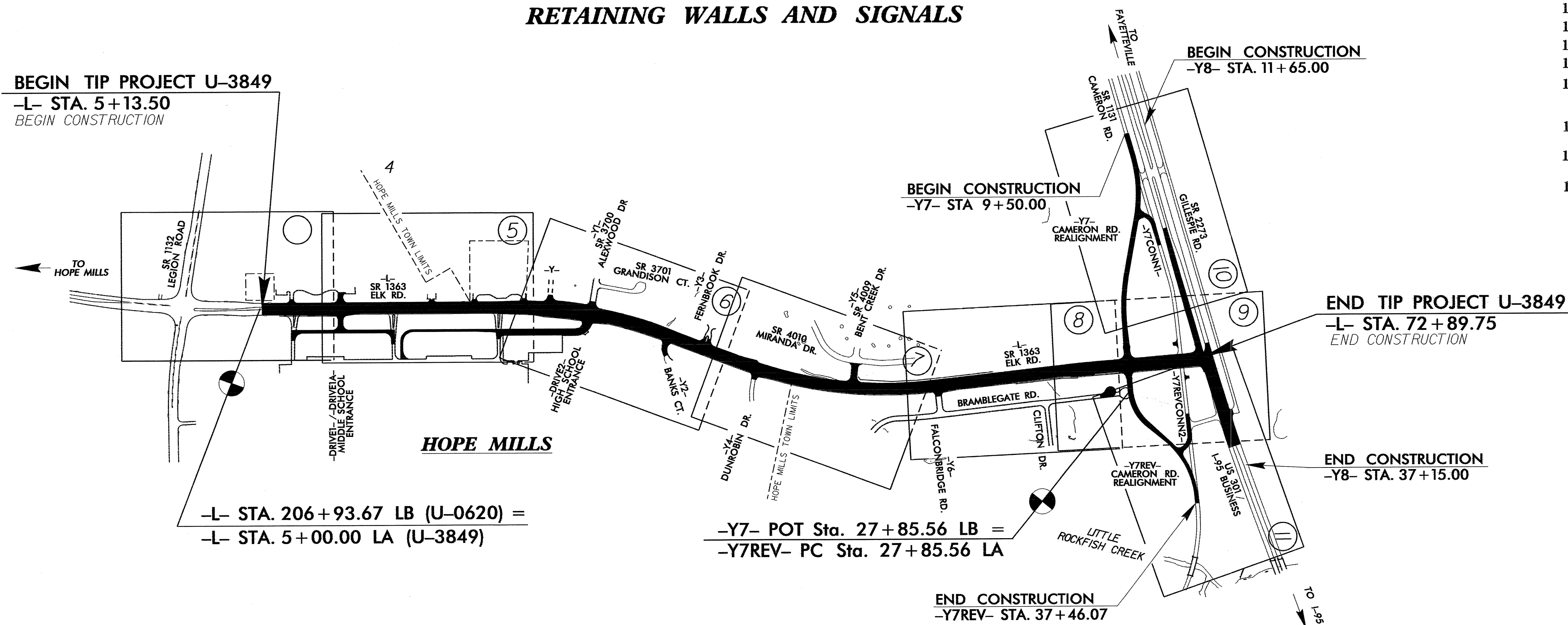


TIP PROJECT: U-3849

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

LOCATION: SR 1363 (ELK ROAD) FROM SR 1132 (LEGION ROAD) TO US 301/95 BUSINESS
TYPE OF WORK: GRADING, DRAINAGE, PAVING, WIDENING, CURB & GUTTER, CULVERT, RETAINING WALLS AND SIGNALS

BEGIN TIP PROJECT U-3849
-L- STA. 5+13.50
BEGIN CONSTRUCTION

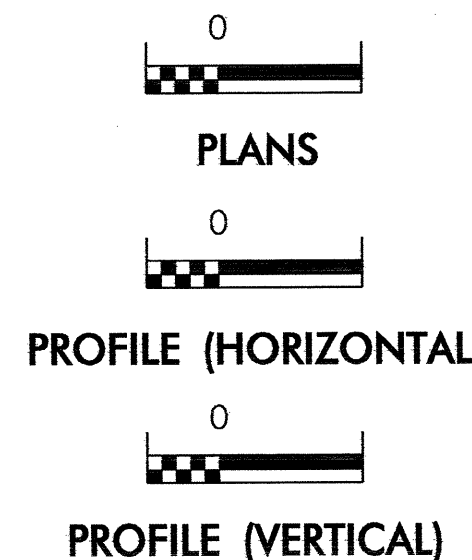


EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1630.03	Temporary Silt Ditch	--- TSD ---
1630.05	Temporary Diversion	--- TD ---
1605.01	Temporary Silt Fence	---
1606.01	Special Sediment Control Fence	--- Z ---
1622.01	Temporary Berms and Slope Drains	--- B ---
1630.01	Riser Basin	--- RB ---
	Silt Basin Type B	--- SB ---
1633.01	Temporary Rock Silt Check Type-A	--- TRSA ---
	Temporary Rock Silt Check Type-B	--- TRSB ---
	Wattle	--- W ---
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	--- RPISA ---
1635.02	Rock Pipe Inlet Sediment Trap Type-B	--- RPISB ---
1630.04	Stilling Basin	--- SB ---
1630.06	Special Stilling Basin	--- SSB ---
	Rock Inlet Sediment Trap:	
1632.01	Type A	A
1632.02	Type B	B
1632.03	Type C	C
	Skimmer Basin	--- SKB ---
	Tiered Skimmer Basin	--- TSKB ---
	Infiltration Basin	--- IB ---

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

GRAPHIC SCALE



ROADSIDE ENVIRONMENTAL UNIT
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

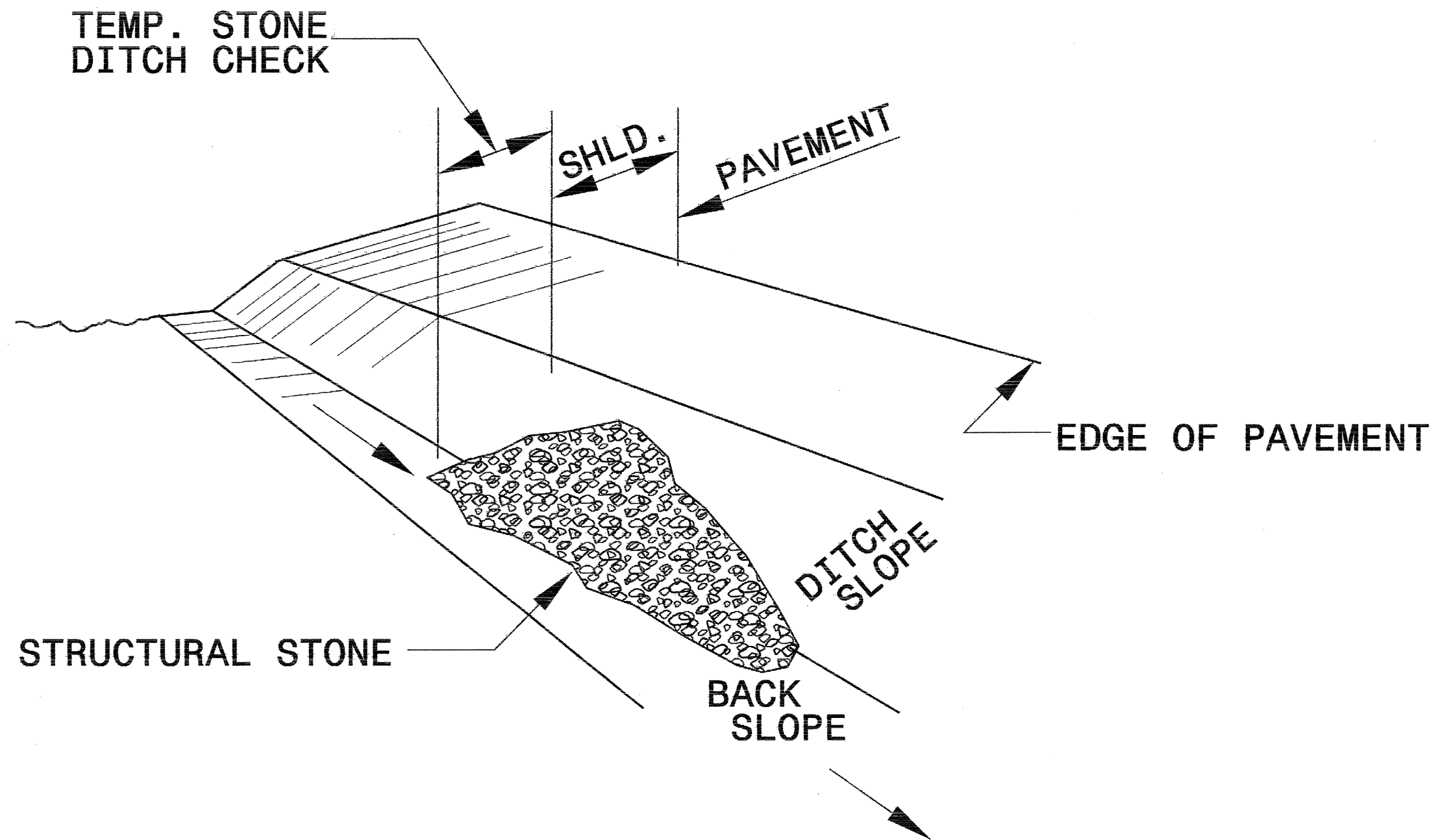
Prepared In the Office of:
ROADSIDE ENVIRONMENTAL UNIT
1 South Wilmington St.
Raleigh, NC 27611
2006 STANDARD SPECIFICATIONS

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 July 18, 2006 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

1605.01 Temporary Silt Fence	1632.02 Rock Inlet Sediment Trap Type B
1607.01 Gravel Construction Entrance	1632.03 Rock Inlet Sediment Trap Type C
1622.01 Temporary Berms and Slope Drains	1633.01 Temporary Rock Silt Check Type A
1630.03 Temporary Silt Ditch	1634.02 Temporary Rock Sediment Dam Type B
1630.05 Temporary Diversion	1635.01 Rock Pipe Inlet Sediment Trap Type A
1630.06 Special Stilling Basin	1635.02 Rock Pipe Inlet Sediment Trap Type B
1632.01 Rock Inlet Sediment Trap Type A	

PROJECT REFERENCE NO. U-3849	SHEET NO. EC-2
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

TEMPORARY ROCK SILT CHECK TYPE 'B' DETAIL

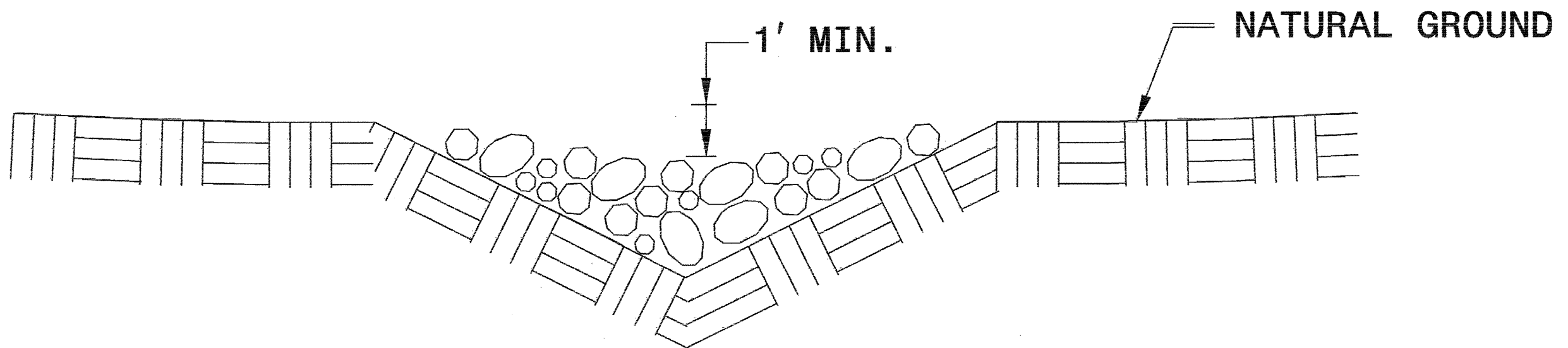


ISOMETRIC VIEW

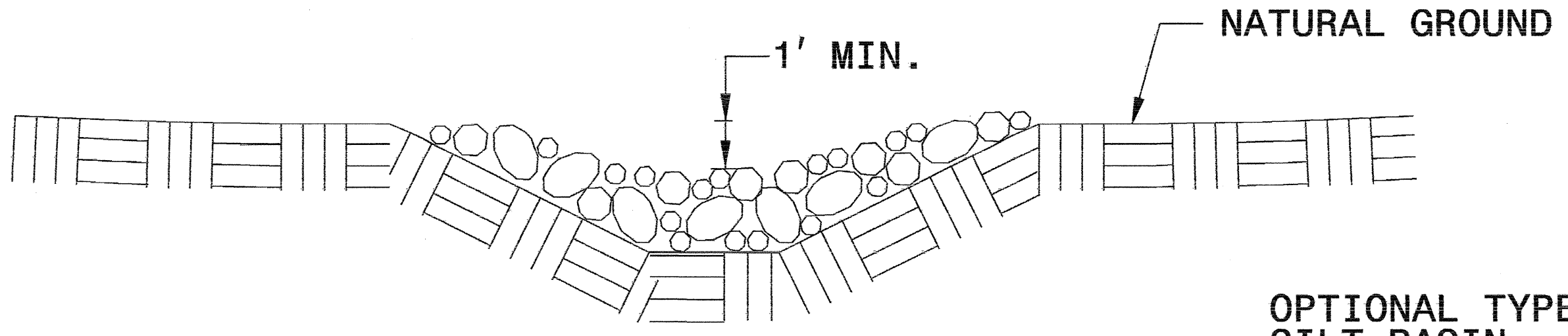
NOTES:

USE CLASS 'B' EROSION CONTROL STONE FOR STRUCTURAL STONE.

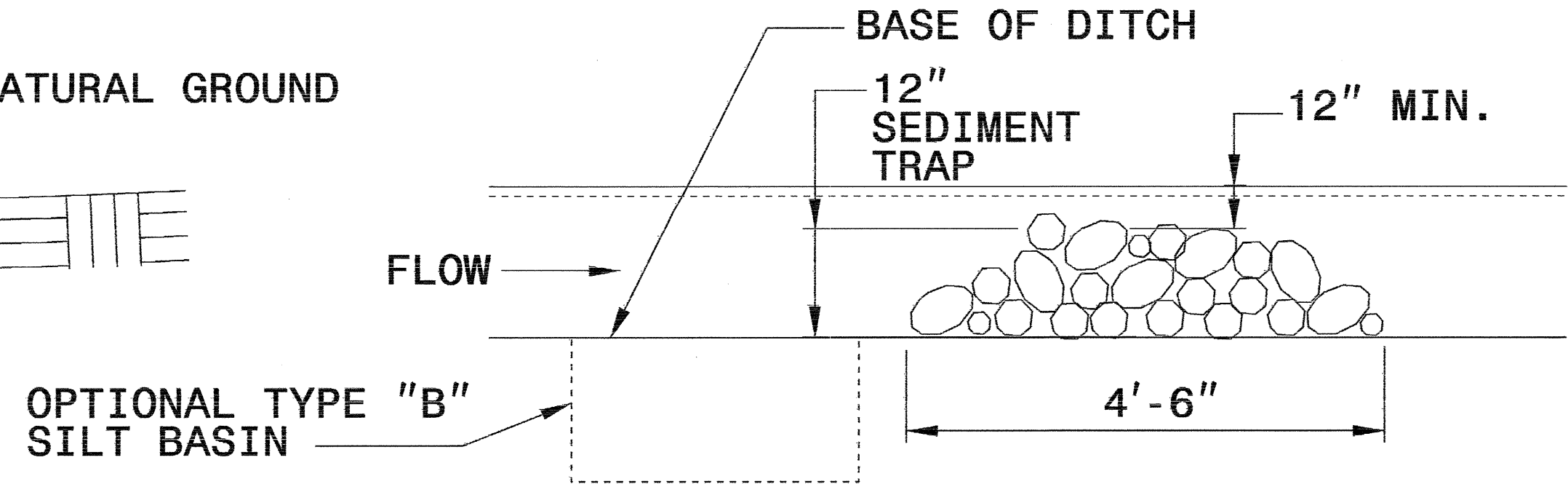
THE ENGINEER MAY DIRECT THE OPTION OF CLASS "A" STONE FOR SITES HAVING LESS THAN ONE (1) ACRE DRAINAGE AREA AND A DITCH GRADE LESS THAN 3%.



CROSS SECTION VEE DITCH



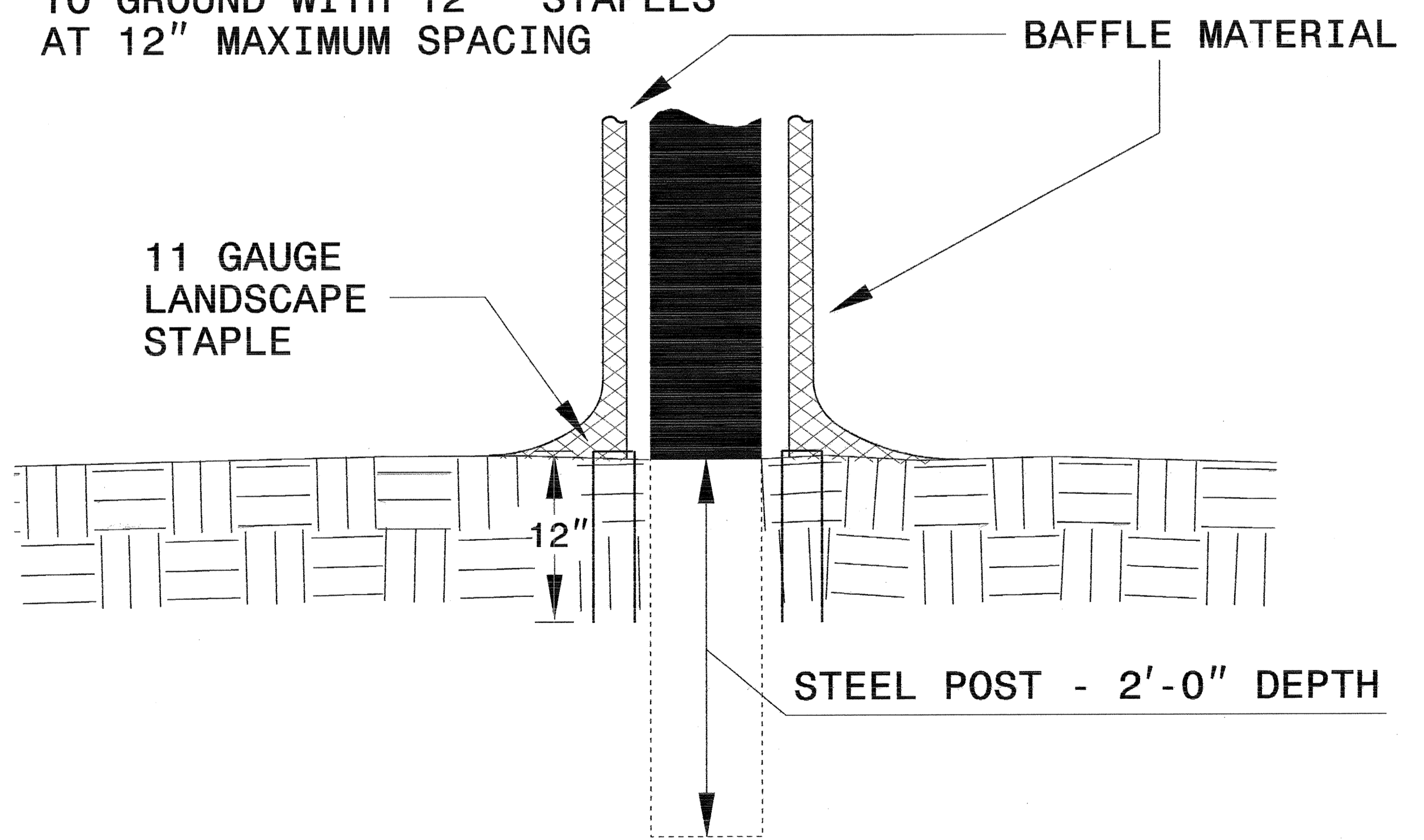
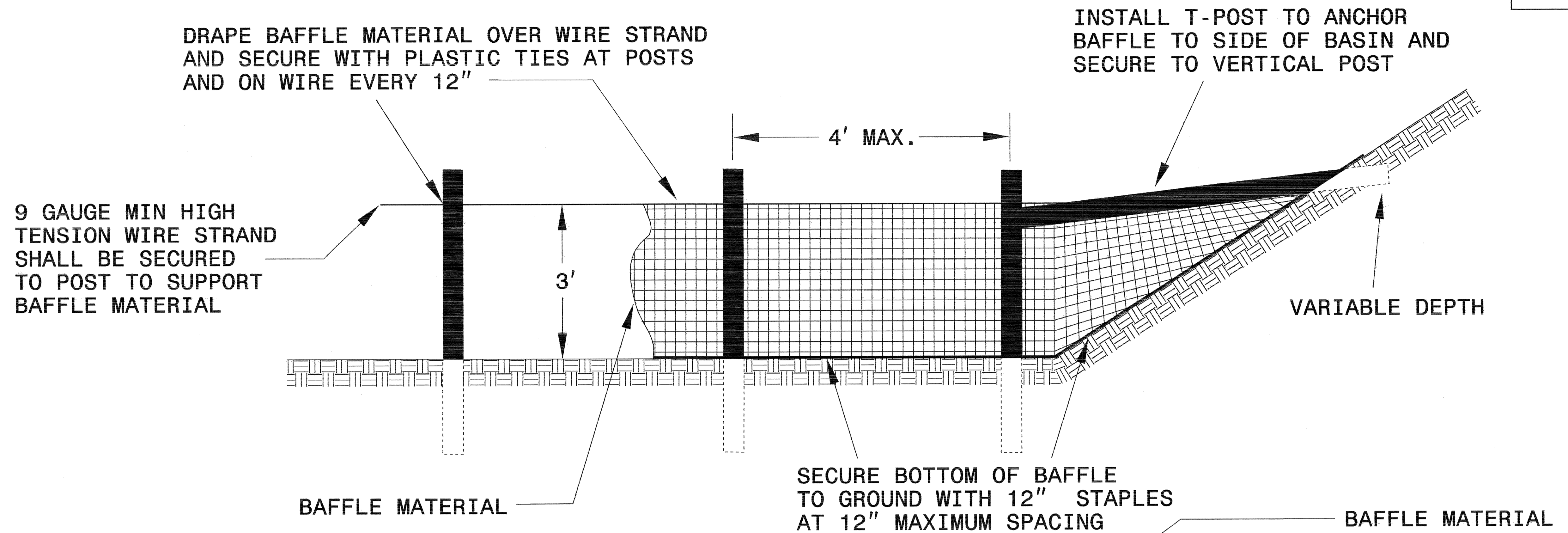
CROSS SECTION TRAPEZOIDAL DITCH



ELEVATION VIEW

PROJECT REFERENCE NO. U-3849	SHEET NO. EC-2A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

COIR FIBER BAFFLE DETAIL



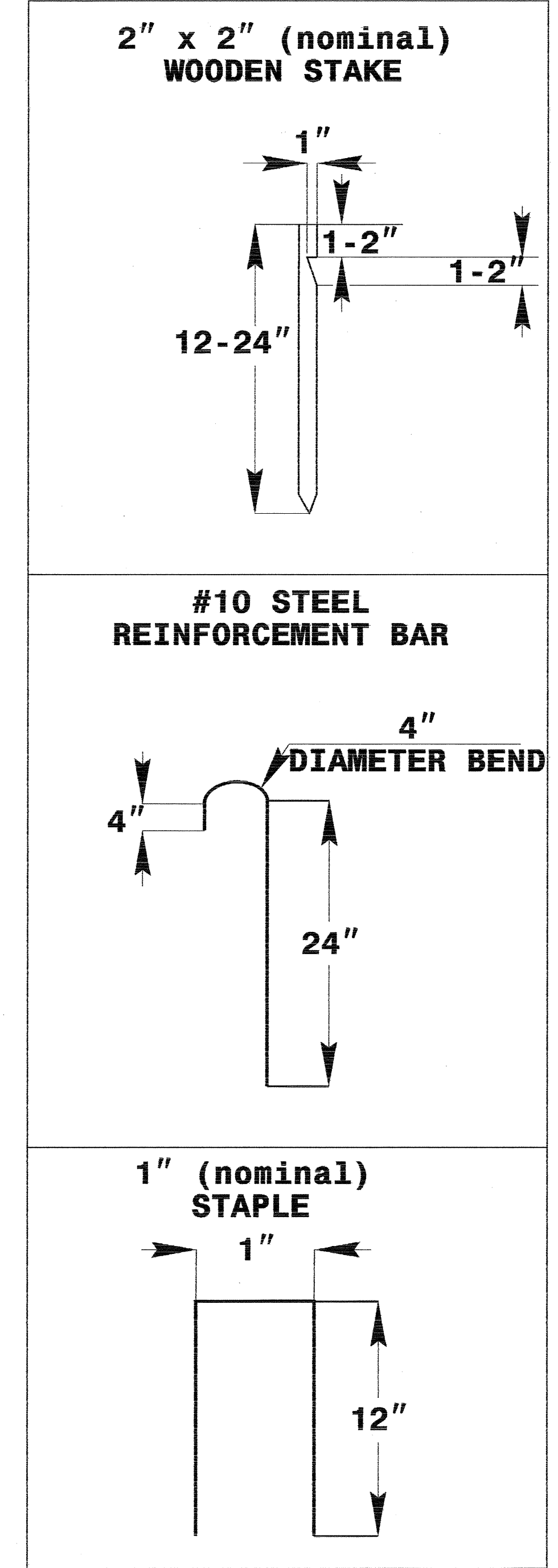
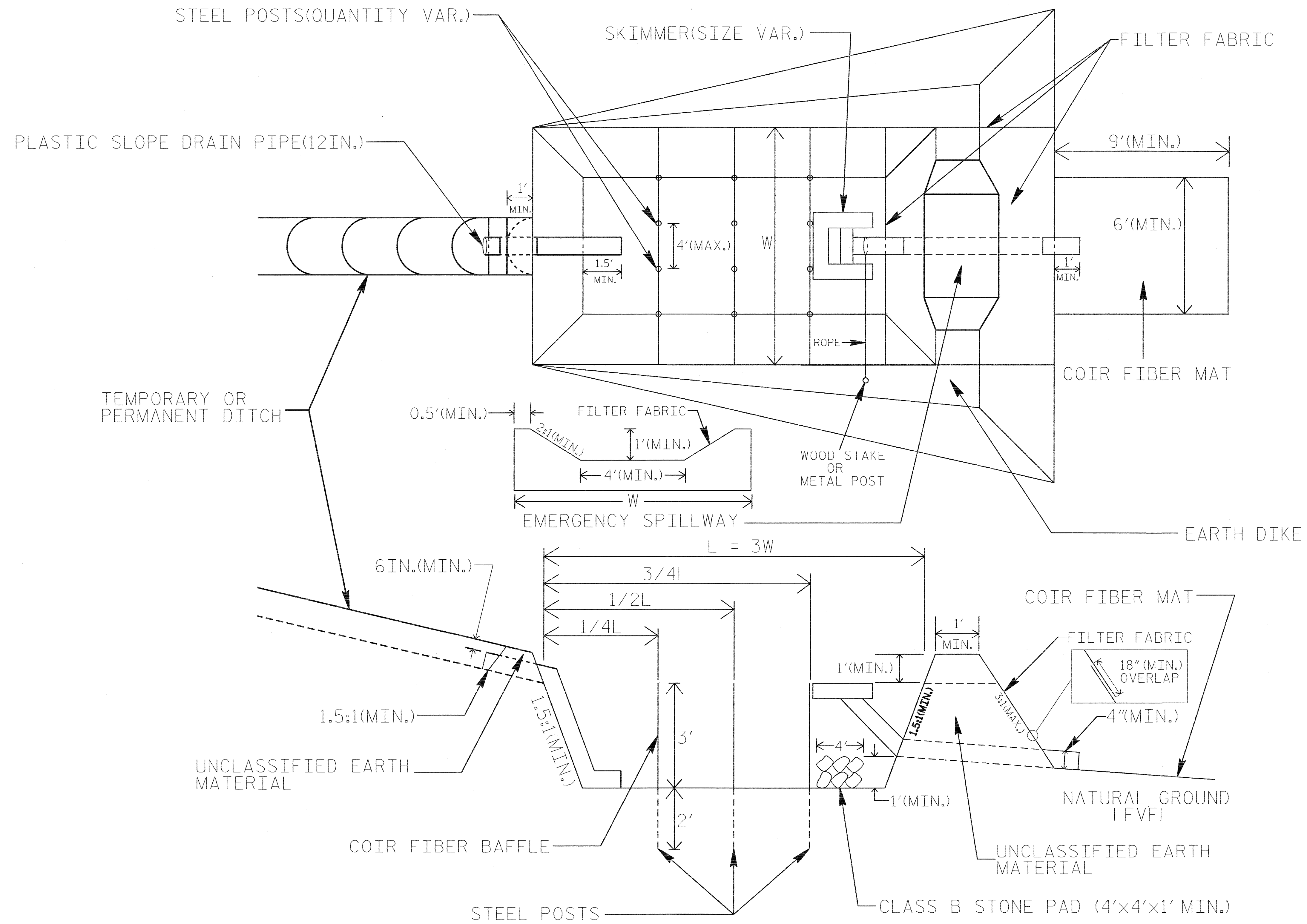
NOTES:

1. INSTALL THREE(3) COIR FIBER BAFFLES IN SILT BASINS AND SEDIMENT DAMS AT DRAINAGE OUTLETS WITH A SPACING OF $\frac{1}{4}$ THE BASIN LENGTH.
2. TWO(2) COIR FIBER BAFFLES CAN BE INSTALLED IN SILT BASINS AND DAMS LESS THAN 20 FT. IN LENGTH WITH A SPACING OF $\frac{1}{3}$ THE BASIN LENGTH.
3. TOP HEIGHT OF COIR FIBER BAFFLES SHALL NOT BE BELOW BASE OF EMERGENCY SPILLWAY ELEVATION.

BAFFLE MATERIAL SHALL BE SECURED TO THE BOTTOM AND SIDES OF BASIN USING 12" LANDSCAPE STAPLES

SKIMMER BASIN WITH BAFFLES DETAIL

PROJECT REFERENCE NO. U-3849	SHEET NO. EC-2B
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



COIR FIBER MAT ANCHOR OPTIONS

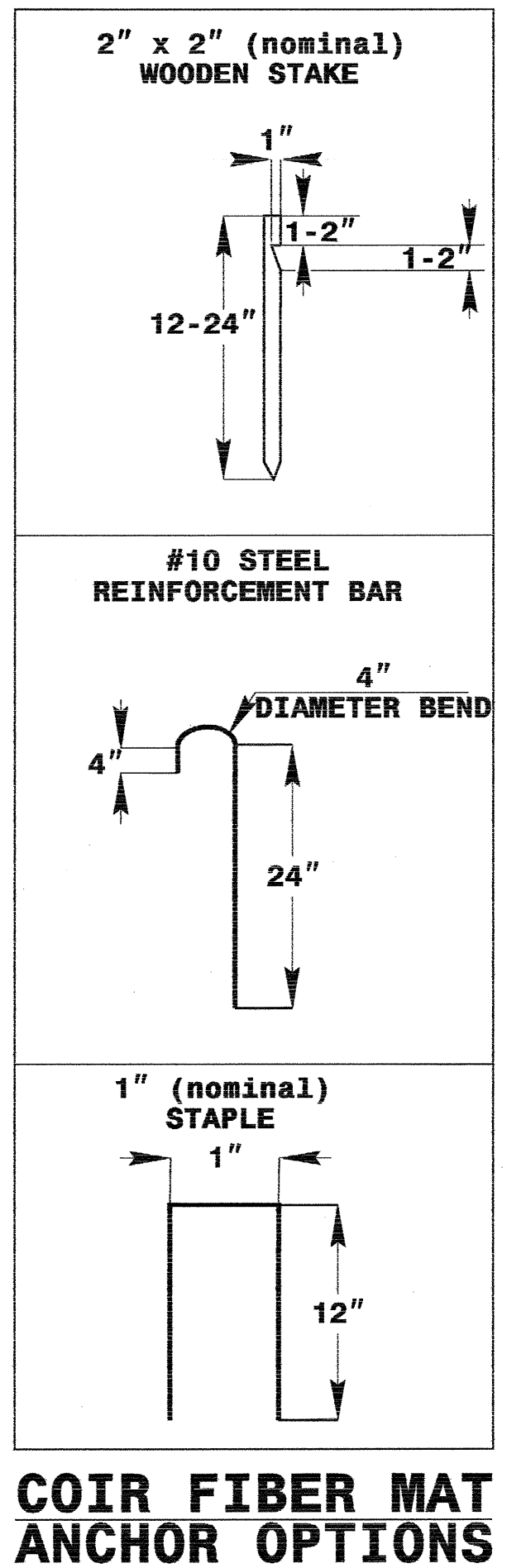
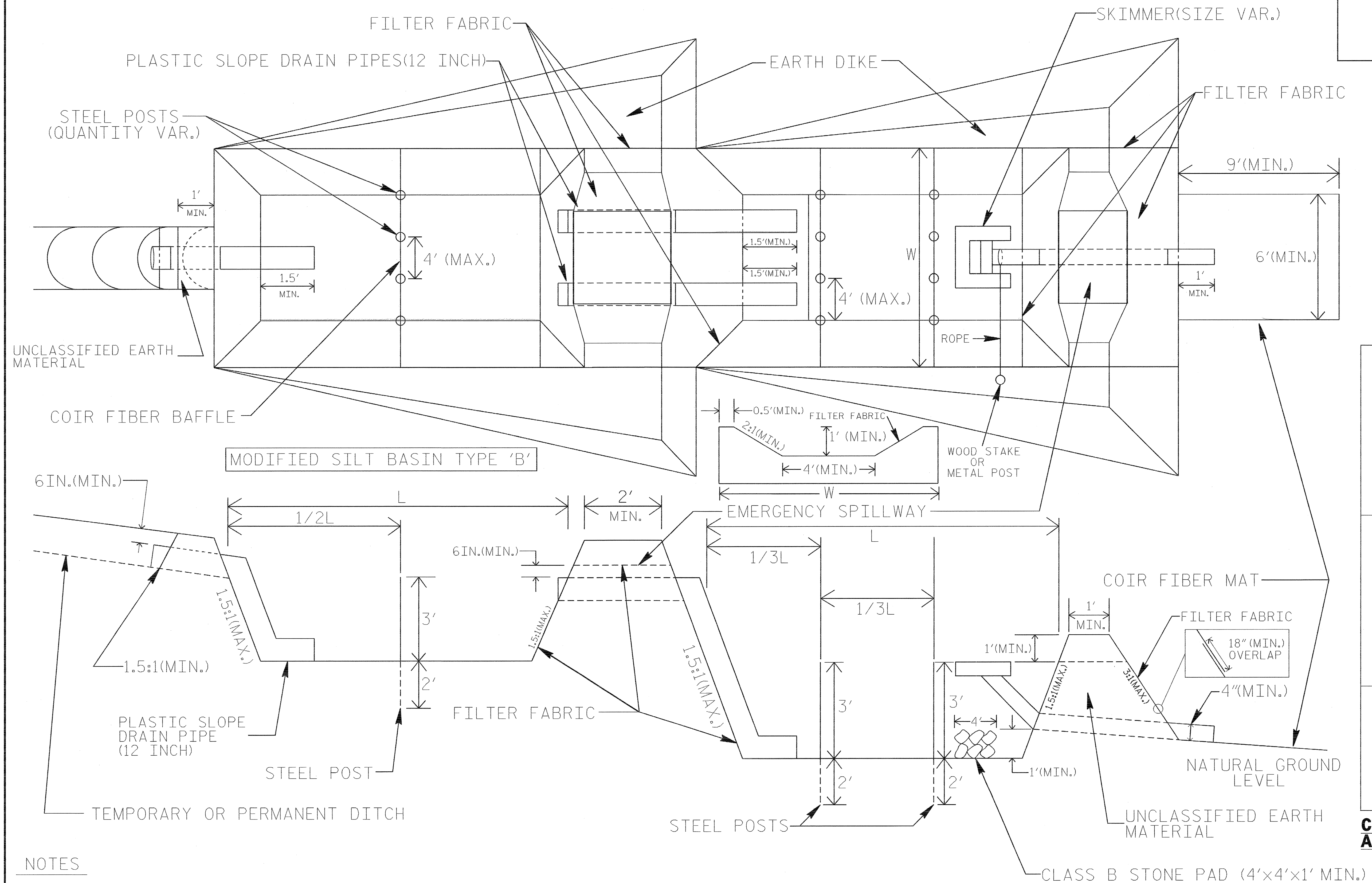
NOTES

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 EMERGENCY SPILLWAY 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 FILTER FABRIC AS DIRECTED.
6. FILTER FABRIC FOR EMERGENCY SPILLWAY SHALL BE ONE CONTINUOUS PIECE OF MATERIAL OR OVERLAPPED 18" (MIN.) AS SHOWN.

NOT TO SCALE

TIERED SKIMMER BASIN DETAIL

PROJECT REFERENCE NO. U-3849	SHEET NO. EC-2C
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



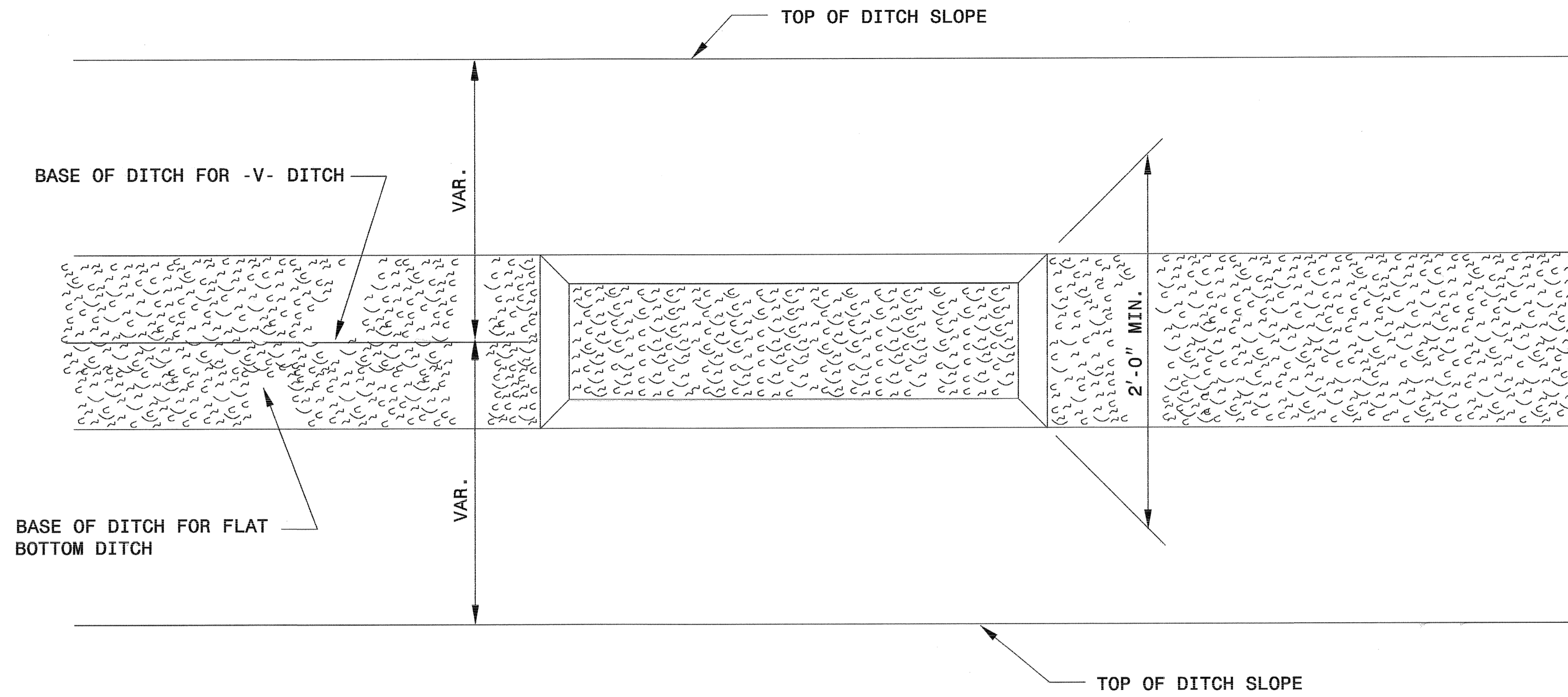
NOTES

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 3 FT., THE MINIMUM BASIN WIDTHS SHALL BE 9 FT.
5. DETERMINE EMERGENCY SPILLWAY LENGTHS (FT.) USING $Q/0.8$, WHERE Q IS FLOW RATE (CFS) INTO UPPER BASIN.
6. FILTER FABRIC FOR EMERGENCY SPILLWAYS SHALL BE ONE CONTINUOUS PIECE OF MATERIAL OR OVERLAPPED 18" (MIN.) AS SHOWN.

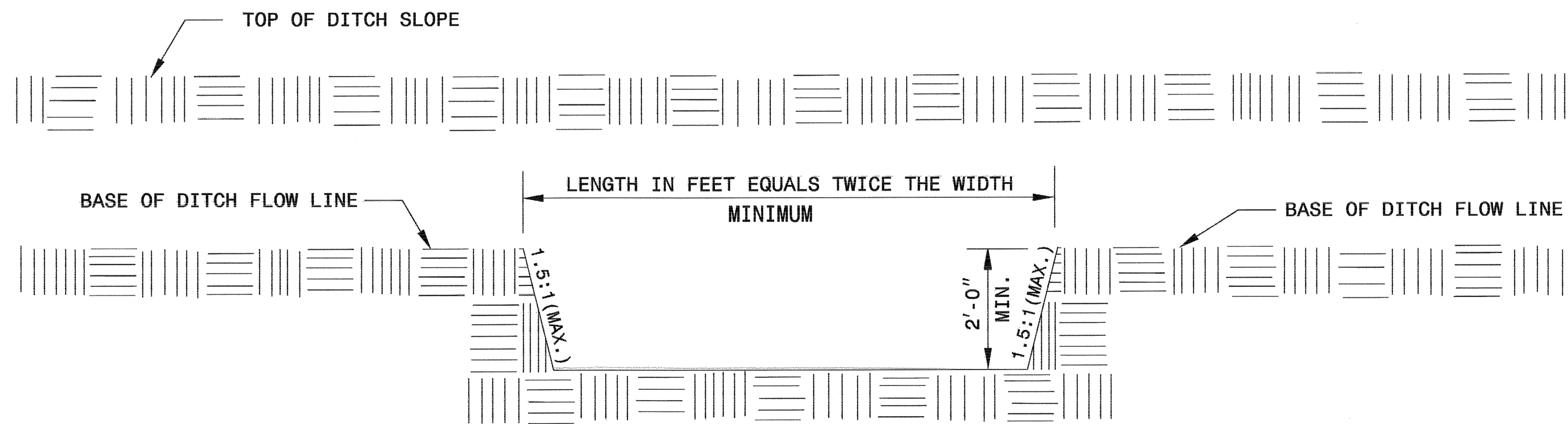
NOT TO SCALE

PROJECT REFERENCE NO. U-3849	SHEET NO. EC-2D
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

SILT BASIN 'B' DETAIL



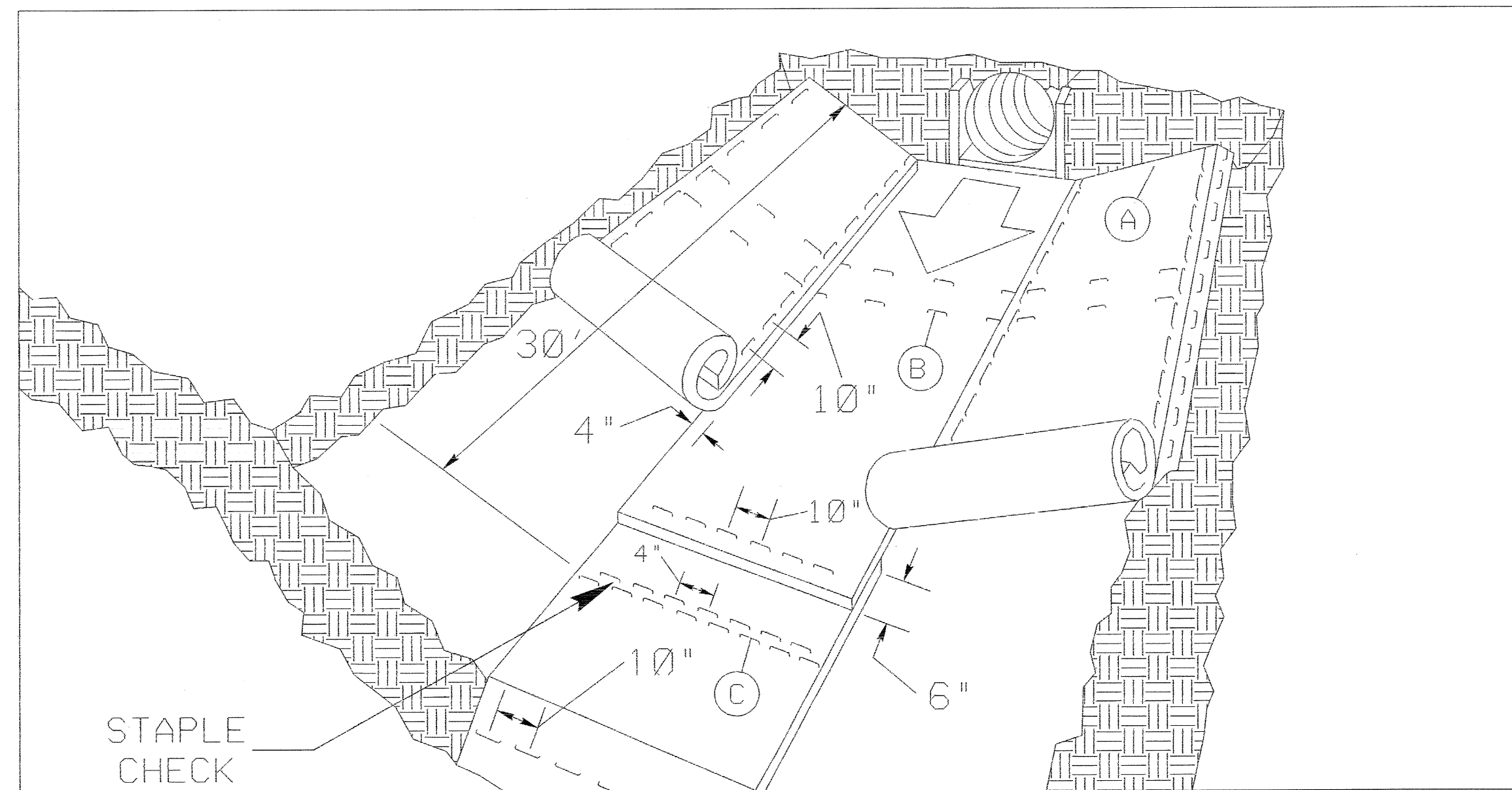
PLAN



ELEVATION

PROJECT REFERENCE NO. U-3849	SHEET NO. EC-2E
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

MATTING INSTALLATION DETAIL



MATTING IN DITCHES

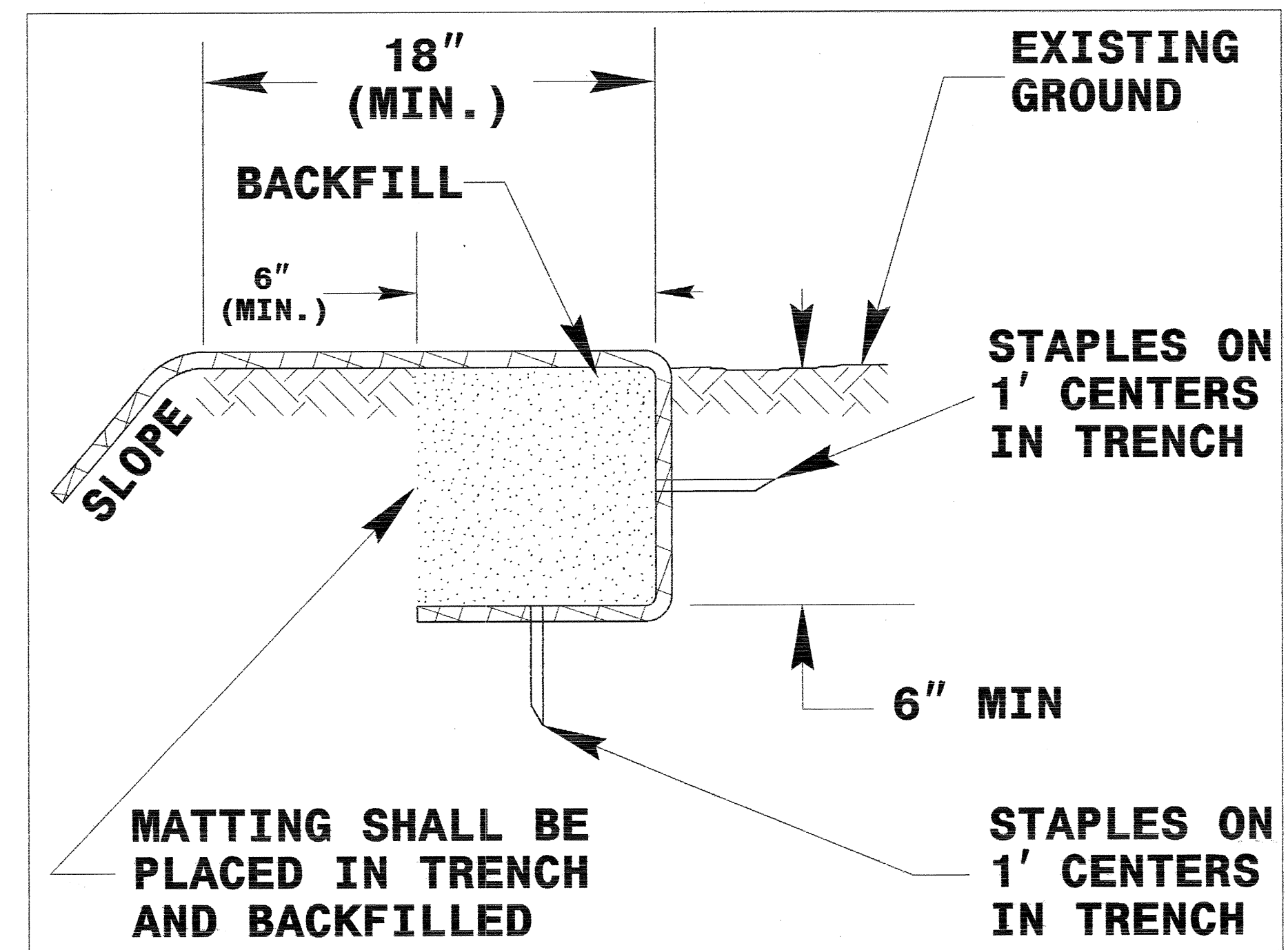
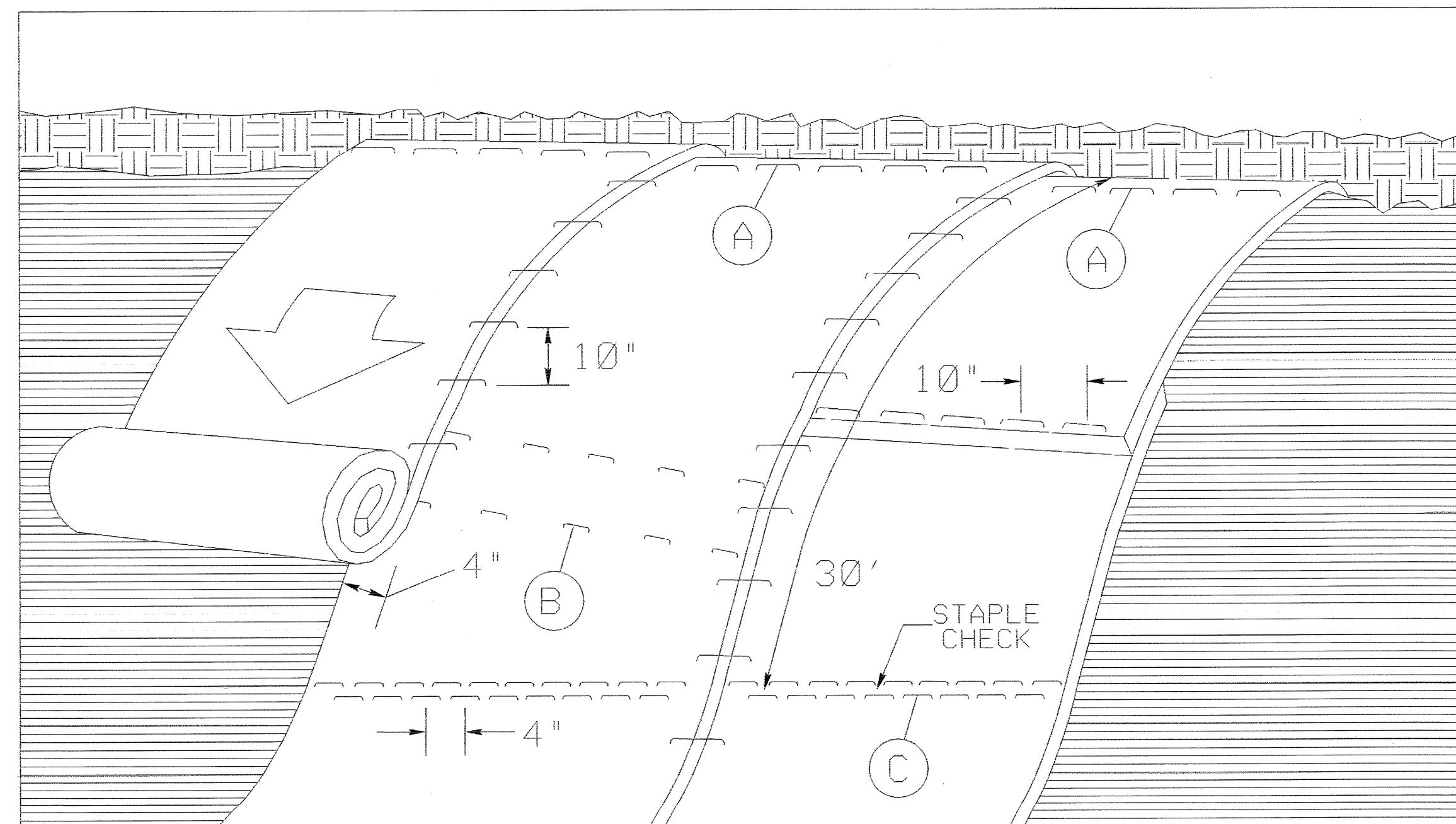


DIAGRAM (A)



MATTING ON SLOPES

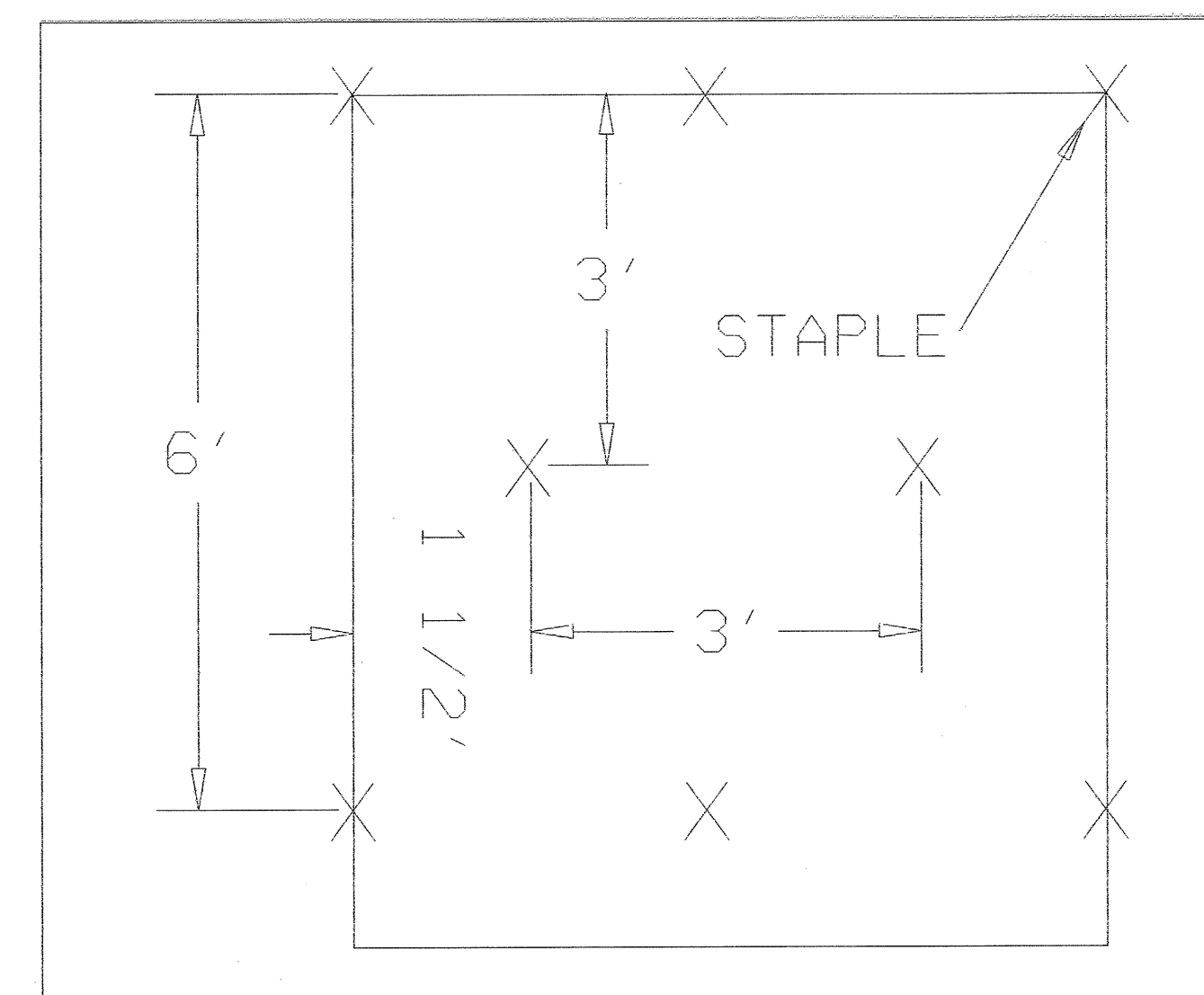


DIAGRAM (B)

STAPLE CHECK PATTERN

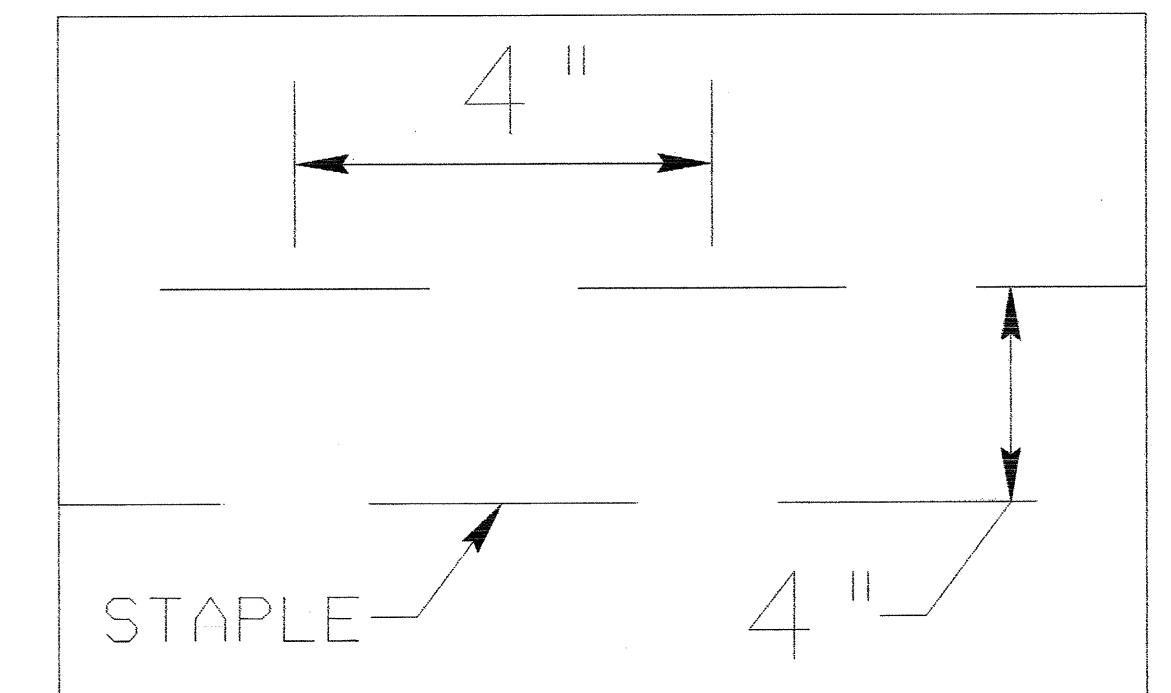


DIAGRAM (C)

NOTES:

THIS DETAIL APPLIES TO STRAW, EXCELSIOR, AND PERMANENT SOIL REINFORCEMENT MAT (PSRM) INSTALLATION.

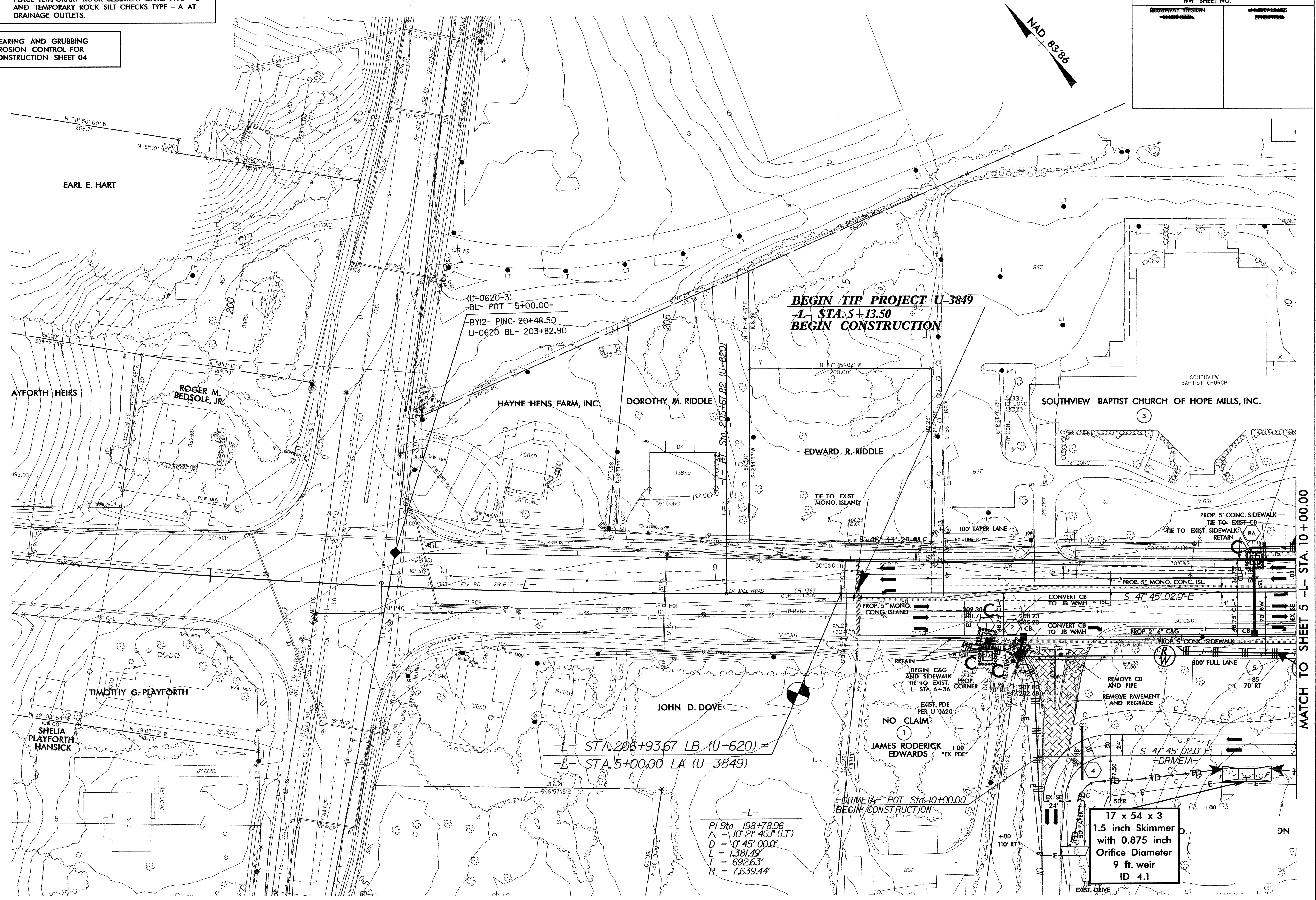
STAPLES SHALL BE NO. 11 GAUGE STEEL WIRE FORMED INTO A "U" SHAPE WITH A MINIMUM THROAT WIDTH OF 1 INCH AND NOT LESS THAN 6 INCHES IN LENGTH.

NOT TO SCALE

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 04

PROJECT REFERENCE NO. U-3849	SHEET NO. EC-04/CONST.04
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



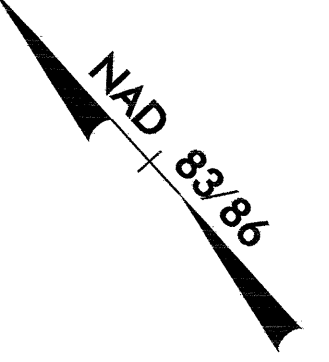
BEGIN TIP PROJECT U-3849
-L- STA. 5+13.50
BEGIN CONSTRUCTION

(U-0620-3)
-BL- POT 5+00.00=
-BY12- PINC 20+48.50
U-0620 BL- 203+82.90

-L- STA. 206+93.67 LB (U-620) =
-L- STA. 5+00.00 LA (U-3849)

-L-
PI Sta. 198+78.96
Δ = 10° 21' 40" (LT)
D = 0° 45' 00"
L = 1,381.49'
T = 692.63'
R = 7,639.44'

17 x 54 x 3
1.5 inch Skimmer
with 0.875 inch
Orifice Diameter
9 ft. weir
ID 4.1

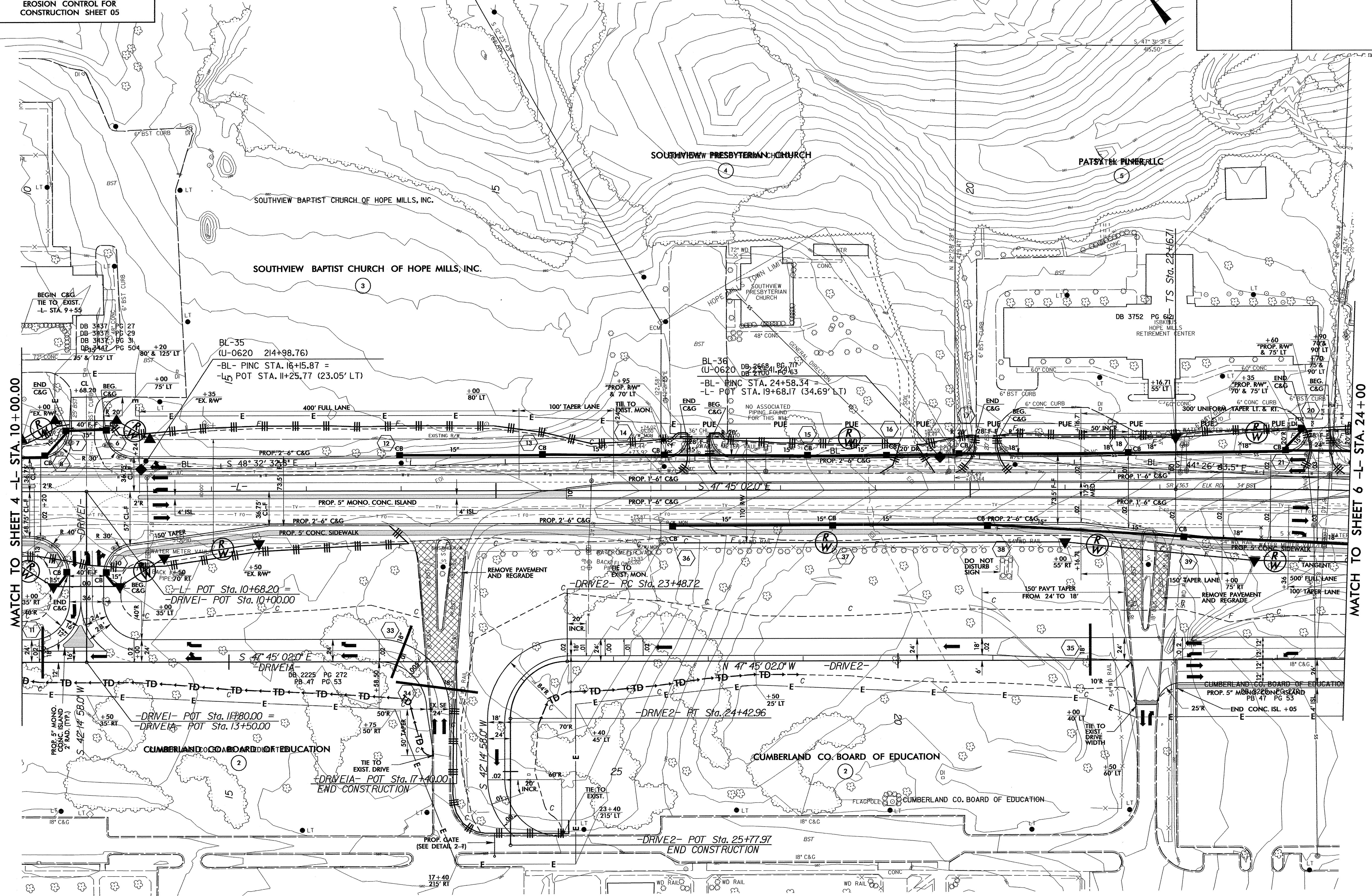
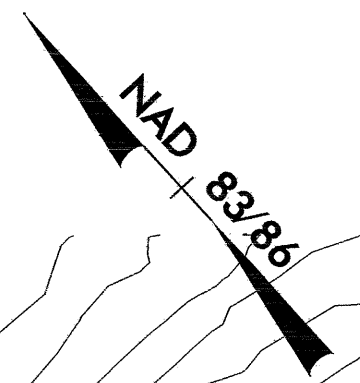


MATCH TO SHEET 5 -L- STA. 10+00.00

PROJECT REFERENCE NO. U-3849	SHEET NO. EC-05/CONST.05
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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 05



MATCH TO SHEET 4 - L- STA. 10+00.00

MATCH TO SHEET 6 - L- STA. 24+00

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 06

Modified Silt Basin
Type 'B'
36 x 30 x 3
(See Tiered Skimmer
Basin Detail)
ID 6.4

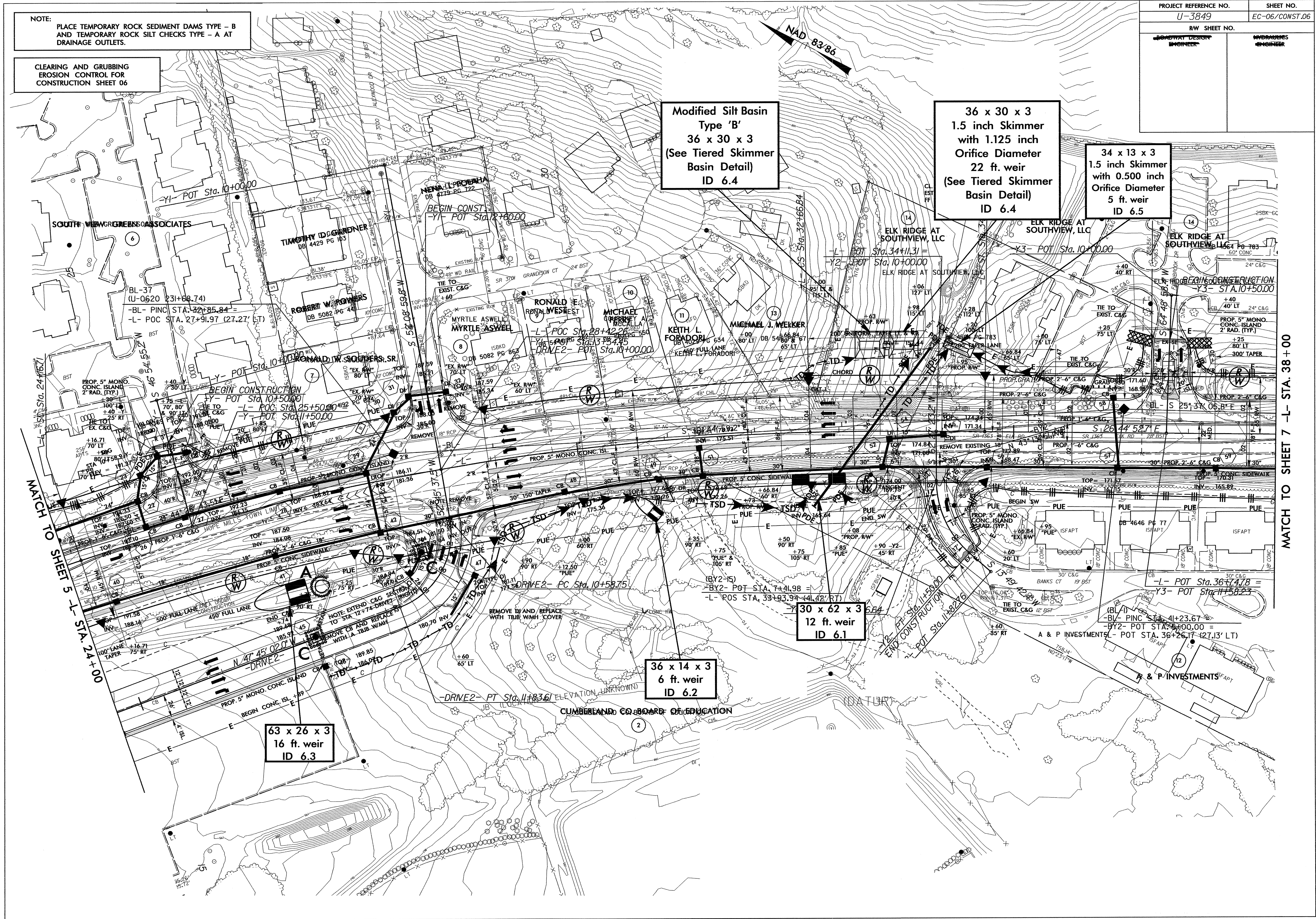
36 x 30 x 3
1.5 inch Skimmer
with 1.125 inch
Orifice Diameter
22 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 6.4

34 x 13 x 3
1.5 inch Skimmer
with 0.500 inch
Orifice Diameter
5 ft. weir
ID 6.5

30 x 62 x 3
12 ft. weir
ID 6.1

36 x 14 x 3
6 ft. weir
ID 6.2

63 x 26 x 3
16 ft. weir
ID 6.3



MATCH TO SHEET 5 - L- STA. 24 + 00

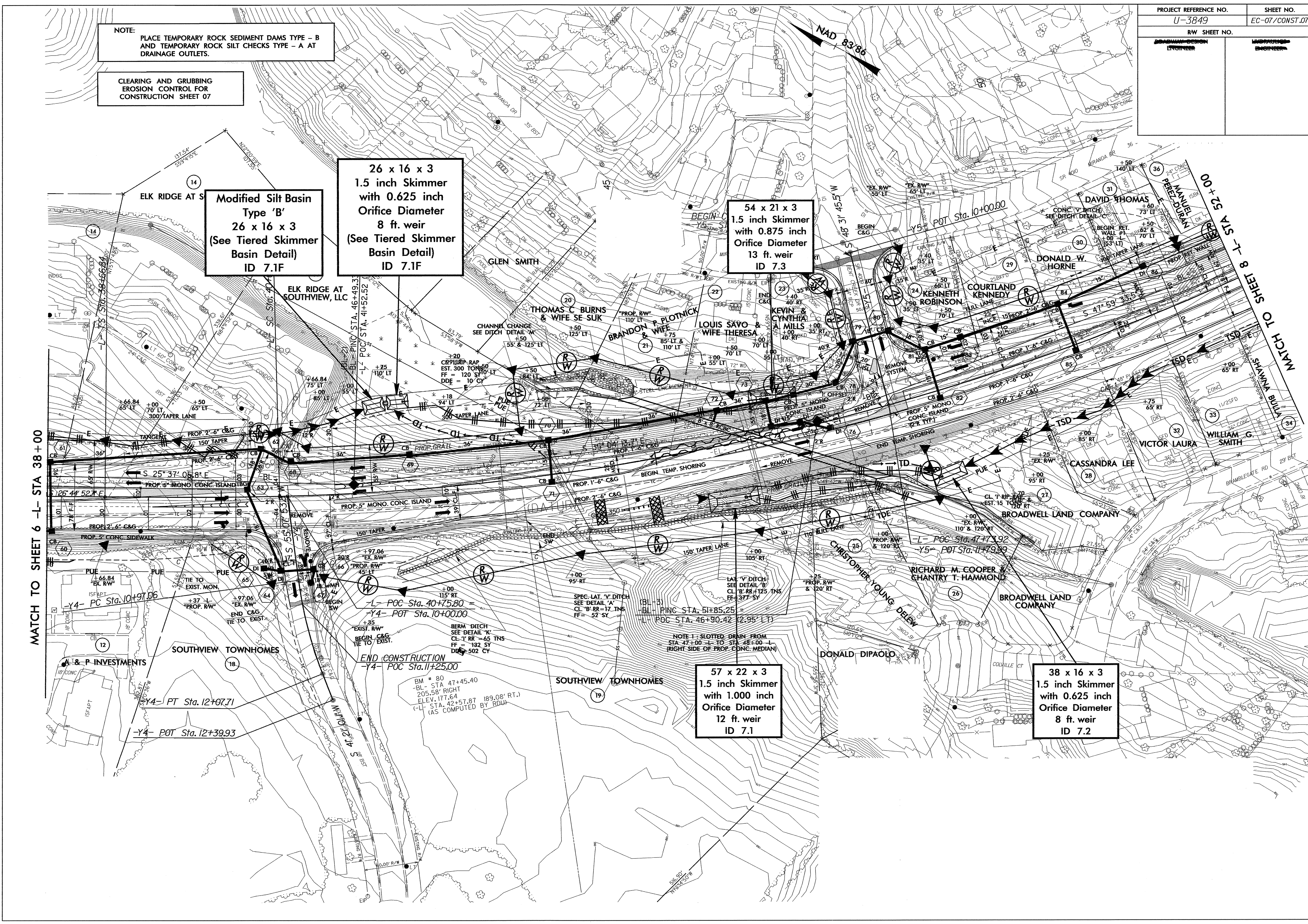
MATCH TO SHEET 7 - L- STA. 38 + 00

CUMBERLAND CO. BOARD OF EDUCATION

PROJECT REFERENCE NO. U-3849	SHEET NO. EC-07/CONST.07
RW SHEET NO.	
DESIGNER ENGINEER	LANDSCAPE ARCHITECT ENGINEER

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 07



**Modified Silt Basin
Type 'B'
26 x 16 x 3
(See Tiered Skimmer
Basin Detail)
ID 7.1F**

**26 x 16 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
8 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 7.1F**

**54 x 21 x 3
1.5 inch Skimmer
with 0.875 inch
Orifice Diameter
13 ft. weir
ID 7.3**

**57 x 22 x 3
1.5 inch Skimmer
with 1.000 inch
Orifice Diameter
12 ft. weir
ID 7.1**

**38 x 16 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
8 ft. weir
ID 7.2**

MATCH TO SHEET 6 - L- STA 38+00

MATCH TO SHEET 8 - L- STA 2+50

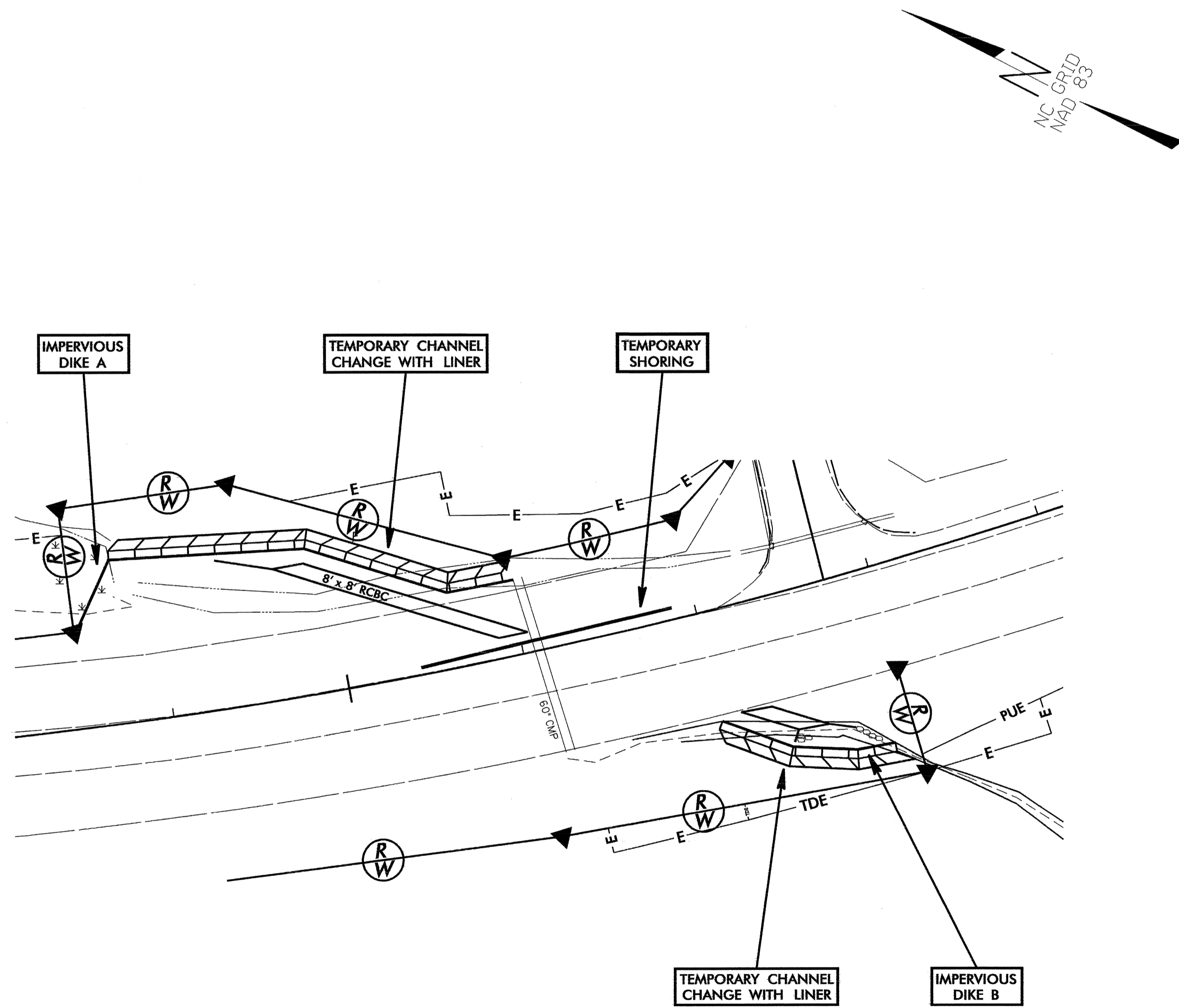
CULVERT CONSTRUCTION SEQUENCE STA. 46+10 -L-

(PAGE 1 OF 2)

PROJECT REFERENCE NO. U-3849	SHEET NO. EC-08/CONST.07
ROADWAY DESIGN ENGINEER	IMBRANGES ENGINEER

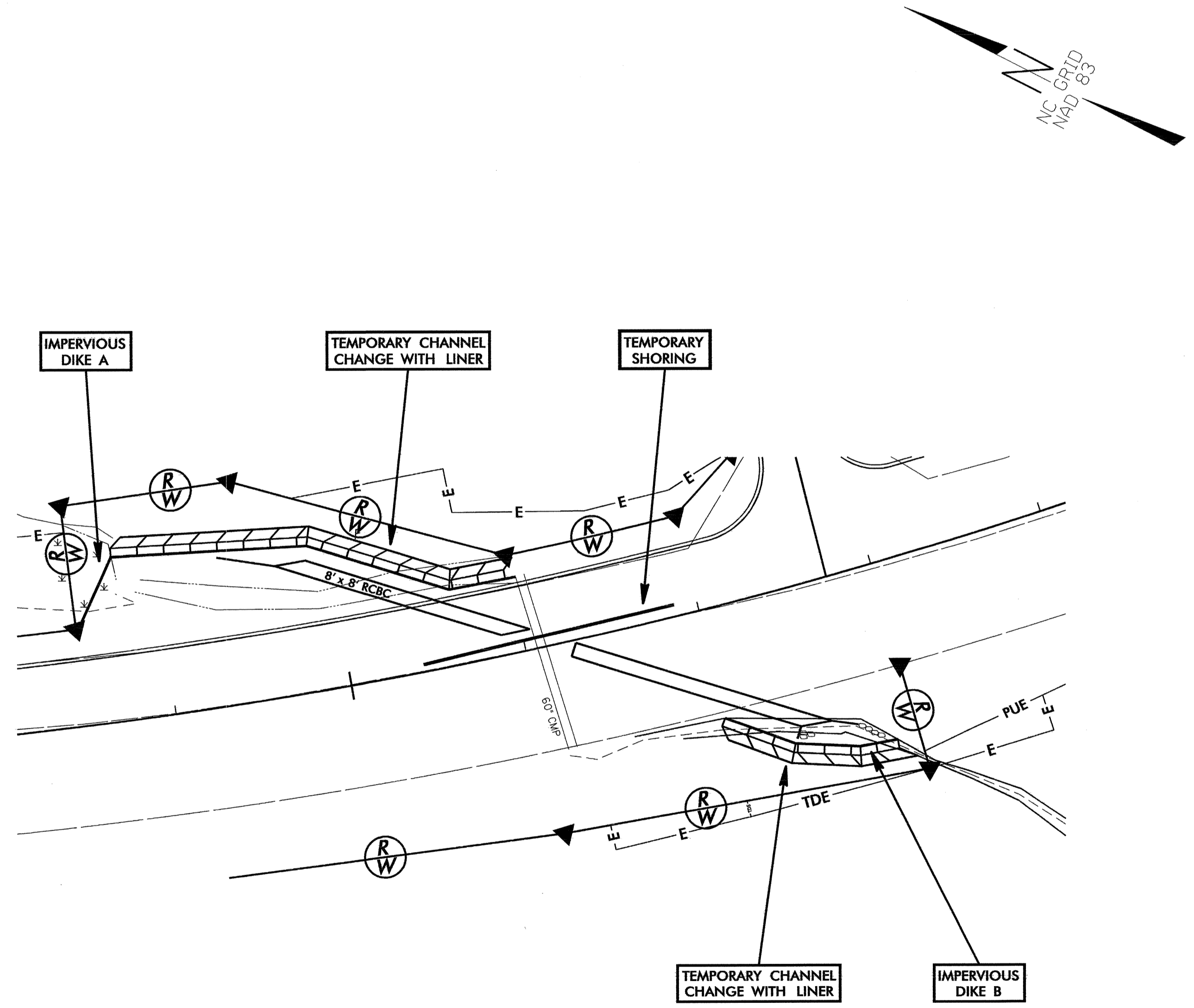
PHASE I

1. UTILIZE SPECIAL STILLING BASIN(S) AS NEEDED THROUGHOUT CULVERT CONSTRUCTION.
2. CONSTRUCT IMPERVIOUS DIKES A AND B AND TEMPORARY CHANNEL CHANGES WITH LINER (5 FT. BASE, 3 FT. DEEP, 2:1 SIDE SLOPES), DIVERTING FLOW AROUND CONSTRUCTION AREA.
3. INSTALL TEMPORARY SHORING, PER TRAFFIC CONTROL PLANS.
4. CONSTRUCT PORTIONS OF THE PROPOSED CULVERT, AS SHOWN.



PHASE II

5. CONSTRUCT PORTION OF NORTHERN SIDE OF THE PROPOSED ROADWAY AND SHIFT TRAFFIC.
6. REMOVE PORTION OF THE EXISTING ROADWAY.
7. CONSTRUCT AS MUCH OF THE PROPOSED CULVERT AS POSSIBLE.

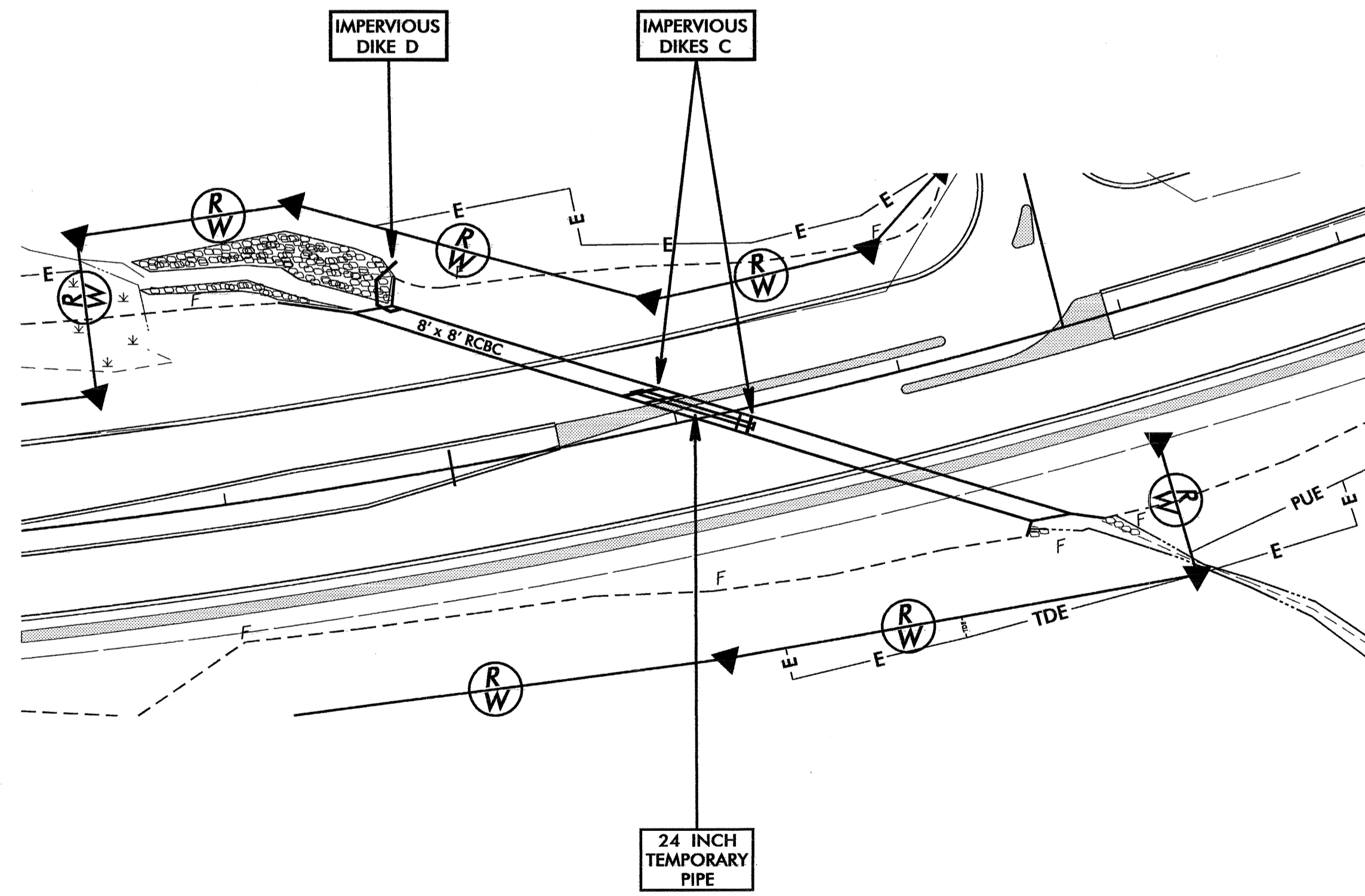
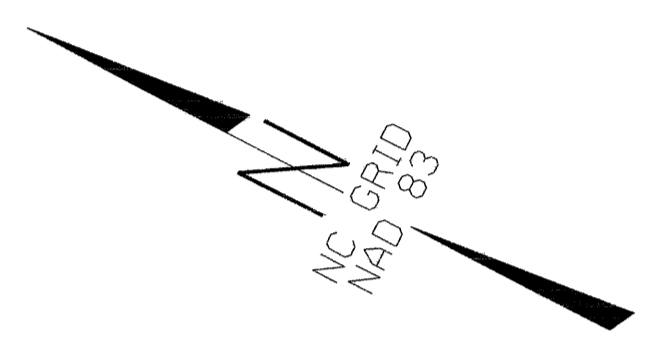


CULVERT CONSTRUCTION SEQUENCE STA. 46+10 -L- (PAGE 2 OF 2)

PROJECT REFERENCE NO. U-3849	SHEET NO. EC-09/CONST.07
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

PHASE III

8. CONSTRUCT IMPERVIOUS DIKES C AND INSTALL 24" TEMPORARY PIPE.
9. REMOVE EXISTING 60" CMP, IMPERVIOUS DIKES A AND B, AND TEMPORARY CHANNEL CHANGES, DIVERTING FLOW THROUGH THE PROPOSED CULVERT AND 24" TEMPORARY PIPE.
10. CONSTRUCT IMPERVIOUS DIKE D AND CONSTRUCT EASTERNMOST INLET WINGWALL.
11. REMOVE IMPERVIOUS DIKE D AND TEMPORARY SHORING.
12. COMPLETE CONSTRUCTION OF THE PROPOSED CULVERT, INCLUDING ANY NECESSARY UPSTREAM/DOWNSTREAM CHANNEL IMPROVEMENTS.
13. REMOVE IMPERVIOUS DIKES C AND 24" TEMPORARY PIPE.
14. REMOVE ANY REMAINING SPECIAL STILLING BASIN(S), AND COMPLETE ROADWAY.



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 08

PROJECT REFERENCE NO. U-3849	SHEET NO. EC-10/CONST.08
R/W SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	

Modified Silt Basin
Type 'B'
26 x 22 x 3
(See Tiered Skimmer
Basin Detail)
ID 8.2

26 x 22 x 3
1.5 inch Skimmer
with 0.750 inch
Orifice Diameter
12 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 8.2

31 x 31 x 3
1.5 inch Skimmer
with 1.125 inch
Orifice Diameter
22 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 8.3

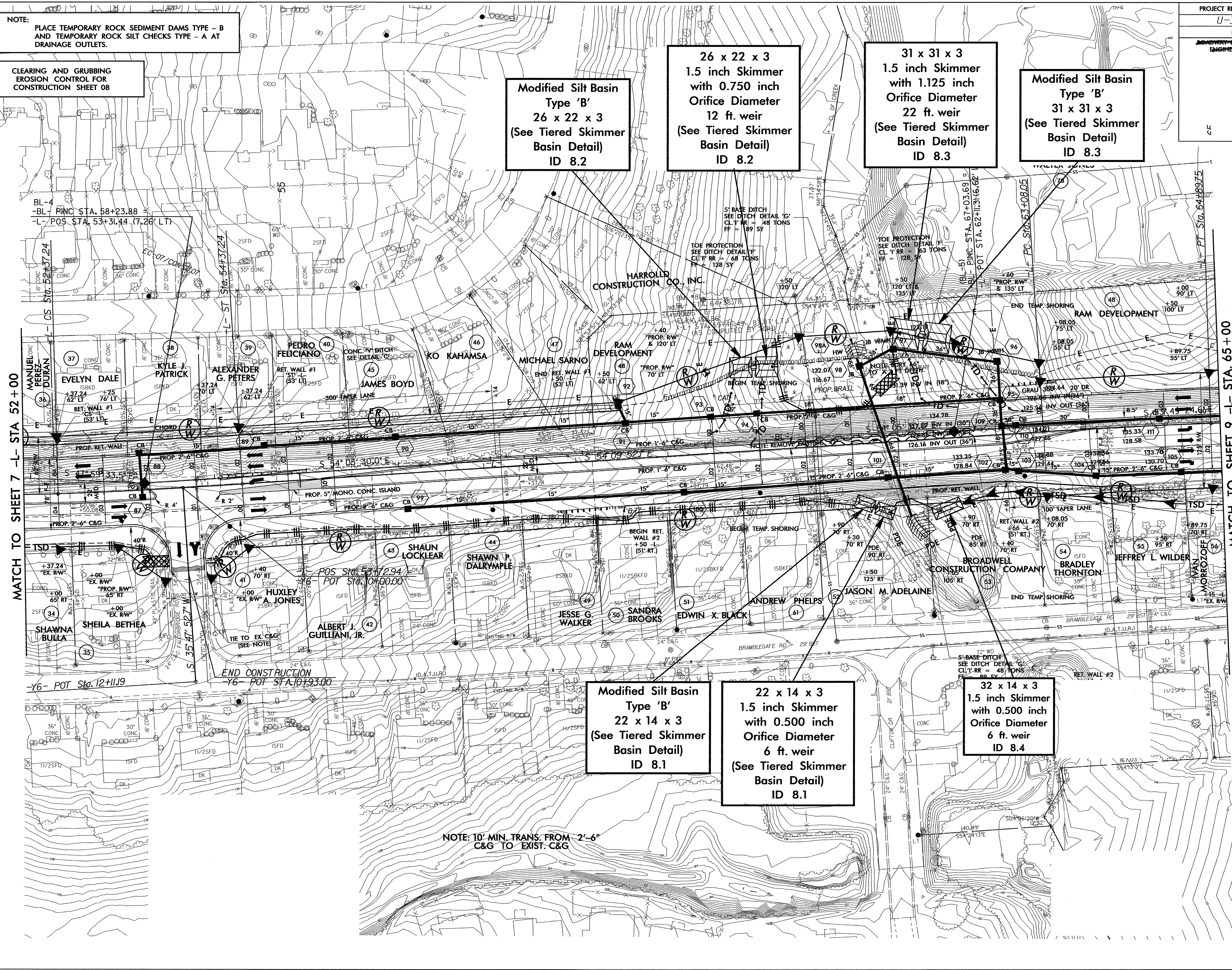
Modified Silt Basin
Type 'B'
31 x 31 x 3
(See Tiered Skimmer
Basin Detail)
ID 8.3

Modified Silt Basin
Type 'B'
22 x 14 x 3
(See Tiered Skimmer
Basin Detail)
ID 8.1

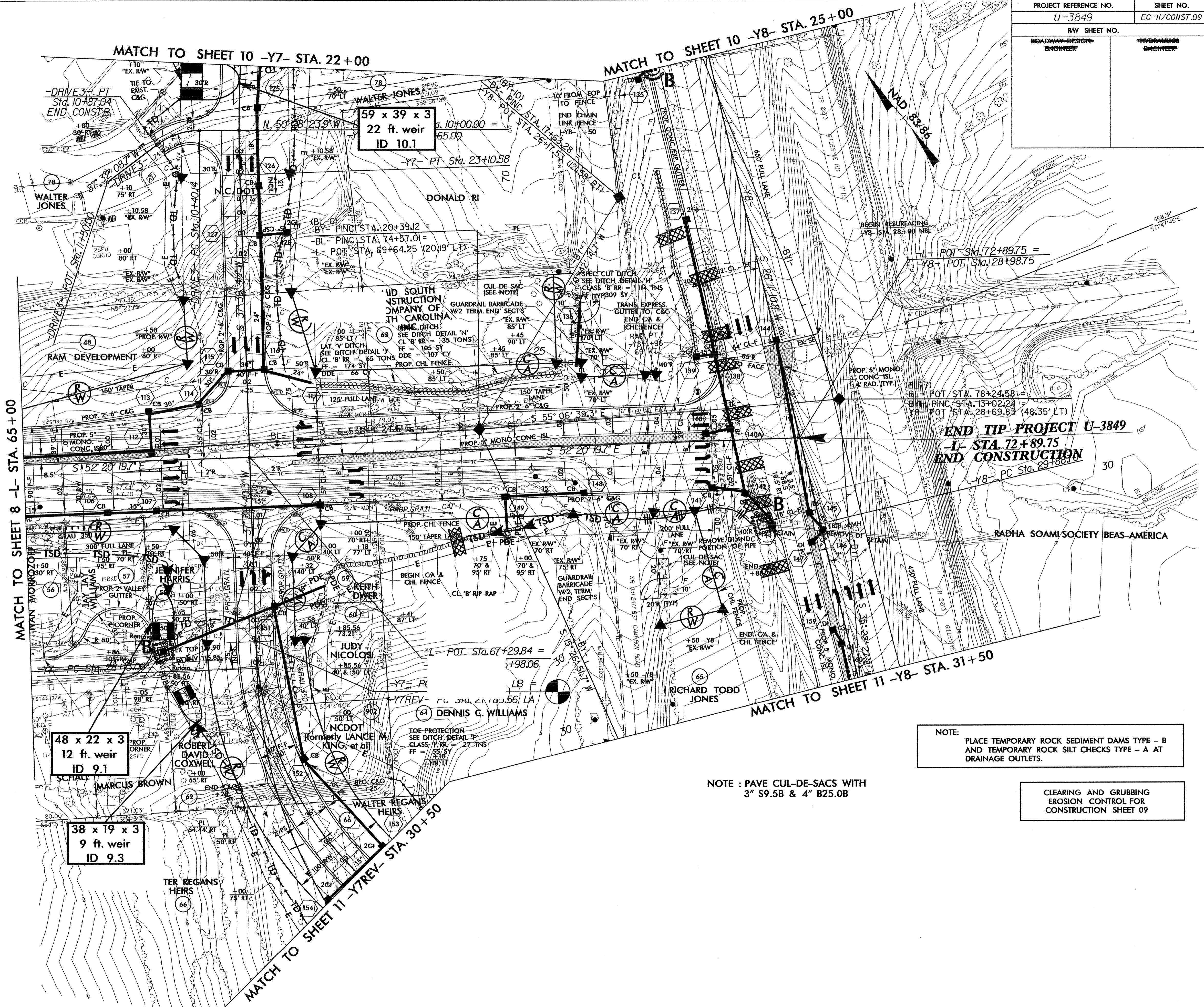
22 x 14 x 3
1.5 inch Skimmer
with 0.500 inch
Orifice Diameter
6 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 8.1

32 x 14 x 3
1.5 inch Skimmer
with 0.500 inch
Orifice Diameter
6 ft. weir
ID 8.4

NOTE: 10' MIN. TRANS. FROM 2'-6" C&G TO EXIST. C&G



PROJECT REFERENCE NO. U-3849	SHEET NO. EC-11/CONST.09
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULIC ENGINEER



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

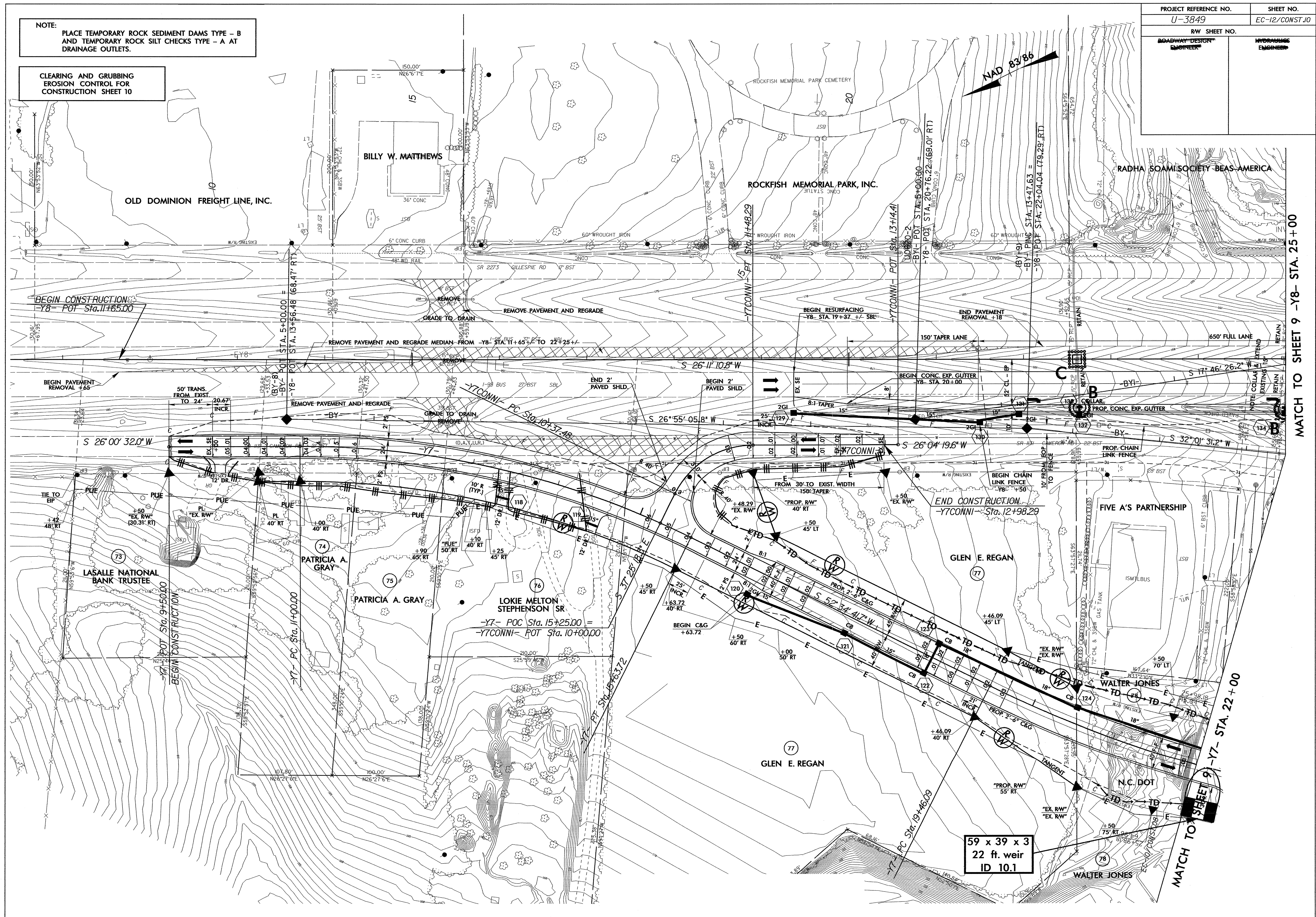
NOTE : PAVE CUL-DE-SACS WITH
 3" S9.5B & 4" B25.0B

CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 09

PROJECT REFERENCE NO.	SHEET NO.
U-3849	EC-12/CONST.10
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULIC ENGINEER

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

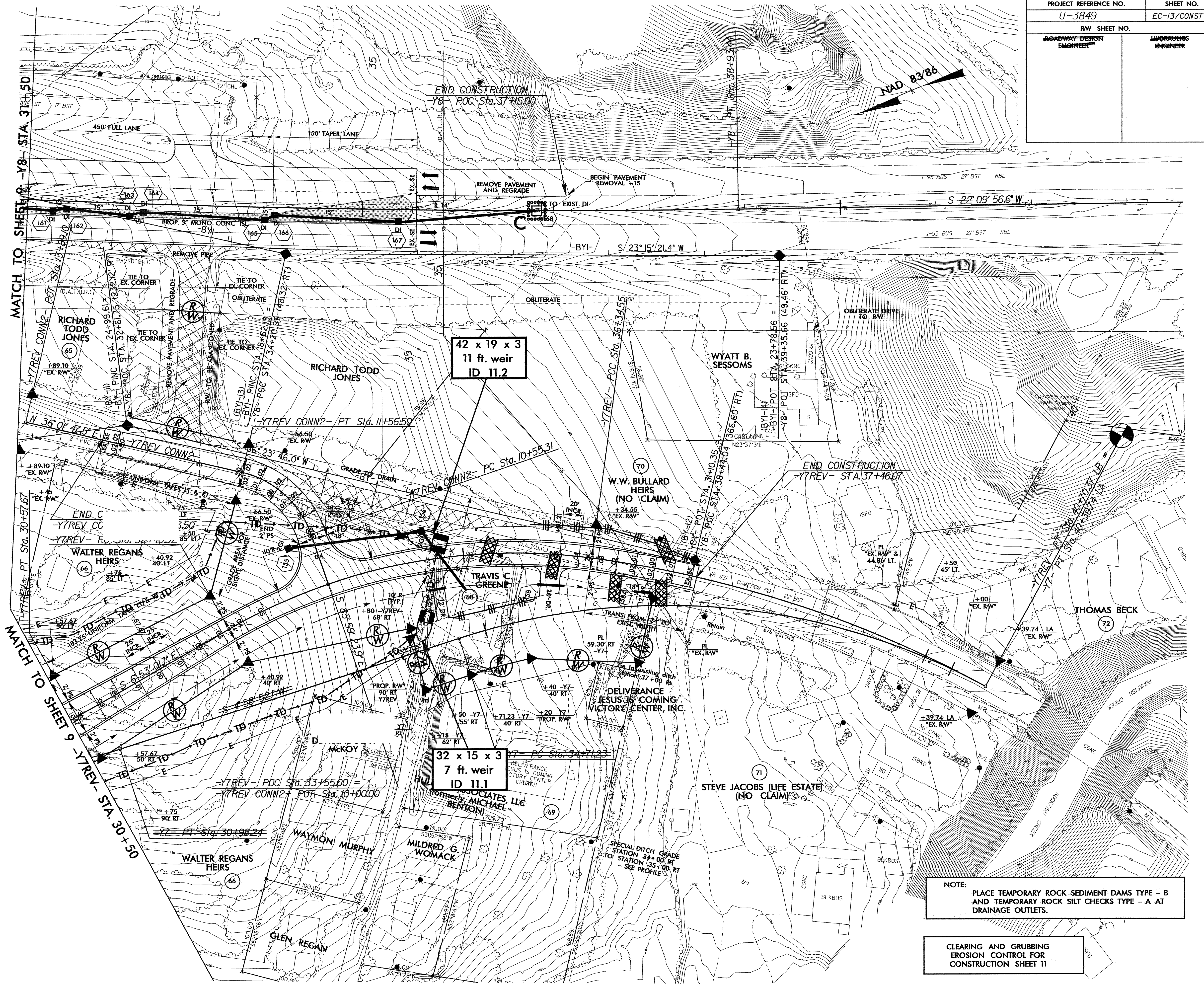


MATCH TO SHEET 9 -Y8- STA. 25+00

MATCH TO SHEET 9 -Y7- STA. 22+00

59 x 39 x 3
22 ft. weir
ID 10.1

PROJECT REFERENCE NO. U-3849	SHEET NO. EC-13/CONST.II
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	ADVISOR ENGINEER



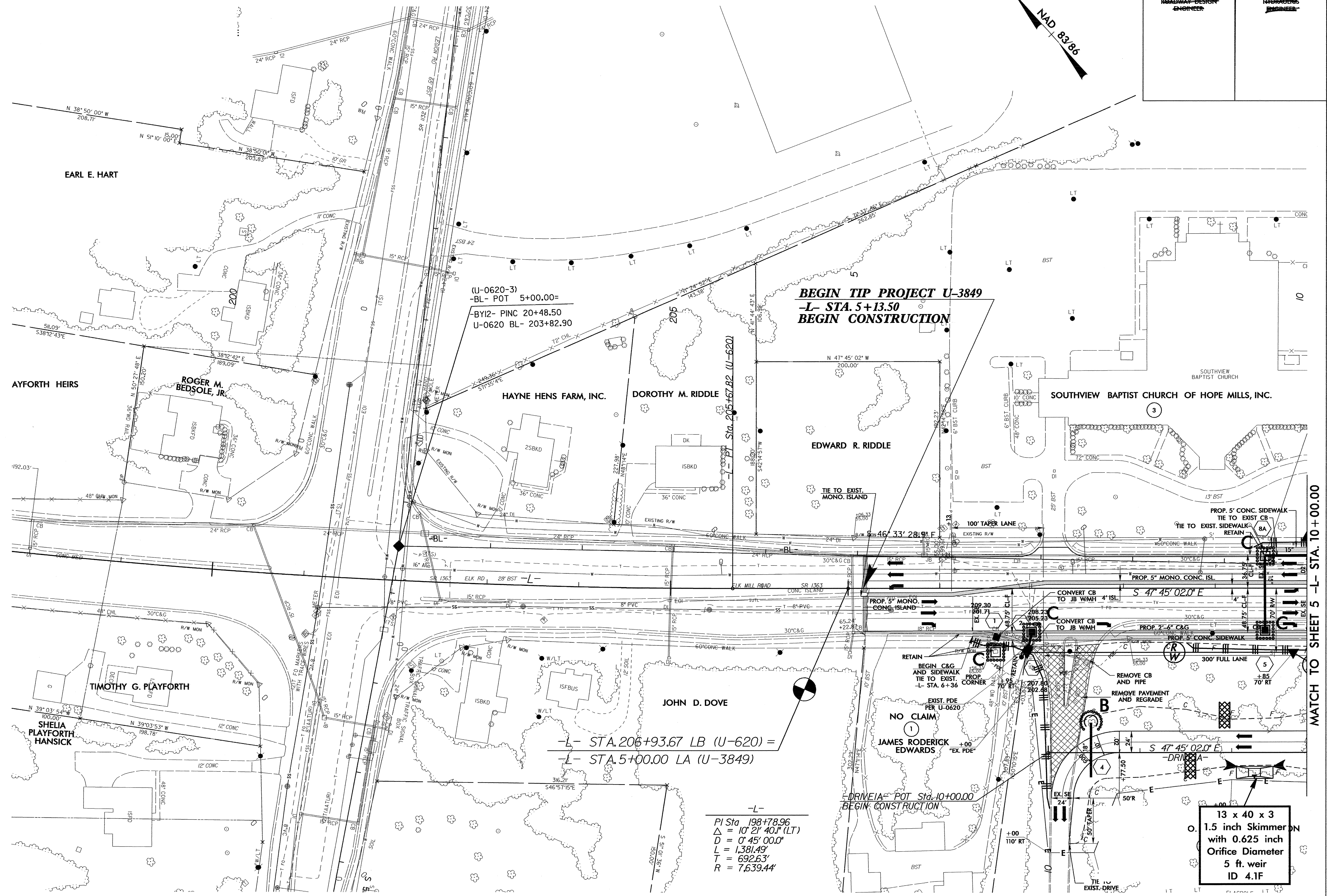
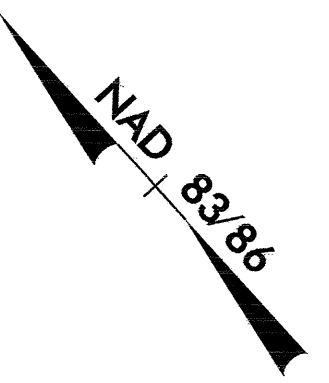
42 x 19 x 3
11 ft. weir
ID 11.2

32 x 15 x 3
7 ft. weir
ID 11.1

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

PROJECT REFERENCE NO.	SHEET NO.
U-3849	EC-14/CONST.04
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



BEGIN TIP PROJECT U-3849
-L- STA. 5+13.50
BEGIN CONSTRUCTION

(U-0620-3)
 -BL- POT 5+00.00=
 -BY12- PINC 20+48.50
 U-0620 BL- 203+82.90

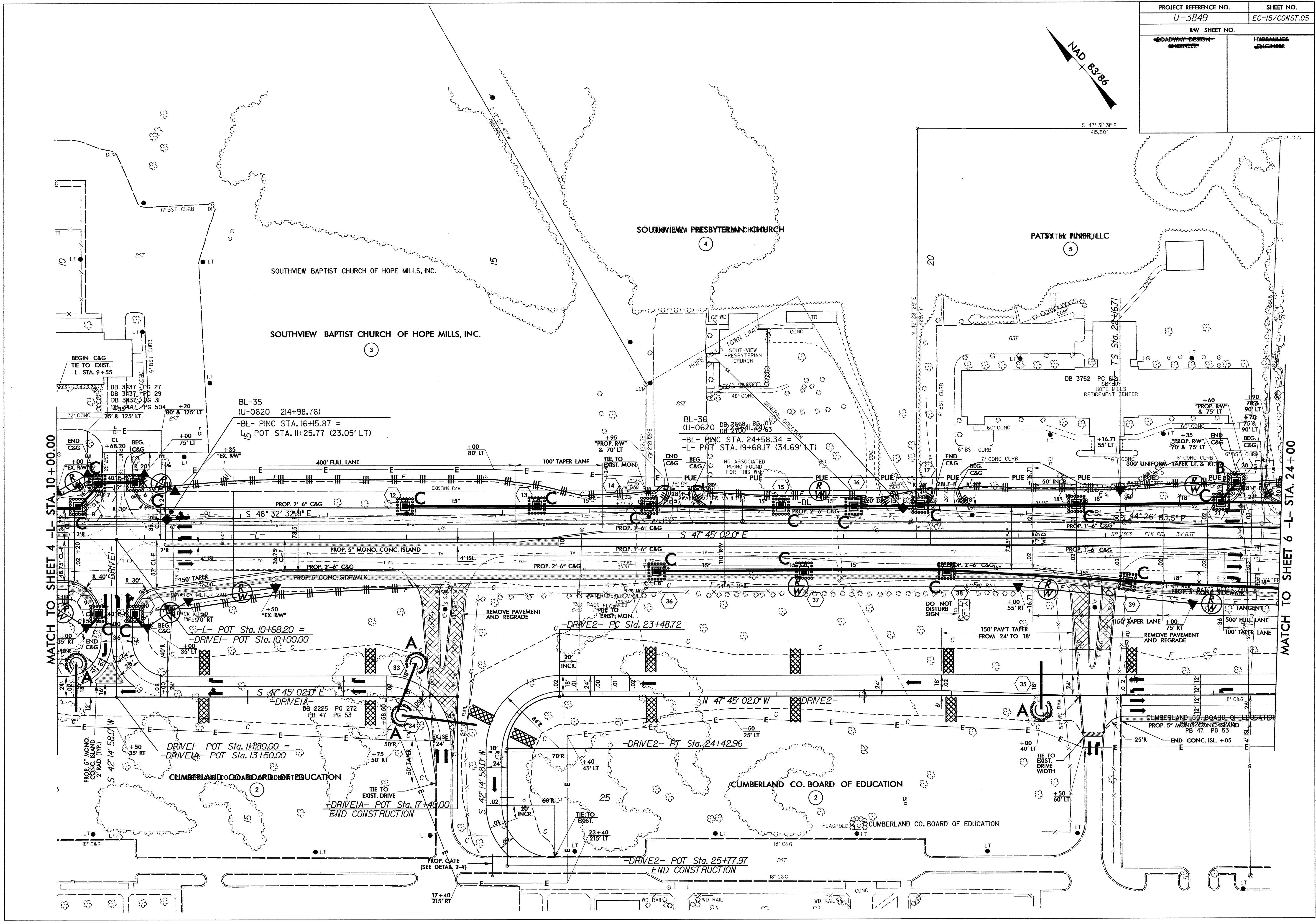
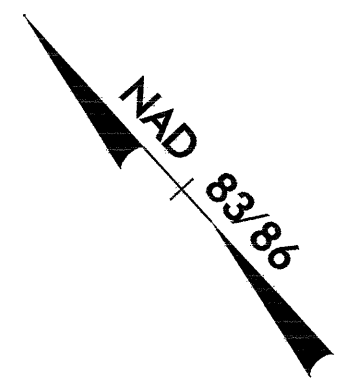
-L- STA. 206+93.67 LB (U-620) =
 -L- STA. 5+00.00 LA (U-3849)

-L-
 PI Sta. 198+78.96
 $\Delta = 10' 21' 40.1''$ (LT)
 $D = 0' 45' 00.0''$
 $L = 1,381.49'$
 $T = 692.63'$
 $R = 7,639.44'$

13 x 40 x 3
 1.5 inch Skimmer on
 with 0.625 inch
 Orifice Diameter
 5 ft. weir
 ID 4.1F

MATCH TO SHEET 5 -L- STA. 10+00.00

PROJECT REFERENCE NO.	SHEET NO.
U-3849	EC-15/CONST.05
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULIC ENGINEER



MATCH TO SHEET 4 - L- STA. 10+00.00

MATCH TO SHEET 6 - L- STA. 24+00

PROJECT REFERENCE NO.	SHEET NO.
U-3849	EC-16/CONST.06
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Modified Silt Basin
Type 'B'
28 x 16 x 3
(See Tiered Skimmer
Basin Detail)
ID 6.3F

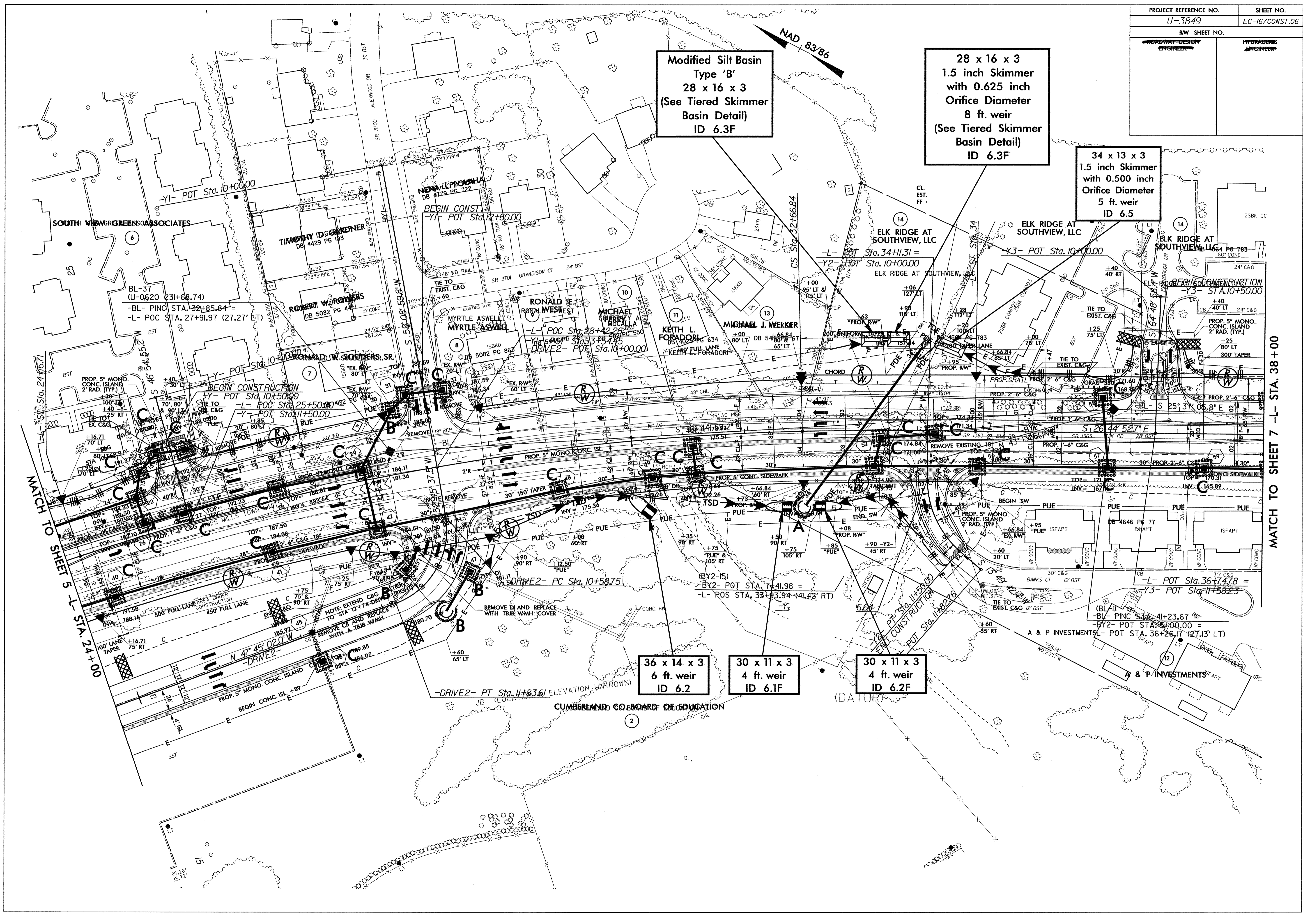
28 x 16 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
8 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 6.3F

34 x 13 x 3
1.5 inch Skimmer
with 0.500 inch
Orifice Diameter
5 ft. weir
ID 6.5

36 x 14 x 3
6 ft. weir
ID 6.2

30 x 11 x 3
4 ft. weir
ID 6.1F

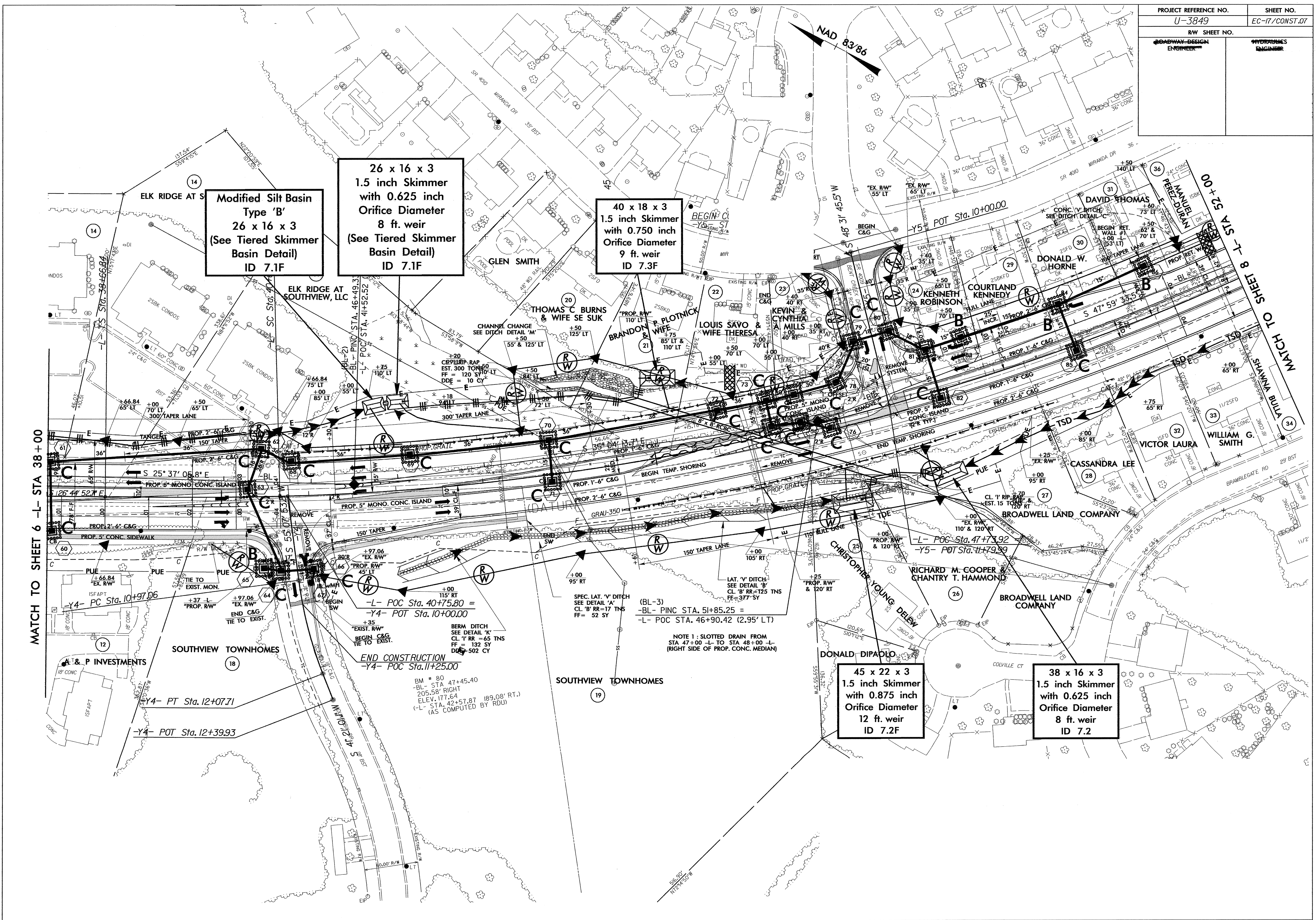
30 x 11 x 3
4 ft. weir
ID 6.2F



MATCH TO SHEET 5-L-STA. 24+00

MATCH TO SHEET 7-L-STA. 38+00

PROJECT REFERENCE NO. U-3849	SHEET NO. EC-17/CONST.07
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDROLOGICAL ENGINEER



MATCH TO SHEET 6 -L- STA 38+00

MATCH TO SHEET 8 -L- STA 25+00

Modified Silt Basin
Type 'B'
26 x 16 x 3
(See Tiered Skimmer
Basin Detail)
ID 7.1F

26 x 16 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
8 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 7.1F

40 x 18 x 3
1.5 inch Skimmer
with 0.750 inch
Orifice Diameter
9 ft. weir
ID 7.3F

45 x 22 x 3
1.5 inch Skimmer
with 0.875 inch
Orifice Diameter
12 ft. weir
ID 7.2F

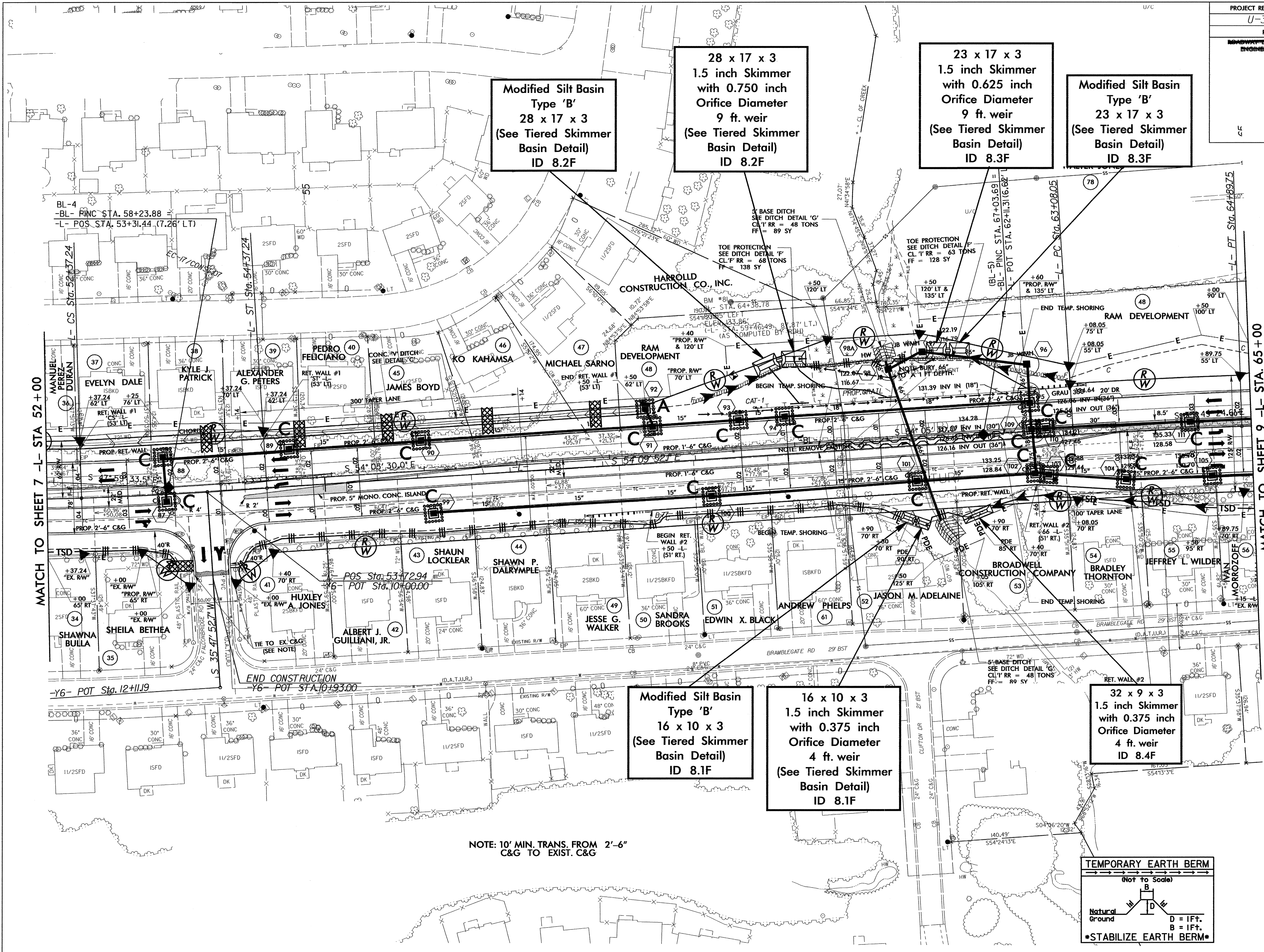
38 x 16 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
8 ft. weir
ID 7.2

NOTE 1: SLOTTED DRAIN FROM
STA 47+00 -L- TO STA 48+00 -L-
(RIGHT SIDE OF PROP. CONC. MEDIAN)

END CONSTRUCTION
-Y4- POC Sta. 11+25.00

BM # 80
-BL- STA 47+45.40
205.58' RIGHT
ELEV. 177.64
(-L- STA. 42+57.87 189.08' RT.)
(AS COMPUTED BY RDU)

PROJECT REFERENCE NO.	SHEET NO.
U-3849	EC-18/CONST.08
RW SHEET NO.	
ROADWAY DESIGNER	HYDROLOGIC ENGINEER
ENGINEER	ENGINEER



Modified Silt Basin
Type 'B'
28 x 17 x 3
(See Tiered Skimmer
Basin Detail)
ID 8.2F

28 x 17 x 3
1.5 inch Skimmer
with 0.750 inch
Orifice Diameter
9 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 8.2F

23 x 17 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
9 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 8.3F

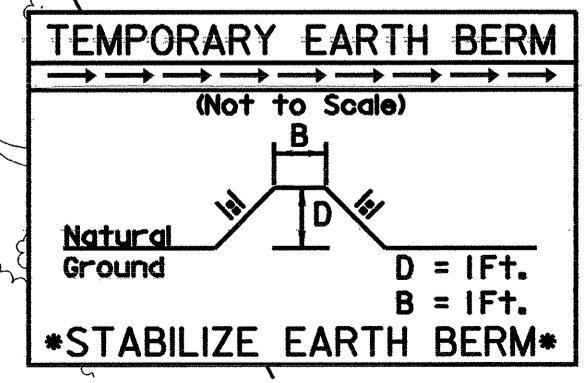
Modified Silt Basin
Type 'B'
23 x 17 x 3
(See Tiered Skimmer
Basin Detail)
ID 8.3F

Modified Silt Basin
Type 'B'
16 x 10 x 3
(See Tiered Skimmer
Basin Detail)
ID 8.1F

16 x 10 x 3
1.5 inch Skimmer
with 0.375 inch
Orifice Diameter
4 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 8.1F

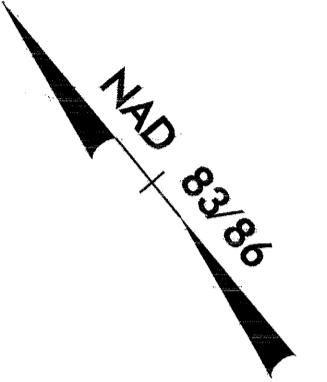
32 x 9 x 3
1.5 inch Skimmer
with 0.375 inch
Orifice Diameter
4 ft. weir
ID 8.4F

NOTE: 10' MIN. TRANS. FROM 2'-6" C&G TO EXIST. C&G

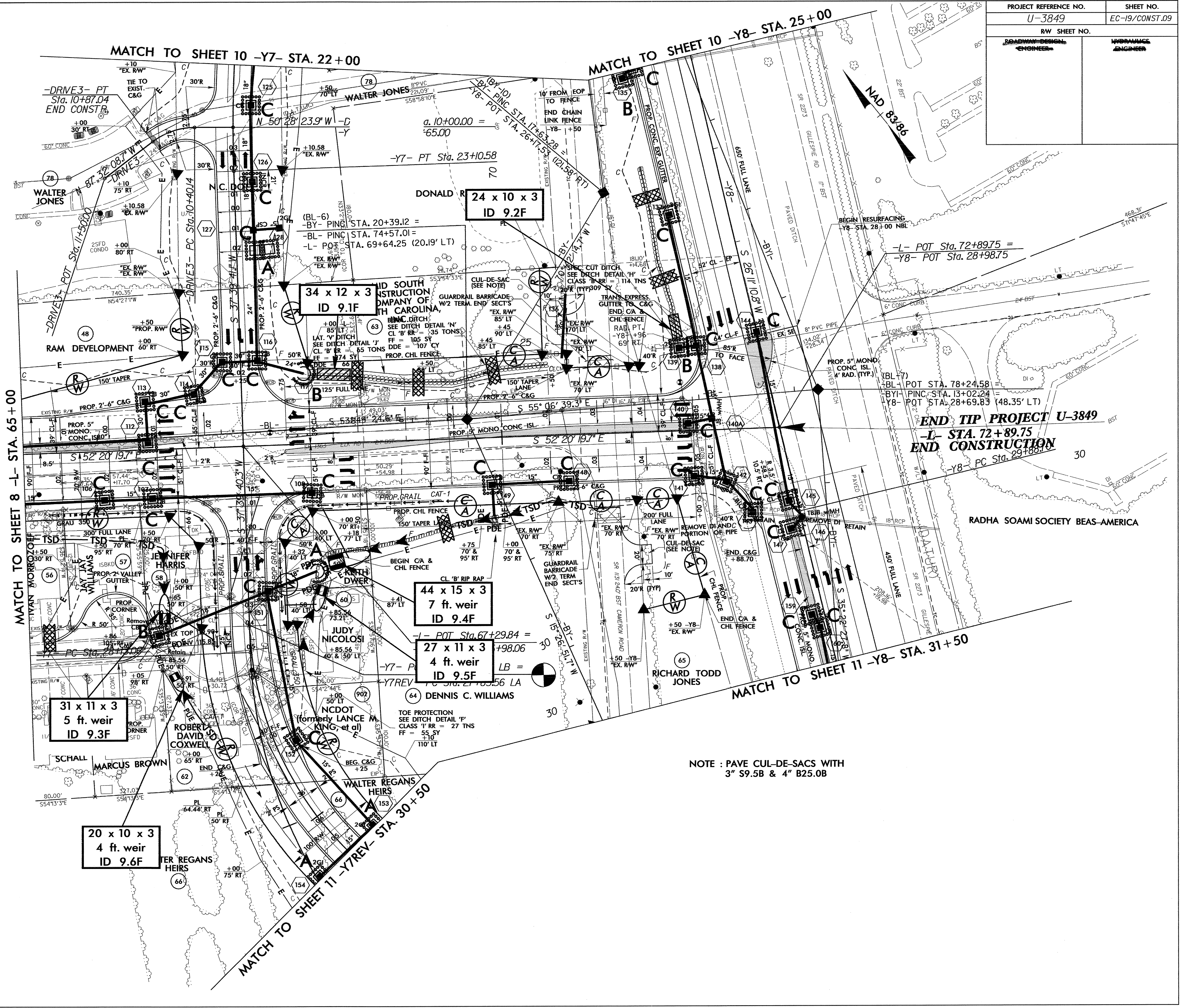


MATCH TO SHEET 7 -L- STA 52+00

MATCH TO SHEET 9 -L- STA. 65+00

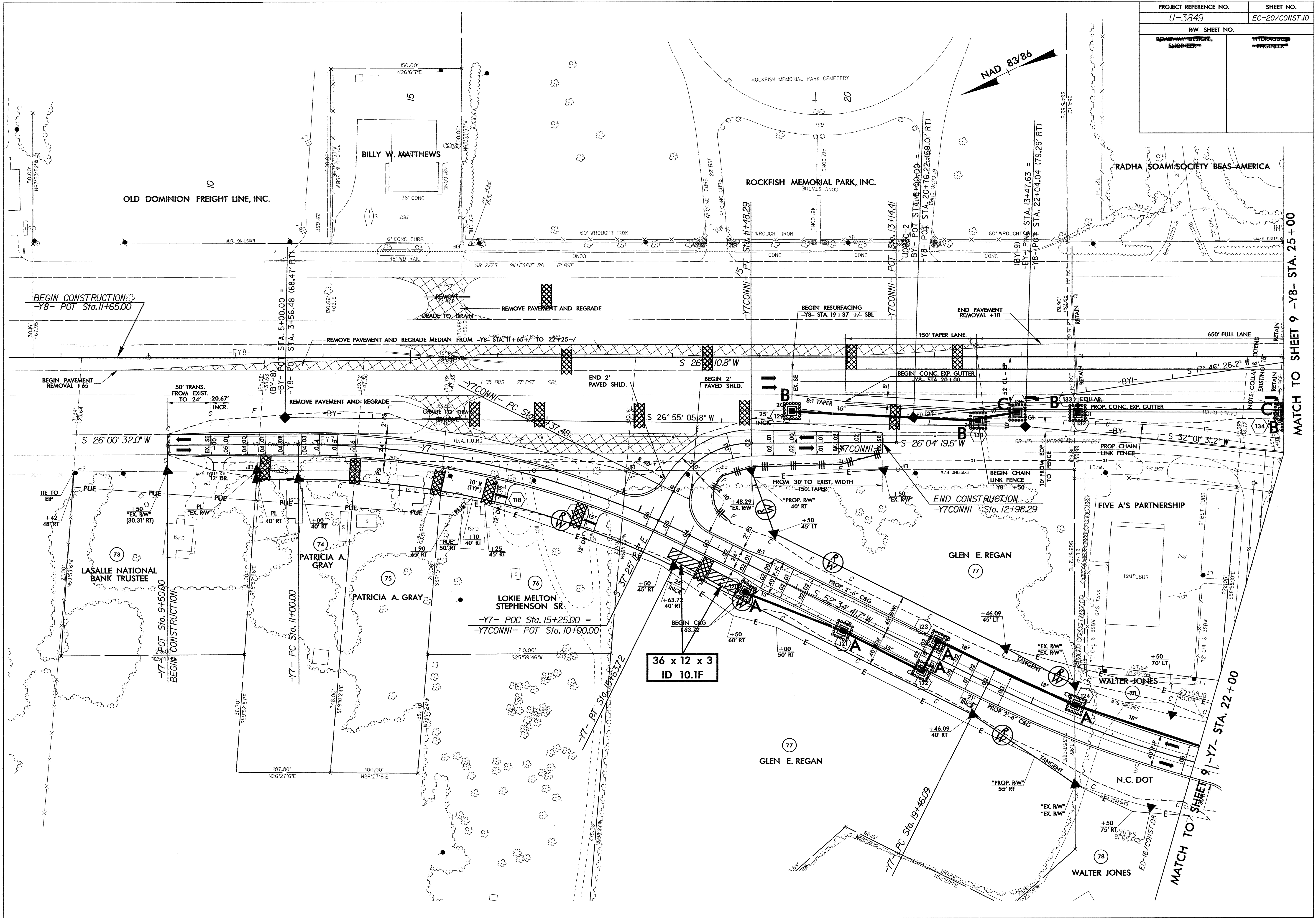


PROJECT REFERENCE NO.	SHEET NO.
U-3849	EC-19/CONST.09
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



NOTE: PAVE CUL-DE-SACS WITH
3" S9.5B & 4" B25.0B

PROJECT REFERENCE NO.	SHEET NO.
U-3849	EC-20/CONST.10
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	TITLE BLOCK ENGINEER



MATCH TO SHEET 9 -Y8- STA. 25 +00

MATCH TO SHEET 9 -Y7- STA. 22 +00

PROJECT REFERENCE NO.	SHEET NO.
U-3849	EC-21/CONST.II
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

