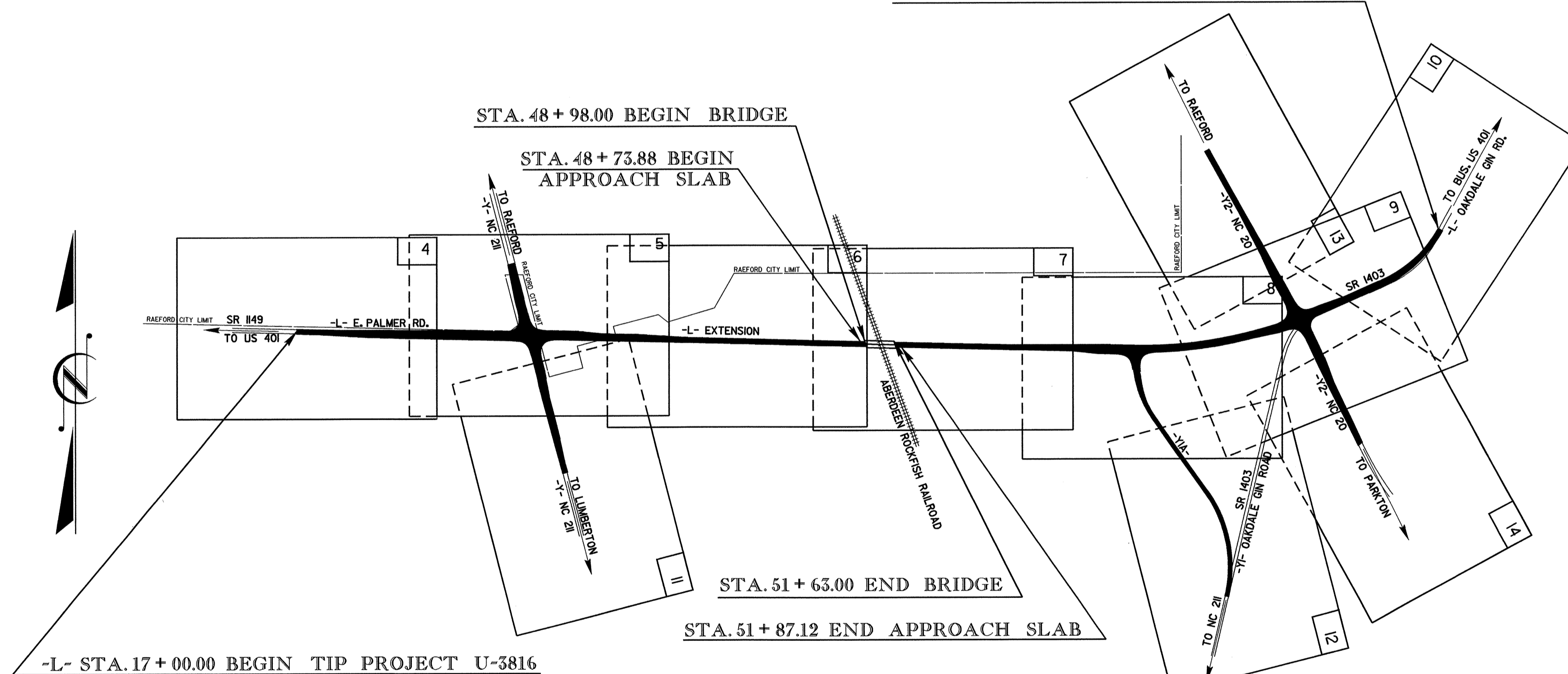


TIP PROJECT: U-3816

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

**LOCATION: PALMER STREET EXTENSION FROM NC 211
AT SR 1149 TO NC 20 AT SR 1403**
TYPE OF WORK: GRADING, PAVING, DRAINAGE, STRUCTURE AND SIGNALS

-L- STA. 84 + 50.00 END TIP PROJECT U-3816



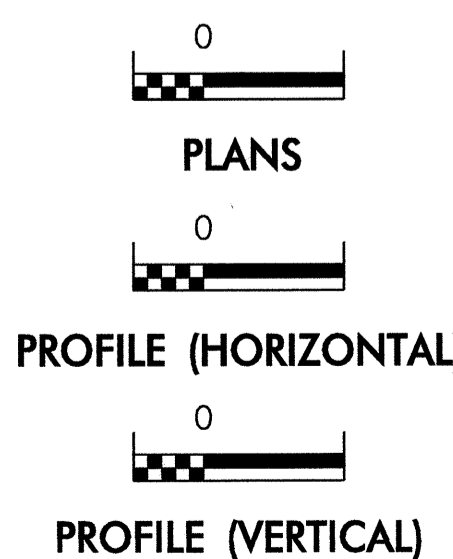
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-3816	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
	Streambank Reforestation.....	
1630.03	Temporary Silt Ditch.....	
1630.05	Temporary Diversion.....	
1605.01	Temporary Silt Fence.....	
1606.01	Special Sediment Control Fence.....	
1622.01	Temporary Berms and Slope Drains.....	
1630.01	Riser Basin.....	
1630.02	Silt Basin Type B.....	
1633.01	Temporary Rock Silt Check Type-A.....	
	Temporary Rock Silt Check Type-B.....	
1634.01	Temporary Rock Sediment Dam Type-A.....	
1634.02	Temporary Rock Sediment Dam Type-B.....	
1635.01	Rock Pipe Inlet Sediment Trap Type-A.....	
1635.02	Rock Pipe Inlet Sediment Trap Type-B.....	
1630.04	Stilling Basin.....	
	Rock Inlet Sediment Trap:	
1632.01	Type A.....	
1632.02	Type B.....	
1632.03	Type C.....	
	Skimmer Basin.....	
	Tiered Skimmer Basin.....	

**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**

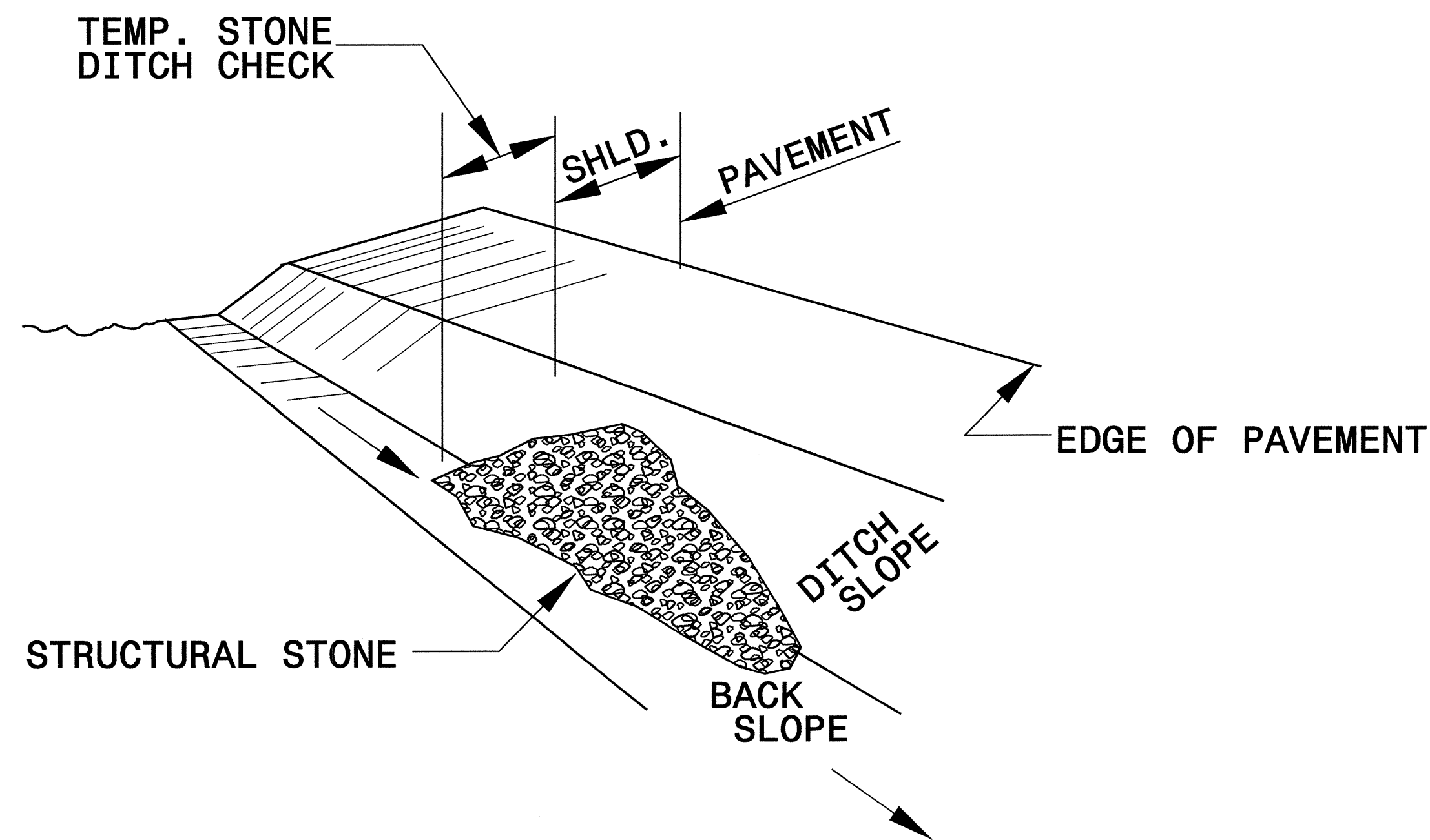
Prepared In the Office of:
ROADSIDE ENVIRONMENTAL UNIT
1 South Wilmington St.
Raleigh, NC 27611
2006 STANDARD SPECIFICATIONS

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 |
| 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 | 1634.02 Temporary Rock Sediment Dam Type B |
| 1630.02 Silt Basin Type B | 1635.02 Rock Pipe Inlet Sediment Trap Type B |
| 1630.03 Temporary Silt Ditch | |
| 1630.05 Temporary Diversion | |

PROJECT REFERENCE NO. U-3816	SHEET NO. EC-2
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

TEMPORARY ROCK SILT CHECK TYPE 'B' DETAIL

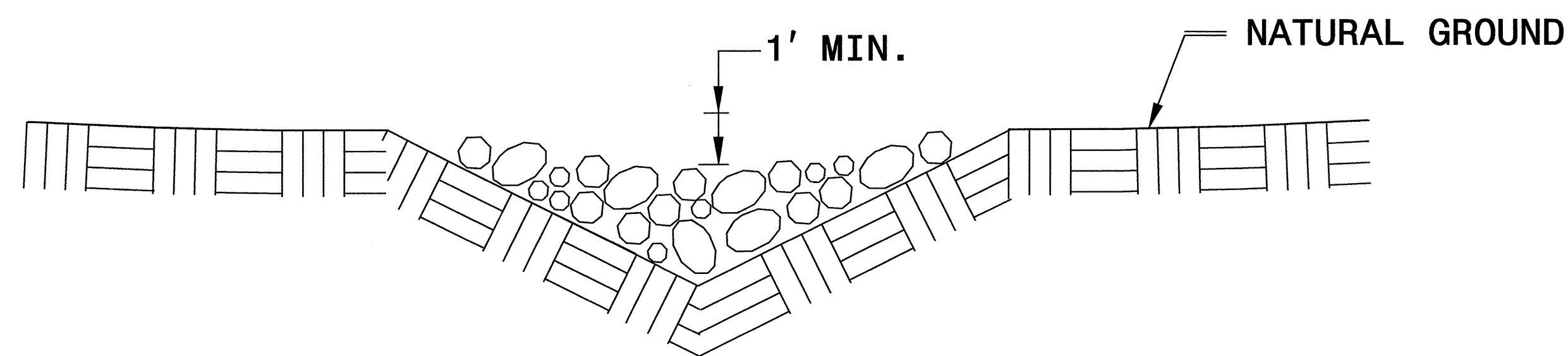


ISOMETRIC VIEW

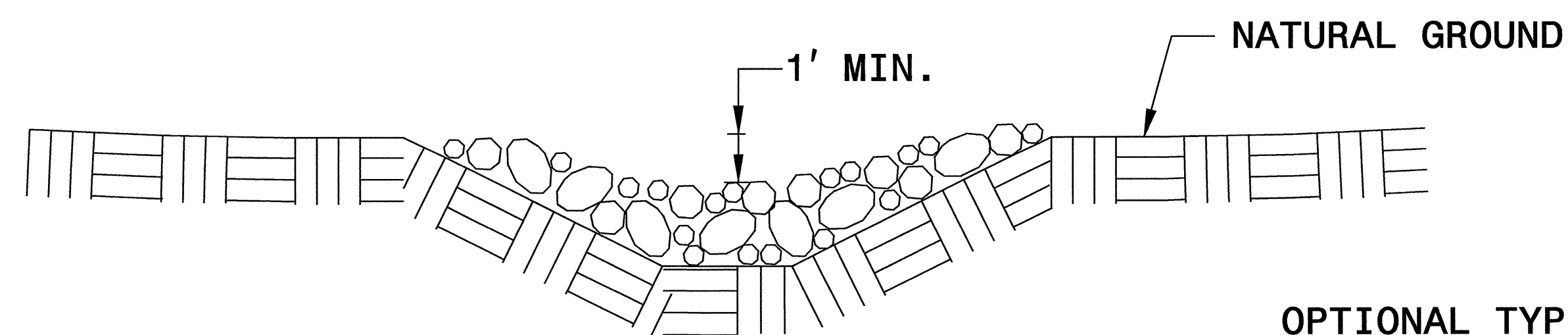
NOTES:

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

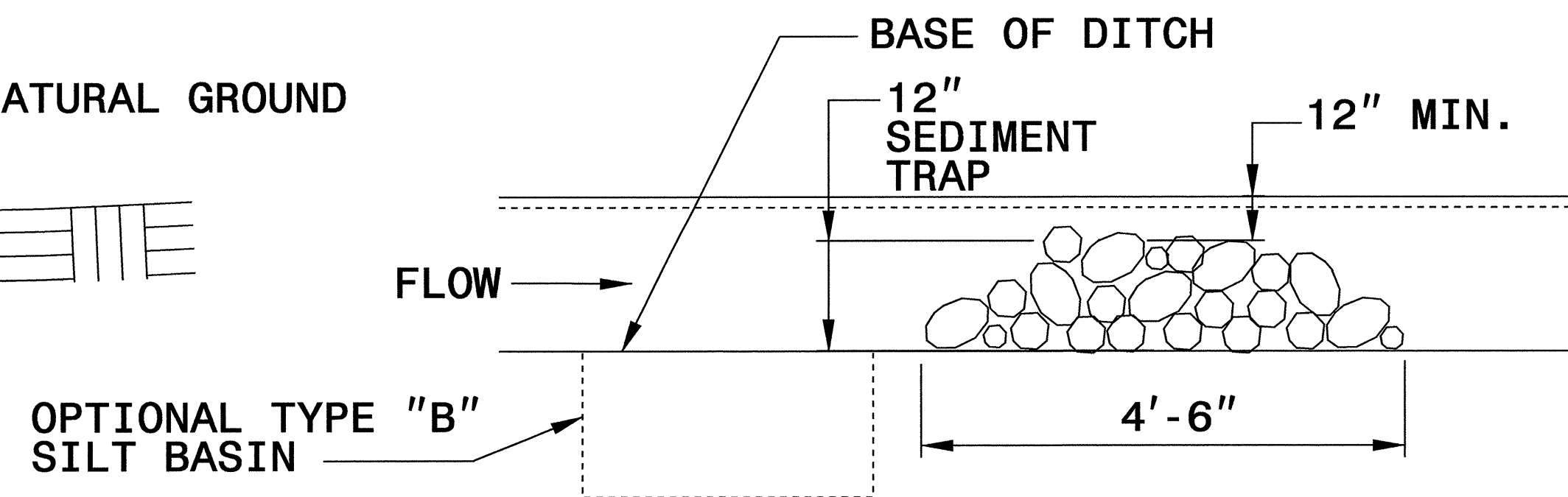
THE ENGINEER MAY DIRECT THE OPTION OF CLASS "A" STONE FOR SITES HAVING LESS THAN ONE (1) ACRE DRAINAGE AREA AND A DITCH GRADE LESS THAN 3%.



CROSS SECTION VEE DITCH



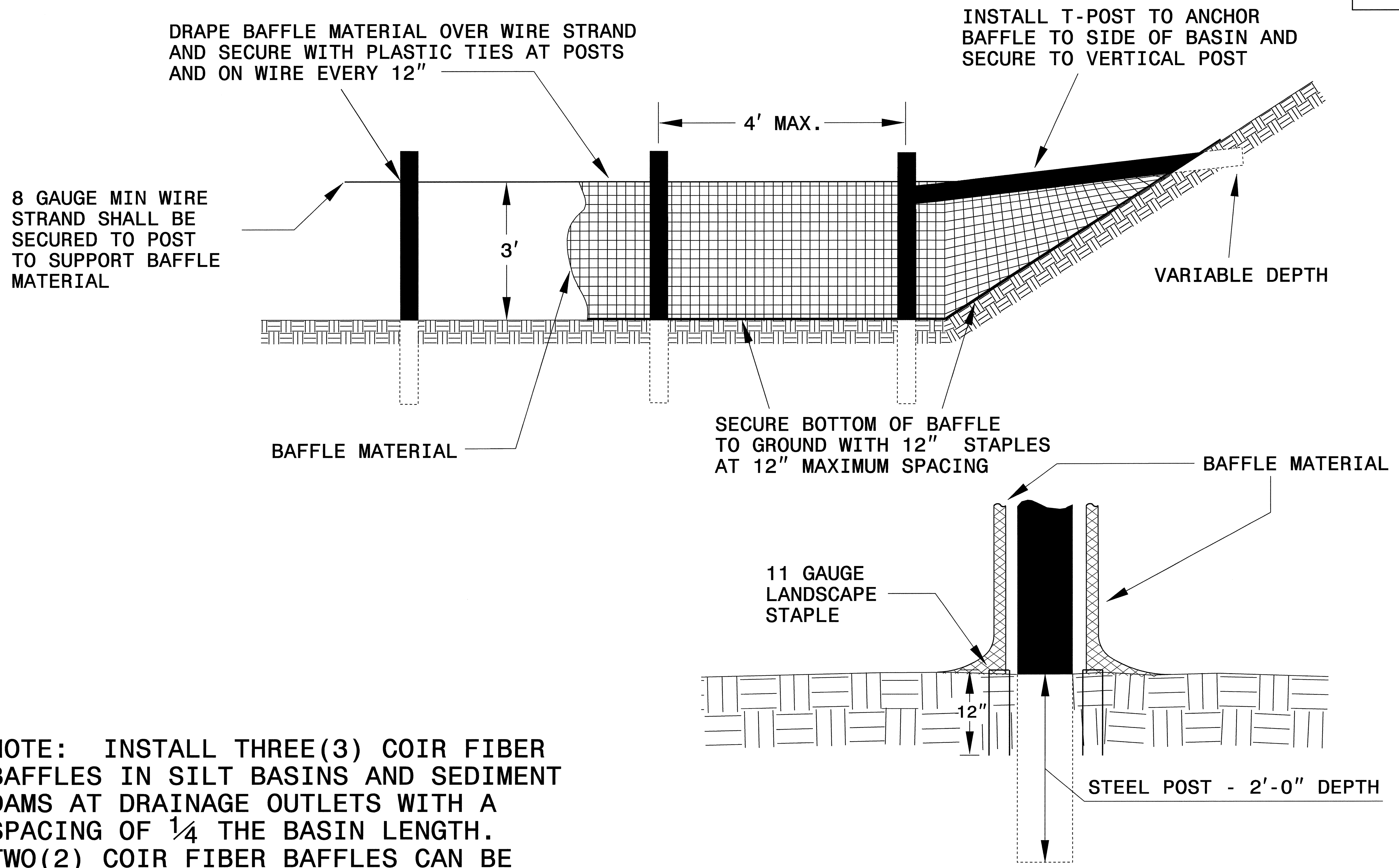
CROSS SECTION TRAPEZOIDAL DITCH



ELEVATION VIEW

PROJECT REFERENCE NO. U-3816	SHEET NO. EC-2A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

COIR FIBER BAFFLE DETAIL

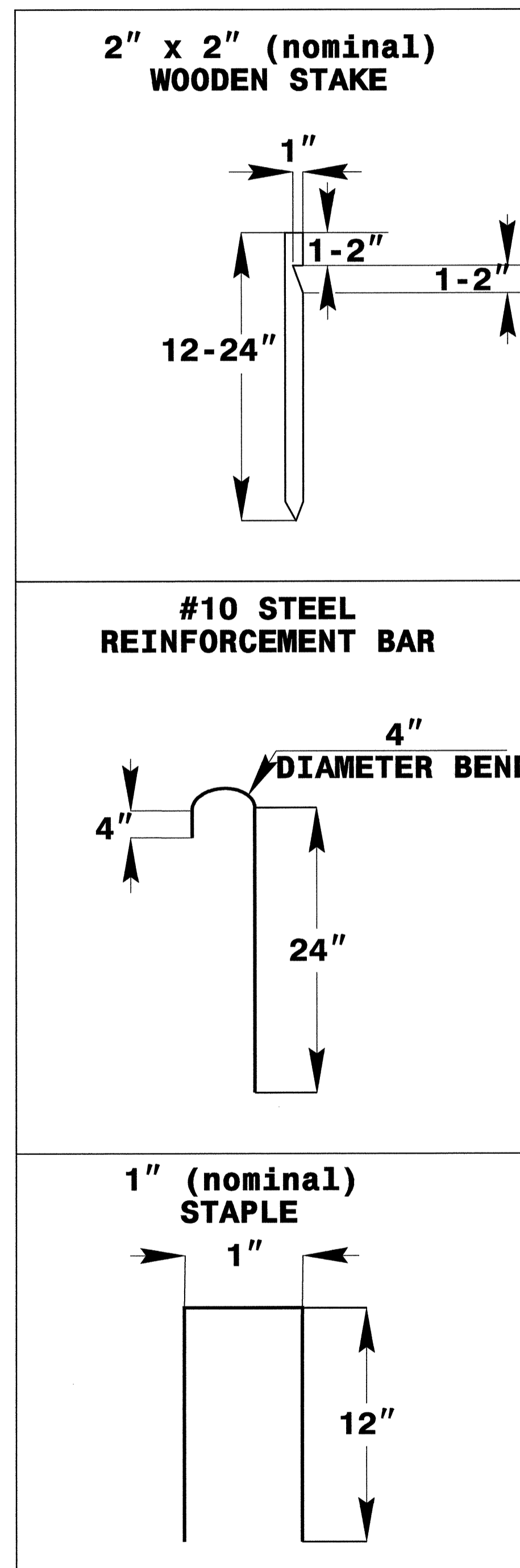
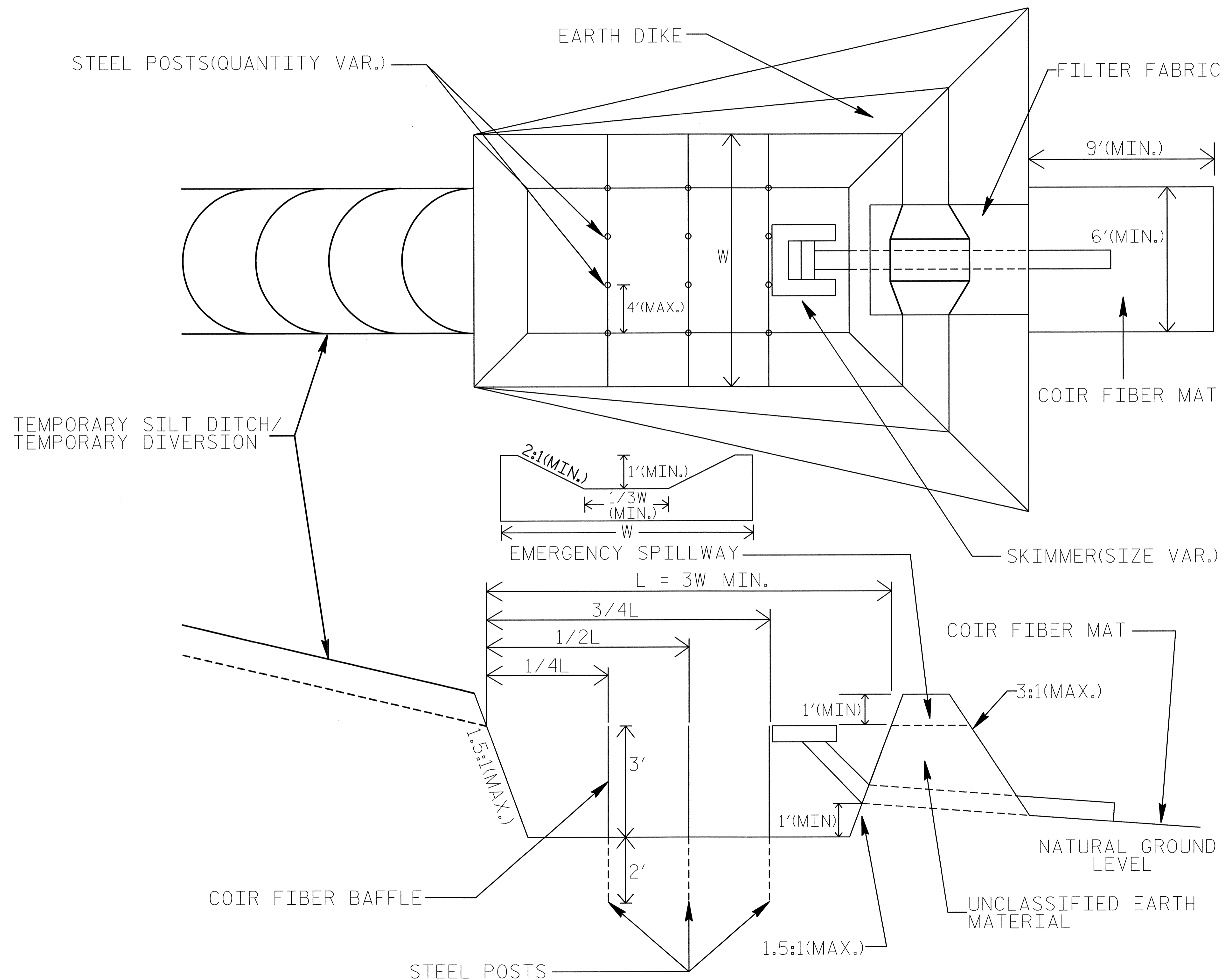


NOTE: INSTALL THREE(3) COIR FIBER BAFFLES IN SILT BASINS AND SEDIMENT DAMS AT DRAINAGE OUTLETS WITH A SPACING OF $\frac{1}{4}$ THE BASIN LENGTH. TWO(2) COIR FIBER BAFFLES CAN BE INSTALLED IN SILT BASINS AND DAMS LESS THAN 20 FT. IN LENGTH WITH A SPACING OF $\frac{1}{3}$ THE BASIN LENGTH.

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

SKIMMER BASIN WITH BAFFLES DETAIL

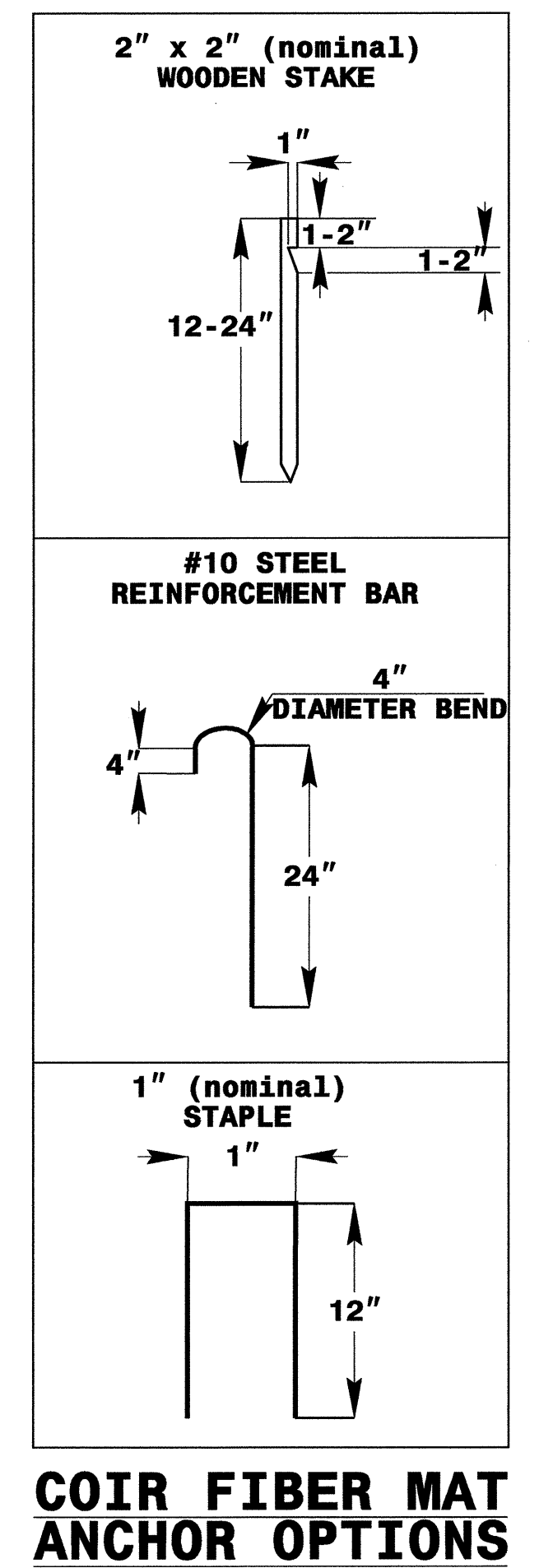
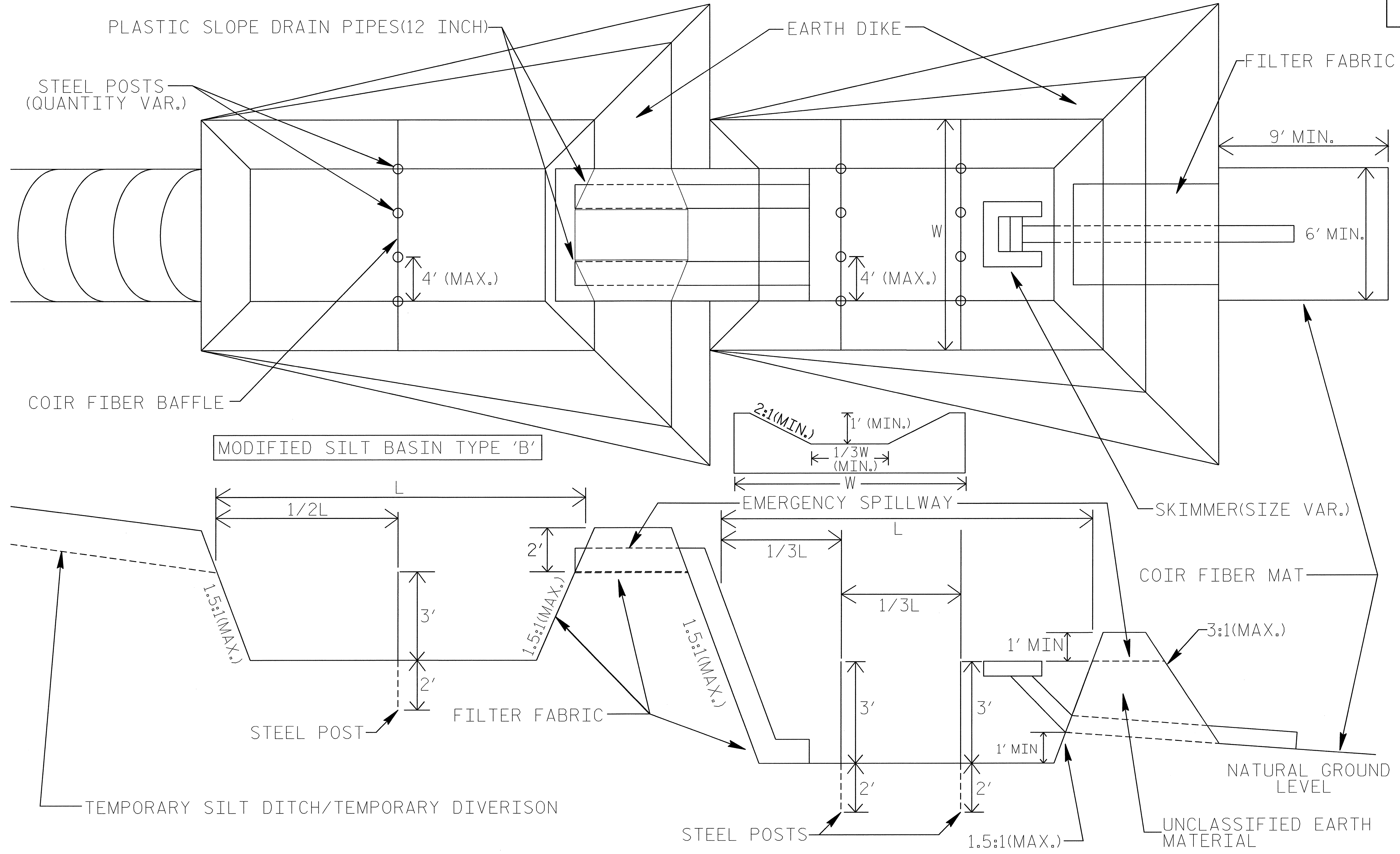
PROJECT REFERENCE NO. U-3816	SHEET NO. EC-2B
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



COIR FIBER MAT ANCHOR OPTIONS

TIERED SKIMMER BASIN DETAIL

PROJECT REFERENCE NO. U-3816	SHEET NO. EC-2C
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



NOTE
 ADDITIONAL MODIFIED SILT BASINS TYPE 'B' MAY BE NEEDED DEPENDING ON SLOPE.

PROJECT REFERENCE NO. U-3816	SHEET NO. EC-4/CONST.4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

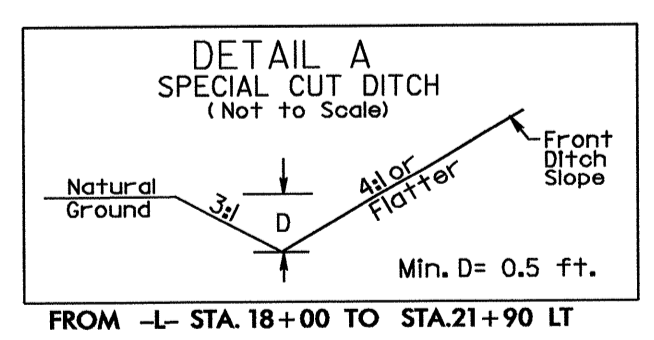
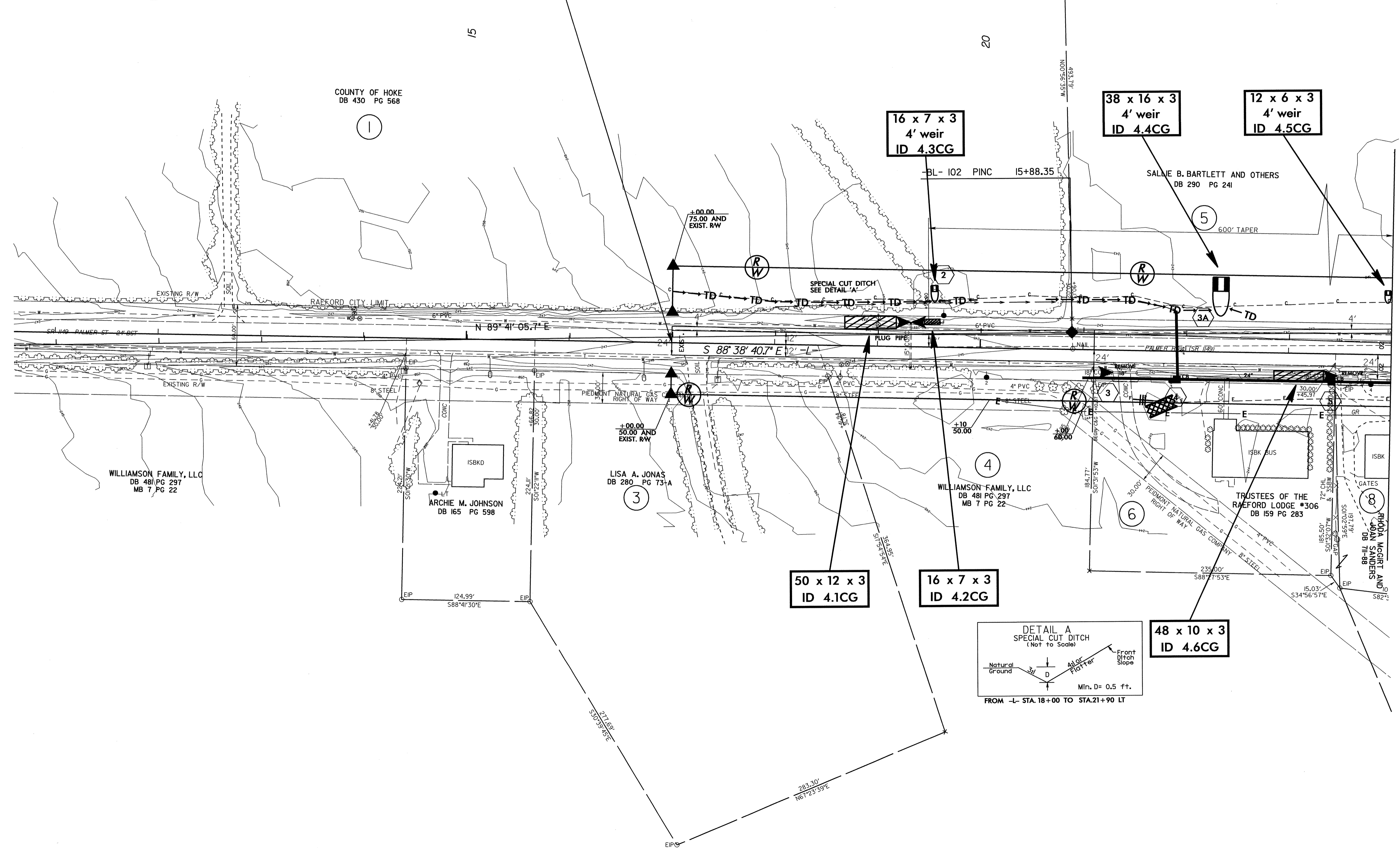
CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 4

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

NOTE: SEE SHEET 15 FOR -L- PROFILE

NC GRID
NAD 83/95

-L- STA. 17+00.00 BEGIN TIP PROJECT U-3816



MATCHLINE STA. 24+00.00 -L- SEE SHEET 5

11-SEP-2007 18:48
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AL BRN21416

PROJECT REFERENCE NO.	SHEET NO.
U-3816	EC-5/CONST.5
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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: SEE SHEETS 15 & 16 FOR -L- PROFILE
SEE SHEET 18 FOR -Y- PROFILE

ES, LIMITED PARTNERSHIP
236 PG 441

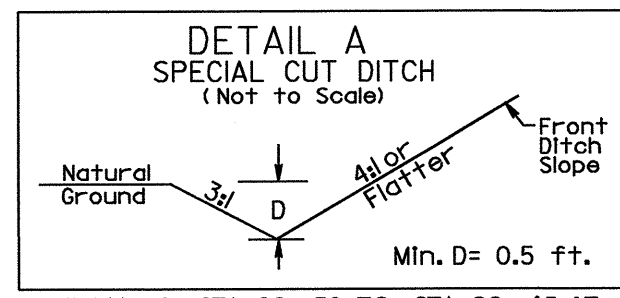
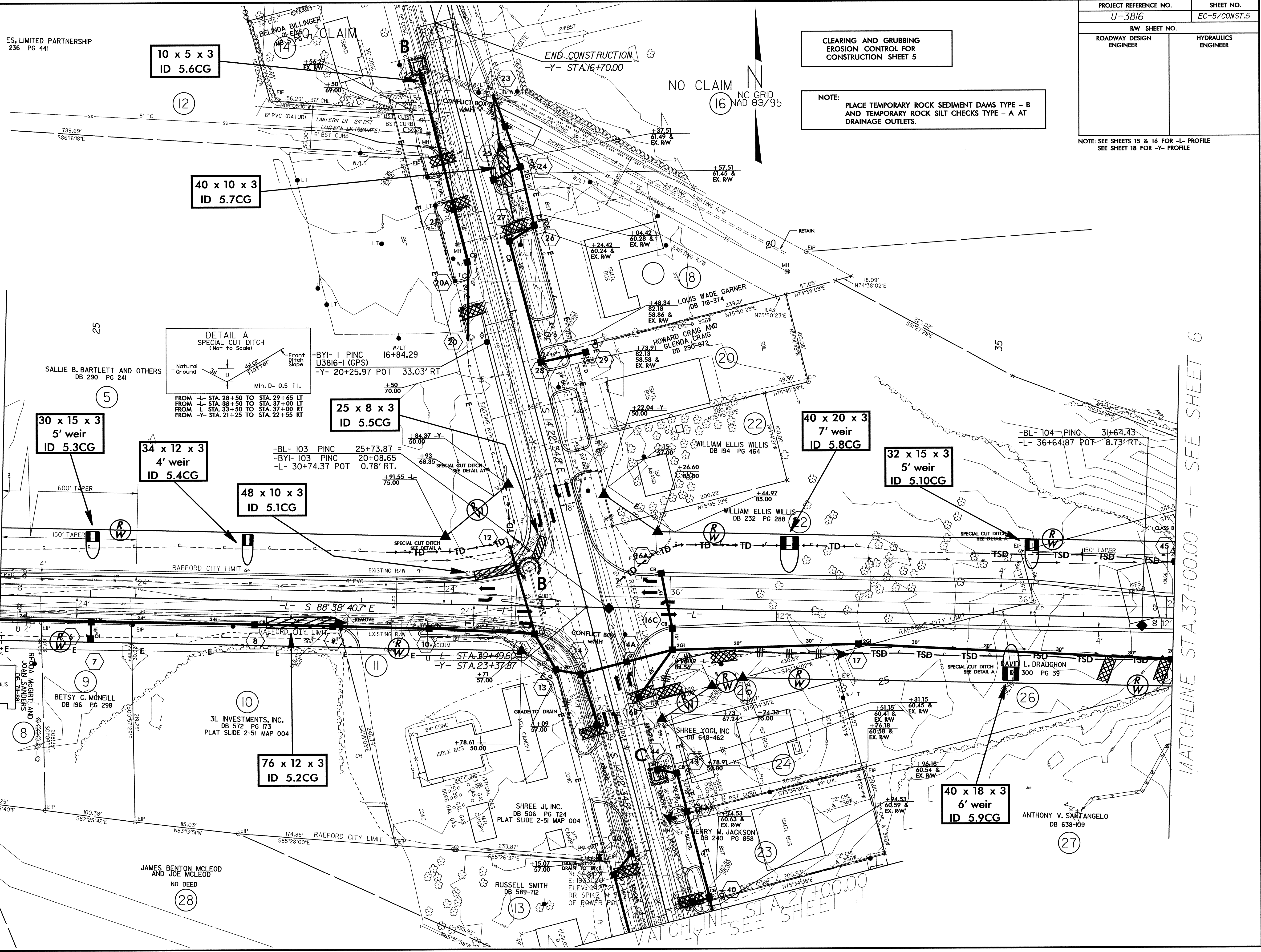
END CONSTRUCTION
-Y- STA.16+70.00

NO CLAIM
16 NC GRID
NAD 83/95

MATCHLINE STA. 24+00.00 -L- SEE SHEET 4

MATCHLINE STA. 37+00.00 -L- SEE SHEET 6

11-SEP-2007 18:52
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ec-5.dwg



FROM -L- STA. 28+50 TO STA. 29+65 LT
FROM -L- STA. 33+50 TO STA. 37+00 RT
FROM -Y- STA. 21+25 TO STA. 22+55 RT

-BL- 103 PINC 25+73.87
-BY- 103 PINC 20+08.65
-L- 30+74.37 POT 0.78' RT

-BL- 104 PINC 31+64.43
-L- 36+64.87 POT 8.73' RT

MATCHLINE STA. 27+00.00 -L- SEE SHEET 11

PROJECT REFERENCE NO. U-3816	SHEET NO. EC-6/CONST.6
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE: SEE SHEET 16 FOR -L- PROFILE

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 6

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

INSTALL FILTER FABRIC UNDER
TEMPORARY ROCK SILT CHECK(S)
TYPE A IN PERMITTED WETLANDS.

22 x 6 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
4 ft. weir
ID 6.4F

34 x 10 x 3
1.5 inch Skimmer
with 1.125 inch
Orifice Diameter
4 ft. weir
ID 6.2CG

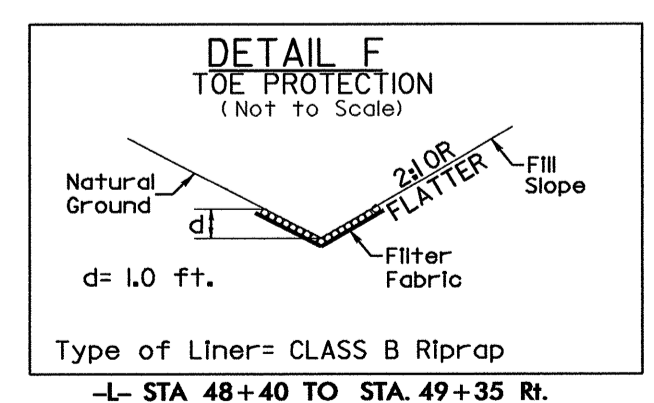
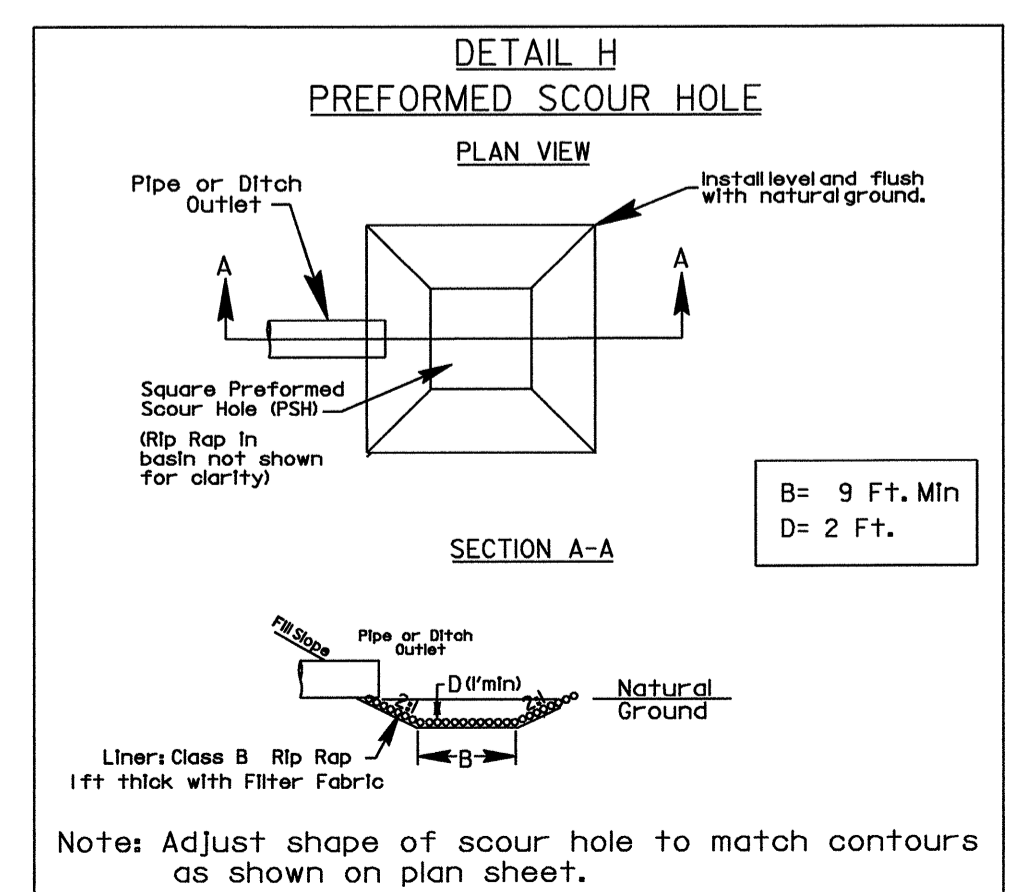
32 x 16 x 3
5' weir
ID 6.3CG

42 x 22 x 3
7' weir
ID 6.4CG

32 x 12 x 3
1.5 inch Skimmer
with 1.125 inch
Orifice Diameter
4 ft. weir
ID 6.1F

52 x 15 x 3
2 inch Skimmer
with 1.625 inch
Orifice Diameter
6 ft. weir
ID 6.2F

28 x 10 x 3
1.5 inch Skimmer
with 1 inch
Orifice Diameter
4X ft. weir
ID 6.3F



MATCHLINE STA. 37+00.00 -L- SEE SHEET 5

MATCHLINE STA. 48+00.00 -L- SEE SHEET 7

12-SEP-2007 11:16 g:\p\p\projects\3816\env\project\ta\des\gn\3816-ec.pstn6.dgn

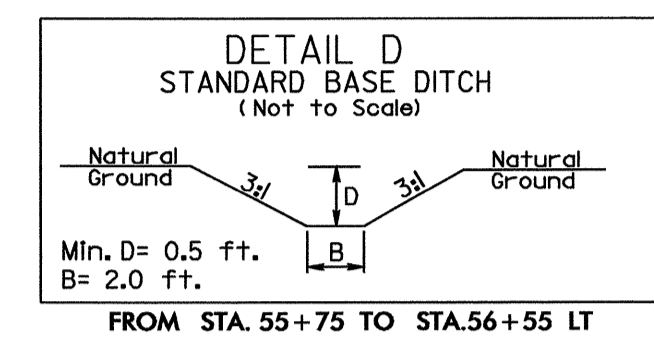
PROJECT REFERENCE NO. U-3816	SHEET NO. EC-7/CONST.7
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE: SEE SHEET 16 FOR -L- PROFILE

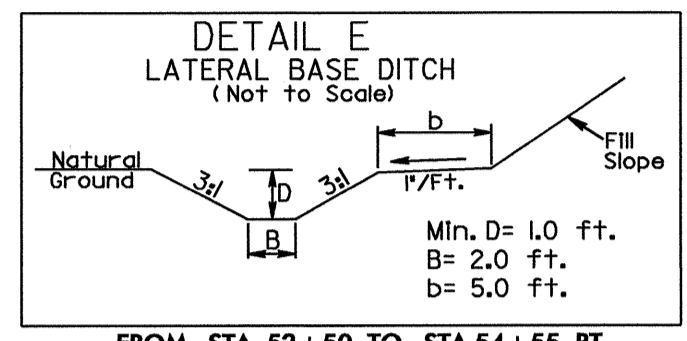
CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 7

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

38 x 8 x 3
1.5 inch Skimmer
with 1.375 inch
Orifice Diameter
6 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 7.1CG



Modified Silt Basin
Type 'B'
38 x 8 x 3
(See Tiered Skimmer
Basin Detail)
ID 7.1CG



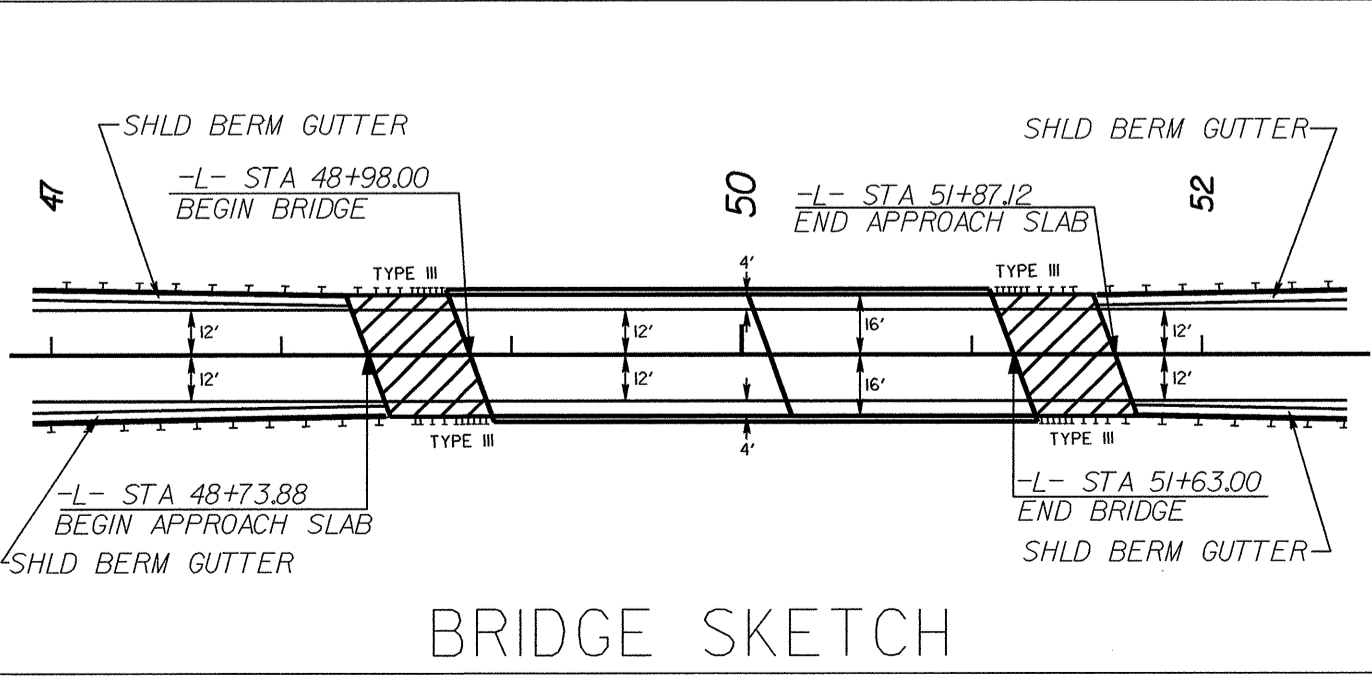
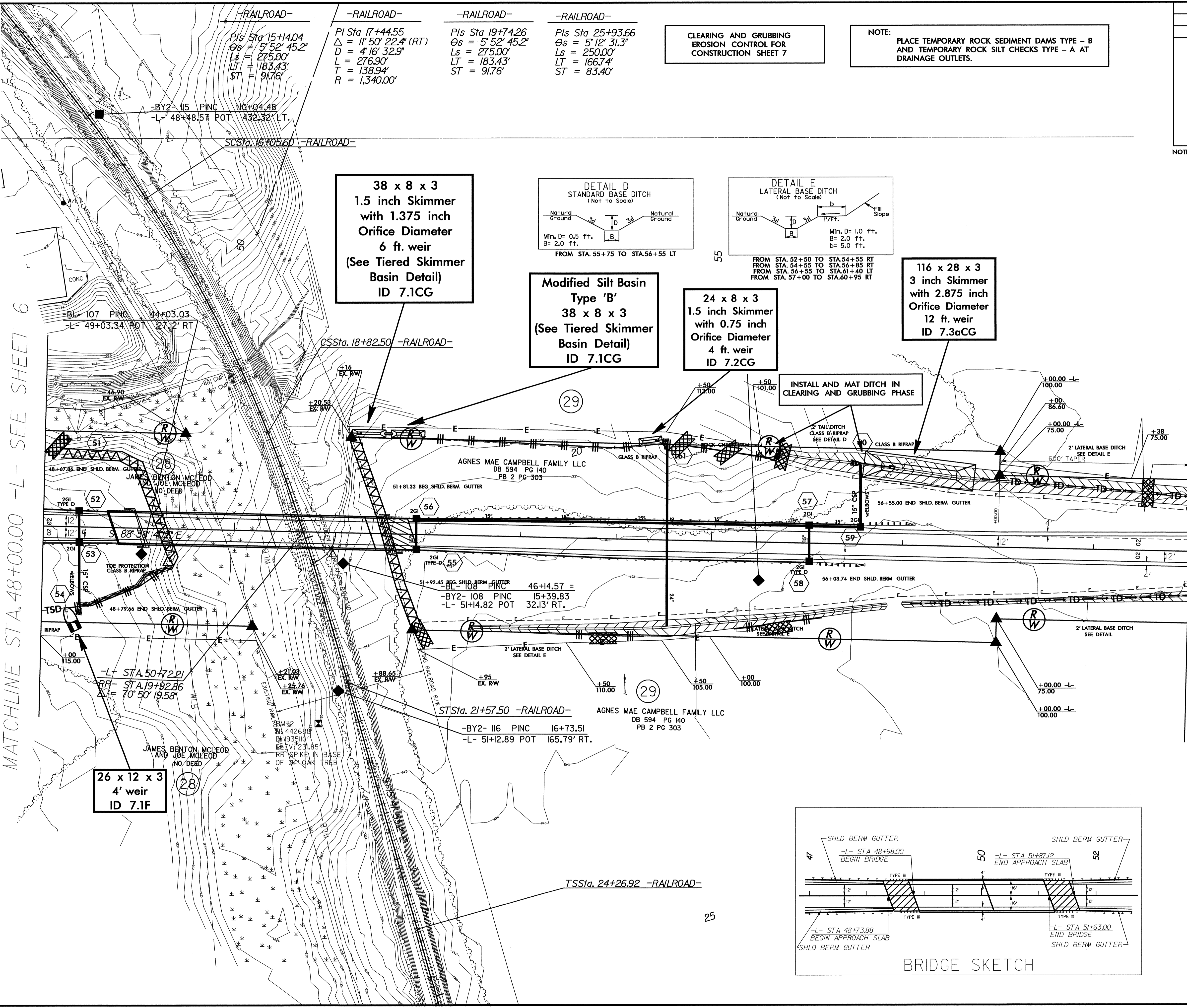
24 x 8 x 3
1.5 inch Skimmer
with 0.75 inch
Orifice Diameter
4 ft. weir
ID 7.2CG

116 x 28 x 3
3 inch Skimmer
with 2.875 inch
Orifice Diameter
12 ft. weir
ID 7.3aCG

INSTALL AND MAT DITCH IN
CLEARING AND GRUBBING PHASE

MATCHLINE STA. 48+00.00 -L- SEE SHEET 6

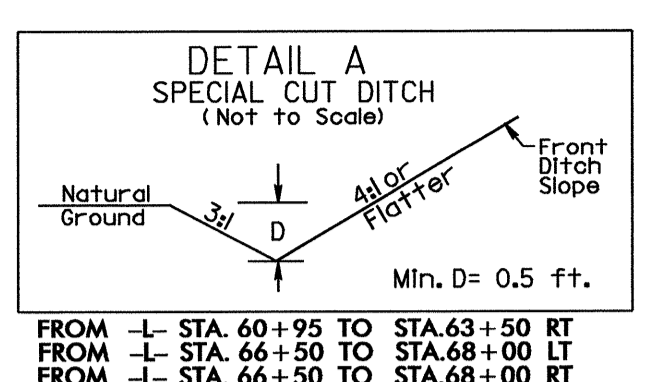
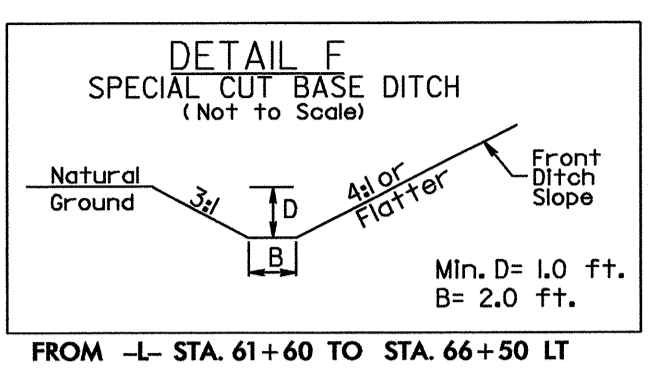
MATCHLINE STA. 60+00.00 -L- SEE SHEET 8



SEP-2007 10:02
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REV: 1/2/07

PROJECT REFERENCE NO. U-3816	SHEET NO. EC-8/CONST.8
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE: SEE SHEETS 16 & 17 FOR -L- PROFILE
SEE SHEET 19 FOR -YIA- PROFILE

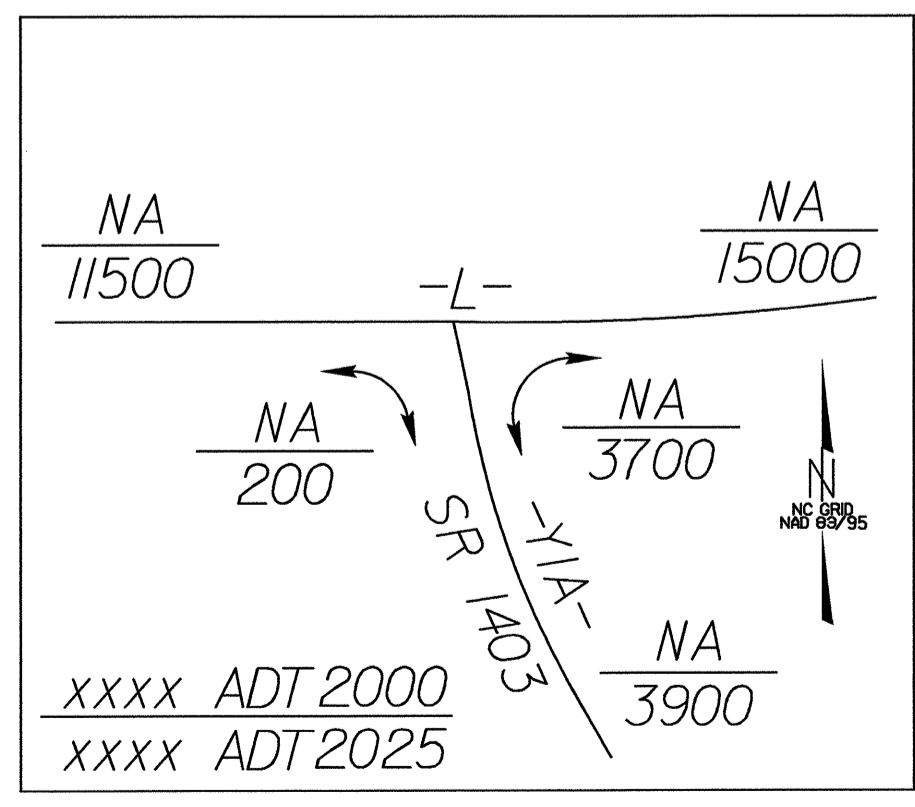
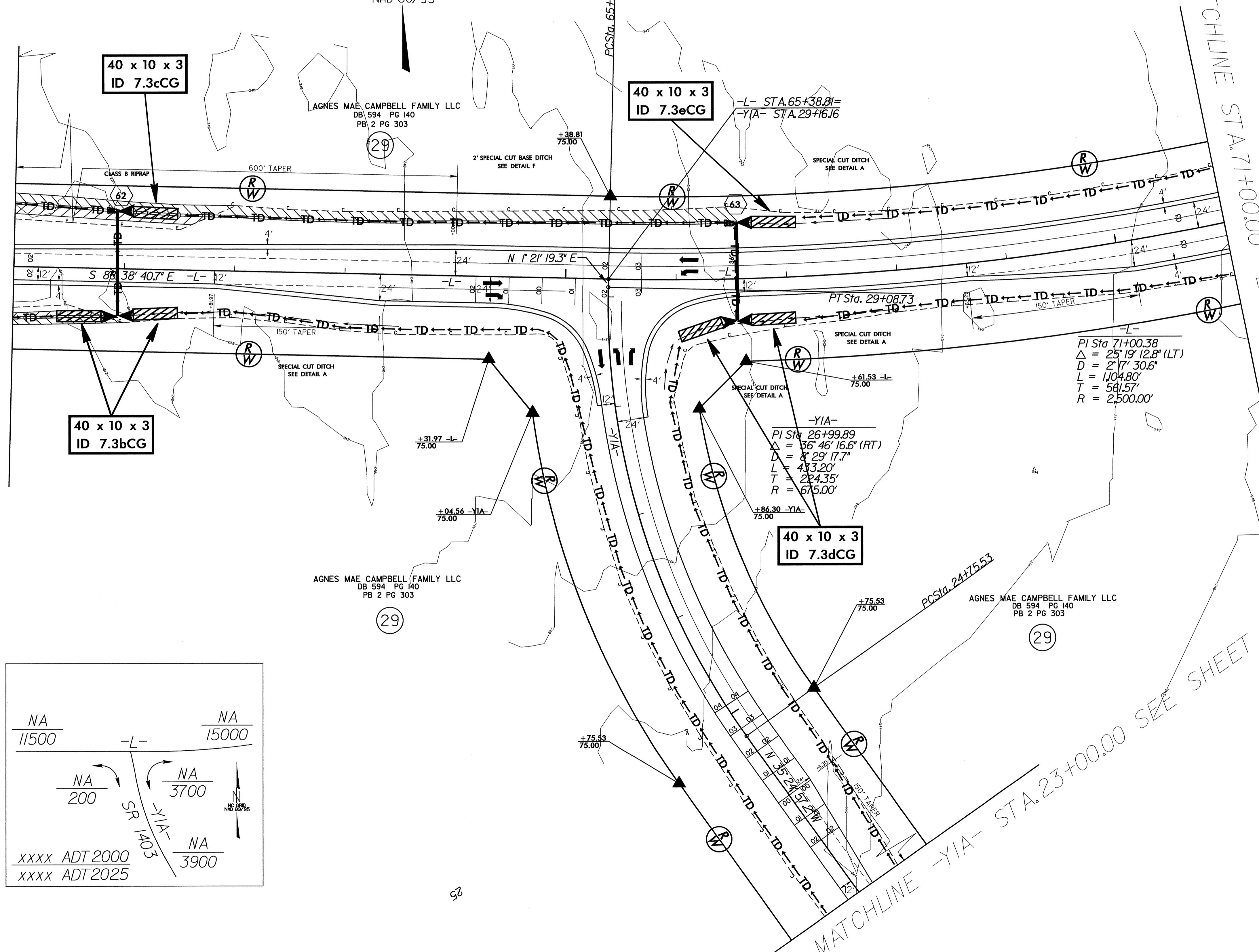


CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 8

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

MATCHLINE STA. 60+00.00 -L- SEE SHEET 7

MATCHLINE STA. 71+00.00 -L- SEE SHEET 9



12-SEP-2007 08:33
g:\piper\objects\3816\env\ir\project\des\gn\3816_ec_psh8.dgn
REVISIONS

PROJECT REFERENCE NO.	SHEET NO.
U-3816	EC-9/CONST.9
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE: SEE SHEET 17 FOR -L- PROFILE
SEE SHEET 20 FOR -Y2- PROFILE

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 9

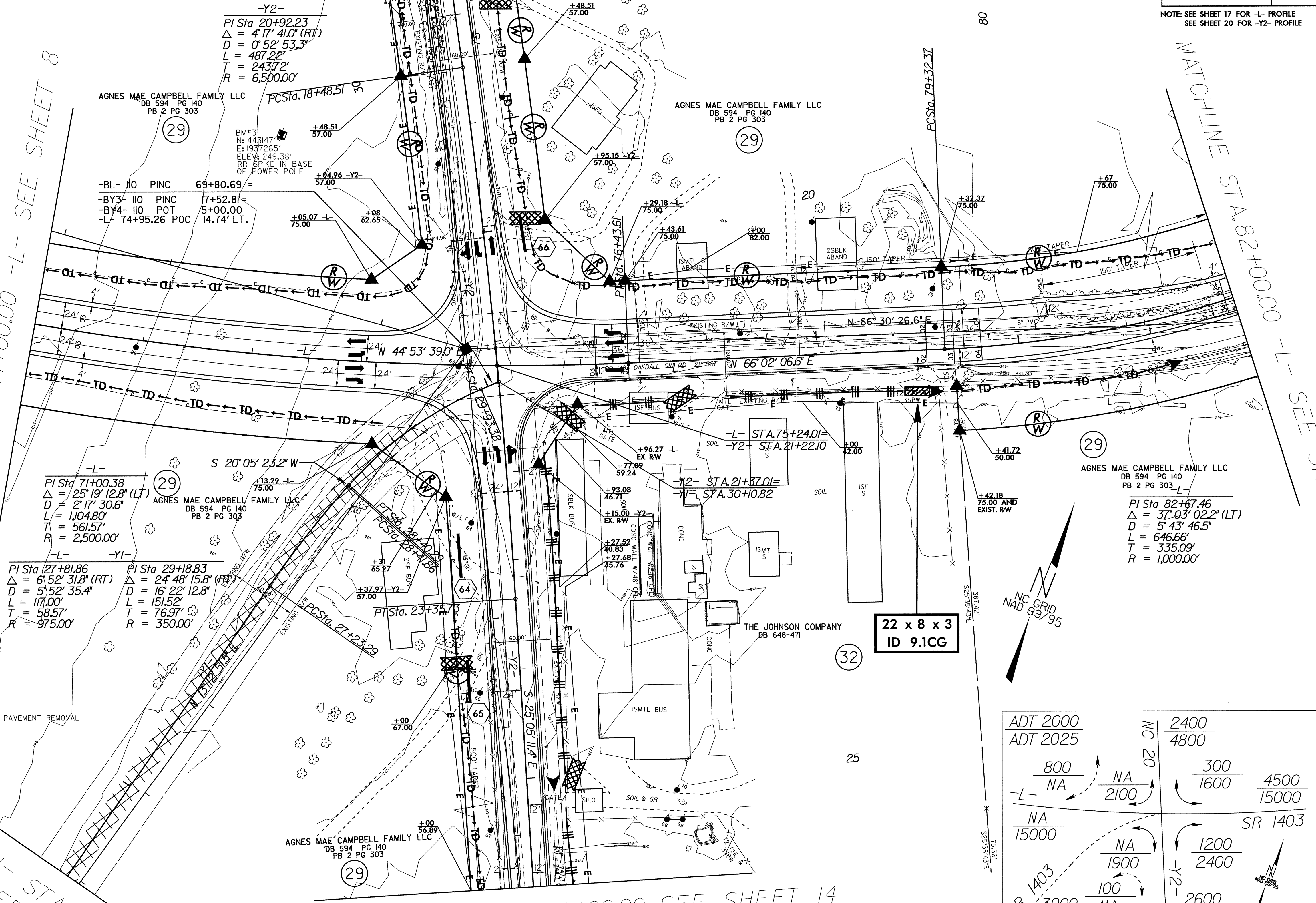
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.

MATCHLINE -Y2- STA.17+00.00 SEE SHEET 13

31 JOHN R. MAXWEL
DB 282 PG 478

MATCHLINE STA.71+00.00 -L- SEE SHEET 8

MATCHLINE STA.82+00.00 -L- SEE SHEET 10



-L-
PI Sta 71+00.38
Δ = 25°19'12.8" (LT)
D = 2'17'30.6"
L = 1104.80'
T = 561.57'
R = 2,500.00'

-L- -Y1-
PI Sta 27+81.86
Δ = 61°52'31.8" (RT)
D = 5'52'35.4"
L = 117.00'
T = 58.57'
R = 975.00'

-Y1-
PI Sta 29+18.83
Δ = 24°48'15.8" (RT)
D = 16'22'12.8"
L = 151.52'
T = 76.97'
R = 350.00'

-Y2-
PI Sta 20+92.23
Δ = 4°17'41.0" (RT)
D = 0'52'53.3"
L = 487.22'
T = 243.72'
R = 6,500.00'

AGNES MAE CAMPBELL FAMILY LLC
DB 594 PG 140
PB 2 PG 303
PI Sta 82+67.46
Δ = 37°03'02.2" (LT)
D = 5'43'46.5"
L = 646.66'
T = 335.09'
R = 1,000.00'

22 x 8 x 3
ID 9.1CG

ADT 2000	2400	
ADT 2025	4800	
800	300	4500
NA	1600	15000
NA	2100	
NA		SR 1403
15000	1200	2400
NA	1900	
SR 1403	100	2600
3900	NA	5400
NA		

12-SEP-2007 09:55
59:40:00
C:\Users\jmaxwel\Documents\3816.ec-psht9.dgn
REV: 14.00

MATCHLINE -Y1- STA.24+00.00
SEE SHEET 12

MATCHLINE -Y2- STA.26+00.00 SEE SHEET 14

PROJECT REFERENCE NO. U-3816	SHEET NO. EC-11/CONST.11
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

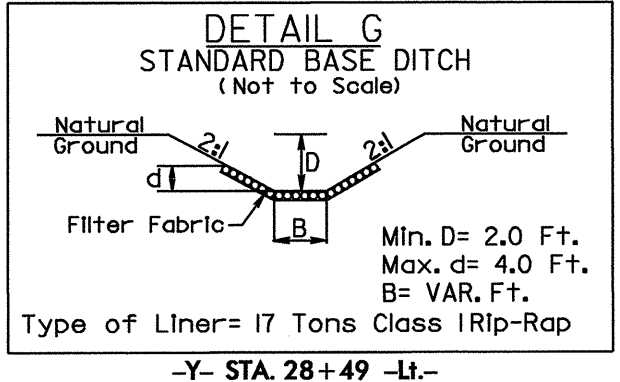
NOTE: SEE SHEET 18 FOR -Y- PROFILE

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 11

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

**Modified Silt Basin
Type 'B'
22 x 12 x 3
(See Tiered Skimmer
Basin Detail)
ID 11.1F**

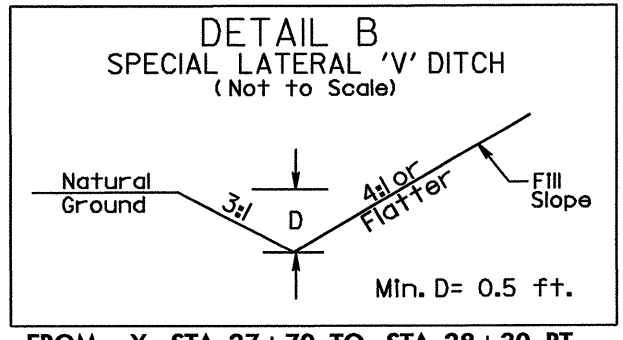
**22 x 12 x 3
1.5 inch Skimmer
with 1.375 inch
Orifice Diameter
4 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 11.1F**



**30 x 14 x 3
5' weir
ID 11.2CG**

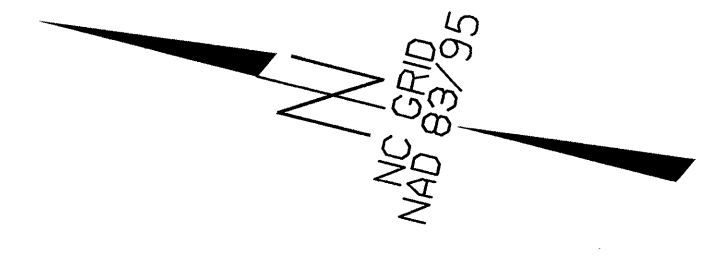
**54 x 14 x 3
1.5 inch Skimmer
with 1.5 inch
Orifice Diameter
10 ft. weir
ID 11.2F**

**50 x 20 x 3
2 inch Skimmer
with 1.75 inch
Orifice Diameter
7 ft. weir
ID 11.4CG**



FROM -Y- STA. 27+70 TO STA. 28+30 RT
FROM -Y- STA. 28+57 TO STA. 34+00 LT
FROM -Y- STA. 28+55 TO STA. 34+00 RT

MATCHLINE STA. 27+00.00 -Y- SEE SHEET 5



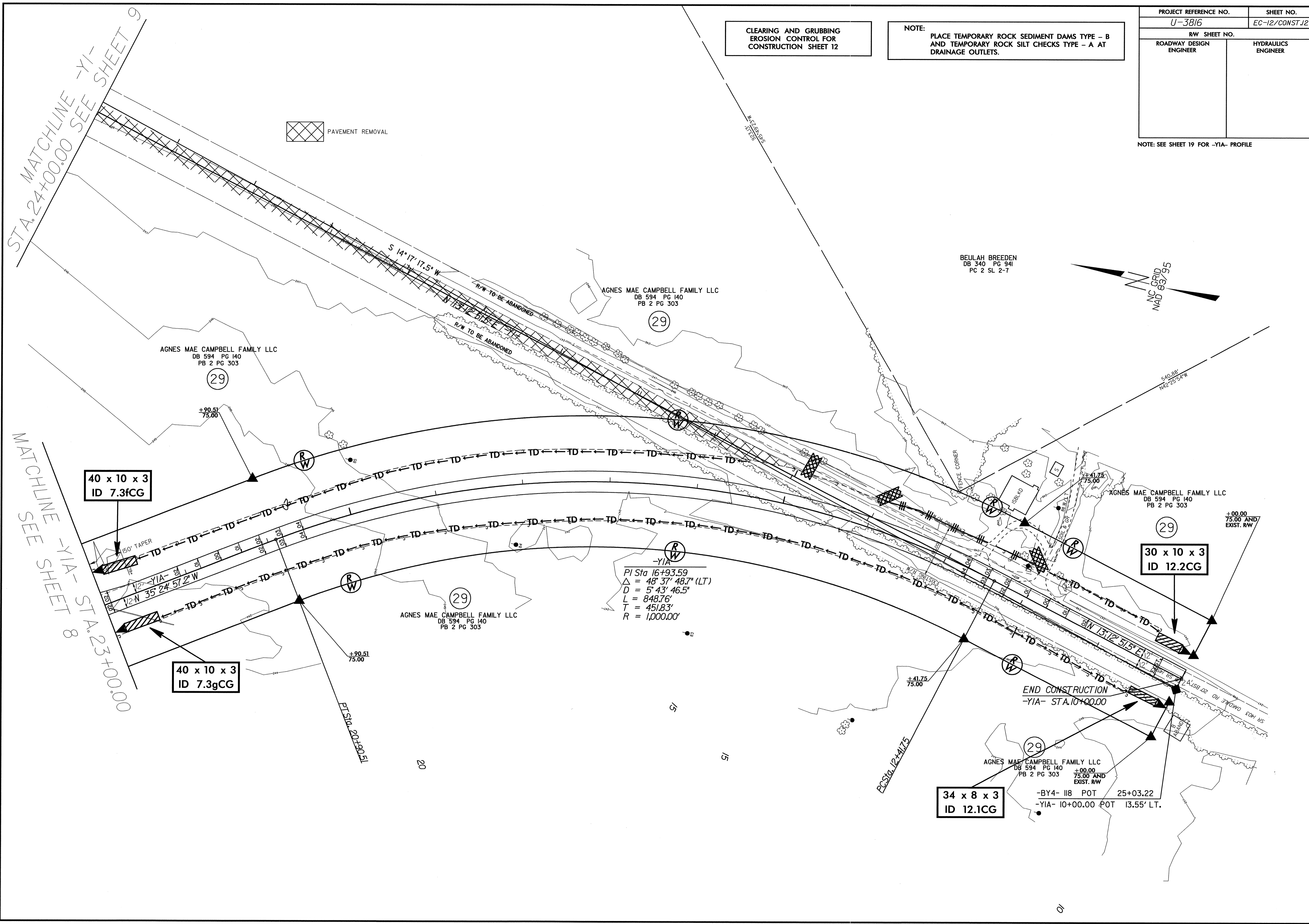
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PROJECT REFERENCE NO. U-3816	SHEET NO. EC-12/CONST J2
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE: SEE SHEET 19 FOR -Y1A- PROFILE

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 12

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



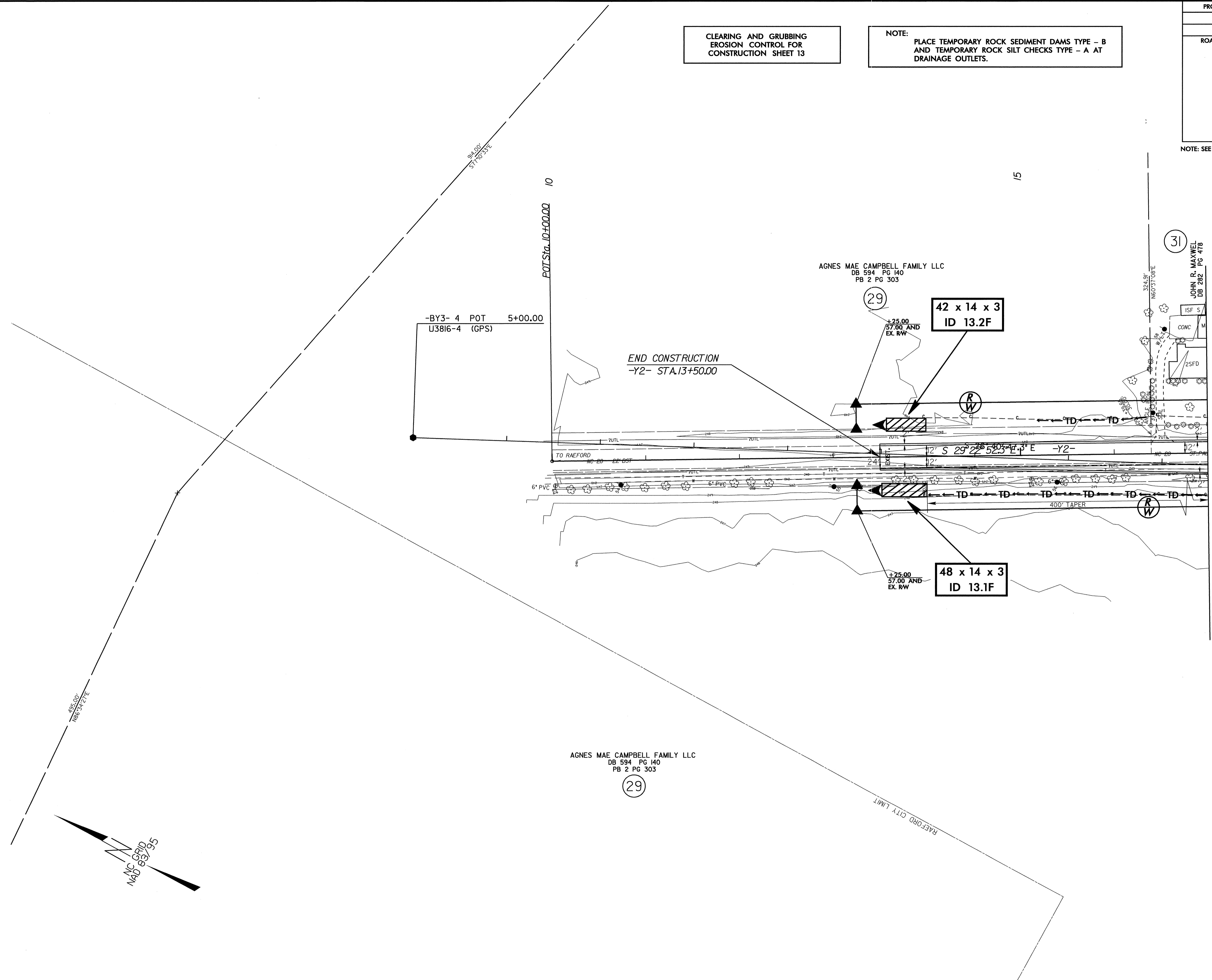
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PROJECT REFERENCE NO. U-3816	SHEET NO. EC-13/CONST.13
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 13

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

NOTE: SEE SHEET 20 FOR -Y2- PROFILE



MATCHLINE -Y2- STA.17+00.00 SEE SHEET 9

I:\2-SEP-2007 08:40
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lenhite\psh13

386.00'
186° 54' 27"E

316.00'
51° 10' 33"E



POT Sta. 10+00.00 10

-BY3- 4 POT 5+00.00
U3816-4 (GPS)

END CONSTRUCTION
-Y2- STA.13+50.00

AGNES MAE CAMPBELL FAMILY LLC
DB 594 PG 140
PB 2 PG 303

(29)

42 x 14 x 3
ID 13.2F

(RW)

+75.00
57.00 AND
EX. RW

48 x 14 x 3
ID 13.1F

324.91'
N60° 37' 08"E

(31)
JOHN R. MAXWELL
DB 282 PG 478

AGNES MAE CAMPBELL FAMILY LLC
DB 594 PG 140
PB 2 PG 303

(29)

RAEFORD CITY LIMIT

70

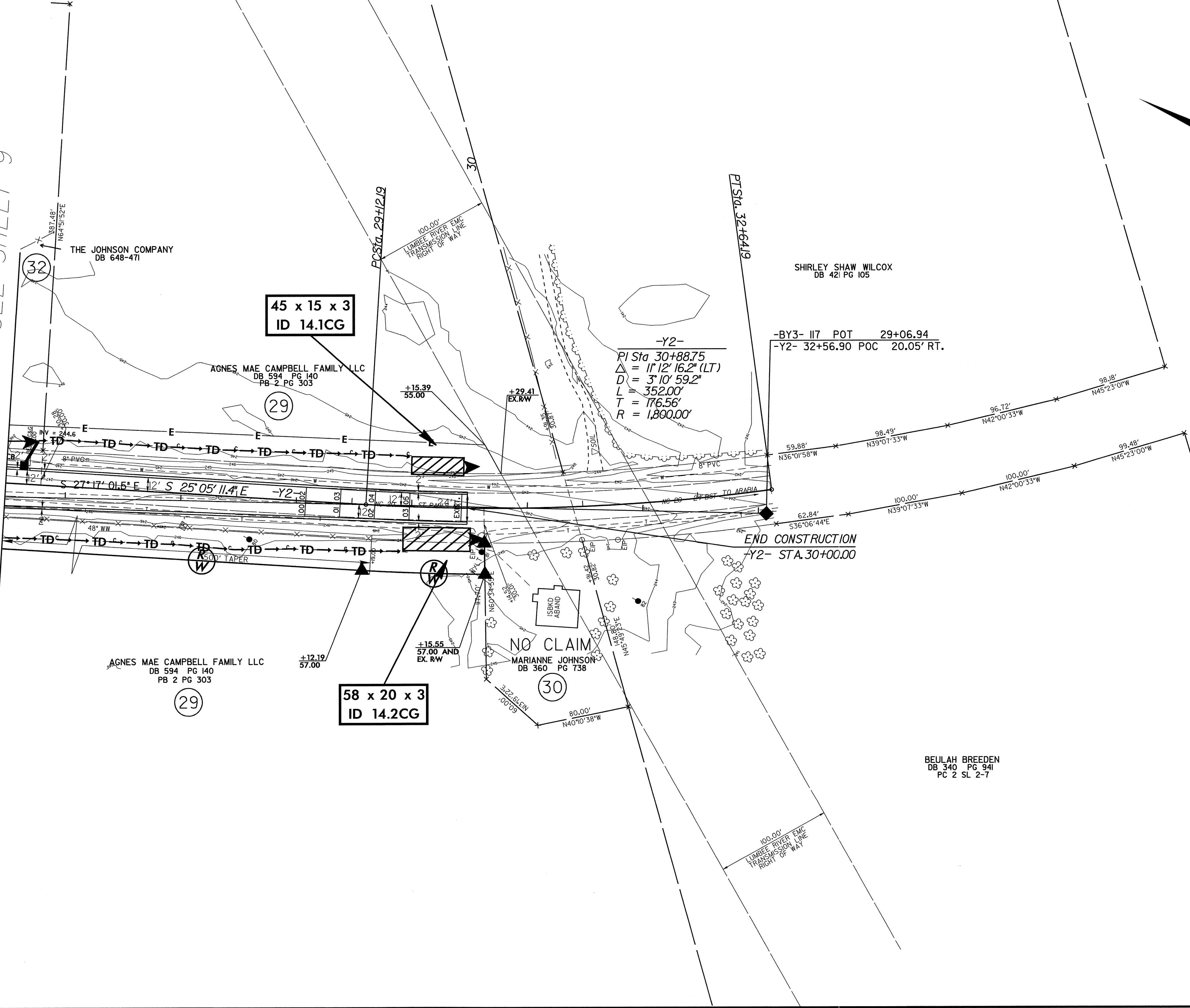
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RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE: SEE SHEET 20 FOR -Y2- PROFILE

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 14

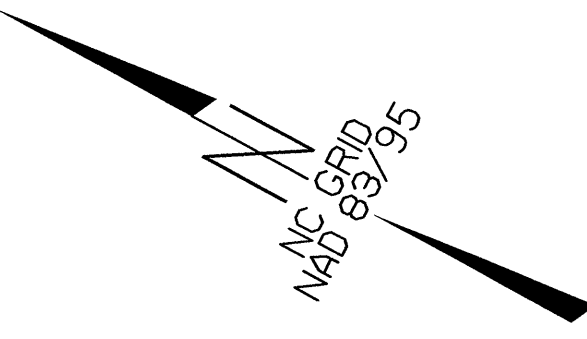
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.

MATCHLINE -Y2- STA. 26+00.00 SEE SHEET 9



-Y2-
PI Sta 30+88.75
 $\Delta = 11' 12" 16.2" (LT)$
 $D = 3' 10" 59.2"$
 $L = 352.00'$
 $T = 176.56'$
 $R = 1,800.00'$

-BY3- 117 POT 29+06.94
-Y2- 32+56.90 POC 20.05' RT.



12-SEP-2007 10:01
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12-SEP-2007 10:01
S:\p1\roadsh...
12-SEP-2007 10:01
S:\p1\roadsh...

PROJECT REFERENCE NO.	SHEET NO.
U-3816	EC-15/CONST.4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

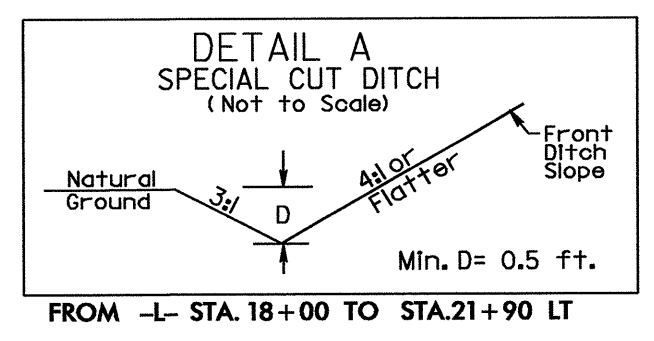
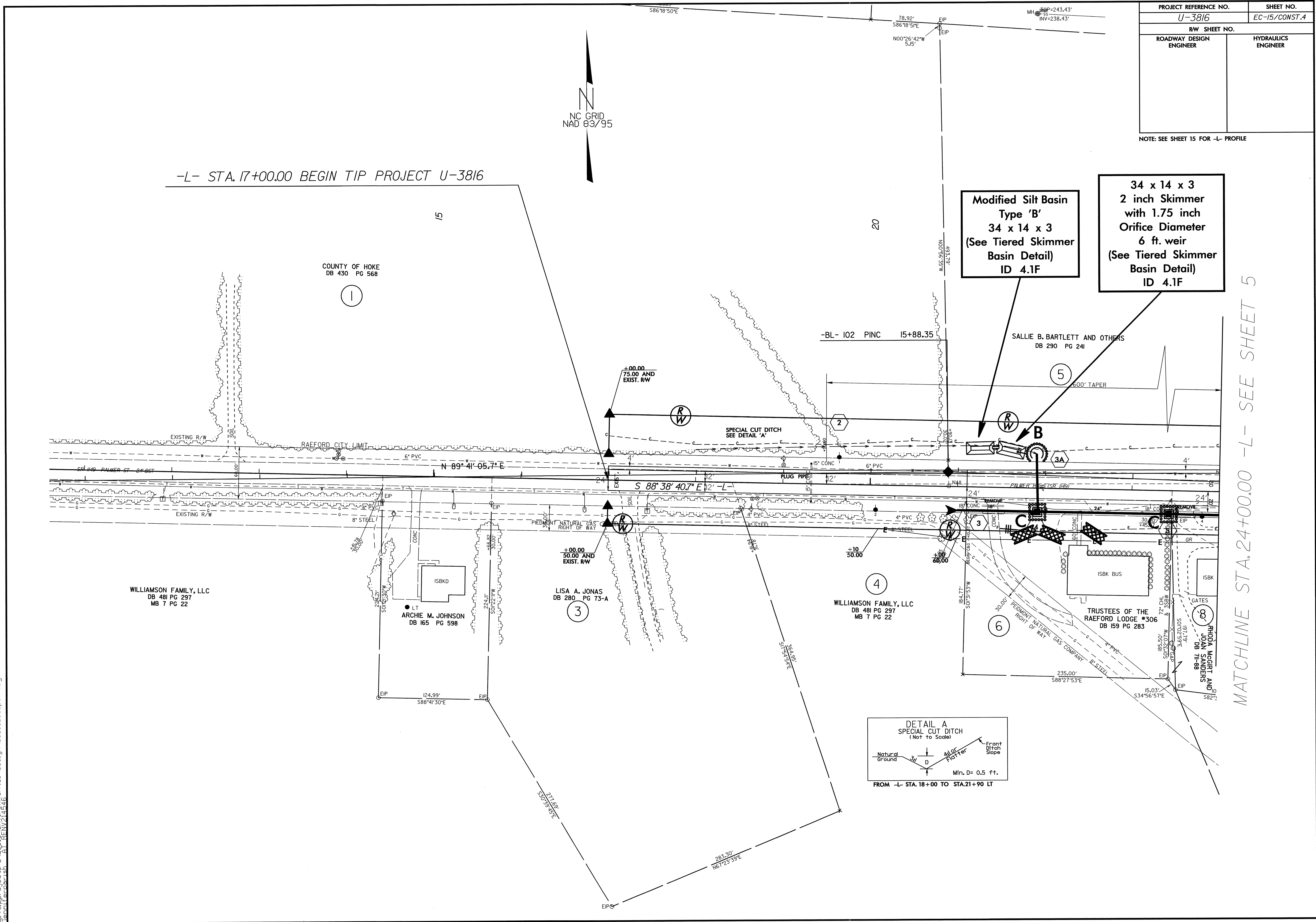
NOTE: SEE SHEET 15 FOR -L- PROFILE

-L- STA. 17+00.00 BEGIN TIP PROJECT U-3816

NC GRID
NAD 83/95

**Modified Silt Basin
Type 'B'
34 x 14 x 3
(See Tiered Skimmer
Basin Detail)
ID 4.1F**

**34 x 14 x 3
2 inch Skimmer
with 1.75 inch
Orifice Diameter
6 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 4.1F**

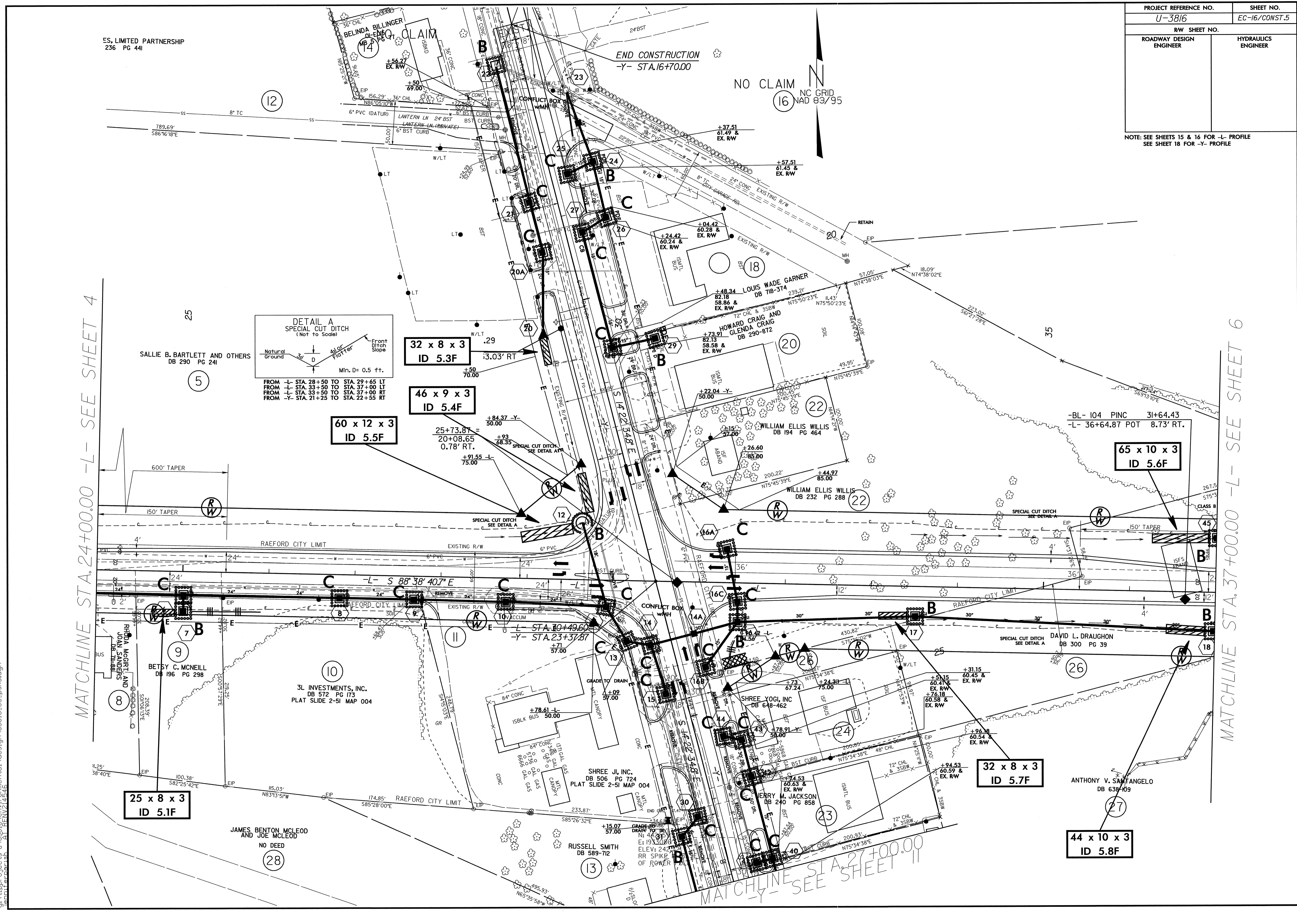


MATCHLINE STA. 24+00.00 -L- SEE SHEET 5

11-SEP-2007 10:47
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153816.dwg

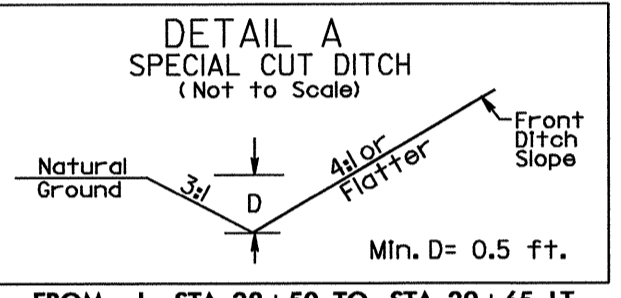
PROJECT REFERENCE NO. U-3816	SHEET NO. EC-16/CONST.5
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE: SEE SHEETS 15 & 16 FOR -L- PROFILE
SEE SHEET 18 FOR -Y- PROFILE



MATCHLINE STA. 24+00.00 -L- SEE SHEET 4

MATCHLINE STA. 37+00.00 -L- SEE SHEET 6



32 x 8 x 3
ID 5.3F

46 x 9 x 3
ID 5.4F

60 x 12 x 3
ID 5.5F

65 x 10 x 3
ID 5.6F

25 x 8 x 3
ID 5.1F

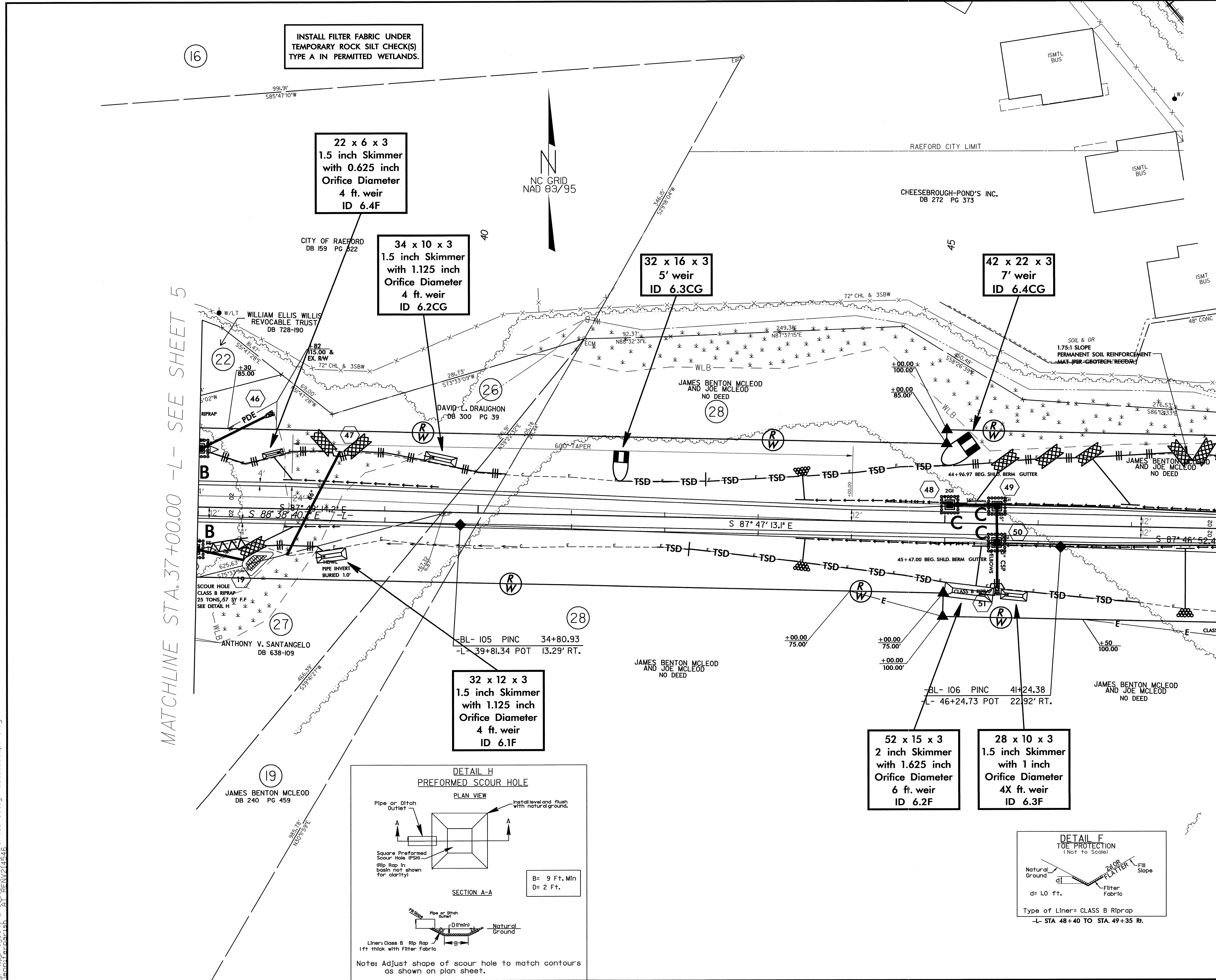
32 x 8 x 3
ID 5.7F

44 x 10 x 3
ID 5.8F

12-SEP-2007 08:19
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11-03816-ec-ph5.dwg

PROJECT REFERENCE NO. U-3816	SHEET NO. EC-17/CONST.6
R/W SHEET NO. ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE: SEE SHEET 16 FOR -L- PROFILE



INSTALL FILTER FABRIC UNDER TEMPORARY ROCK SILT CHECK(S) TYPE A IN PERMITTED WETLANDS.

22 x 6 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
4 ft. weir
ID 6.4F

34 x 10 x 3
1.5 inch Skimmer
with 1.125 inch
Orifice Diameter
4 ft. weir
ID 6.2CG

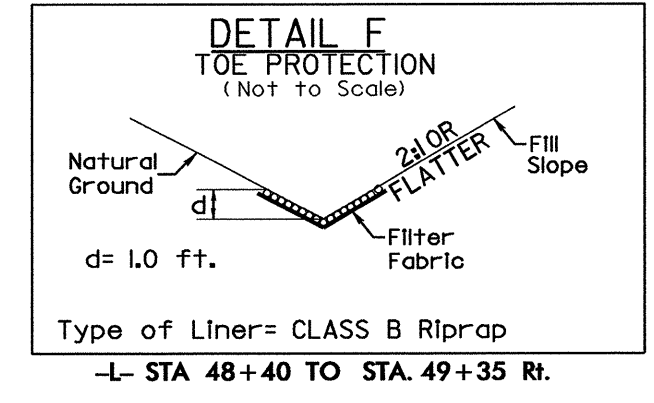
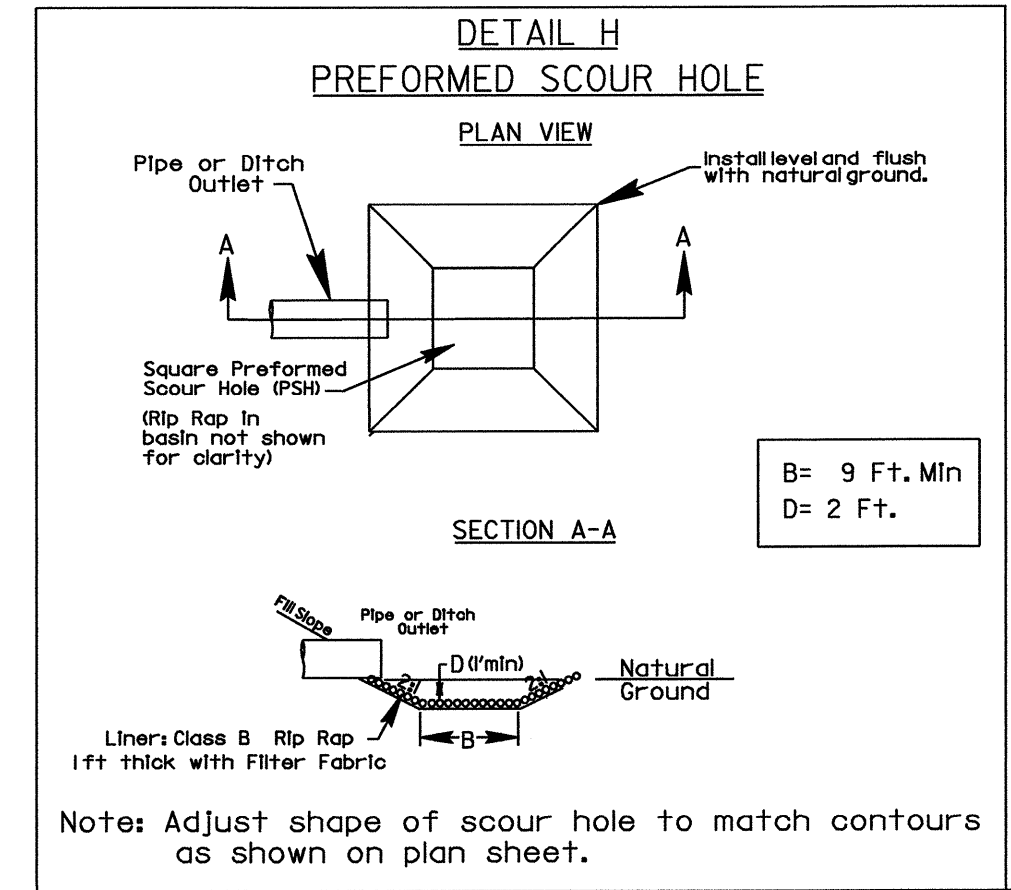
32 x 16 x 3
5' weir
ID 6.3CG

42 x 22 x 3
7' weir
ID 6.4CG

32 x 12 x 3
1.5 inch Skimmer
with 1.125 inch
Orifice Diameter
4 ft. weir
ID 6.1F

52 x 15 x 3
2 inch Skimmer
with 1.625 inch
Orifice Diameter
6 ft. weir
ID 6.2F

28 x 10 x 3
1.5 inch Skimmer
with 1 inch
Orifice Diameter
4X ft. weir
ID 6.3F



MATCHLINE STA. 37+00.00 -L- SEE SHEET 5

MATCHLINE STA. 48+00.00 -L- SEE SHEET 7

12-SEP-2007 11:45 95\\pplproj\projects\3816\env\p\environmental\design\3816.ec-psht6.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-3816	EC-18/CONST.7
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE: SEE SHEET 16 FOR -L- PROFILE

-RAILROAD-
 Pls Sta 15+14.04
 $\Delta = 5' 52' 45.2"$
 $Ls = 275.00'$
 $LT = 183.43'$
 $ST = 91.76'$

-RAILROAD-
 Pls Sta 17+44.55
 $\Delta = 1' 50' 22.4" (RT)$
 $D = 4' 16' 32.9"$
 $L = 276.90'$
 $T = 138.94'$
 $R = 1,340.00'$

-RAILROAD-
 Pls Sta 19+74.26
 $\Delta = 5' 52' 45.2"$
 $Ls = 275.00'$
 $LT = 183.43'$
 $ST = 91.76'$

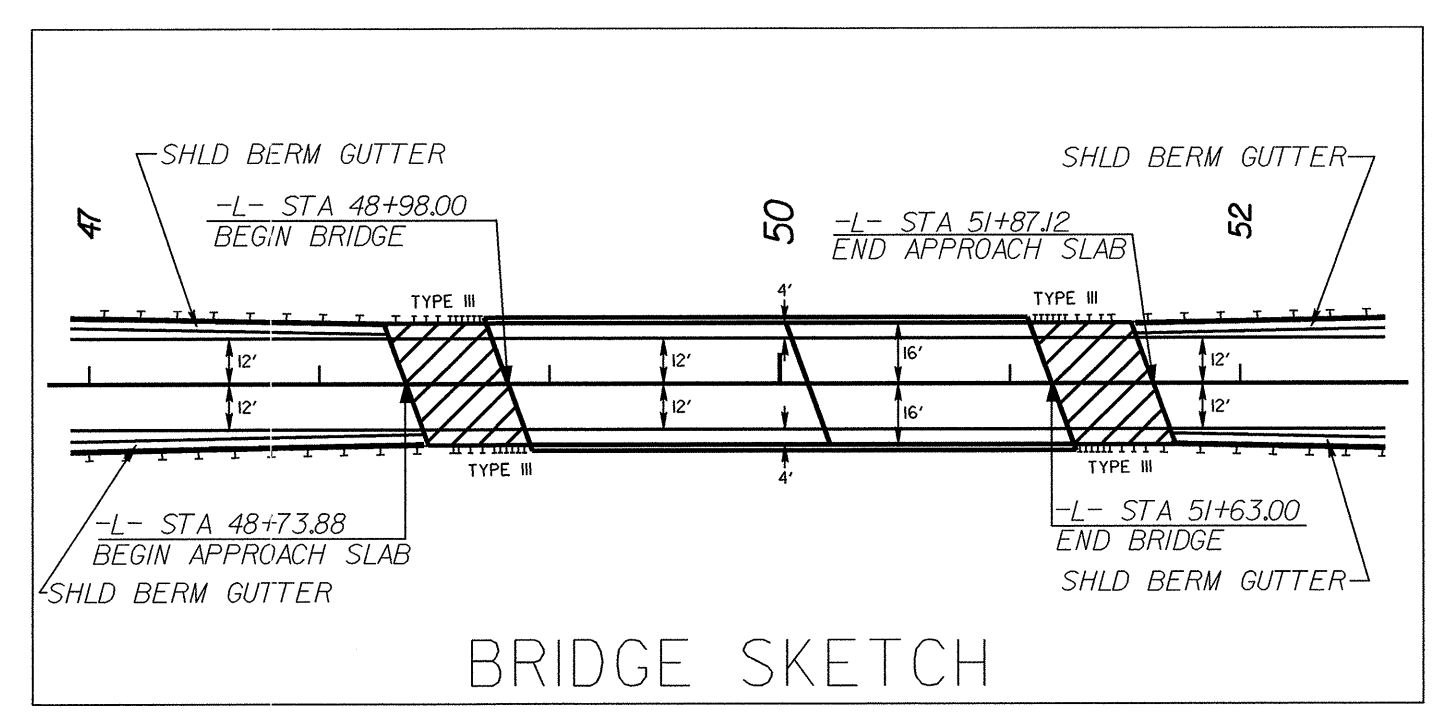
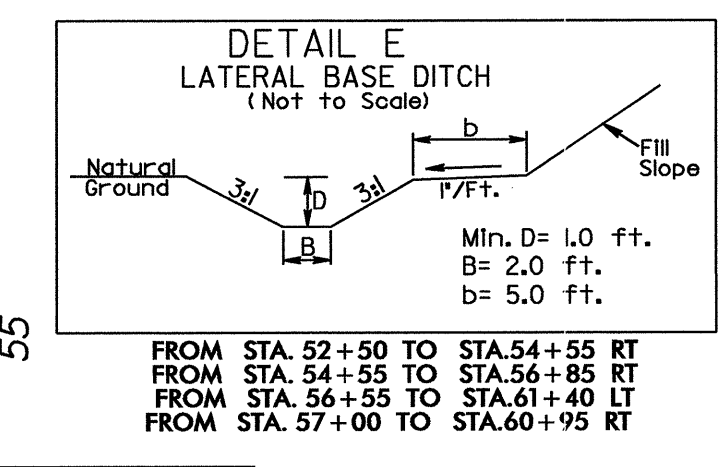
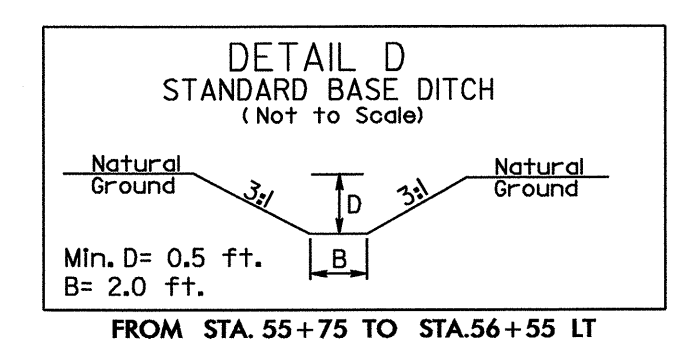
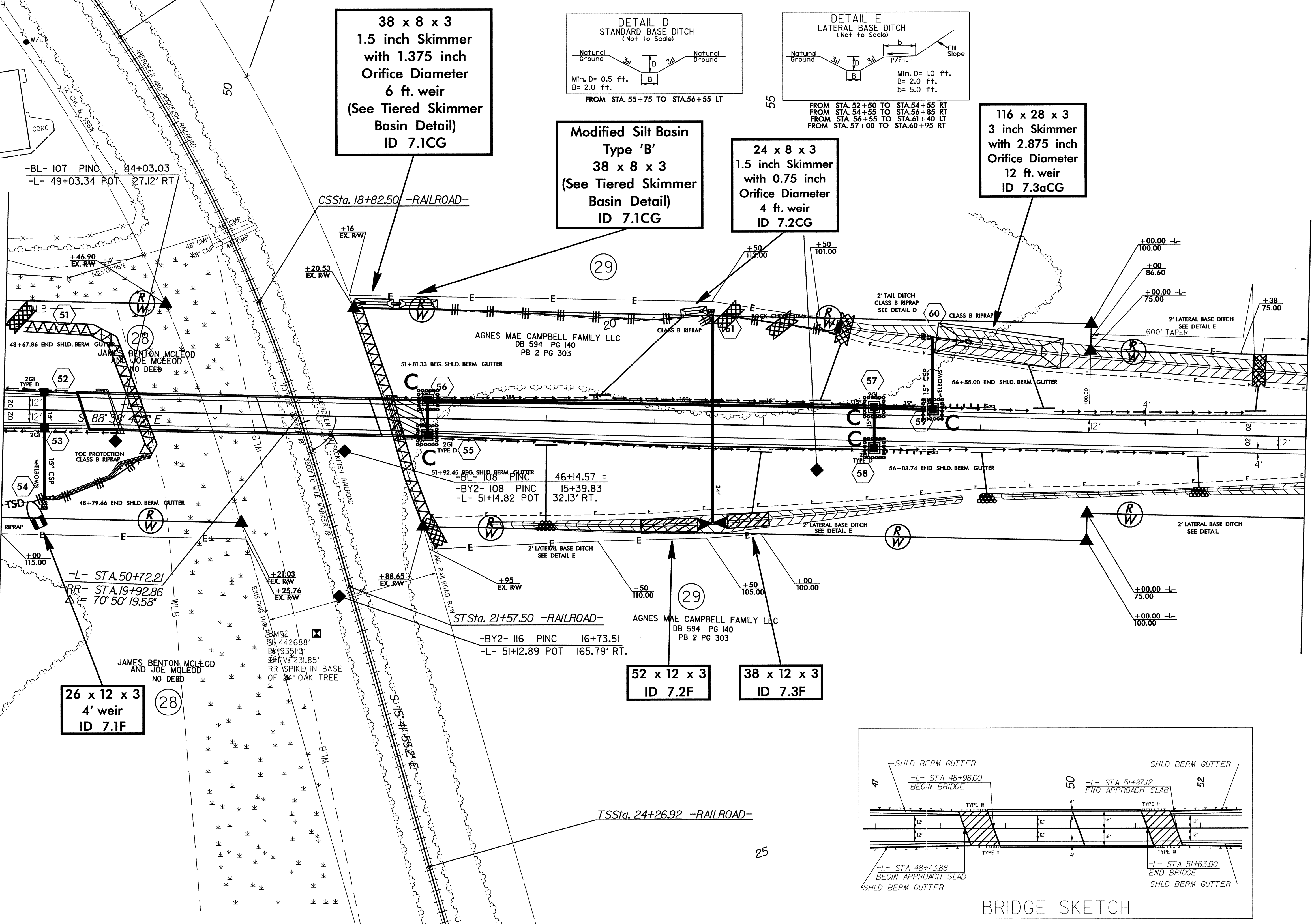
-RAILROAD-
 Pls Sta 25+93.66
 $\Delta = 5' 12' 31.3"$
 $Ls = 250.00'$
 $LT = 166.74'$
 $ST = 83.40'$

-BY2- 115 PINC 10+04.48
 -L- 48+48.57 POT 432.32' LT.

SCSta. 16+05.60 -RAILROAD-

-BL- 107 PINC 44+03.03
 -L- 49+03.34 POT 271.2' RT.

MATCHLINE STA. 48+00.00 -L- SEE SHEET 6



MATCHLINE STA. 60+00.00 -L- SEE SHEET 8

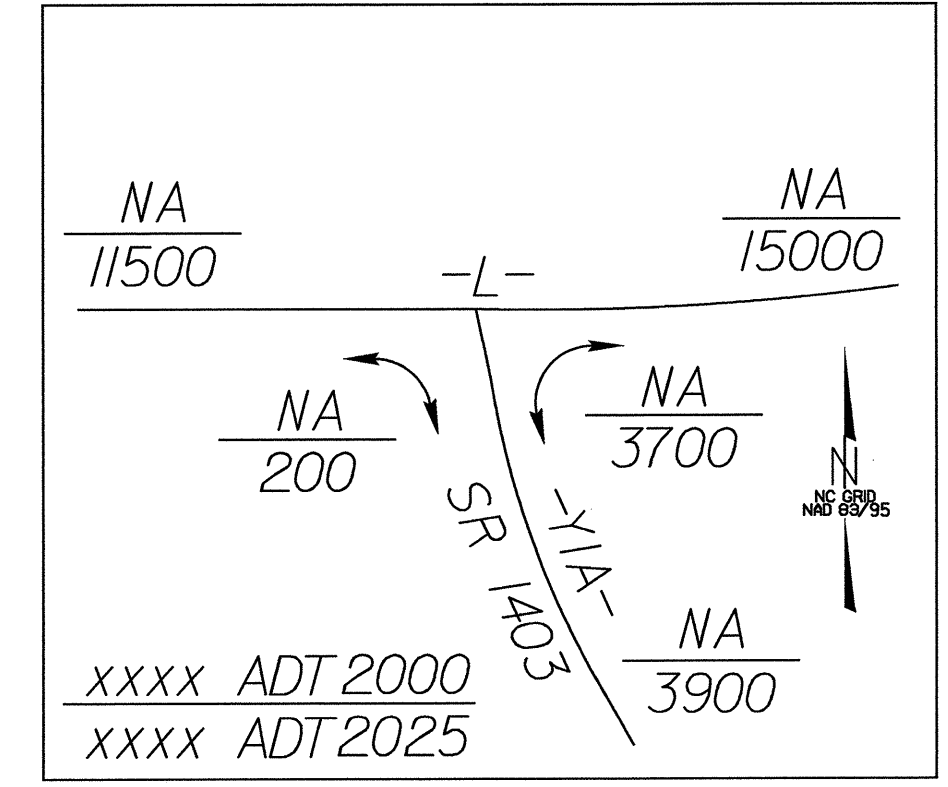
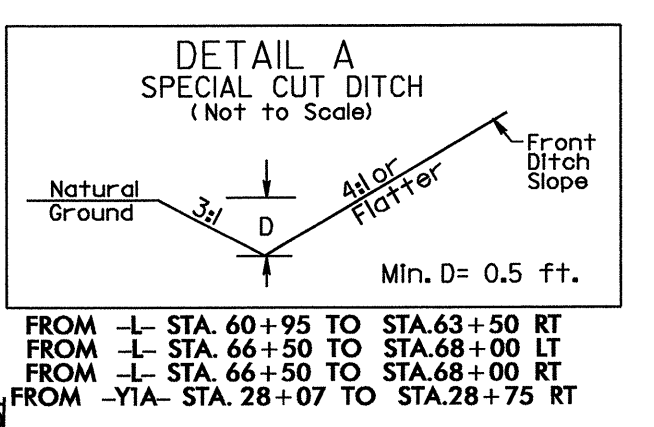
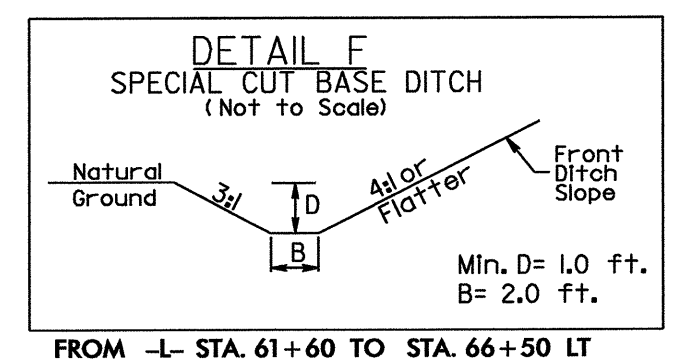
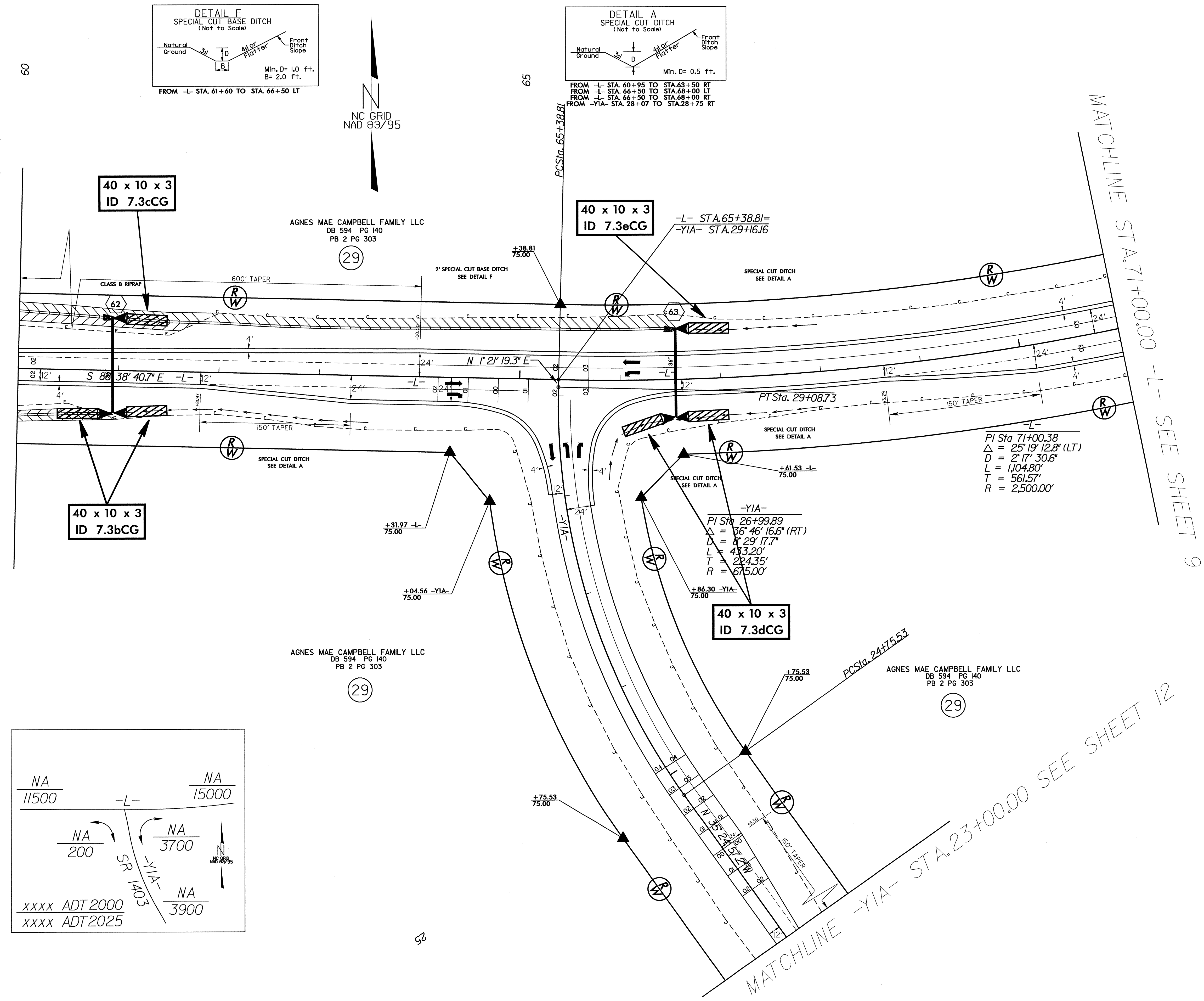
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PROJECT REFERENCE NO. U-3816	SHEET NO. EC-19/CONST.8
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE: SEE SHEETS 16 & 17 FOR -L- PROFILE
SEE SHEET 19 FOR -YIA- PROFILE

MATCHLINE STA.60+00.00 -L- SEE SHEET 7

MATCHLINE STA.71+00.00 -L- SEE SHEET 9

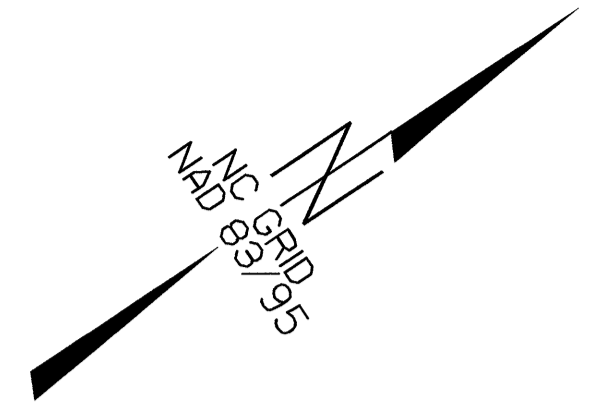


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PROJECT REFERENCE NO. U-3816	SHEET NO. EC-21/CONST.10
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE: SEE SHEET 17 FOR -L- PROFILE



MATCHLINE STA. 82+00.00 -L- SEE SHEET 9

AGNES MAE CAMPBELL FAMILY LLC
DB 594 PG 140
PB 2 PG 303

(29)

-L- STA. 87+50.00 END TIP PROJECT U-3816

-L-
PI Sta 82+67.46
 $\Delta = 37^{\circ} 03' 02.2''$ (LT)
D = 5' 43' 46.5"
L = 646.66'
T = 335.09'
R = 1,000.00'

-BL- III PINC 77+54.74
-L- 82+62.11 POC 43.47' RT.

50 x 20 x 3
ID 10.1F

+50.00
75.00 AND
EXIST. RW

54 x 12 x 3
ID 10.2F

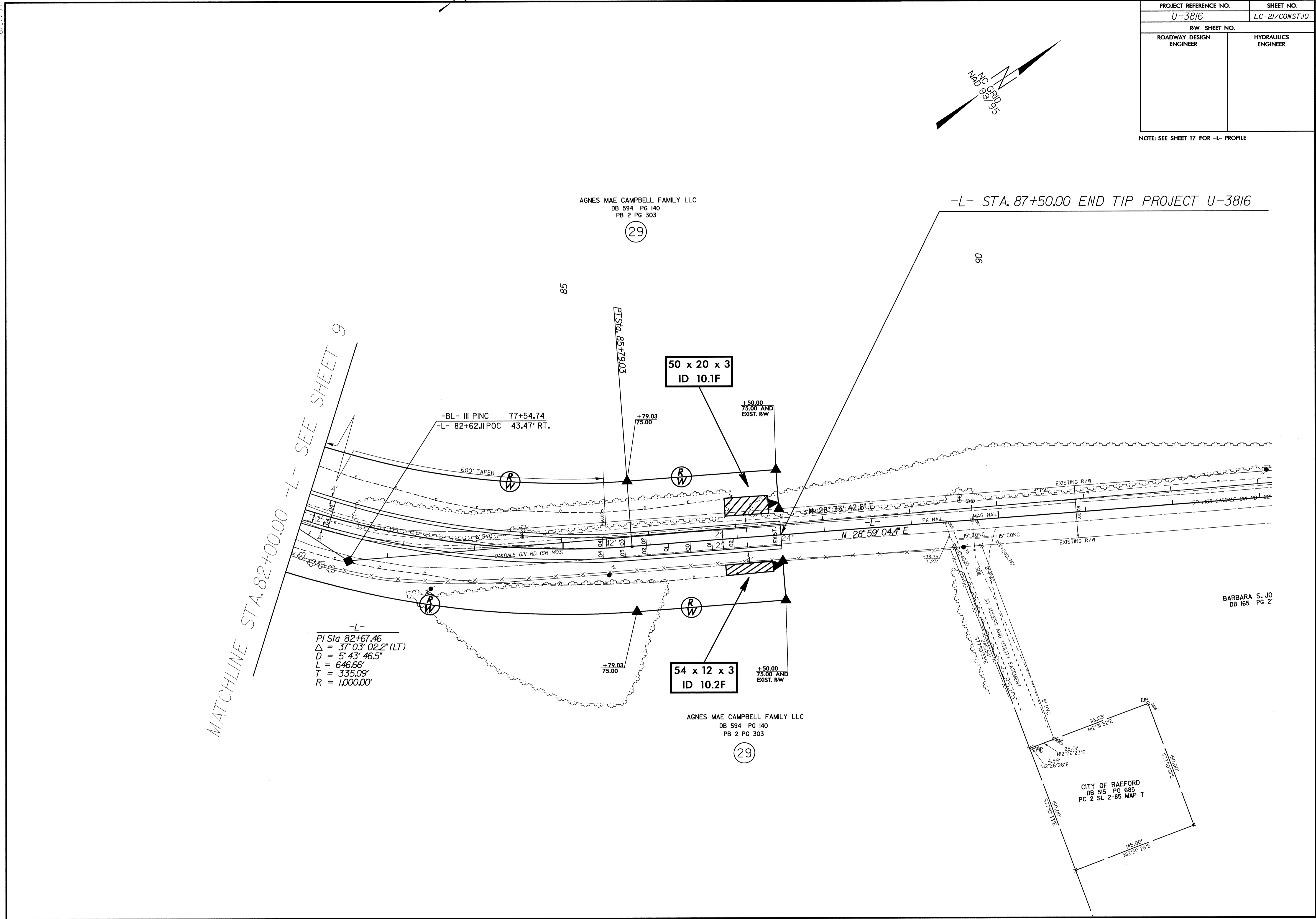
+50.00
75.00 AND
EXIST. RW

AGNES MAE CAMPBELL FAMILY LLC
DB 594 PG 140
PB 2 PG 303

(29)

BARBARA S. JO
DB 165 PG 2

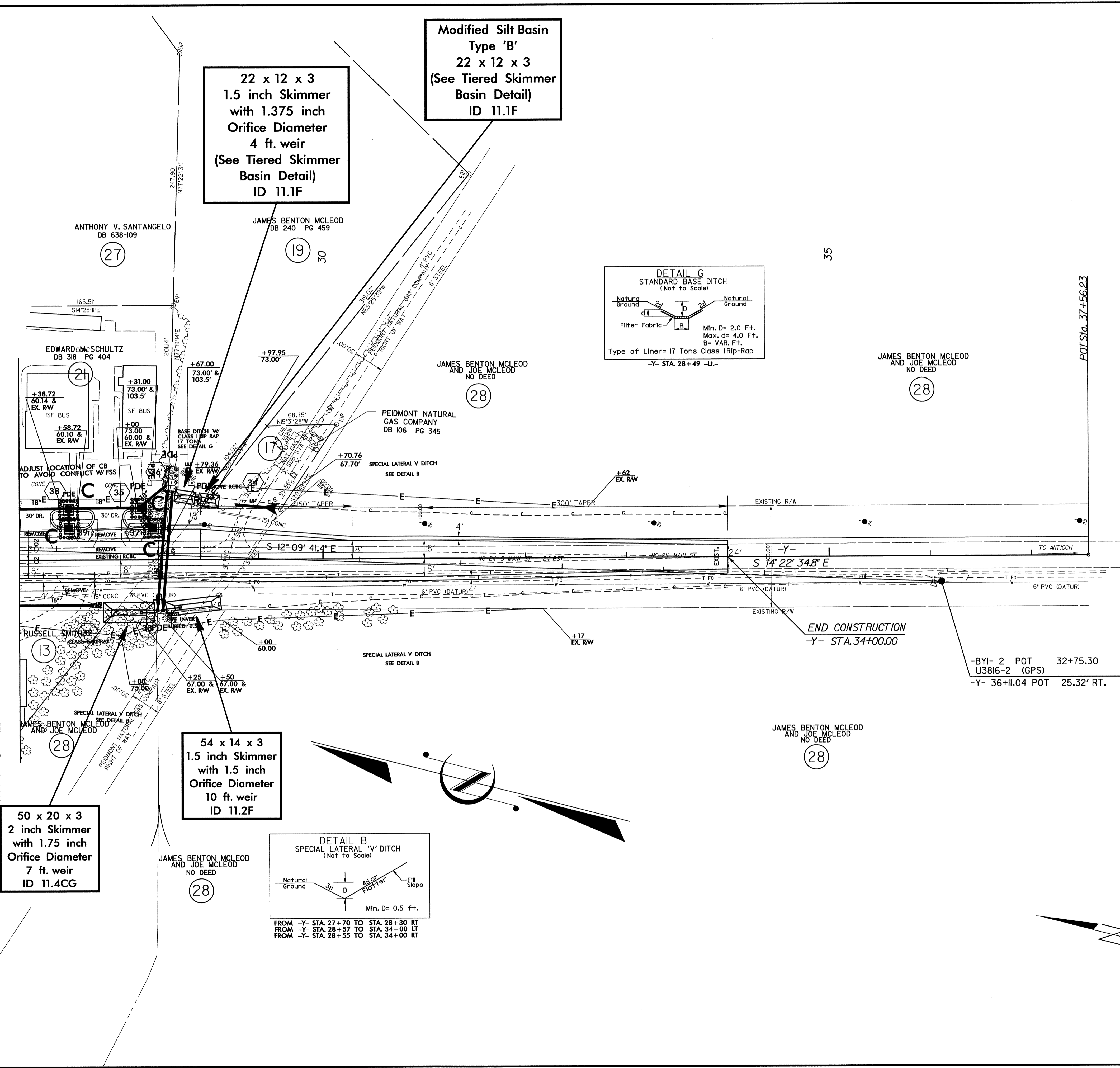
CITY OF RAEFORD
DB 515 PG 685
PC 2 SL 2-85 MAP 7



PROJECT REFERENCE NO. U-3816	SHEET NO. EC-22/CONST.11
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE: SEE SHEET 18 FOR -Y- PROFILE

MATCHLINE STA. 27+00.00 -Y- SEE SHEET 5

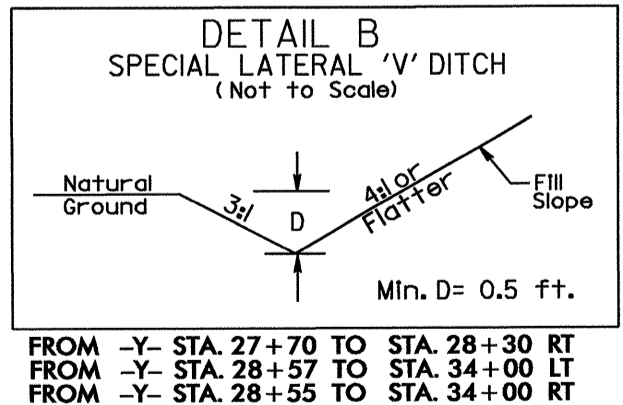
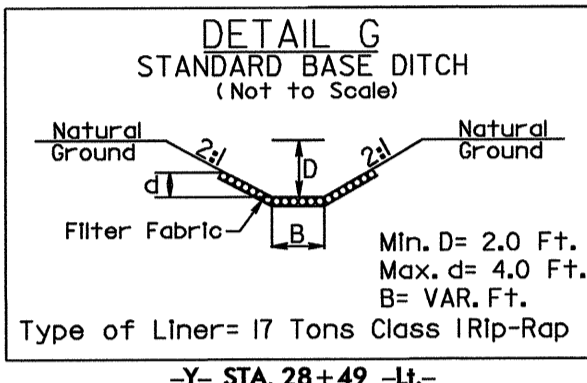


22 x 12 x 3
1.5 inch Skimmer
with 1.375 inch
Orifice Diameter
4 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 11.1F

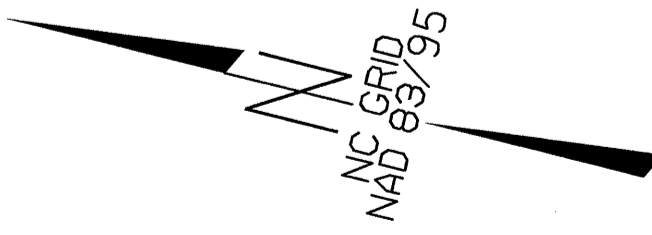
Modified Silt Basin
Type 'B'
22 x 12 x 3
(See Tiered Skimmer
Basin Detail)
ID 11.1F

50 x 20 x 3
2 inch Skimmer
with 1.75 inch
Orifice Diameter
7 ft. weir
ID 11.4CG

54 x 14 x 3
1.5 inch Skimmer
with 1.5 inch
Orifice Diameter
10 ft. weir
ID 11.2F

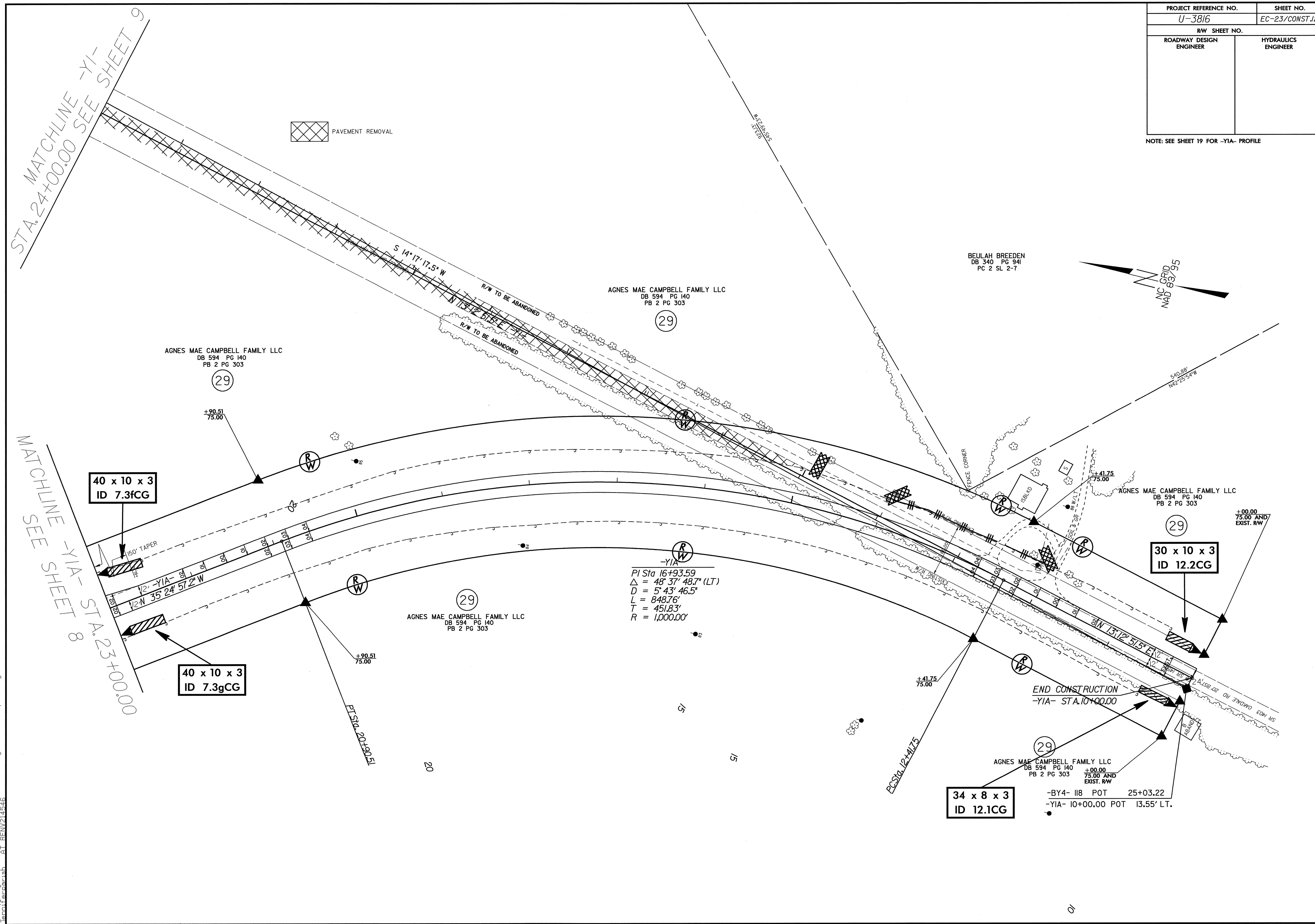


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11-SEP-2007 10:11
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PROJECT REFERENCE NO.		SHEET NO.	
U-3816		EC-23/CONST.12	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

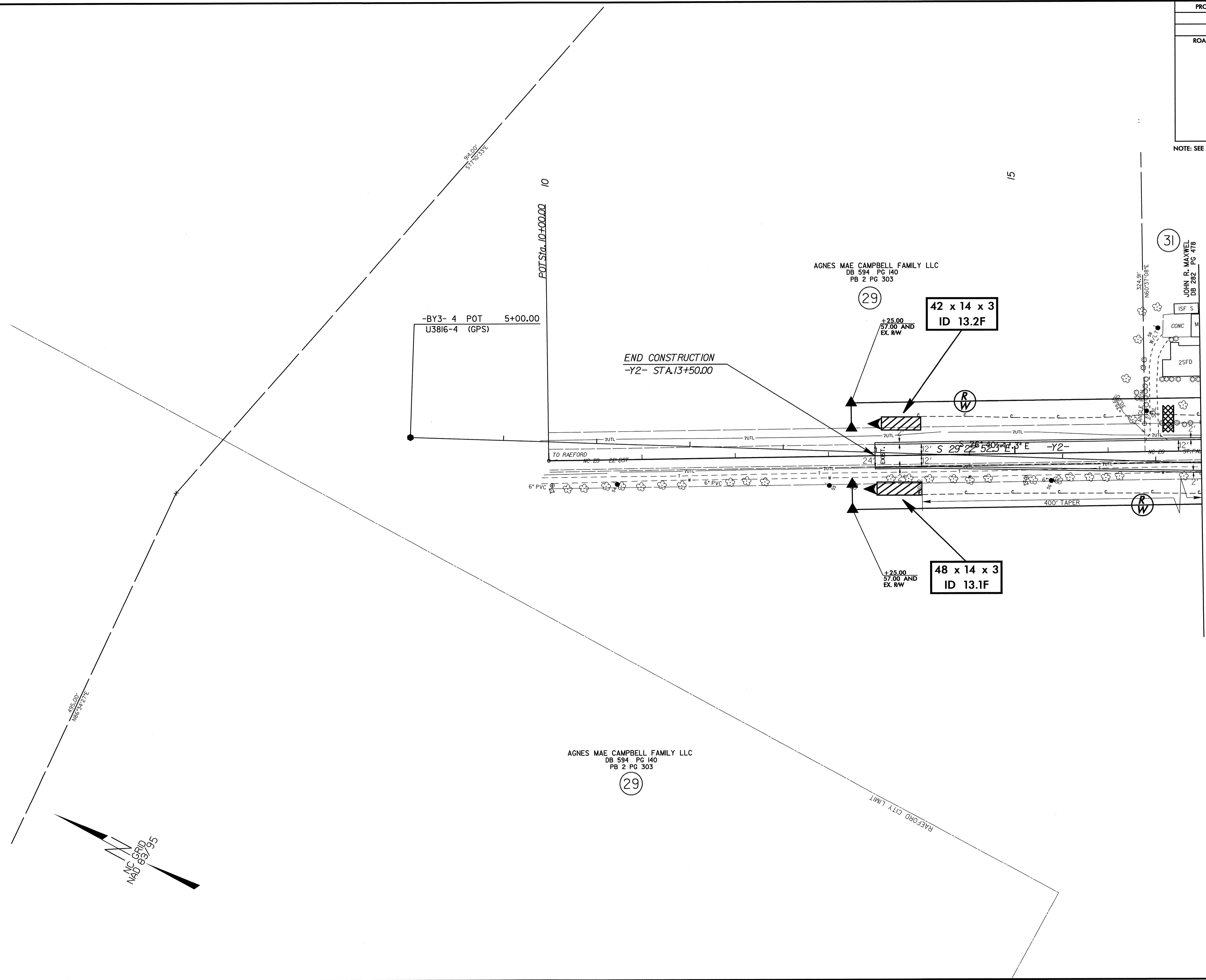
NOTE: SEE SHEET 19 FOR -YIA- PROFILE



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 21/15/48

PROJECT REFERENCE NO.	SHEET NO.
U-3816	EC-24/CONST.J3
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE: SEE SHEET 20 FOR -Y2- PROFILE



MATCHLINE -Y2- STA. 17+00.00 SEE SHEET 9

70

I2-SEP-2007 09:11
g:\hippo\o\ec\3816\environmental\design\3816_ec_psh13.dgn
jennifer@ecfish.com

485.00'
N65° 07' 27.72"

NAD 83/95

-BY3- 4 POT 5+00.00
U3816-4 (GPS)

END CONSTRUCTION
-Y2- STA. 13+50.00

AGNES MAE CAMPBELL FAMILY LLC
DB 594 PG 140
PB 2 PG 303

(29)

42 x 14 x 3
ID 13.2F

+25.00
57.00 AND
EX. RW

(R/W)

+25.00
57.00 AND
EX. RW

48 x 14 x 3
ID 13.1F

(R/W)

AGNES MAE CAMPBELL FAMILY LLC
DB 594 PG 140
PB 2 PG 303

(29)

RAEFORD CITY LIMIT

(31)
JOHN R. MAXWELL
DB 282 PG 478

324.91'
N60° 37' 08"E

ISF S

CONC M

2SFD

W.L.T.

24'

12'

12'

400' TAPER

NO. 20

57.75'

2'

2'

2'

2'

2'

2'

2'

2'

2'

2'

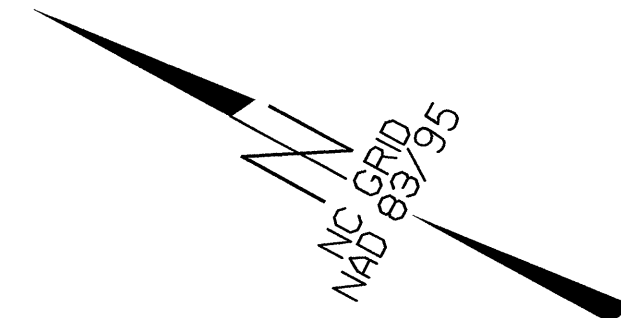
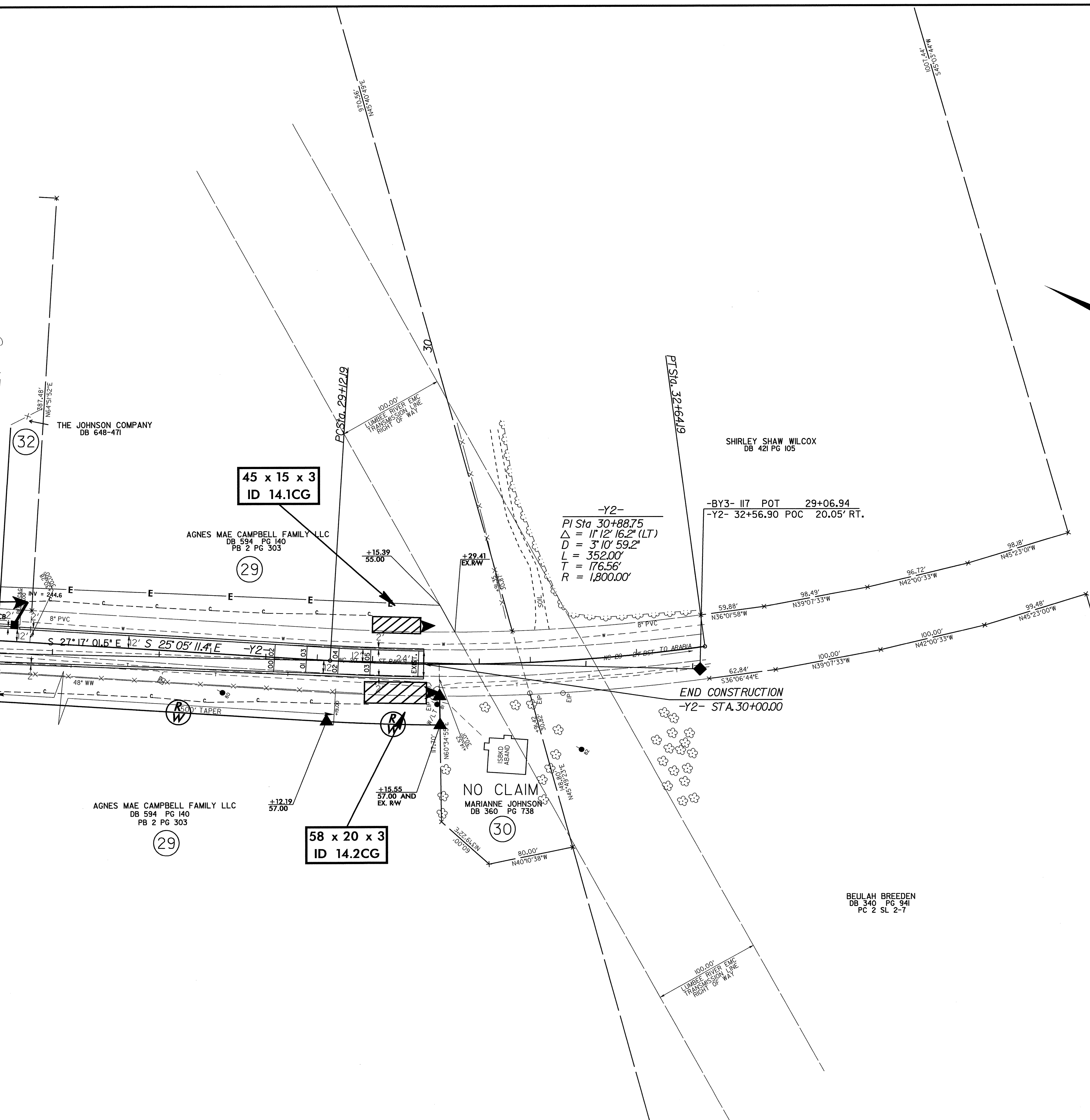
2'

2'

PROJECT REFERENCE NO.	SHEET NO.
U-3816	EC-25/CONST.14
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE: SEE SHEET 20 FOR -Y2- PROFILE

MATCHLINE -Y2- STA. 26+00.00 SEE SHEET 9



-Y2-
 PI Sta 30+88.75
 $\Delta = 11^{\circ}12'16.2''$ (LT)
 $D = 3^{\circ}10'59.2''$
 $L = 352.00'$
 $T = 176.56'$
 $R = 1,800.00'$

-BY3- I17 POT 29+06.94
 -Y2- 32+56.90 POC 20.05' RT.

END CONSTRUCTION
 -Y2- STA. 30+00.00

12-SEP-2007 10:01
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