARING AND GRUBBING PHASE.

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

NOTE:
 UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF
 TYPE C. INLET PROTECTION WHERE WATER MIGHT POND
 ON ROADWAY USED BY PUBLIC TRAFFIC.

SEE SHEET 48 FOR -Y1- PROFILE
 SEE SHEET 61 FOR -Y10- PROFILE
 SEE SHEET 2B-8 FOR CURVE DATA
 SEE SHEETS S-1 THRU S-X FOR RETAINING WALL PLANS

CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 29



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 IN LIEU OF TYPE C INLET PROTECTION WHERE WATER MIGHT POND ON ROADWAY USED BY PUBLIC TRAFFIC.

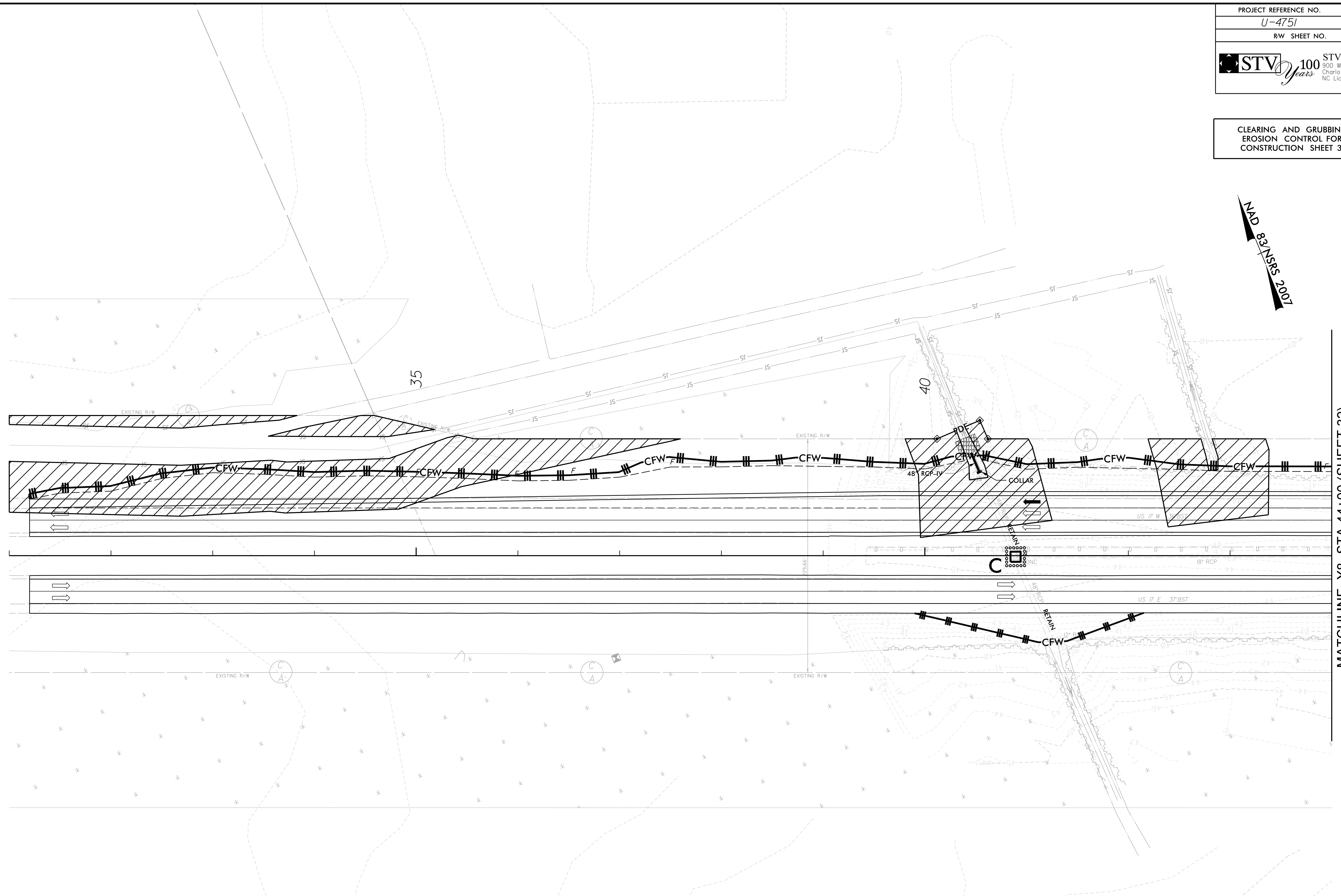
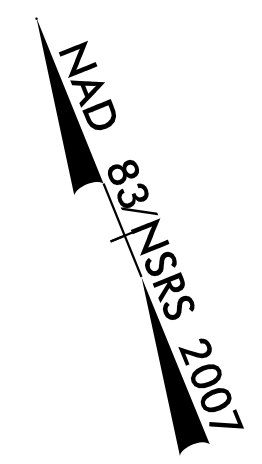
SEE SHEET 2B-7 FOR INTERSECTION DETAILS
 SEE SHEET 48 FOR -Y1- PROFILE
 SEE SHEET 61 FOR -Y13- PROFILE
 SEE SHEET 2B-8 FOR CURVE DATA
 SEE SHEETS 2D-1 & 2D-2 FOR DITCH DETAILS

MATCHLINE -Y1- STA 75+00 (SHEET 28)

MATCHLINE (SHEET 30)

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CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 31



MATCHLINE -Y8- STA 44+00 (SHEET 32)

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.

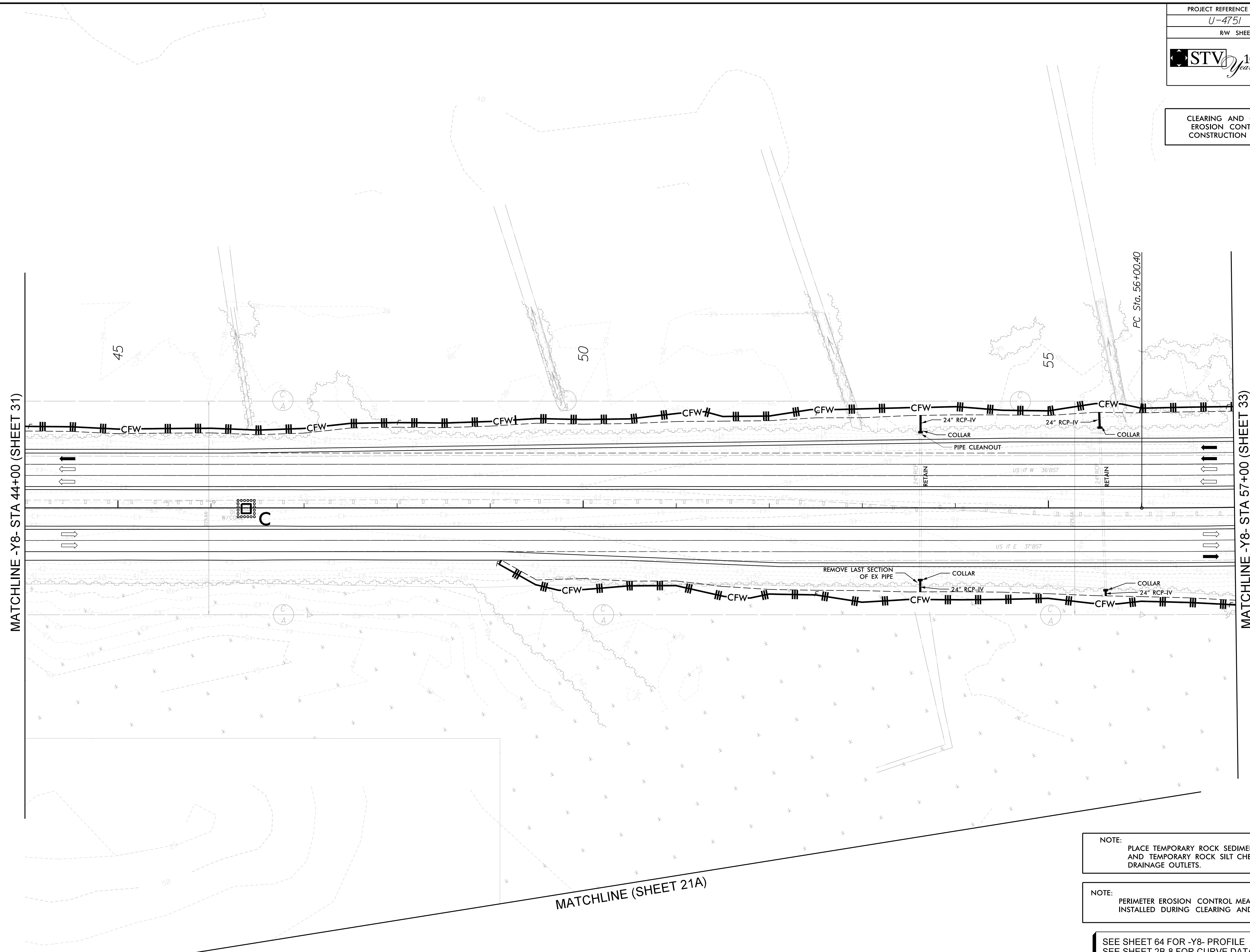
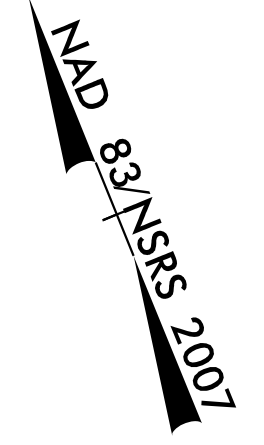
NOTE: PERIMETER EROSION CONTROL MEASURES SHALL BE INSTALLED DURING CLEARING AND GRUBBING PHASE.

 ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

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

SEE SHEET 64 FOR -Y8- PROFILE
SEE SHEET 2B-8 FOR CURVE DATA

CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 32



MATCHLINE -Y8- STA 44+00 (SHEET 31)

MATCHLINE -Y8- STA 57+00 (SHEET 33)

MATCHLINE (SHEET 21A)

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

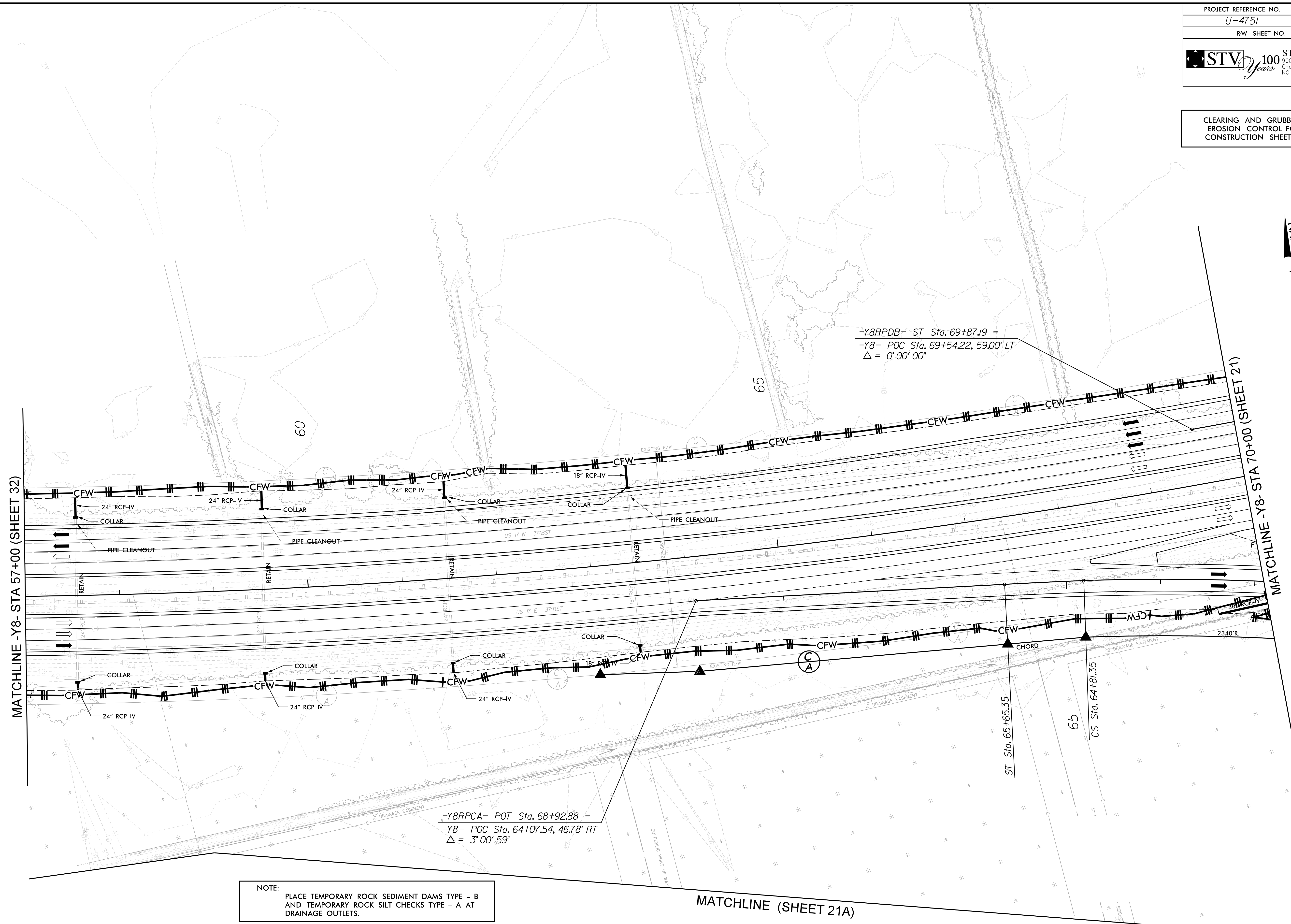
NOTE:
 PERIMETER EROSION CONTROL MEASURES SHALL BE
 INSTALLED DURING CLEARING AND GRUBBING PHASE.

SEE SHEET 64 FOR -Y8- PROFILE
 SEE SHEET 2B-8 FOR CURVE DATA

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CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 33

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 83/NSRS 2007



-Y8RPDB- ST Sta. 69+87.19 =
 -Y8- POC Sta. 69+54.22, 59.00' LT
 $\Delta = 0'00'00''$

-Y8RPCA- POT Sta. 68+92.88 =
 -Y8- POC Sta. 64+07.54, 46.78' RT
 $\Delta = 3'00'59''$

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

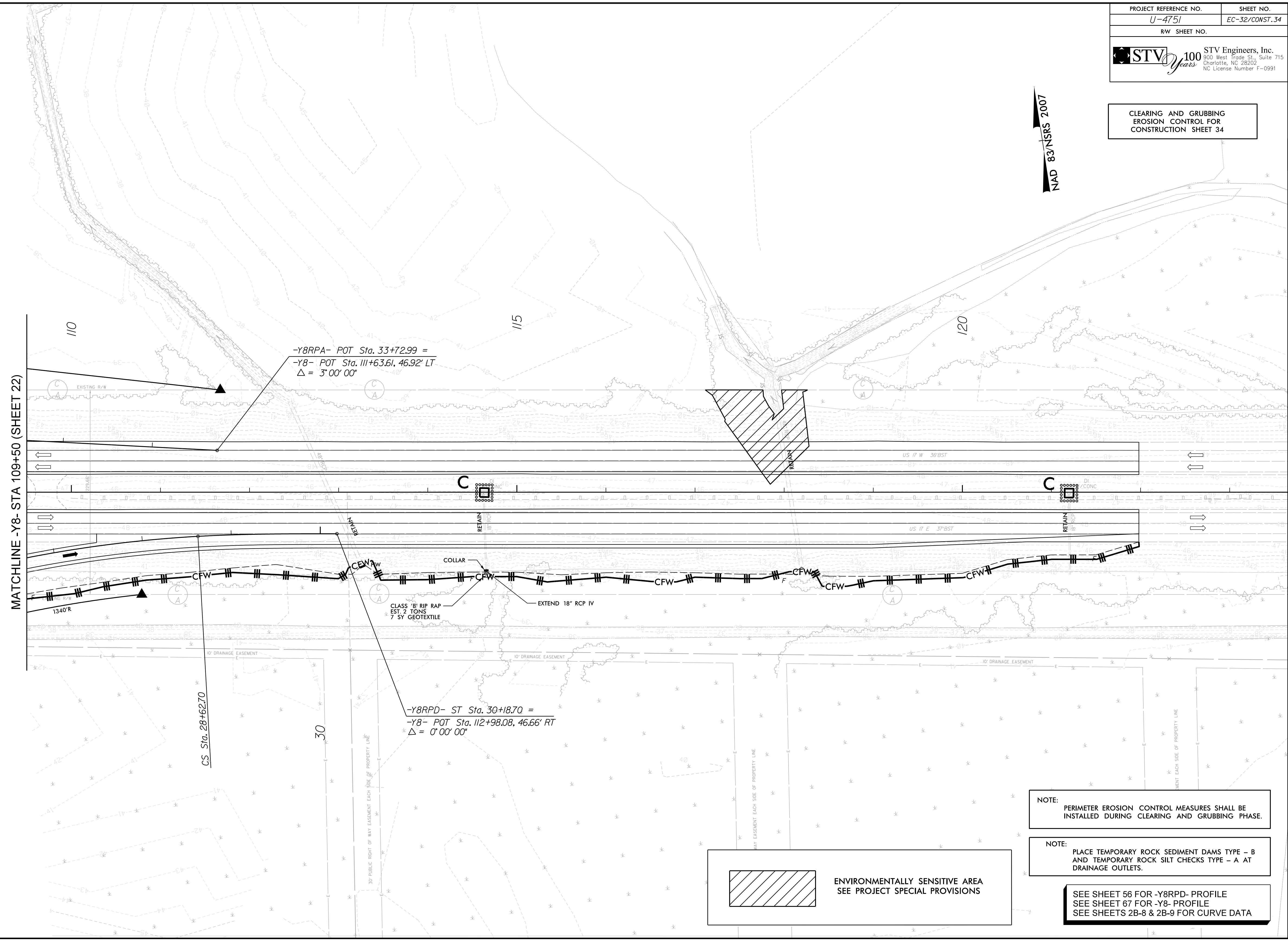
NOTE:
 PERIMETER EROSION CONTROL MEASURES SHALL BE
 INSTALLED DURING CLEARING AND GRUBBING PHASE.

SEE SHEET 55 FOR -Y8RPCA- PROFILE
 SEE SHEET 59 FOR -Y8RPDB- PROFILE
 SEE SHEET 65 FOR -Y8- PROFILE
 SEE SHEETS 2B-8 & 2B-9 FOR CURVE DATA

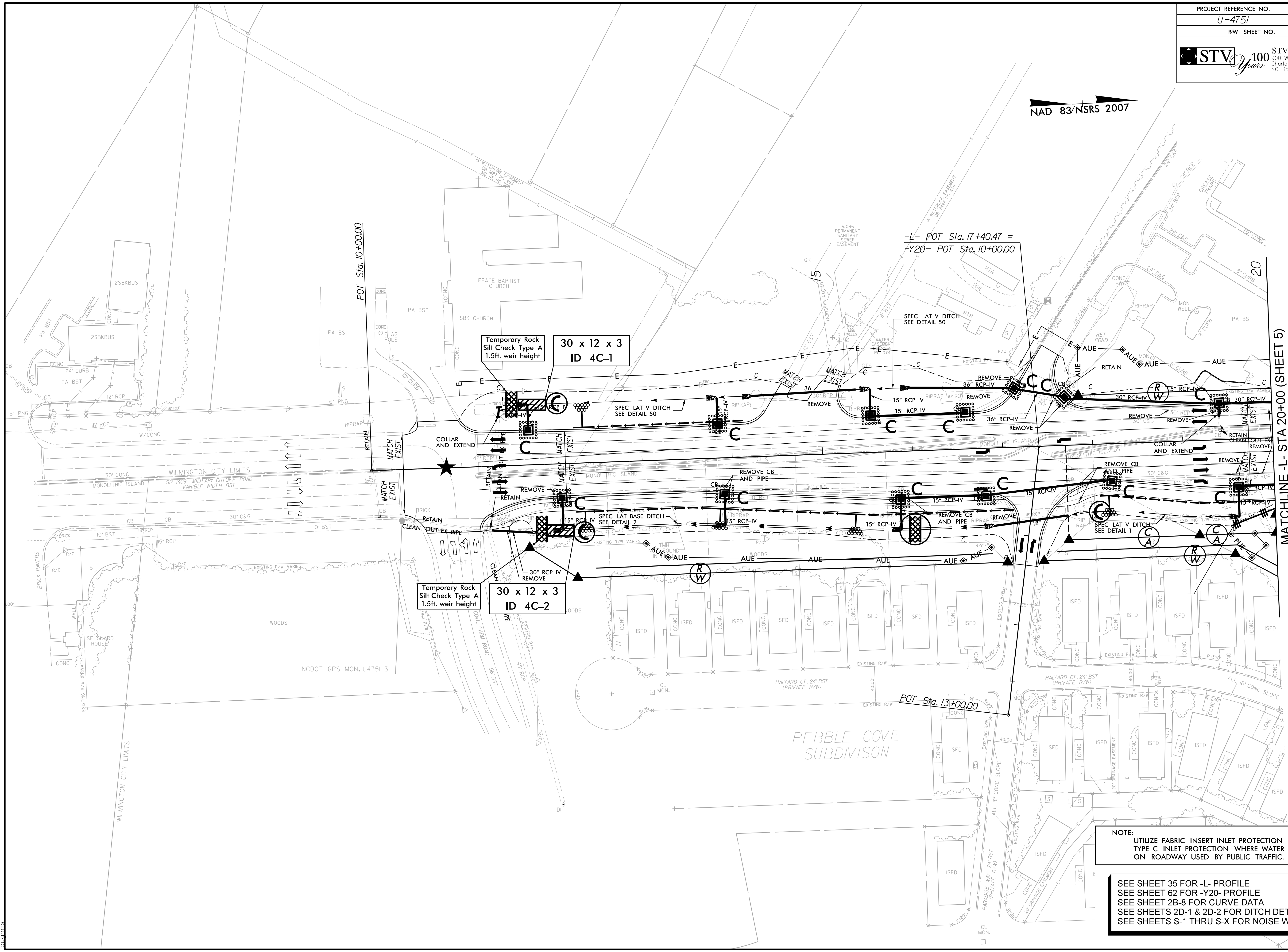
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CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 34

NAD 83/NSRS 2007



NAD 83/NSRS 2007



POT Sta. 10+00.00

-L- POT Sta. 17+40.47 =
-Y20- POT Sta. 10+00.00

Temporary Rock Silt Check Type A
1.5ft. weir height
30 x 12 x 3
ID 4C-1

Temporary Rock Silt Check Type A
1.5ft. weir height
30 x 12 x 3
ID 4C-2

MATCHLINE -L- STA 20+00 (SHEET 5)

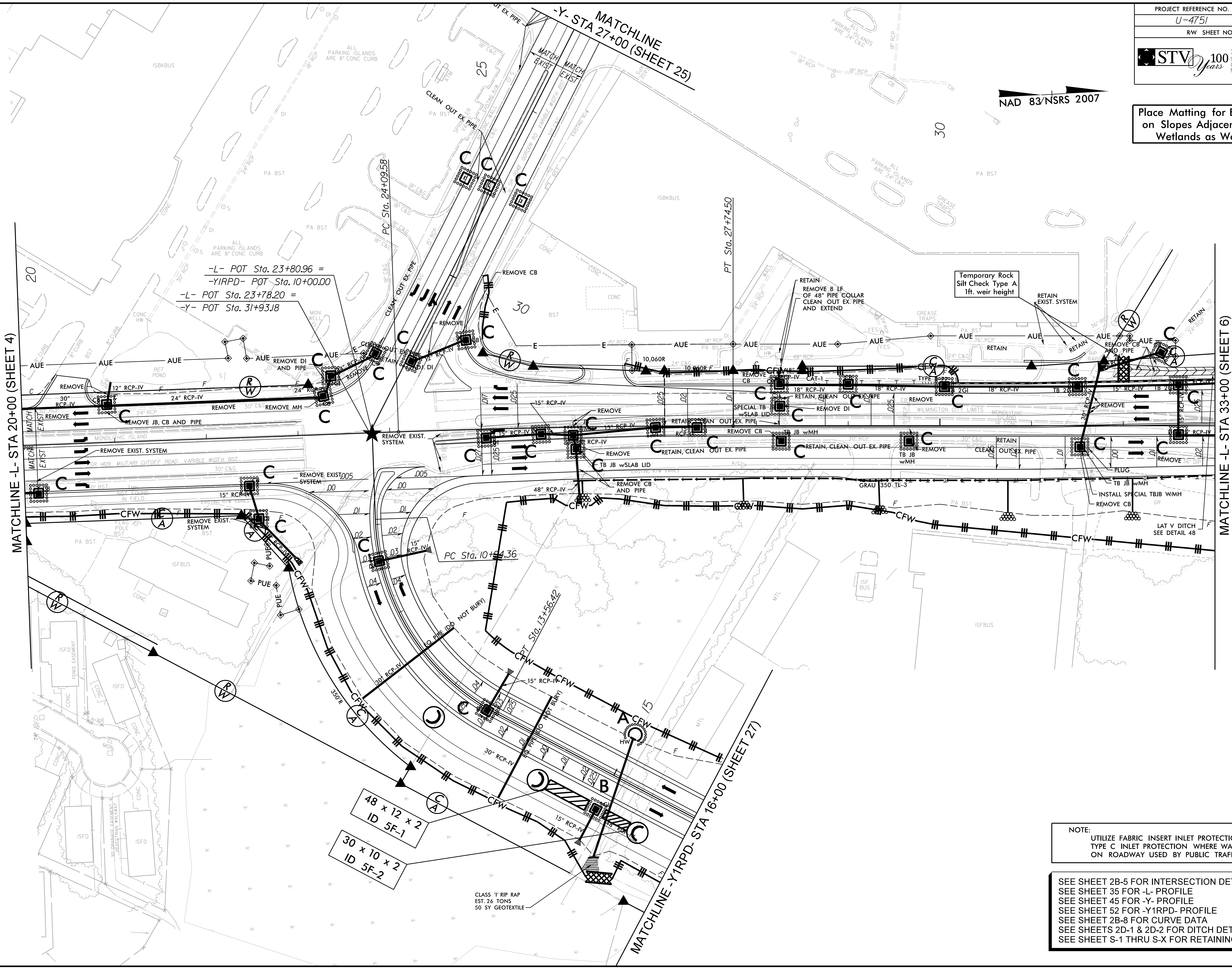
NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF
TYPE C INLET PROTECTION WHERE WATER MIGHT POND
ON ROADWAY USED BY PUBLIC TRAFFIC.

SEE SHEET 35 FOR -L- PROFILE
SEE SHEET 62 FOR -Y20- PROFILE
SEE SHEET 2B-8 FOR CURVE DATA
SEE SHEETS 2D-1 & 2D-2 FOR DITCH DETAILS
SEE SHEETS S-1 THRU S-X FOR NOISE WALL PLANS

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NAD 83/NSRS 2007

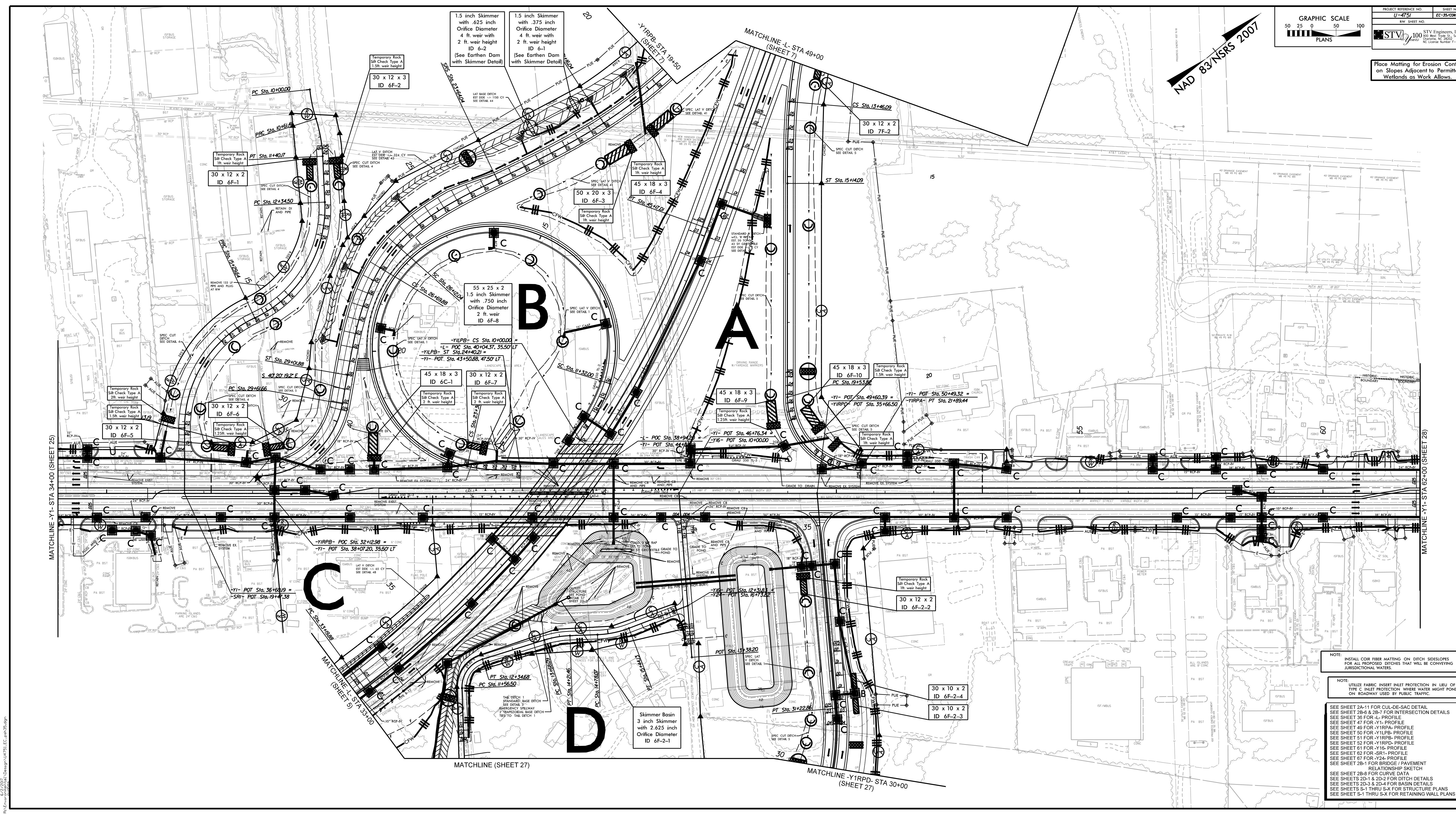
Place Matting for Erosion Control on Slopes Adjacent to Permitted Wetlands as Work Allows.



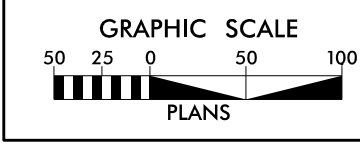
NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF TYPE C INLET PROTECTION WHERE WATER MIGHT POND ON ROADWAY USED BY PUBLIC TRAFFIC.

SEE SHEET 2B-5 FOR INTERSECTION DETAILS
 SEE SHEET 35 FOR -L- PROFILE
 SEE SHEET 45 FOR -Y- PROFILE
 SEE SHEET 52 FOR -Y1RPD- PROFILE
 SEE SHEET 2B-8 FOR CURVE DATA
 SEE SHEETS 2D-1 & 2D-2 FOR DITCH DETAILS
 SEE SHEET S-1 THRU S-X FOR RETAINING WALL PLANS

6/2/2017
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NAD 83/NSRS 2007



PROJECT REFERENCE NO. U-4751
SHEET NO. EC-38/08ST-06
REV. SHEET NO.
STV Engineers, Inc.
100 West Gate St., Suite 715
St. Louis, MO 63102
Tel: 314.433.8800
Fax: 314.433.8801

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

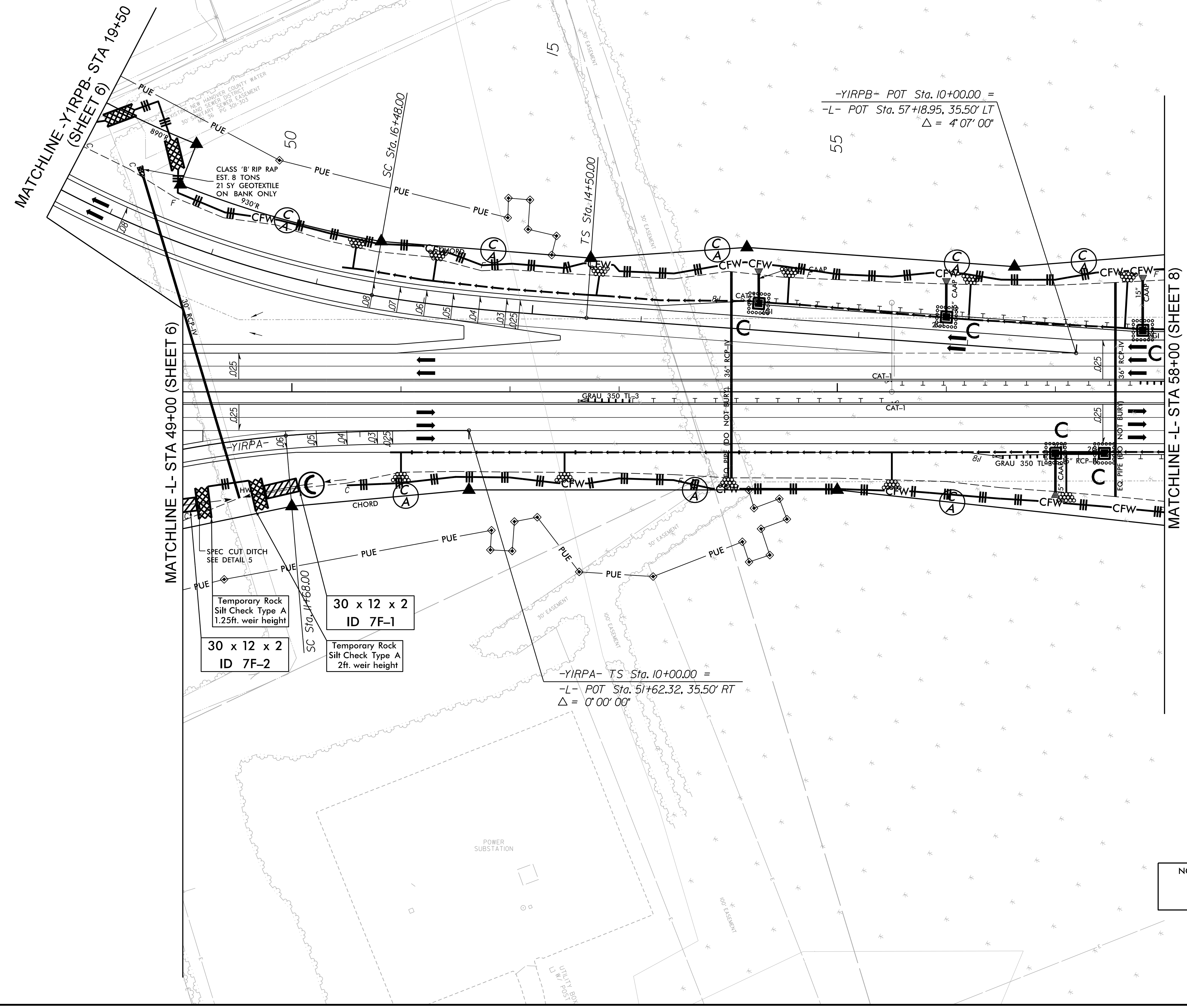
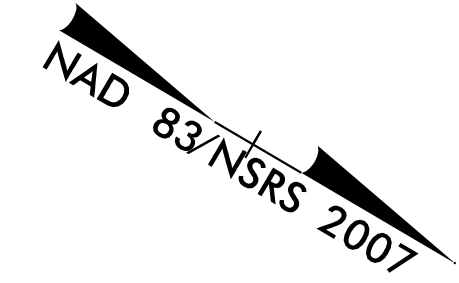
NOTE: INSTALL COIR FIBER MATTING ON DITCH SIDESLOPES FOR ALL PROPOSED DITCHES THAT WILL BE CONVEYING SUBFUNCTIONAL WATERS.

NOTE: UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF TYPE C INLET PROTECTION WHERE WATER MIGHT POND ON ROADWAY USED BY PUBLIC TRAFFIC.

SEE SHEET 2A-11 FOR CUL-DE-SAC DETAIL
SEE SHEET 2B-4 & 2B-7 FOR INTERSECTION DETAILS
SEE SHEET 36 FOR L-PROFILE
SEE SHEET 47 FOR Y1-PROFILE
SEE SHEET 48 FOR Y1RPA-PROFILE
SEE SHEET 50 FOR Y1LPB-PROFILE
SEE SHEET 51 FOR Y1RPA-PROFILE
SEE SHEET 52 FOR Y1RPD-PROFILE
SEE SHEET 61 FOR Y1S-PROFILE
SEE SHEET 62 FOR SR1-PROFILE
SEE SHEET 67 FOR Y2-PROFILE
SEE SHEET 2B-1 FOR BRIDGE PAVEMENT RELATIONSHIP SKETCH
SEE SHEET 2B-8 FOR CURVE DATA
SEE SHEETS 2D-3 & 2D-4 FOR BASIN DETAILS
SEE SHEETS S-1 THRU S-4 FOR STRUCTURE PLANS
SEE SHEET S-1 THRU S-6 FOR RETAINING WALL PLANS

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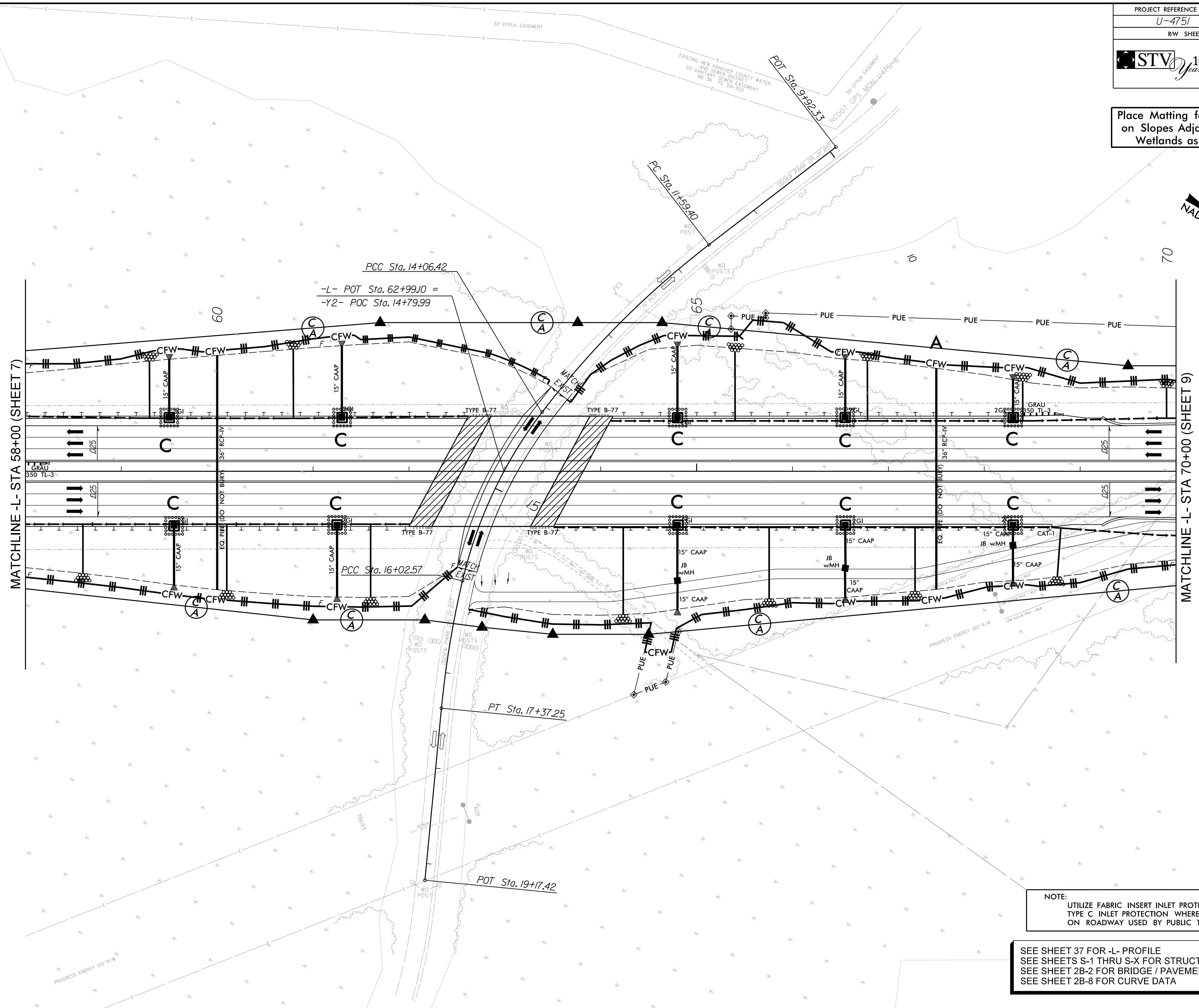
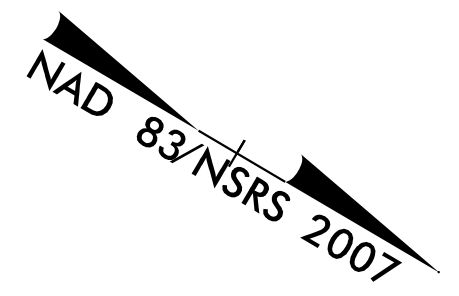
Place Matting for Erosion Control on Slopes Adjacent to Permitted Wetlands as Work Allows.



NOTE:
 UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF TYPE C INLET PROTECTION WHERE WATER MIGHT POND ON ROADWAY USED BY PUBLIC TRAFFIC.

SEE SHEET 36 FOR -L- PROFILE
 SEE SHEET 49 FOR -Y1RPA- PROFILE
 SEE SHEET 51 FOR -Y1RPB- PROFILE
 SEE SHEET 2B-8 FOR CURVE DATA
 SEE SHEETS 2D-1 & 2D-2 FOR DITCH DETAILS

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



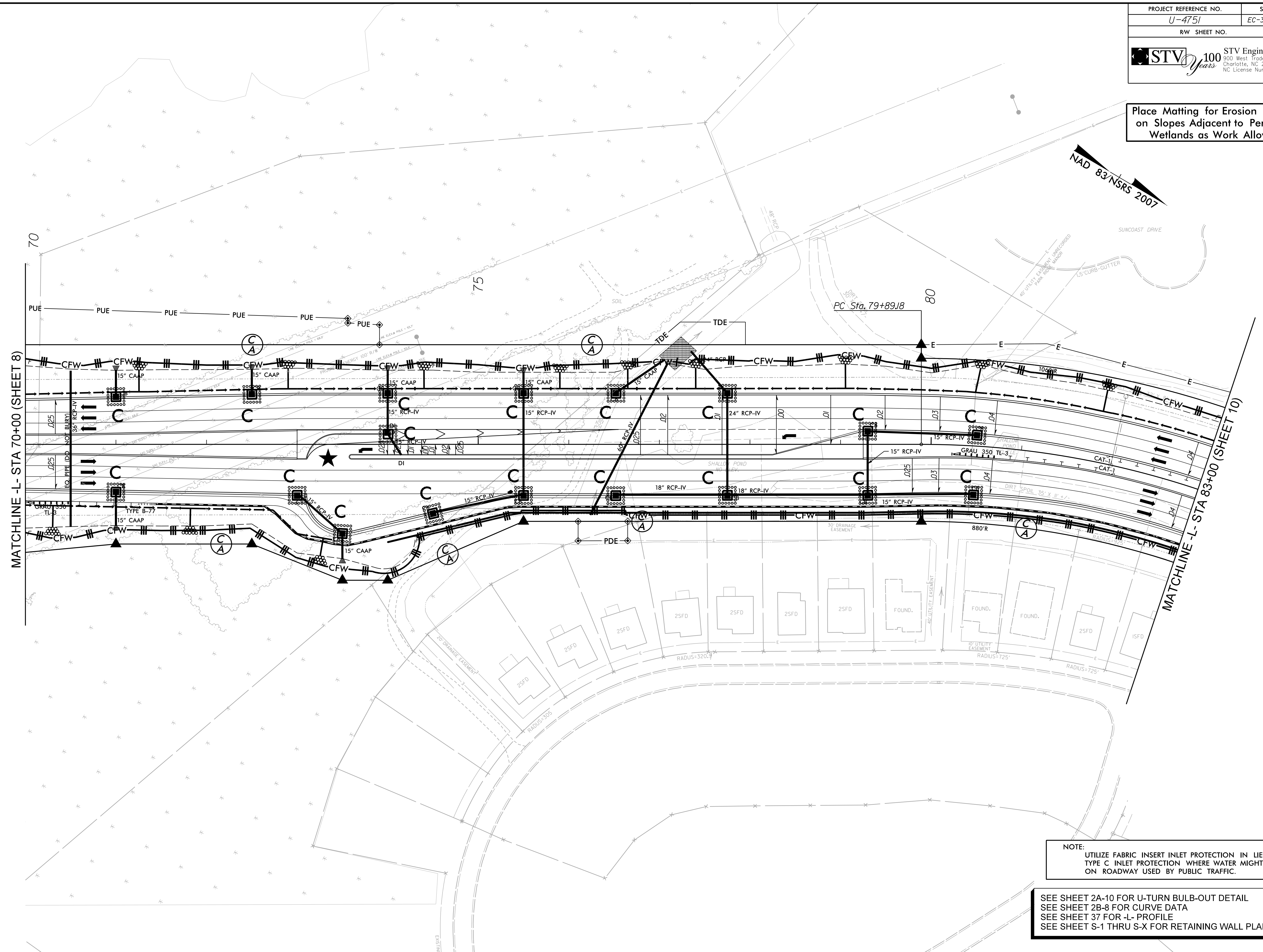
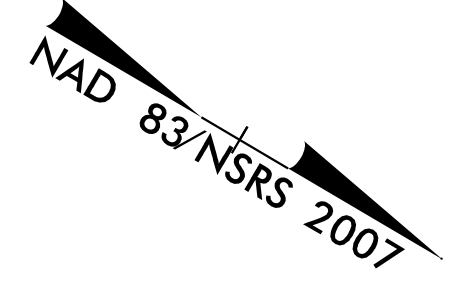
MATCHLINE -L- STA 58+00 (SHEET 7)

MATCHLINE -L- STA 70+00 (SHEET 9)

NOTE:
 UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF TYPE C INLET PROTECTION WHERE WATER MIGHT POND ON ROADWAY USED BY PUBLIC TRAFFIC.

SEE SHEET 37 FOR -L- PROFILE
 SEE SHEETS S-1 THRU S-X FOR STRUCTURE PLANS
 SEE SHEET 2B-2 FOR BRIDGE / PAVEMENT RELATIONSHIP
 SEE SHEET 2B-8 FOR CURVE DATA

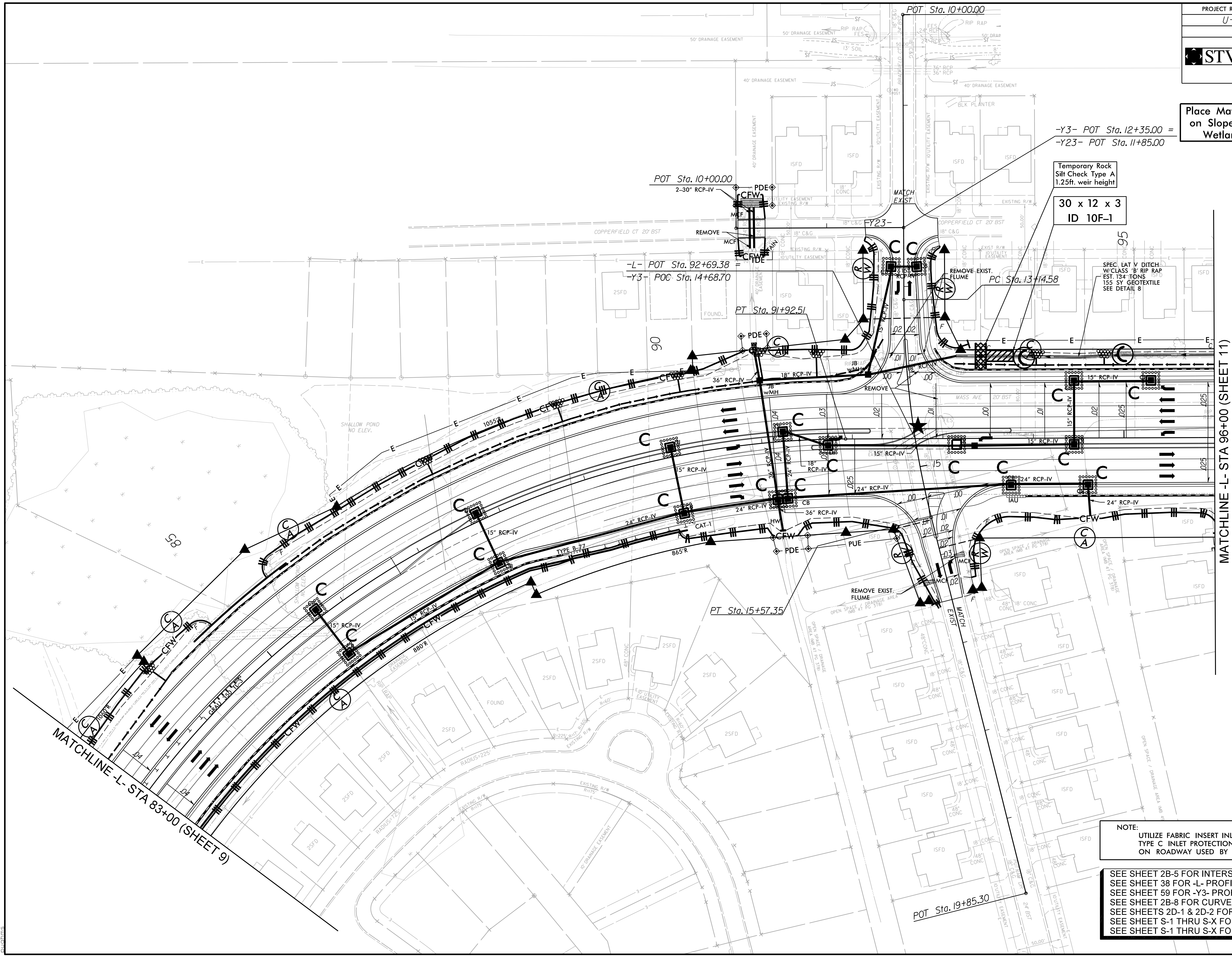
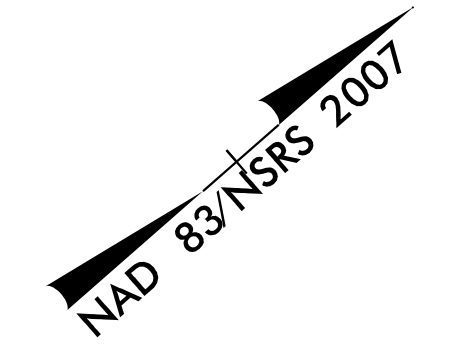
Place Matting for Erosion Control on Slopes Adjacent to Permitted Wetlands as Work Allows.



NOTE:
 UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF TYPE C INLET PROTECTION WHERE WATER MIGHT POND ON ROADWAY USED BY PUBLIC TRAFFIC.

SEE SHEET 2A-10 FOR U-TURN BULB-OUT DETAIL
 SEE SHEET 2B-8 FOR CURVE DATA
 SEE SHEET 37 FOR -L- PROFILE
 SEE SHEET S-1 THRU S-X FOR RETAINING WALL PLANS

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



Temporary Rock Silt Check Type A 1.25ft. weir height

30 x 12 x 3 ID 10F-1

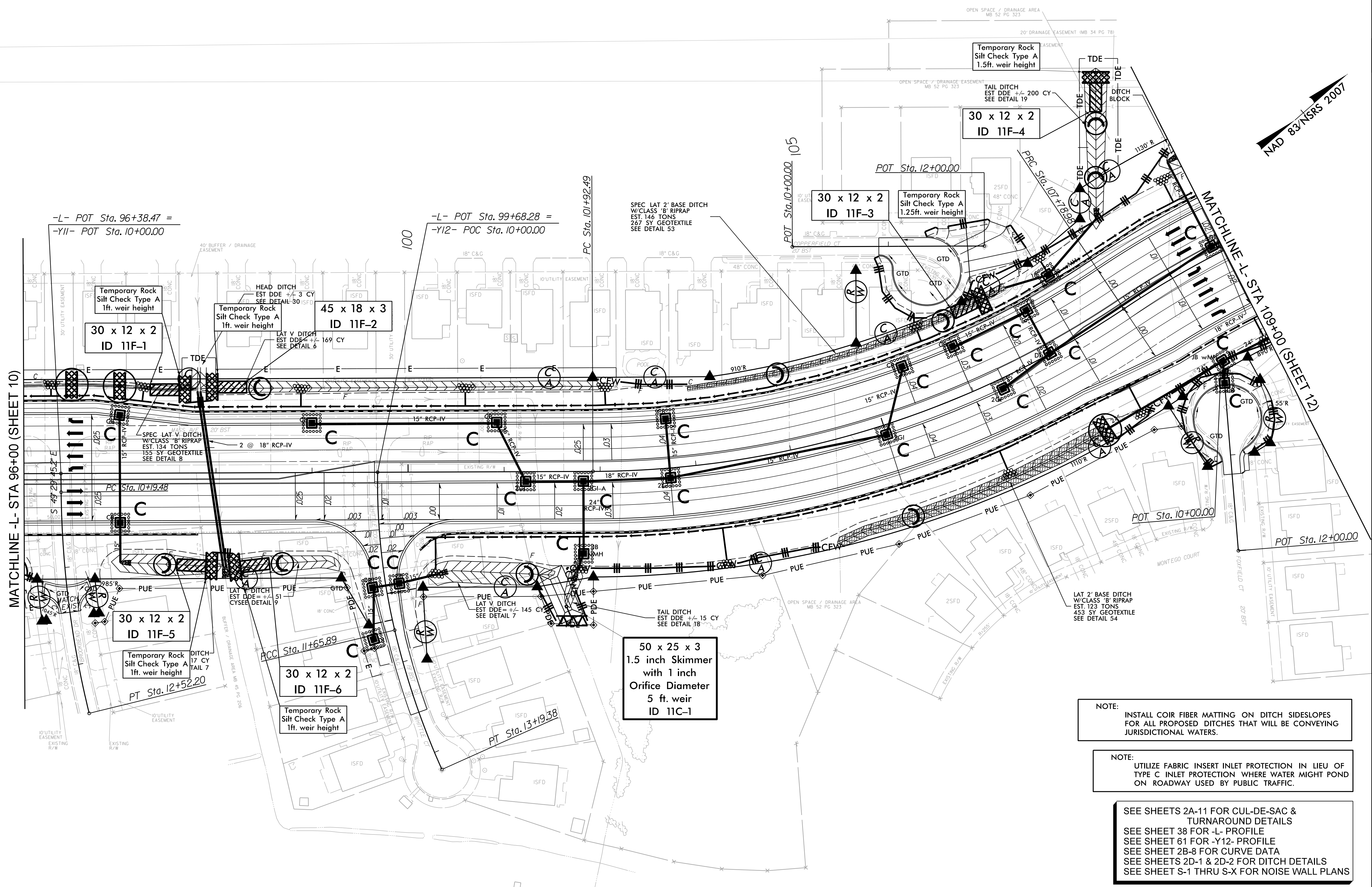
SPEC LAT V DITCH W/CLASS 'B' RIP RAP EST. 134 TONS 155 SY GEOTEXTILE SEE DETAIL 8

NOTE: UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF TYPE C INLET PROTECTION WHERE WATER MIGHT POND ON ROADWAY USED BY PUBLIC TRAFFIC.

SEE SHEET 2B-5 FOR INTERSECTION DETAILS
 SEE SHEET 38 FOR -L- PROFILE
 SEE SHEET 59 FOR -Y3- PROFILE
 SEE SHEET 2B-8 FOR CURVE DATA
 SEE SHEETS 2D-1 & 2D-2 FOR DITCH DETAILS
 SEE SHEET S-1 THRU S-X FOR RETAINING WALL PLANS
 SEE SHEET S-1 THRU S-X FOR NOISE WALL PLANS

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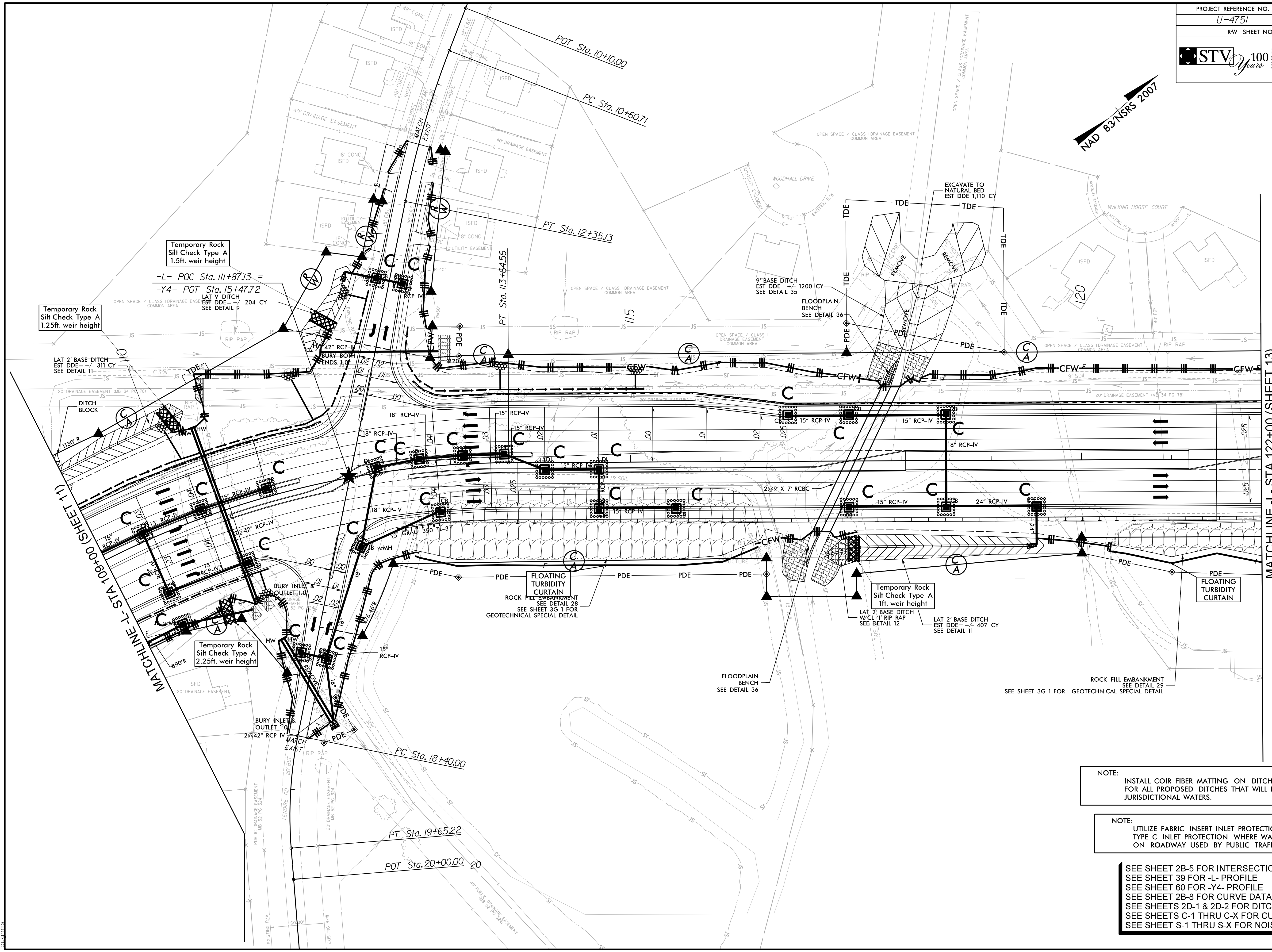
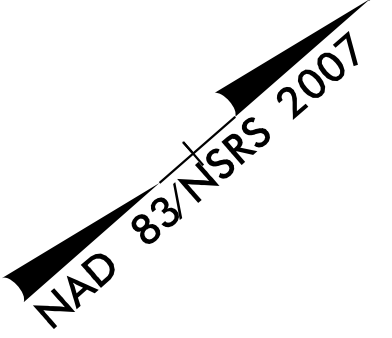


NOTE:
 INSTALL COIR FIBER MATTING ON DITCH SIDESLOPES FOR ALL PROPOSED DITCHES THAT WILL BE CONVEYING JURISDICTIONAL WATERS.

NOTE:
 UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF TYPE C INLET PROTECTION WHERE WATER MIGHT POND ON ROADWAY USED BY PUBLIC TRAFFIC.

SEE SHEETS 2A-11 FOR CUL-DE-SAC & TURNAROUND DETAILS
 SEE SHEET 38 FOR -L- PROFILE
 SEE SHEET 61 FOR -Y12- PROFILE
 SEE SHEET 2B-8 FOR CURVE DATA
 SEE SHEETS 2D-1 & 2D-2 FOR DITCH DETAILS
 SEE SHEET S-1 THRU S-X FOR NOISE WALL PLANS

6/2/2017
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Temporary Rock Silt Check Type A
1.5ft. weir height

-L- POC Sta. 111+87.13 =
-Y4- POT Sta. 15+47.72
LAT V DITCH EST DDE = +/- 204 CY
SEE DETAIL 9

Temporary Rock Silt Check Type A
1.25ft. weir height

LAT 2' BASE DITCH EST DDE = +/- 311 CY
SEE DETAIL 11

Temporary Rock Silt Check Type A
2.25ft. weir height

FLOATING TURBIDITY CURTAIN
ROCK FILL EMBANKMENT
SEE DETAIL 28
SEE SHEET 3G-1 FOR GEOTECHNICAL SPECIAL DETAIL

Temporary Rock Silt Check Type A
1ft. weir height

LAT 2' BASE DITCH W/CL 11" RIP RAP
SEE DETAIL 12

LAT 2' BASE DITCH EST DDE = +/- 407 CY
SEE DETAIL 11

ROCK FILL EMBANKMENT
SEE DETAIL 29
SEE SHEET 3G-1 FOR GEOTECHNICAL SPECIAL DETAIL

NOTE:
INSTALL COIR FIBER MATTING ON DITCH SIDESLOPES FOR ALL PROPOSED DITCHES THAT WILL BE CONVEYING JURISDICTIONAL WATERS.

NOTE:
UTILIZE FABRIC INSERT INLET PROTECTION IN LIEU OF TYPE C INLET PROTECTION WHERE WATER MIGHT POND ON ROADWAY USED BY PUBLIC TRAFFIC.

SEE SHEET 2B-5 FOR INTERSECTION DETAILS
SEE SHEET 39 FOR -L- PROFILE
SEE SHEET 60 FOR -Y4- PROFILE
SEE SHEET 2B-8 FOR CURVE DATA
SEE SHEETS 2D-1 & 2D-2 FOR DITCH DETAILS
SEE SHEETS C-1 THRU C-X FOR CULVERT PLANS
SEE SHEET S-1 THRU S-X FOR NOISE WALL PLANS

MATCHLINE -L- STA 109+00 (SHEET 11)

MATCHLINE -L- STA 122+00 (SHEET 13)