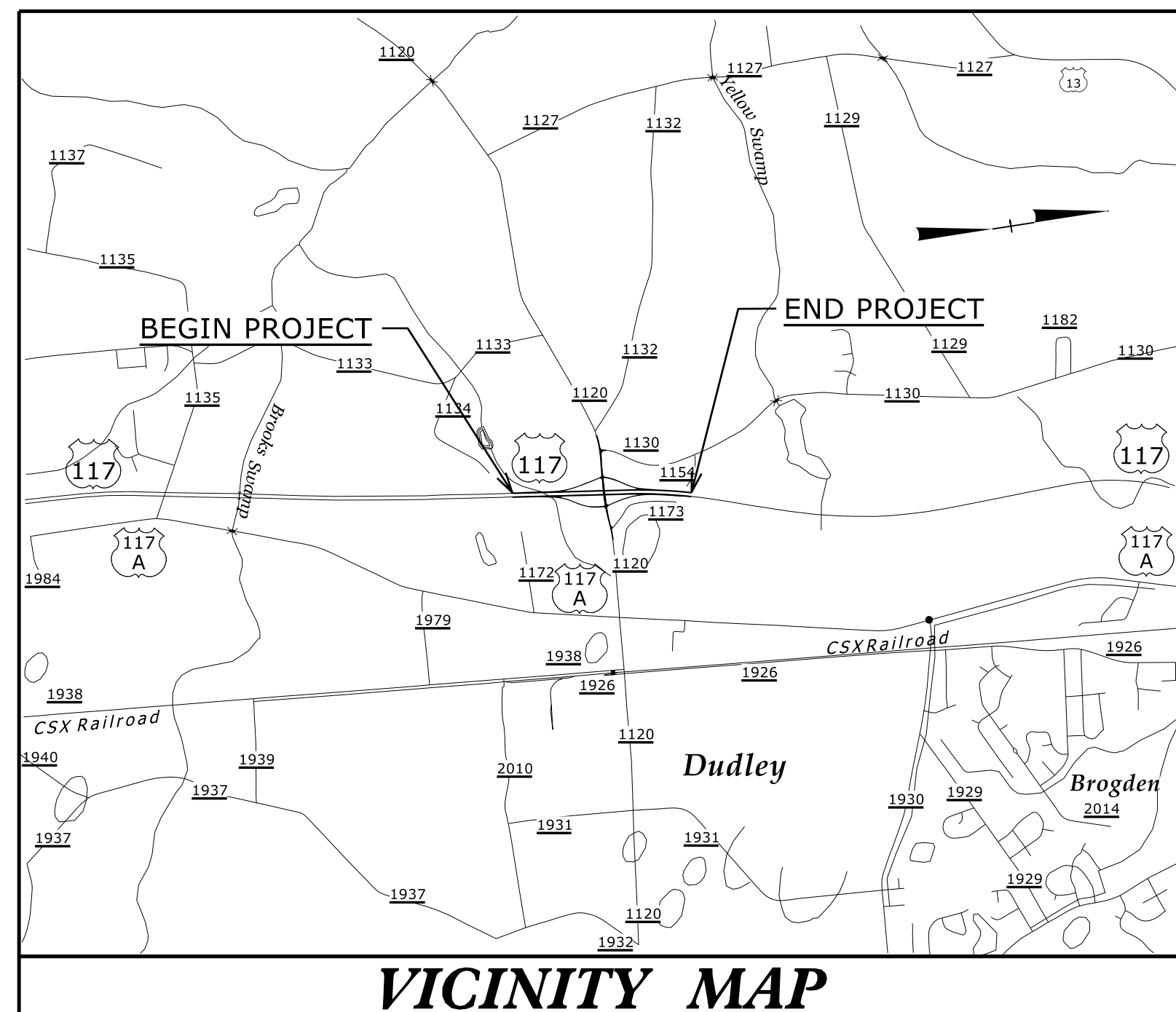


**This electronic collection of documents is provided
for the convenience of the user
and is Not a Certified Document –**

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

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

TIP PROJECT: U-5796

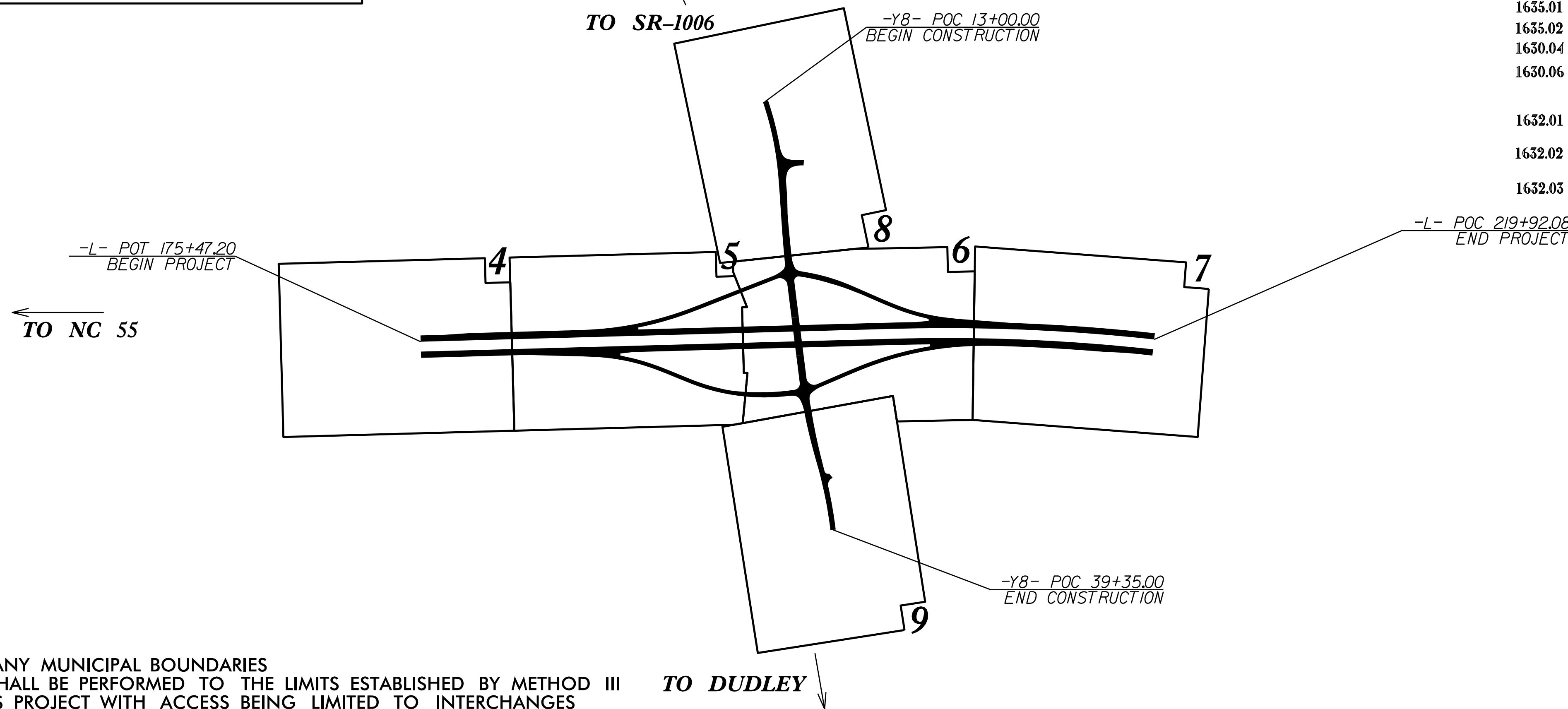


VICINITY MAP

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

WAYNE COUNTY

LOCATION: US-117 & SR-1120 INTERCHANGE
TYPE OF WORK: GRADING, DRAINAGE, PAVING, AND STRUCTURE.



THIS PROJECT IS NOT WITHIN ANY MUNICIPAL BOUNDARIES
CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III
THIS IS A CONTROLLED ACCESS PROJECT WITH ACCESS BEING LIMITED TO INTERCHANGES

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-5796	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
54039.1.FD1	NHP-0117(32)	PE	
54039.3.1		CONST	

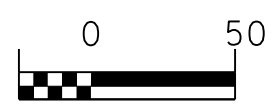
EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1630.03	Temporary Silt Ditch	TSO
1630.05	Temporary Diversion	TD
1605.01	Temporary Silt Fence	III III III
1606.01	Special Sediment Control Fence	△△△△△
1622.01	Temporary Berms and Slope Drains	— — — — — — — — — —
1650.02	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	U
1635.02	Rock Pipe Inlet Sediment Trap Type-B	U
1630.04	Stilling Basin	▭
1630.06	Special Stilling Basin	▭
	Rock Inlet Sediment Trap:	
1632.01	Type A	A
1632.02	Type B	B
1632.03	Type C	C
	Skimmer Basin	▭
	Tiered Skimmer Basin	▭
	Infiltration Basin	▭

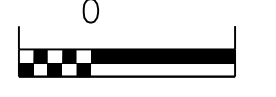
THIS PROJECT CONTAINS
EROSION CONTROL PLANS
FOR CLEARING AND
GRUBBING PHASE OF
CONSTRUCTION.

THIS PROJECT HAS
BEEN DESIGNED TO
SENSITIVE WATERSHED
STANDARDS.

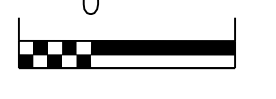
GRAPHIC SCALE



PLANS



PROFILE (HORIZONTAL)



PROFILE (VERTICAL)

THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH THE REGULATIONS SET FORTH BY THE NCG-010000 GENERAL CONSTRUCTION PERMIT EFFECTIVE AUGUST 3, 2011 AND ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES DIVISION OF WATER RESOURCES.

Prepared in the Office of:
WETHERILL ENGINEERING INC.
1223 JONES FRANKLIN RD.
RALEIGH, NC 27606

Designed by:
Jim Davis, PE 3554
NAME LEVEL III CERTIFICATION NO.

Reviewed in the Office of:
ROADSIDE ENVIRONMENTAL UNIT
1 South Wilmington St.
Raleigh, NC 27611
2012 STANDARD SPECIFICATIONS

Reviewed by:
Jeff Walston, PE

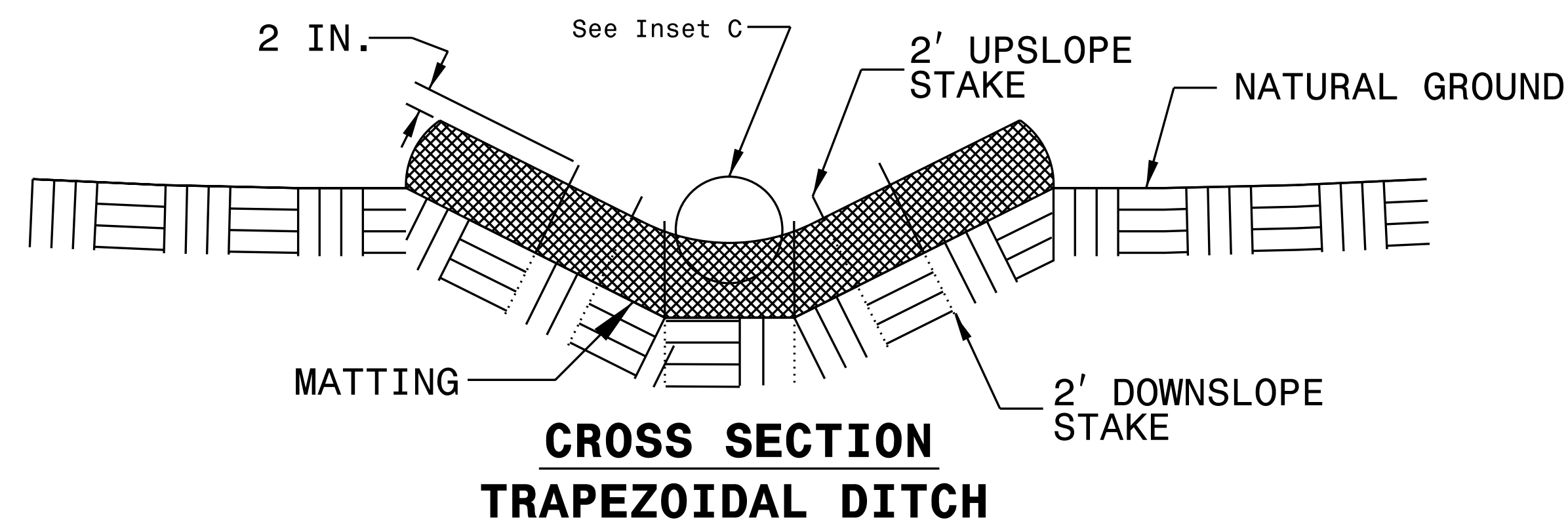
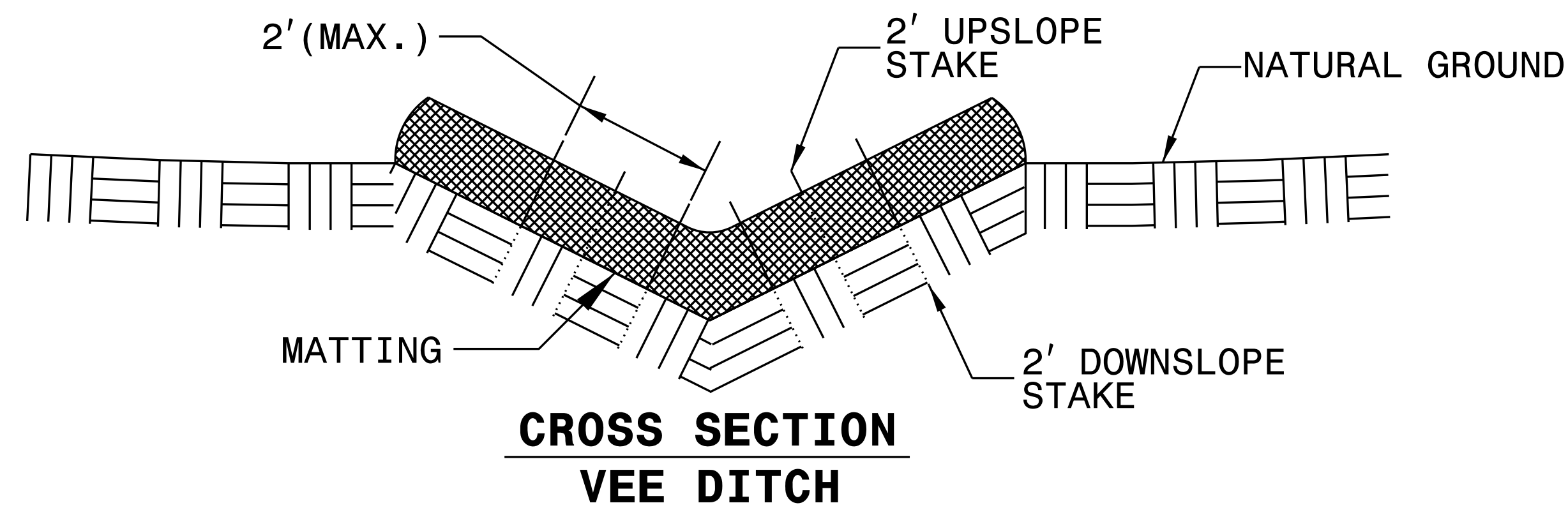
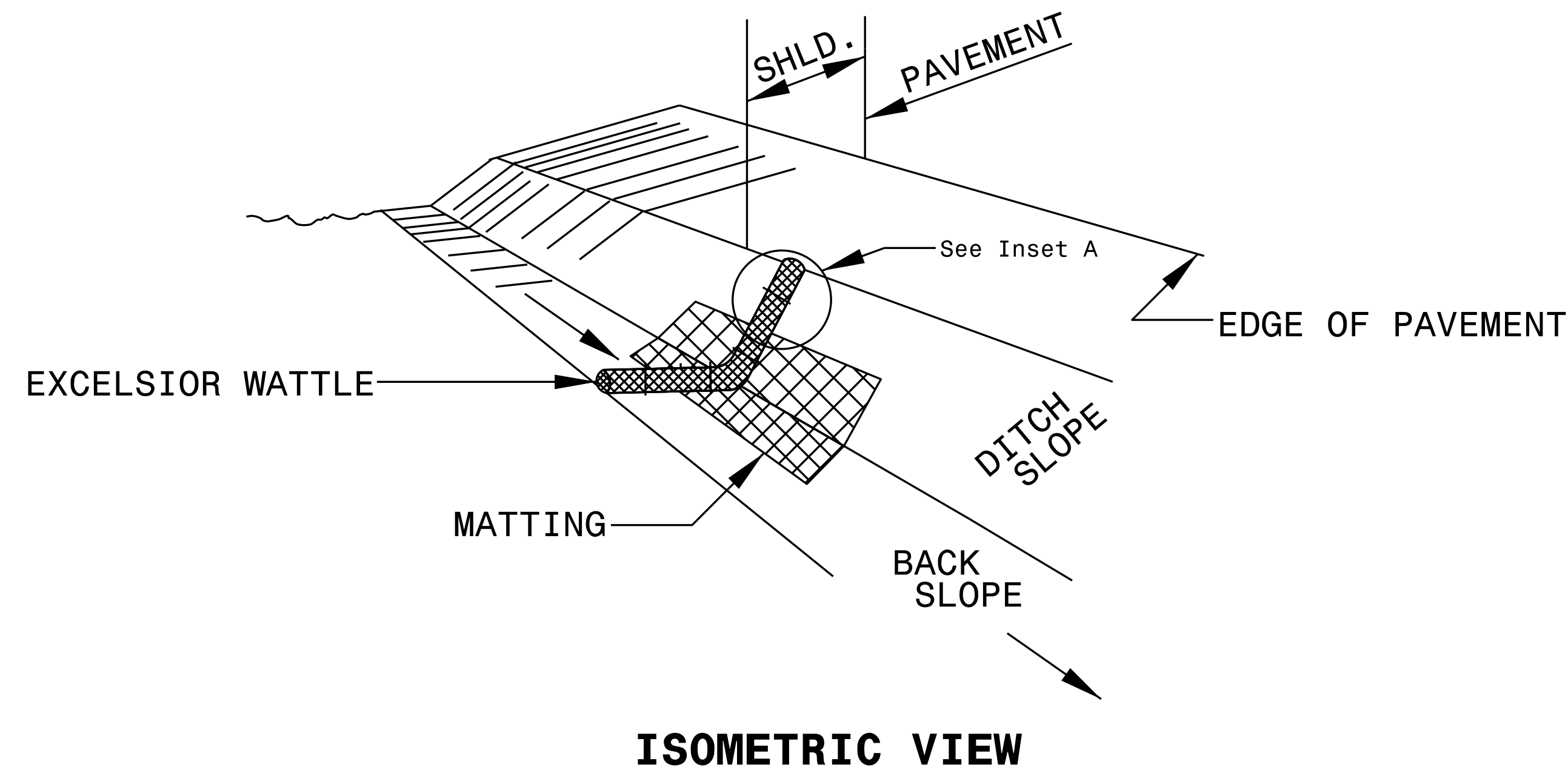
Roadway Standard Drawings

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	

PROJECT REFERENCE NO. <i>U-5796</i>	SHEET NO. <i>EC-2</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

WATTLE WITH POLYACRYLAMIDE (PAM) DETAIL



NOTES:

USE MINIMUM 12 IN. DIAMETER EXCELSIOR 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.

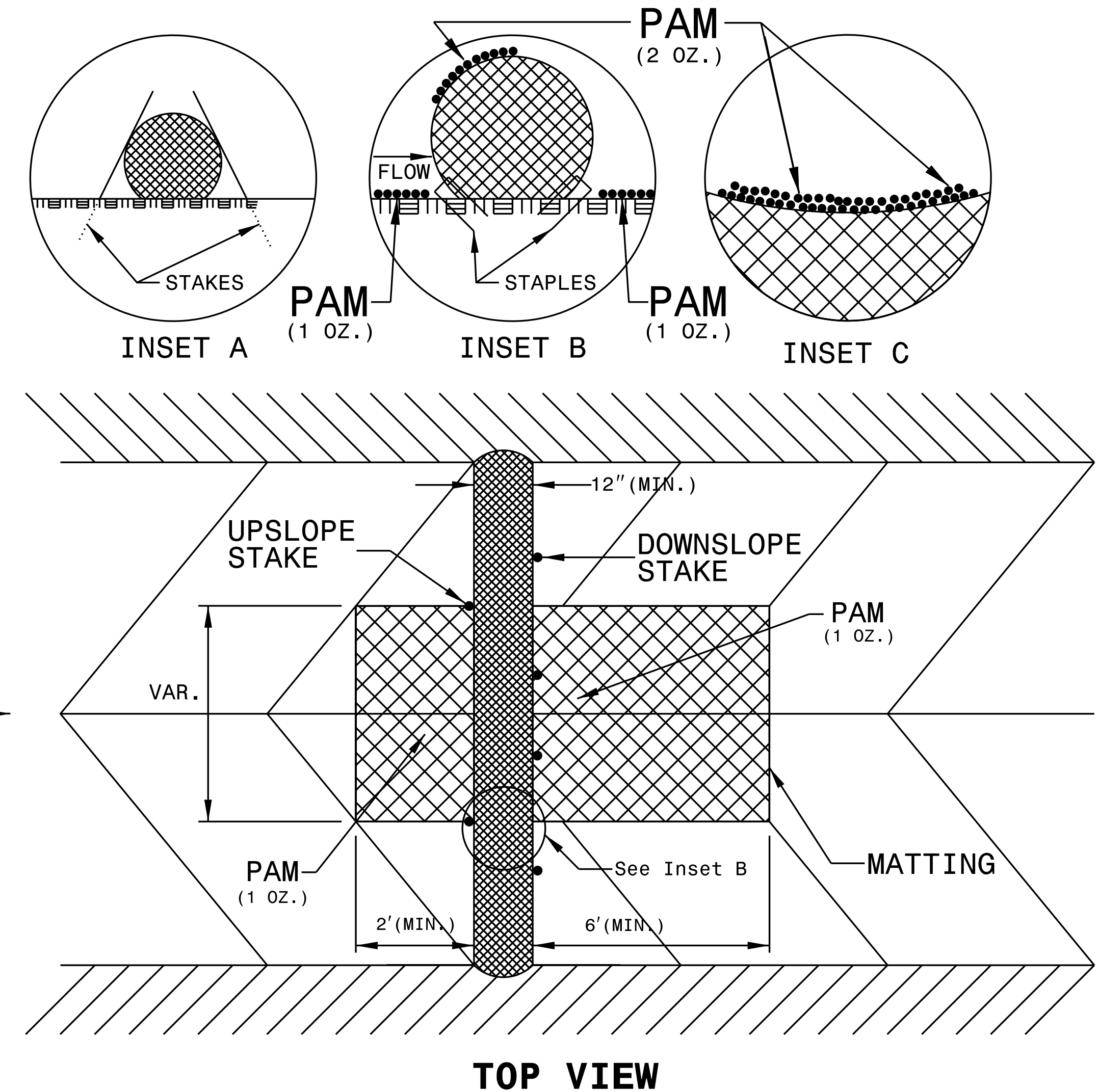
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

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.

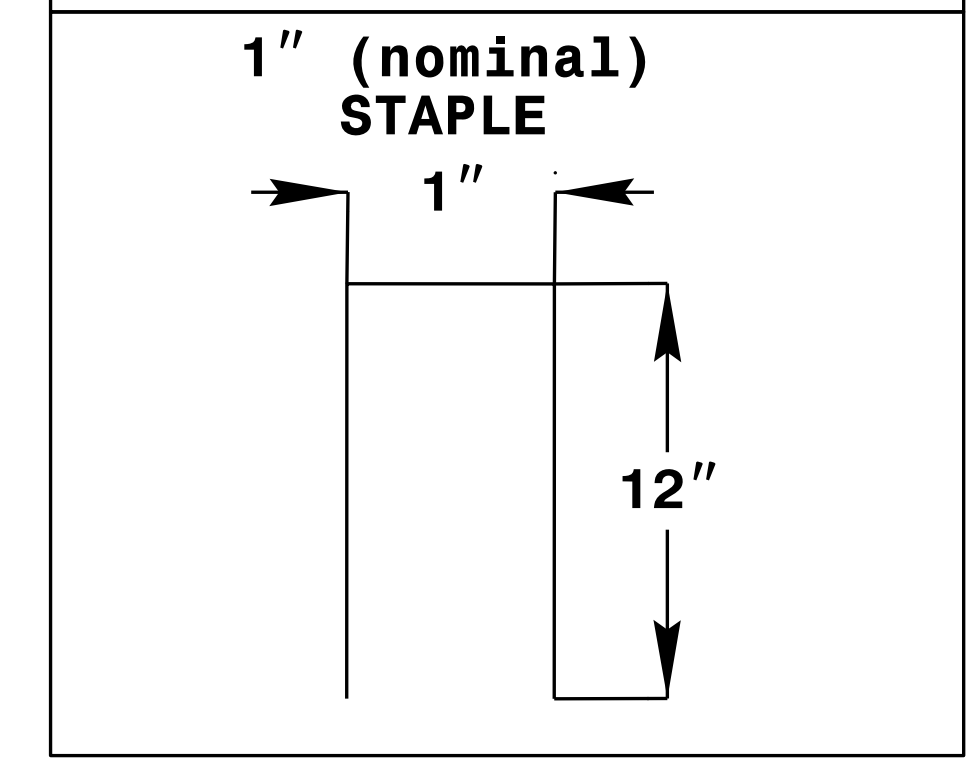
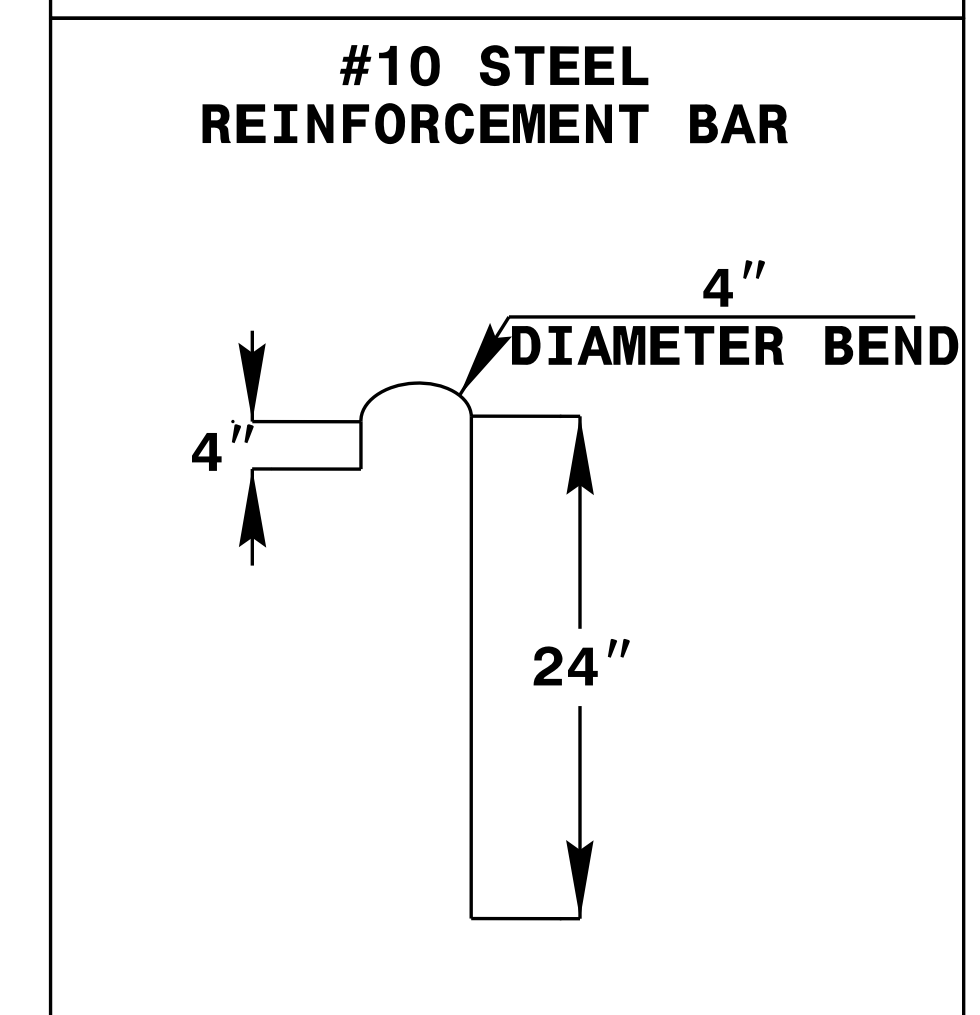
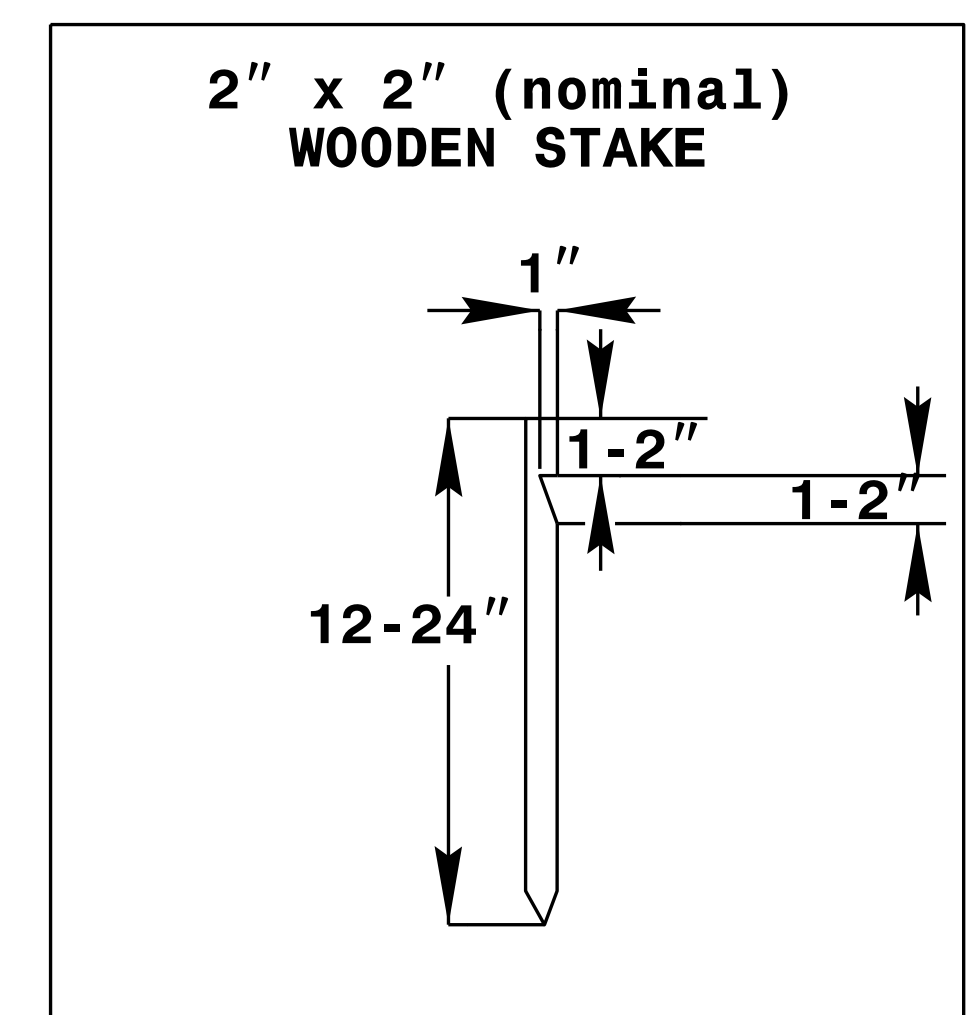
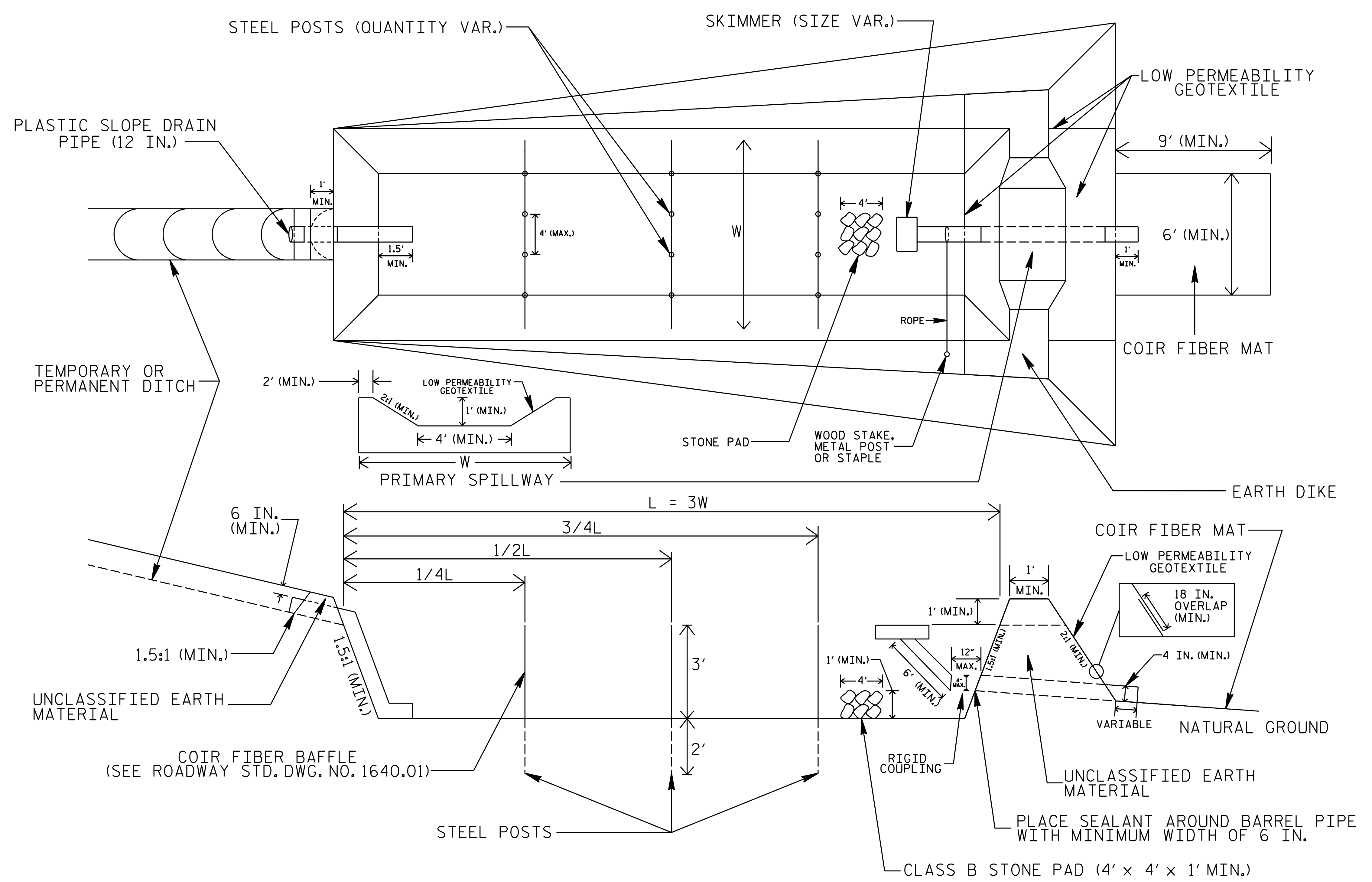
PRIOR TO POLYACRYLAMIDE (PAM) APPLICATION, OBTAIN A SOIL SAMPLE FROM PROJECT LOCATION, AND FROM OFFSITE MATERIAL, AND ANALYZE FOR APPROPRIATE PAM FLOCCULANT TO BE APPLIED TO EACH WATTLE.

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. U-5796	SHEET NO. EC-2A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

SKIMMER BASIN WITH BAFFLES DETAIL (EAST)



COIR FIBER MAT ANCHOR OPTIONS

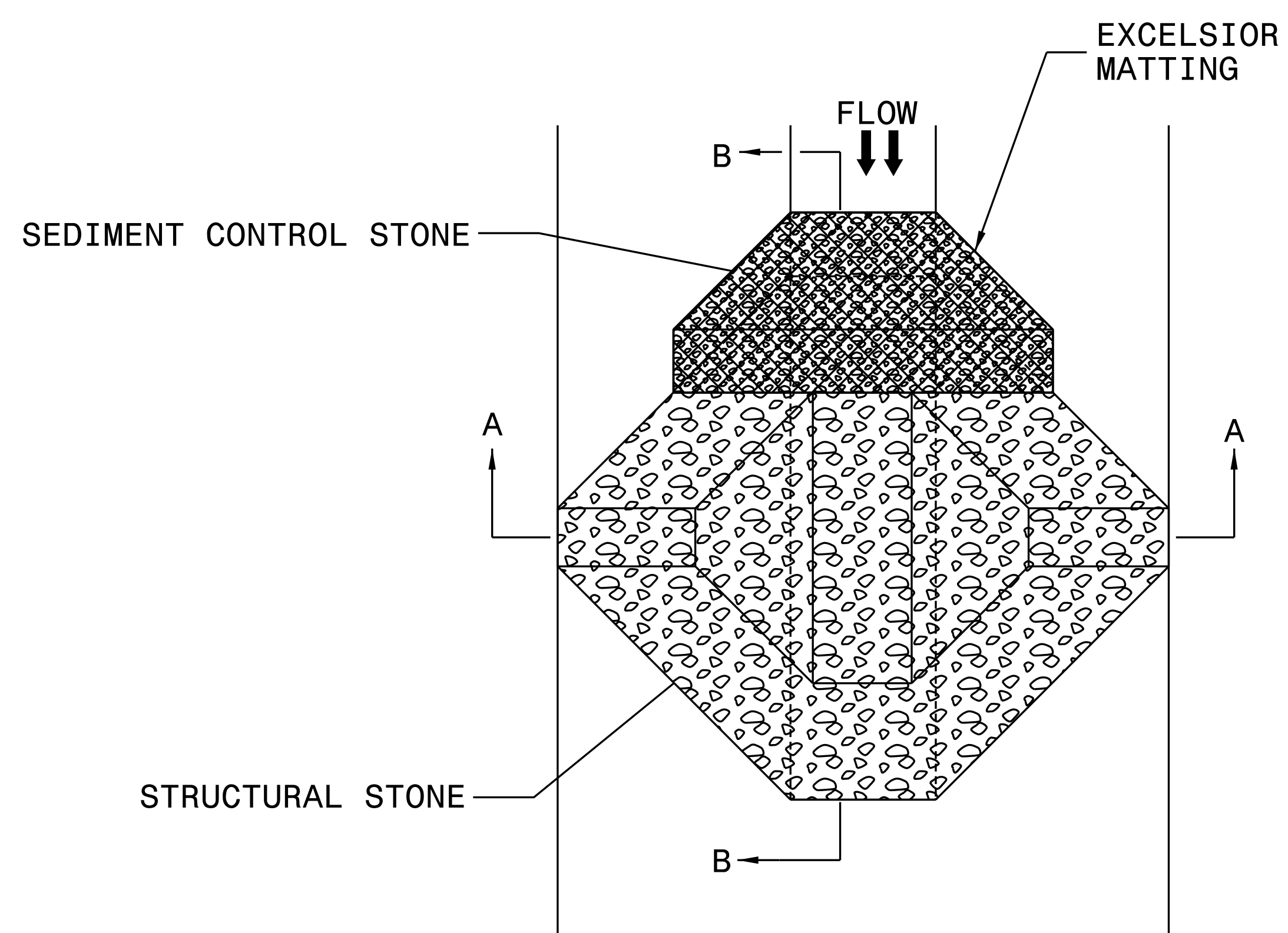
NOTES

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

PROJECT REFERENCE NO. U-5796	SHEET NO. EC-2B
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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



PLAN

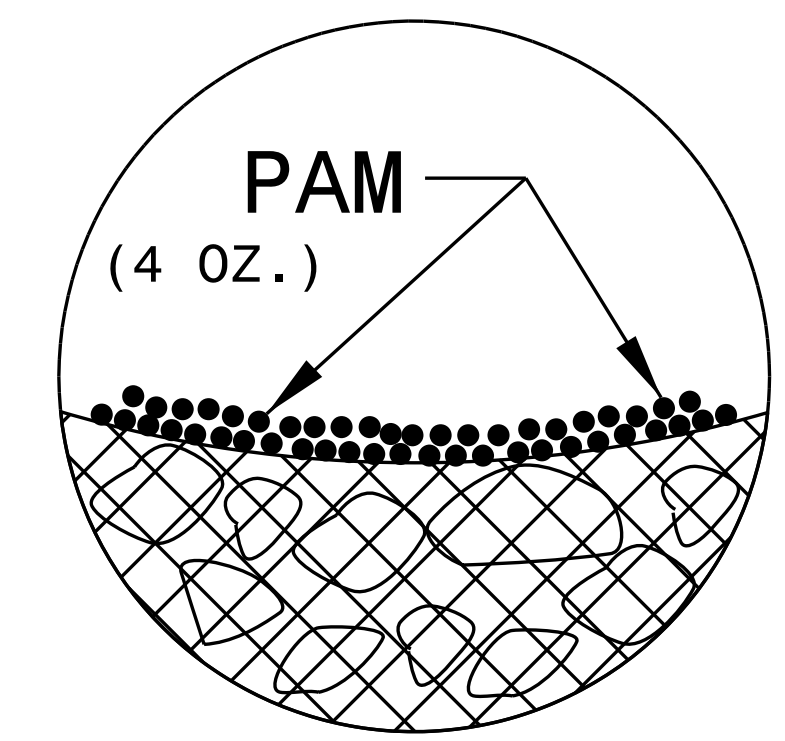
NOTES:

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

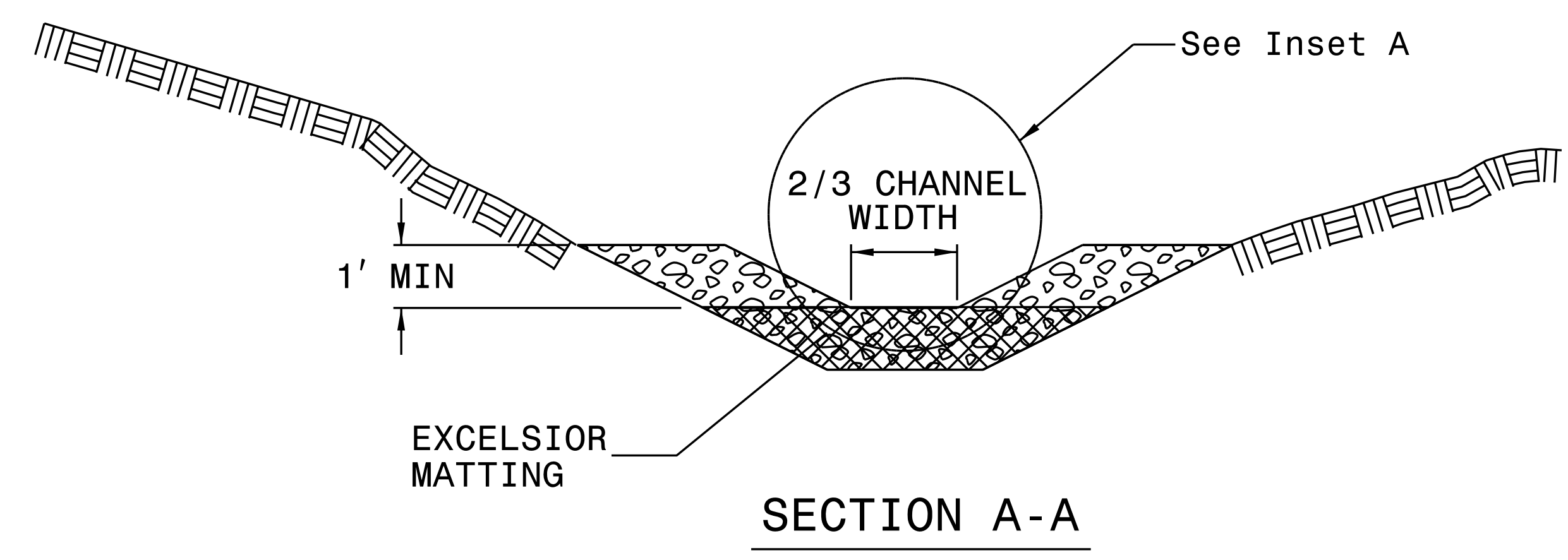
USE EXCELSIOR FOR MATTING MATERIAL AND ANCHOR MATTING SECTION AT TOP AND BOTTOM WITH CLASS B STONE.

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.

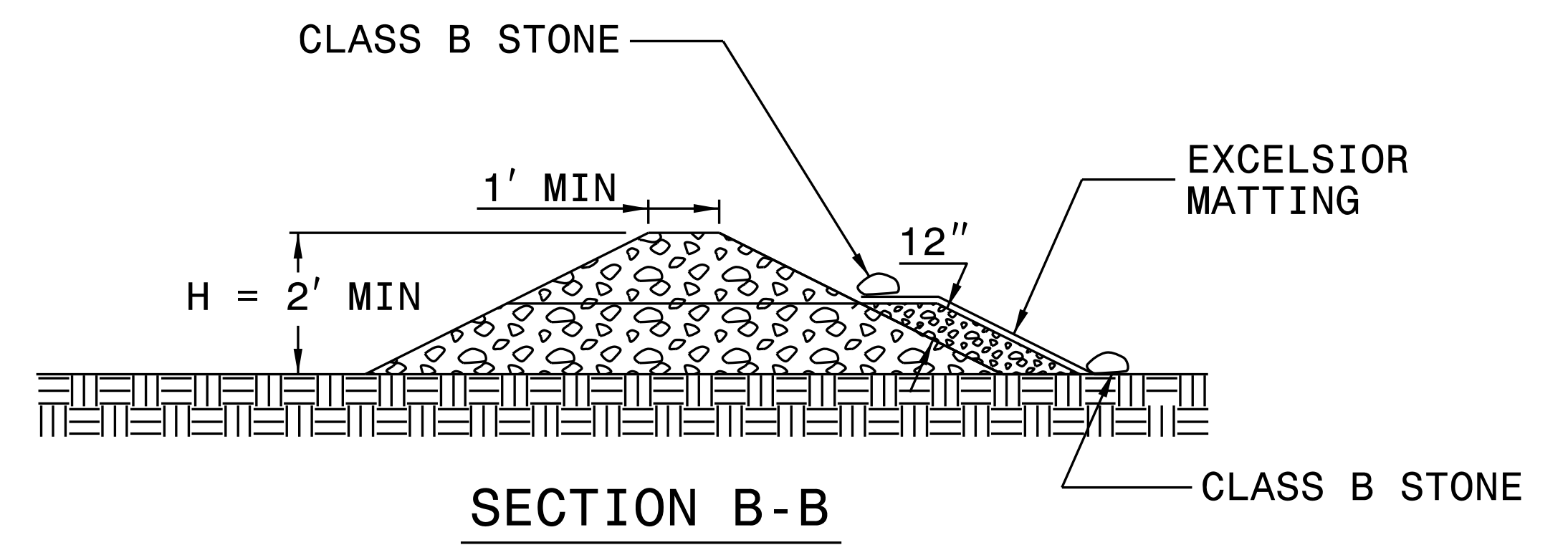
INITIALLY APPLY 4 OUNCES OF POLYACRYLAMIDE (PAM) TO TOP OF MATTING SECTION AND AFTER EVERY RAINFALL EVENT THAT EQUALS OR EXCEEDS 0.50 INCHES.



INSET A



SECTION A-A



SECTION B-B

NOT TO SCALE

BORROW PIT DEWATERING BASIN DETAIL

PROJECT REFERENCE NO. U-5796	SHEET NO. EC-2C
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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.

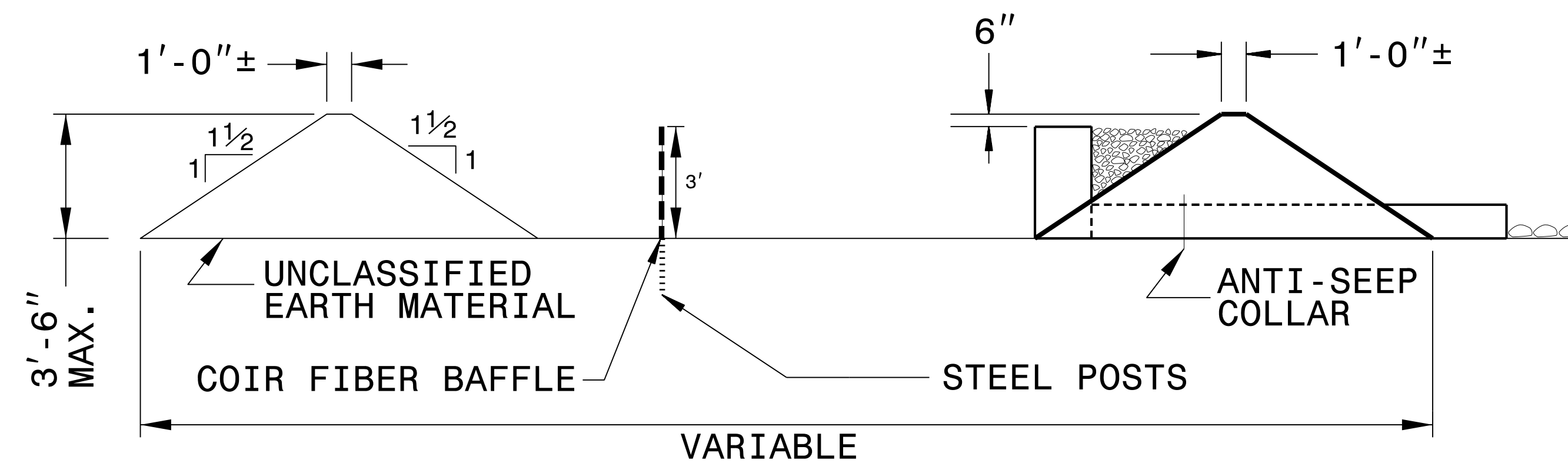
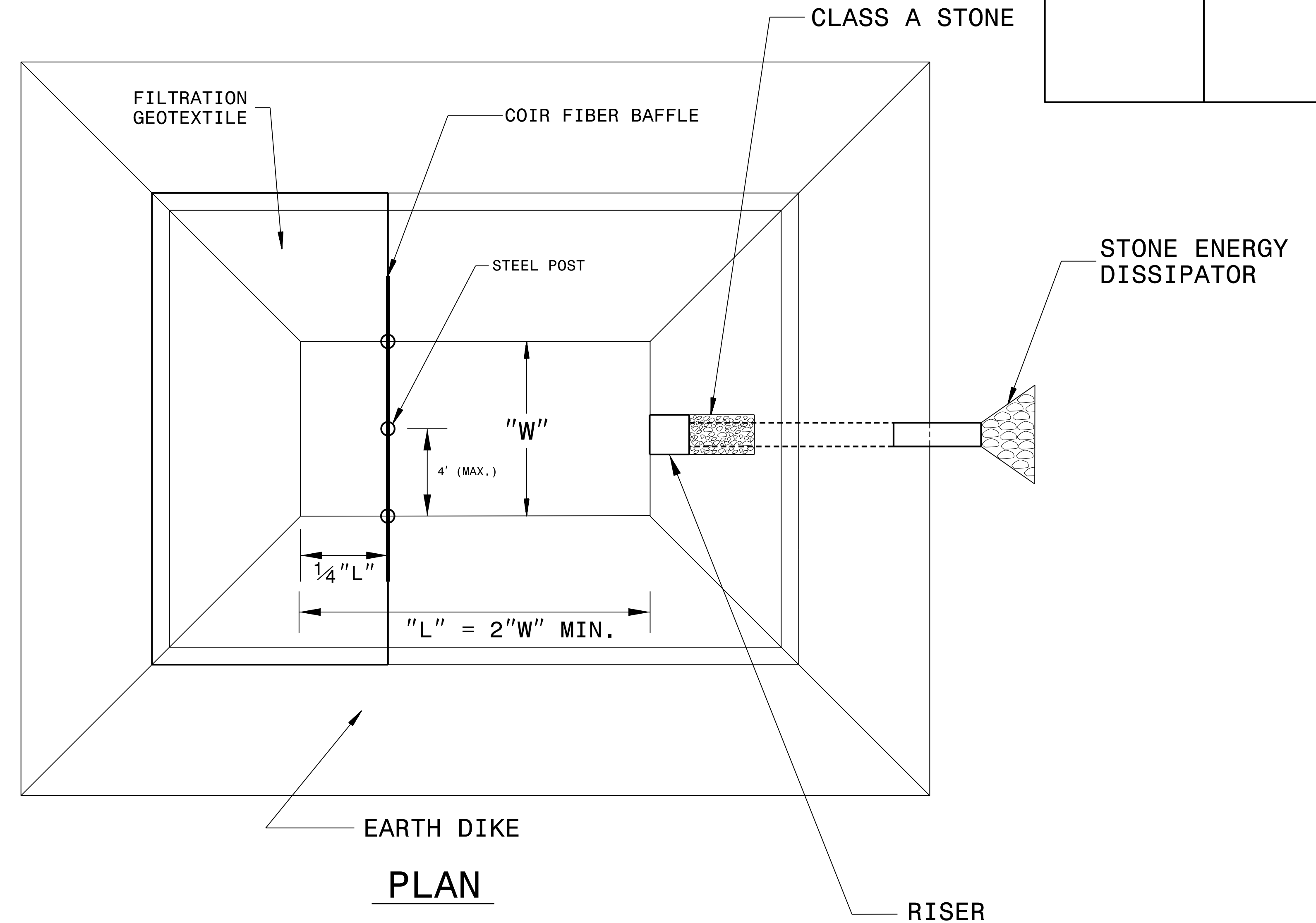
DO NOT EXCEED 3½ FT. IN HEIGHT FOR THE EARTH DIKES REQUIRED FOR BORROW PIT DEWATERING BASIN.

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

PROJECT REFERENCE NO. <i>U-5796</i>	SHEET NO. <i>EC-3B</i>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

SOIL STABILIZATION TIMEFRAMES

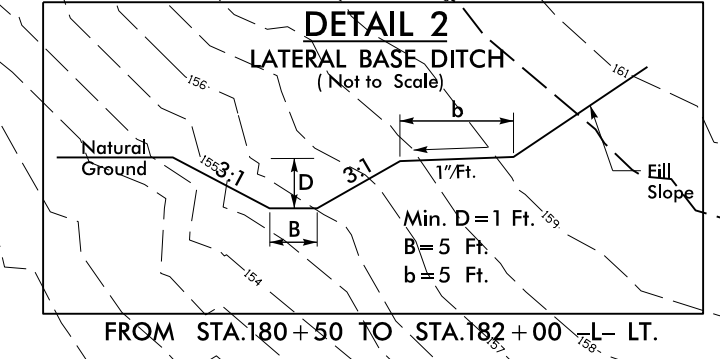
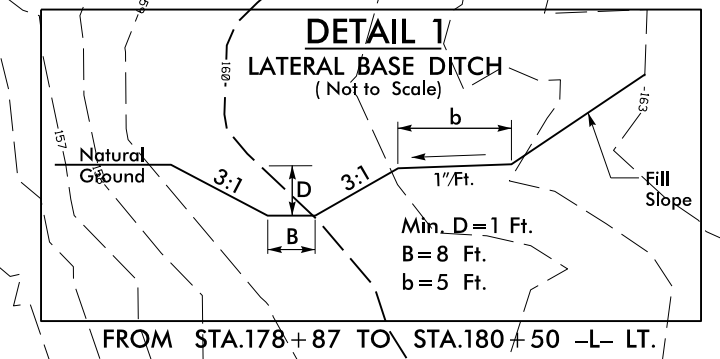
<i>SITE DESCRIPTION</i>	<i>STABILIZATION TIME</i>	<i>TIMEFRAME EXCEPTIONS</i>
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES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

PROJECT REFERENCE NO.	SHEET NO.
U-5796	EC-4/CONST.4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 4

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.



NAD 83/NSRS 2007

120 x 34 x 3
2 inch Skimmer
with 1.75 inch
Orifice Diameter
15 ft. weir
ID 4.01

BURL J. MITCHELL
DB 1261 PG 577

CLASS B RIP RAP
EST. 1 TN RR
EST. 5 SY CF

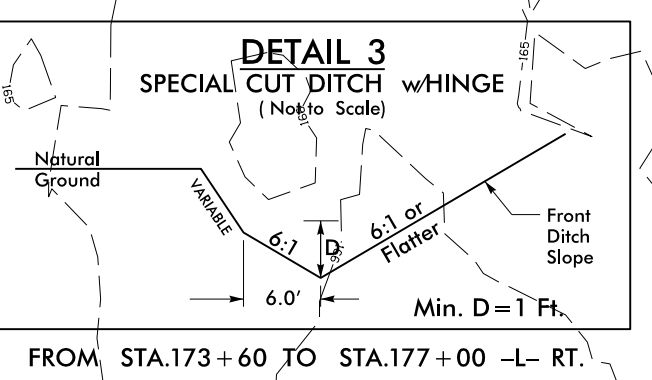
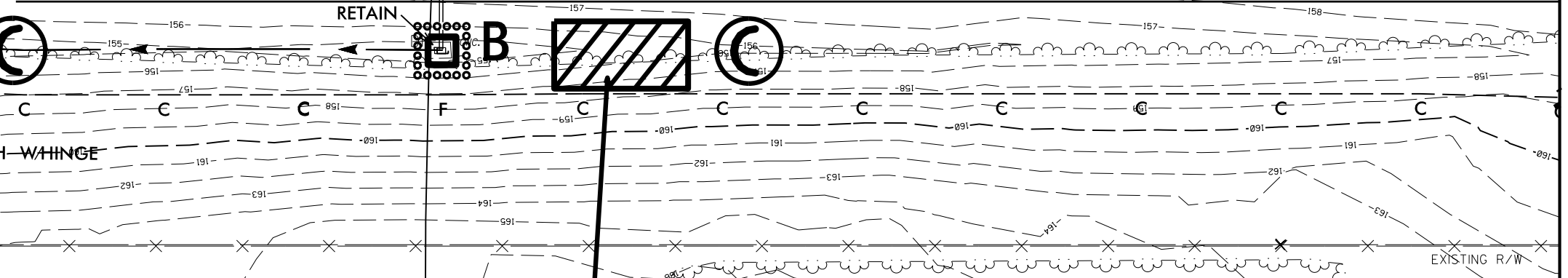
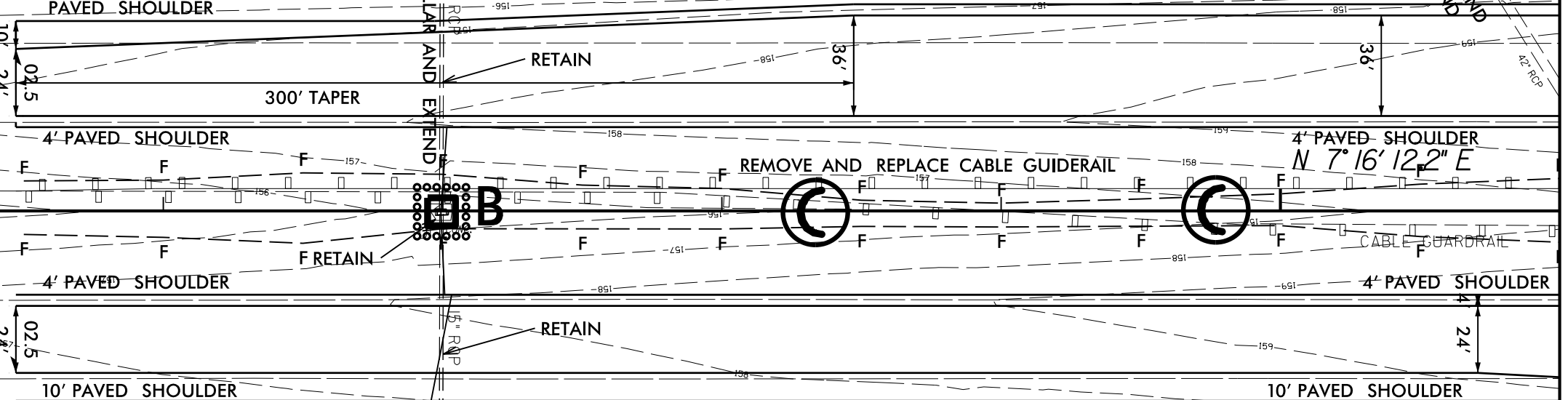
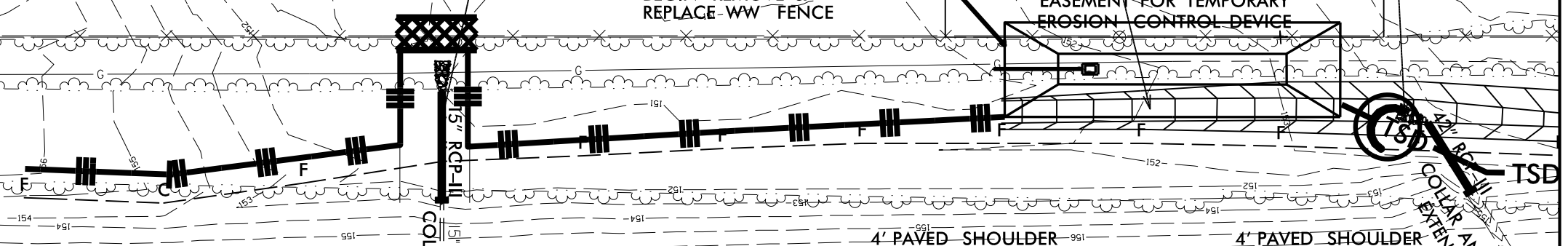
LATERAL BASE DITCH
(SEE DETAIL 1)

END REMOVE &
REPLACE WW FENCE

BEGIN REMOVE &
REPLACE WW FENCE

EASEMENT FOR TEMPORARY
EROSION CONTROL DEVICE

CLASS 1 RIP RAP
EST. 20 TN RR
EST. 39 SY CF



48 x 24 x 3
ID 4.02

DEBORAH KAY WILLIAMS
DB 2641 PG 112

REVISIONS

\$\$\$\$\$SUBSERVING\$\$\$\$\$

MATCH LINE -L- STA. 181+00.00 SEE SHEET 5

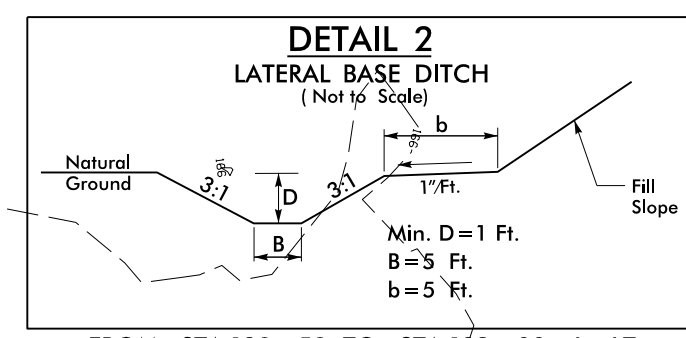
PROJECT REFERENCE NO.	SHEET NO.
U-5796	EC-5/CONST.5
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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

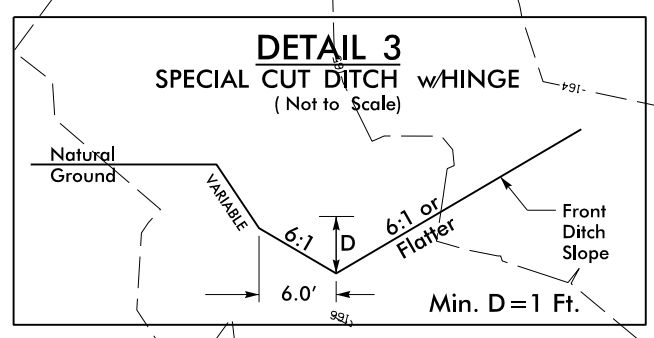
NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 5

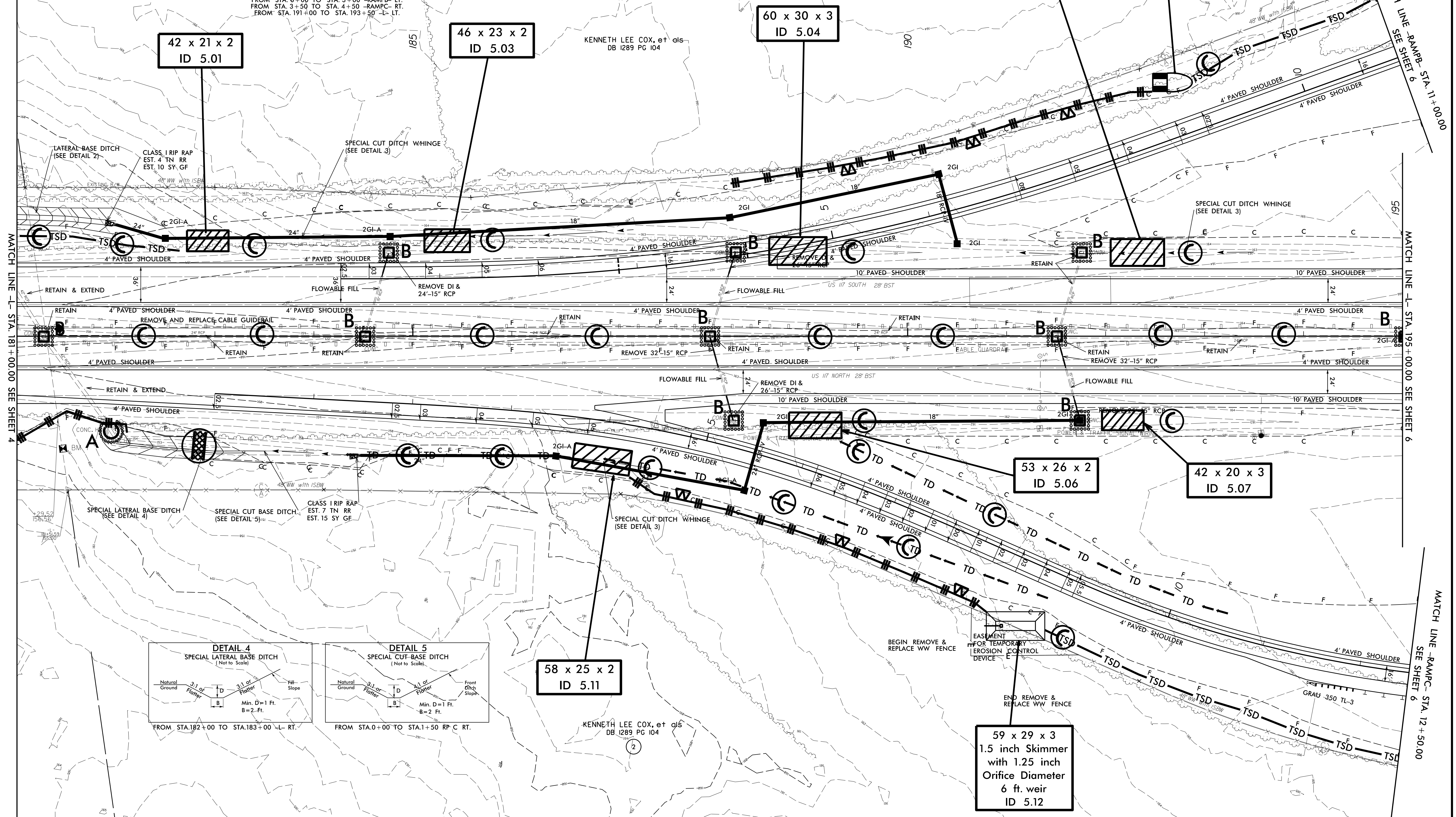
NAD 83/NSRS 2007



FROM STA.180+50 TO STA.182+00 -L- LT.



FROM STA.182+50 TO STA.184+50 -L- LT.
FROM STA.3+00 TO STA.3+50 -RAMPB- LT.
FROM STA.4+50 TO STA.4+50 -RAMPB- RT.
FROM STA.191+00 TO STA.193+50 -L- LT.



LATERAL BASE DITCH (SEE DETAIL 2)

CLASS I RIP RAP EST. 4 TN RR EST. 10 SY GF

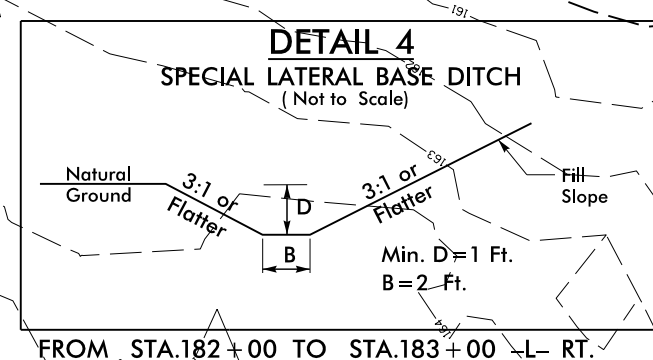
SPECIAL CUT DITCH WITH WHINGE (SEE DETAIL 3)

SPECIAL CUT DITCH WITH WHINGE (SEE DETAIL 3)

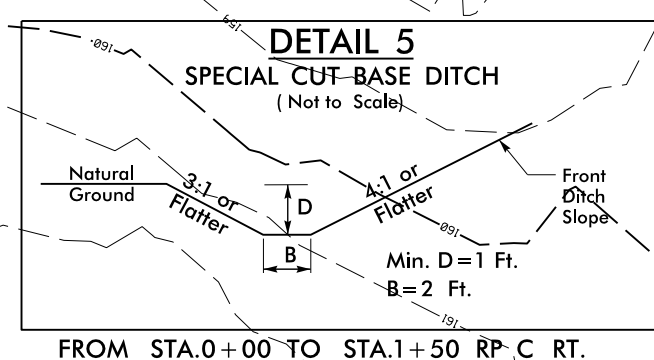
SPECIAL LATERAL BASE DITCH (SEE DETAIL 4)

SPECIAL CUT BASE DITCH (SEE DETAIL 5)

SPECIAL CUT DITCH WITH WHINGE (SEE DETAIL 3)



FROM STA.182+00 TO STA.183+00 -L- RT.



FROM STA.0+00 TO STA.1+50 RP C RT.

KENNETH LEE COX, et al
DB 1289 PG 104

REVISIONS

\$\$\$\$\$SUBSERIALS\$\$\$\$\$

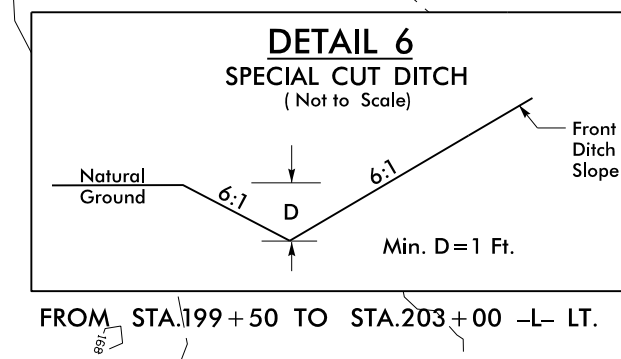
MATCH LINE -RAMP- STA. 11+00.00 SEE SHEET 6

MATCH LINE -L- STA. 195+00.00 SEE SHEET 6

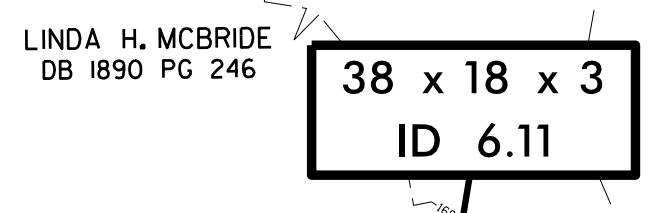
MATCH LINE -RAMP- STA. 12+50.00 SEE SHEET 6

PROJECT REFERENCE NO.	SHEET NO.
U-5796	EC-6/CONST.6
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

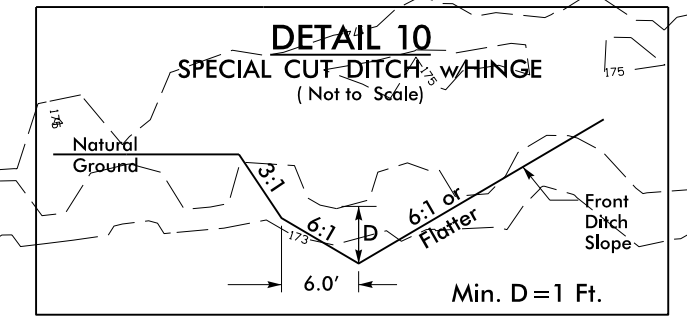
CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 6



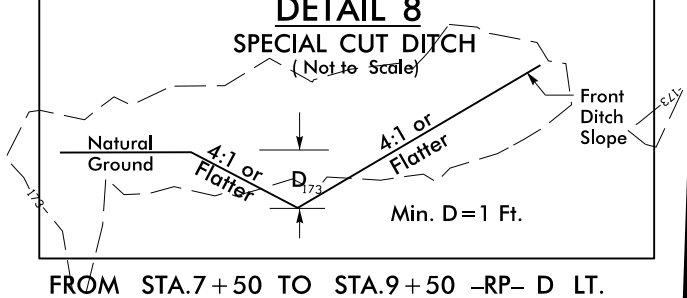
FROM STA.199+50 TO STA.203+00 -L- LT.



FROM STA.9+50 TO STA.12+00 -RP- D LT.



FROM STA.0+00 TO STA.5+40 -RP- D LT.
STA.211+12.08 TO STA.214+50 -L- RT.



FROM STA.7+50 TO STA.9+50 -RP- D LT.

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.

69 x 34 x 3
1.5 inch Skimmer
with 1.375 inch
Orifice Diameter
9 ft. weir
ID 6.12

38 x 18 x 3
ID 6.11

40 x 20 x 2
ID 6.02

42 x 21 x 3
ID 6.03

44 x 18 x 3
ID 6.05

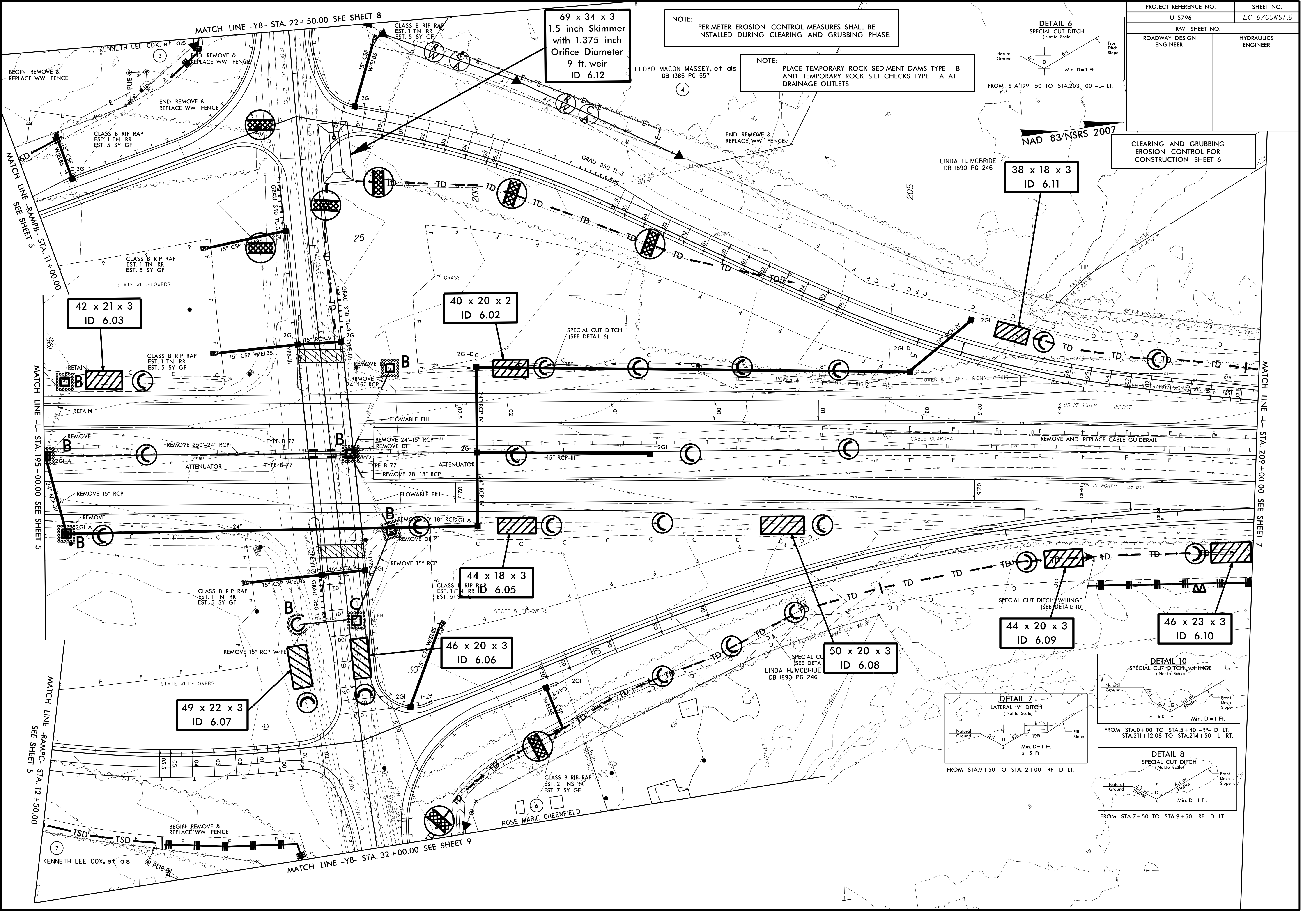
46 x 20 x 3
ID 6.06

50 x 20 x 3
ID 6.08

44 x 20 x 3
ID 6.09

46 x 23 x 3
ID 6.10

49 x 22 x 3
ID 6.07



REVISIONS

\$\$\$\$\$SUBSERNAME\$\$\$\$\$

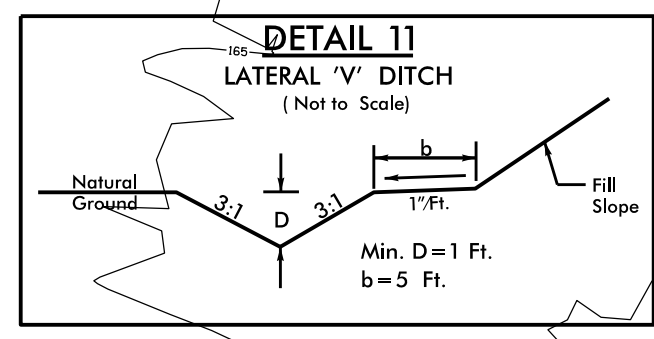
HP4500

PROJECT REFERENCE NO.	SHEET NO.
U-5796	EC-8/CONST.B
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 8

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.

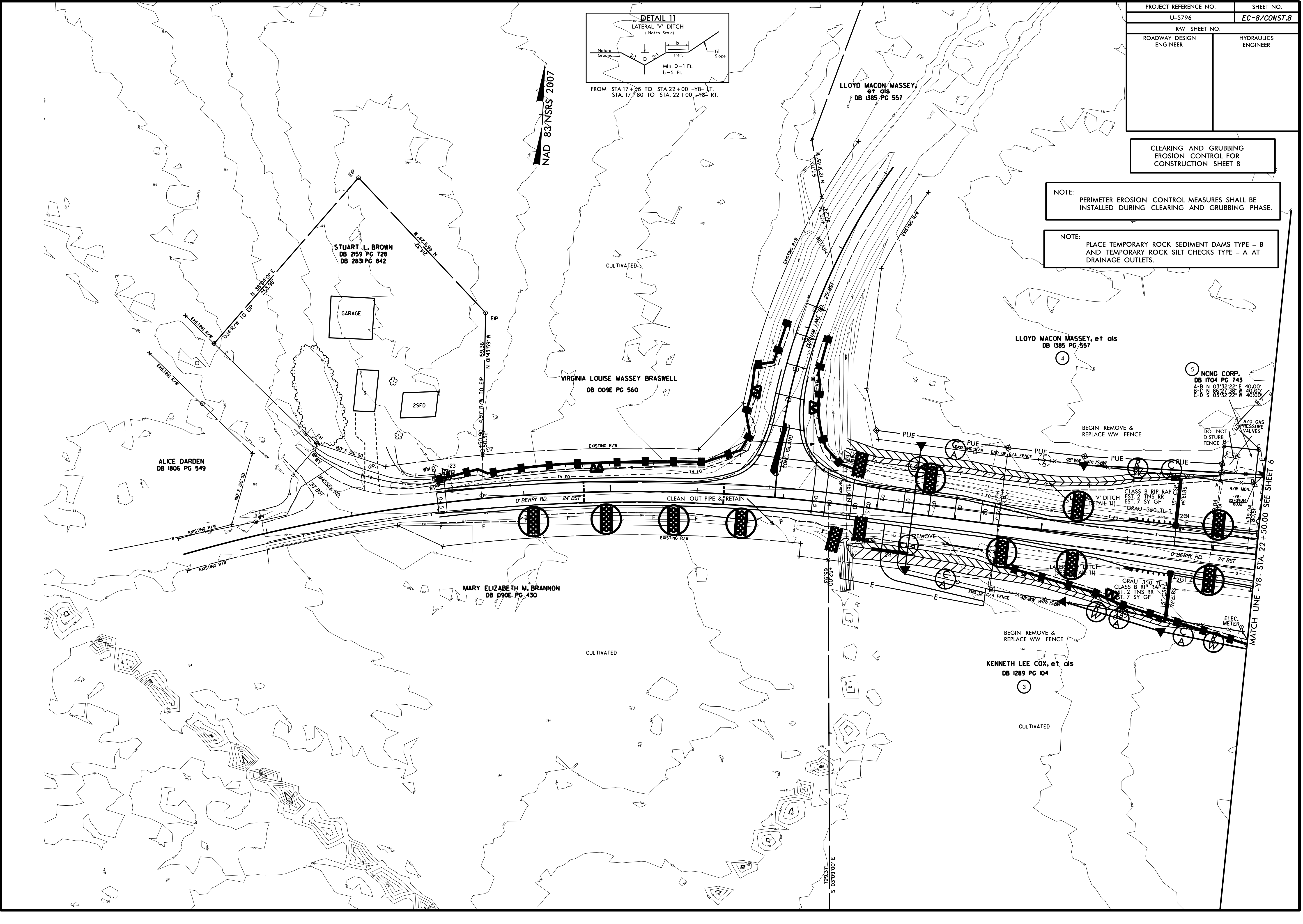


FROM STA. 17+85 TO STA. 22+00 -Y8- LT.
STA. 17+80 TO STA. 22+00 -Y8- RT.

NAD 83 NRS 2007

REVISIONS

\$\$\$\$\$SUBSERIALS\$\$\$\$\$



MATCH LINE -Y8- STA. 22+50.00 SEE SHEET 6

5 NCNG CORP.
DB 1704 PG 743
A-B N 03°32'22" E 40.00'
B-C N 86°27'58" W 40.00'
C-D S 03°32'22" W 40.00'

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

KENNETH LEE COX, et als
DB 1289 PG 104

STUART L. BROWN
DB 2159 PG 728
DB 2831 PG 842

VIRGINIA LOUISE MASSEY BRASWELL
DB 009E PG 560

ALICE DARDEN
DB 1806 PG 549

MARY ELIZABETH M. BRANNON
DB 090E PG 430

LLOYD MACON MASSEY,
et als
DB 1385 PG 557

LLOYD MACON MASSEY, et als
DB 1385 PG 557

KENNETH LEE COX, et als
DB 1289 PG 104

GARAGE

2SFD

CULTIVATED

CULTIVATED

CULTIVATED

BEGIN REMOVE &
REPLACE WW FENCE

BEGIN REMOVE &
REPLACE WW FENCE

DO NOT
DISTURB
FENCE

ELEC.
METER

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

CLASS B RIP RAP
EST. 2 TNS RR
EST. 7 SY GF
GRAU-350, TL-3

HP4500

DELORES W. HUNTER
DB 1618 PG 376

SHILOH-SANT MATHEW'S RELIGIOUS FOUNDATION, INC.
DB 1960 PG 151

FAITH PRESBYTERIAN CHURCH (USA)
DB 1750 PG 824

LINDA H. MCBRIDE
DB 1890 PG 246

SANT MATHEW PRESBYTERIAN CHURCH
DB 210 PG 580

FAITH PRESBYTERIAN CHURCH
DB 1732 PG 394

DUDLEY CHRISTIAN CHURCH
(DISPLES OF CHRIST) INC.
DB 2605 PG 165
DB 1658 PG 185

LINDA H. MCBRIDE
DB 1890 PG 246

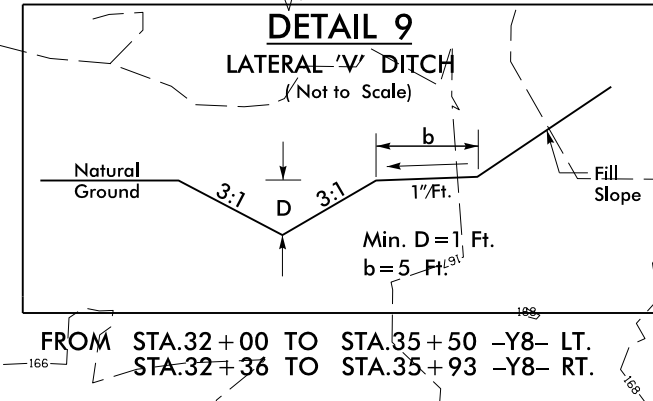
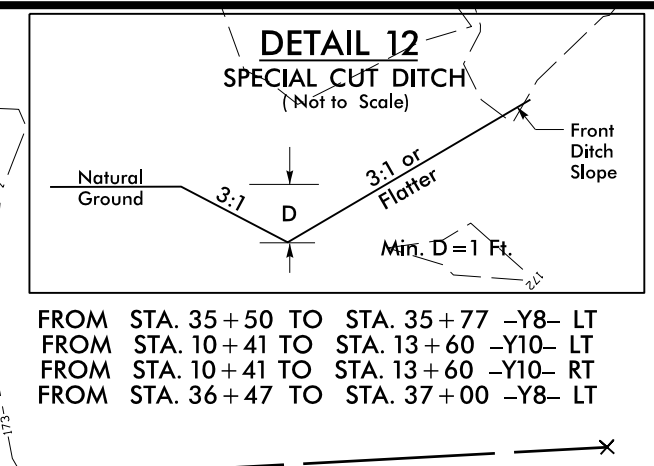
CAROLYN ARMSTRONG BLEDSOE
DB 2260 PG 663

SANDRA FAYE SMITH
DB 2894 PG 673

SANDRA FAYE SMITH
DB 2894 PG 673

CELL TOWER
AMERICAN TOWERS, INC.

KENNETH LEE COX, et als
DB 1289 PG 104



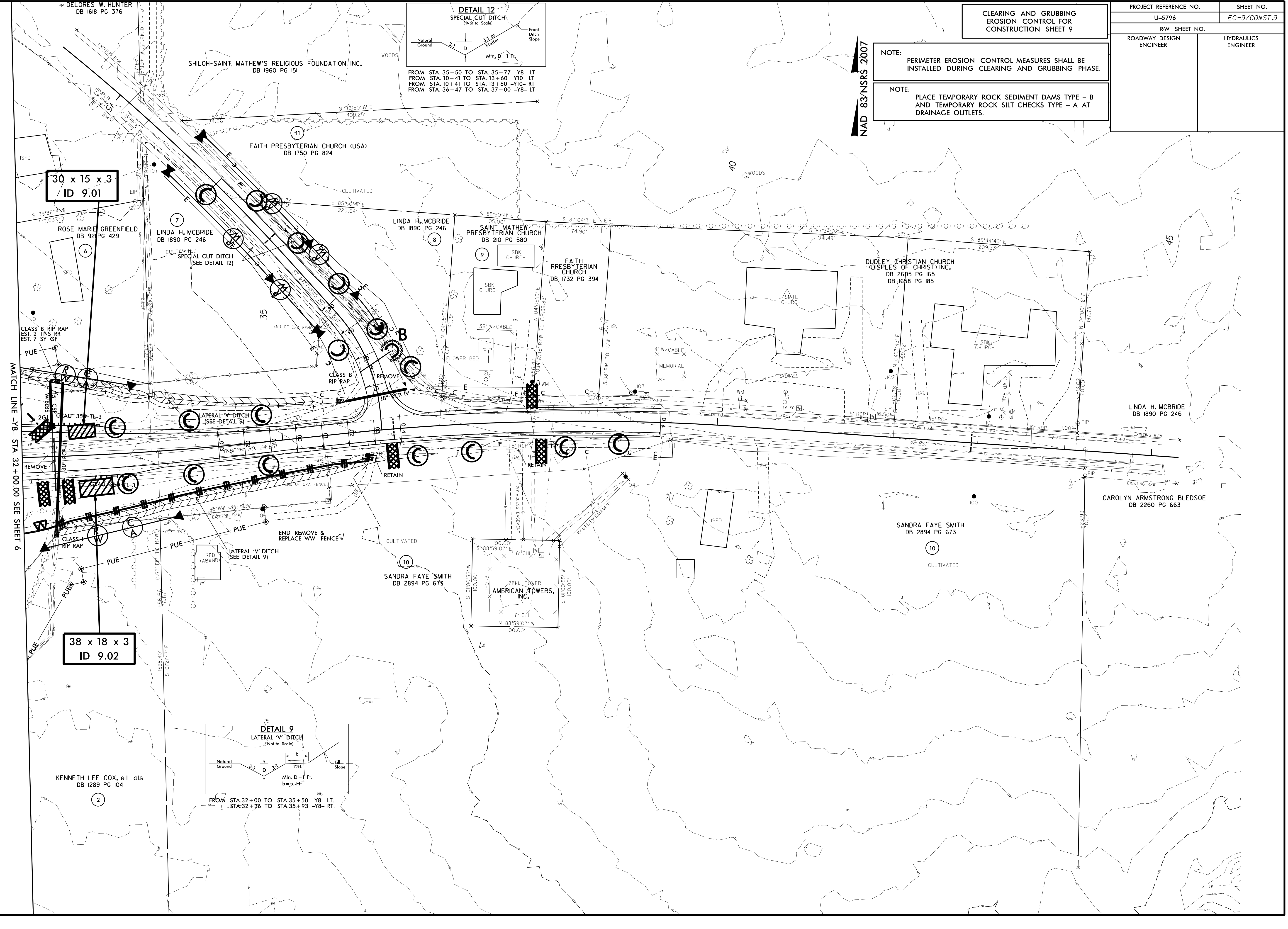
CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 9

PROJECT REFERENCE NO. U-5796	SHEET NO. EC-9/CONST.9
R/W SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	

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.

NAD 83 NSRS 2007



30 x 15 x 3
ID 9.01

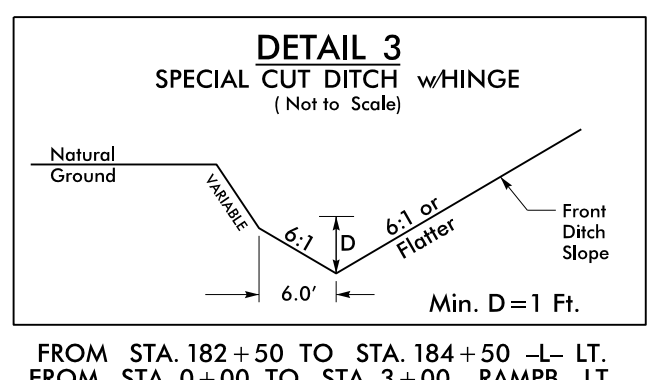
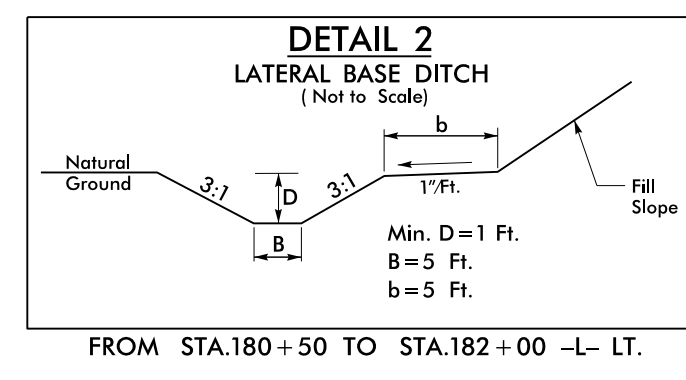
38 x 18 x 3
ID 9.02

REVISIONS

\$\$\$\$\$SUSERNAMIES\$\$\$\$\$

PROJECT REFERENCE NO.	SHEET NO.
U-5796	EC-II/CONST.5
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/NSRS 2007



42 x 21 x 2
ID 5.01

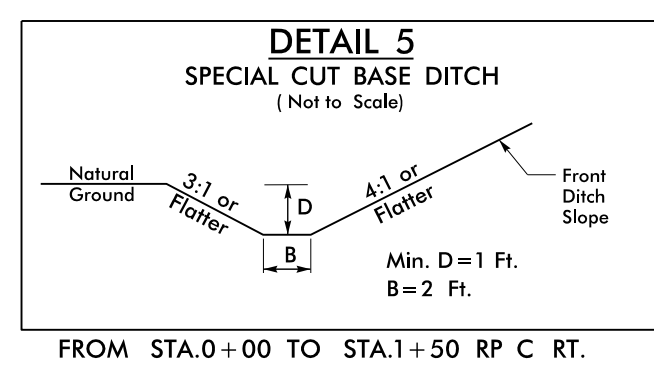
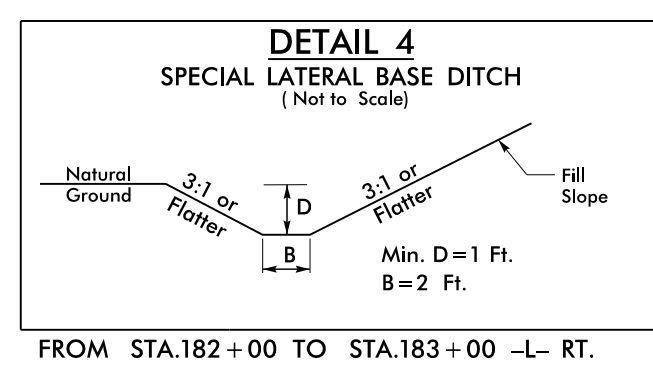
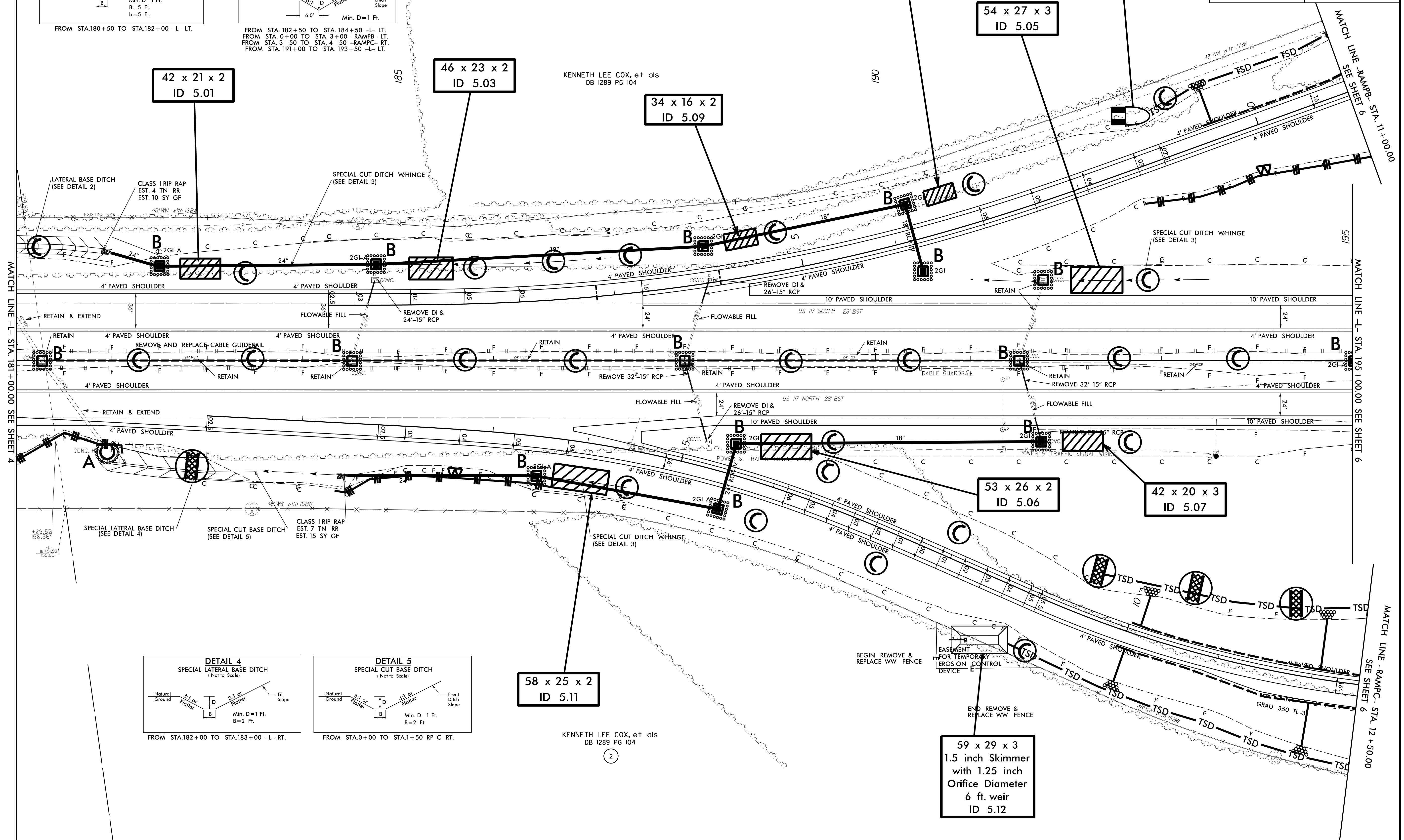
46 x 23 x 2
ID 5.03

34 x 16 x 2
ID 5.09

32 x 16 x 3
ID 5.08

54 x 27 x 3
ID 5.05

40 x 19 x 3
4 ft. weir
ID 5.10



58 x 25 x 2
ID 5.11

59 x 29 x 3
1.5 inch Skimmer
with 1.25 inch
Orifice Diameter
6 ft. weir
ID 5.12

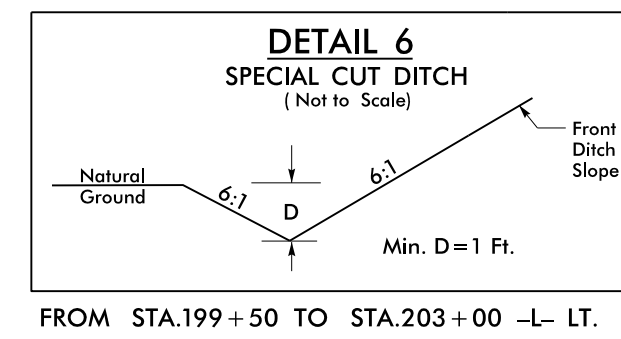
KENNETH LEE COX, et als
DB I289 PG 104

2

REVISIONS

\$\$\$\$\$SUBSERIALS\$\$\$\$\$

PROJECT REFERENCE NO.	SHEET NO.
U-5796	EC-12/CONST.6
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



LINDA H. MCBRIDE
DB 1890 PG 246

38 x 18 x 3
ID 6.11

44 x 22 x 3
1.5 inch Skimmer
with 0.875 inch
Orifice Diameter
4 ft. weir
ID 6.13

MACON MASSEY, et als
DB 1385 PG 557

32 x 16 x 3
weir
ID 6.01

42 x 21 x 3
ID 6.03

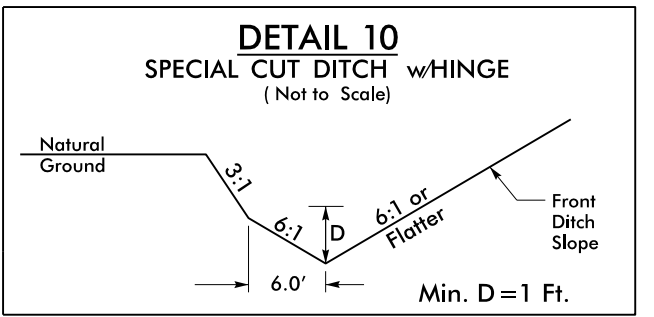
40 x 20 x 2
ID 6.02

44 x 18 x 3
ID 6.05

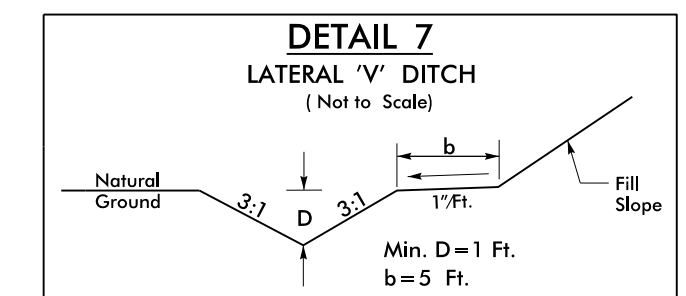
50 x 20 x 3
ID 6.08

44 x 20 x 3
ID 6.09

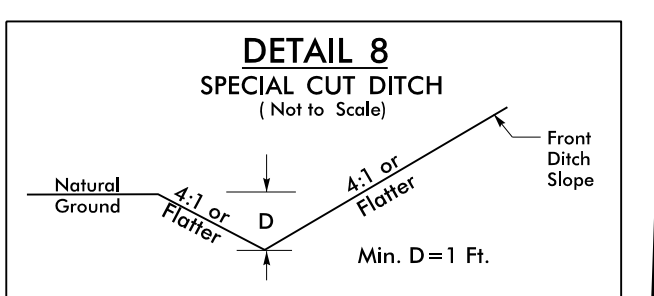
46 x 23 x 3
ID 6.10



FROM STA.0+00 TO STA.5+40 -RP- D LT.
STA.211+12.08 TO STA.214+50 -L- RT.



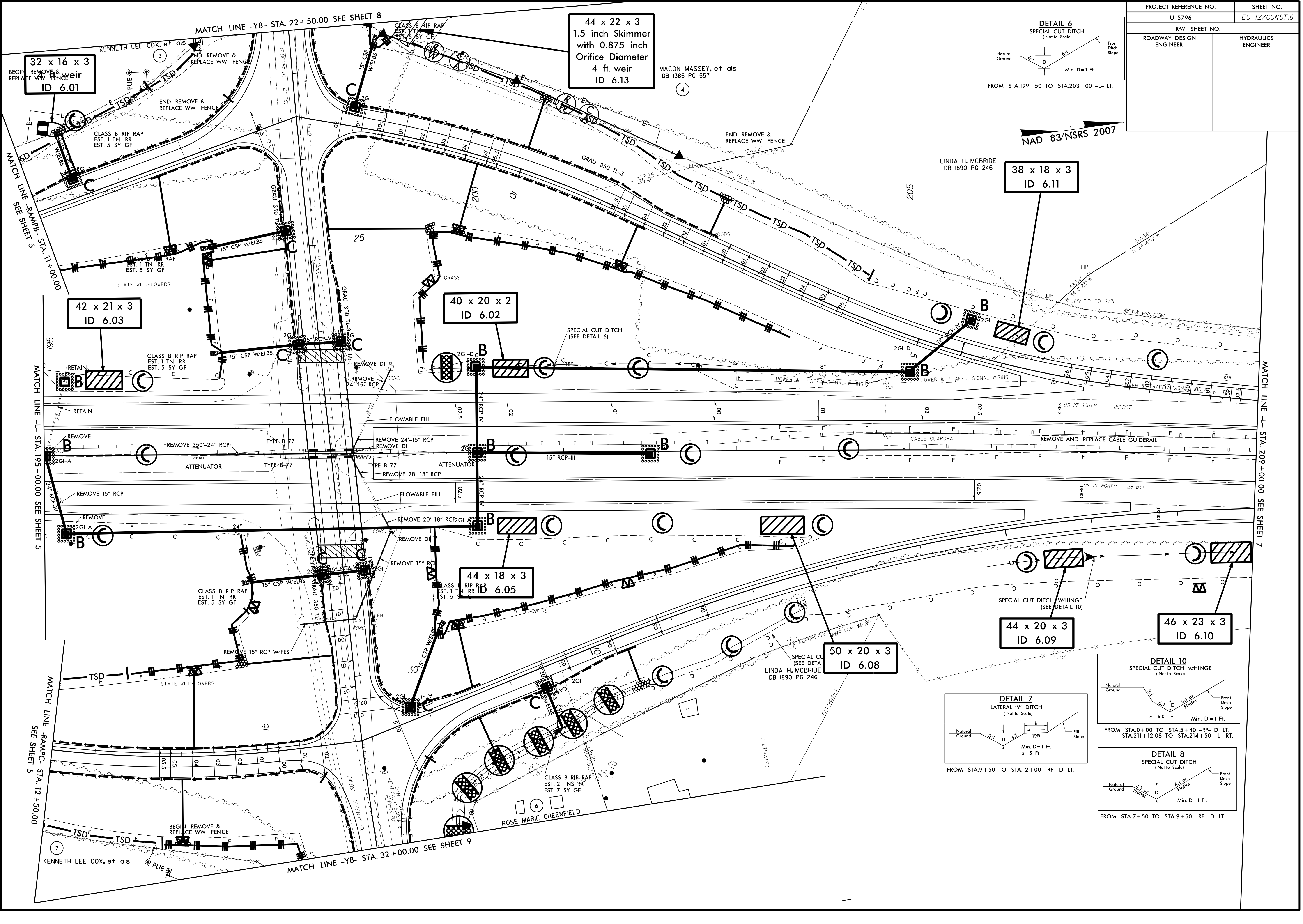
FROM STA.9+50 TO STA.12+00 -RP- D LT.



FROM STA.7+50 TO STA.9+50 -RP- D LT.

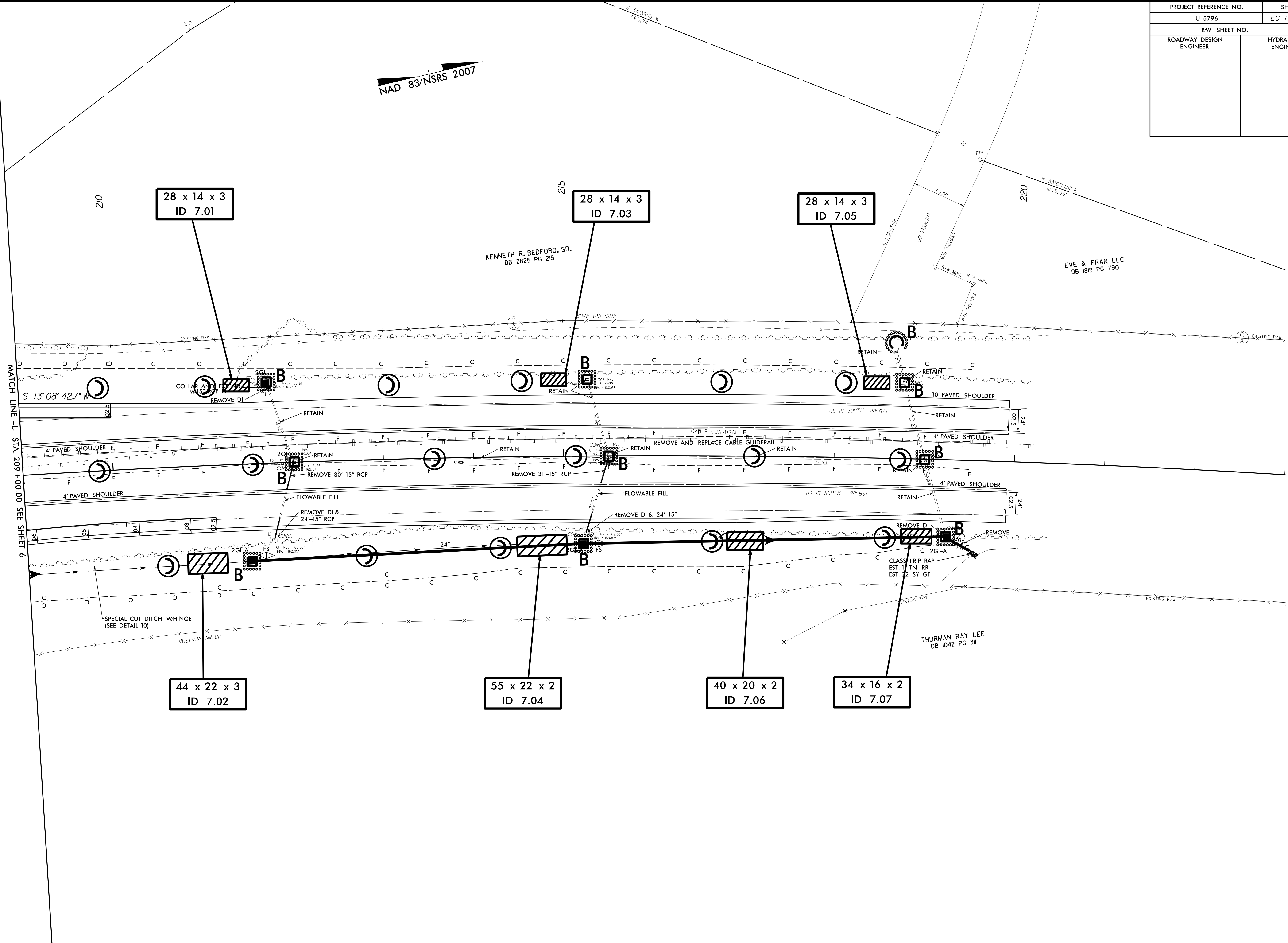
REVISIONS

\$\$\$\$\$CUSTOMER\$\$\$\$\$
\$\$\$\$\$DESIGNER\$\$\$\$\$
\$\$\$\$\$SUBMITTER\$\$\$\$\$



PROJECT REFERENCE NO.	SHEET NO.
U-5796	EC-13/CONST.7
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/NSRS 2007



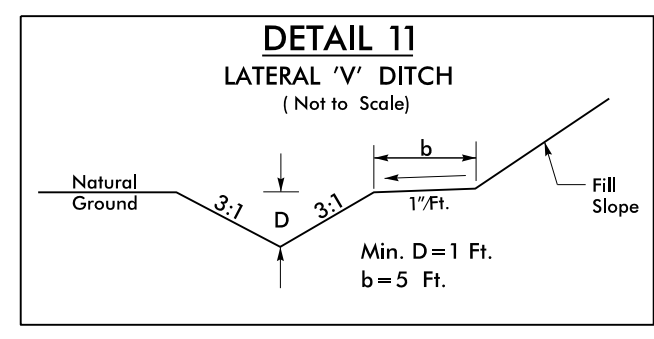
MATCH LINE - STA. 209 + 00.00 SEE SHEET 6

REVISIONS

\$\$\$\$\$SUBSERIALS\$\$\$\$\$

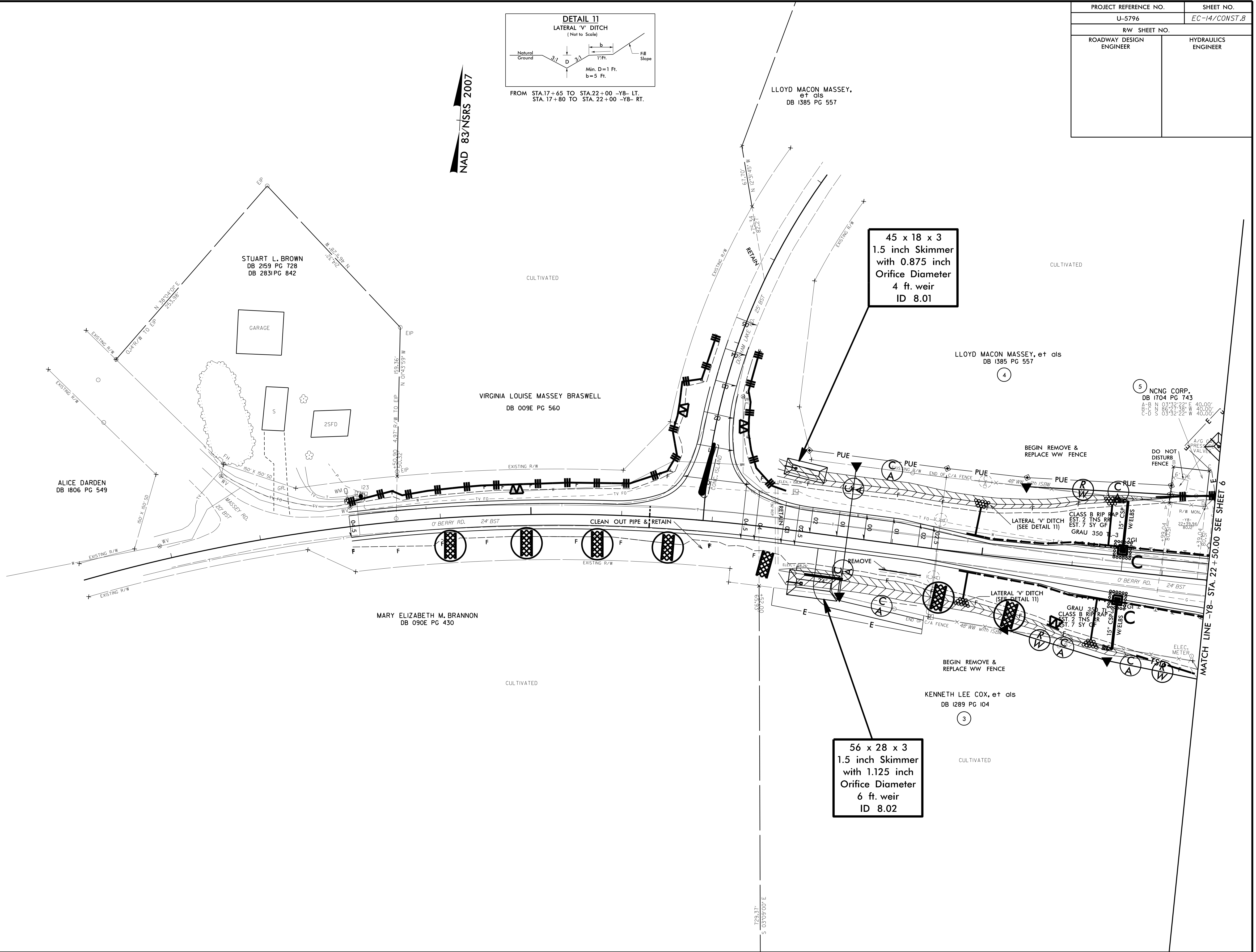
HP4500

PROJECT REFERENCE NO.	SHEET NO.
U-5796	EC-14/CONST.8
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



FROM STA.17+65 TO STA.22+00 -Y8- LT.
 STA.17+80 TO STA.22+00 -Y8- RT.

NAD 83/NSRS 2007



45 x 18 x 3
 1.5 inch Skimmer
 with 0.875 inch
 Orifice Diameter
 4 ft. weir
 ID 8.01

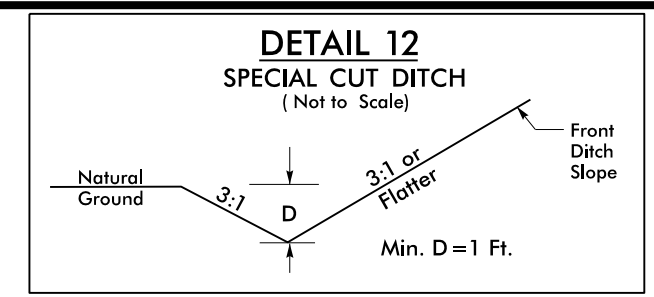
56 x 28 x 3
 1.5 inch Skimmer
 with 1.125 inch
 Orifice Diameter
 6 ft. weir
 ID 8.02

REVISIONS

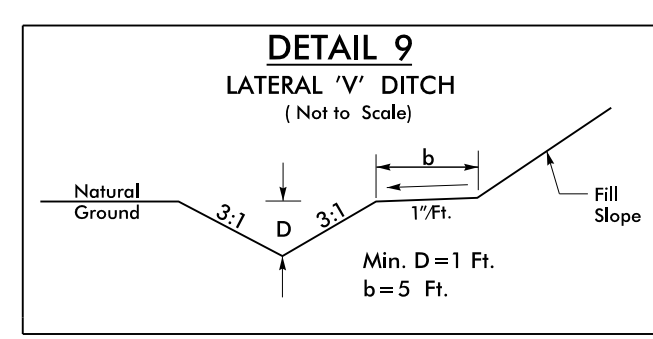
\$\$\$\$\$SUBSERIALS\$\$\$\$\$

MATCH LINE -Y8- STA. 22+50.00 SEE SHEET 6

PROJECT REFERENCE NO.	SHEET NO.
U-5796	EC-15/CONST.9
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



FROM STA. 35+50 TO STA. 35+77 -Y8- LT
 FROM STA. 10+41 TO STA. 13+60 -Y10- LT
 FROM STA. 10+41 TO STA. 13+60 -Y10- RT
 FROM STA. 36+47 TO STA. 37+00 -Y8- LT

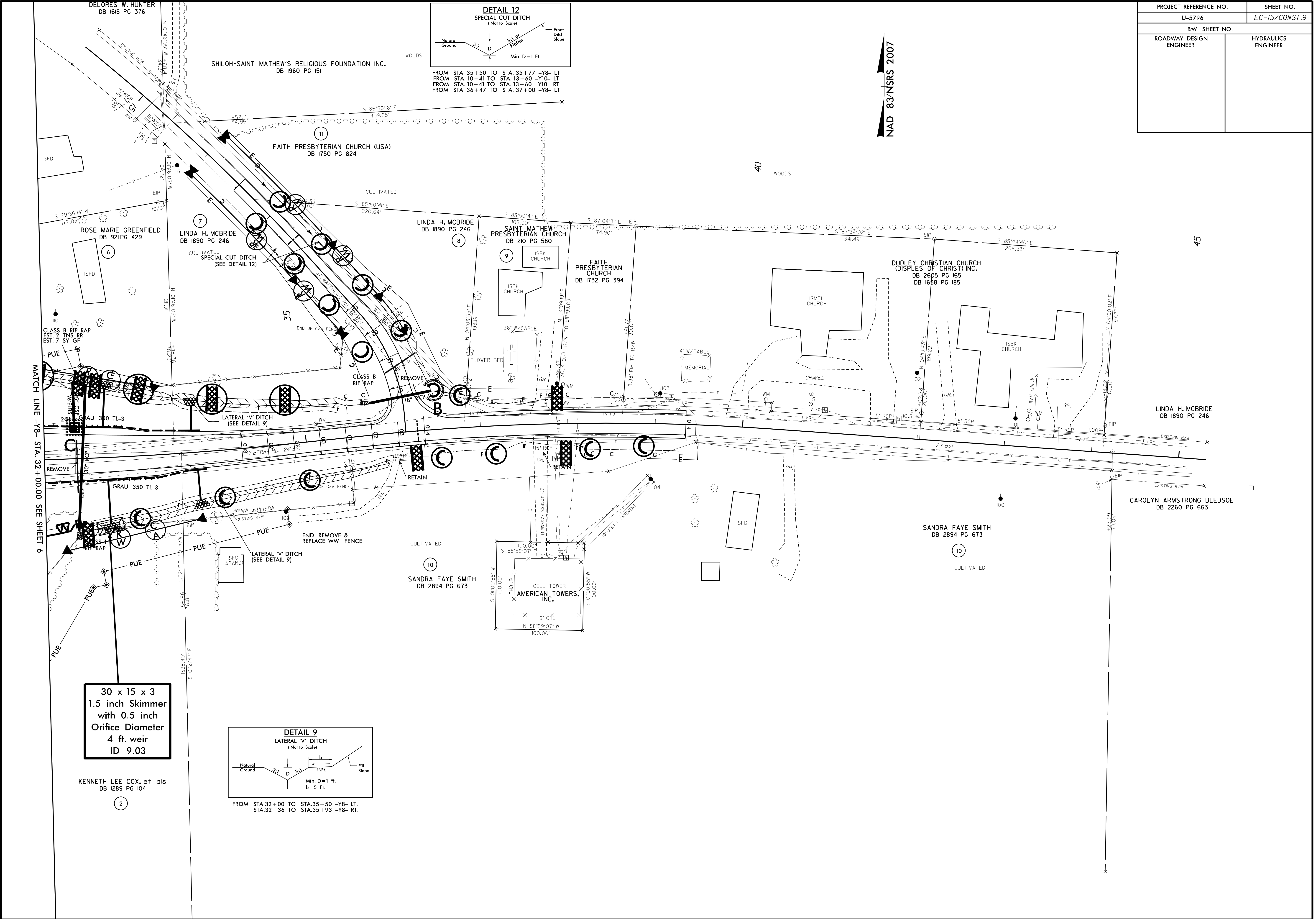


FROM STA. 32+00 TO STA. 35+50 -Y8- LT.
 STA. 32+36 TO STA. 35+93 -Y8- RT.

30 x 15 x 3
 1.5 inch Skimmer
 with 0.5 inch
 Orifice Diameter
 4 ft. weir
 ID 9.03

KENNETH LEE COX, et als
 DB 1289 PG 104

NAD 83/NSRS 2007



REVISIONS

\$\$\$\$\$SUBSERVING\$\$\$\$\$

HP4500