

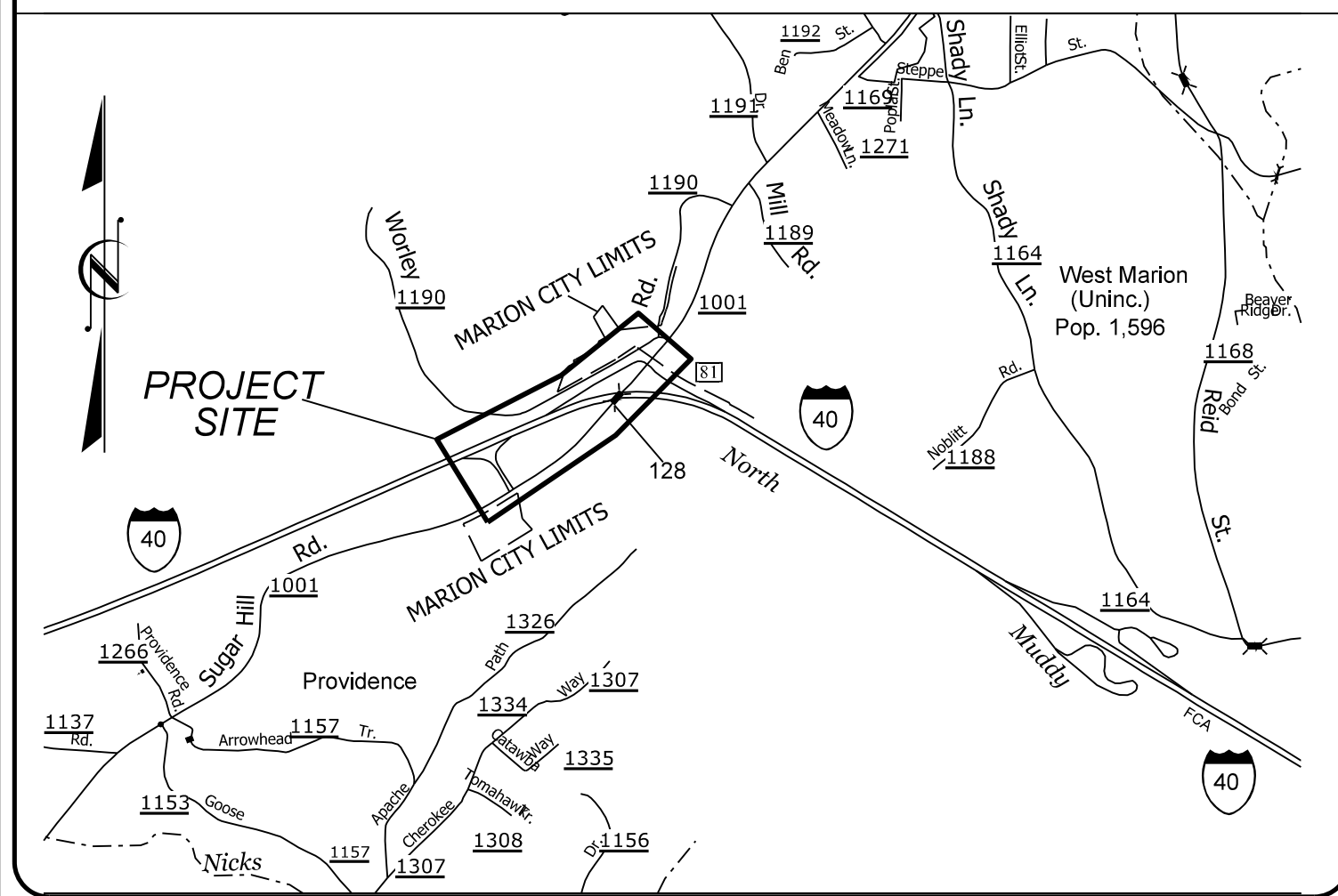
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and is Not a Certified Document –**

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

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

TIP PROJECT: U-5818

See Sheet 1-A For Index of Sheets



VICINITY MAP
NOT TO SCALE

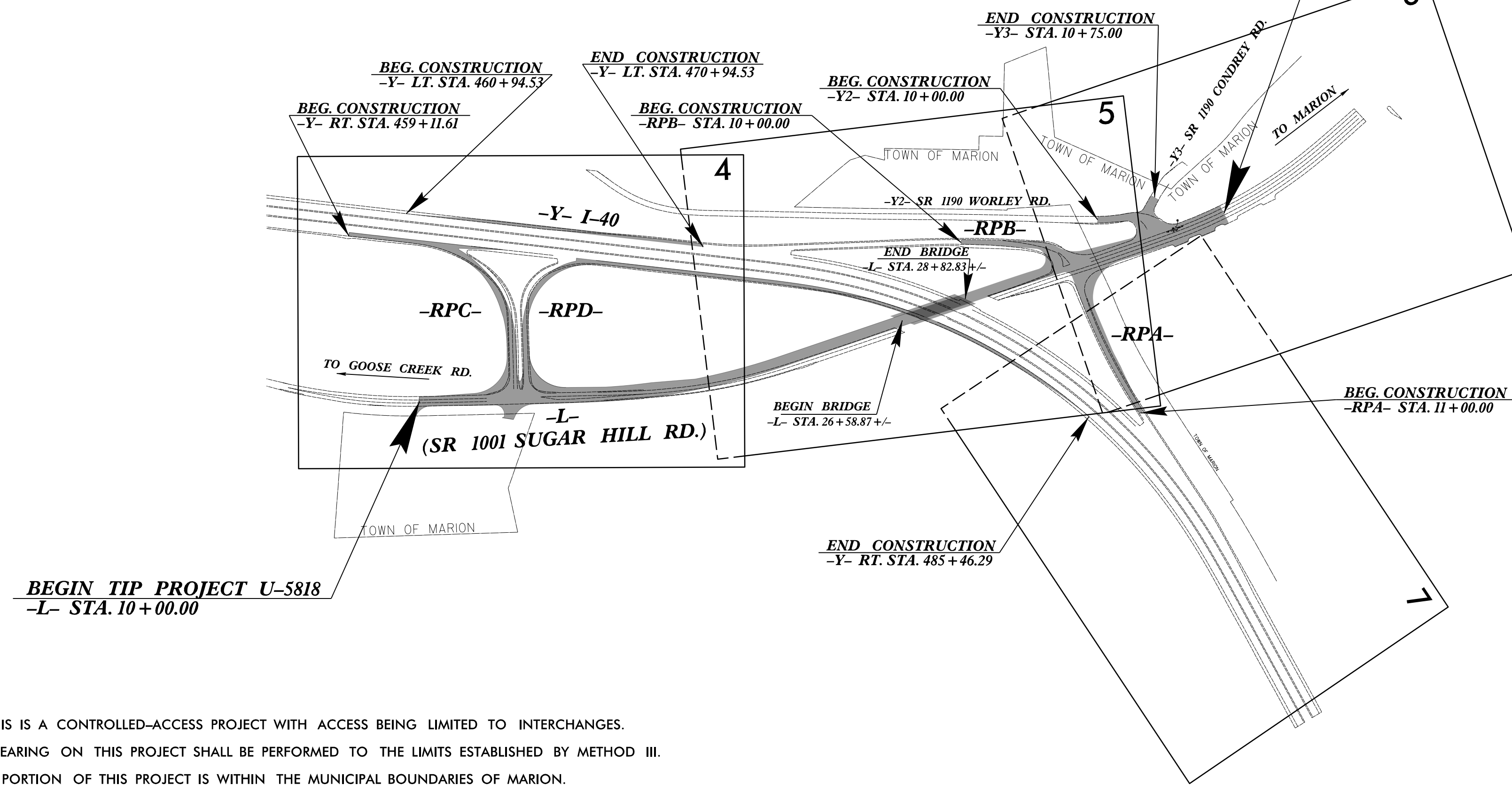
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
PLAN FOR PROPOSED
HIGHWAY EROSION CONTROL

McDOWELL COUNTY

LOCATION: SR 1001 (SUGAR HILL RD.) FROM I-40
WB RAMP TO 0.3MI. WEST OF I-40 EB
RAMPS.

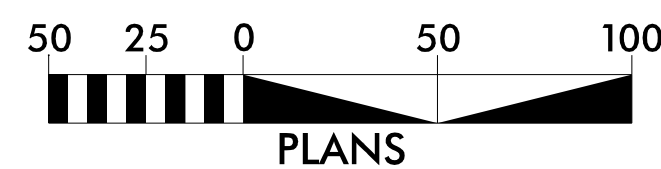
TYPE OF WORK: GRADING, DRAINAGE, PAVING, STRUCTURES, RETAINING WALLS, & CULVERTS.

END TIP PROJECT U-5818
-L- STA. 38 + 00.00

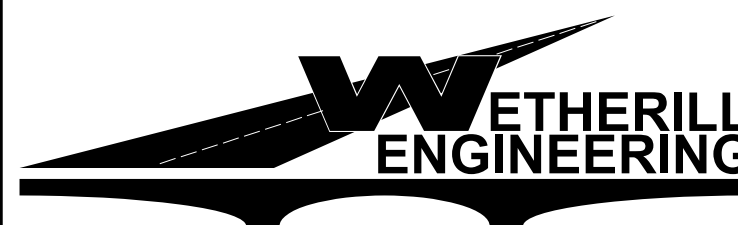


THIS IS A CONTROLLED-ACCESS PROJECT WITH ACCESS BEING LIMITED TO INTERCHANGES.
CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III.
A PORTION OF THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF MARION.

GRAPHIC SCALE



THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH THE APPLICABLE REGULATIONS SET FORTH BY THE NCG-010000 GENERAL CONSTRUCTION PERMIT EFFECTIVE APRIL 1, 2019 AND ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY DIVISION OF WATER RESOURCES.



Prepared In the Office of:

Wetherill Engineering
1223 Jones Franklin Rd. Raleigh, N.C. 27606
License No. F-0377
Bus: 919.851.8077 Fax: 919.851.8107

Designed by:

Ana Passman PE CFM **3581**
NAME LEVEL III CERTIFICATION NO.

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 2018 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	

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-5818	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
44390.1.1		PE	
44390.2.1		ROW /UTIL.	
44390.3.1			

EROSION AND SEDIMENT CONTROL MEASURES

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

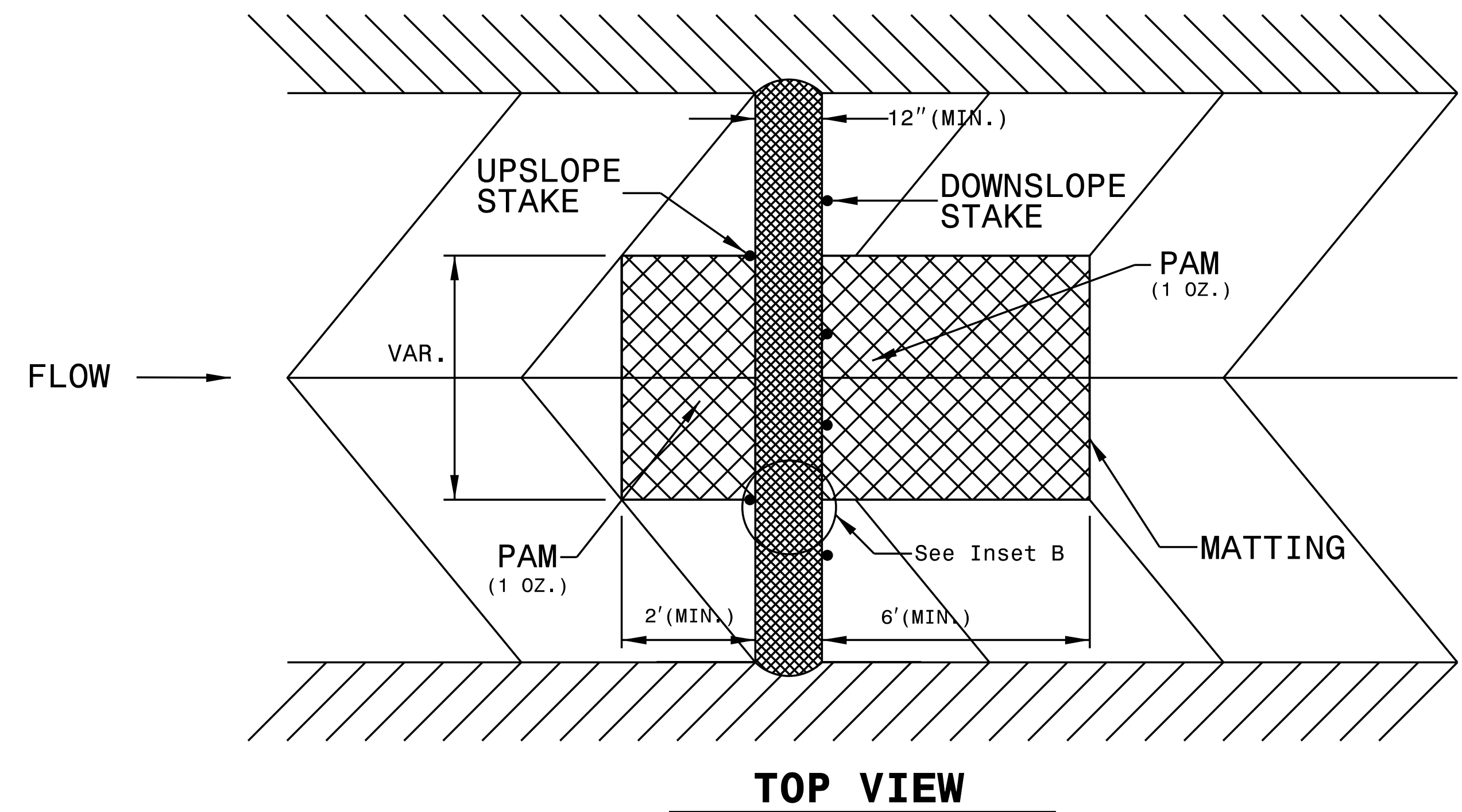
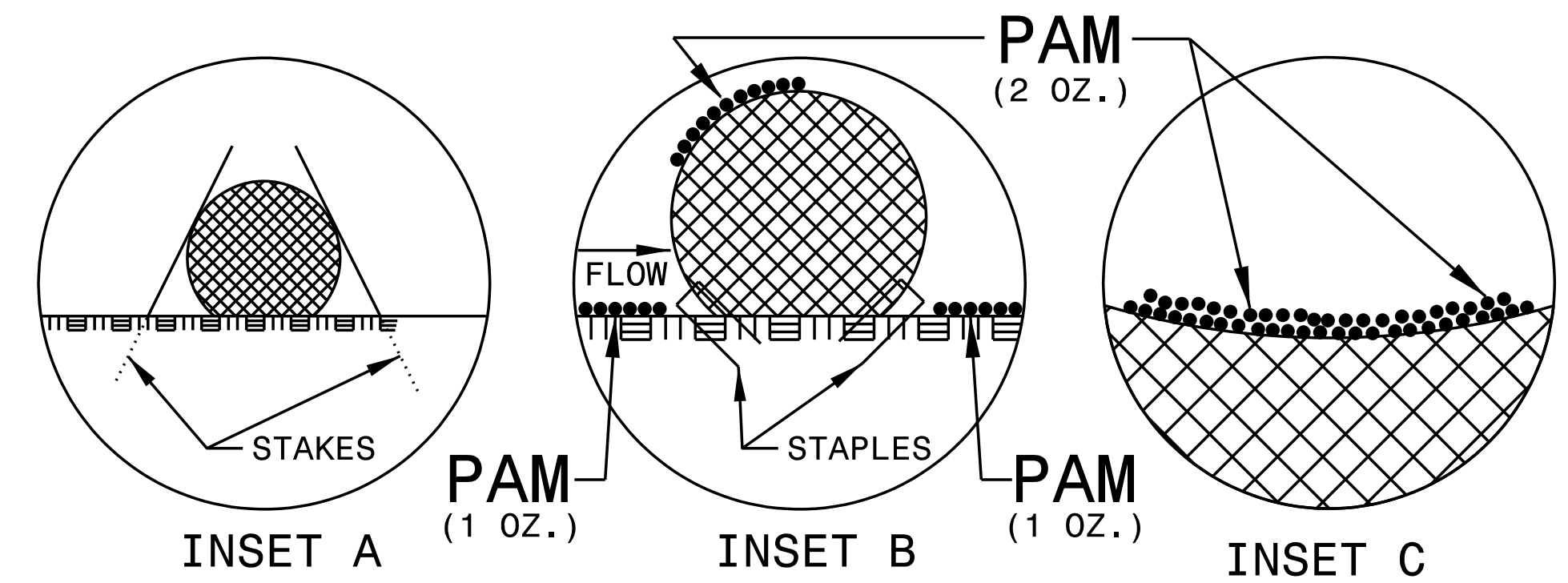
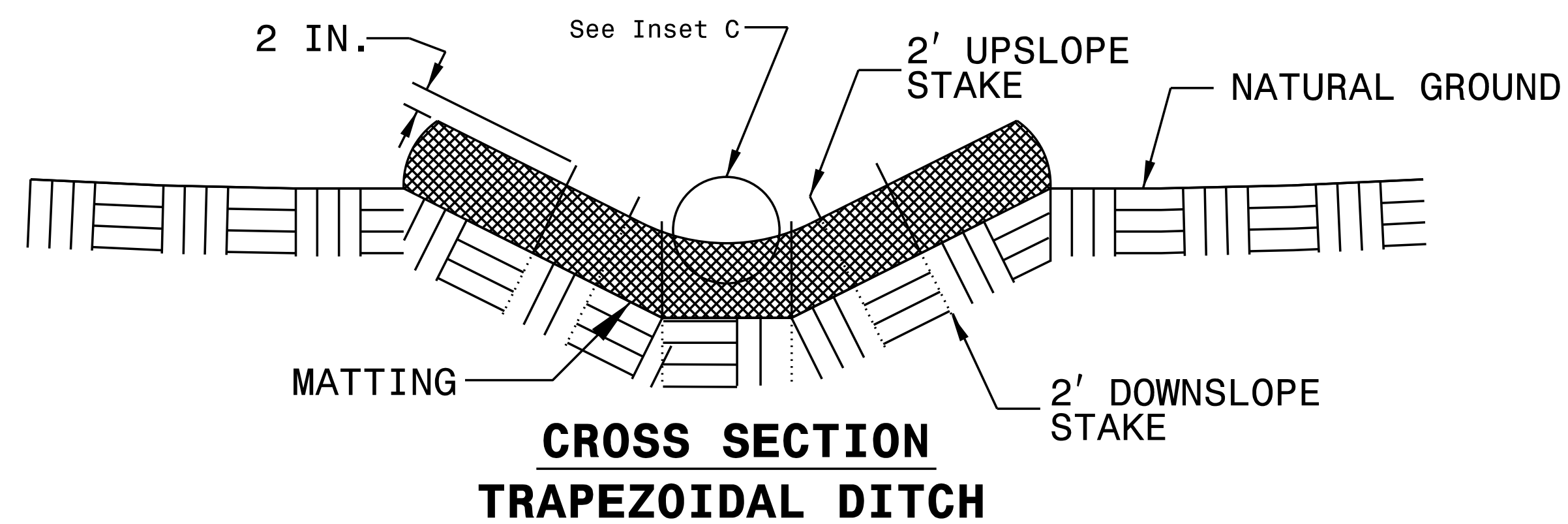
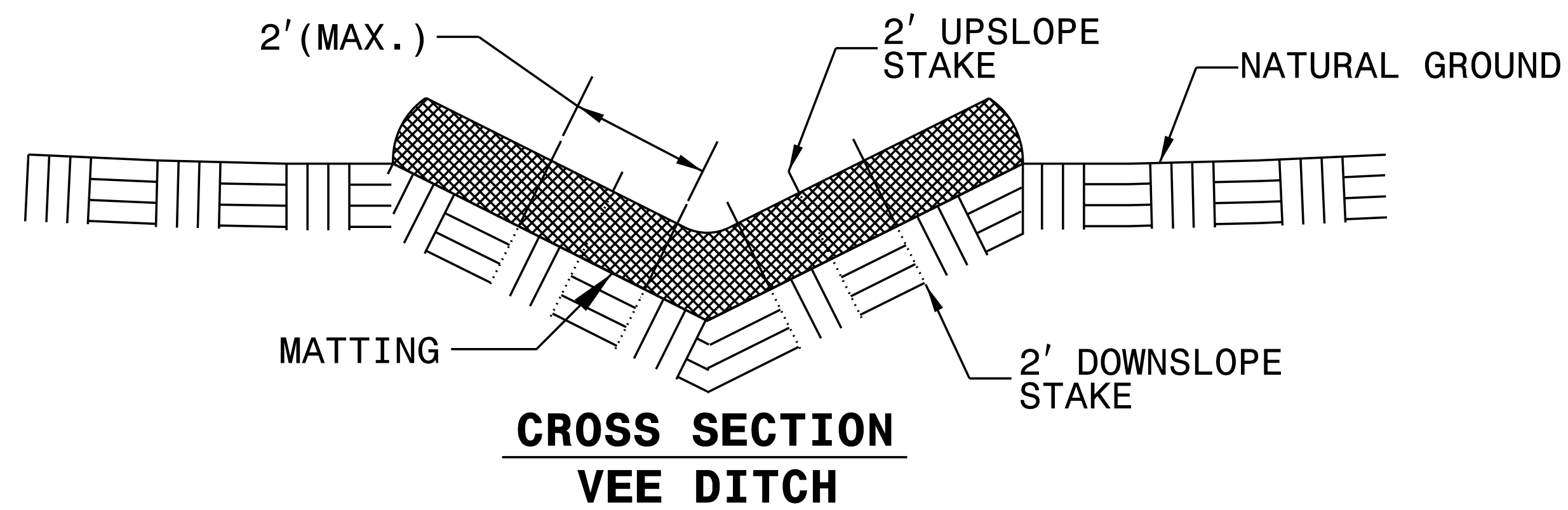
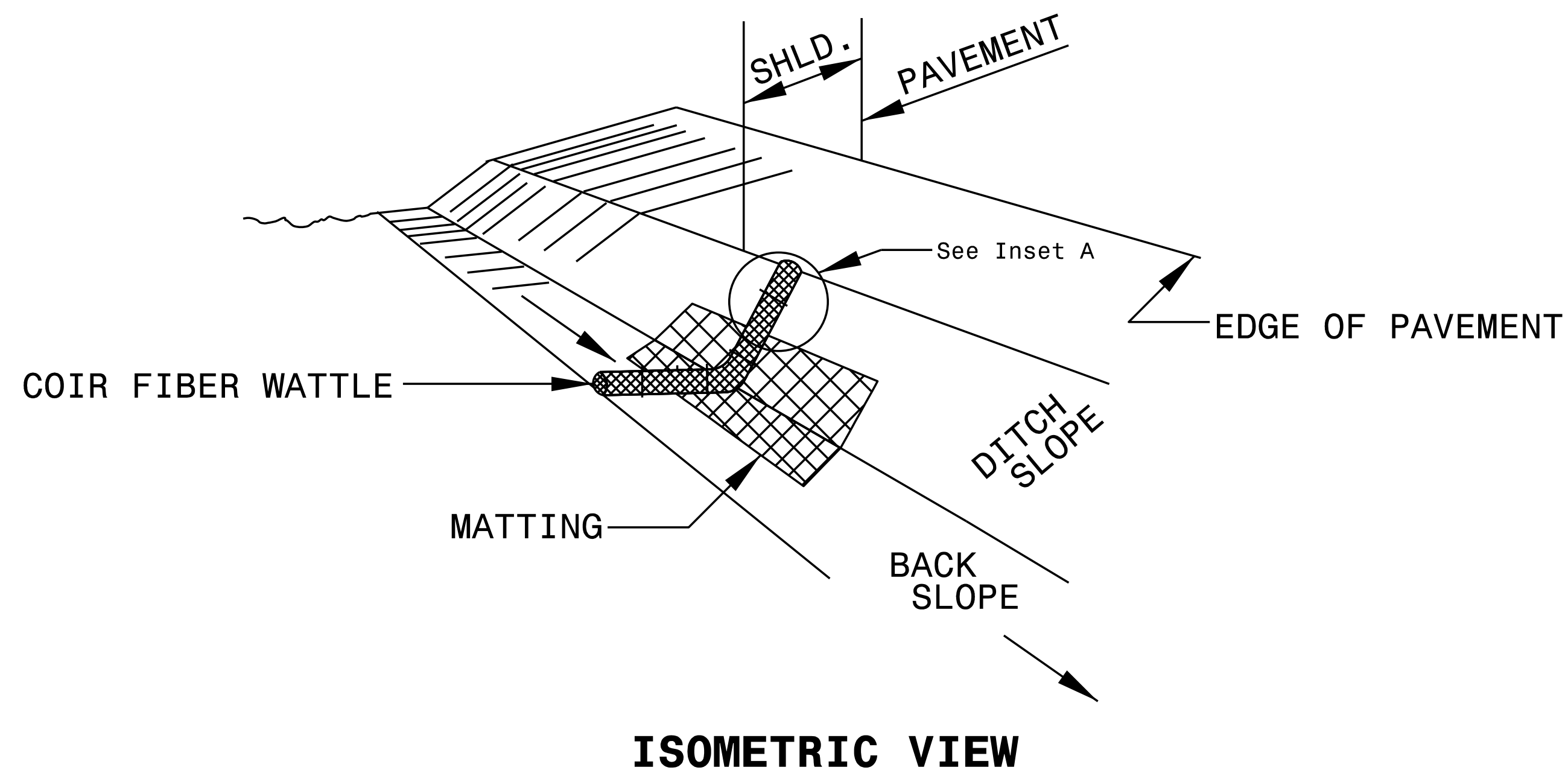
THIS PROJECT CONTAINS
EROSION CONTROL PLANS
FOR CLEARING AND
GRUBBING PHASE OF
CONSTRUCTION.

PROJECT REFERENCE NO. <i>U-5818</i>	SHEET NO. <i>EC-2</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

COIR FIBER WATTLE WITH POLYACRYLAMIDE (PAM) DETAIL

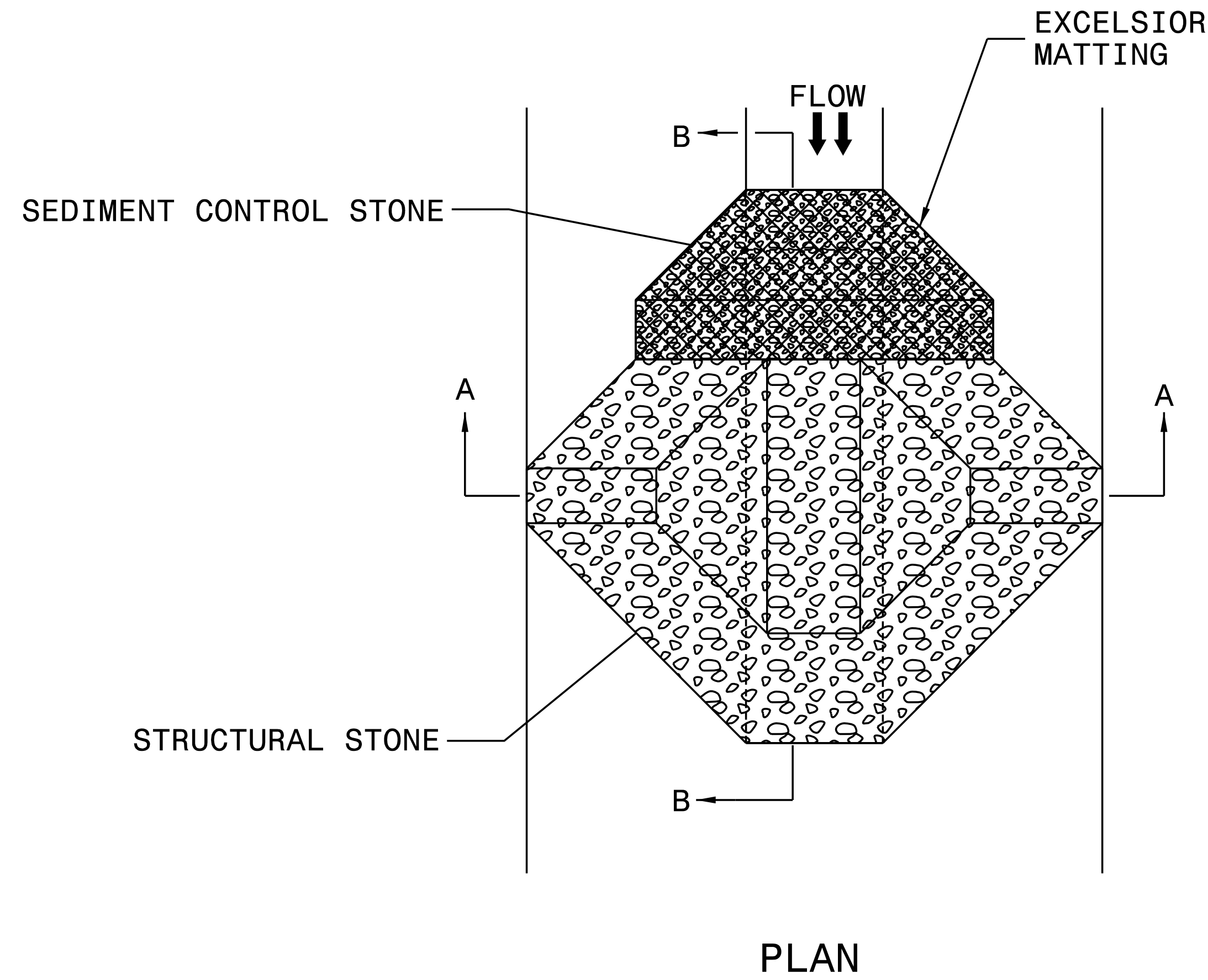
NOTES:

- 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.



PROJECT REFERENCE NO. <i>U-5818</i>	SHEET NO. <i>EC-2A</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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



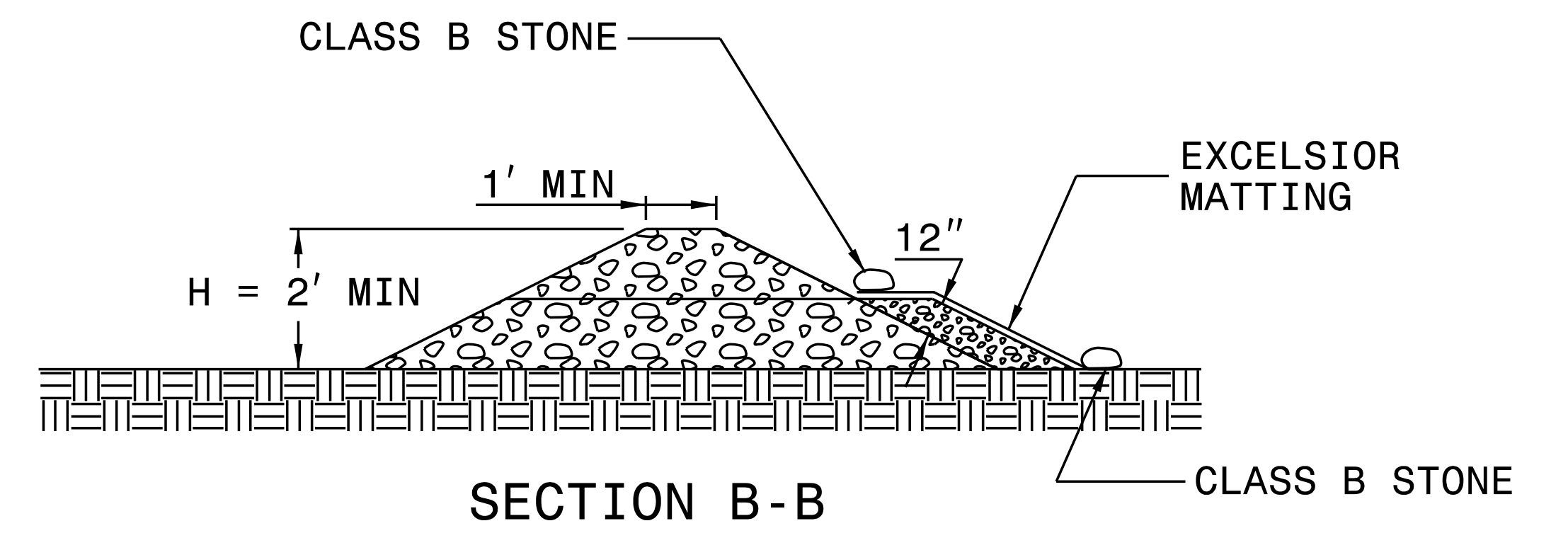
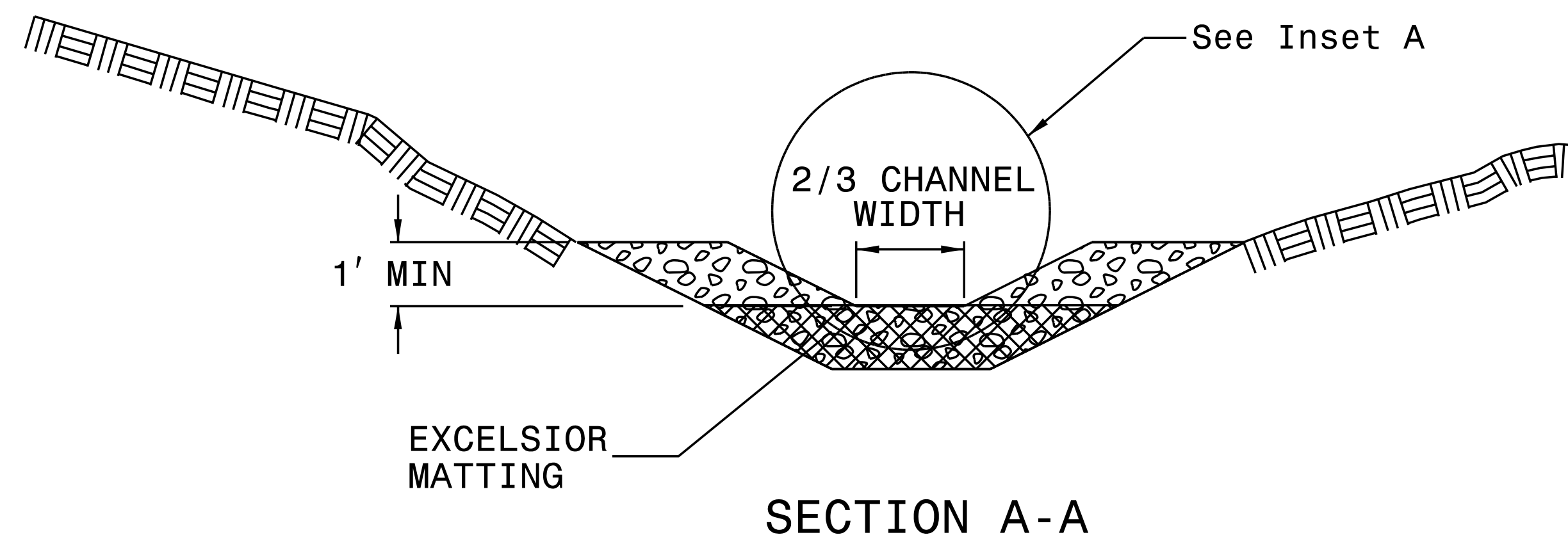
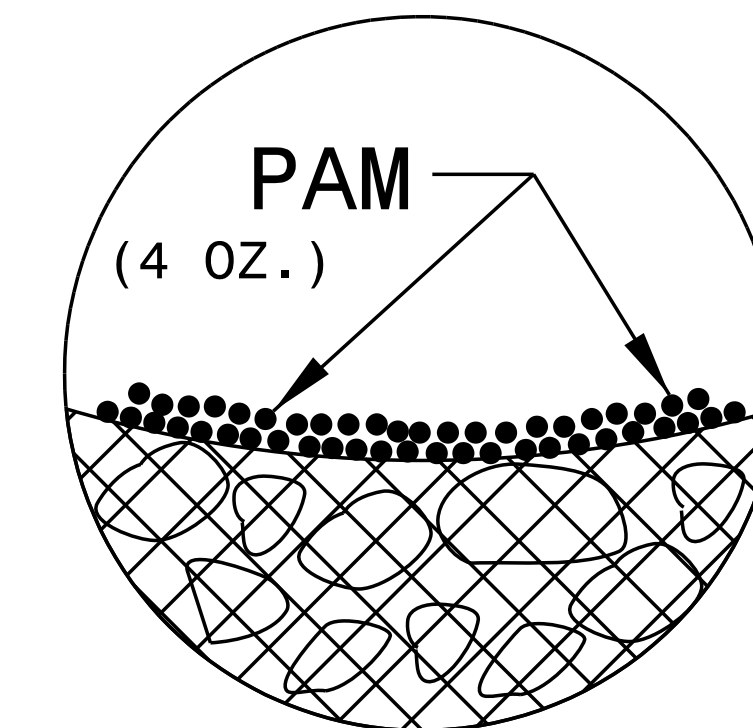
NOTES:

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.

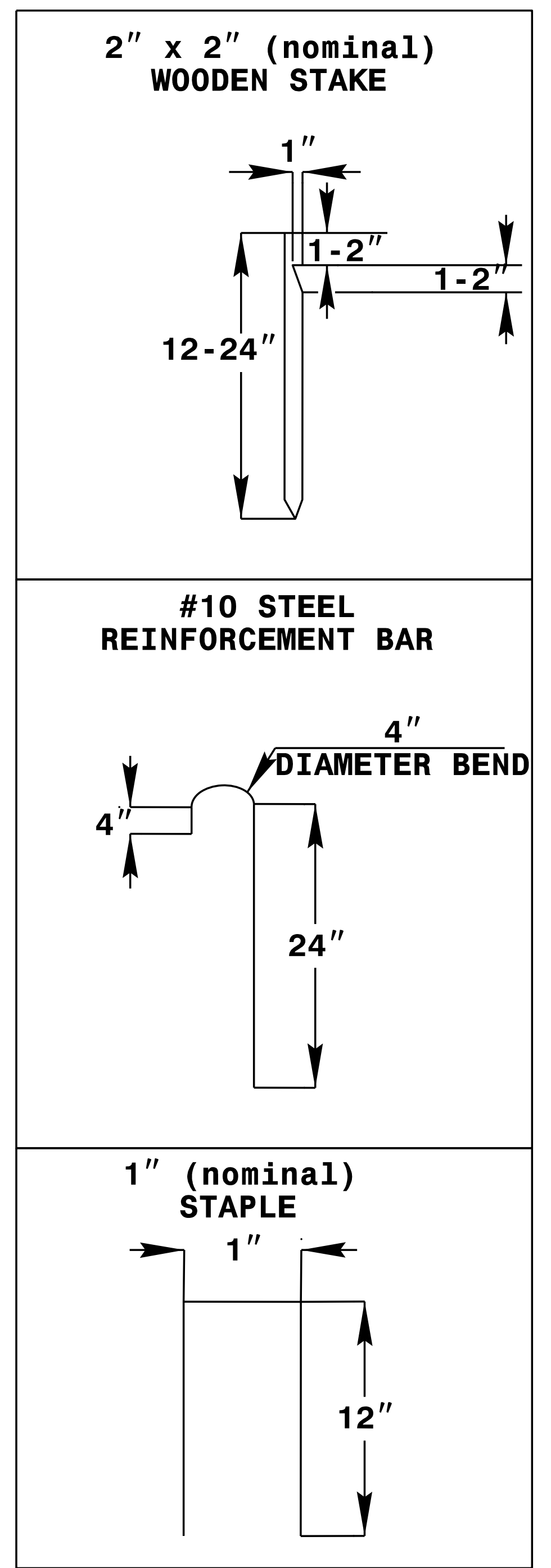
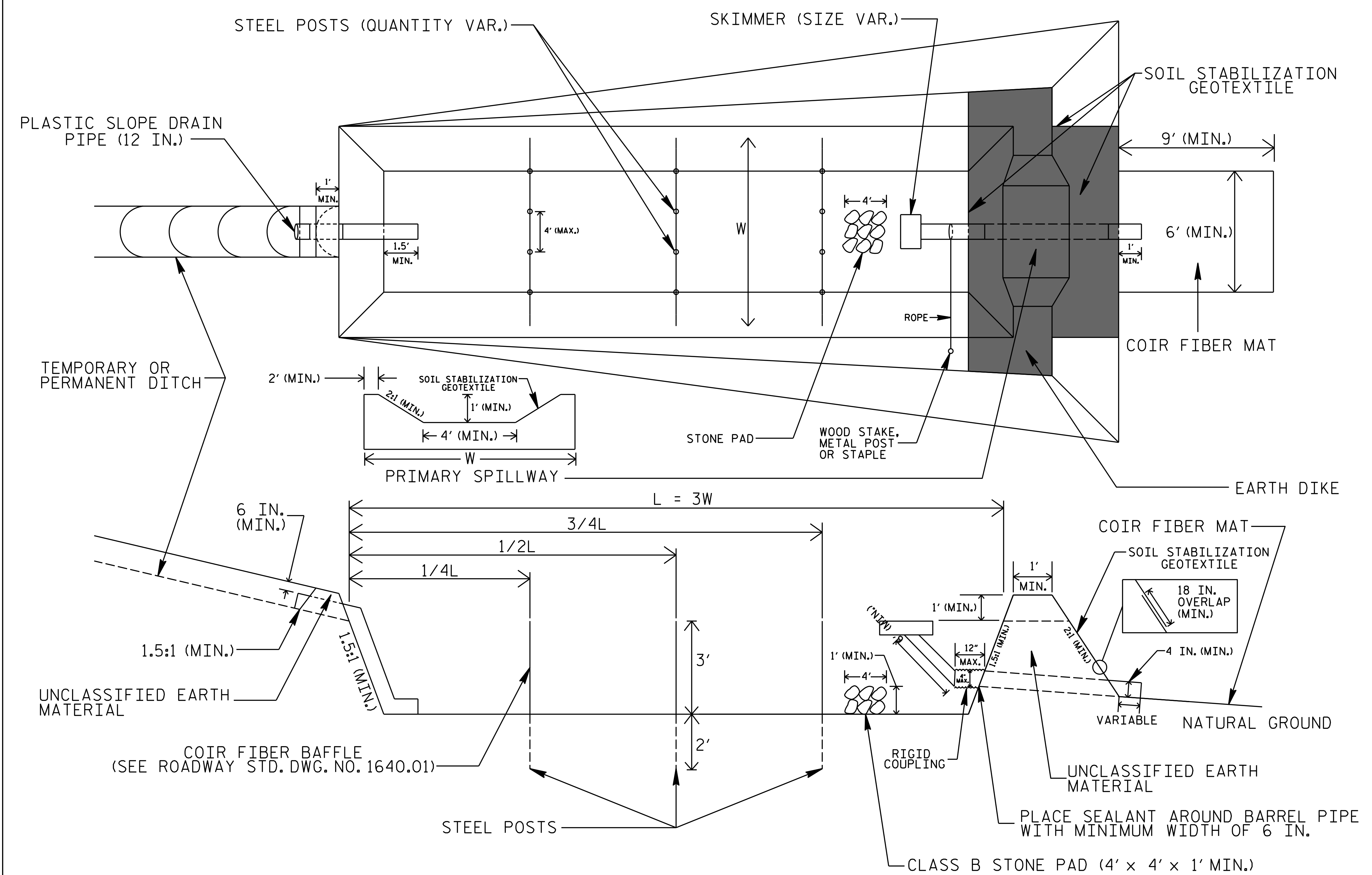
INITIALLY APPLY 4 OUNCES OF POLYACRYLAMIDE (PAM) TO TOP OF MATTING SECTION AND AFTER EVERY RAINFALL EVENT THAT EQUALS OR EXCEEDS 0.50 INCHES.



NOT TO SCALE

PROJECT REFERENCE NO. <i>U-5818</i>	SHEET NO. <i>EC-2B</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

SKIMMER BASIN WITH BAFFLES DETAIL



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. SOIL STABILIZATION GEOTEXTILE FOR PRIMARY SPILLWAY SHALL BE ONE CONTINUOUS PIECE OF MATERIAL OR OVERLAPPED 18 IN. (MIN.).

NOT TO SCALE

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

PROJECT REFERENCE NO. <i>U-5818</i>	SHEET NO. <i>EC-3</i>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

SOIL STABILIZATION SUMMARY SHEET

MATTING FOR EROSION CONTROL

PERMANENT SOIL REINFORCEMENT MAT

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
4	-RPD-	10+50	11+50	LT	25
4	-L-	17+50	19+00	RT	50
4	-RPD-	13+57	15+00	LT	60
5	-L-	24+37	25+27	RT	25
			SUBTOTAL		160
	MISCELLANEOUS MATTING TO BE INSTALLED AS DIRECTED BY THE ENGINEER				22,912
			TOTAL		23,072
			SAY		23,500

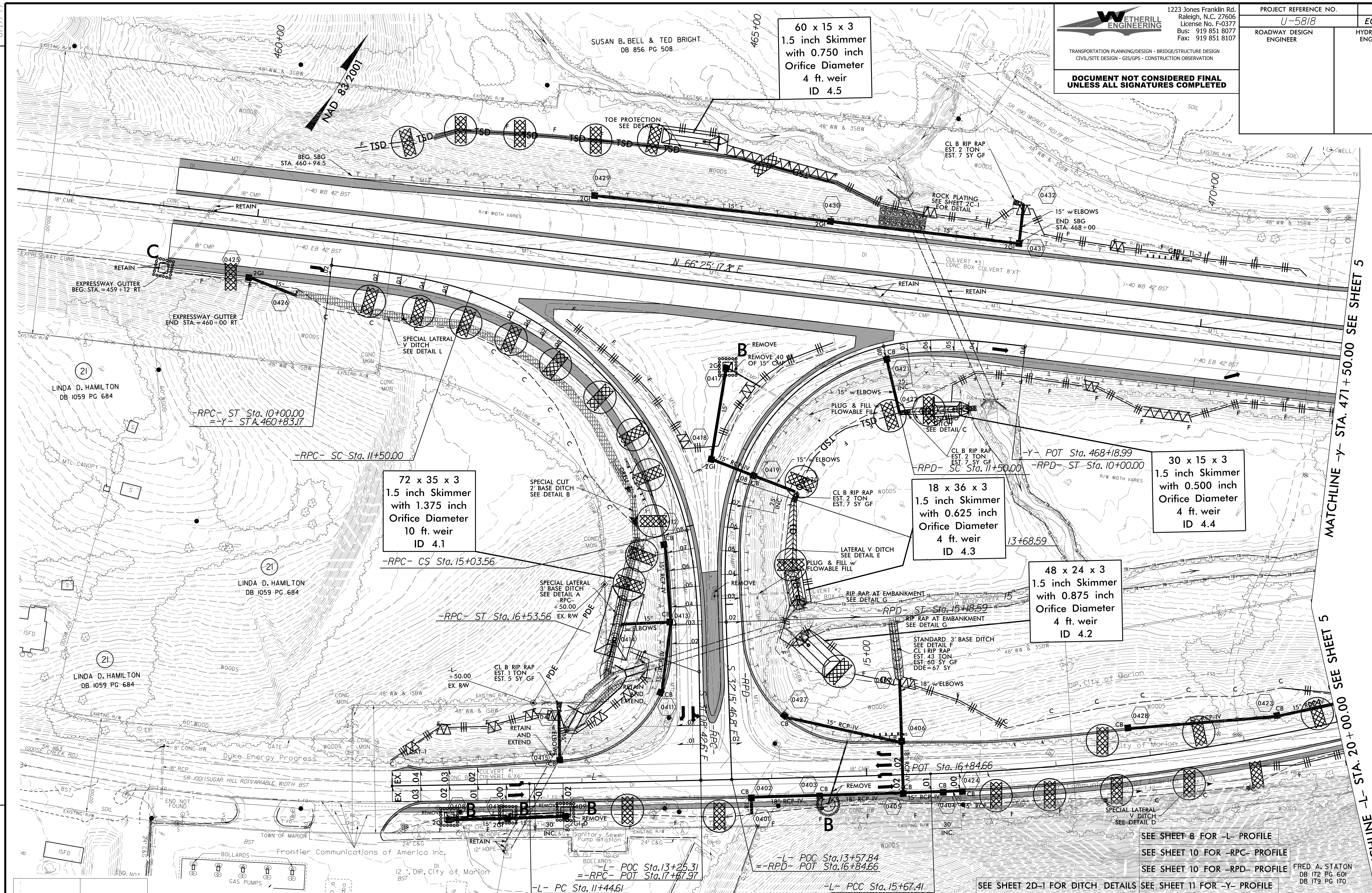
CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
4	-Y-	473+50		RT	40
6	-L- / -RPA-	35+65 L	14+20 RPA	RT	35
6	-L-	27+95	31+00	LT	120
			SUBTOTAL		195
		ADDITIONAL PERM TO BE INSTALLED			0
			TOTAL		195
			SAY		205

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

PROJECT REFERENCE NO. <i>U-5818</i>	SHEET NO. <i>EC-3A</i>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

SOIL STABILIZATION TIMEFRAMES

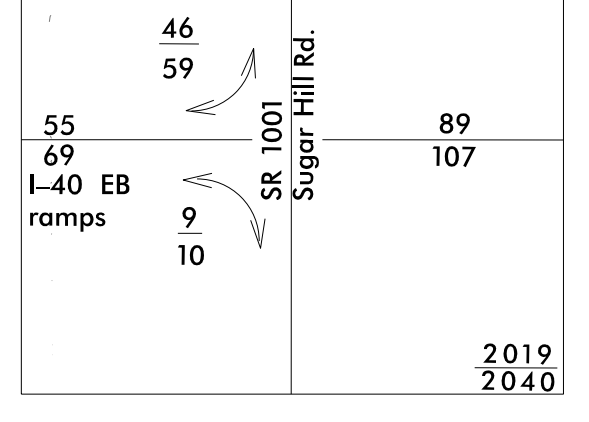
<i>SITE DESCRIPTION</i>	<i>STABILIZATION TIME</i>	<i>TIMEFRAME EXCEPTIONS</i>
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES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



REVISIONS

MATCHLINE -Y- STA. 471 + 50.00 SEE SHEET 5

MATCHLINE -L- STA. 20 + 00.00 SEE 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.

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 4

SEE SHEET 8 FOR -L- PROFILE
 SEE SHEET 10 FOR -RPC- PROFILE
 SEE SHEET 10 FOR -RPD- PROFILE
 SEE SHEET 2D-1 FOR DITCH DETAILS
 SEE SHEET 11 FOR -Y- PROFILE

FRED A. STATION
 DB 173 PG 60
 DB 173 PG 170

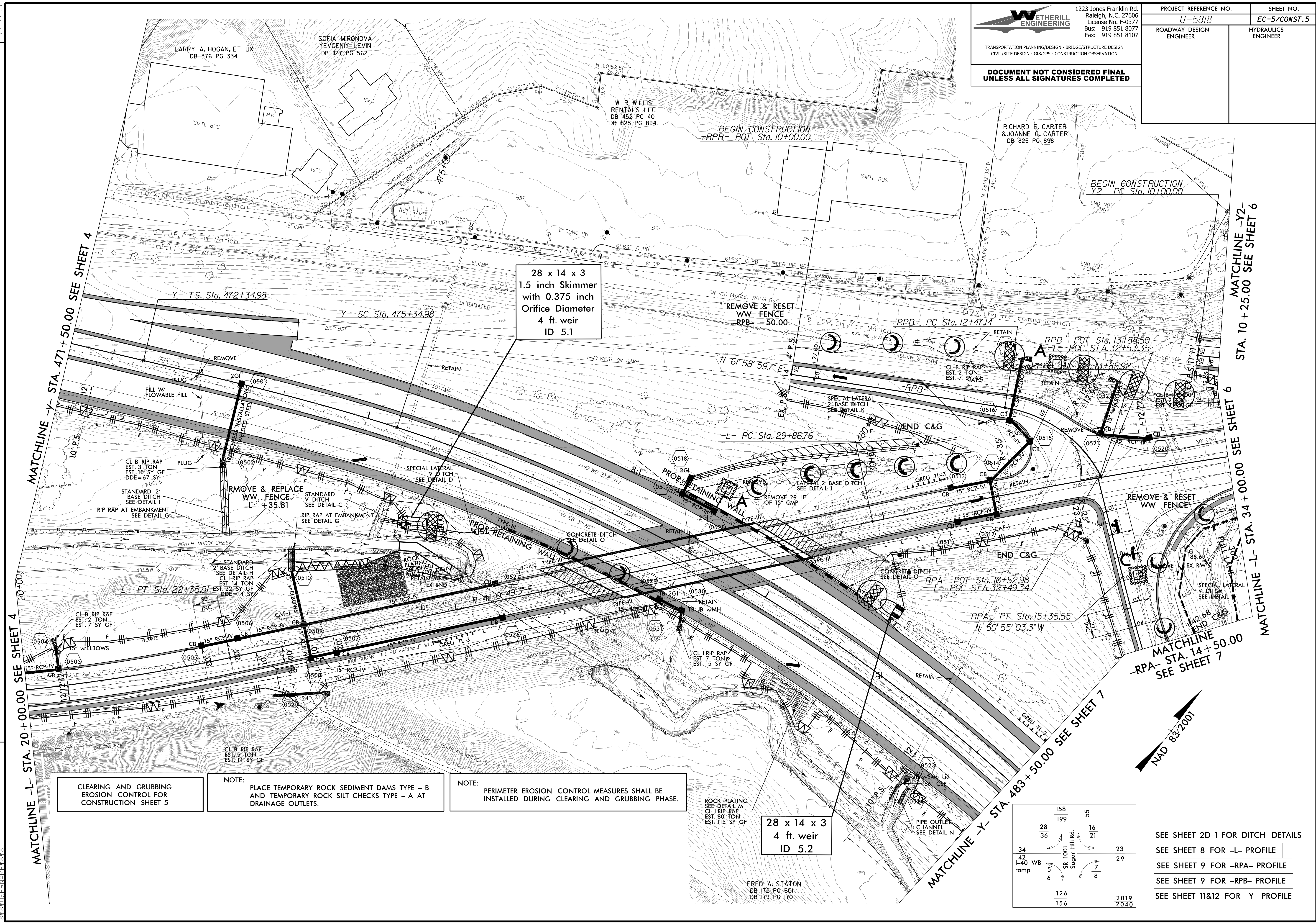
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WETHERILL ENGINEERING
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 Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**

PROJECT REFERENCE NO. U-5818	SHEET NO. EC-5/CONST. 5
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCHLINE -L- STA. 20+00.00 SEE SHEET 4

MATCHLINE -Y- STA. 471+50.00 SEE SHEET 4

MATCHLINE -Y2- STA. 10+25.00 SEE SHEET 6

MATCHLINE -L- STA. 34+00.00 SEE SHEET 6

MATCHLINE -RPA- STA. 14+50.00 SEE SHEET 7

MATCHLINE -Y- STA. 483+50.00 SEE SHEET 7

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 5

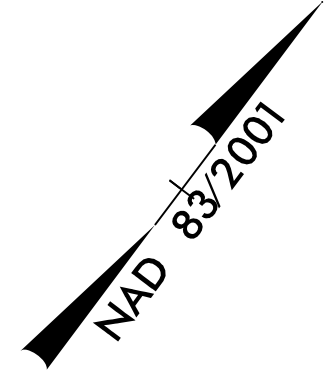
NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

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

28 x 14 x 3
4 ft. weir
ID 5.2

158	55
199	16
28	21
36	23
34	29
42	7
I-40 WB ramp	8
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6	
126	2019
156	2040

- SEE SHEET 2D-1 FOR DITCH DETAILS
- SEE SHEET 8 FOR -L- PROFILE
- SEE SHEET 9 FOR -RPA- PROFILE
- SEE SHEET 9 FOR -RPB- PROFILE
- SEE SHEET 11&12 FOR -Y- PROFILE



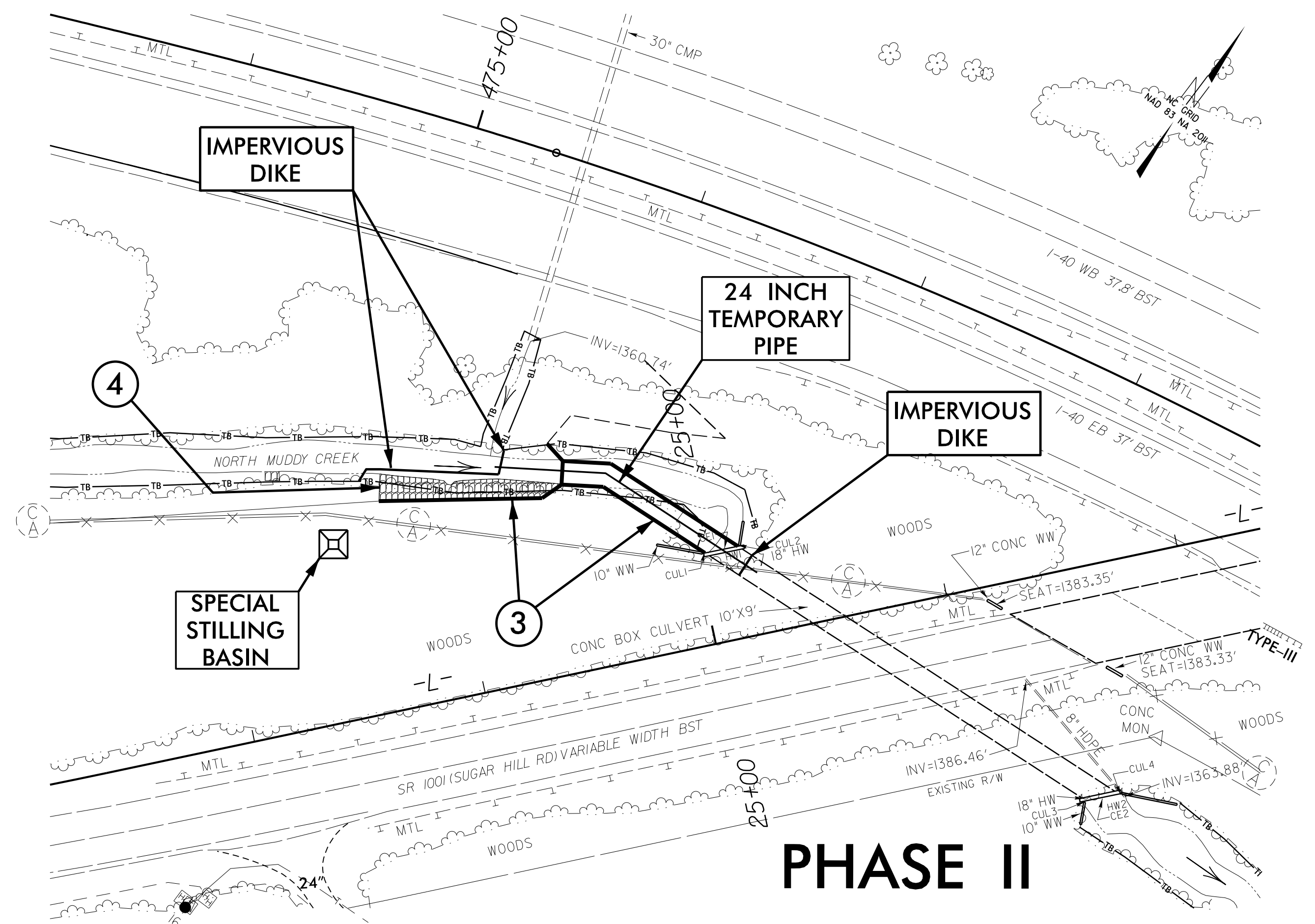
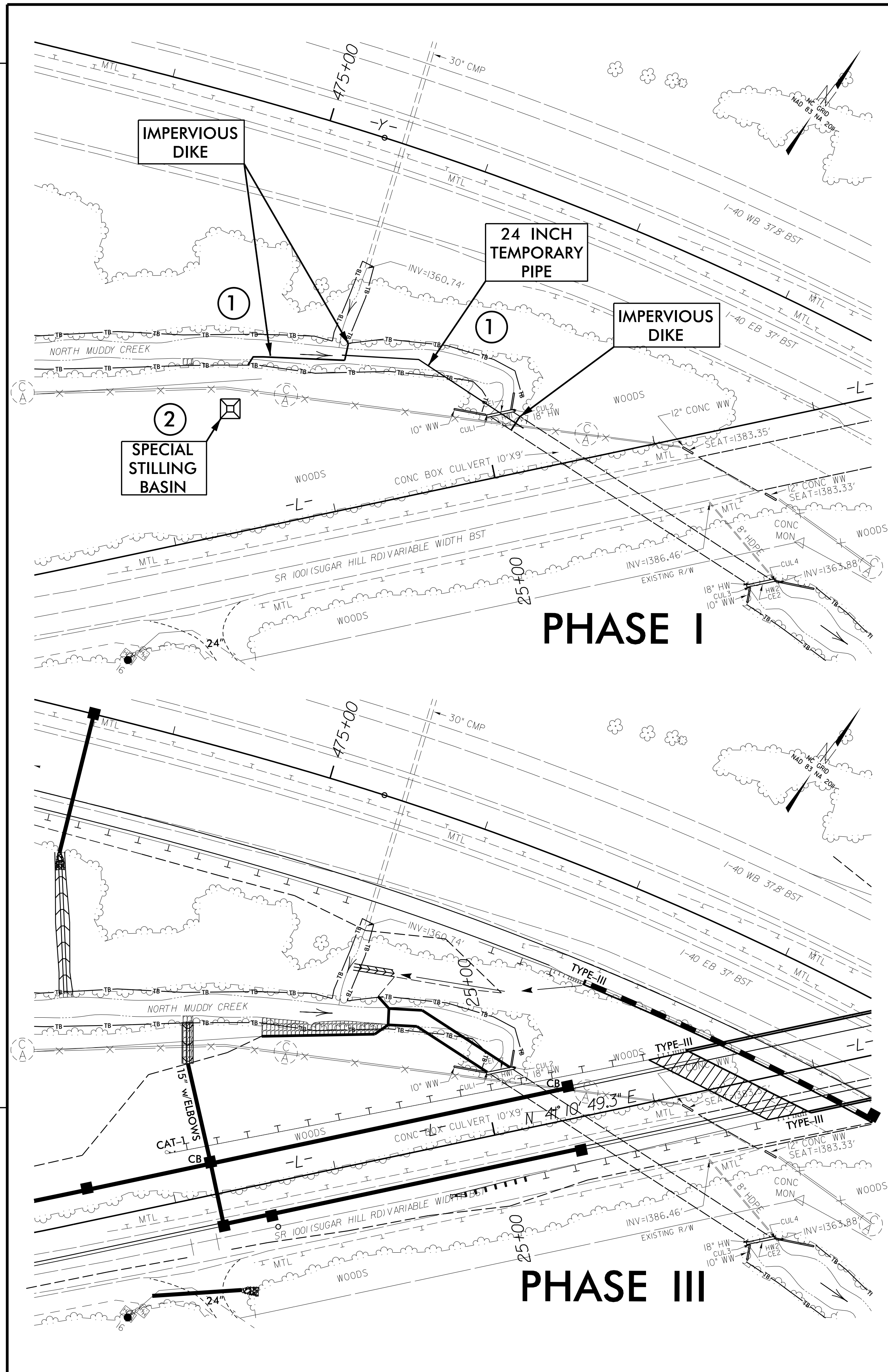
REVISIONS

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- PHASE I**
 INSTALL EROSION CONTROL C&G PHASE MEASURES FOR THIS SITE PRIOR TO COMMENCING CULVERT WORK. (NOT SHOWN FOR CLARITY).
1. INSTALL IMPERVIOUS DIKES UPSTREAM OF SITE AND INSIDE EXISTING BOX CULVERT AS SHOWN (5 FT INSIDE CULVERT OR AS NEEDED FOR CONSTRUCTION). MAINTAIN FLOW THROUGH THE CULVERT WITH A 24" TEMPORARY PIPE.
 2. INSTALL SPECIAL STILLING BASINS AS NEEDED FOR DEWATERING OF PROJECT SITE.
- PHASE II**
3. CONSTRUCT CULVERT EXTENSION AND WINGWALLS.
 4. INSTALL EMBANKMENT RIPRAP.
- PHASE III**
5. REMOVE TEMPORARY 24" PIPE AND IMPERVIOUS DIKES. FINISH ROADWAY WORK AND OTHER PROPOSED DRAINAGE FEATURES.

SEE SHEET 2D-1 FOR DITCH DETAILS
 SEE SHEET 8 FOR -L- PROFILE
 SEE SHEET 9 FOR -RPA- PROFILE
 SEE SHEET 9 FOR -RPB- PROFILE
 SEE SHEET 11&12 FOR -Y- PROFILE

REVISIONS

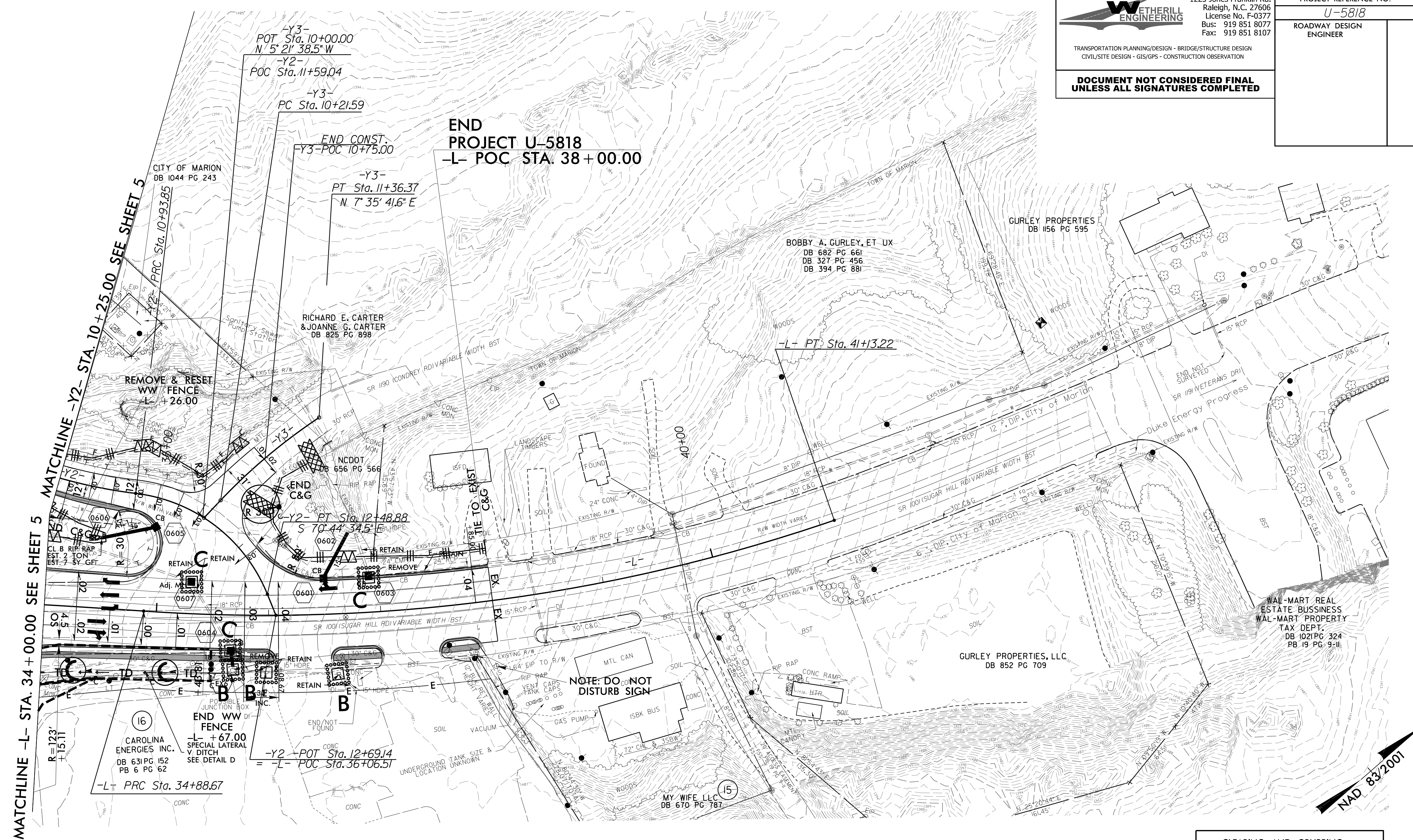
8/17/99

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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

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PROJECT REFERENCE NO.	SHEET NO.
U-5818	EC-6/CONST. 6
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



REVISIONS

CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 6

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 2D-1 FOR DITCH DETAILS
 SEE SHEET 8&9 FOR -L- PROFILE
 SEE SHEET 10 FOR -Y2- PROFILE
 SEE SHEET 10 FOR -Y3- PROFILE

16
 CAROLINA ENERGETICS INC.
 DB 631 PG 152
 PB 6 PG 62

15
 MY WIFE LLC
 DB 670 PG 787

8.17.99

WETHERILL ENGINEERING
1223 Jones Franklin Rd.
Raleigh, N.C. 27606
License No. F-0377
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Fax: 919 851 8107

PROJECT REFERENCE NO. <i>U-5818</i>	SHEET NO. <i>EC-7/CONST.7</i>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

TRANSPORTATION PLANNING/DESIGN • BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN • GIS/GPS • CONSTRUCTION OBSERVATION

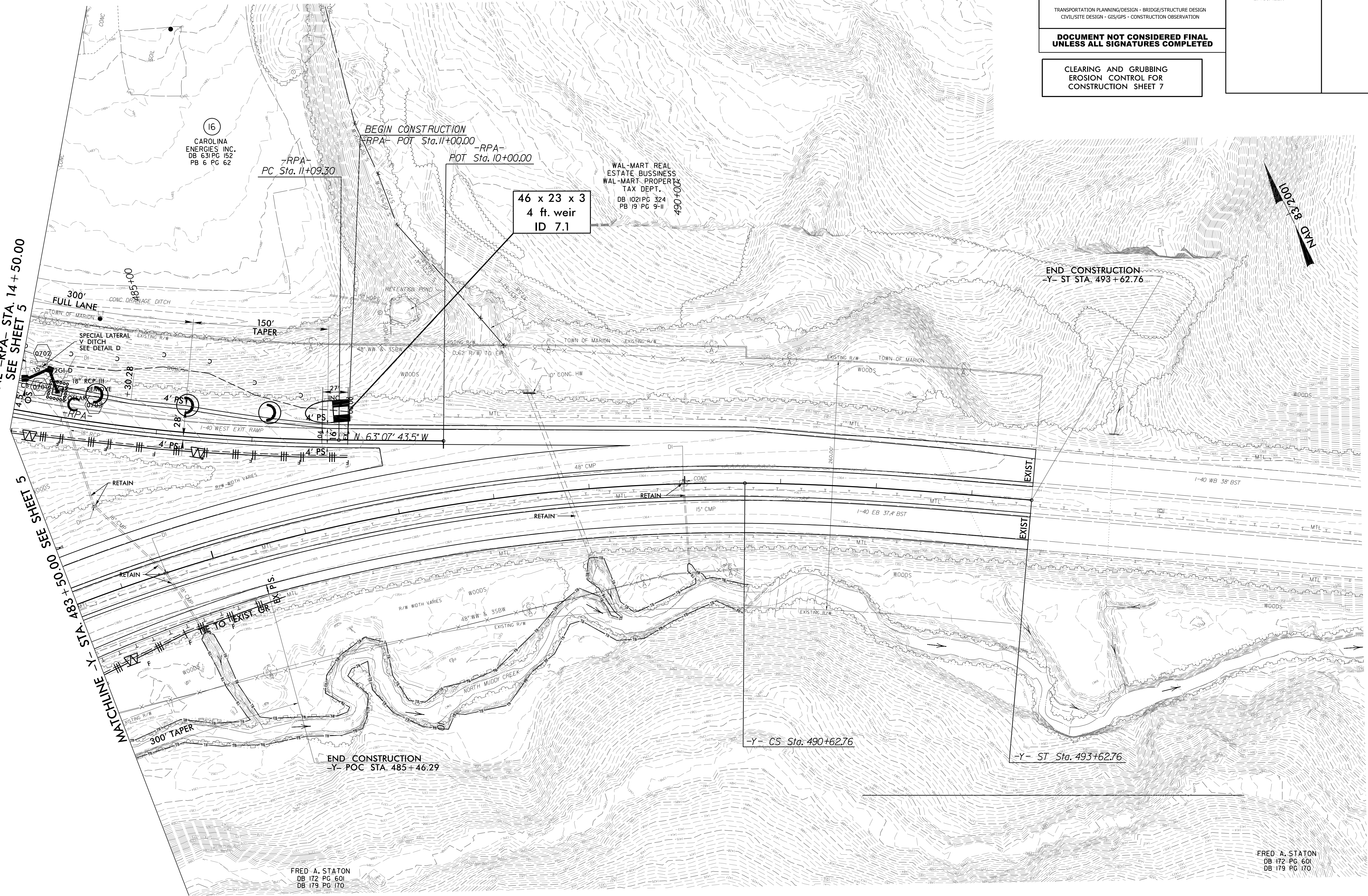
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UNLESS ALL SIGNATURES COMPLETED**

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 7

REVISIONS

MATCHLINE -RPA- STA. 14+50.00
SEE SHEET 5

MATCHLINE -Y- STA. 483+50.00 SEE SHEET 5



(16)
CAROLINA
ENERGIES INC.
DB 631 PG 152
PB 6 PG 62

WAL-MART REAL
ESTATE BUSINESS
WAL-MART PROPERTY
TAX DEPT.
DB 1021 PG 324
PB 19 PG 9-11

46 x 23 x 3
4 ft. weir
ID 7.1

FRED A. STATON
DB 172 PG 601
DB 179 PG 170

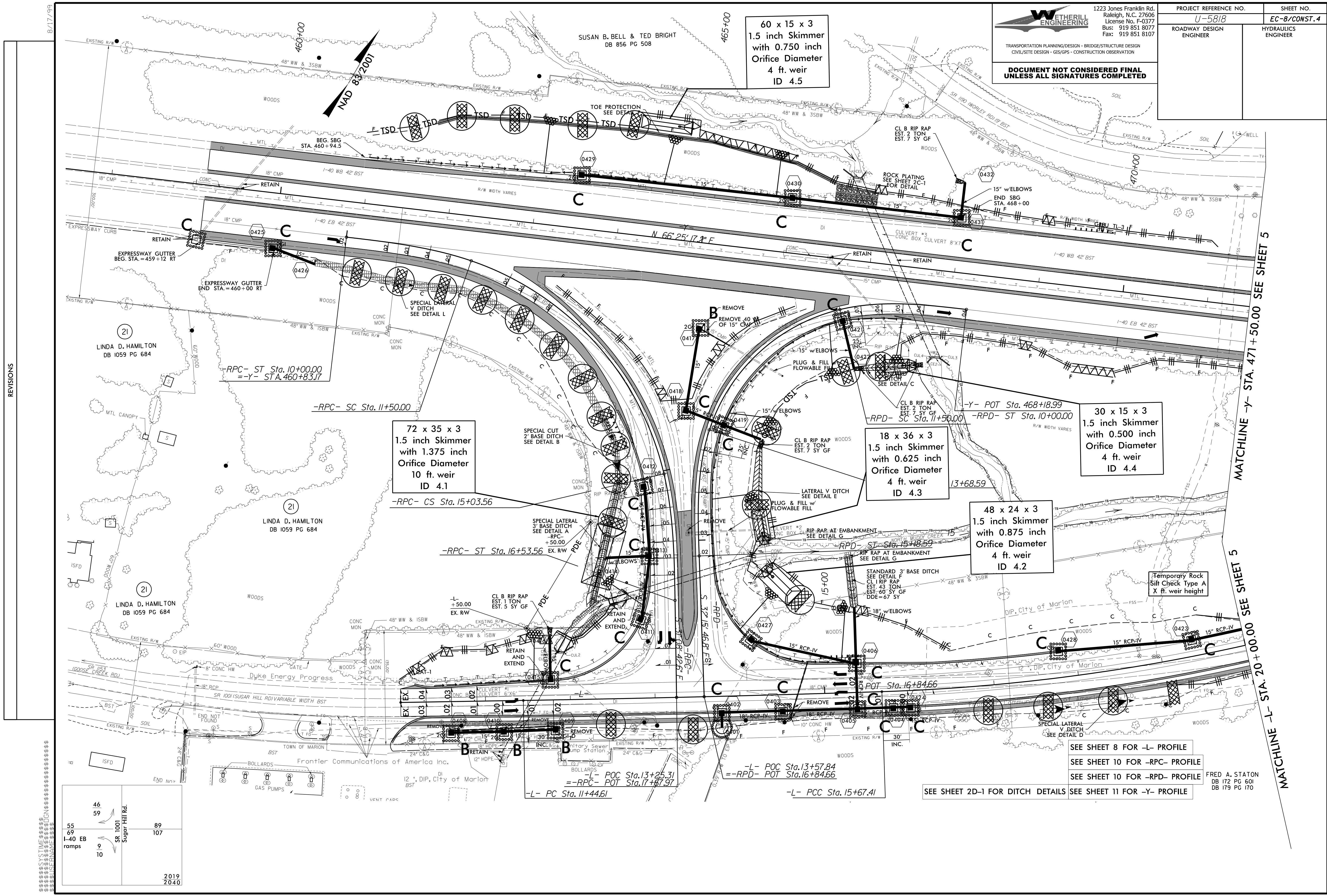
FRED A. STATON
DB 172 PG 601
DB 179 PG 170

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.

SEE SHEET 2D-1 FOR DITCH DETAILS
SEE SHEET 9 FOR -RPA- PROFILE
SEE SHEET 12 FOR -Y- PROFILE

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REVISIONS

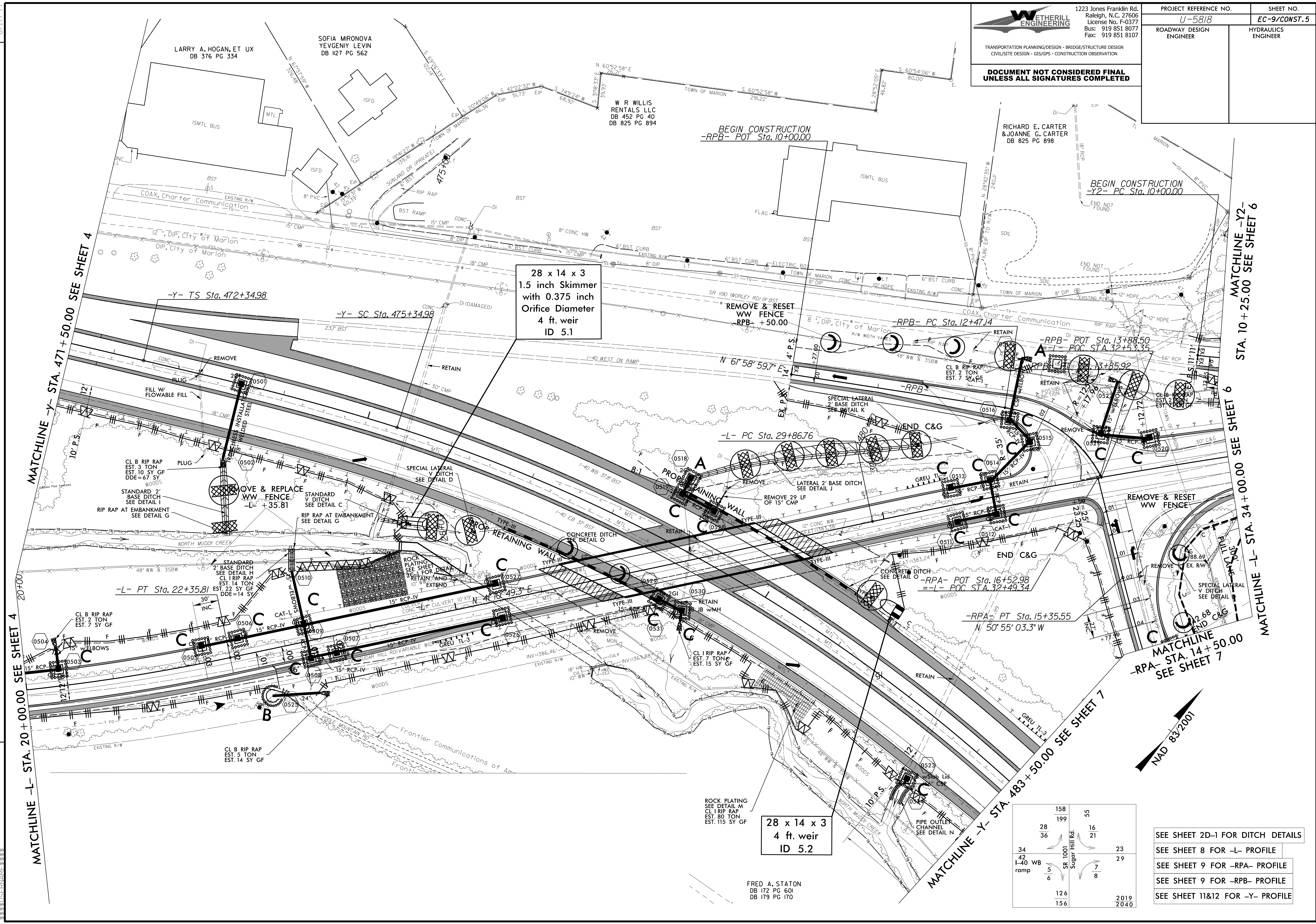
MATCHLINE -Y- STA. 471+50.00 SEE SHEET 5

MATCHLINE -L- STA. 20+00.00 SEE SHEET 5

46	59	89
55	69	107
9	10	
SR 1001 Sugar Hill Rd.		
2019		
2040		

SEE SHEET 8 FOR -L- PROFILE
 SEE SHEET 10 FOR -RPC- PROFILE
 SEE SHEET 10 FOR -RPD- PROFILE
 SEE SHEET 2D-1 FOR DITCH DETAILS
 SEE SHEET 11 FOR -Y- PROFILE

FRED A. STATION
 DB 172 PG 60
 DB 179 PG 170



REVISIONS

MATCHLINE -L- STA. 20+00.00 SEE SHEET 4

MATCHLINE -Y- STA. 471+50.00 SEE SHEET 4

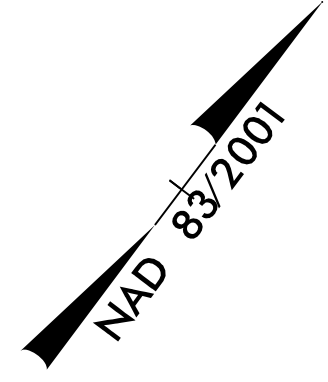
MATCHLINE -L- STA. 14+50.00 SEE SHEET 7

MATCHLINE -Y- STA. 483+50.00 SEE SHEET 7

MATCHLINE -Y2- STA. 10+25.00 SEE SHEET 6

MATCHLINE -L- STA. 34+00.00 SEE SHEET 6

8.17.799



34	158	55
42	199	16
5	36	21
6	5	7
	SR 1001	8
	Sugar Hill Rd.	
	126	2019
	156	2040

SEE SHEET 2D-1 FOR DITCH DETAILS
 SEE SHEET 8 FOR -L- PROFILE
 SEE SHEET 9 FOR -RPA- PROFILE
 SEE SHEET 9 FOR -RPB- PROFILE
 SEE SHEET 11&12 FOR -Y- PROFILE

**28 x 14 x 3
 4 ft. weir
 ID 5.2**

**28 x 14 x 3
 1.5 inch Skimmer
 with 0.375 inch
 Orifice Diameter
 4 ft. weir
 ID 5.1**

FRED A. STATON
 DB 172 PG 601
 DB 179 PG 170

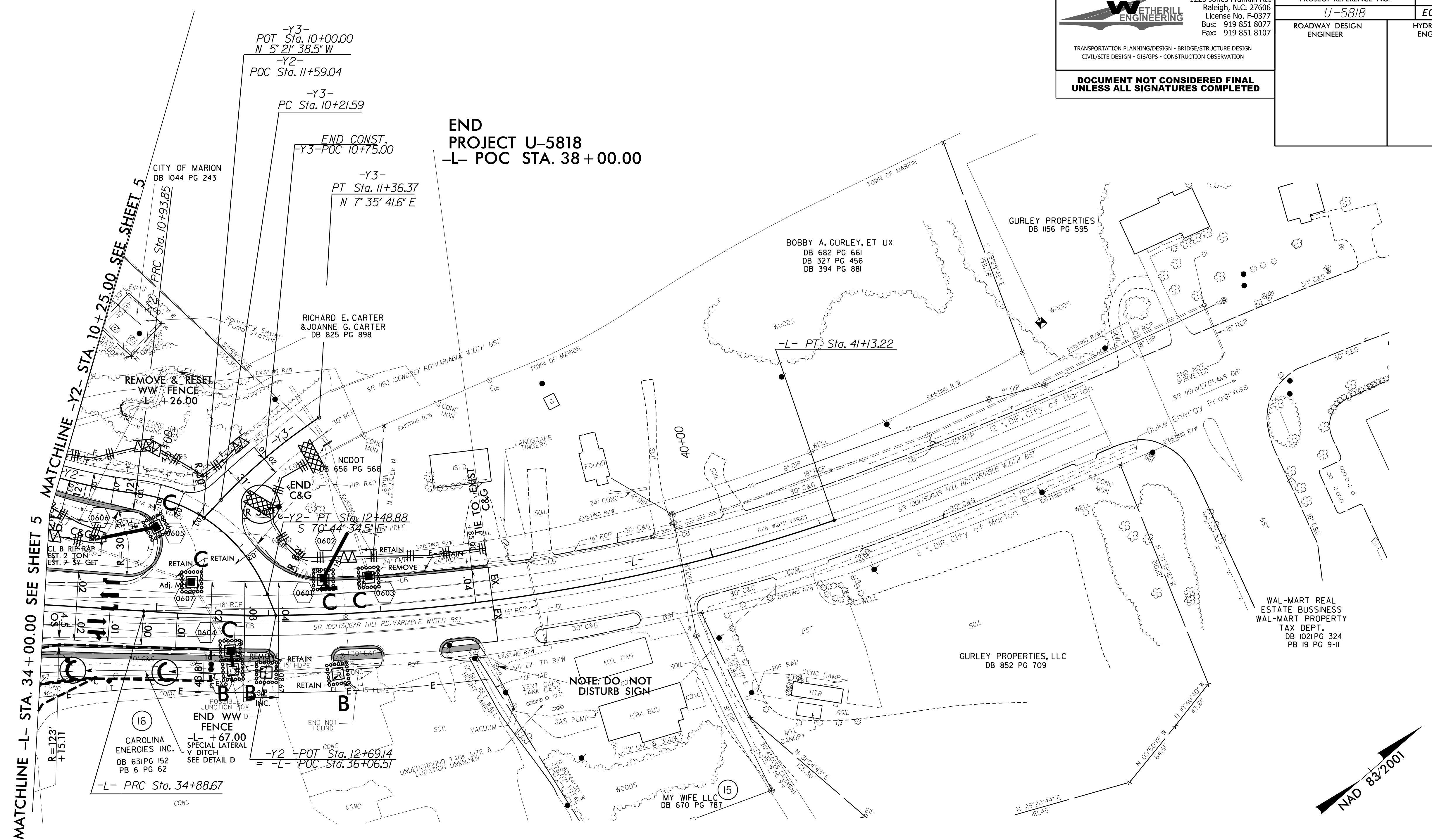
8/17/99

WETHERILL ENGINEERING
 1223 Jones Franklin Rd.
 Raleigh, N.C. 27606
 License No. F-0377
 Bus: 919 851 8077
 Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**

PROJECT REFERENCE NO.	SHEET NO.
U-5818	EC-10/CONST. 6
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



REVISIONS

16
 CAROLINA ENERGIES INC.
 DB 631 PG 152
 PB 6 PG 62

15
 MY WIFE LLC
 DB 670 PG 787

SEE SHEET 2D-1 FOR DITCH DETAILS
 SEE SHEET 8&9 FOR -L- PROFILE
 SEE SHEET 10 FOR -Y2- PROFILE
 SEE SHEET 10 FOR -Y3- PROFILE

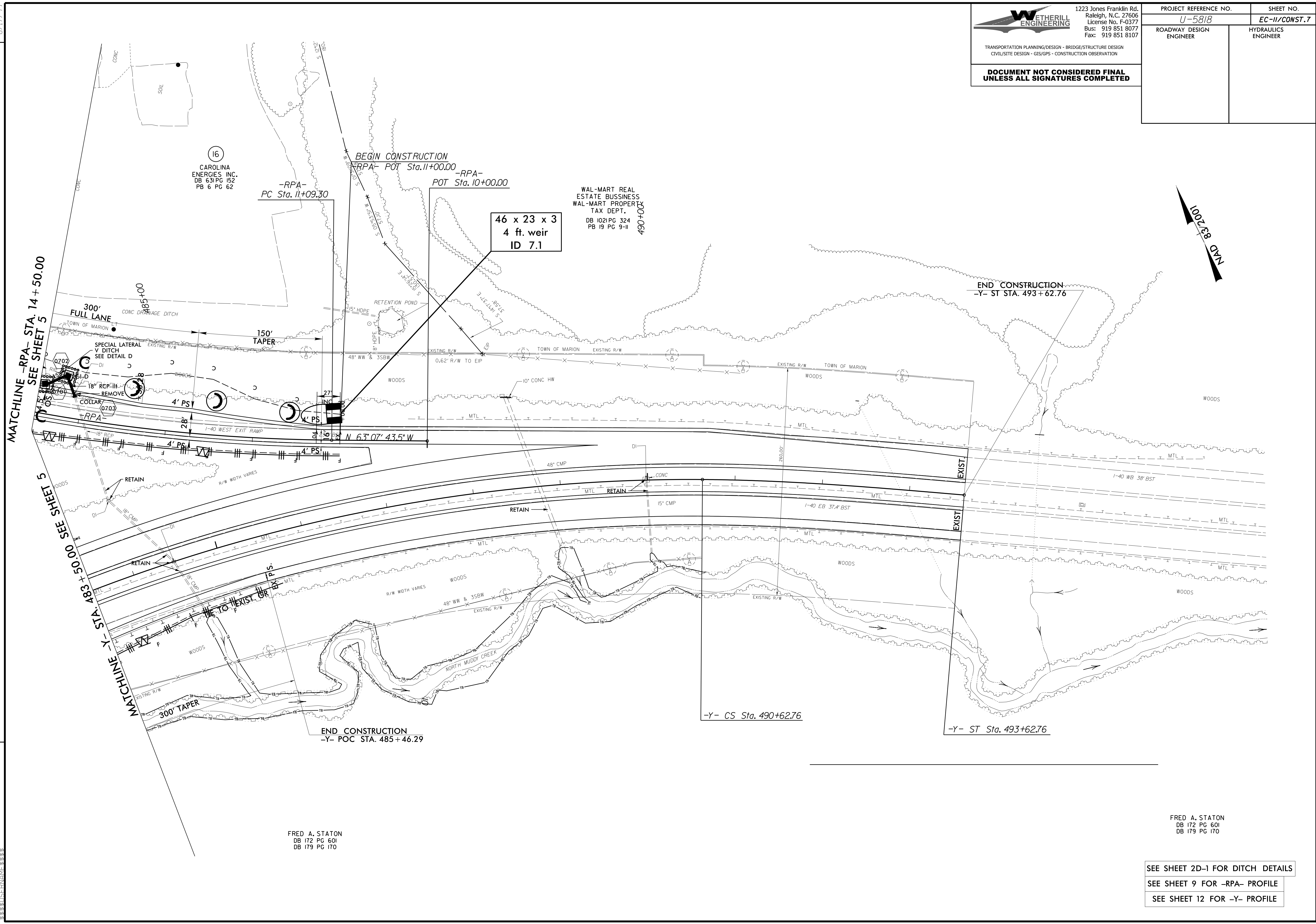
WETHERILL ENGINEERING
 1223 Jones Franklin Rd.
 Raleigh, N.C. 27606
 License No. F-0377
 Bus: 919 851 8077
 Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN • BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**

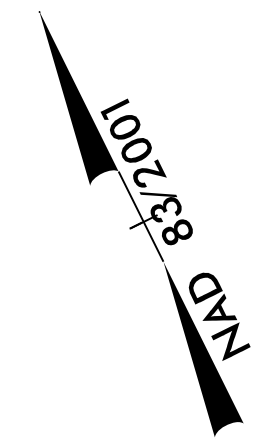
PROJECT REFERENCE NO. <i>U-5818</i>	SHEET NO. <i>EC-II/CONST.7</i>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

8.17.99



(16)
 CAROLINA ENERGIES INC.
 DB 631 PG 152
 PB 6 PG 62

WAL-MART REAL ESTATE BUSSINESS
 WAL-MART PROPERTY TAX DEPT.
 DB 1021 PG 324
 PB 19 PG 9-II
 490+00



REVISIONS

MATCHLINE -RPA- STA. 14+50.00
 SEE SHEET 5

MATCHLINE -Y- STA. 483+50.00
 SEE SHEET 5

BEGIN CONSTRUCTION
 -RPA- POT Sta. 11+00.00
 -RPA- POT Sta. 10+00.00

END CONSTRUCTION
 -Y- ST STA. 493+62.76

END CONSTRUCTION
 -Y- POC STA. 485+46.29

-Y- CS Sta. 490+62.76

-Y- ST Sta. 493+62.76

FRED A. STATON
 DB 172 PG 601
 DB 179 PG 170

FRED A. STATON
 DB 172 PG 601
 DB 179 PG 170

SEE SHEET 2D-1 FOR DITCH DETAILS
 SEE SHEET 9 FOR -RPA- PROFILE
 SEE SHEET 12 FOR -Y- PROFILE