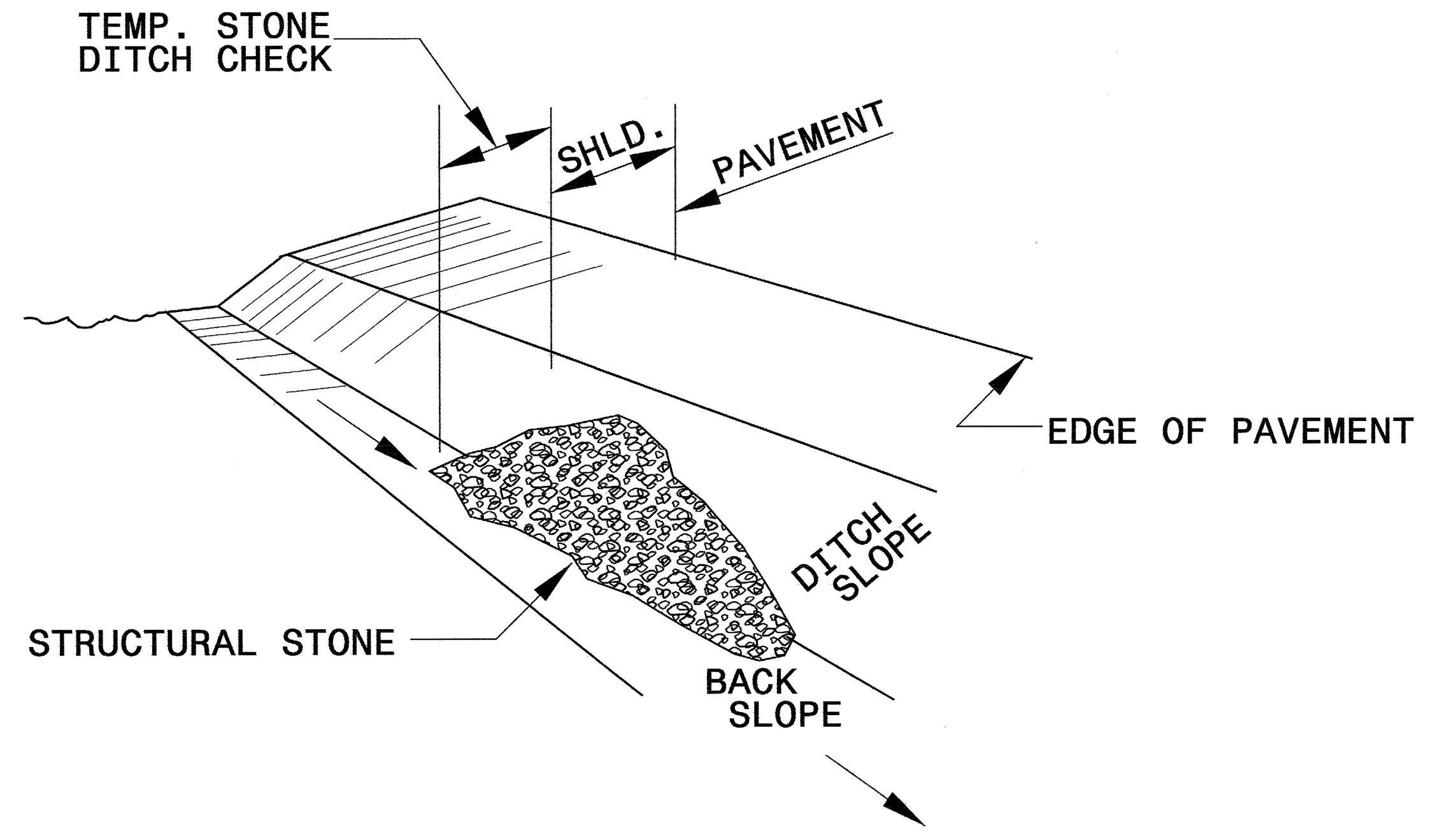




PROJECT REFERENCE NO. B-3876	SHEET NO. EC-2
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

# TEMPORARY ROCK SILT CHECK TYPE 'B' DETAIL

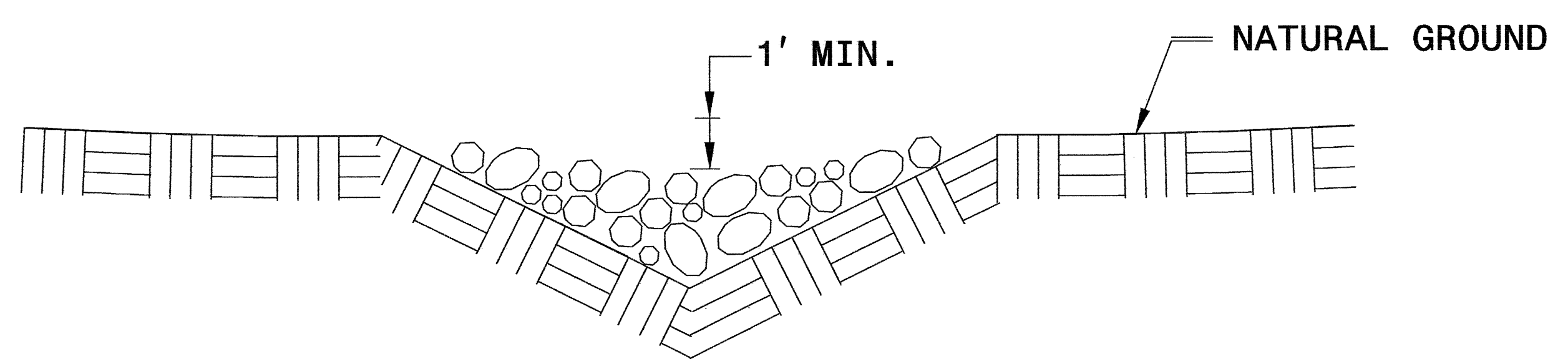


**ISOMETRIC VIEW**

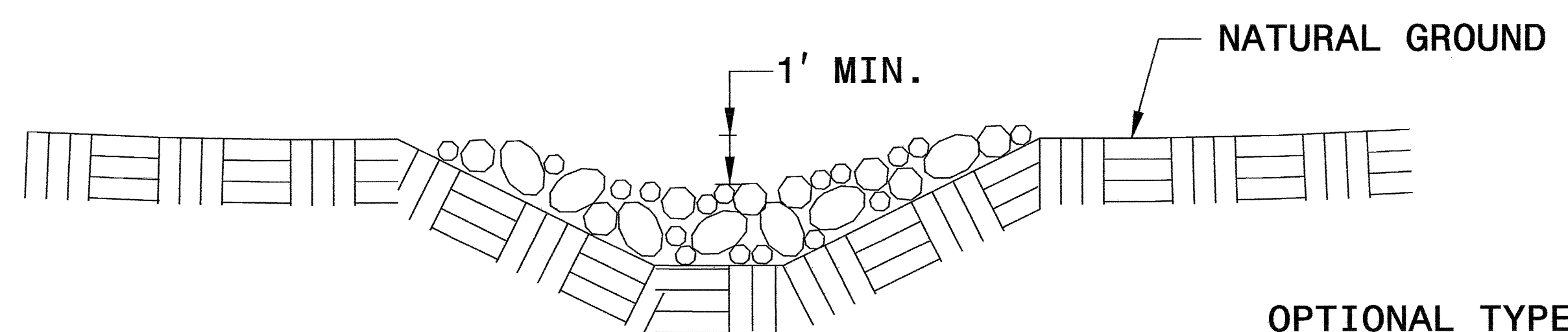
**NOTES:**

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

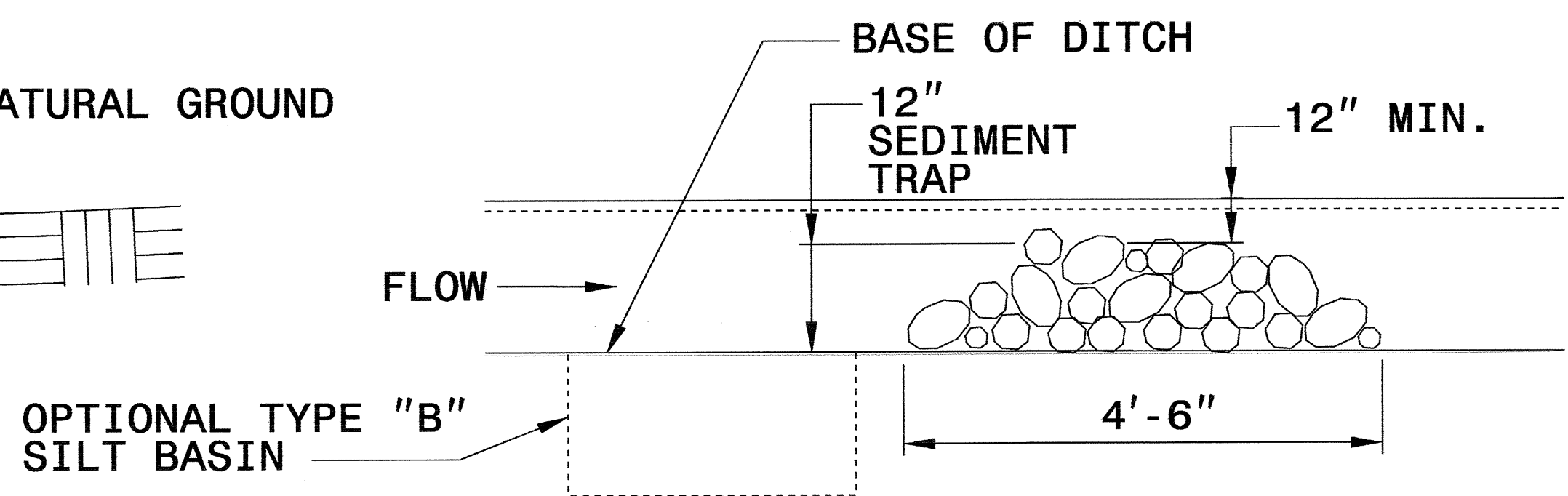
THE ENGINEER MAY DIRECT THE OPTION OF CLASS "A" STONE FOR SITES HAVING LESS THAN ONE (1) ACRE DRAINAGE AREA AND A DITCH GRADE LESS THAN 3%.



**CROSS SECTION VEE DITCH**



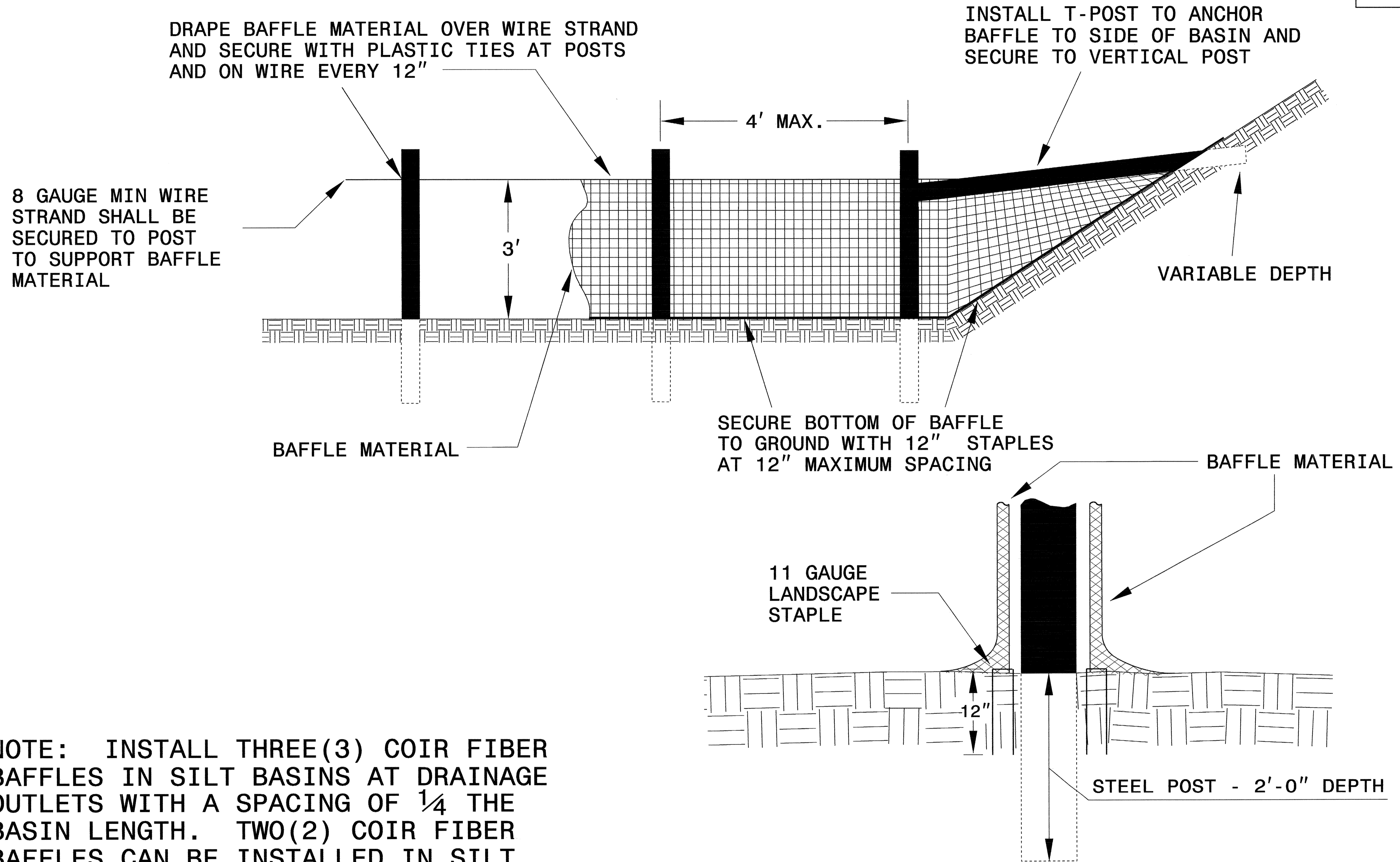
**CROSS SECTION TRAPEZOIDAL DITCH**



**ELEVATION VIEW**

PROJECT REFERENCE NO. B-3876	SHEET NO. EC-2A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

# COIR FIBER BAFFLE DETAIL



NOTE: INSTALL THREE (3) COIR FIBER BAFFLES IN SILT BASINS AT DRAINAGE OUTLETS WITH A SPACING OF  $\frac{1}{4}$  THE BASIN LENGTH. TWO (2) COIR FIBER BAFFLES CAN BE INSTALLED IN SILT BASINS LESS THAN 20 FT. IN LENGTH WITH A SPACING OF  $\frac{1}{3}$  THE BASIN LENGTH.

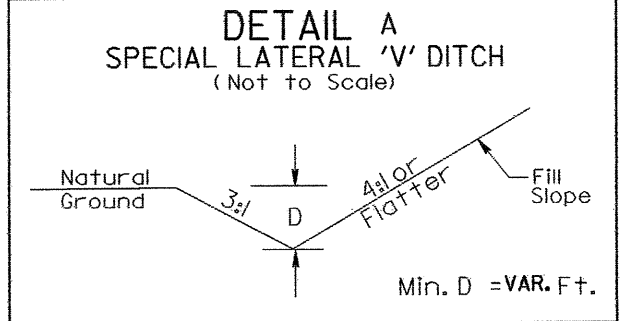
BAFFLE MATERIAL SHALL BE SECURED TO THE BOTTOM AND SIDES OF BASIN USING 12" LANDSCAPE STAPLES





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 13-MAR-2007 10:22:53 3876\environmental\design\b3876\_rdy\_psh04.dgn  
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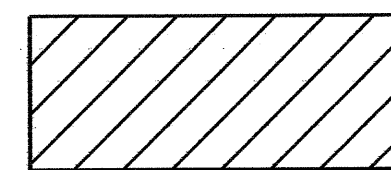
PROJECT REFERENCE NO.		SHEET NO.	
B-3876		EC-4/CONST.4	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	



STA 14+00-L- TO STA 17+50-L- (RIGHT)

CLEARING AND GRUBBING  
 EROSION CONTROL FOR  
 CONSTRUCTION SHEET 4

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

 ENVIRONMENTALLY SENSITIVE AREA  
 SEE PROJECT SPECIAL PROVISIONS

NOTE:  
 UTILIZE TEMPORARY ROCK SILT CHECK TYPE - A  
 AS STILLING BASIN WHERE APPLICABLE.

-L-  
 P/ Sta 11+08.97  
 $\Delta = 3' 17' 31.1''$  (RT)  
 $D = 2' 08' 48.6''$   
 $L = 153.34'$   
 $T = 76.69'$   
 $R = 2,668.83'$   
 e = EXISTING

-L- POT 13+19.62  
 (25.37' LT.)

35 x 10 x 3  
 4' weir  
 ID 4.3

NOTE: USE 5.0' O/S FOR 3-CENTERED  
 CURVE (120'-40'-120')

GUY W. & BEVERLY VICK  
 D.B. 877 PG. 305  
 P.B. 9 PG. 57

25 x 13 x 3  
 4' weir  
 ID 4.4

RICHARD L. & KATHERYN TYSON  
 NO DEED REFERENCE  
 P.B. 25 PG. 103

-L- POC 18+90.46 (71.44' LT)

WOODS  
 GRADE TO DRAIN FROM  
 STA 16+50-L- TO 18+50-L- (LEFT)

-Y- STA. 14+50.00  
 BEGIN CONSTRUCTION

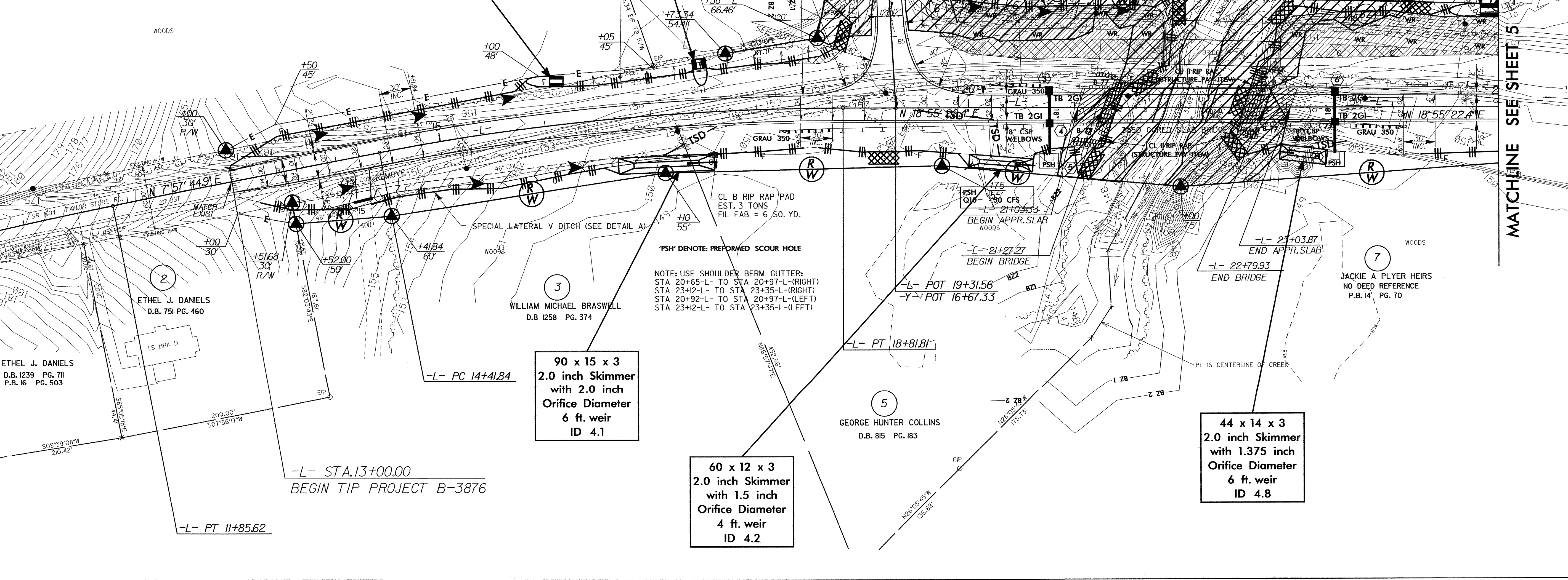
NOTE: REMOVE EXISTING 42" CMP AND REPLACE WITH  
 A 60 INCH RCP. BURY THE 60 INCH RCP A FOOT.

THREE MR LTD PARTNERSHIP, ETAL  
 D.B. 1834 PG. 825  
 P.B. 18 PG. 298

-L- POT 23+05.99 (65.95' LT.)

46 x 13 x 3  
 4' weir  
 ID 4.10b

MORRIS BATTLE HEIRS  
 NO DEED REFERENCE



90 x 15 x 3  
 2.0 inch Skimmer  
 with 2.0 inch  
 Orifice Diameter  
 6 ft. weir  
 ID 4.1

60 x 12 x 3  
 2.0 inch Skimmer  
 with 1.5 inch  
 Orifice Diameter  
 4 ft. weir  
 ID 4.2

44 x 14 x 3  
 2.0 inch Skimmer  
 with 1.375 inch  
 Orifice Diameter  
 6 ft. weir  
 ID 4.8

MATCHLINE SEE SHEET 5 -L- STA. 25 + 00.00

-L- STA. 13+00.00  
 BEGIN TIP PROJECT B-3876

-L- PT 11+85.62

-L- PC 14+41.84

-L- POT 19+31.56  
 -Y- POT 16+67.33

-L- PT 18+81.81

-L- 22+79.93  
 END BRIDGE

JACKIE A PLYER HEIRS  
 NO DEED REFERENCE  
 P.B. 14 PG. 70

NOTE: USE SHOULDER BERM GUTTER:  
 STA 20+65-L- TO STA 20+97-L- (RIGHT)  
 STA 23+12-L- TO STA 23+35-L- (RIGHT)  
 STA 20+92-L- TO STA 20+97-L- (LEFT)  
 STA 23+12-L- TO STA 23+35-L- (LEFT)

'PSH' DENOTE: PREFORMED SCOUR HOLE

CL B RIP RAP PAD  
 EST. 3 TONS  
 FIL FAB = 6 SQ. YD.

BEGIN APPR. SLAB

BEGIN BRIDGE

END APPR. SLAB

END BRIDGE

ETHEL J. DANIELS  
 D.B. 1239 PG. 711  
 P.B. 16 PG. 503

ETHEL J. DANIELS  
 D.B. 751 PG. 460

WILLIAM MICHAEL BRASWELL  
 D.B. 1258 PG. 374

GEORGE HUNTER COLLINS  
 D.B. 815 PG. 183

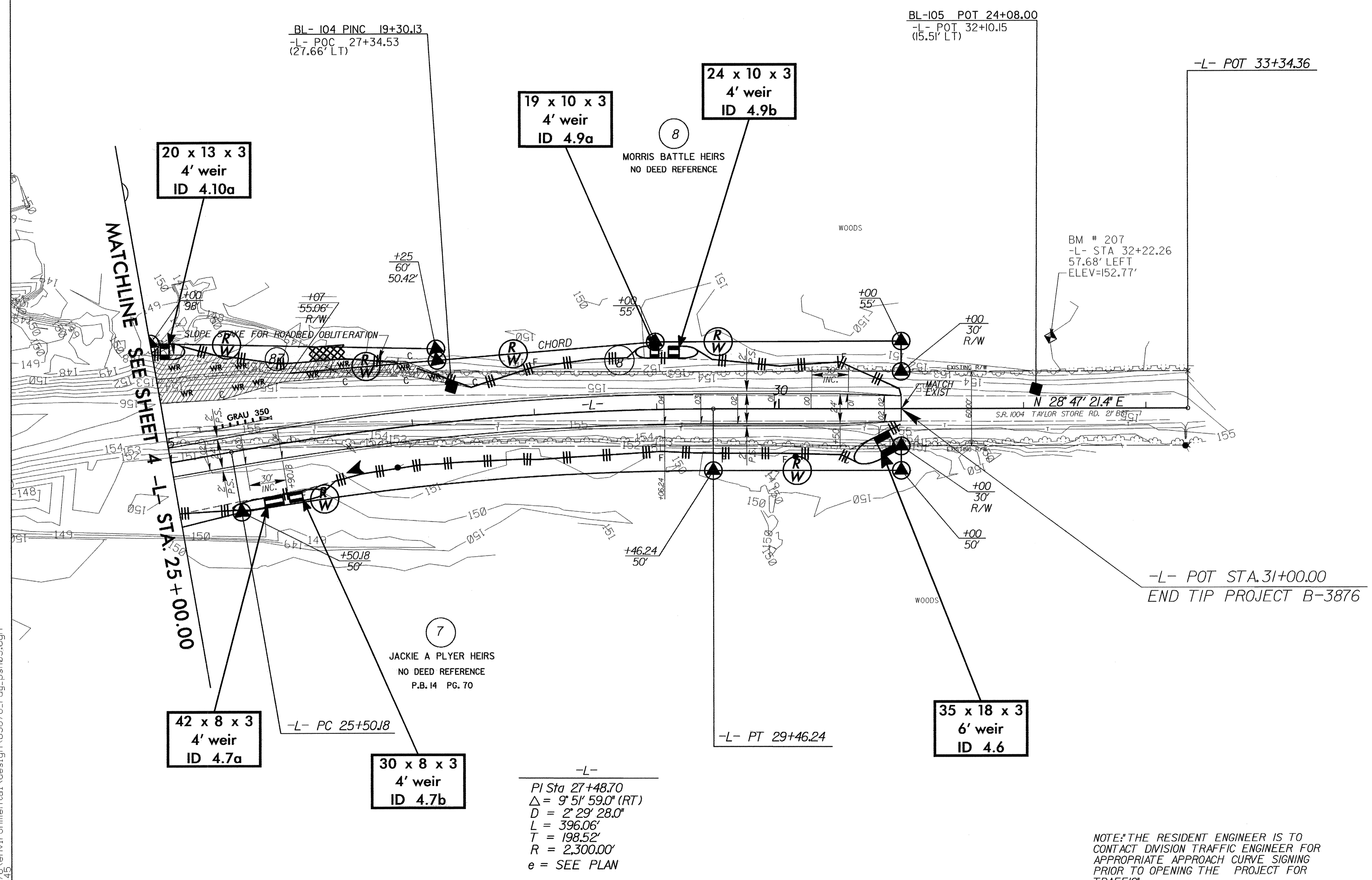
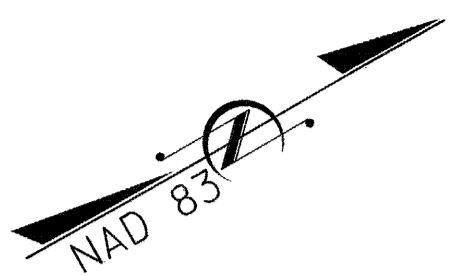
8/17/99

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:  
UTILIZE TEMPORARY ROCK SILT CHECK TYPE - A  
AS STILLING BASIN WHERE APPLICABLE.

PROJECT REFERENCE NO.	SHEET NO.
B-3876	EC-5/CONST.5
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

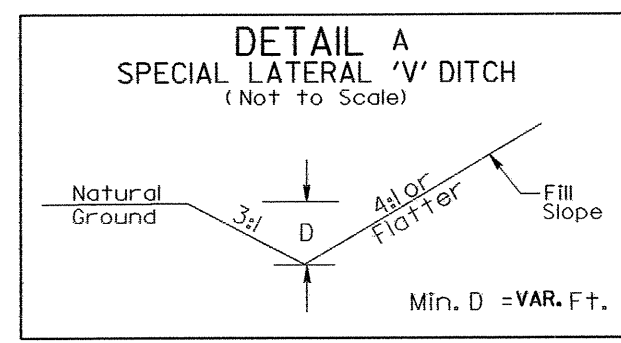


-L-  
 PI Sta 27+48.70  
 $\Delta = 9^\circ 5' 59.0'' (RT)$   
 $D = 2^\circ 29' 28.0''$   
 $L = 396.06'$   
 $T = 198.52'$   
 $R = 2,300.00'$   
 $e = \text{SEE PLAN}$

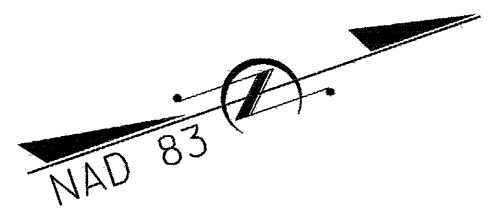
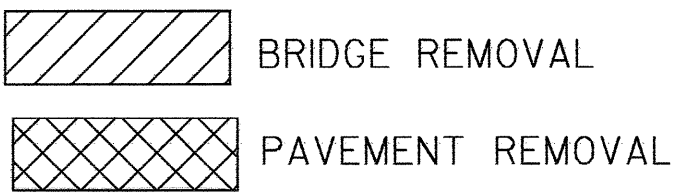
NOTE: THE RESIDENT ENGINEER IS TO  
CONTACT DIVISION TRAFFIC ENGINEER FOR  
APPROPRIATE APPROACH CURVE SIGNING  
PRIOR TO OPENING THE PROJECT FOR  
TRAFFIC

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PROJECT REFERENCE NO.		SHEET NO.	
B-3876		EC-6/CONST.4	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	



STA 14+00-L- TO STA 17+50-L- (RIGHT)



**NOTE:**  
UTILIZE TEMPORARY ROCK SILT CHECK TYPE - A AS STILLING BASIN WHERE APPLICABLE.

-L-  
PI Sta 11+08.97  
Δ = 3' 17" 31" (RT)  
D = 2' 08" 48.6"  
L = 153.34'  
T = 76.69'  
R = 2668.83'  
e = EXISTING

-L- POT 13+19.62  
(25.37' LT.)

**NOTE:** USE 5.0% O/S FOR 3-CENTERED CURVE (120'-40'-120')

GUY W. & BEVERLY VICK  
D.B. 877 PG. 305  
P.B. 9 PG. 57

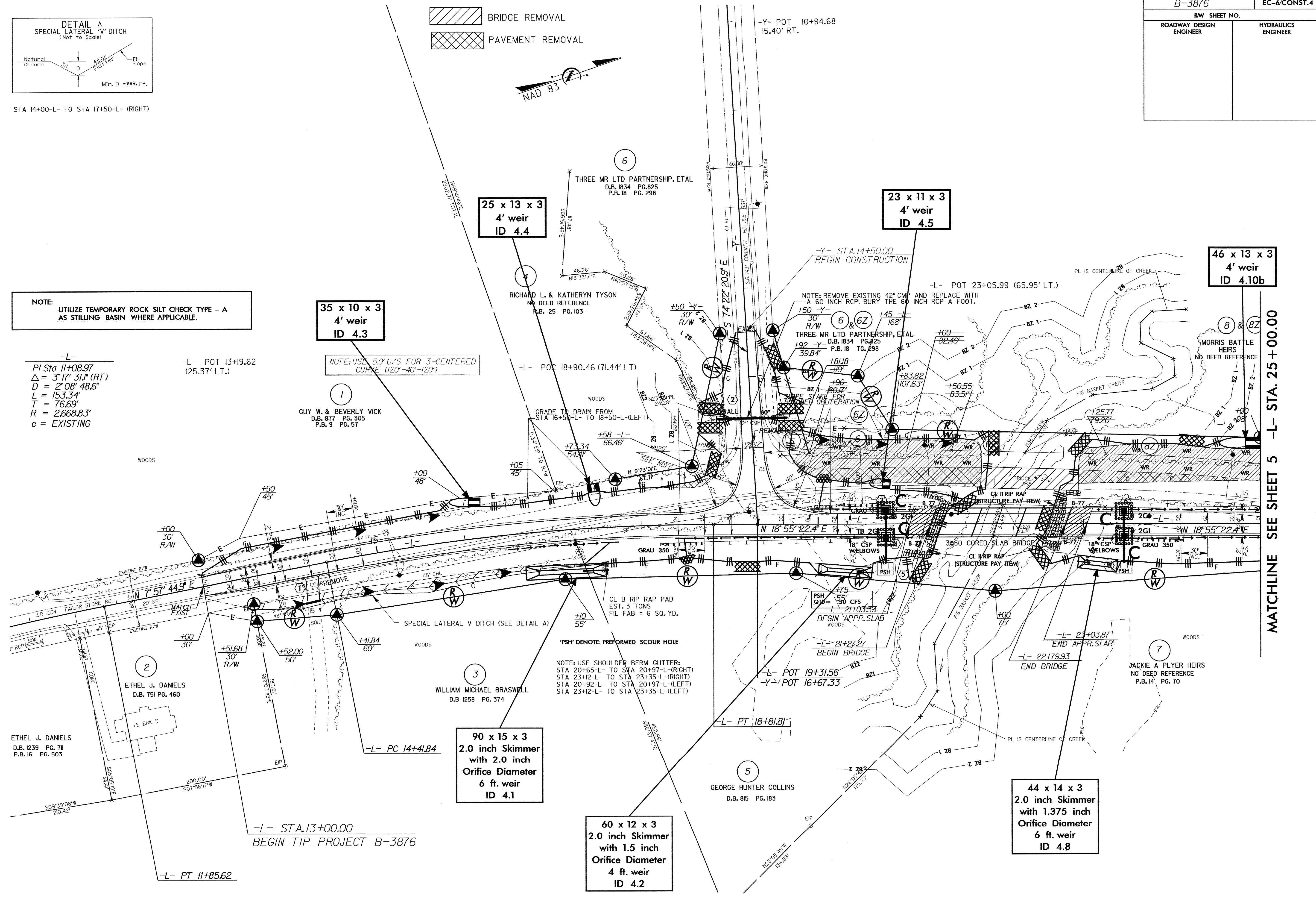
-L- POT 18+90.46 (71.44' LT)

GRADE TO DRAIN FROM STA 16+50-L- TO 18+50-L- (LEFT)

**NOTE:** REMOVE EXISTING 42" CMP AND REPLACE WITH A 60 INCH RCP. BURY THE 60 INCH RCP A FOOT.

-L- POT 23+05.99 (65.95' LT.)

MORRIS BATTLE HEIRS  
NO DEED REFERENCE



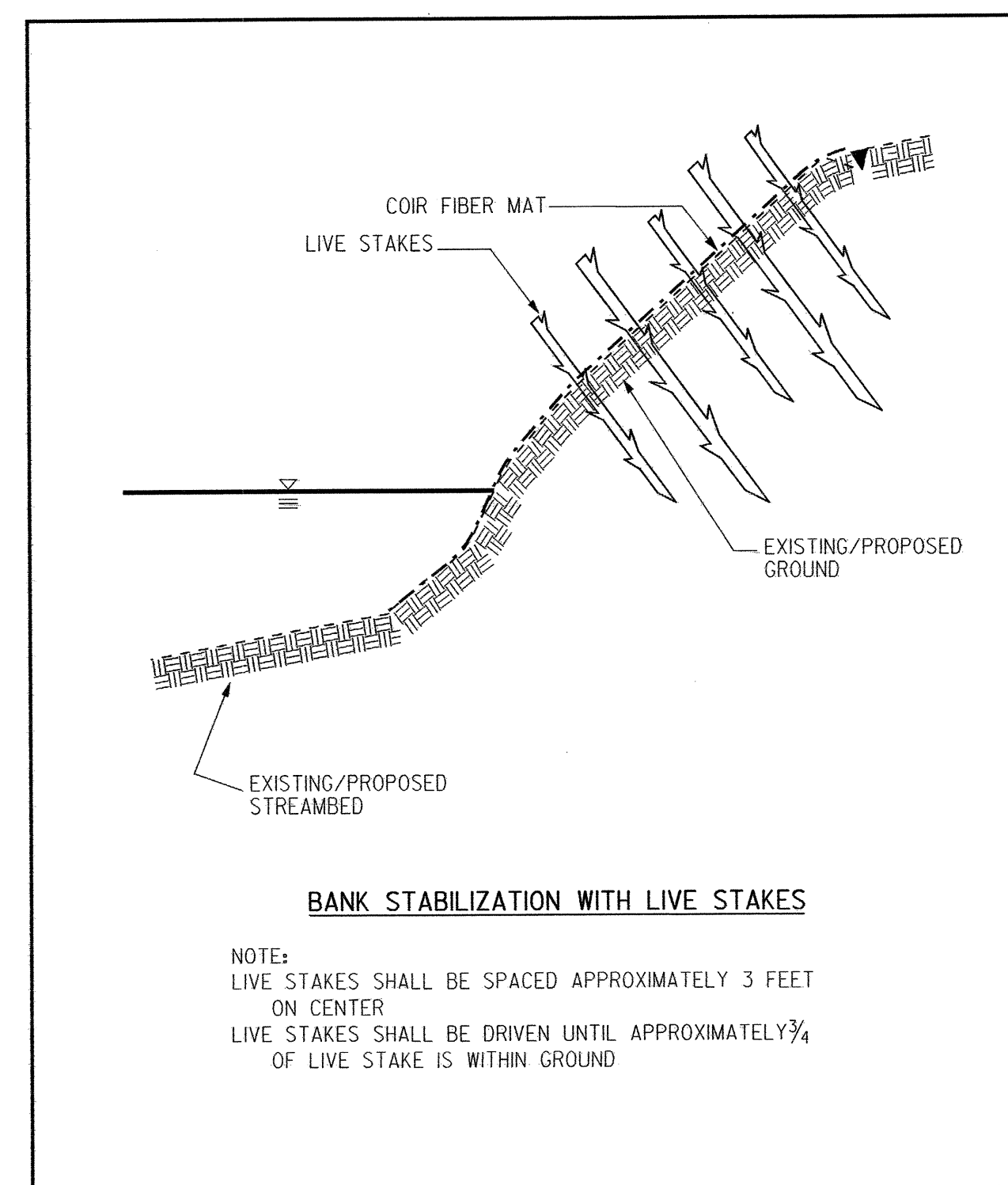
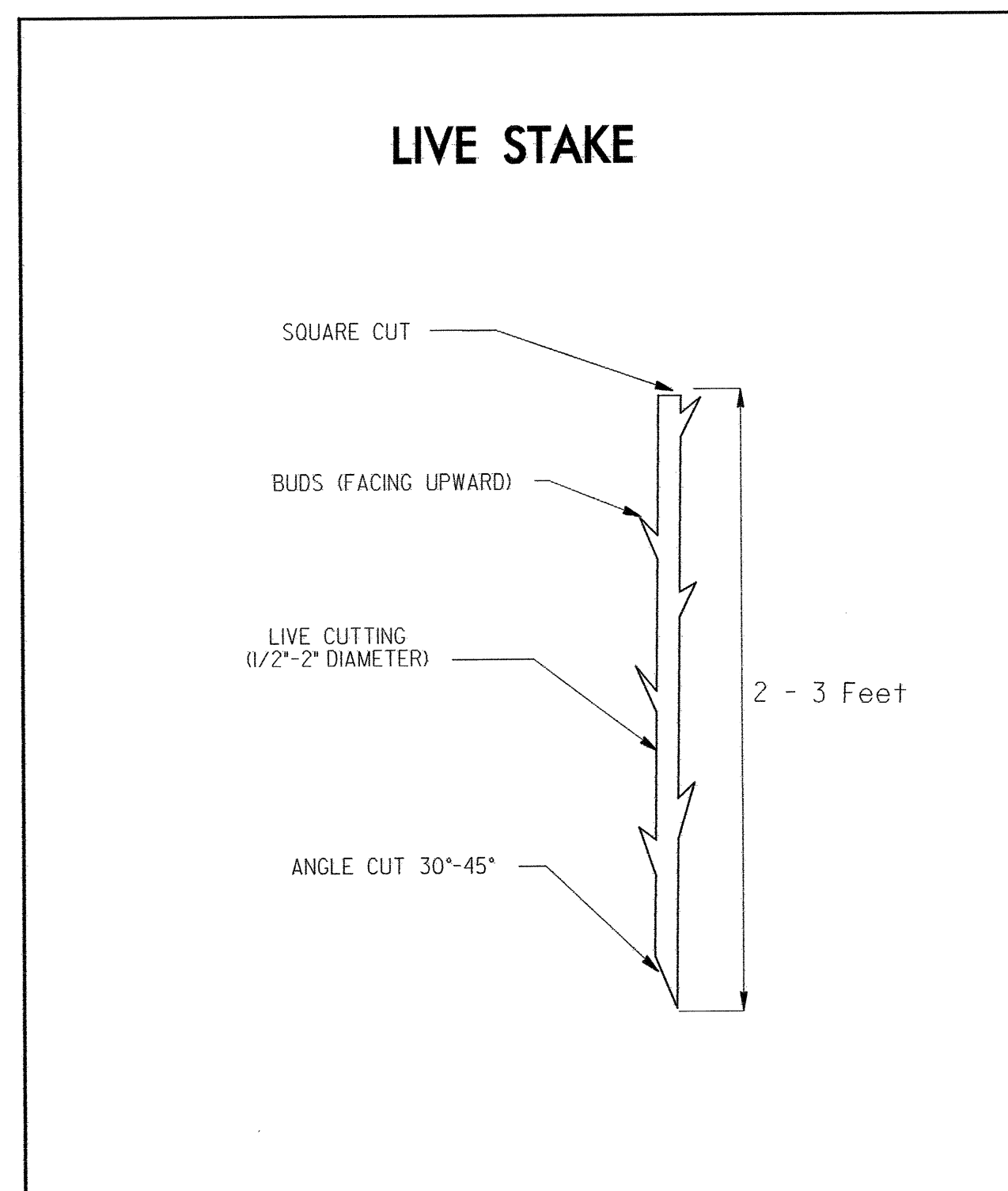
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 Author: AT REN221445



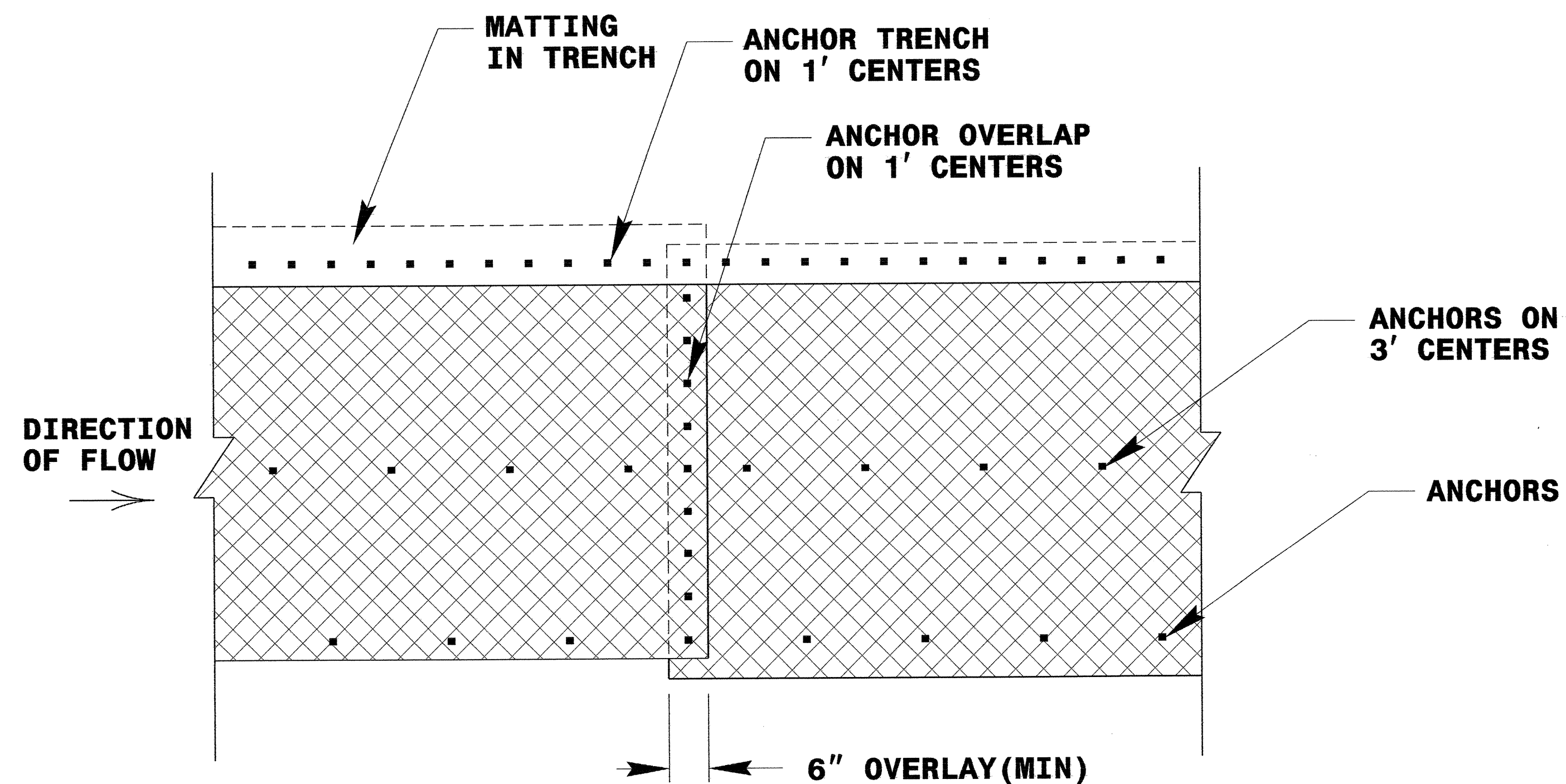


PROJECT REFERENCE NO. B-3876	SHEET NO. EC-8
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

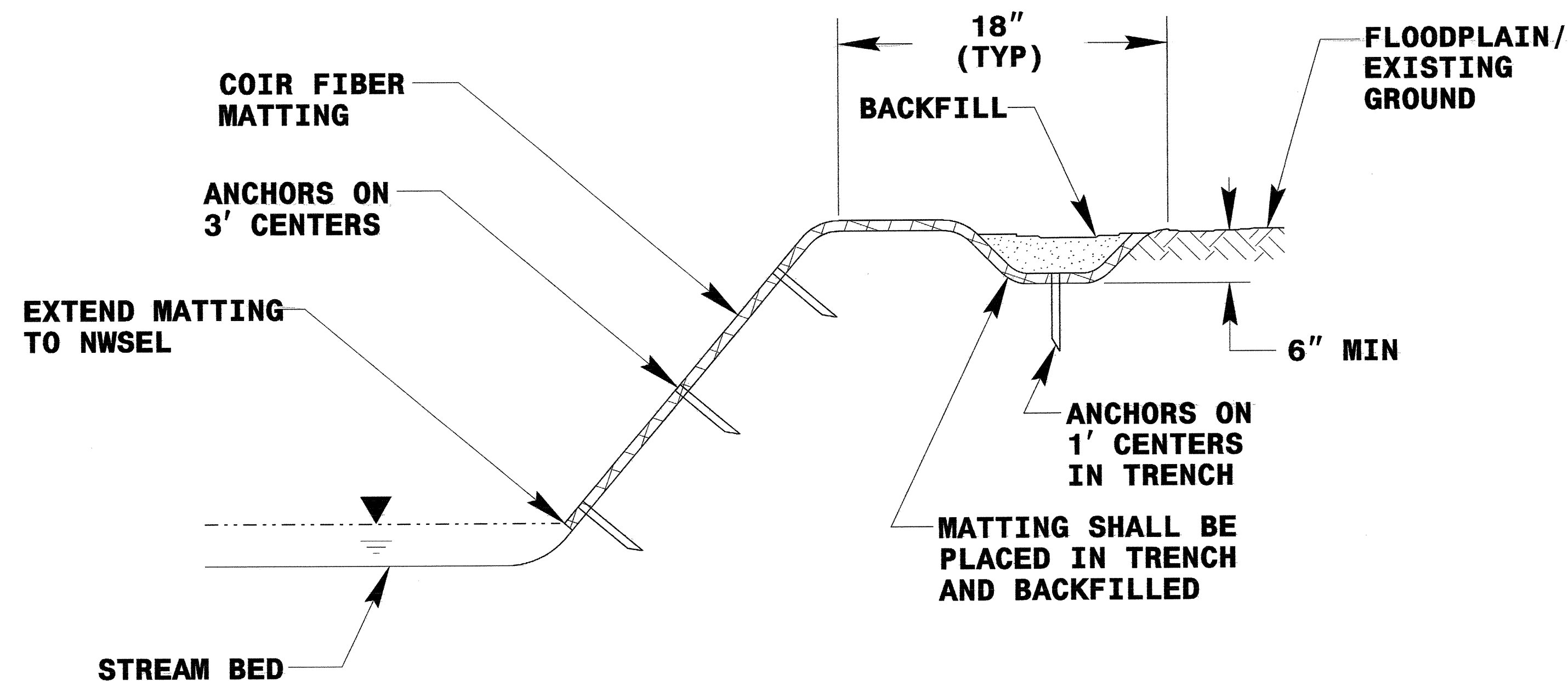
# LIVE STAKES PLANTING DETAILS



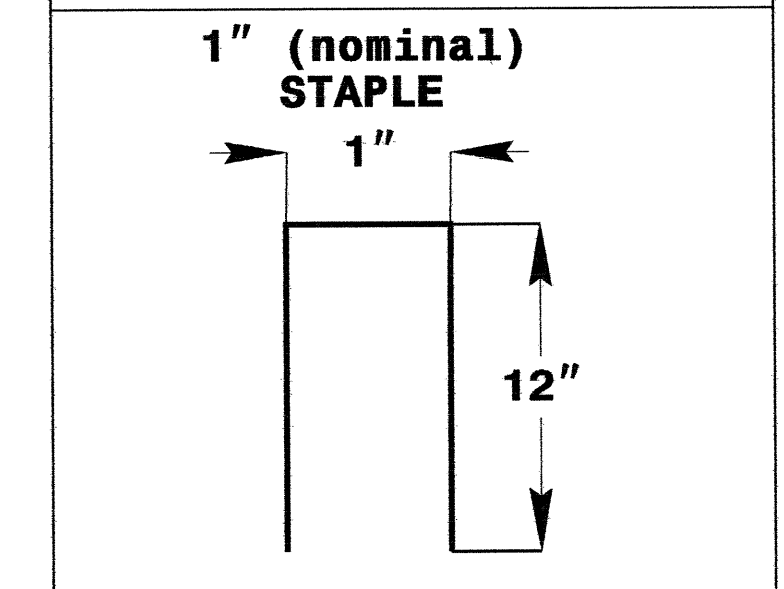
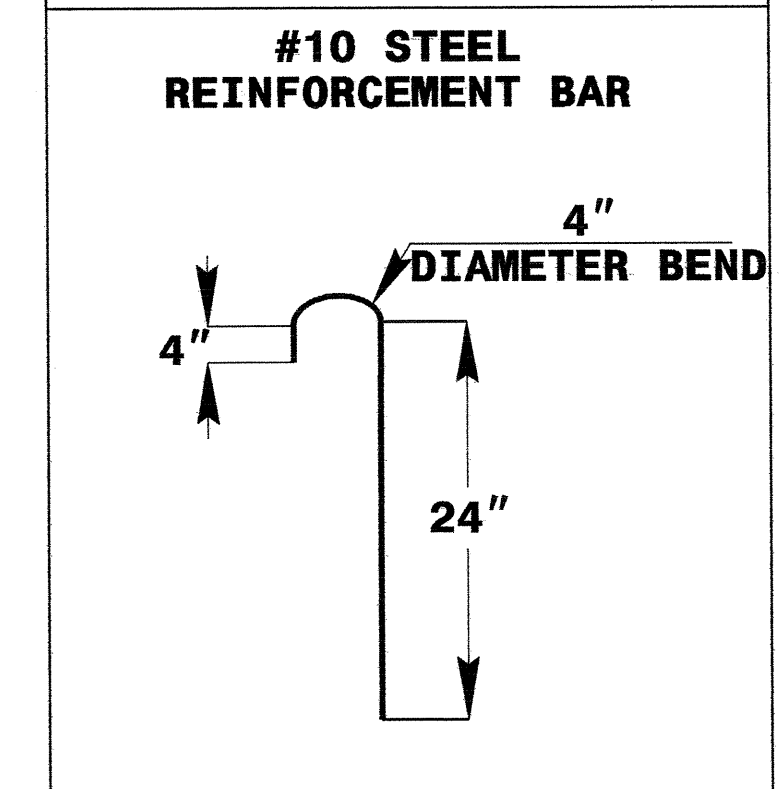
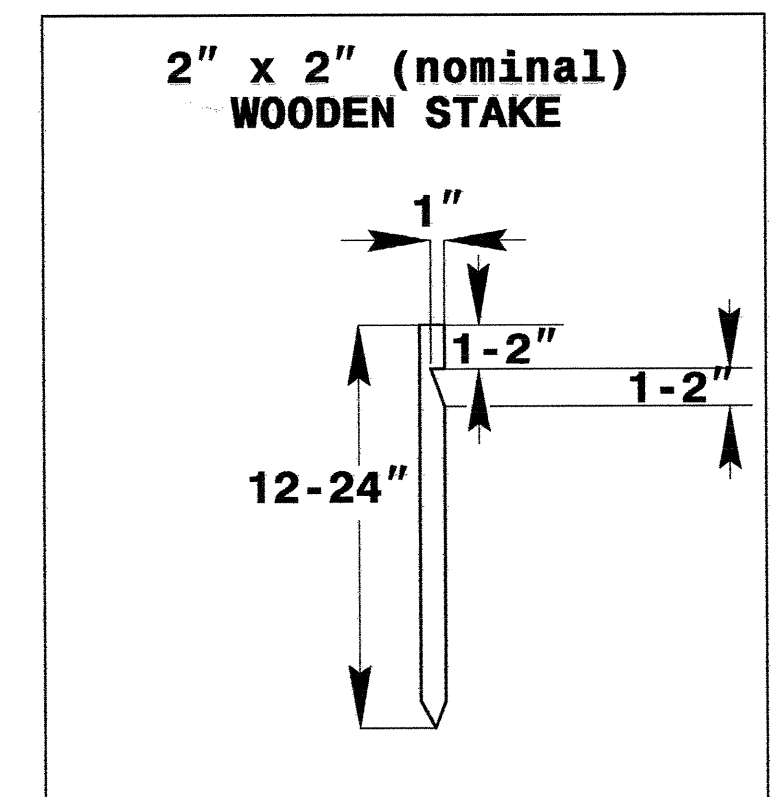
# COIR FIBER MATTING DETAIL



**PLAN VIEW**



**TYPICAL CROSS SECTION**

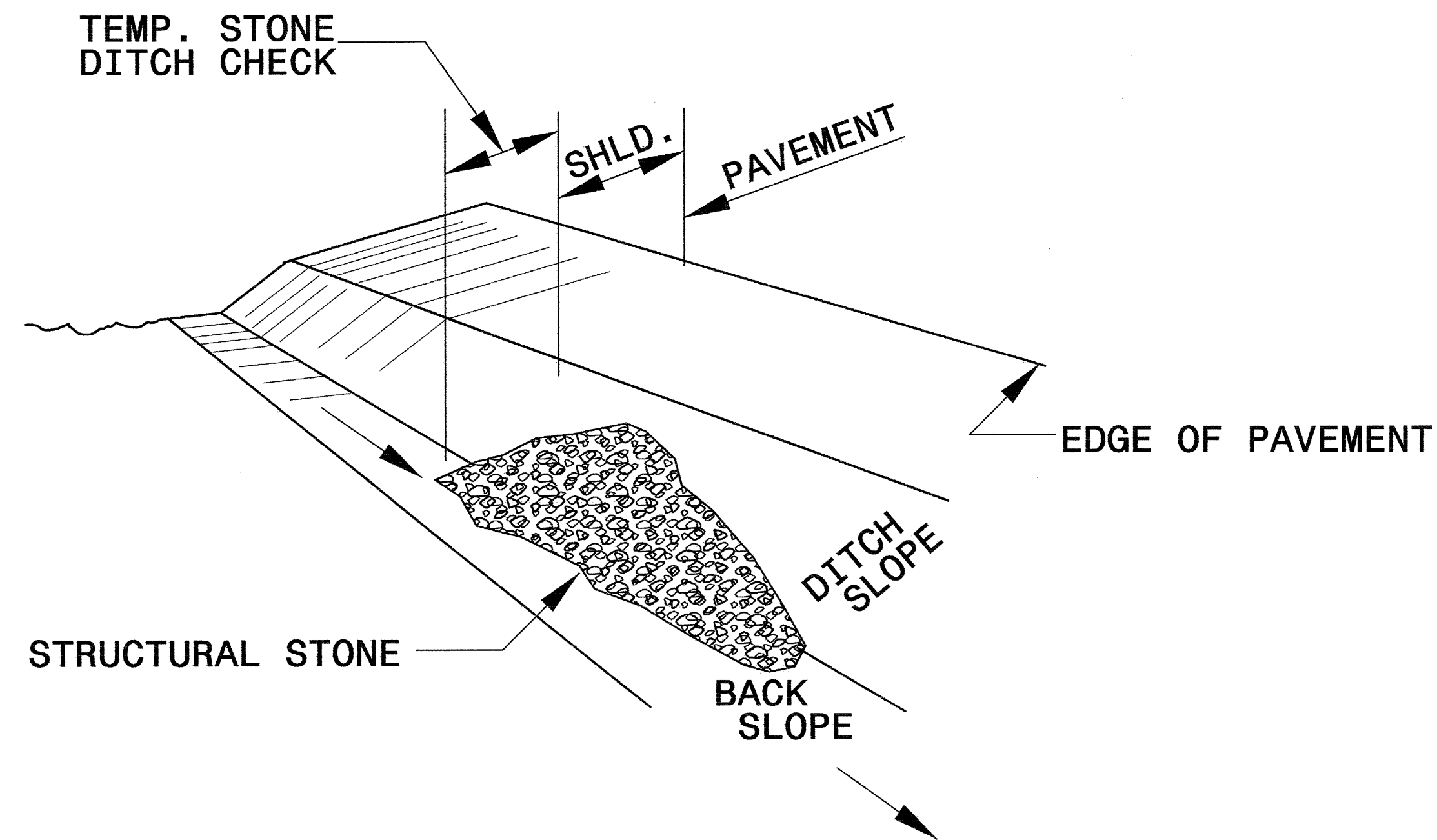


**ANCHOR OPTIONS**

**LIVE STAKING  
DETAIL SHEET**  
N.C.D.O.T. - ROADSIDE ENVIRONMENTAL UNIT

PROJECT REFERENCE NO. B-3876	SHEET NO. EC-2
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

# TEMPORARY ROCK SILT CHECK TYPE 'B' DETAIL

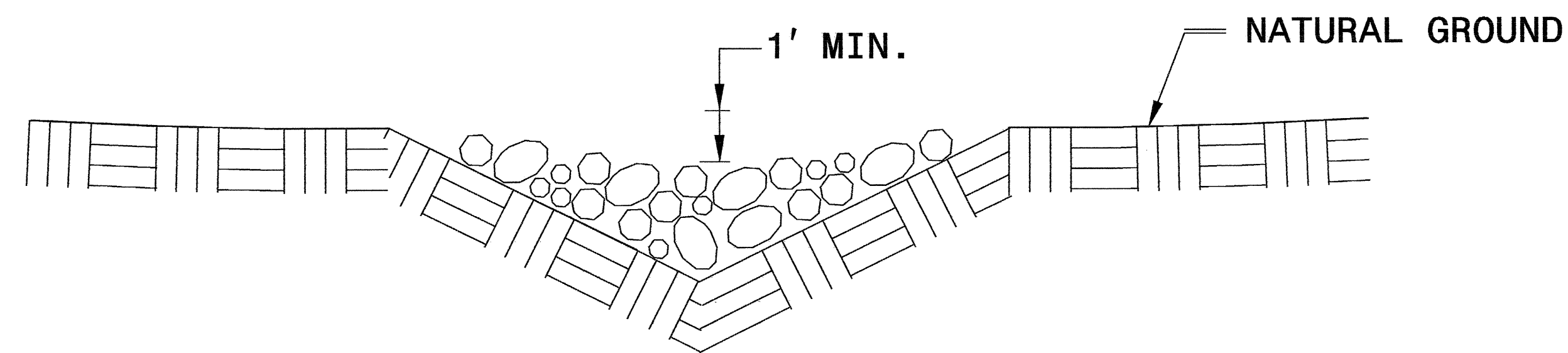


**ISOMETRIC VIEW**

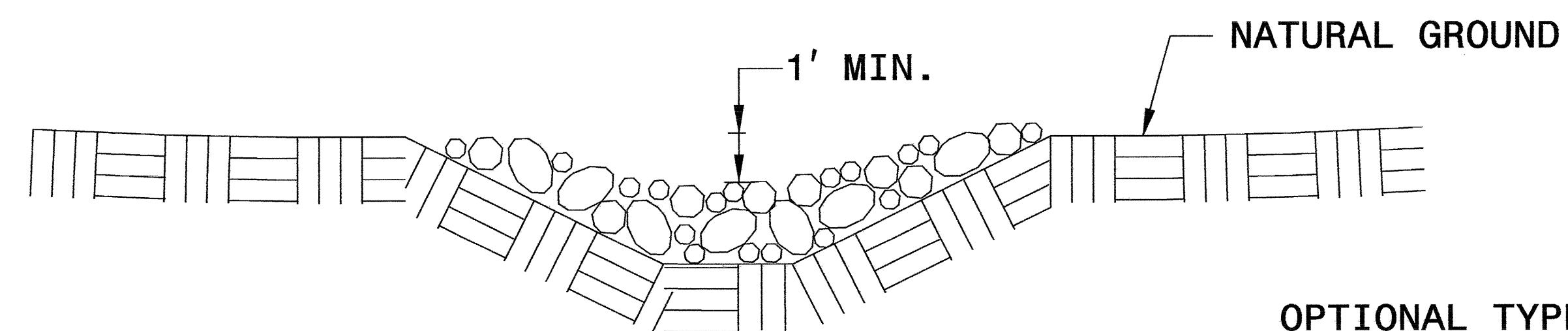
**NOTES:**

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

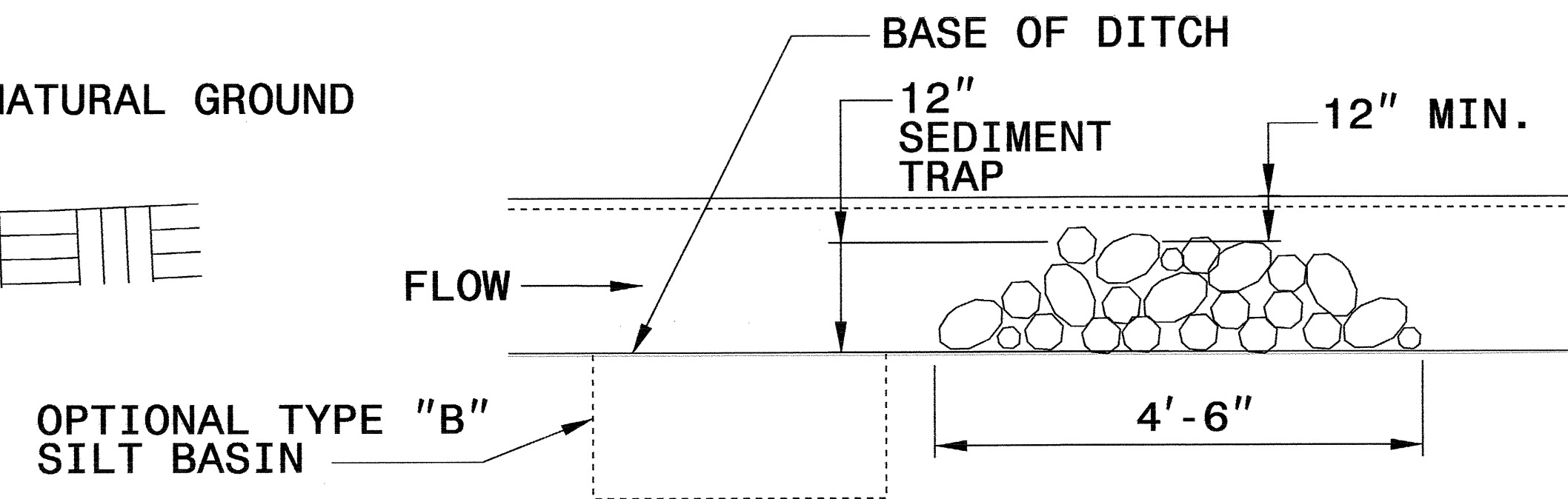
THE ENGINEER MAY DIRECT THE OPTION OF CLASS "A" STONE FOR SITES HAVING LESS THAN ONE (1) ACRE DRAINAGE AREA AND A DITCH GRADE LESS THAN 3%.



**CROSS SECTION VEE DITCH**



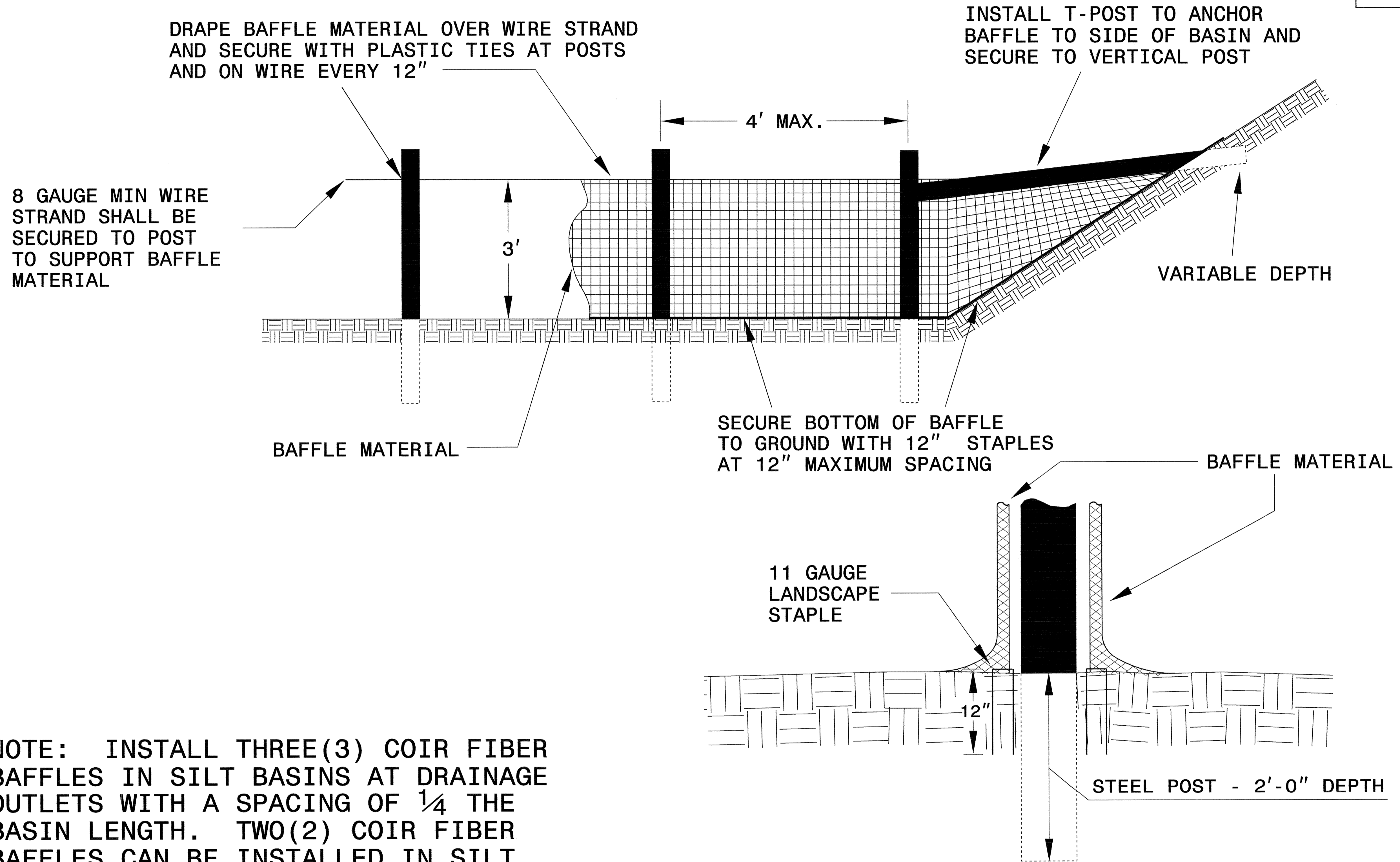
**CROSS SECTION TRAPEZOIDAL DITCH**



**ELEVATION VIEW**

PROJECT REFERENCE NO. B-3876	SHEET NO. EC-2A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

# COIR FIBER BAFFLE DETAIL

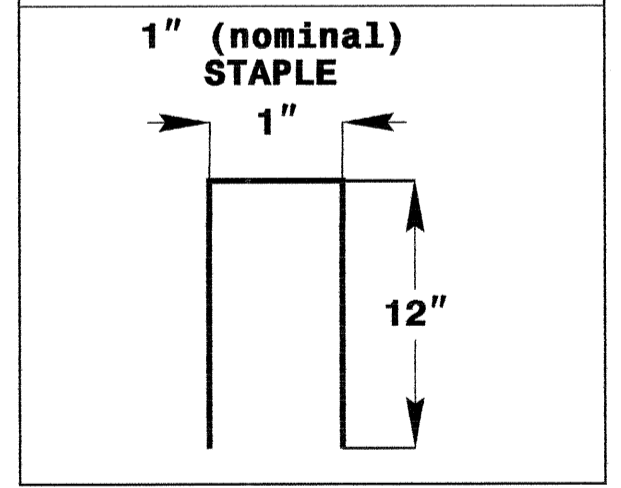
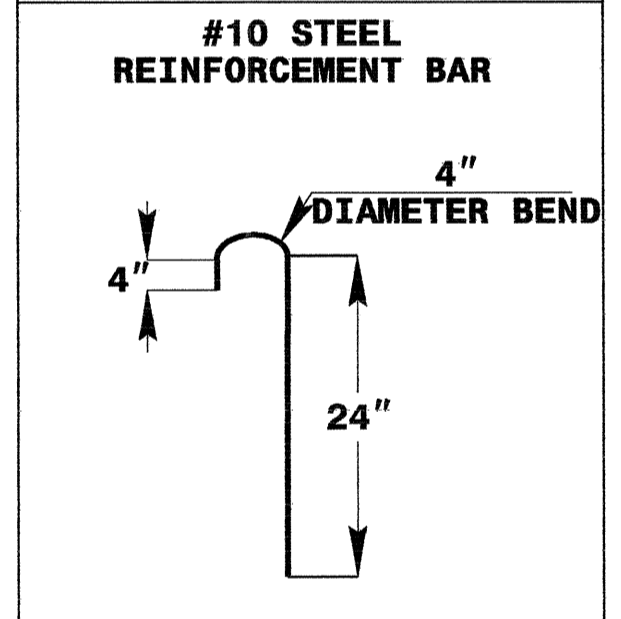
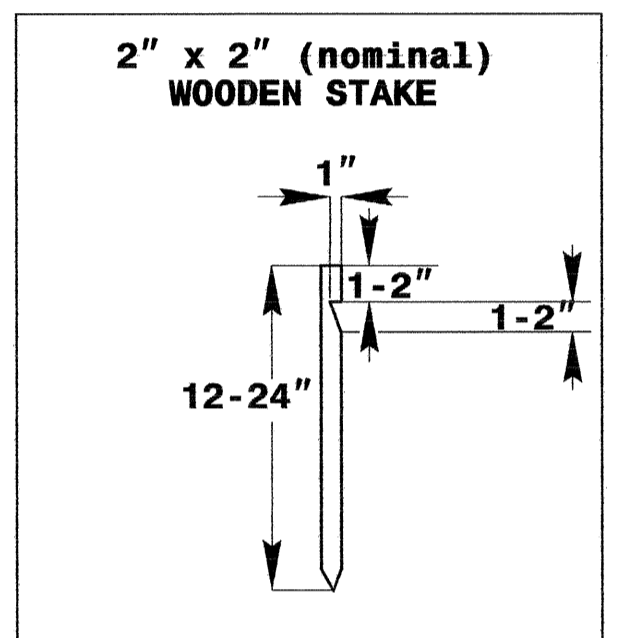
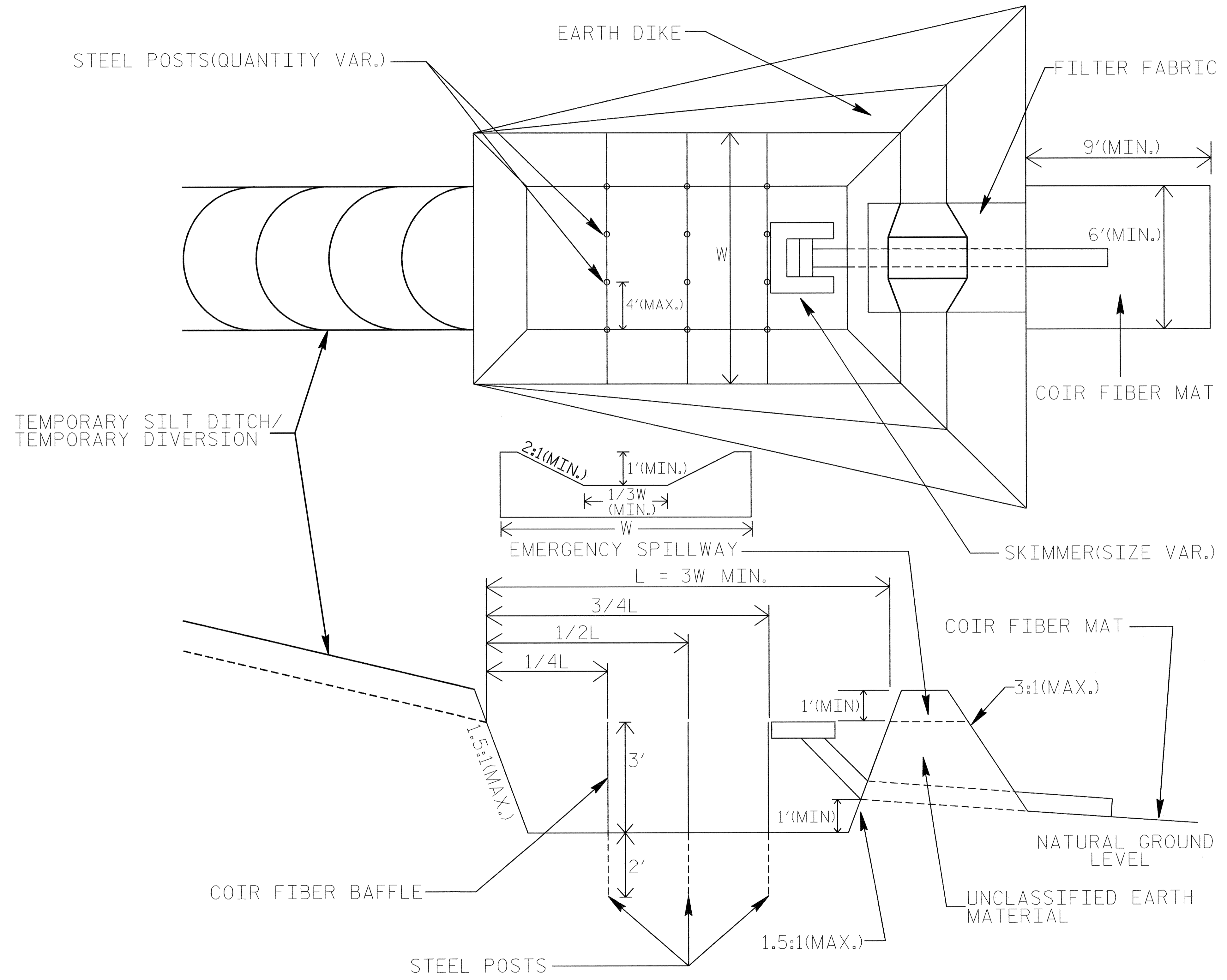


NOTE: INSTALL THREE (3) COIR FIBER BAFFLES IN SILT BASINS AT DRAINAGE OUTLETS WITH A SPACING OF  $\frac{1}{4}$  THE BASIN LENGTH. TWO (2) COIR FIBER BAFFLES CAN BE INSTALLED IN SILT BASINS LESS THAN 20 FT. IN LENGTH WITH A SPACING OF  $\frac{1}{3}$  THE BASIN LENGTH.

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

# SKIMMER BASIN WITH BAFFLES DETAIL

PROJECT REFERENCE NO. B-3876	SHEET NO. EC-2B
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

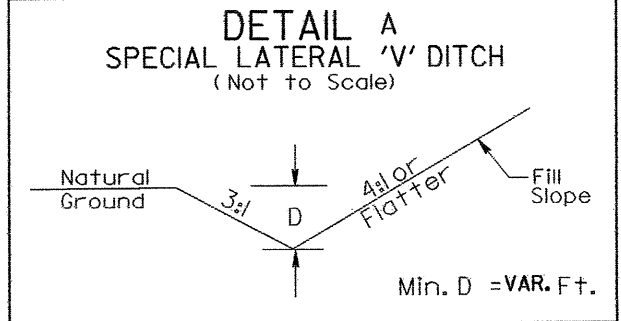


**COIR FIBER MAT ANCHOR OPTIONS**



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 Author: AL BENNETT

PROJECT REFERENCE NO.		SHEET NO.	
B-3876		EC-4/CONST.4	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	



STA 14+00-L- TO STA 17+50-L- (RIGHT)

CLEARING AND GRUBBING  
 EROSION CONTROL FOR  
 CONSTRUCTION SHEET 4

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

ENVIRONMENTALLY SENSITIVE AREA  
 SEE PROJECT SPECIAL PROVISIONS

NOTE:  
 UTILIZE TEMPORARY ROCK SILT CHECK TYPE - A  
 AS STILLING BASIN WHERE APPLICABLE.

-L-  
 P/ Sta 11+08.97  
 $\Delta = 3' 17' 31.1''$  (RT)  
 $D = 2' 08' 48.6''$   
 $L = 153.34'$   
 $T = 76.69'$   
 $R = 2,668.83'$   
 e = EXISTING

-L- POT 13+19.62  
 (25.37' LT.)

**35 x 10 x 3  
 4' weir  
 ID 4.3**

NOTE: USE 5.0' O/S FOR 3-CENTERED  
 CURVE (120'-40'-120')

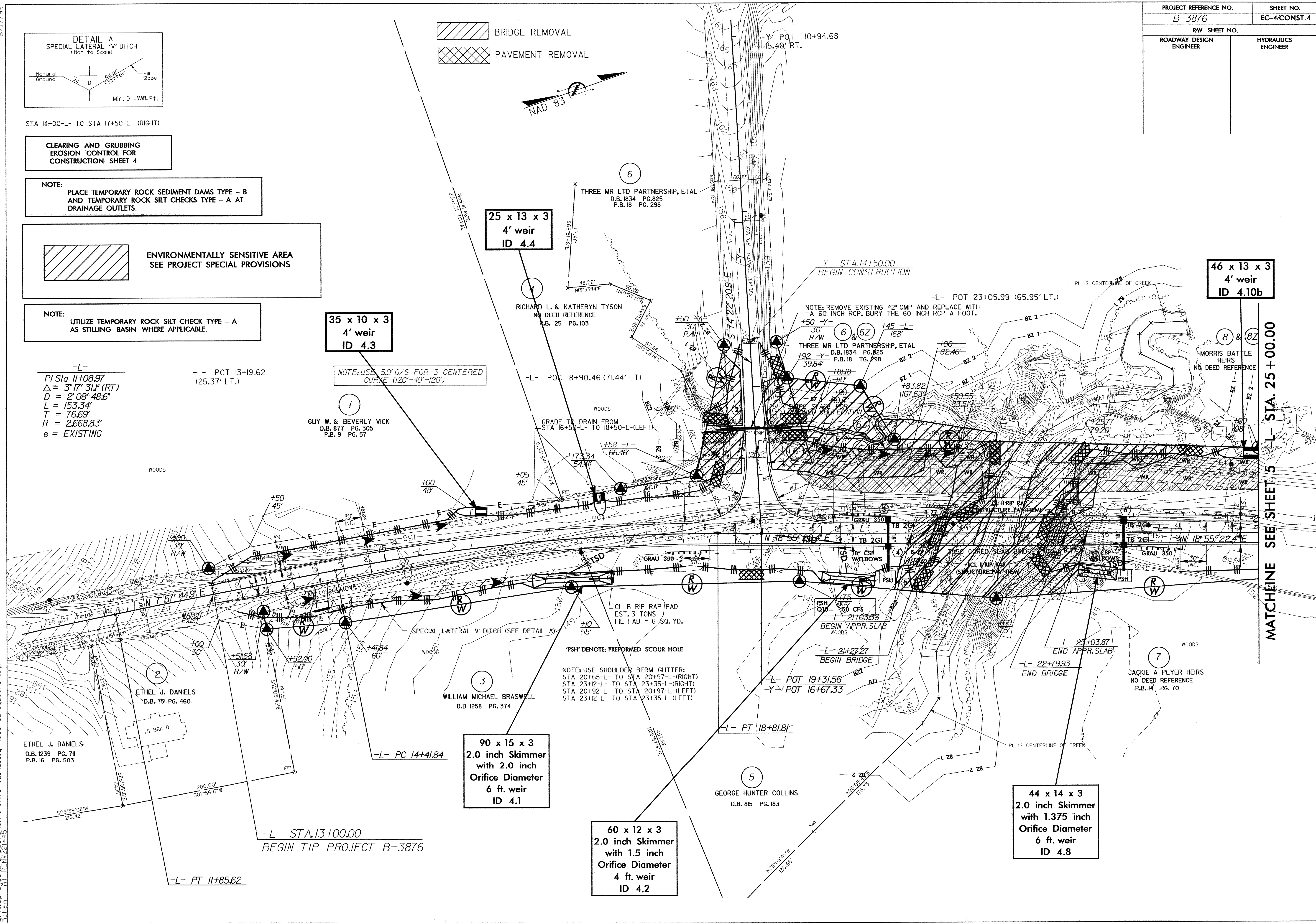
**25 x 13 x 3  
 4' weir  
 ID 4.4**

**90 x 15 x 3  
 2.0 inch Skimmer  
 with 2.0 inch  
 Orifice Diameter  
 6 ft. weir  
 ID 4.1**

**60 x 12 x 3  
 2.0 inch Skimmer  
 with 1.5 inch  
 Orifice Diameter  
 4 ft. weir  
 ID 4.2**

**44 x 14 x 3  
 2.0 inch Skimmer  
 with 1.375 inch  
 Orifice Diameter  
 6 ft. weir  
 ID 4.8**

**46 x 13 x 3  
 4' weir  
 ID 4.10b**



MATCHLINE SEE SHEET 5 -L- STA. 25 + 00.00

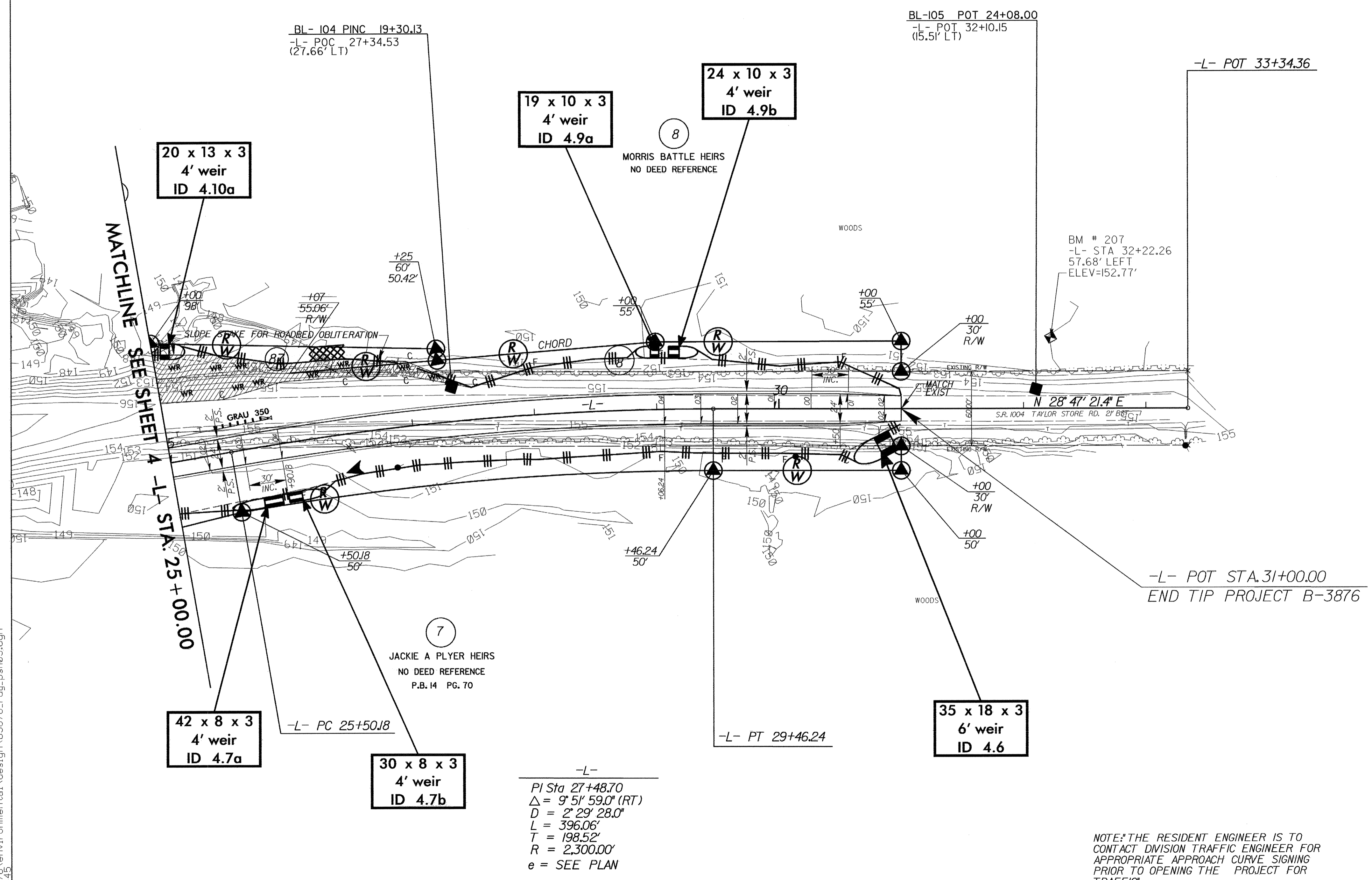
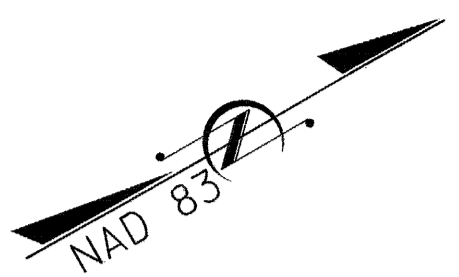
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CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 5

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

NOTE:  
UTILIZE TEMPORARY ROCK SILT CHECK TYPE - A  
AS STILLING BASIN WHERE APPLICABLE.

PROJECT REFERENCE NO. B-3876	SHEET NO. EC-5/CONST.5
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

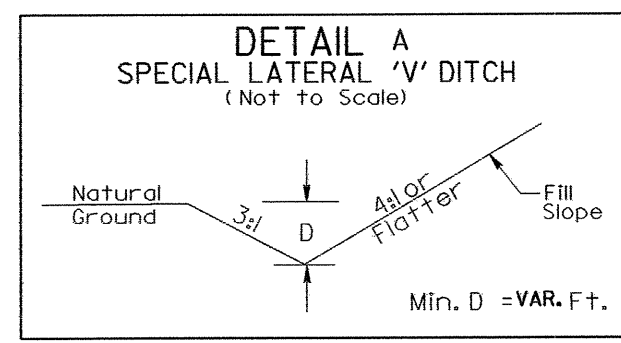


NOTE: THE RESIDENT ENGINEER IS TO CONTACT DIVISION TRAFFIC ENGINEER FOR APPROPRIATE APPROACH CURVE SIGNING PRIOR TO OPENING THE PROJECT FOR TRAFFIC.

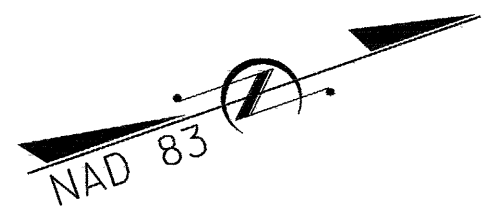
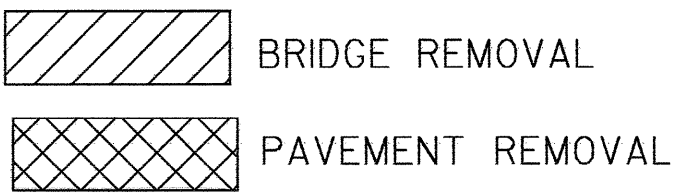
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tchan AT REV 221445



PROJECT REFERENCE NO.		SHEET NO.	
B-3876		EC-6/CONST.4	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	



STA 14+00-L- TO STA 17+50-L- (RIGHT)



**NOTE:**  
UTILIZE TEMPORARY ROCK SILT CHECK TYPE - A AS STILLING BASIN WHERE APPLICABLE.

-L-  
PI Sta 11+08.97  
Δ = 3' 17" 31" (RT)  
D = 2' 08" 48.6"  
L = 153.34'  
T = 76.69'  
R = 2668.83'  
e = EXISTING

-L- POT 13+19.62  
(25.37' LT.)

**NOTE:** USE 5.0% O/S FOR 3-CENTERED CURVE (120'-40'-120')

**35 x 10 x 3  
4' weir  
ID 4.3**

**25 x 13 x 3  
4' weir  
ID 4.4**

**23 x 11 x 3  
4' weir  
ID 4.5**

**46 x 13 x 3  
4' weir  
ID 4.10b**

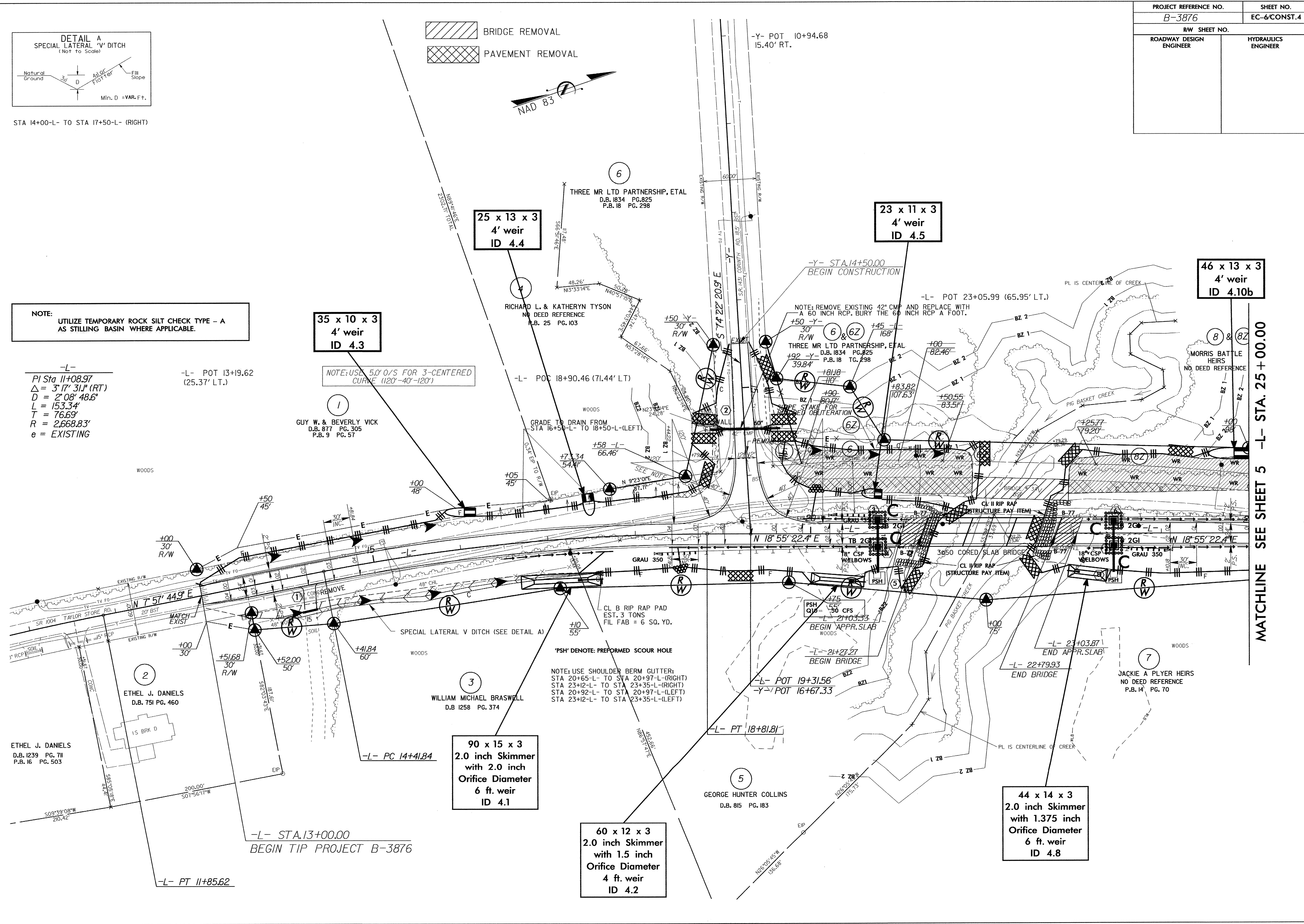
**90 x 15 x 3  
2.0 inch Skimmer  
with 2.0 inch  
Orifice Diameter  
6 ft. weir  
ID 4.1**

**60 x 12 x 3  
2.0 inch Skimmer  
with 1.5 inch  
Orifice Diameter  
4 ft. weir  
ID 4.2**

**44 x 14 x 3  
2.0 inch Skimmer  
with 1.375 inch  
Orifice Diameter  
6 ft. weir  
ID 4.8**

MATCHLINE SEE SHEET 5 -L- STA. 25+00.00

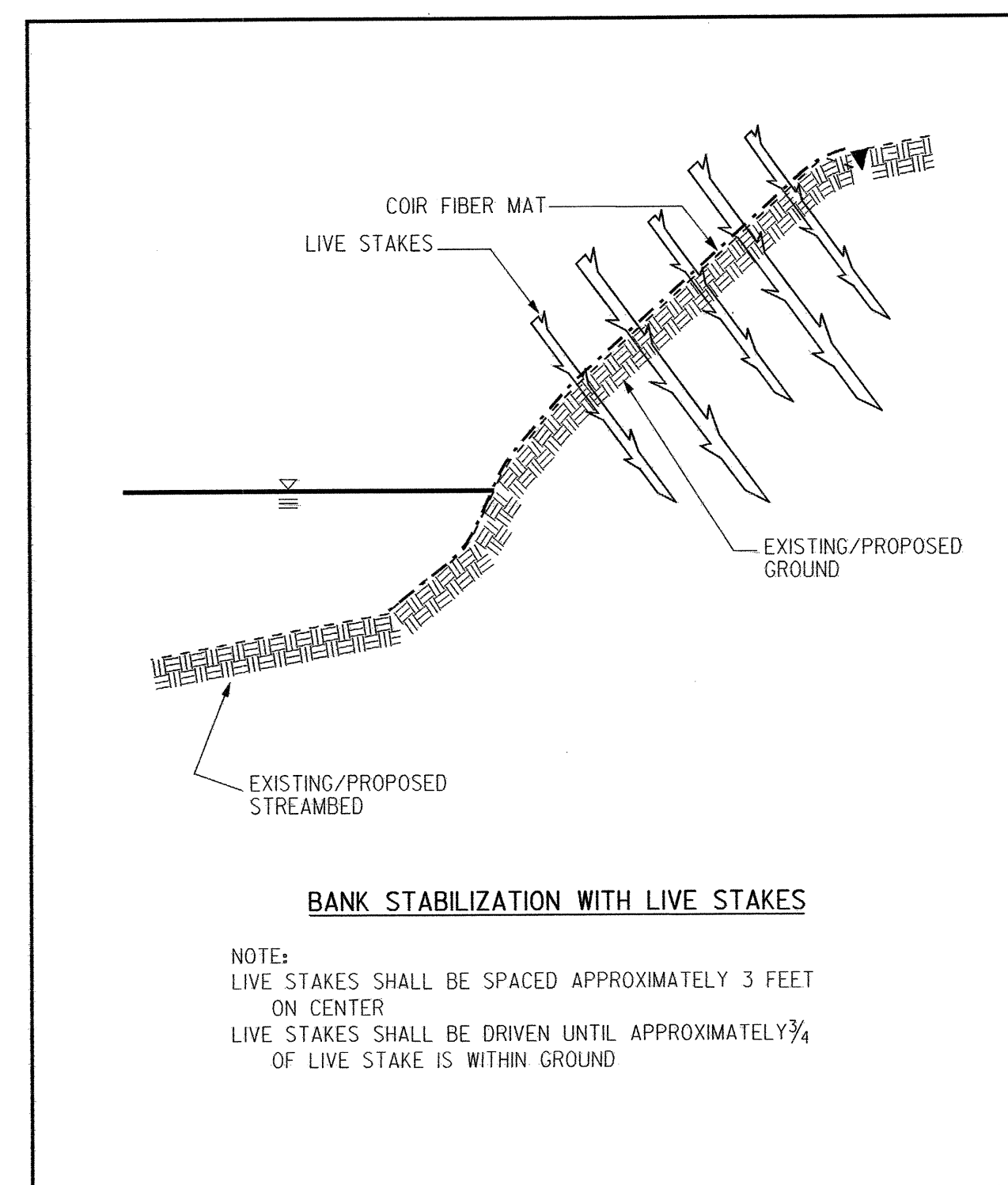
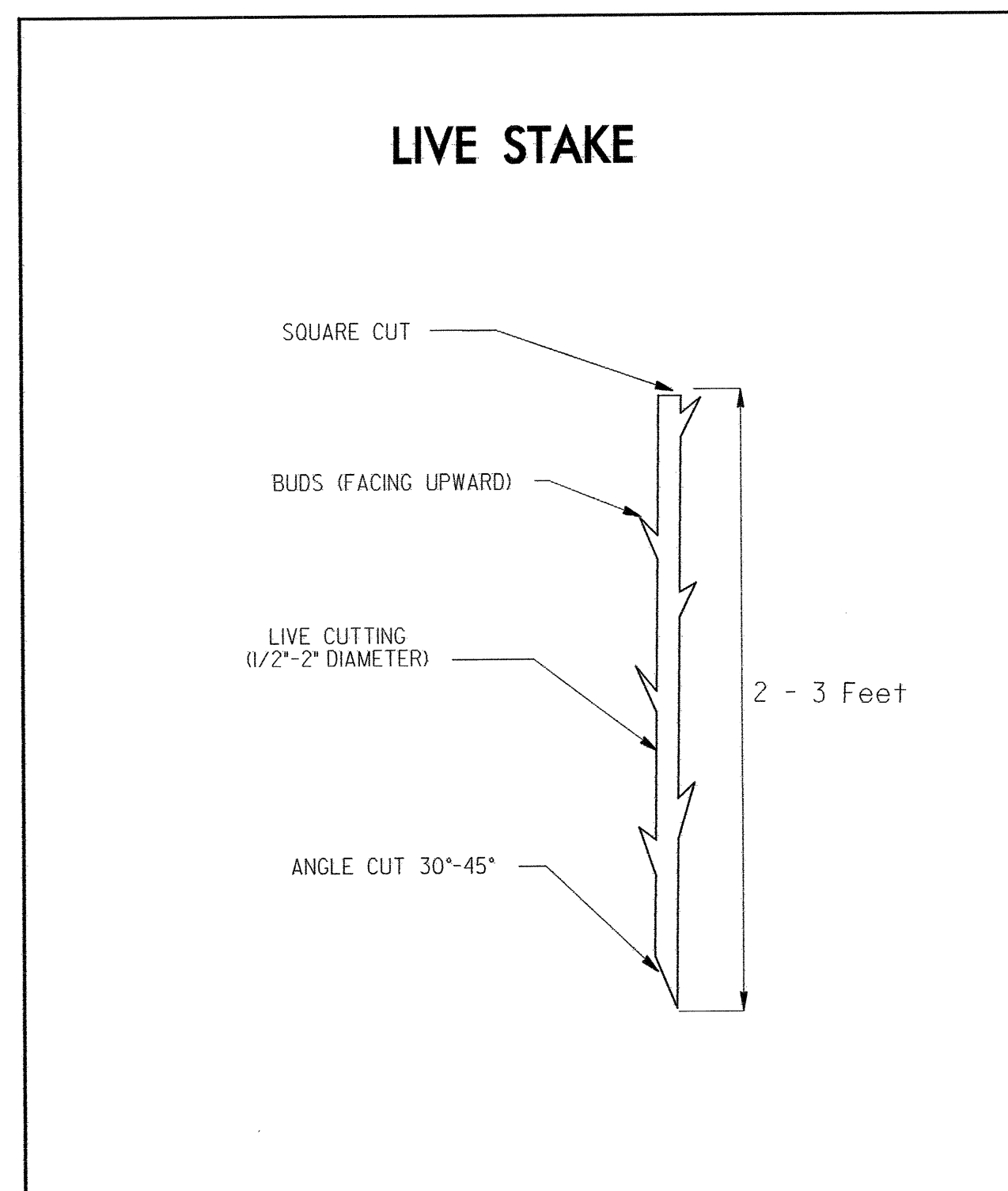
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Richard A. RENV221445



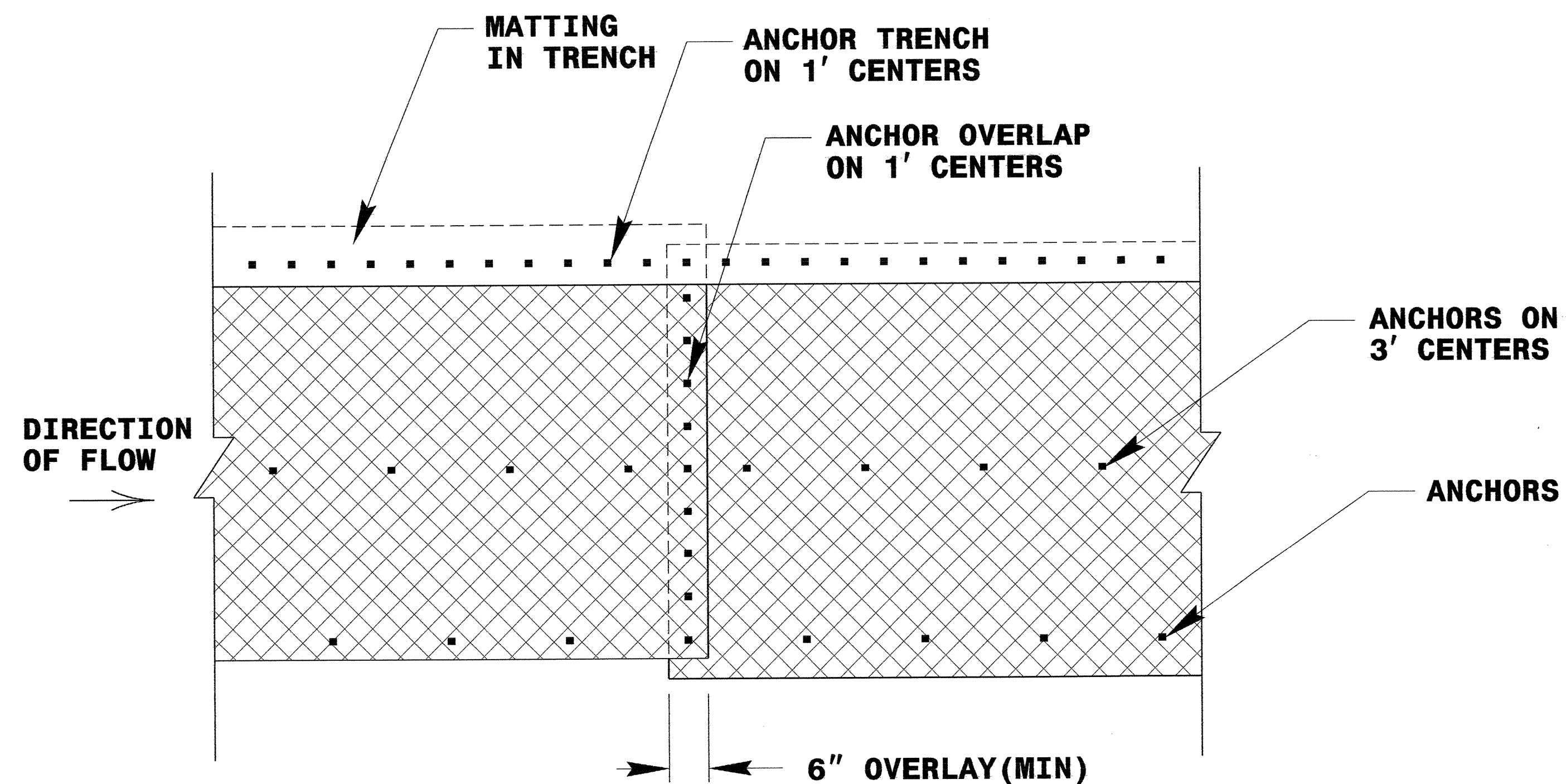


PROJECT REFERENCE NO. B-3876	SHEET NO. EC-8
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

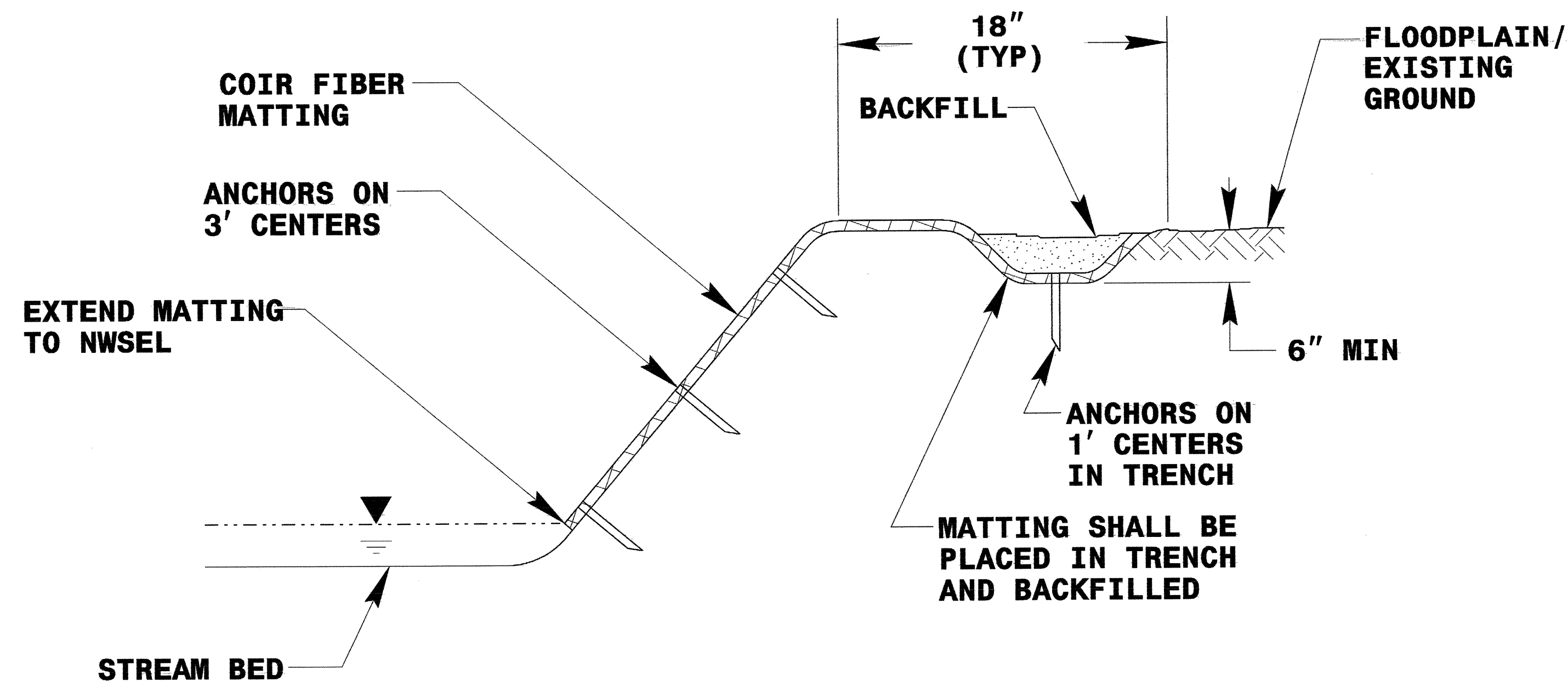
# LIVE STAKES PLANTING DETAILS



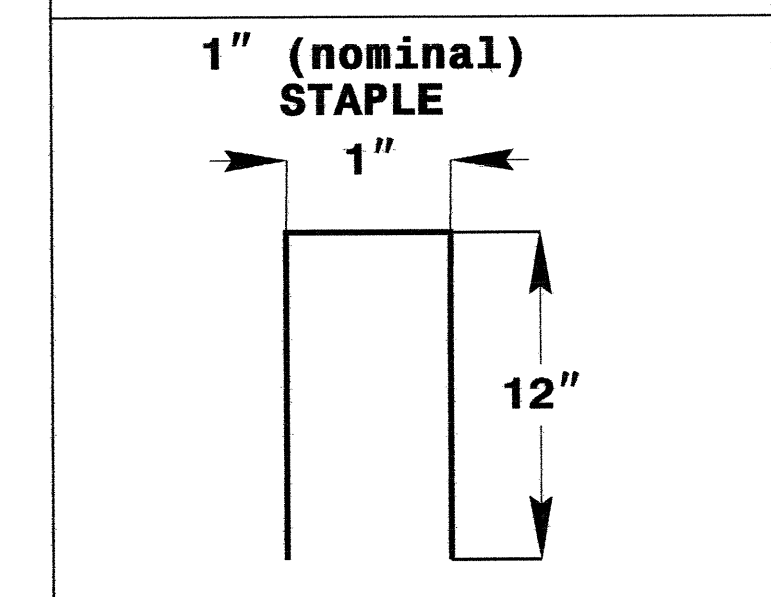
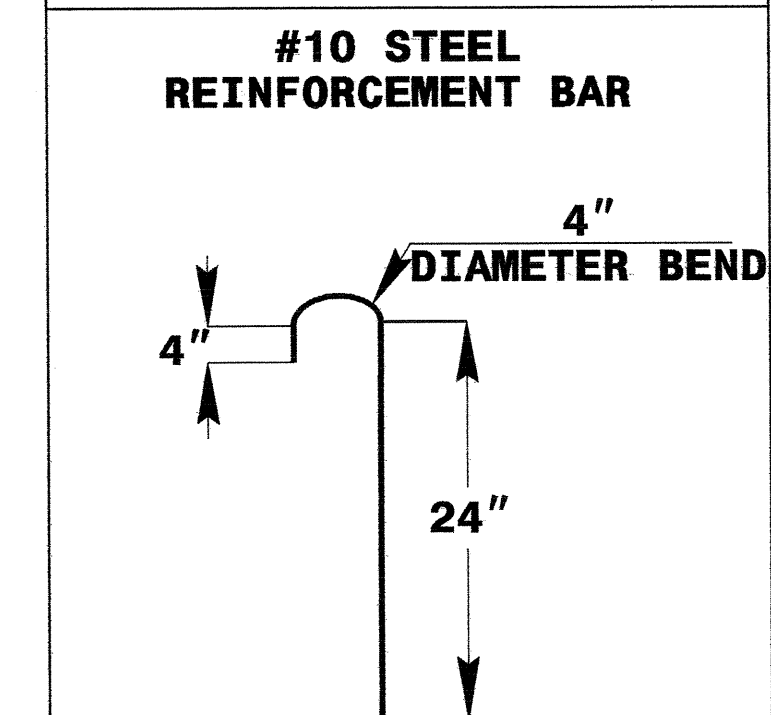
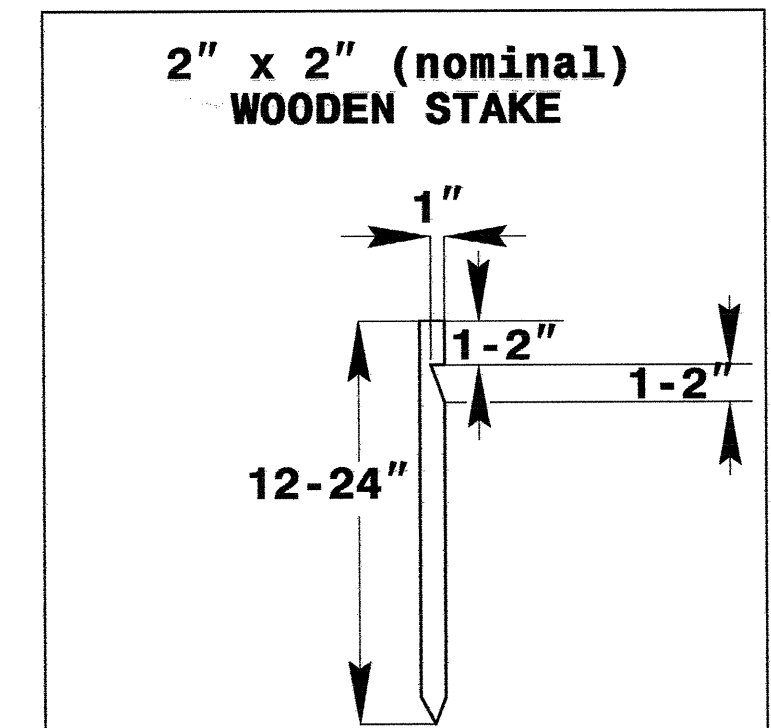
# COIR FIBER MATTING DETAIL



**PLAN VIEW**



**TYPICAL CROSS SECTION**



**ANCHOR OPTIONS**

**LIVE STAKING  
DETAIL SHEET**  
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