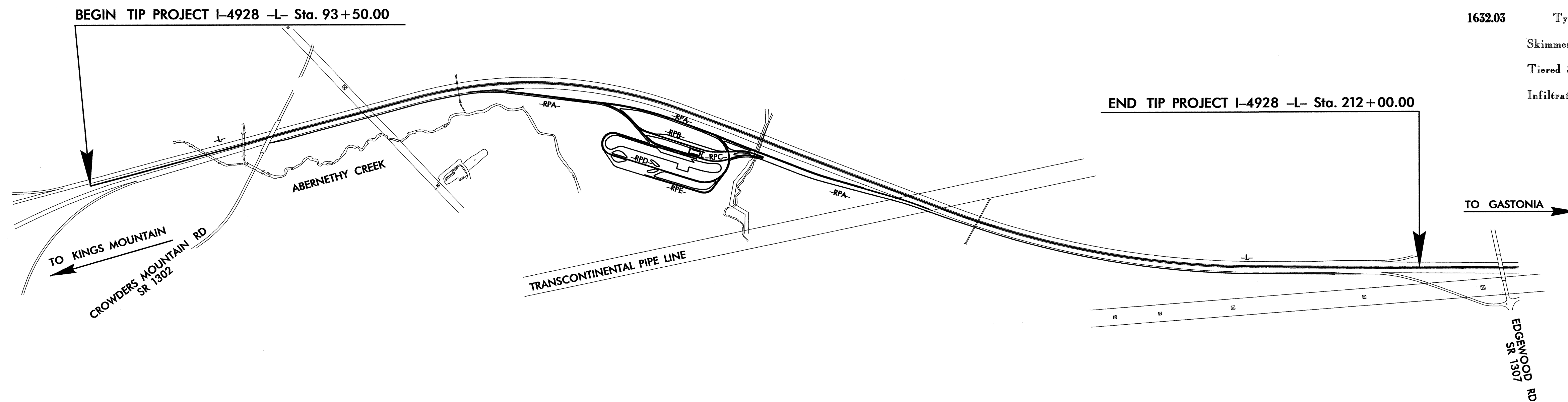
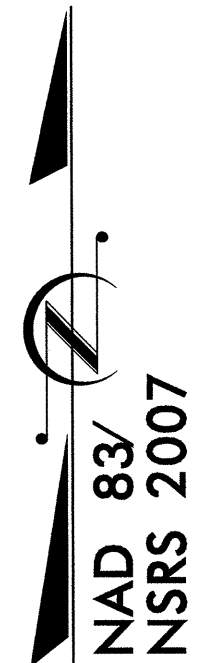


TIP PROJECT: I-4928

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

**LOCATION: NEW I-85 NBL WEIGH STATION FROM SR 1302
 (CROWDERS MOUNTAIN RD) TO SR 1307 (EDGEWOOD ROAD)**

**TYPE OF WORK: GRADING, PAVING, DRAINAGE, CULVERT,
 WIDENING, PAVEMENT, SIGNING, WEIGH STATION BUILDINGS, STATIC
 SCALES, COMMERCIAL VEHICLE INFORMATION SYSTEMS NETWORKS
 (CVISN) WEIGH-IN-MOTION (WIM) SCALE SYSTEM, & LIGHTING**

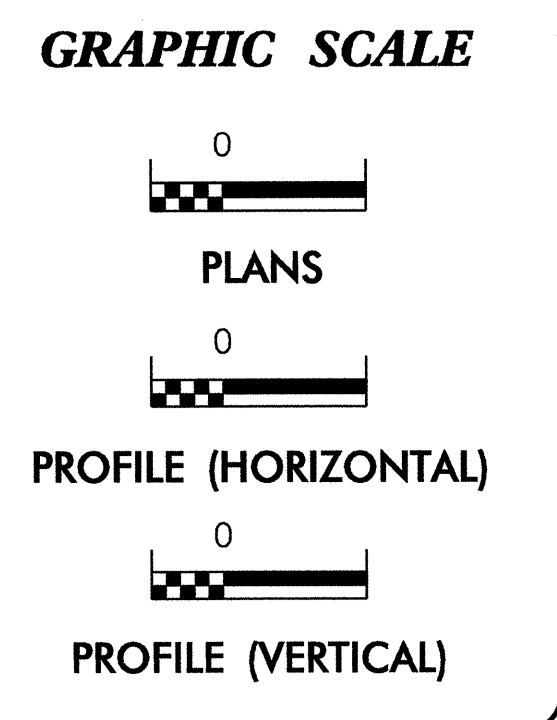


STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	I-4928	EC-1	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	

EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1630.03	Temporary Silt Ditch	--- TSD ---
1630.05	Temporary Diversion	--- TD ---
1605.01	Temporary Silt Fence	--- SIF ---
1606.01	Special Sediment Control Fence	--- SCF ---
1622.01	Temporary Berms and Slope Drains	--- TBSD ---
1630.02	Silt Basin Type B	--- SB ---
1633.01	Temporary Rock Silt Check Type-A	--- TRSCA ---
	Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	--- TRSCA/PAM ---
1633.02	Temporary Rock Silt Check Type-B	--- TRSCB ---
	Wattle / Coir Fiber Wattle	--- W ---
	Wattle / Coir Fiber Wattle with Polyacrylamide (PAM)	--- W/PAM ---
1634.01	Temporary Rock Sediment Dam Type-A	--- TRSDA ---
1634.02	Temporary Rock Sediment Dam Type-B	--- TRSDB ---
1635.01	Rock Pipe Inlet Sediment Trap Type-A	--- RPISDA ---
1635.02	Rock Pipe Inlet Sediment Trap Type-B	--- RPISDB ---
1630.04	Stilling Basin	--- SBAS ---
1630.06	Special Stilling Basin	--- SSBAS ---
	Rock Inlet Sediment Trap:	
1632.01	Type A	--- RISTRA A ---
1632.02	Type B	--- RISTRA B ---
1632.03	Type C	--- RISTRA C ---
	Skimmer Basin	--- SKBAS ---
	Tiered Skimmer Basin	--- TSBAS ---
	Infiltration Basin	--- IBAS ---

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



ROADSIDE ENVIRONMENTAL UNIT
 DIVISION OF HIGHWAYS
 STATE OF NORTH CAROLINA

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

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

Roadway Standard Drawings

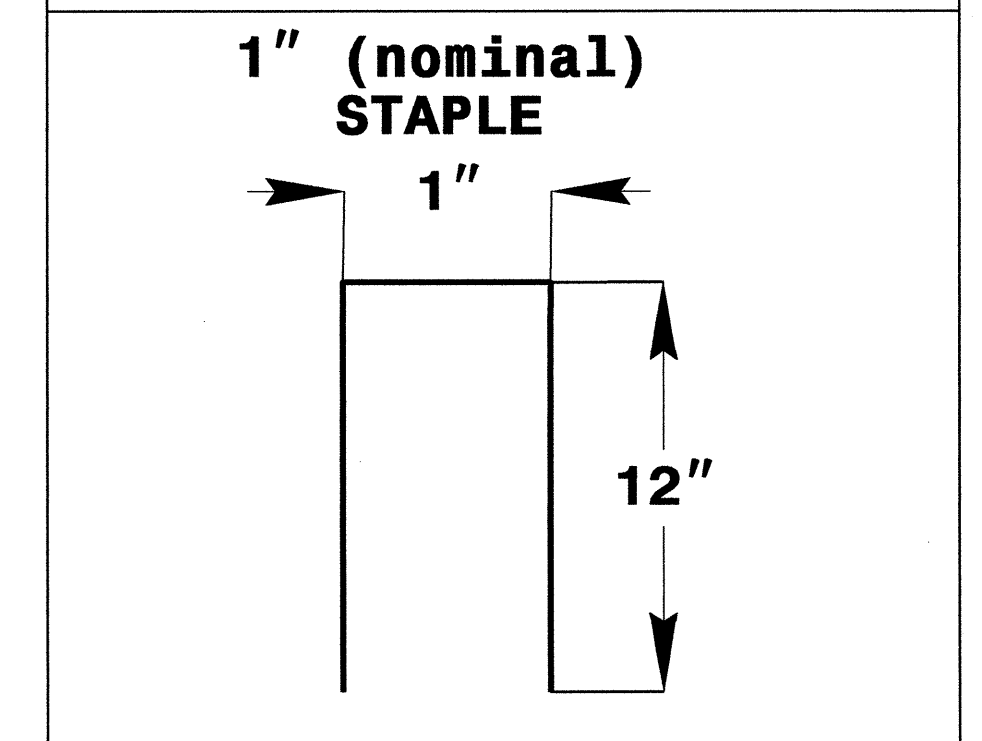
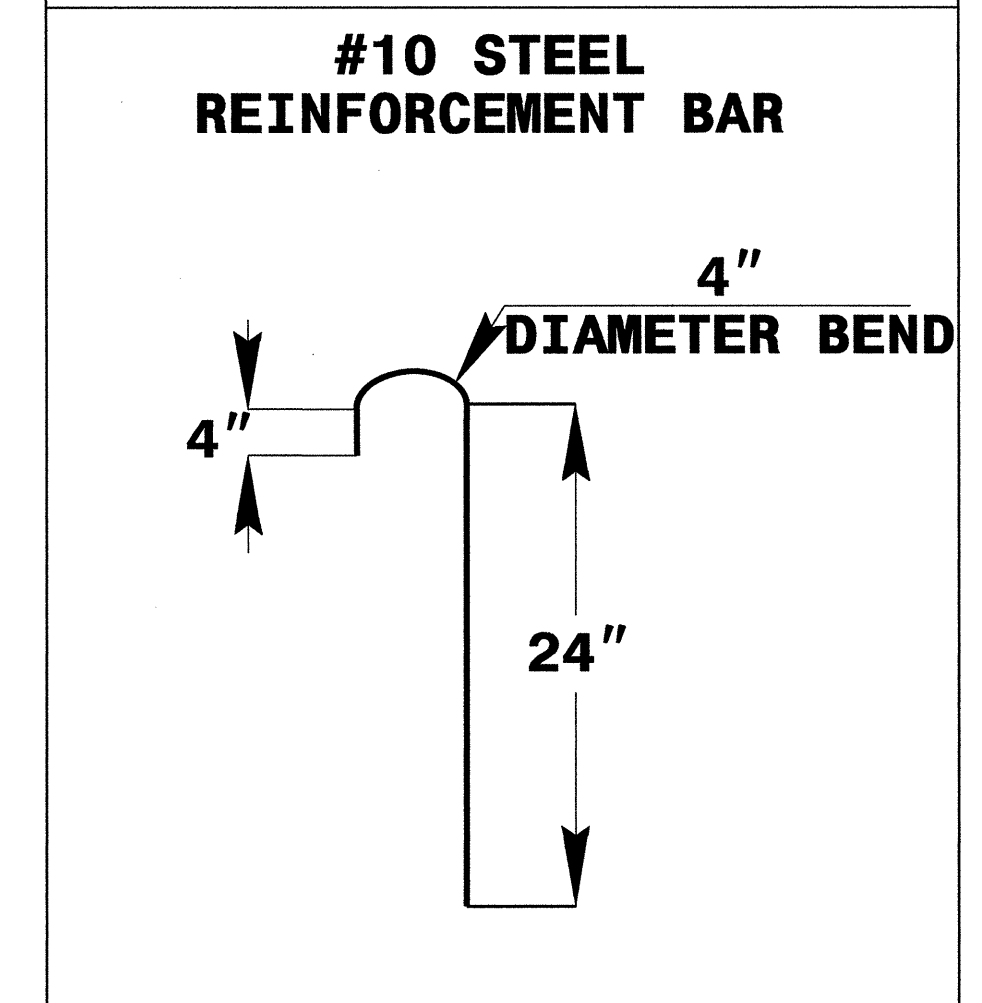
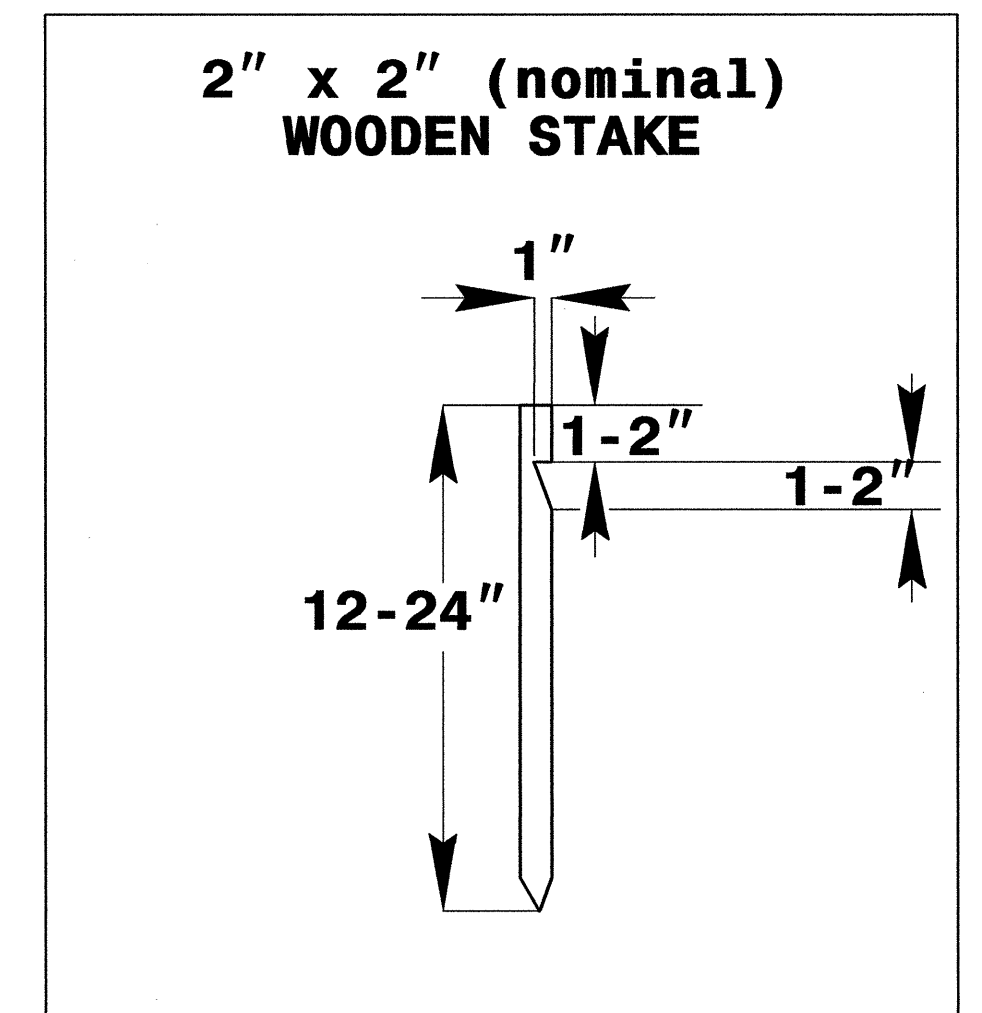
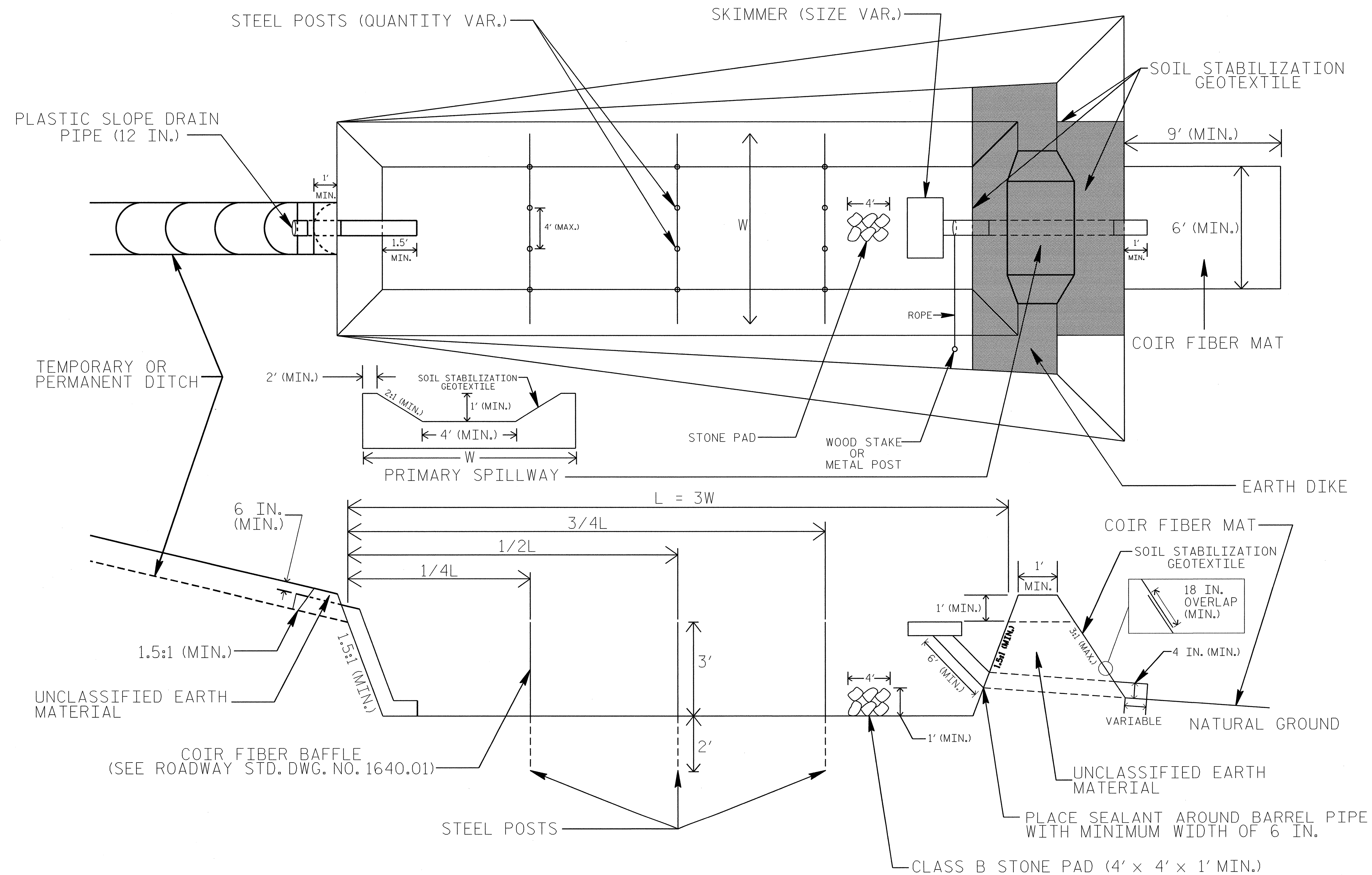
The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 2012 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

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	

RA-EC-1-4928-EC-1.dgn
 J:\projects\1-4928\1-4928-EC-1.dgn
 J:\projects\1-4928\1-4928-EC-1.dgn

PROJECT REFERENCE NO. 1-4928	SHEET NO. EC-2
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

SKIMMER BASIN WITH BAFFLES DETAIL



COIR FIBER MAT ANCHOR OPTIONS

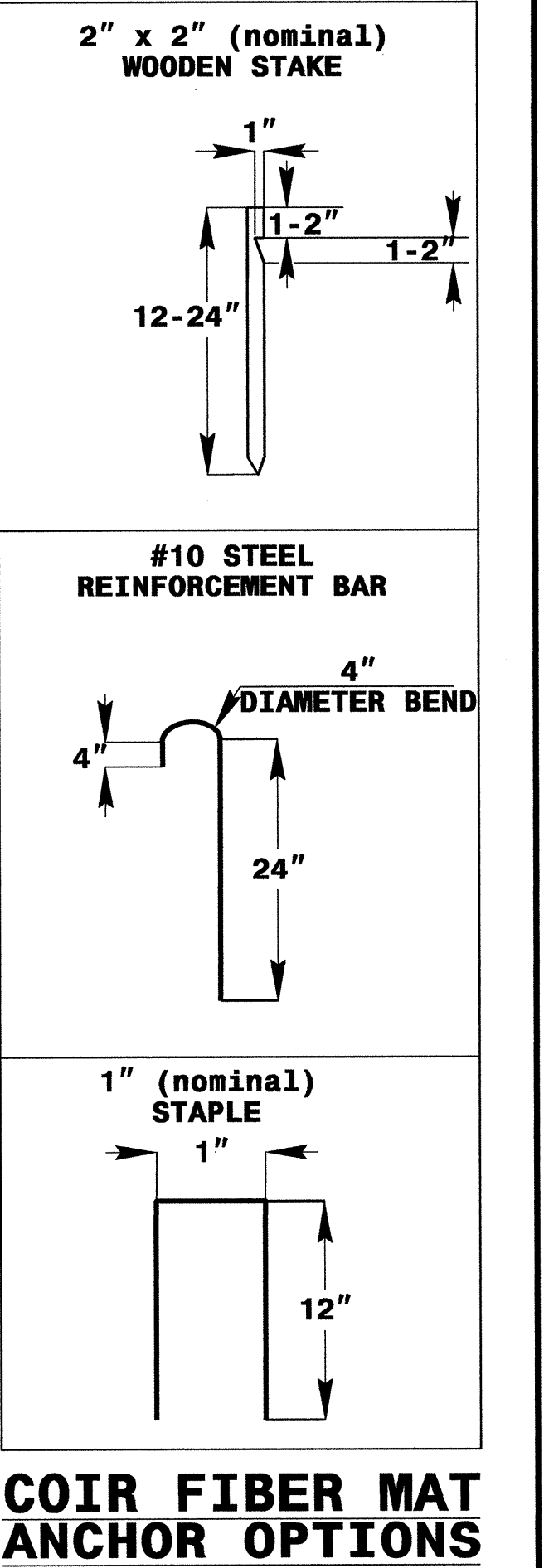
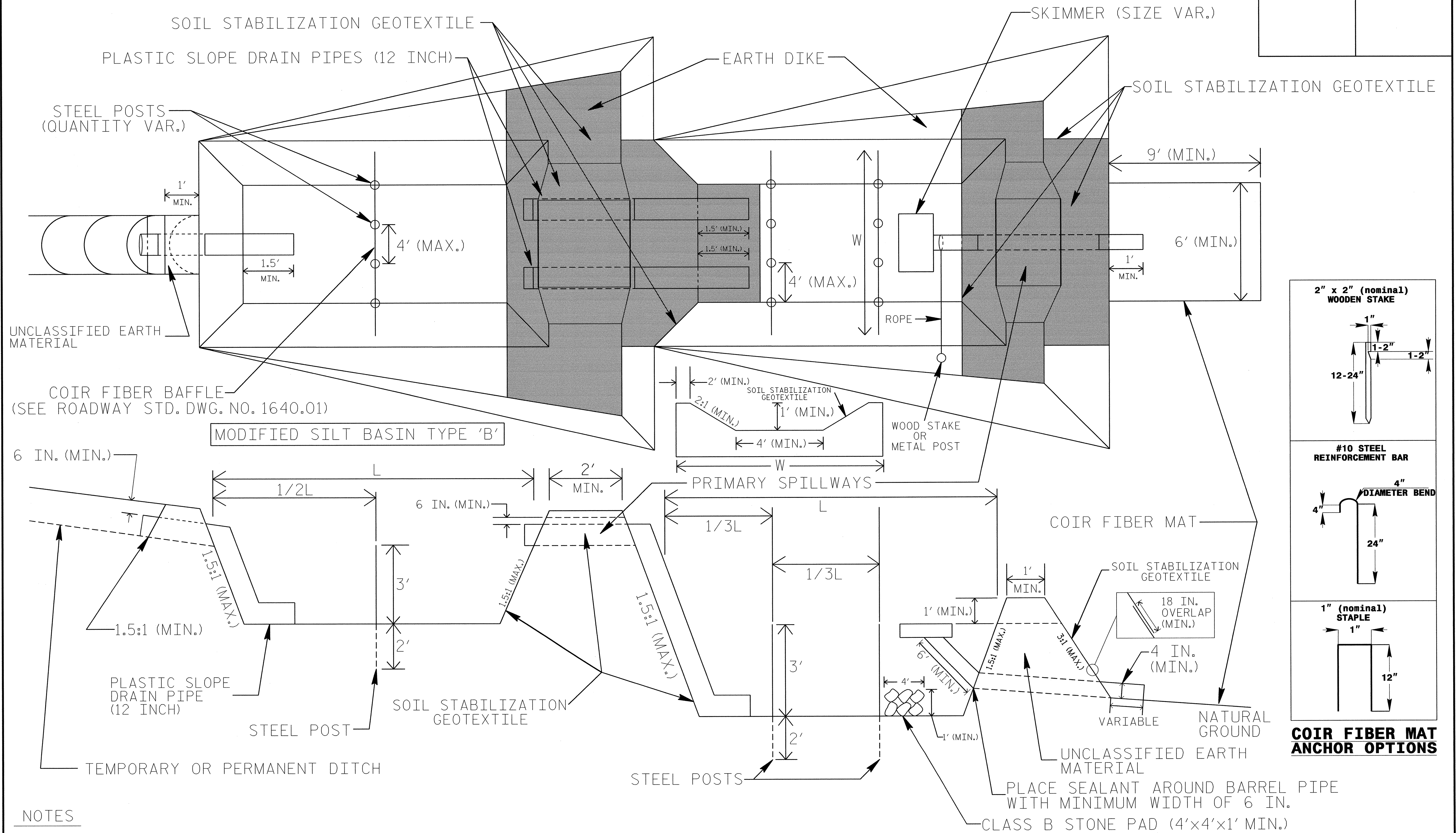
NOTES

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 $Q/0.4$, 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

TIERED SKIMMER BASIN DETAIL

PROJECT REFERENCE NO. 1-4928	SHEET NO. EC-2A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



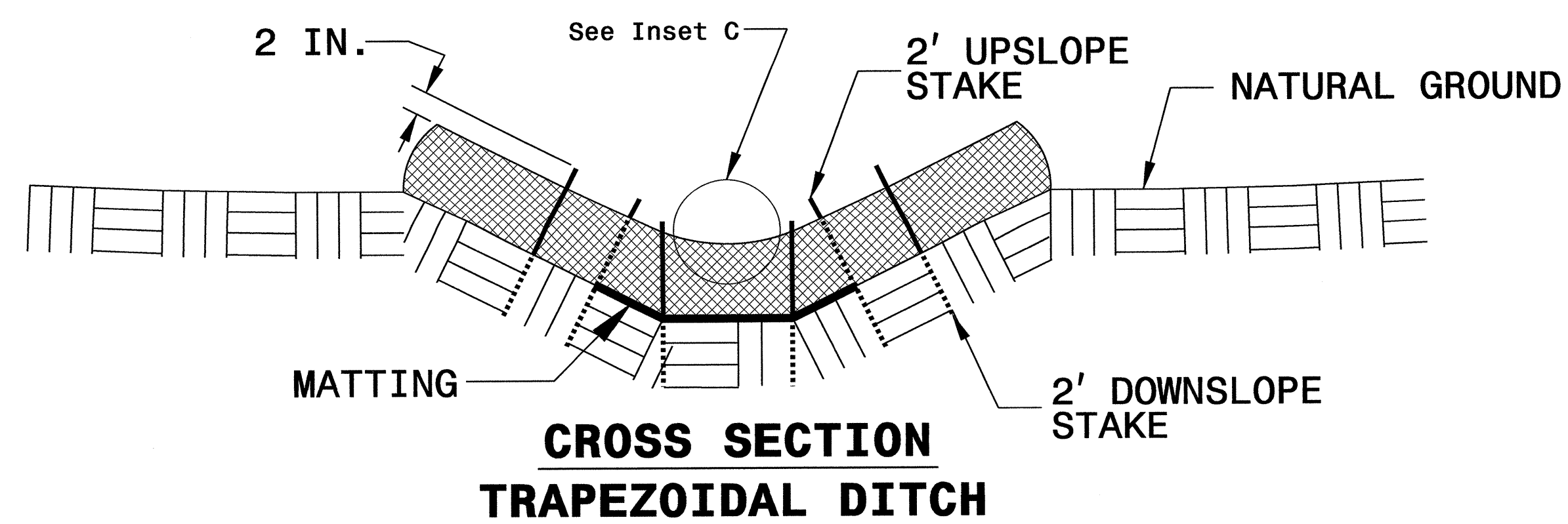
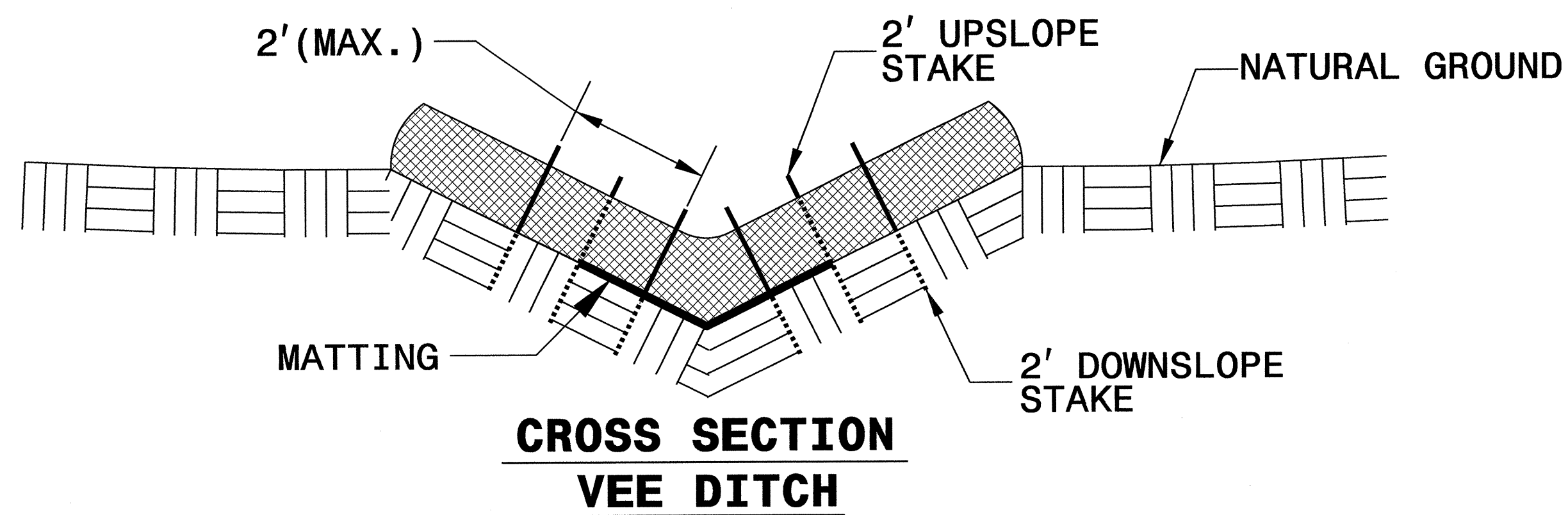
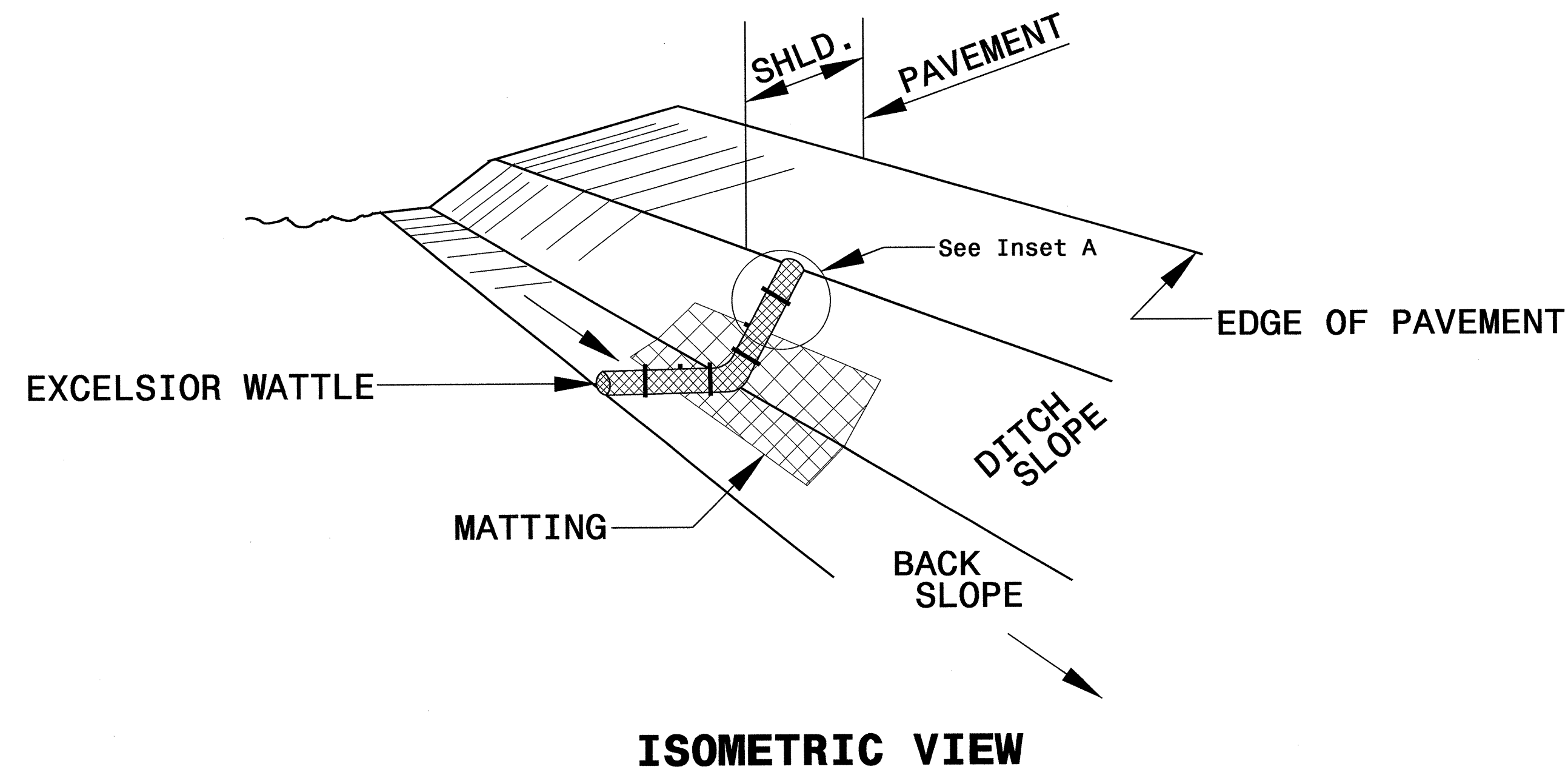
NOTES

1. SEED AND PLACE MATTING FOR EROSION CONTROL ON INTERIOR AND EXTERIOR SIDESLOPES OF BASINS.
2. LIMIT HEIGHT OF EARTH DIKES TO 5 FT.
3. ADDITIONAL MODIFIED SILT BASINS TYPE 'B' MAY BE NEEDED DEPENDING ON SLOPE.
4. FOR BASIN DEPTHS OF 3FT., THE MINIMUM BASIN WIDTHS SHALL BE 9 FT.
5. DETERMINE PRIMARY SPILLWAY LENGTHS (FT.) USING $Q/0.4$, WHERE Q IS FLOW RATE (CFS) INTO UPPER BASIN.
6. SOIL STABILIZATION GEOTEXTILE FOR PRIMARY SPILLWAYS SHALL BE ONE CONTINUOUS PIECE OF MATERIAL OR OVERLAPPED 18 IN. (MIN.).

NOT TO SCALE

PROJECT REFERENCE NO. 1-4928	SHEET NO. EC-2B
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.

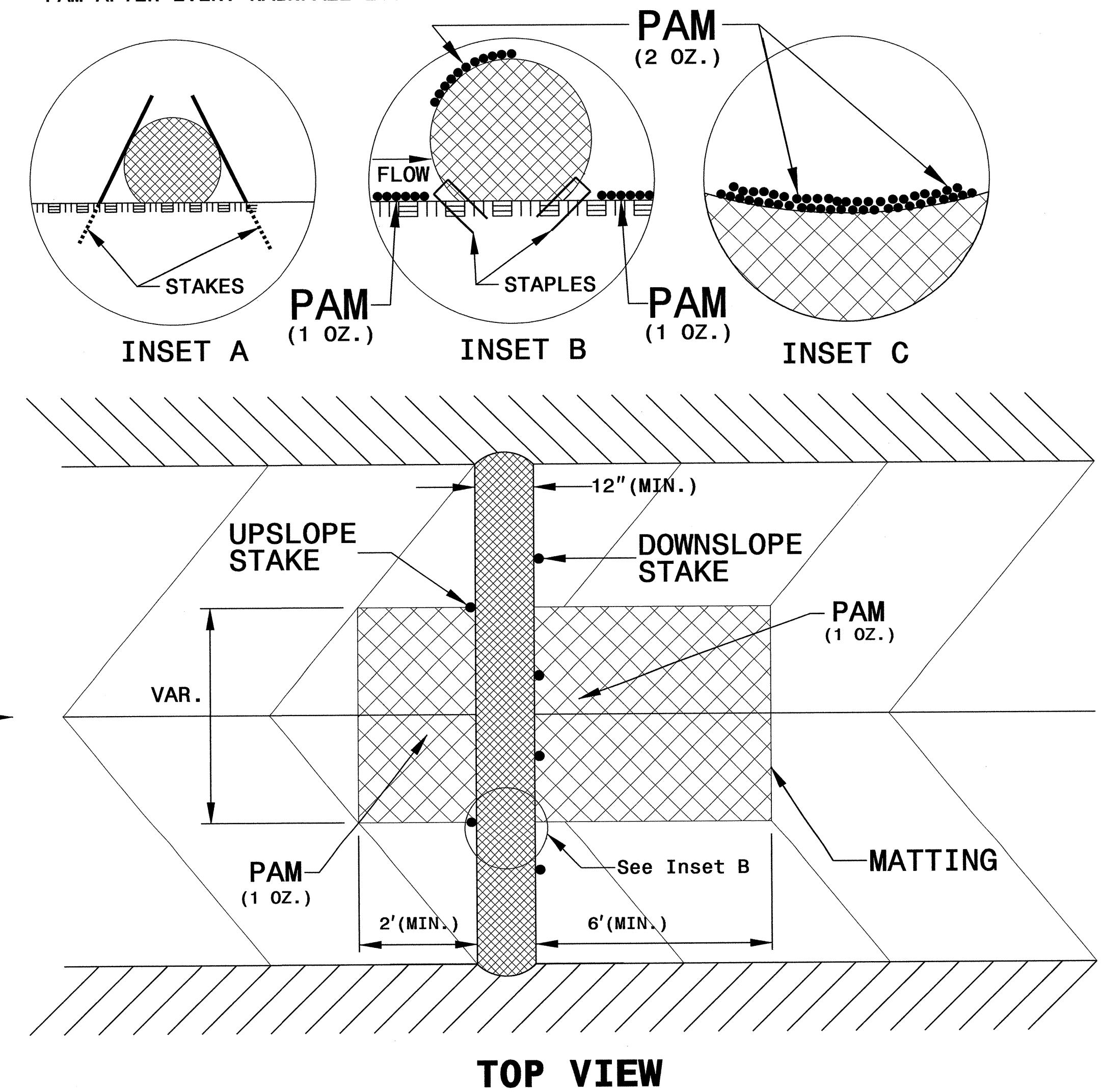
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

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.

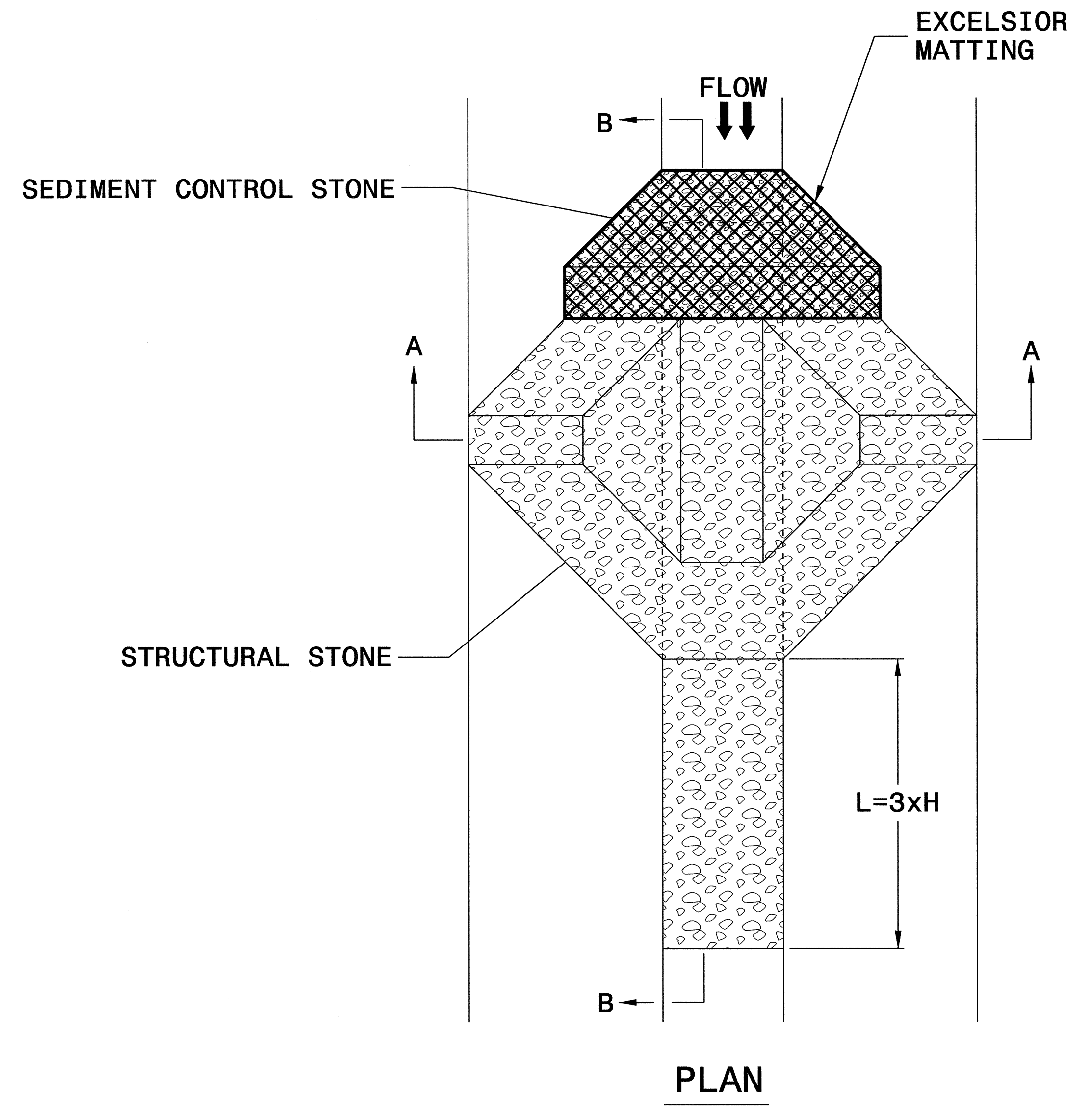
PRIOR TO POLYACRYLAMIDE (PAM) APPLICATION, OBTAIN A SOIL SAMPLE FROM PROJECT LOCATION, AND FROM OFFSITE MATERIAL, AND ANALYZE FOR APPROPRIATE PAM FLOCCULANT TO BE APPLIED TO EACH WATTLE.

INITIALLY APPLY 2 OUNCES OF ANIONIC OR NEUTRALLY CHARGED PAM OVER WATTLE WHERE WATER WILL FLOW AND 1 OUNCE OF PAM ON MATTING ON EACH SIDE OF WATTLE. REAPPLY PAM AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 0.50 IN.



PROJECT REFERENCE NO. 1-4928	SHEET NO. EC-2C
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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

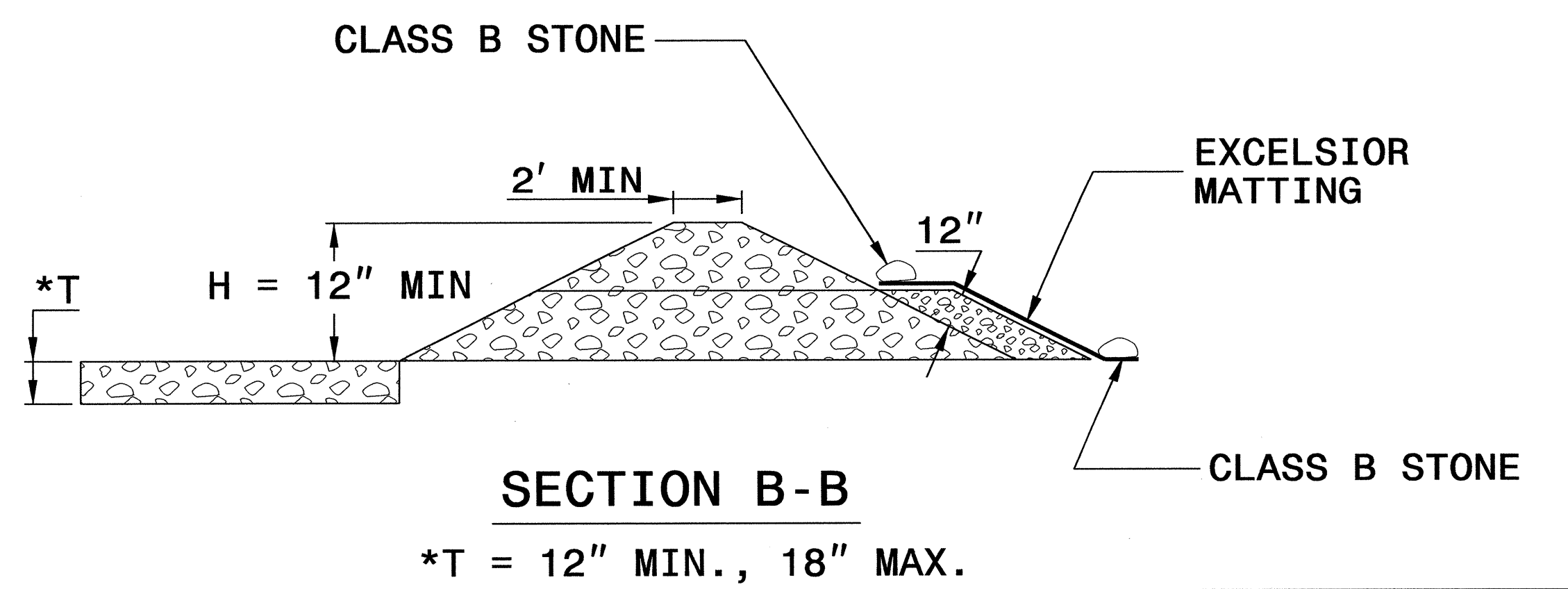
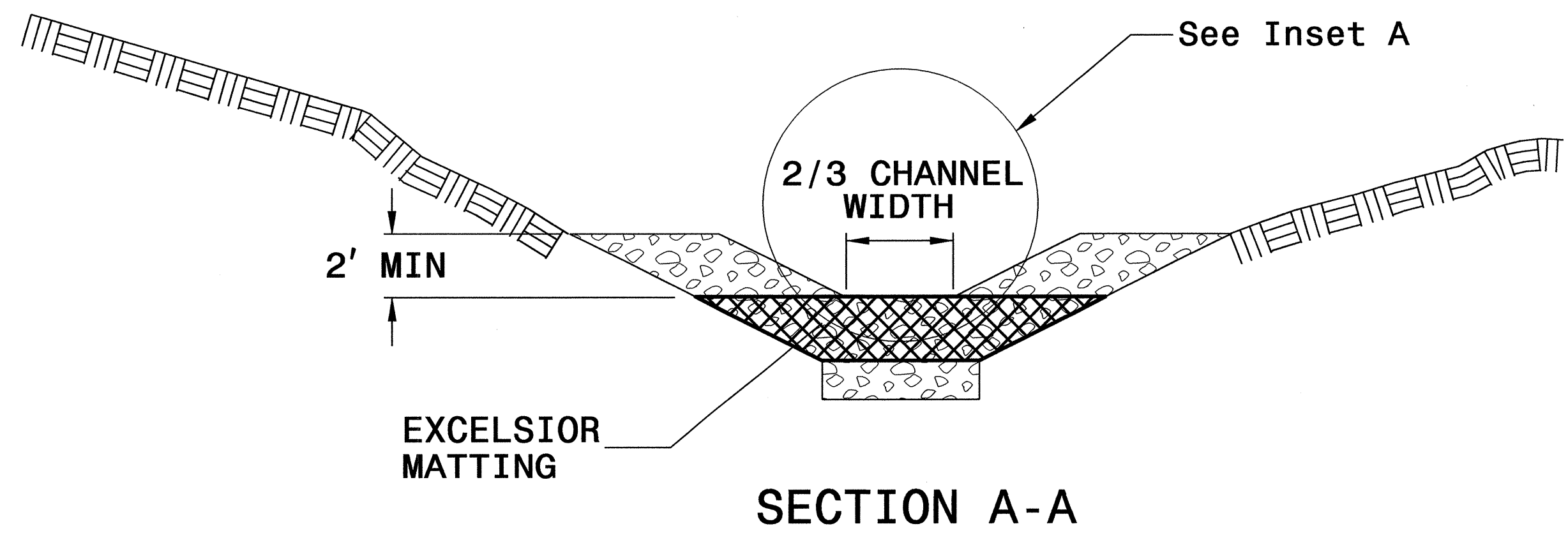
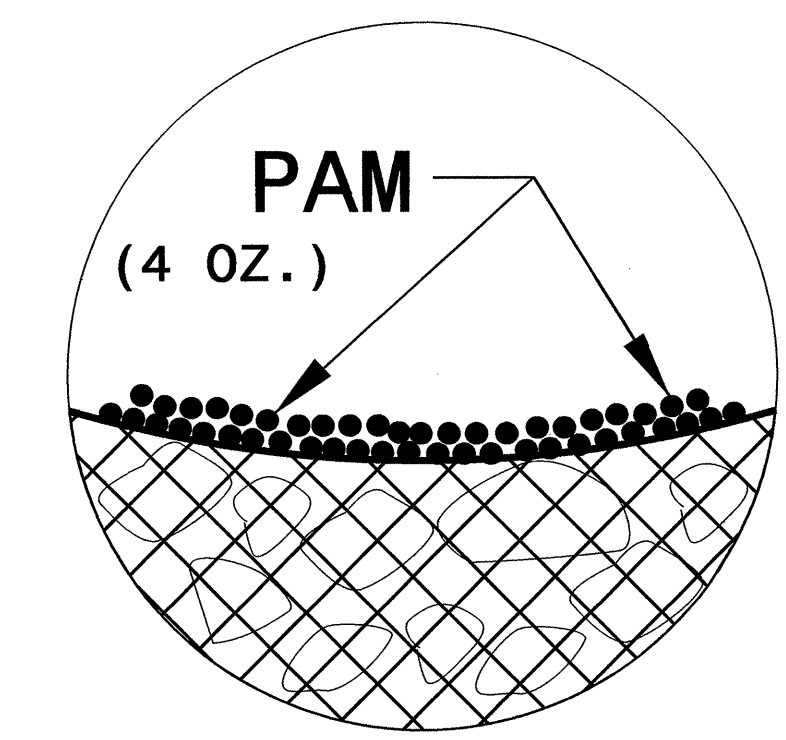


NOTES

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

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

PROJECT REFERENCE NO. <i>1-4928</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.

8/17/99

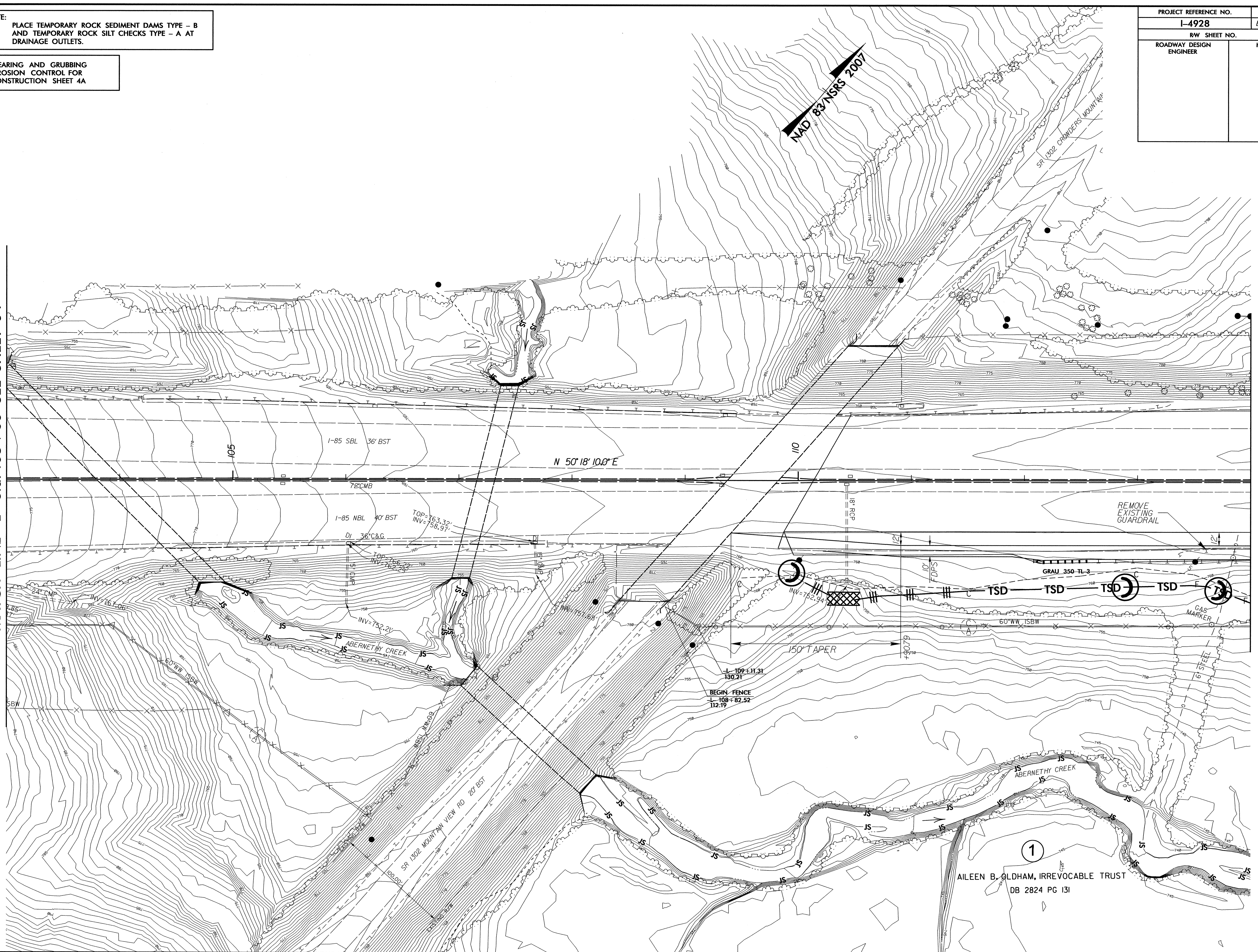
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 4A

PROJECT REFERENCE NO. I-4928	SHEET NO. <i>EC-4/CONST.4A</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

MATCH LINE -L- Sta. 103+00 SEE SHEET 04

MATCH LINE -L- Sta. 114+00 SEE SHEET 05



L-109+11.31
130.21
BEGIN FENCE
L-108+82.52
112.19

1
AILEEN B. OLDHAM, IRREVOCABLE TRUST
DB 2824 PG 131

08-NOV-2013 12:15
R:\enviroment\p\I-4928-EC-ps-h4.dgn
R:\enviroment\p\I-4928-EC-ps-h4.dgn

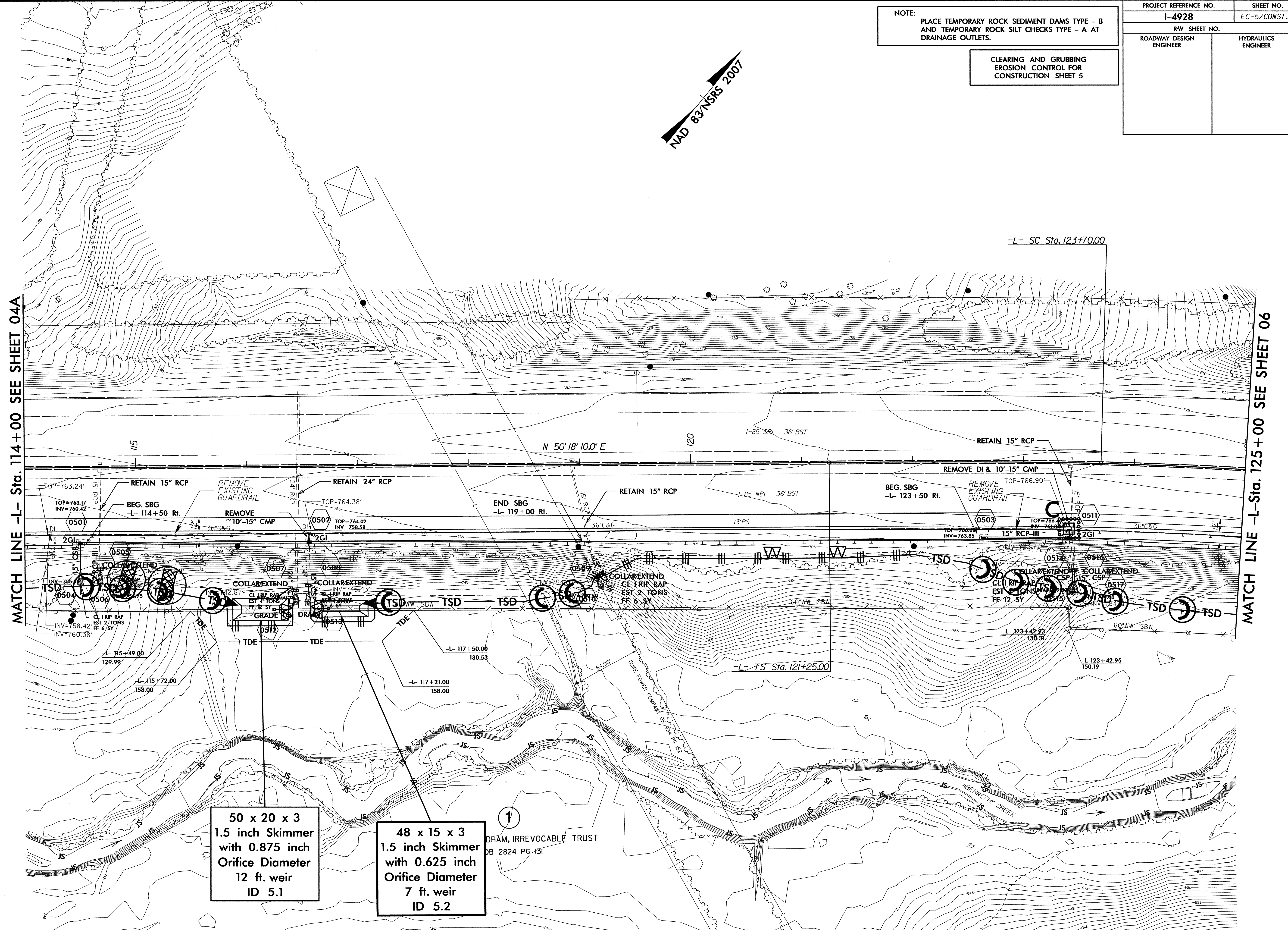
8/17/99

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

PROJECT REFERENCE NO. I-4928	SHEET NO. EC-5/CONST.5
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/NSRS 2007



MATCH LINE -L- Sta. 114 +00 SEE SHEET 04A

MATCH LINE -L- Sta. 125 +00 SEE SHEET 06

50 x 20 x 3
 1.5 inch Skimmer
 with 0.875 inch
 Orifice Diameter
 12 ft. weir
 ID 5.1

48 x 15 x 3
 1.5 inch Skimmer
 with 0.625 inch
 Orifice Diameter
 7 ft. weir
 ID 5.2

08-NOV-2013 14:36
 R:\Environment\I-4928-EC-ph5.dgn
 R:\Environment\I-4928-EC-ph5.dgn

DHAM, IRREVOCABLE TRUST
 DB 2824 PG 131

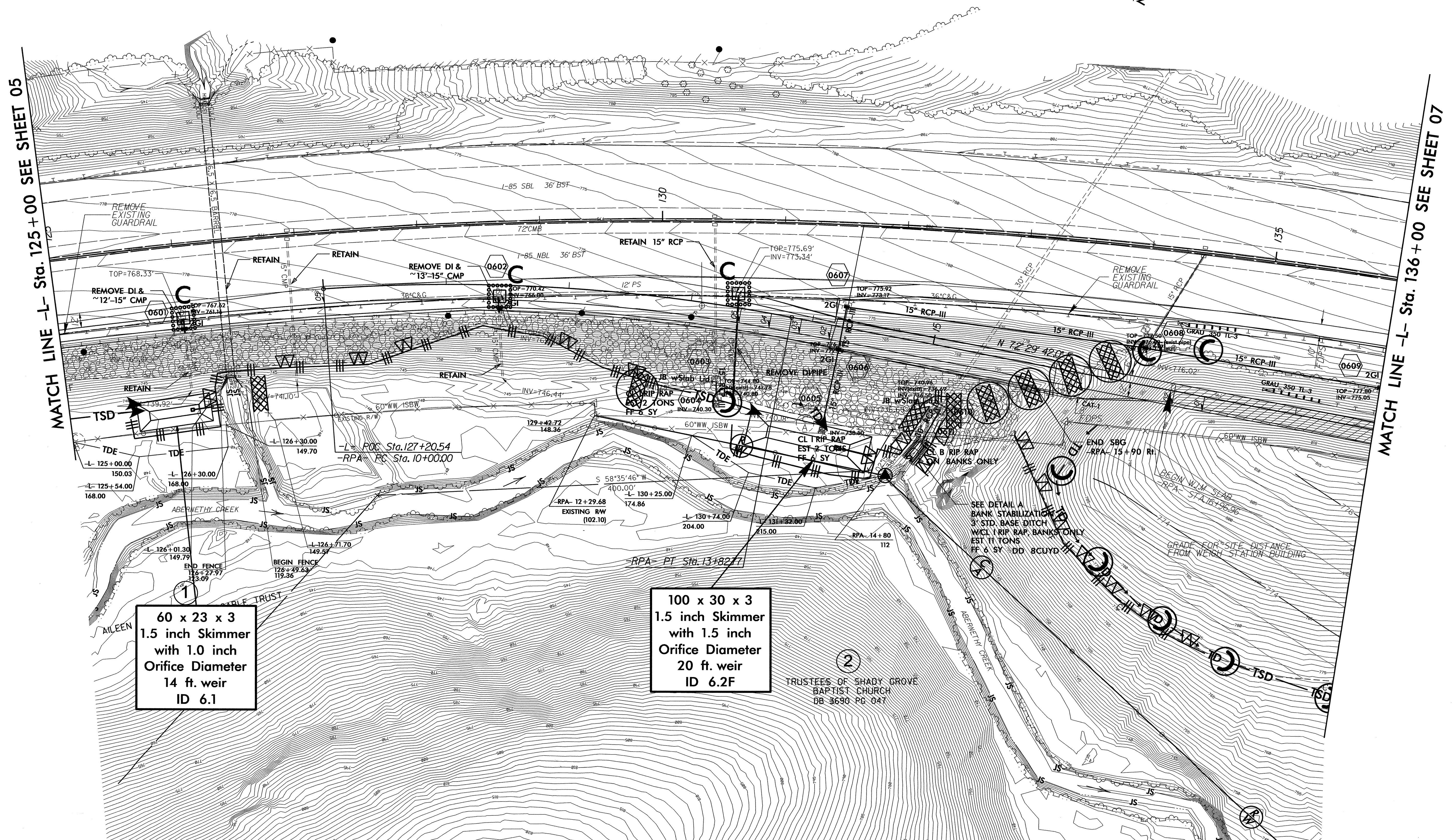
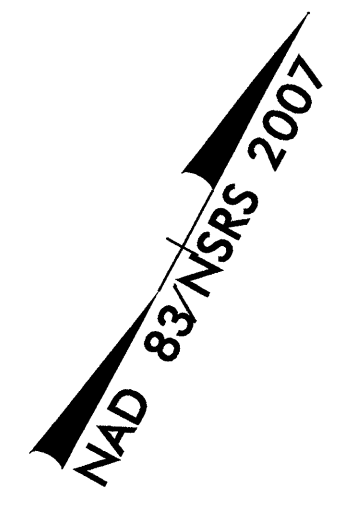
8/17/99

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 6

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.

PROJECT REFERENCE NO. I-4928	SHEET NO. EC-6/CONST.6
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCH LINE -L- Sta. 125+00 SEE SHEET 05

MATCH LINE -L- Sta. 136+00 SEE SHEET 07

60 x 23 x 3
1.5 inch Skimmer
with 1.0 inch
Orifice Diameter
14 ft. weir
ID 6.1

100 x 30 x 3
1.5 inch Skimmer
with 1.5 inch
Orifice Diameter
20 ft. weir
ID 6.2F

TRUSTEES OF SHADY GROVE
BAPTIST CHURCH
DB 3690 PG 047

08-NOV-2013 14:37
R:\Environment\I-4928_EC-psht6.dgn
REVISION 1

PROJECT REFERENCE NO.	SHEET NO.
1-4928	EC-8/CONST.7
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

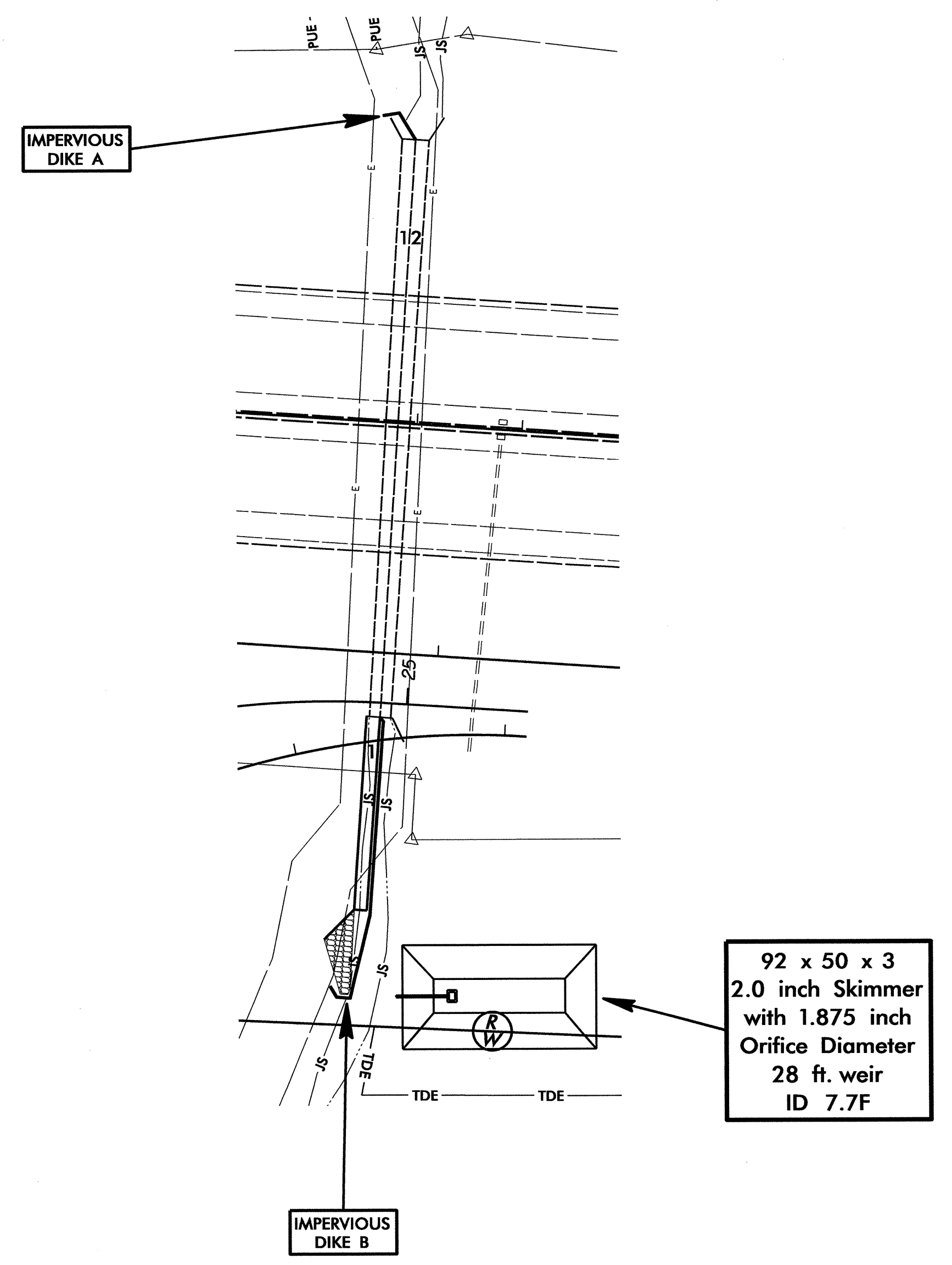
CULVERT CONSTRUCTION SEQUENCE STA. 153+40.68 -L-

PHASE I

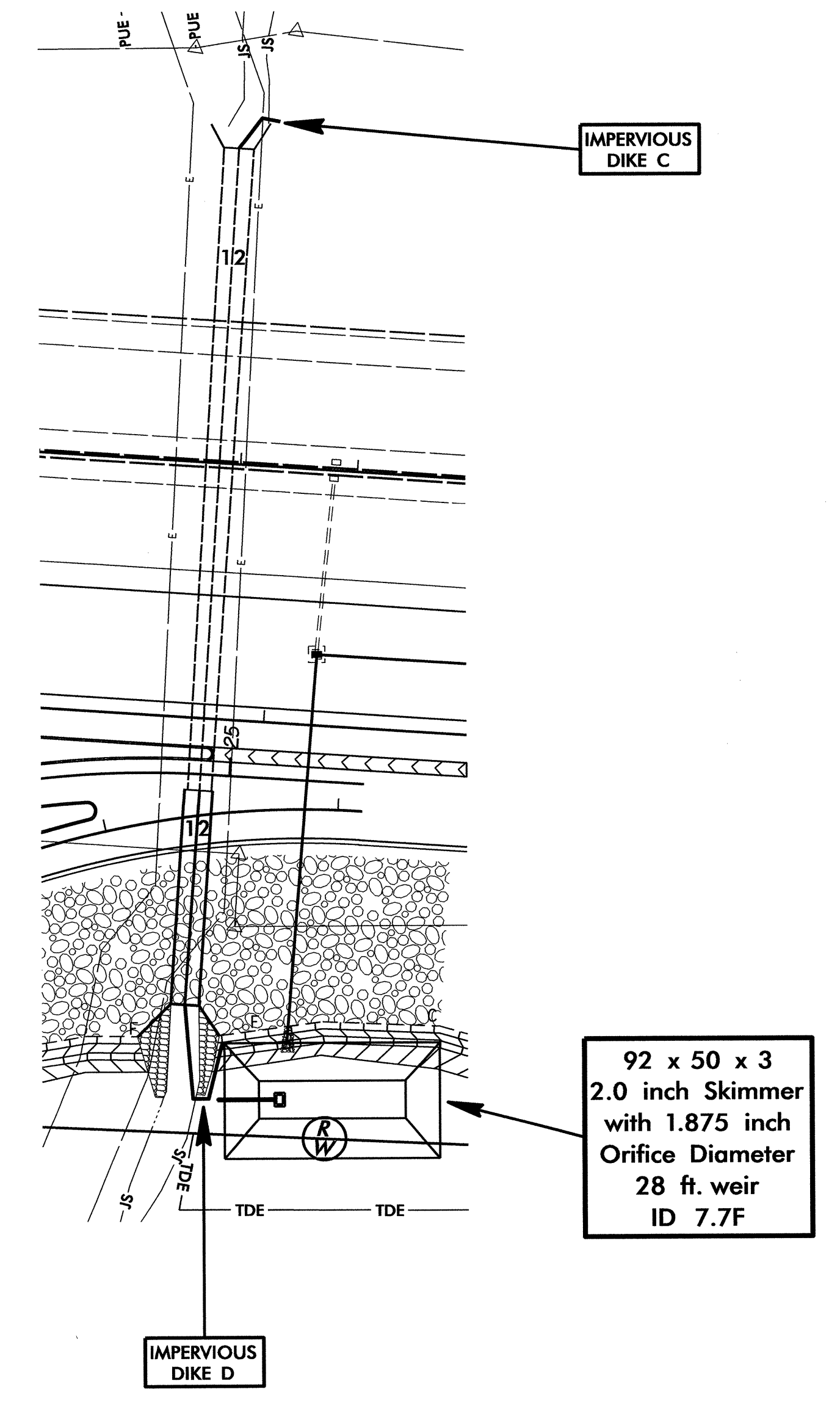
1. UTILIZE SKIMMER BASIN 7.7F AS STILLING BASIN AS NEEDED THROUGHOUT CULVERT CONSTRUCTION.
2. CONSTRUCT IMPERVIOUS DIKES A AND B, DIVERTING FLOW THROUGH BARREL 2.
3. CONSTRUCT PROPOSED CULVERT EXTENSION FOR BARREL 1 AND PORTION OF OUTLET CHANNEL IMPROVEMENTS.
4. REMOVE IMPERVIOUS DIKES A AND B.

PHASE II

5. CONSTRUCT IMPERVIOUS DIKES C AND D, DIVERTING FLOW THROUGH COMPLETED BARREL 1.
6. CONSTRUCT PROPOSED CULVERT EXTENSION FOR BARREL 2 AND REMAINDER OF OUTLET CHANNEL IMPROVEMENTS.
7. REMOVE IMPERVIOUS DIKES C AND D.
8. COMPLETE ROADWAY.



NAD 83/NSRS 2007



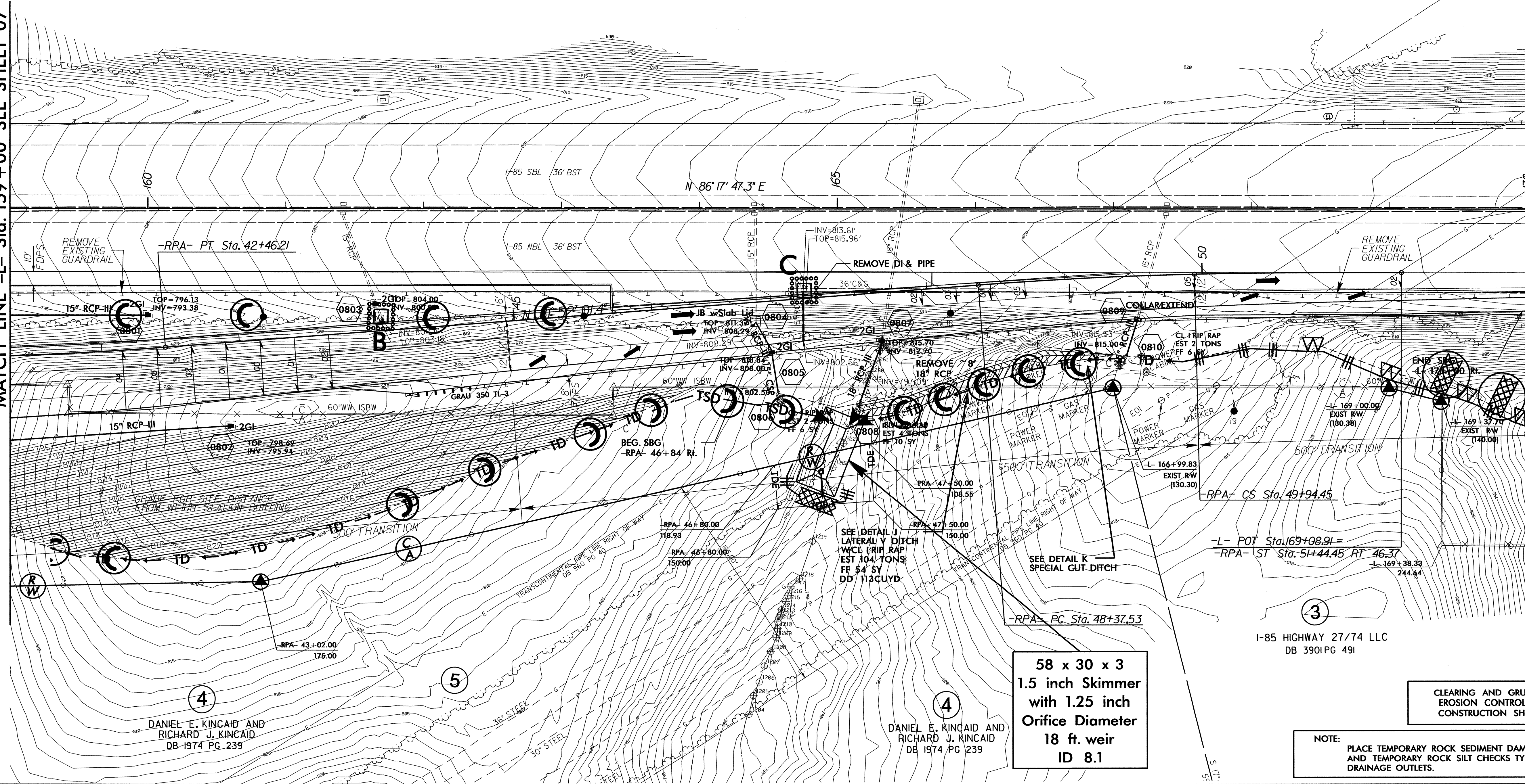
NAD 83/NSRS 2007

PROJECT REFERENCE NO.		SHEET NO.	
I-4928		EC-9/CONST.8	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

NAD 83/NSRS 2007

MATCH LINE -L- Sta. 159+00 SEE SHEET 07

MATCH LINE -L- Sta. 170+00 EE SHEET 09



58 x 30 x 3
1.5 inch Skimmer
with 1.25 inch
Orifice Diameter
18 ft. weir
ID 8.1

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 8

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

DANIEL E. KINCAID AND
RICHARD J. KINCAID
DB-1974 PG 239

DANIEL E. KINCAID AND
RICHARD J. KINCAID
DB-1974 PG 239

8/17/99
 08-NOV-2013 11:30
 R:\Environmental\Design\I-4928_EC_psh8.dgn
 11/15/13

08-NOV-2013 11:34
 RA-Environment
 8.17.99
 C:\Users\psh3\Documents\14928_EC-psd\14928_EC-psd.dwg
 14928_EC-psd.dwg

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

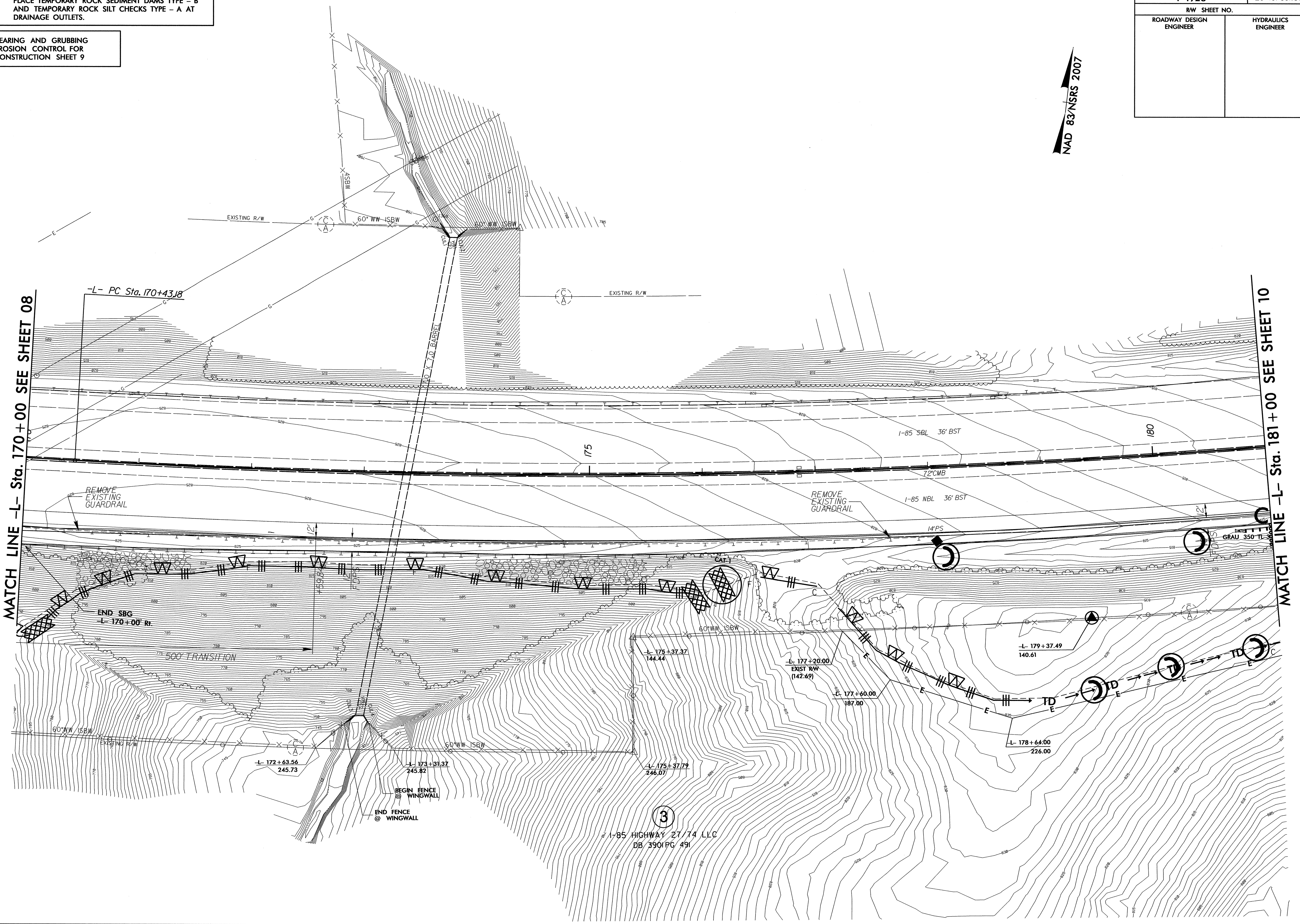
CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 9

PROJECT REFERENCE NO.		SHEET NO.	
I-4928		EC-10/CONST.9	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

NAD 83/NSRS 2007

MATCH LINE -L- Sta. 170+00 SEE SHEET 08

MATCH LINE -L- Sta. 181+00 SEE SHEET 10



8/17/99

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 10

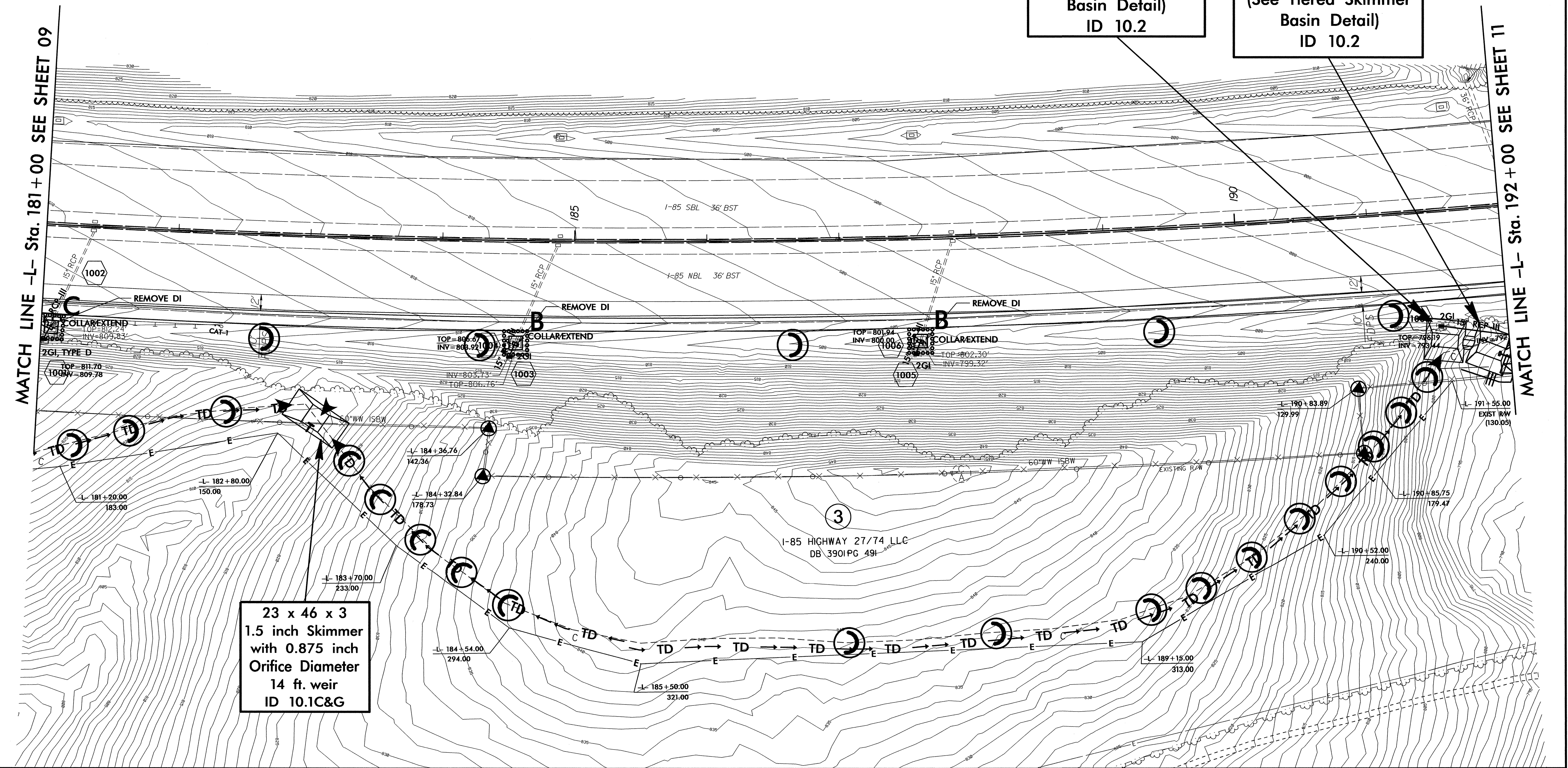
PROJECT REFERENCE NO. I-4928	SHEET NO. <i>EC-II/CONST 10</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



**Modified Silt Basin
Type 'B'
32 x 31 x 3
14 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 10.2**

**32 x 31 x 3
1.5 inch Skimmer
with 1.125 inch
Orifice Diameter
14 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 10.2**

**23 x 46 x 3
1.5 inch Skimmer
with 0.875 inch
Orifice Diameter
14 ft. weir
ID 10.1C&G**



08-NOV-2013 12:41
R:\Environment\I-4928-EC.psh10.dgn
REVISED 11/14/13

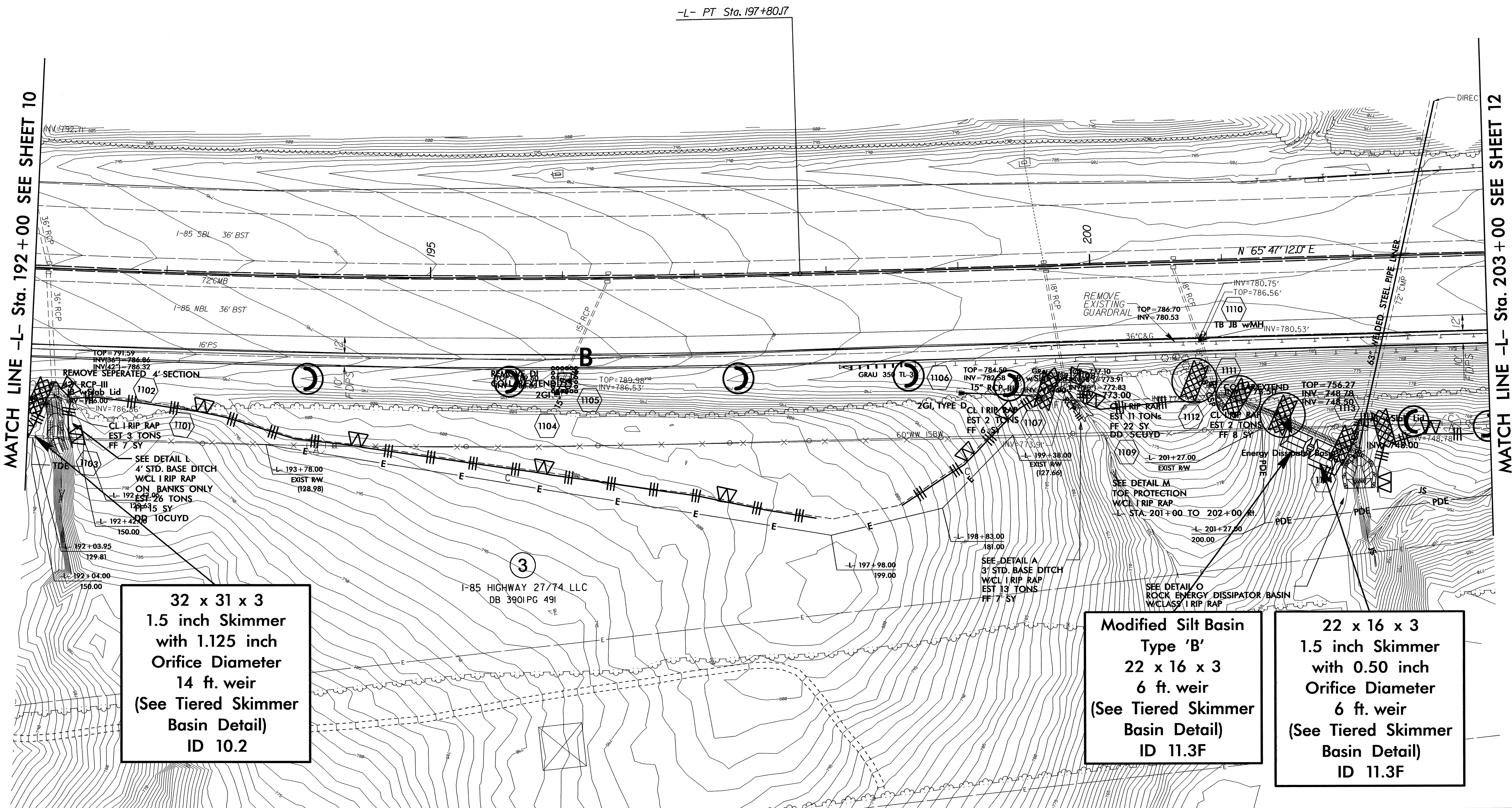
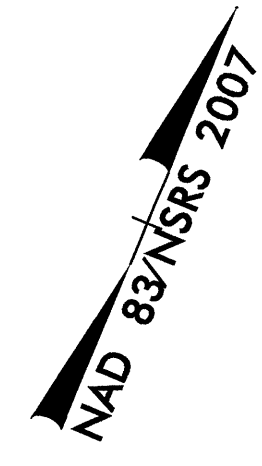
8/17/99

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 11

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.

PROJECT REFERENCE NO.	SHEET NO.
I-4928	EC-12/CONST.II
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCH LINE -L- Sta. 192+00 SEE SHEET 10

MATCH LINE -L- Sta. 203+00 SEE SHEET 12

-L- PT Sta. 197+80.17

32 x 31 x 3
1.5 inch Skimmer
with 1.125 inch
Orifice Diameter
14 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 10.2

Modified Silt Basin
Type 'B'
22 x 16 x 3
6 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 11.3F

22 x 16 x 3
1.5 inch Skimmer
with 0.50 inch
Orifice Diameter
6 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 11.3F

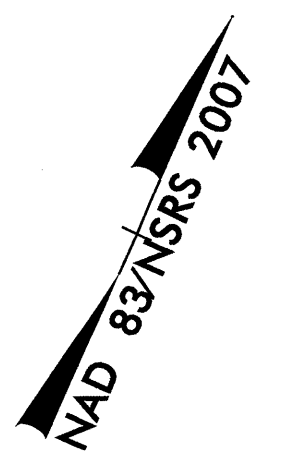
08-NOV-2013 11:49 AM
R:\Environment\I-4928-EC-psht11.dgn
ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

8/17/99

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 12

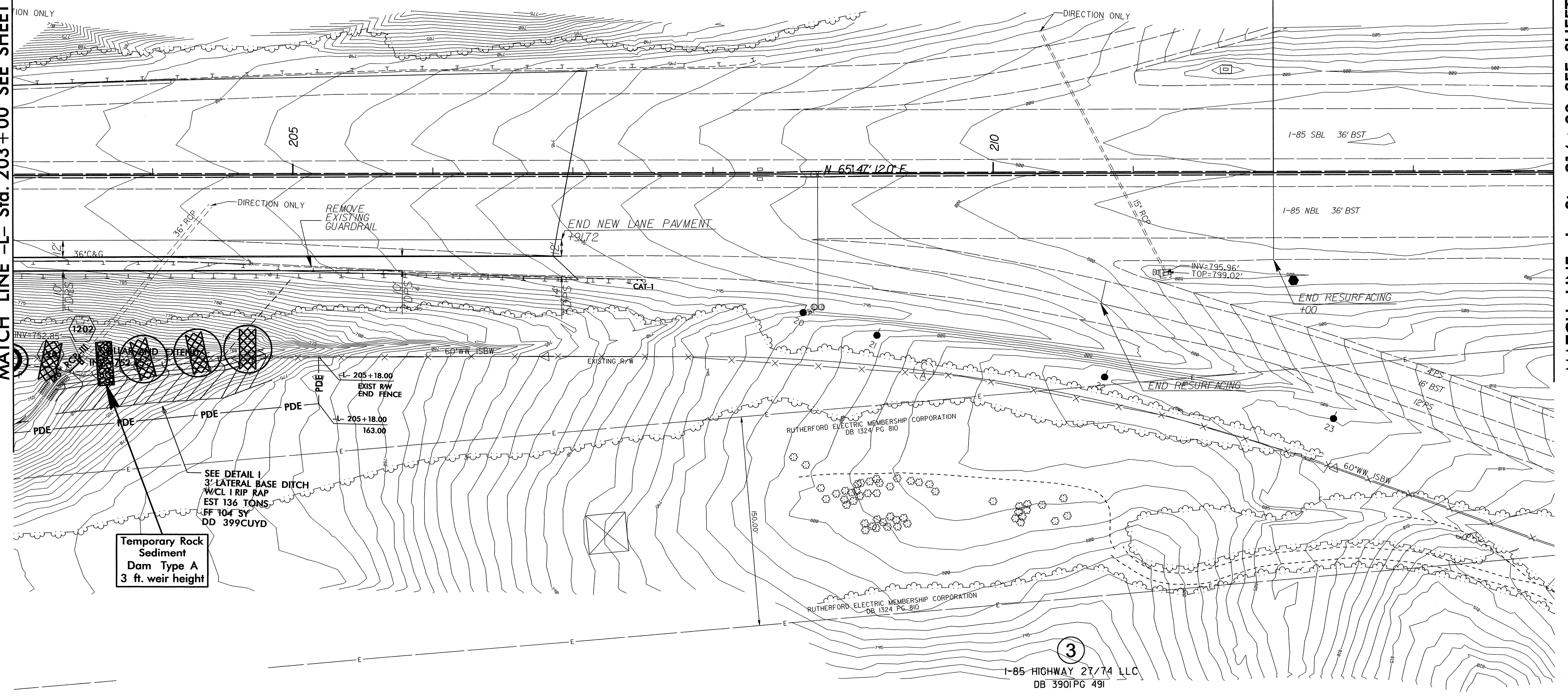
PROJECT REFERENCE NO.		SHEET NO.	
I-4928		EC-13/CONST.12	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	



-L- Sta.212+00.00 END TIP PROJECT I-4928

MATCH LINE -L- Sta. 203+00 SEE SHEET 11

MATCH LINE -L- Sta. 214+00 SEE SHEET 13



Q8: NOV-2013 11h:17
R: Environment 10/1/2013
ALL INFORMATION IS UNCLASSIFIED

Temporary Rock
Sediment
Dam Type A
3 ft. weir height

3
I-85 HIGHWAY 27/74 LLC
DB 3901PG 491

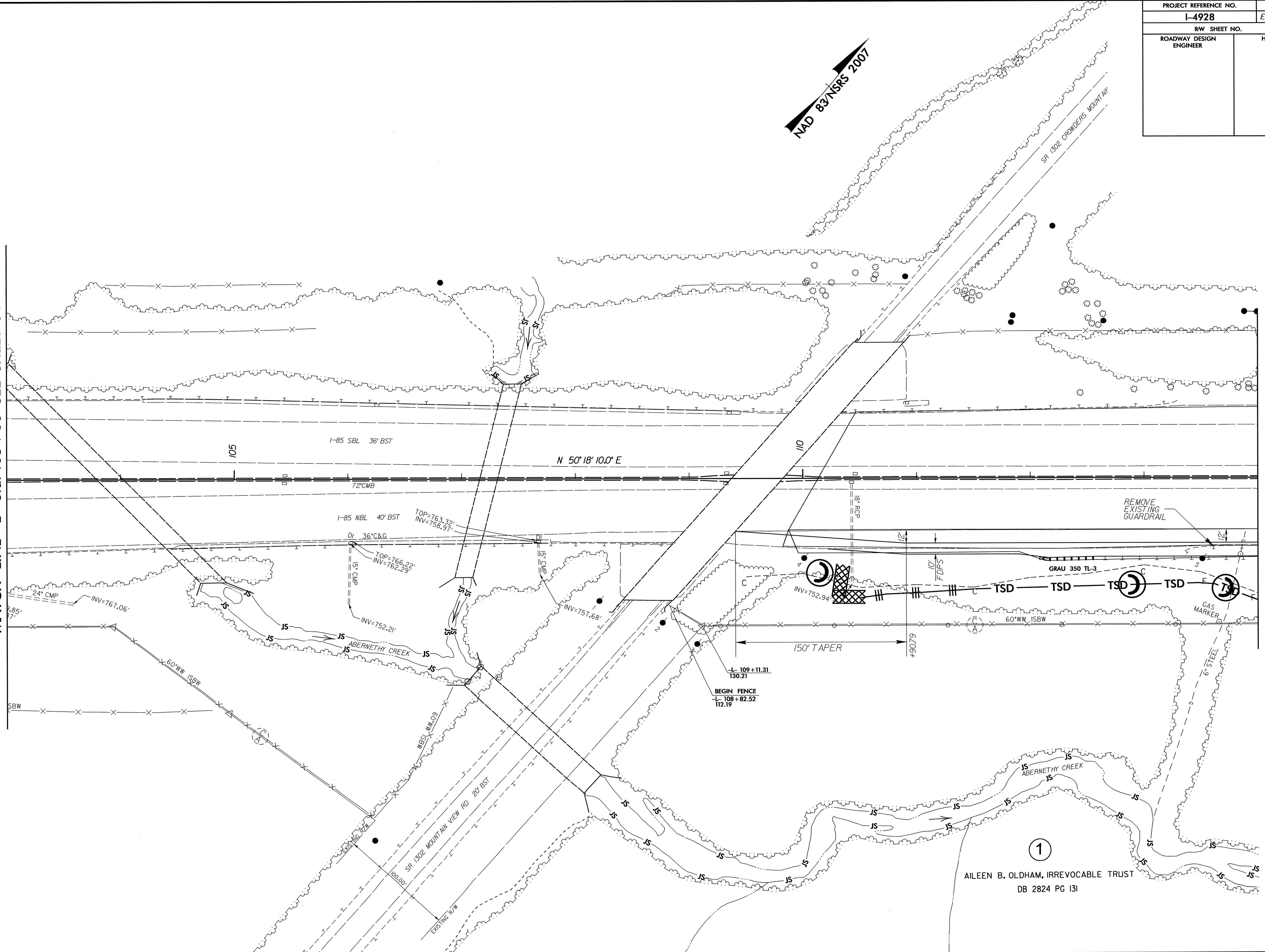
8/17/99

PROJECT REFERENCE NO.		SHEET NO.	
I-4928		EC-14/CONST.4A	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

NAD 83 NRS 2007

MATCH LINE -L- Sta. 103+00 SEE SHEET 04

MATCH LINE -L- Sta. 114+00 SEE SHEET 05

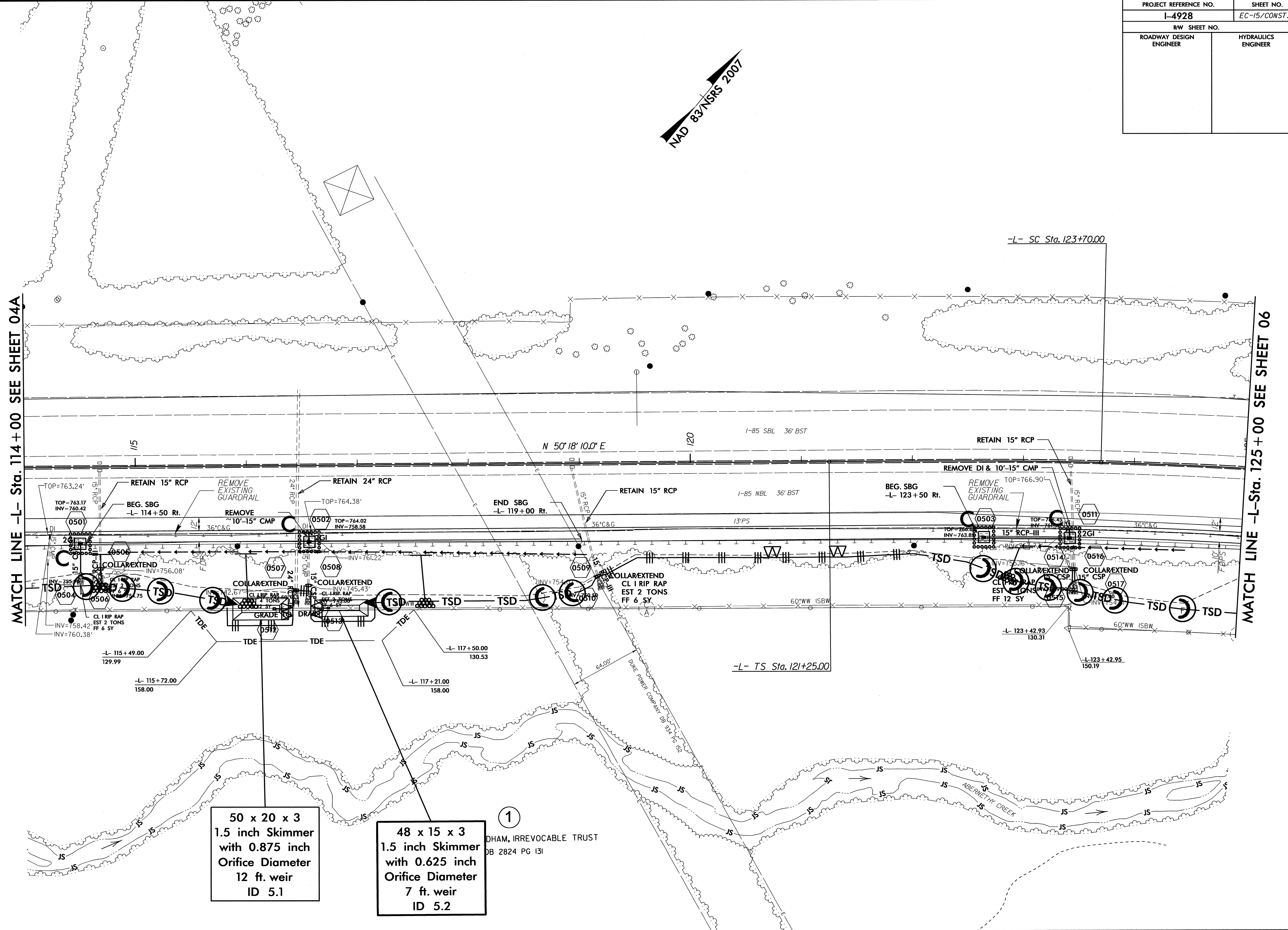


1
AILEEN B. OLDHAM, IRREVOCABLE TRUST
DB 2824 PG 131

08-NOV-2013 12:14
R:\Environment\Design\I-4928-EC_pah4.dgn
10/11/13

8/17/99

PROJECT REFERENCE NO.		SHEET NO.	
I-4928		EC-15/CONST.5	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	



MATCH LINE -L- Sta. 114+00 SEE SHEET 04A

MATCH LINE -L- Sta. 125+00 SEE SHEET 06

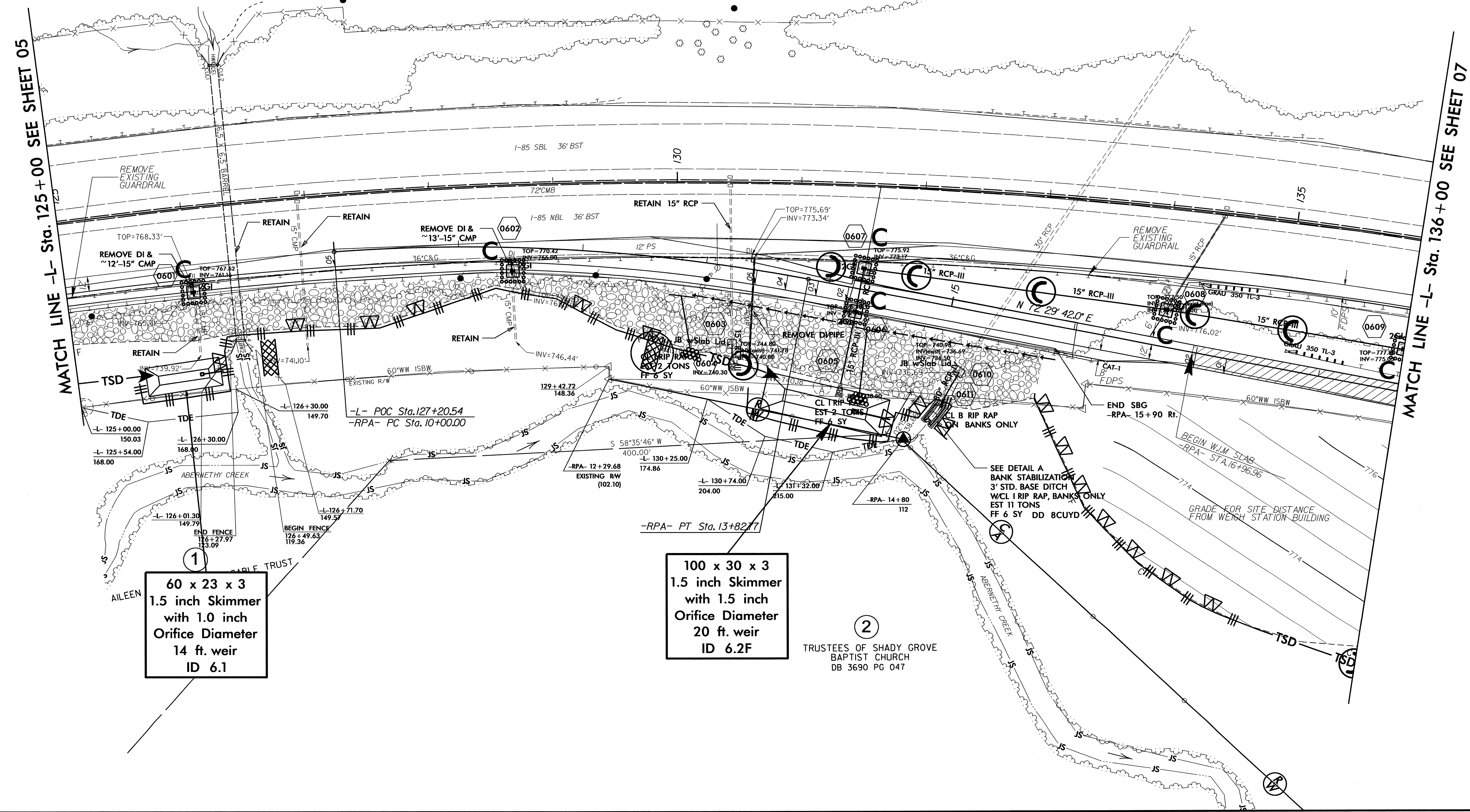
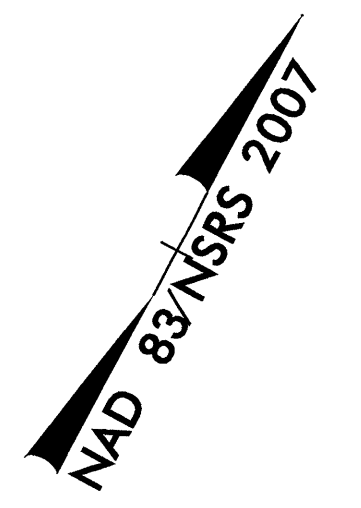
50 x 20 x 3
1.5 inch Skimmer
with 0.875 inch
Orifice Diameter
12 ft. weir
ID 5.1

48 x 15 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
7 ft. weir
ID 5.2

1
DHAM, IRREVOCABLE TRUST
DB 2824 PG 131

08-NOV-2013 14:35
R:\Environment\I-4928-EC-ph5.dgn
R:\Environment\I-4928-EC-ph5.dgn

PROJECT REFERENCE NO. I-4928		SHEET NO. EC-16/CONST.6	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	



MATCH LINE -L- Sta. 125+00 SEE SHEET 05

MATCH LINE -L- Sta. 136+00 SEE SHEET 07

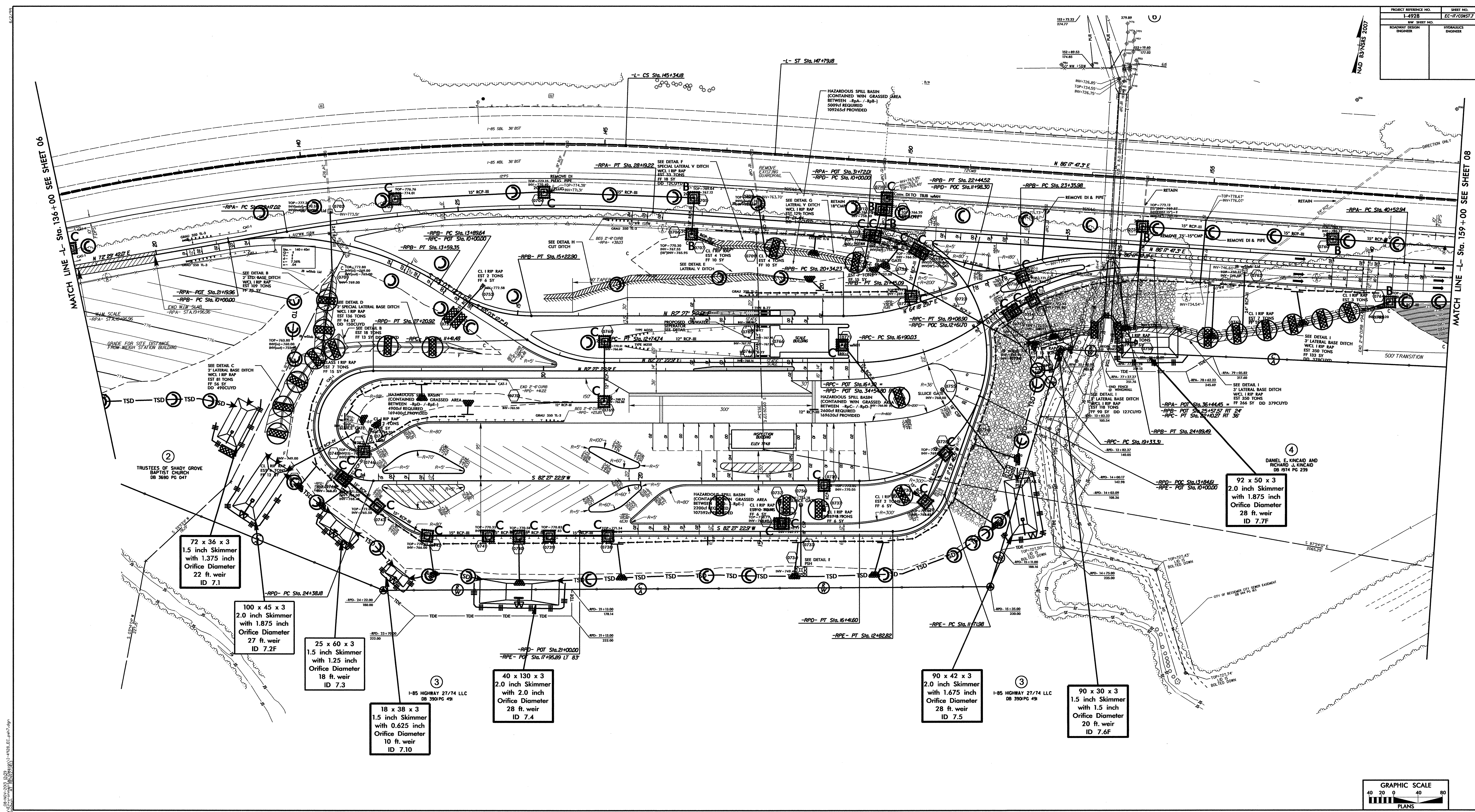
1
60 x 23 x 3
1.5 inch Skimmer
with 1.0 inch
Orifice Diameter
14 ft. weir
ID 6.1

2
100 x 30 x 3
1.5 inch Skimmer
with 1.5 inch
Orifice Diameter
20 ft. weir
ID 6.2F

2
TRUSTEES OF SHADY GROVE
BAPTIST CHURCH
DB 3690 PG 047

8/17/09
08-NOV-2013 14:37
R:\Environment\I-4928\Drawings\I-4928-EC-psh6.dgn
AL:RENVAZ:113

PROJECT REFERENCE NO.	SHEET NO.
1-4928	EC-17/CONSTR
DESIGNER	HYDRAULICS ENGINEER
ENGINEER	



72 x 36 x 3
1.5 inch Skimmer
with 1.375 inch
Orifice Diameter
22 ft. weir
ID 7.1

100 x 45 x 3
2.0 inch Skimmer
with 1.875 inch
Orifice Diameter
27 ft. weir
ID 7.2F

25 x 60 x 3
1.5 inch Skimmer
with 1.25 inch
Orifice Diameter
18 ft. weir
ID 7.3

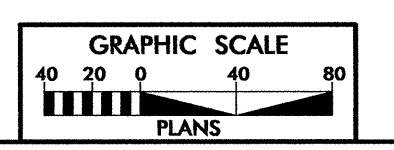
18 x 38 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
10 ft. weir
ID 7.10

40 x 130 x 3
2.0 inch Skimmer
with 2.0 inch
Orifice Diameter
28 ft. weir
ID 7.4

90 x 42 x 3
2.0 inch Skimmer
with 1.675 inch
Orifice Diameter
28 ft. weir
ID 7.5

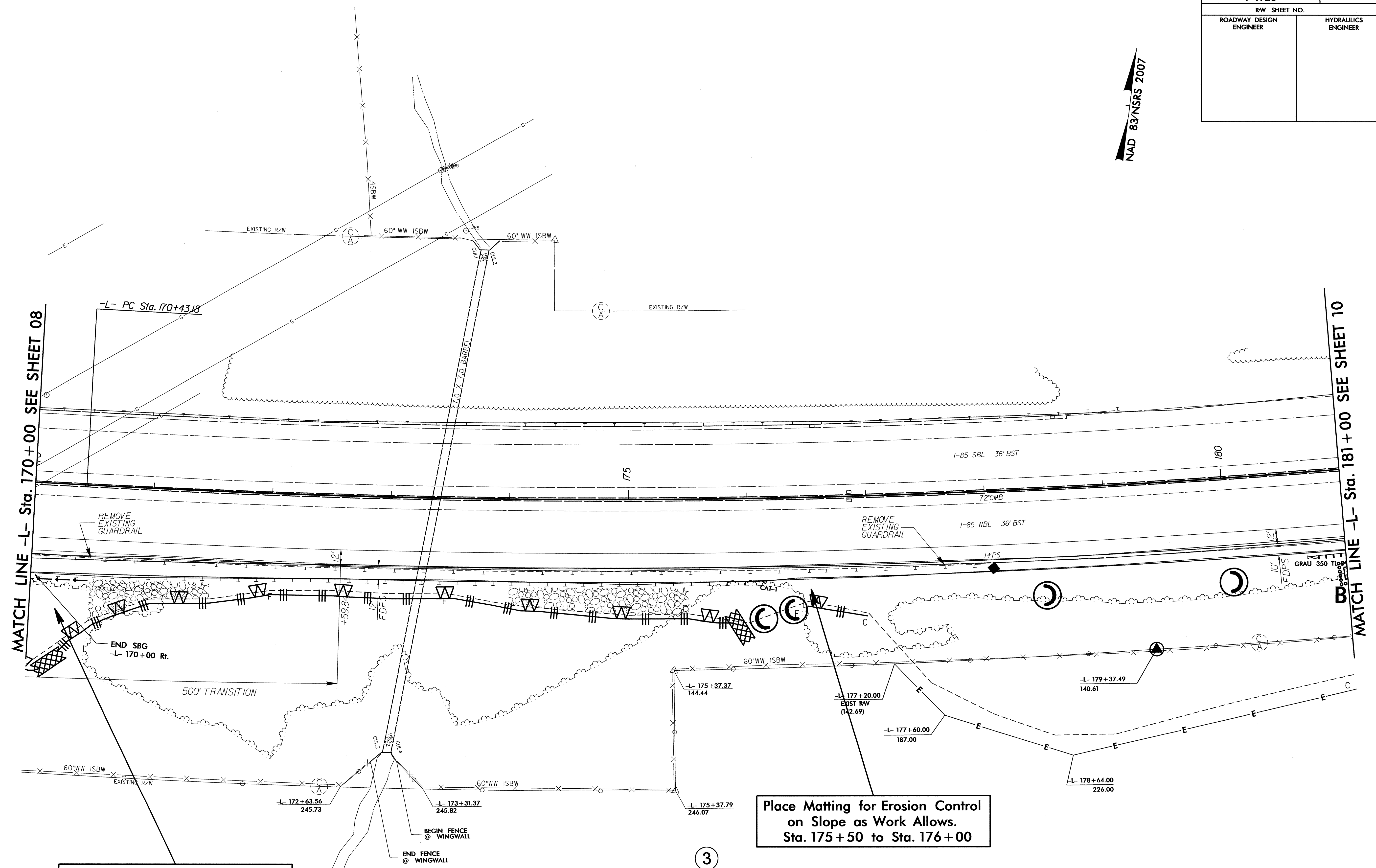
90 x 30 x 3
1.5 inch Skimmer
with 1.5 inch
Orifice Diameter
20 ft. weir
ID 7.6F

92 x 50 x 3
2.0 inch Skimmer
with 1.875 inch
Orifice Diameter
28 ft. weir
ID 7.7F



PROJECT REFERENCE NO.		SHEET NO.	
I-4928		EC-19/CONST.9	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

NAD 83/NSRS 2007



Place Matting for Erosion Control
on Slope as Work Allows.
Sta. 168+50 to Sta. 170+50

Place Matting for Erosion Control
on Slope as Work Allows.
Sta. 175+50 to Sta. 176+00

3

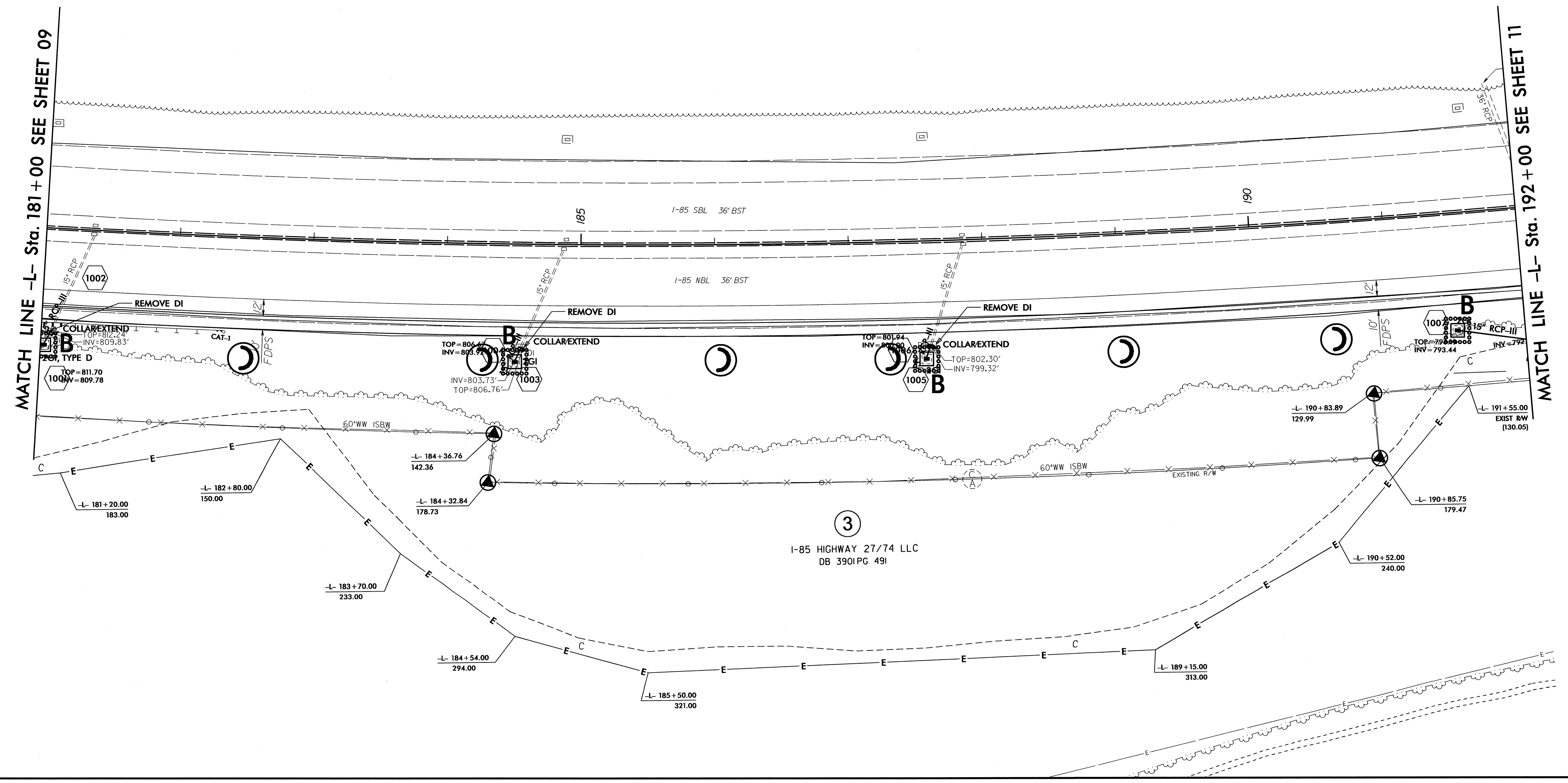
I-85 HIGHWAY 27/74 LLC
DB 390IPG 49I

8/17/99

08-NOV-2013 11:33
R:\Environment\I-4928_EC-psht9.dgn
R:\NSRS\2007

8/17/99

PROJECT REFERENCE NO.		SHEET NO.	
I-4928		EC-20/CONST.10	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	



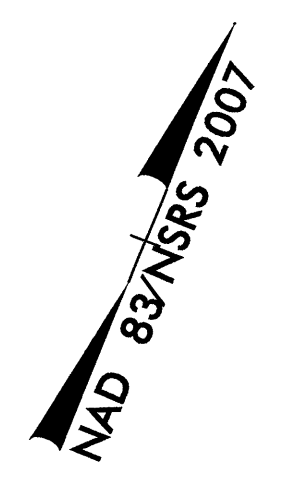
MATCH LINE -L- Sta. 181+00 SEE SHEET 09

MATCH LINE -L- Sta. 192+00 SEE SHEET 11

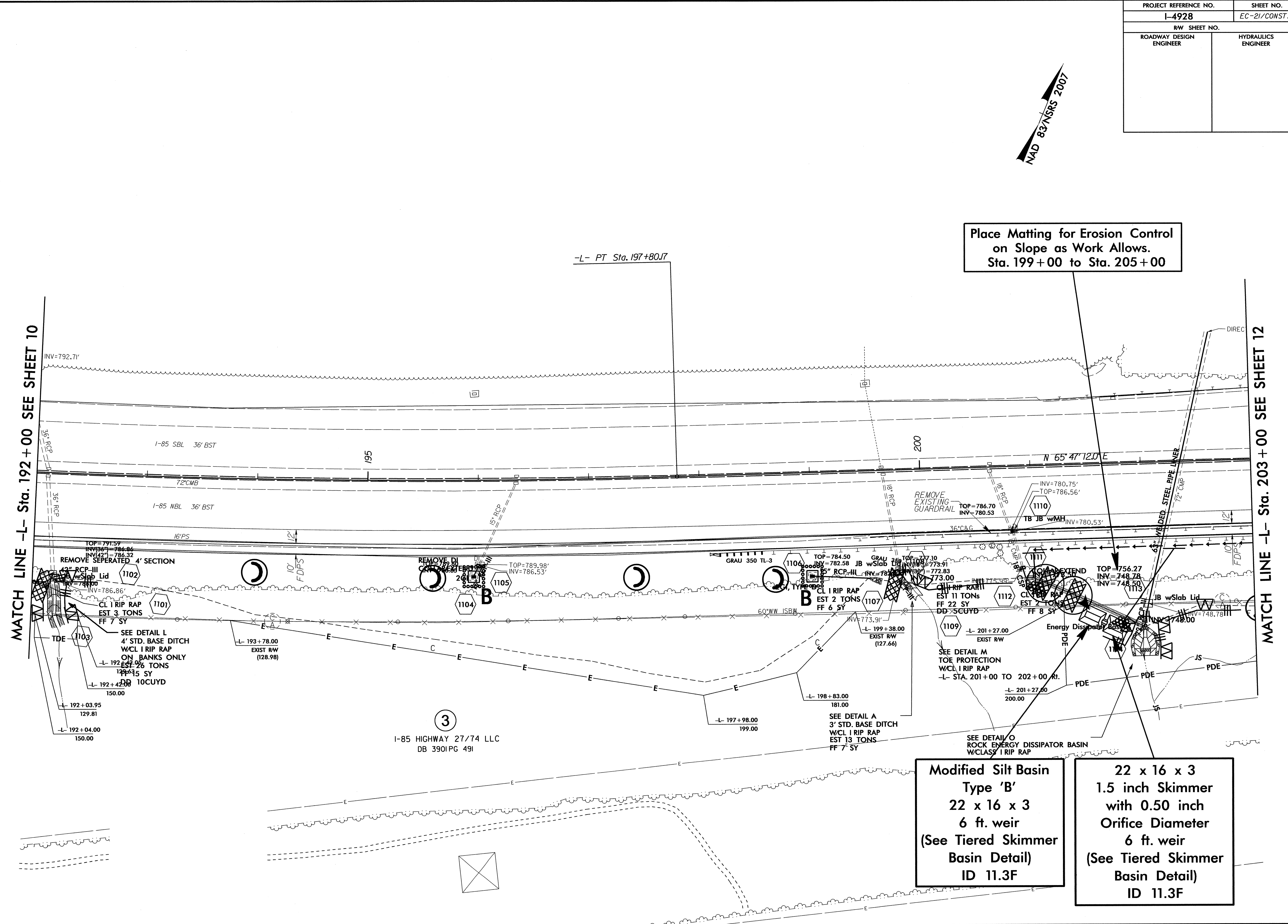
③
I-85 HIGHWAY 27/74 LLC
DB 390IPG 49I

08-NOV-2013 11:23
R:\ENVI\commen\I-4928\I-4928-EC-psht10.dgn
C:\ENVI\commen\I-4928\I-4928-EC-psht10.dgn

PROJECT REFERENCE NO.	SHEET NO.
I-4928	EC-21/CONST.II
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



Place Matting for Erosion Control
on Slope as Work Allows.
Sta. 199+00 to Sta. 205+00



MATCH LINE -L- Sta. 192+00 SEE SHEET 10

MATCH LINE -L- Sta. 203+00 SEE SHEET 12

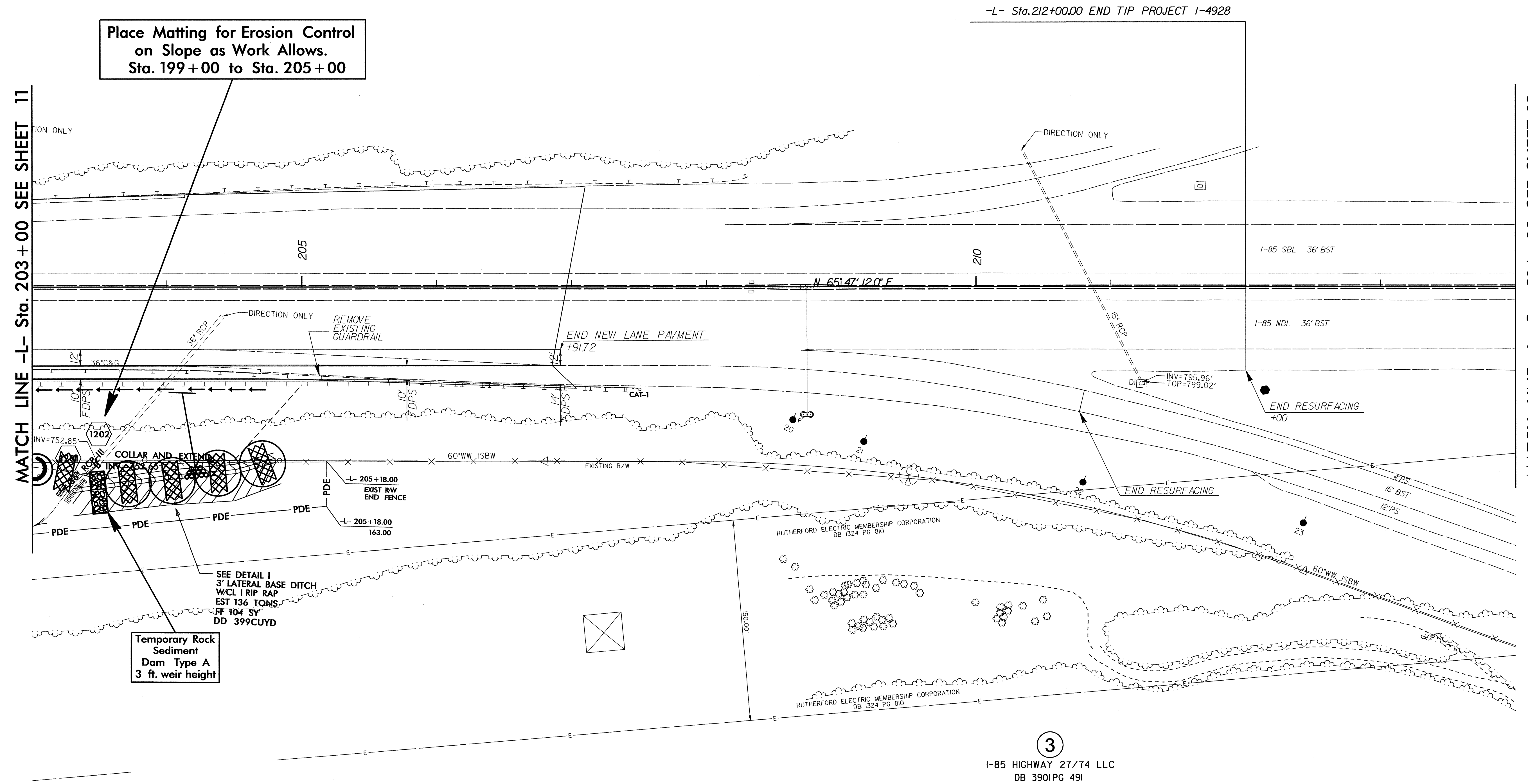
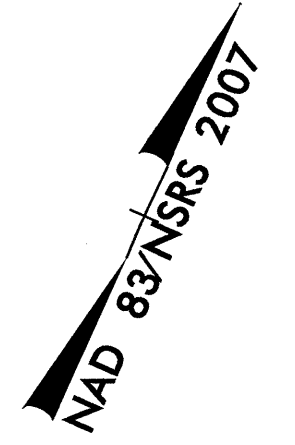
Modified Silt Basin
Type 'B'
22 x 16 x 3
6 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 11.3F

22 x 16 x 3
1.5 inch Skimmer
with 0.50 inch
Orifice Diameter
6 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 11.3F

8/17/99
08-NOV-2013 11:20 I:\D09397\I-4928-EC--psh11.dgn
R:\Environment\B1\B1\2013\11-20-13\11-20-13.dwg

8/17/99

PROJECT REFERENCE NO.		SHEET NO.	
I-4928		EC-22/CONSTJ2	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	



Place Matting for Erosion Control
on Slope as Work Allows.
Sta. 199+00 to Sta. 205+00

Temporary Rock
Sediment
Dam Type A
3 ft. weir height

-L- Sta.212+00.00 END TIP PROJECT I-4928

MATCH LINE -L- Sta. 203+00 SEE SHEET 11

MATCH LINE -L- Sta. 214+00 SEE SHEET 13

3

I-85 HIGHWAY 27/74 LLC
DB 3901PG 491

Q8-NOV-2013 11:17
R:\Environment\I-4928-EC.psh12.dgn
AL RANZ/2/13