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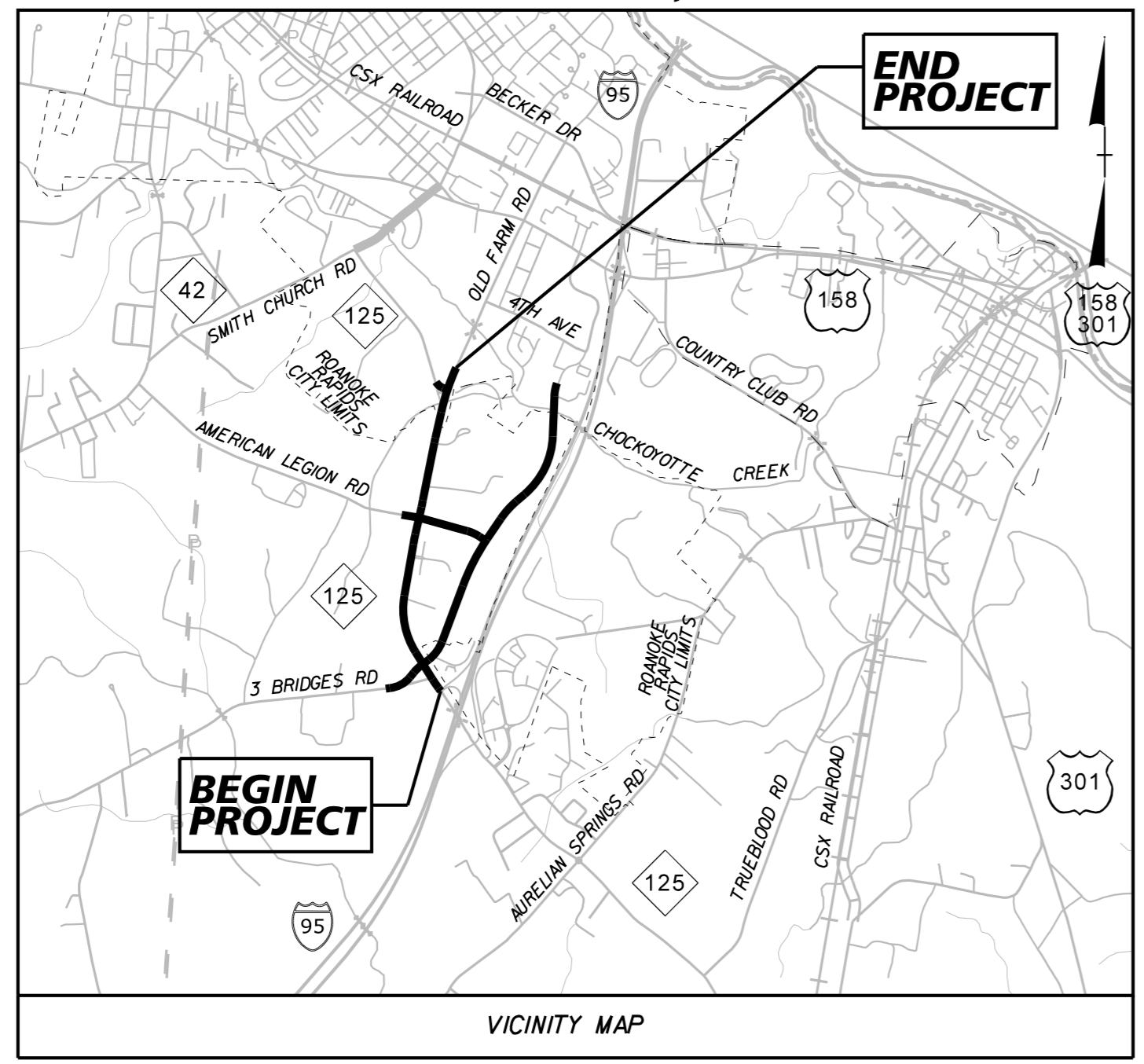
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09/08/99

TIP PROJECTS: U-5725/R-3822

See Sheet 1A For Index of Sheets
See Sheet 1B For Conventional Plan Sheet Symbols



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

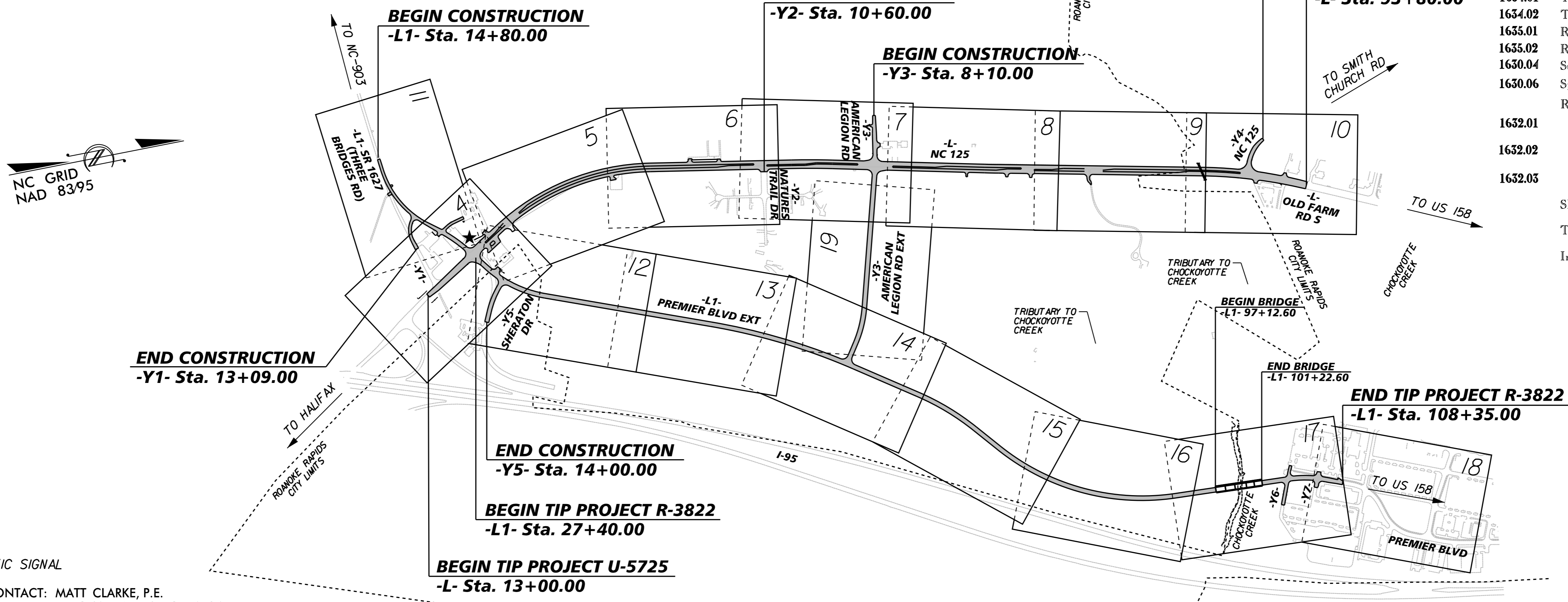
LOCATION: NC 125 FROM I-95 TO OLD FARM ROAD SOUTH, SR 1627 (THREE BRIDGES ROAD) FROM NC 125 TO PREMIER BOULEVARD
TYPE OF WORK: GRADING, DRAINAGE, PAVING, SIGNING, SIGNALS, AND STRUCTURES

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-5725/R-3822	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
37765.1.6		P.E.	
50162.1.1		P.E.	

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

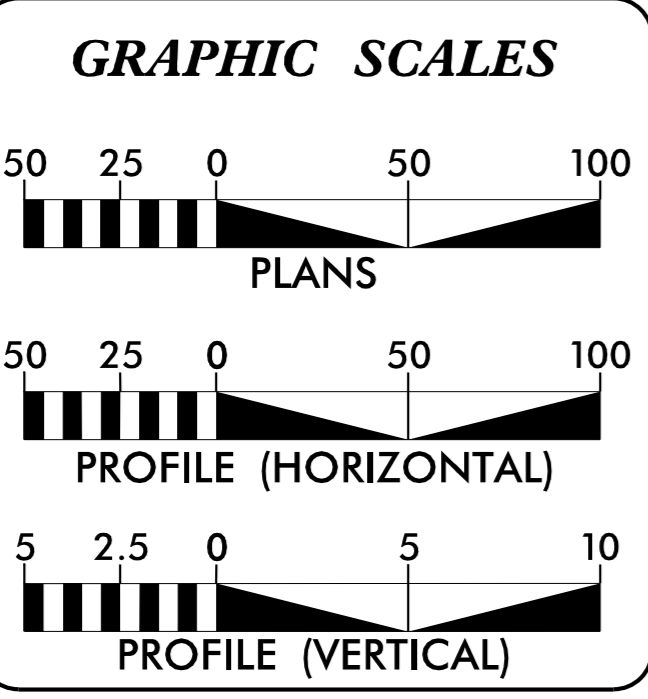
EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1630.05	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	
1630.02	Silt Basin Type B	
1633.01	Temporary Rock Silt Check Type-A	
	Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	
1633.02	Temporary Rock Silt Check Type-B	
	Wattle/Coir Fiber Wattle	
	Wattle/Coir Fiber Wattle with Polyacrylamide (PAM)	
1634.01	Temporary Rock Sediment Dam Type-A	
1634.02	Temporary Rock Sediment Dam Type-B	
1635.01	Rock Pipe Inlet Sediment Trap Type-A	
1635.02	Rock Pipe Inlet Sediment Trap Type-B	
1630.04	Stilling Basin	
1630.06	Special Stilling Basin	
Rock Inlet Sediment Trap:		
1632.01	Type A	
1632.02	Type B	
1632.03	Type C	
	Skimmer Basin	
	Tiered Skimmer Basin	
	Infiltration Basin	



★ TRAFFIC SIGNAL
NCDOT CONTACT: MATT CLARKE, P.E.
DIVISION 4, PROJECT ENGINEER
(252) 640-6419

CLEARING ON THIS PROJECT SHALL
BE PERFORMED TO THE LIMITS
ESTABLISHED BY METHOD II
A PORTION OF THIS PROJECT IS WITHIN
THE MUNICIPAL BOUNDARIES OF THE
CITY OF ROANOKE RAPIDS



THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH THE REGULATIONS SET FORTH BY THE NCG-010000 GENERAL CONSTRUCTION PERMIT EFFECTIVE AUGUST 1, 2016 AND ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES DIVISION OF WATER RESOURCES.

Prepared in the Office of:

Kimley»Horn

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NC LICENSE #F-0102
P.O. BOX 33068
RALEIGH, NORTH CAROLINA 27636
PHONE: (919) 677-2000

Designed by:
BRYAN VICKERY, P.E. 3749
NAME LEVEL III CERTIFICATION NO.

Reviewed in the Office of:

ROADSIDE ENVIRONMENTAL UNIT

1 South Wilmington St.
Raleigh, NC 27611

2018 STANDARD SPECIFICATIONS

Reviewed by:
WES CHANDLER, P.E.

Roadway Standard Drawings

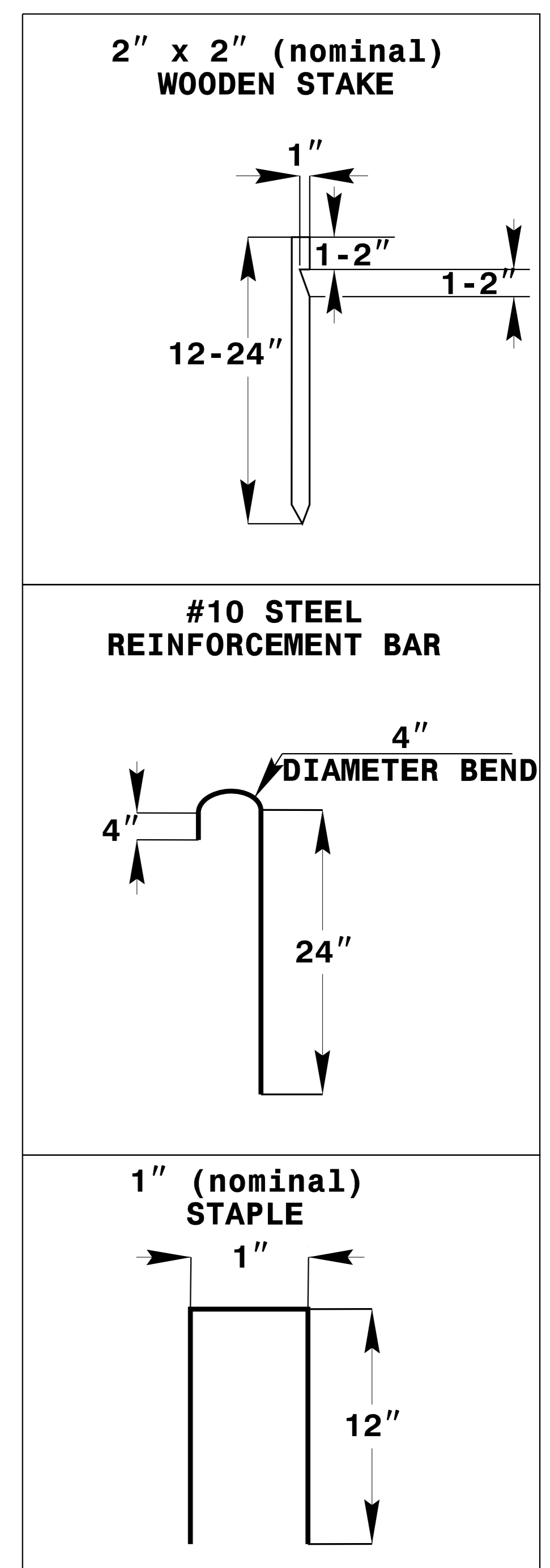
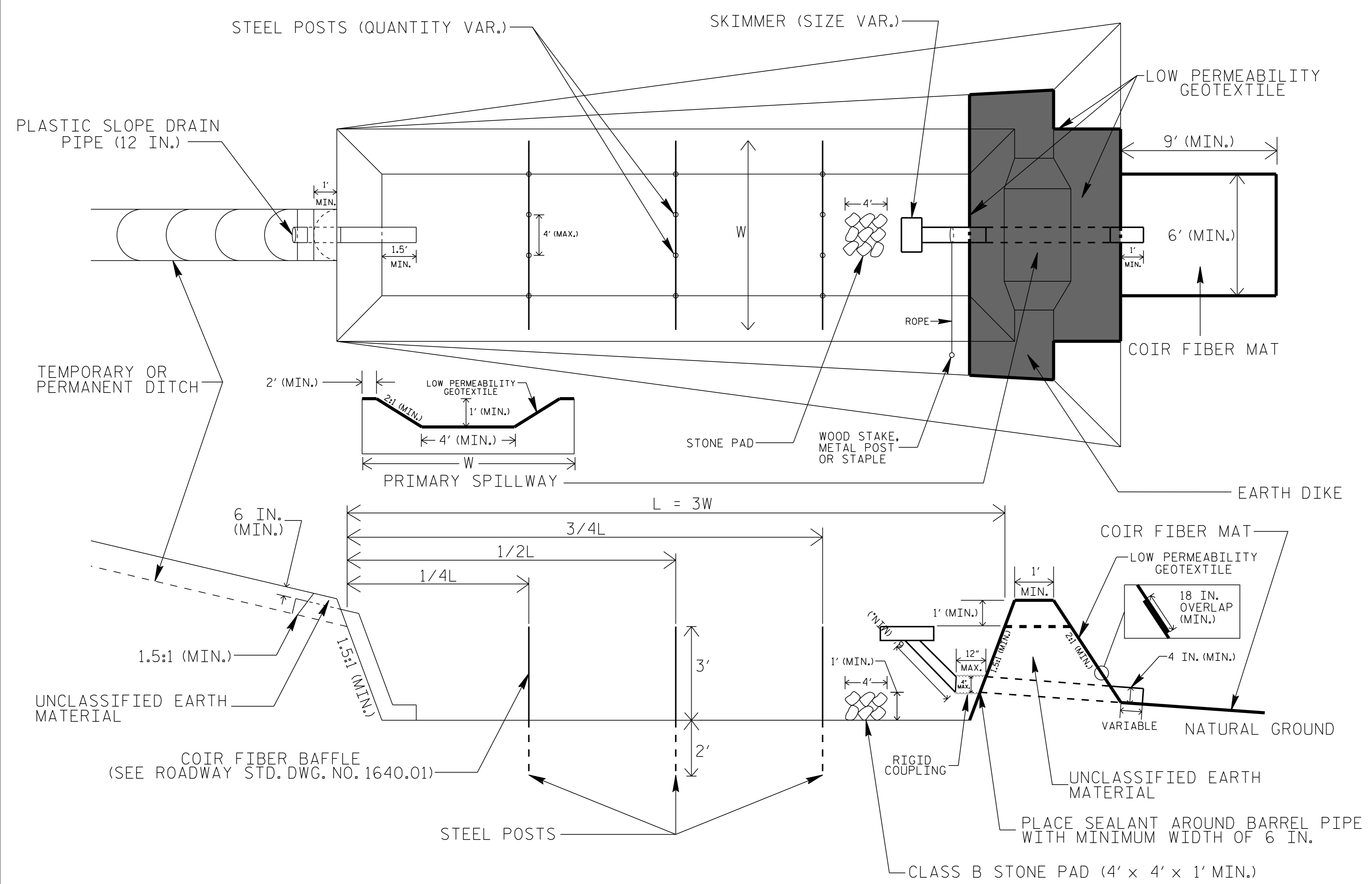
The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 2018 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

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		

6/28/2018 K:\RAL_Roadway\01036392 - R-3822 and U-5725\Erosion Control\PS\AR-3822_ero_tshdgn

Kimley » Horn <small>©2016</small> P.O. BOX 33068 • RALEIGH, N.C. 27636-3068	
PROJECT REFERENCE NO. U-5725/R-3822	SHEET NO. EC-2
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

SKIMMER BASIN WITH BAFFLES DETAIL (EAST)



COIR FIBER MAT ANCHOR OPTIONS

NOTES

1. SEED AND PLACE MATTING FOR EROSION CONTROL ON INTERIOR AND EXTERIOR SIDESLOPES.
2. LIMIT EARTH DIKE HEIGHT TO 5 FT.
3. FOR BASIN DEPTH OF 3 FT., THE MINIMUM BASIN WIDTH SHALL BE 9 FT.
4. DETERMINE PRIMARY SPILLWAY WEIR LENGTH (FT.) USING $Q/0.8$, WHERE Q IS FLOW RATE (CFS) INTO BASIN.
5. PLASTIC SLOPE DRAIN PIPE AT INLET OF BASIN MAY BE REPLACED BY FILTRATION GEOTEXTILE OR TARP AS DIRECTED.
6. LOW PERMEABILITY GEOTEXTILE FOR PRIMARY SPILLWAY SHALL BE ONE CONTINUOUS PIECE OF MATERIAL OR OVERLAPPED 18 IN. (MIN.).

PROJECT REFERENCE NO. U-5725/R-3822	SHEET NO. EC-2A
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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

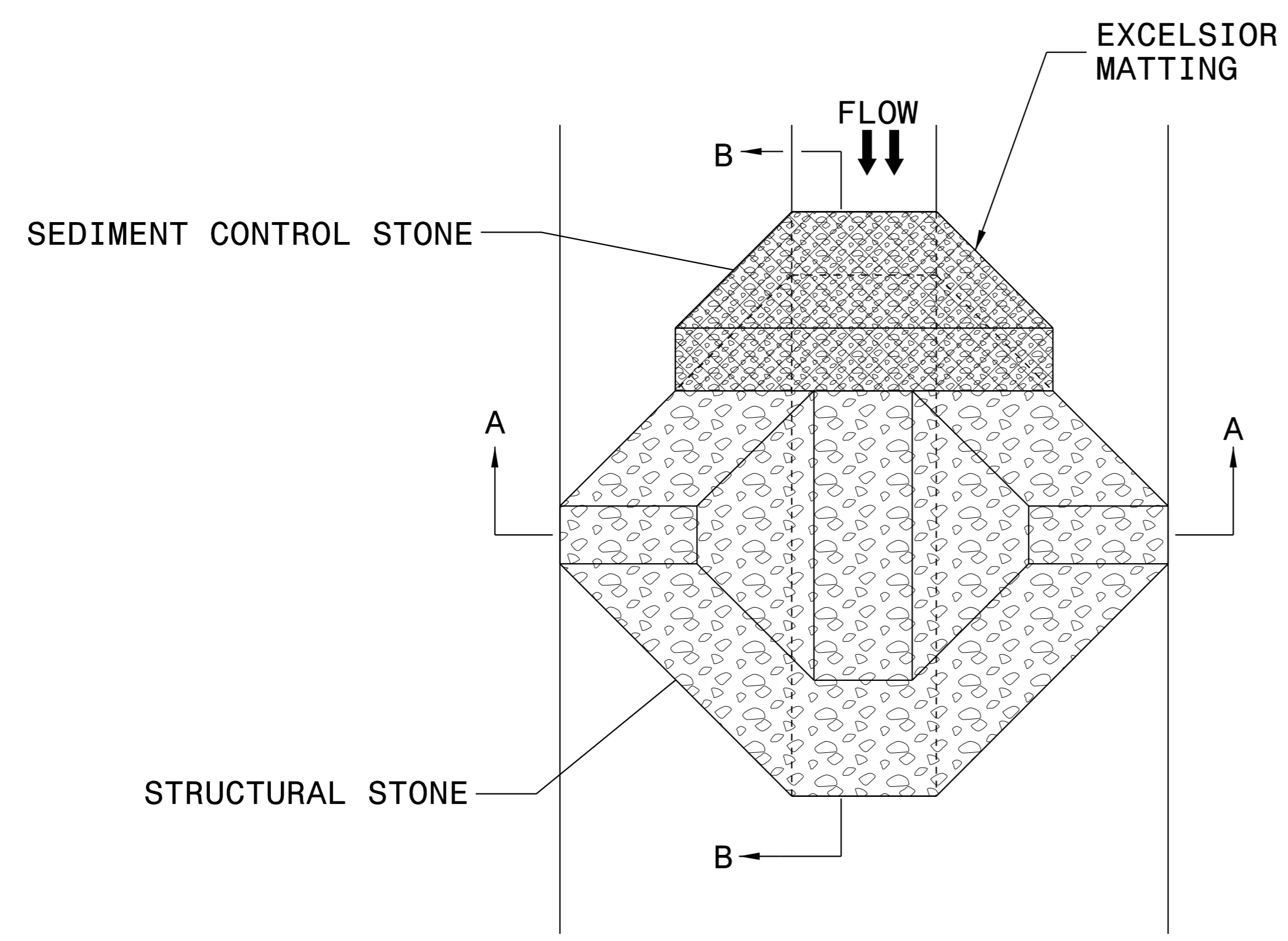
NOTES:

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

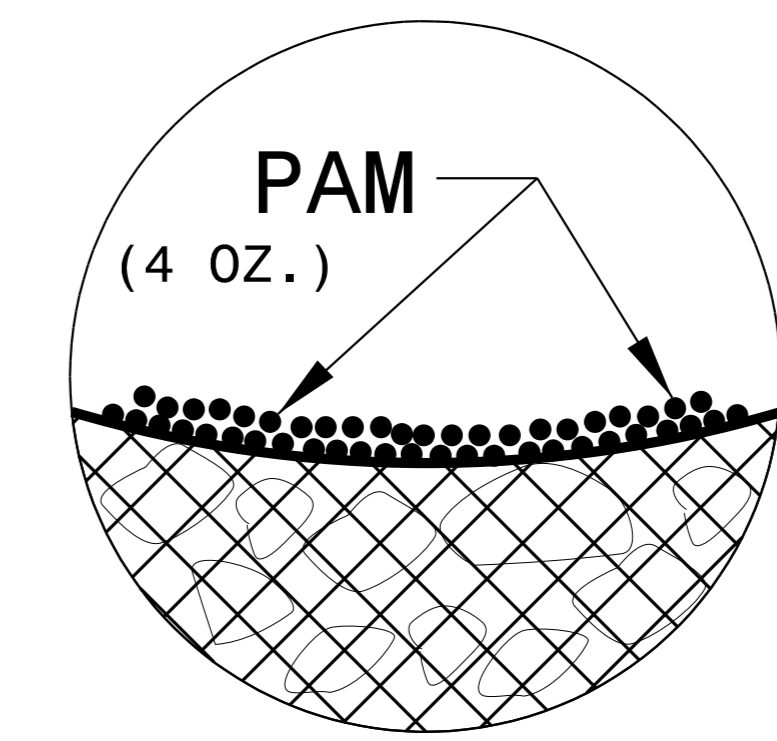
USE EXCELSIOR FOR MATTING MATERIAL AND ANCHOR MATTING SECTION AT TOP AND BOTTOM WITH CLASS B STONE.

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

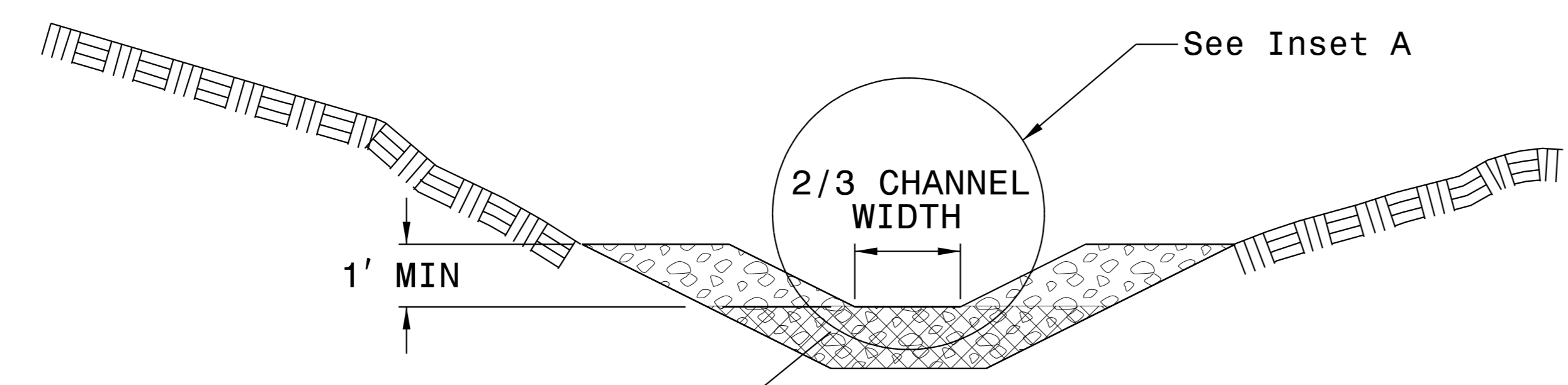
INITIALLY APPLY 4 OUNCES OF POLYACRYLAMIDE (PAM) TO TOP OF MATTING SECTION AND AFTER EVERY RAINFALL EVENT THAT EQUALS OR EXCEEDS 0.50 INCHES.



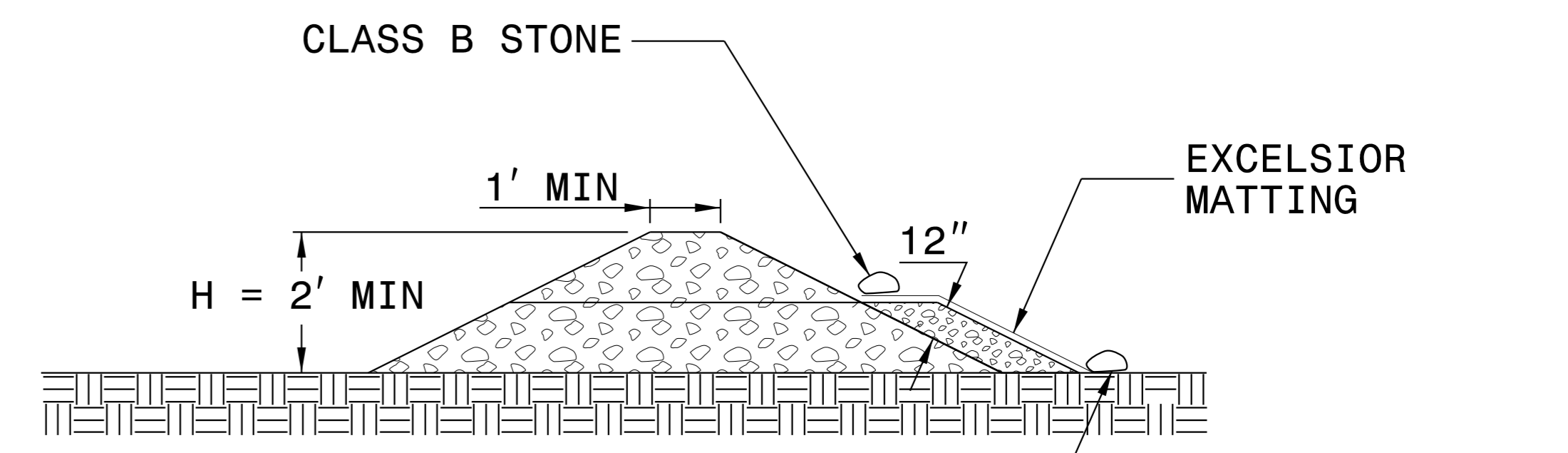
PLAN



INSET A



SECTION A-A



SECTION B-B

NOT TO SCALE

REVISIONS

5/14/99

6/28/2018

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SOIL STABILIZATION SUMMARY SHEET

MATTING FOR EROSION CONTROL

MATTING FOR EROSION CONTROL

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
SLOPES:					RT/LT
11	-L1-	15+00	17+50	RT	250
11	-L1-	19+00	20+50	RT	160
4	-L1-	21+50	23+00	RT	190
4	-L1-	28+00	30+00	RT	490
12	-L1-	31+50	38+50	RT	1620
12	-L1-	39+00	41+00	RT	440
13	-L1-	41+50	45+50	RT	960
14	-L1-	53+50	69+50	RT	5060
15	-L1-	71+50	81+50	RT	2180
16	-L1-	82+00	82+50	RT	520
16	-L1-	83+00	97+00	RT	5340
17	-L1-	101+50	103+00	RT	460
17	-L1-	104+00	104+50	RT	40
18	-L1-	107+00	108+00	RT	80
11	-L1-	25+00	26+00	LT	220
4	-L1-	28+00	28+50	LT	50
12	-L1-	30+50	33+50	LT	310
12	-L1-	34+00	35+50	LT	150
12	-L1-	36+00	37+50	LT	210
12	-L1-	37+50	41+00	LT	760
13	-L1-	41+00	44+50	LT	590
13	-L1-	47+00	50+00	LT	490
13	-L1-	52+50	61+00	LT	2150
14/15	-L1-	62+50	70+50	LT	1950
15	-L1-	71+50	76+50	LT	940
15	-L1-	77+00	78+50	LT	200
15	-L1-	78+50	80+50	LT	400
15/16	-L1-	80+50	81+00	LT	250
16	-L1-	81+00	83+00	LT	310

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
16	-L1-	83+00	97+00	LT	4010
17	-L1-	101+50	106+50	LT	860
SUBTOTAL					31640
SLOPES:					RT/LT
4	-L-	13+50	18+00	RT	880
4	-L-	19+00	19+50	RT	80
4/5	-L-	21+00	23+00	RT	390
5	-L-	23+50	24+00	RT	80
5	-L-	24+50	26+00	RT	200
5	-L-	27+50	30+50	RT	560
6	-L-	39+50	42+50	RT	610
7	-L-	47+00	48+50	RT	70
7	-L-	49+00	49+50	RT	60
8	-L-	57+00	65+00	RT	960
8	-L-	65+50	67+00	RT	180
8/9	-L-	70+00	74+00	RT	440
9	-L-	75+00	81+00	RT	1150
9/10	-L-	82+00	88+00	RT	1700
4	-L-	15+00	17+00	LT	250
4/5	-L-	21+00	29+50	LT	1830
6	-L-	30+50	35+00	LT	1080
7	-L-	48+00	50+50	LT	640
7	-L-	54+00	55+00	LT	110
7	-L-	56+50	57+00	LT	50
8	-L-	58+00	62+00	LT	370
8	-L-	62+50	64+00	LT	290
8	-L-	66+00	67+50	LT	290
8	-L-	68+00	68+50	LT	100
9	-L-	78+00	84+00	LT	1090

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DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SOIL STABILIZATION SUMMARY SHEET

MATTING FOR EROSION CONTROL

MATTING FOR EROSION CONTROL

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
10	-L-	84+50	87+50	LT	1320
10	-L-	89+50	91+00	LT	180
			SUBTOTAL		14960
SLOPES:				RT/LT	
7	-Y3-	11+00	12+50	RT	100
14	-Y3-	20+50	29+50	RT	2170
7	-Y3-	11+00	12+00	LT	130
14	-Y3-	21+00	22+50	LT	70
14	-Y3-	21+50	29+50	LT	2290
10	-Y4-	15+50	16+50	RT	440
10	-Y4-	15+50	16+00	LT	40
12	-Y5-	10+50	12+50	RT	330
12	-Y5-	13+50	14+00	RT	230
17	-Y6-	11+50	12+30	RT	210
			SUBTOTAL		6010
MISCELLANEOUS MATTING TO BE INSTALLED AS DIRECTED BY THE ENGINEER					5000
				TOTAL	57610
				SAY	57700

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
DITCHES:				RT/LT	
4	-L-	13+00	16+37	LT	730
4	-L-	16+37	17+50	LT	225
4	-L-/-L1-	13+00	17+50	RT	755
4/5	-L-	21+00	26+00	RT	880
4	-L-	27+75	29+00	RT	305
4	-DRWI-	11+07	12+50	LT	205
5	-L-	26+00	31+00	LT	615
5	-L-	33+00	35+00	LT	195
5	-L-	27+50	30+64	RT	460
5	-L-	30+75	32+25	RT	260
7	-L-	54+00	55+00	LT	70
7	-L-	48+50	49+75	RT	65
7	-Y3-	8+00	11+50	RT	370
8	-L-	58+00	60+50	LT	420
8	-L-	63+00	68+67	LT	915
8	-L-	57+00	68+50	RT	1940
8	-L-	69+00	73+50	RT	695
9	-L-	76+00	81+50	RT	1260
10	-L-	84+20	87+75	LT	1795
10	-L-	89+30	91+50	LT	460
11	-L1-	14+50	15+25	LT	125
11	-L1-	14+50	15+40	RT	130
11	-L1-	18+50	20+50	RT	310
11	-L1-	21+50	23+00	RT	255
12	-Y5-	10+80	12+50	RT	355
12	-Y5-	12+50	14+00	RT	210
				SUBTOTAL	14005

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7/5/2008

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SOIL STABILIZATION SUMMARY SHEET

MATTING FOR EROSION CONTROL

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
DITCHES:					RT/LT
12	-L1-	30+50	34+00	LT	530
12	-L1-	34+00	36+00	LT	420
12	-L1-	38+50	39+45	LT	125
12	-L1-	39+45	40+00	LT	65
12	-L1-	41+50	42+50	LT	150
13	-L1-	42+50	44+00	LT	235
13	-L1-	47+50	50+00	LT	435
13	-L1-	54+40	56+00	LT	170
14	-L1-	56+00	59+00	LT	370
14	-L1-	59+00	61+00	LT	310
14	-L1-	65+50	67+00	LT	180
14	-L1-	55+50	56+00	RT	70
14	-Y3-	28+00	29+25	RT	210
14	-Y3-	29+25	29+60	RT	70
15	-L1-	68+00	79+00	LT	1460
15	-L1-	79+60	81+50	LT	310
15	-L1-	70+50	75+00	RT	785
15	-L1-	75+75	79+50	RT	570
16	-L1-	82+50	87+50	LT	690
16	-L1-	87+50	88+50	LT	175
16	-L1-	88+50	94+00	LT	735
16	-L1-	81+50	82+10	RT	60
17	-L1-	94+00	95+50	LT	275
18	-Y3-	17+50	20+27	LT	350
17	-Y3-	20+27	21+00	LT	135
				SUBTOTAL	8885

MATTING FOR EROSION CONTROL

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
DITCHES:					RT/LT
17	-Y3-	20+50	23+50	RT	630
17	-Y3-	23+50	25+50	RT	210
17	-Y3-	26+00	28+00	RT	310
				SUBTOTAL	24040
MISCELLANEOUS MATTING TO BE INSTALLED AS DIRECTED BY THE ENGINEER					2000
				TOTAL	26040
				SAY	26100

PSRM FOR EROSION CONTROL

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
DITCHES:					RT/LT
4	-L1-	29+00	30+00	RT	295
9	-L-	73+50	74+00	RT	165
				SUBTOTAL	460
MISCELLANEOUS MATTING TO BE INSTALLED AS DIRECTED BY THE ENGINEER					525
				TOTAL	985
				SAY	1000

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6/28/2018

5/14/99

DIVISION OF HIGHWAYS
 STATE OF NORTH CAROLINA

SOIL STABILIZATION TIMEFRAMES

REVISIONS

<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.

6/28/2018

PI Sta 12+33.09
 $\Delta = 5'05'' 23.8''$ (RT)
 $D = 2'07'' 19.4''$
 $L = 239.86'$
 $T = 120.01'$
 $R = 2,700.00'$

PI Sta 29+17.86
 $\Delta = 4'55'' 36.6''$ (RT)
 $D = 2'51'' 53.2''$
 $L = 1,463.52'$
 $T = 766.26'$
 $R = 2,000.00'$
 $e = 4.0$
 $R_{s''} = 192'$

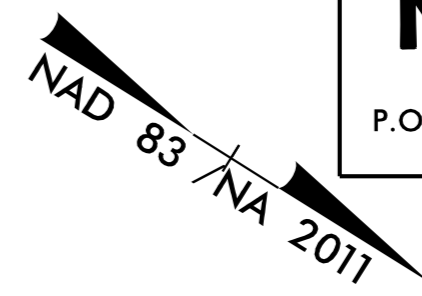
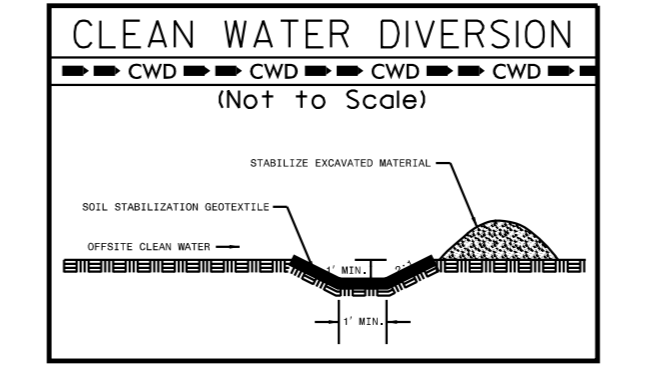
PI Sta 25+10.02
 $\Delta = 13'12'' 00.6''$ (RT)
 $D = 4'46'' 28.7''$
 $L = 276.46'$
 $T = 138.85'$
 $R = 1,200.00'$
 $e = 3.2$
 $R_{s''} = 64'$

PI Sta 31+76.35
 $\Delta = 32'06'' 43.9''$ (LT)
 $D = 5'43'' 46.5''$
 $L = 560.46'$
 $T = 287.81'$
 $R = 1,000.00'$
 $e = 3.6$
 $R_{s''} = 108'$

PI Sta 12+17.43
 $\Delta = 17'16'' 13.0''$ (LT)
 $D = 28'38'' 52.4''$
 $L = 60.28'$
 $T = 30.37'$
 $R = 200.00'$

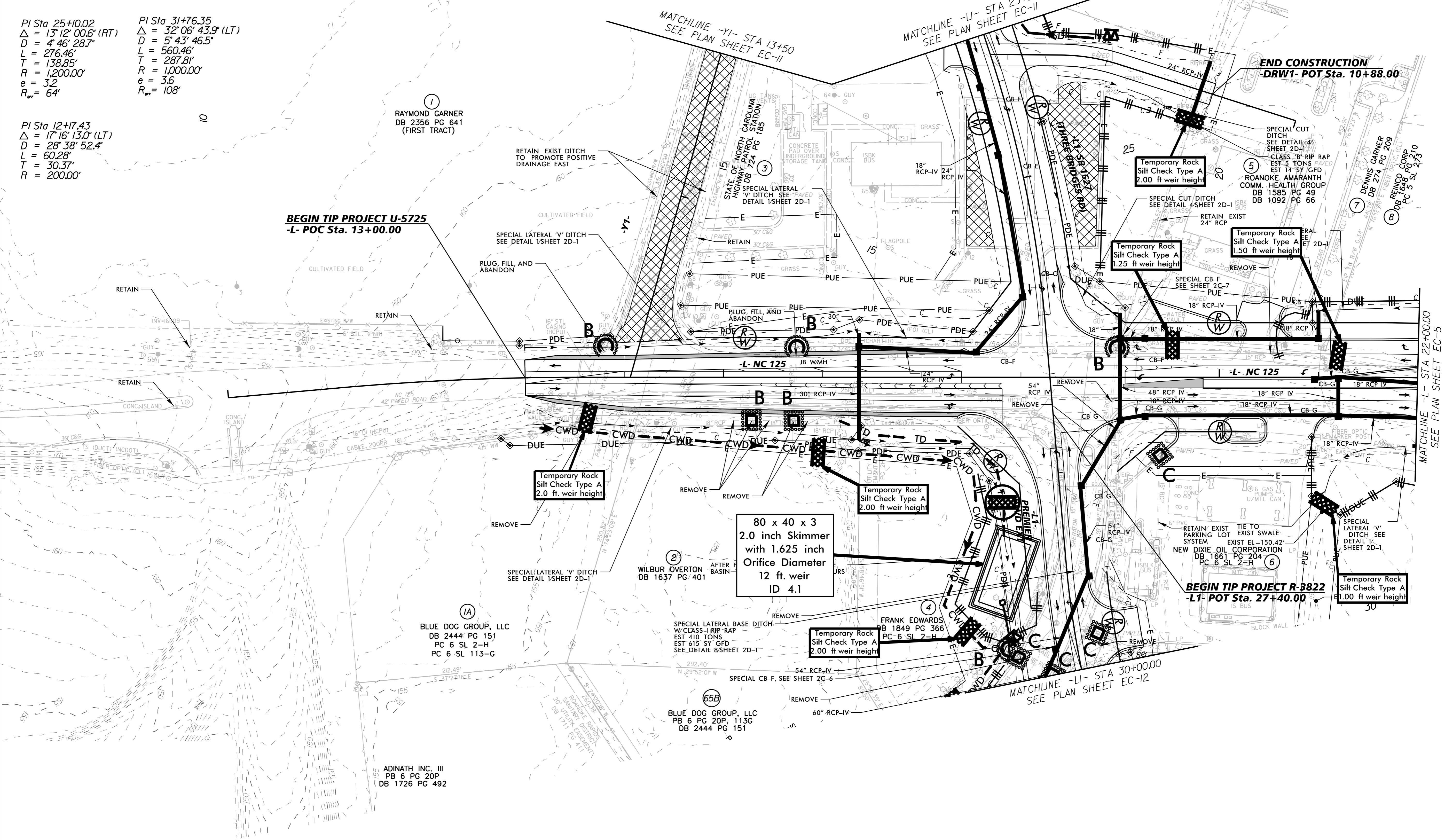
NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

NOTE: USE 1.0 FT WEIR HEIGHT FOR TEMPORARY ROCK SILT CHECKS TYPE - A THAT ARE NOT LABELED.



REVISIONS

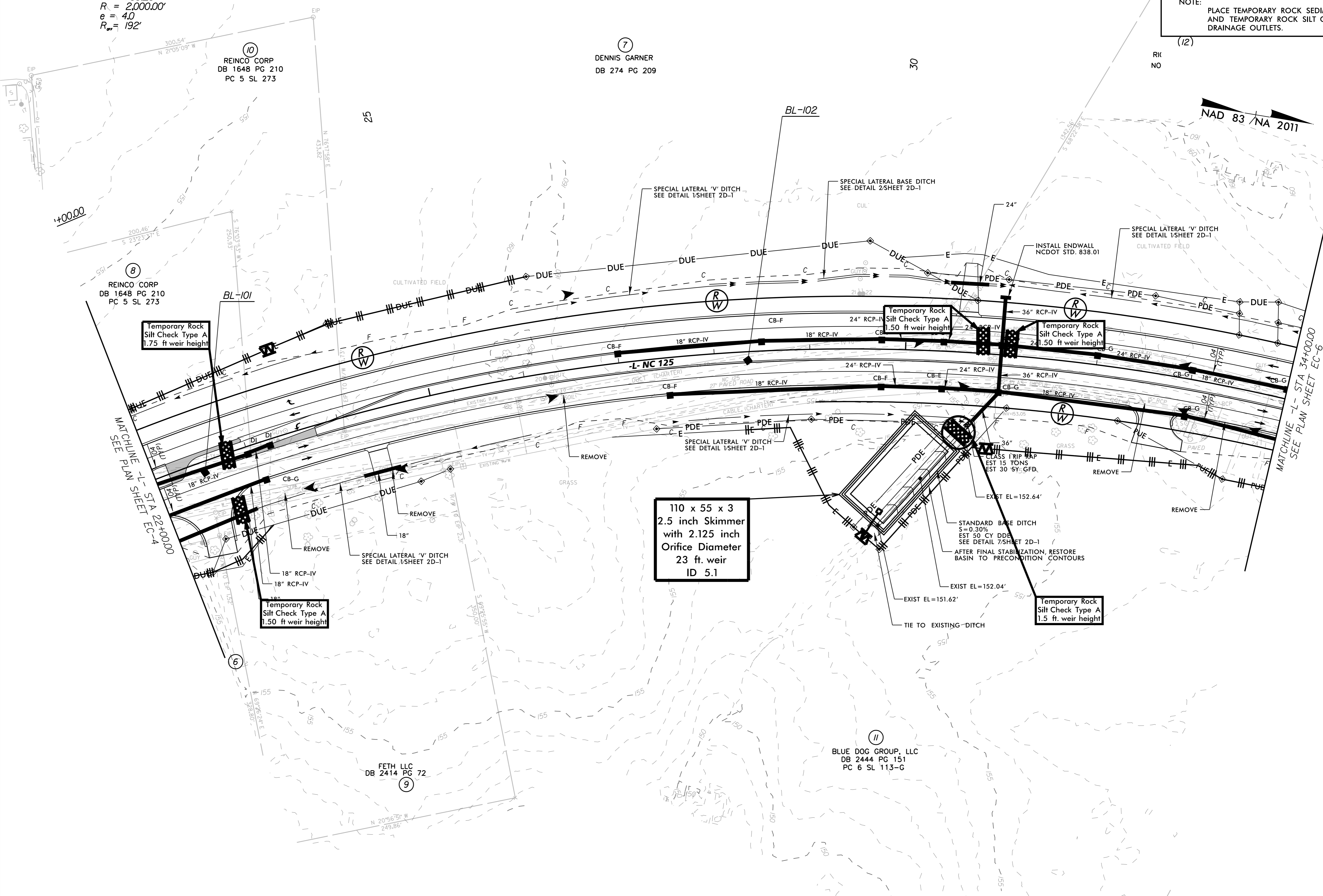
6/28/2018



SEE SHEET NO. 20 FOR -L- PROFILE
 SEE SHEET NO. 24 FOR -L1- PROFILE
 SEE SHEET NO. 27 FOR -Y1- PROFILE

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

-L-
 PI Sta 29+77.86
 $\Delta = 41' 55" 36.6" (RT)$
 $D = 2' 51" 53.2"$
 $L = 1,463.52'$
 $T = 766.26'$
 $R = 2,000.00'$
 $e = 4.0$
 $R_w = 192'$



110 x 55 x 3
 2.5 inch Skimmer
 with 2.125 inch
 Orifice Diameter
 23 ft. weir
 ID 5.1

Temporary Rock
 Silt Check Type A
 1.5 ft. weir height

Temporary Rock
 Silt Check Type A
 1.75 ft weir height

Temporary Rock
 Silt Check Type A
 1.50 ft weir height

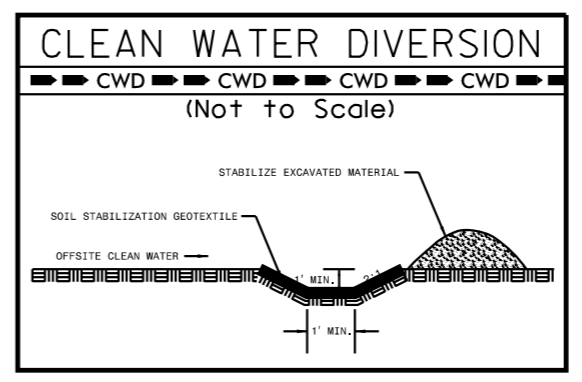
REVISIONS

6/28/2018

SEE SHEET NO. 20 FOR -L- PROFILE

5/14/99

PI Sta 29+17.86
Δ = 4' 55' 36.6" (RT)
D = 2' 51' 53.2"
L = 1,463.52'
T = 766.26'
R = 2,000.00'
e = 4.0
R_{av} = 192'



Kimley Horn
P.O. BOX 33068 • RALEIGH, N.C. 27636-3068

PROJECT REFERENCE NO. U-5725/R-3822	SHEET NO. EC-6
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CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 6

NAD 83 / NA 2011

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

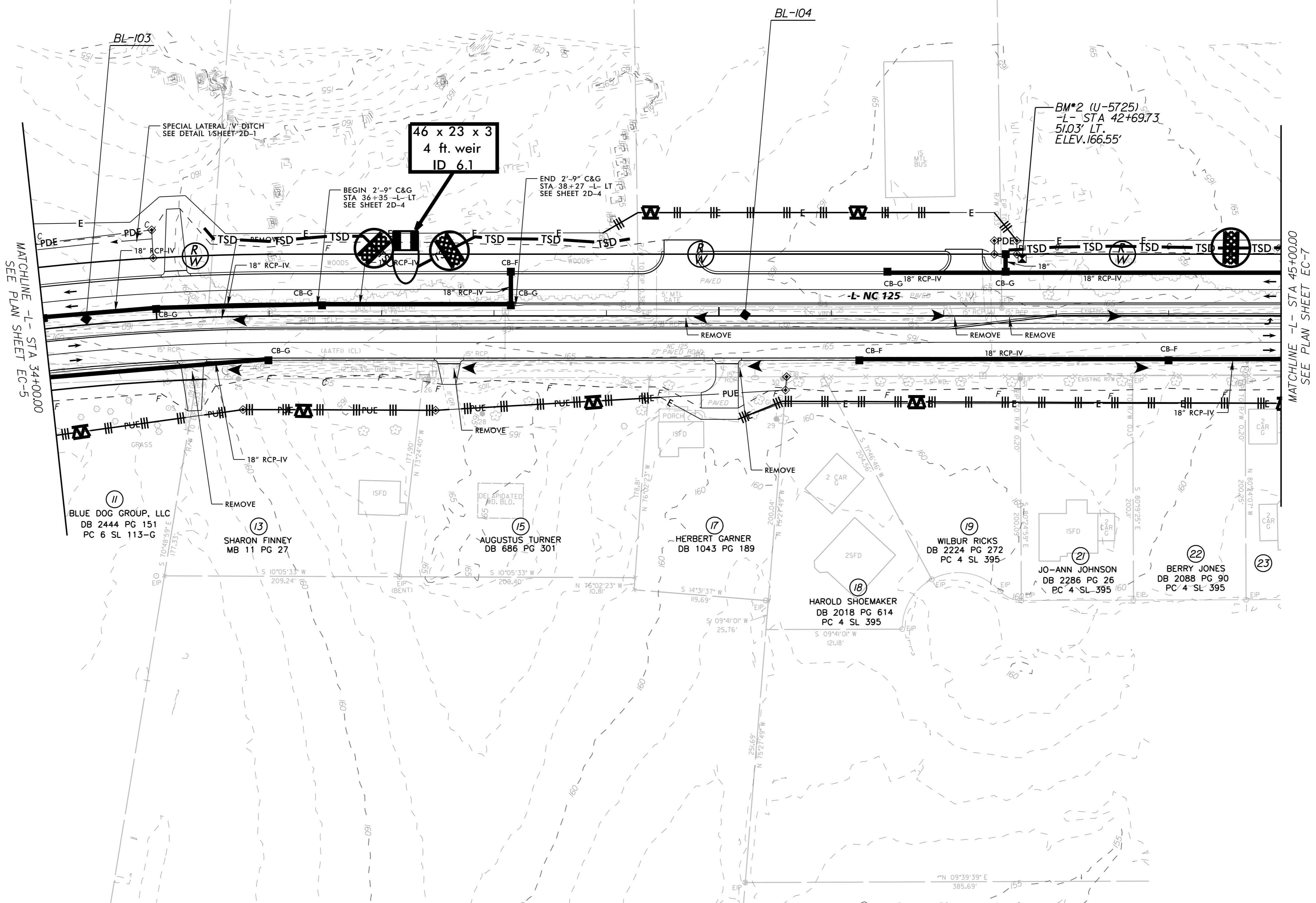
NOTE:
USE 1.0 FT WEIR HEIGHT FOR TEMPORARY ROCK
SILT CHECKS TYPE - A THAT ARE NOT LABELED.

12 RICHARD TURNER
NO DEED FOUND

14 ESTATE DEVELOPERS LLC
DB 2431 PG 85

16 MYSTIQUE MANAGEMENT, LLC
DB 2189 PG 251

20 ANTHONY DICKENS
DB 644 PG 561



MATCHLINE -L- STA 34+00.00
SEE PLAN SHEET EC-5

MATCHLINE -L- STA 45+00.00
SEE PLAN SHEET EC-7

REVISIONS

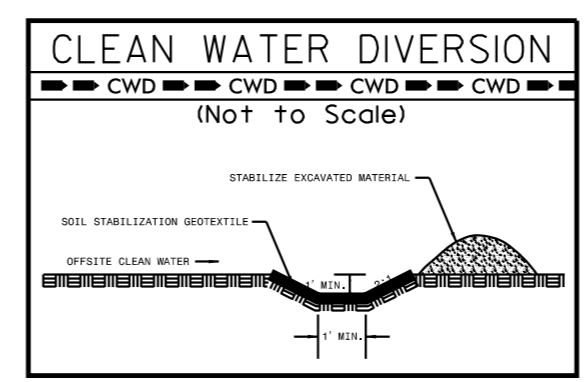
6/28/2018

SEE SHEET NO. 21 FOR -L- PROFILE

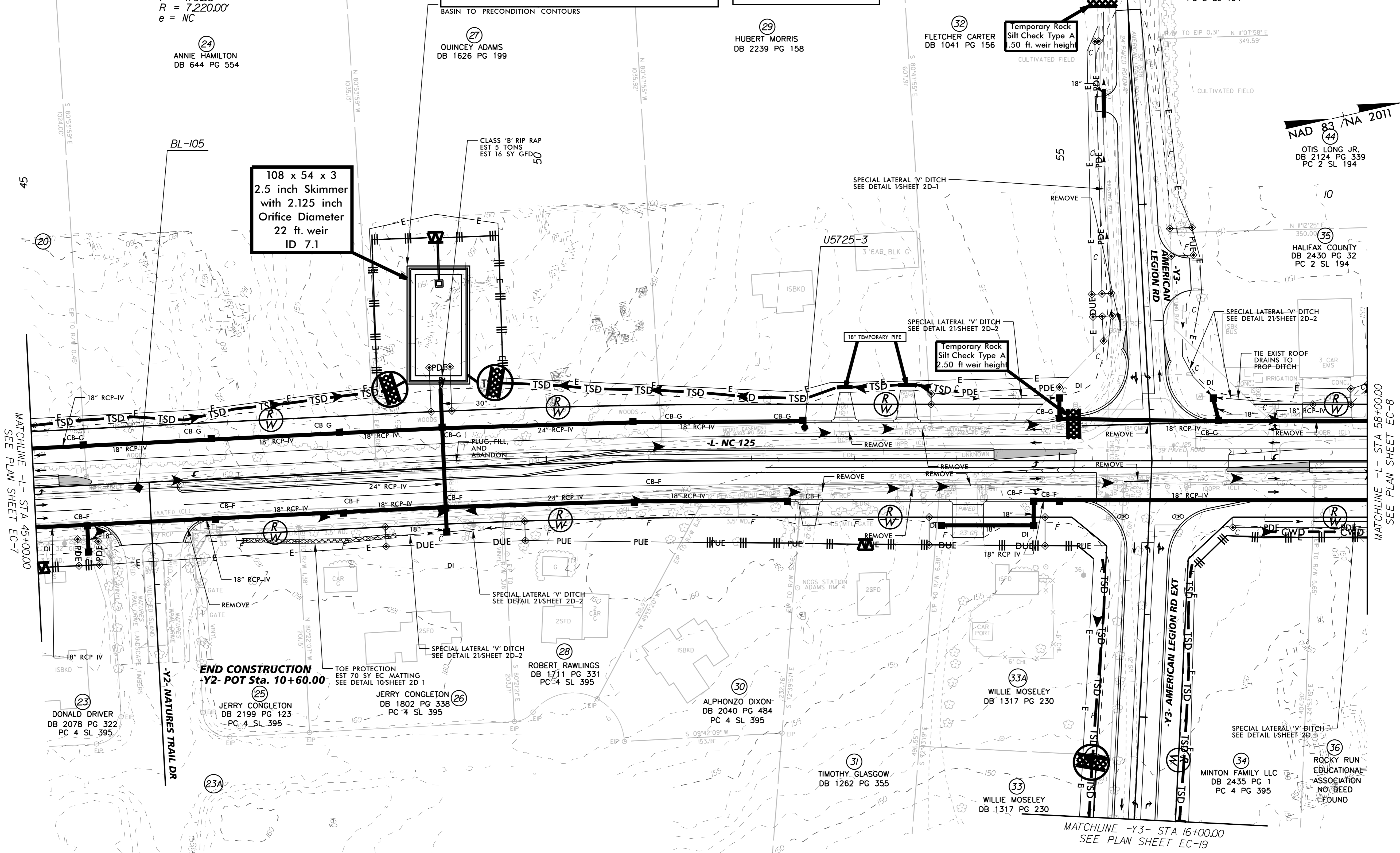
PI Sta 50+34.10
 $\Delta = 2^{\circ} 50' 55.7" (RT)$
 $D = 0^{\circ} 47' 36.9"$
 $L = 358.98'$
 $T = 179.53'$
 $R = 7,220.00'$
 $e = NC$

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

NOTE:
USE 1.0 FT WEIR HEIGHT FOR TEMPORARY ROCK
SILT CHECKS TYPE - A THAT ARE NOT LABELED.



BEGIN CONSTRUCTION
-Y3- POT Sta. 8+10.00



NAD 83 / NA 2011

MATCHLINE -L- STA 45+00.00
SEE PLAN SHEET EC-7

MATCHLINE -L- STA 58+00.00
SEE PLAN SHEET EC-8

MATCHLINE -Y3- STA 16+00.00
SEE PLAN SHEET EC-19

SEE SHEET NO. 21 FOR -L- PROFILE
SEE SHEET NO. 28 FOR -Y2- PROFILE
SEE SHEET NO. 28 FOR -Y3- PROFILE

REVISIONS

5/14/99

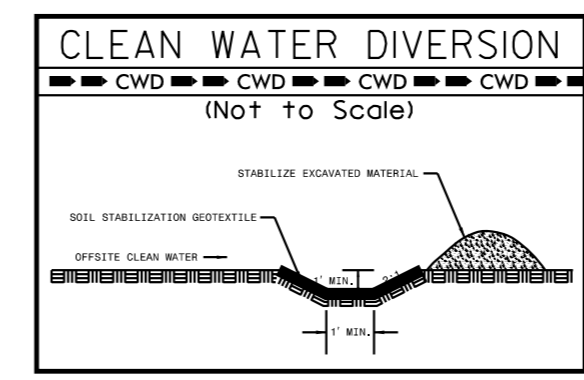
6/28/2018

PI Sta 66+10.81
 $\Delta = 0^{\circ} 49' 23.0''$ (LT)
 $D = 0^{\circ} 40' 26.6''$
 $L = 122.10'$
 $T = 61.05'$
 $R = 8,500.00'$
 $e = NC$

MARY LONG
DB 1199 PG 234
PC 2 SL 194

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

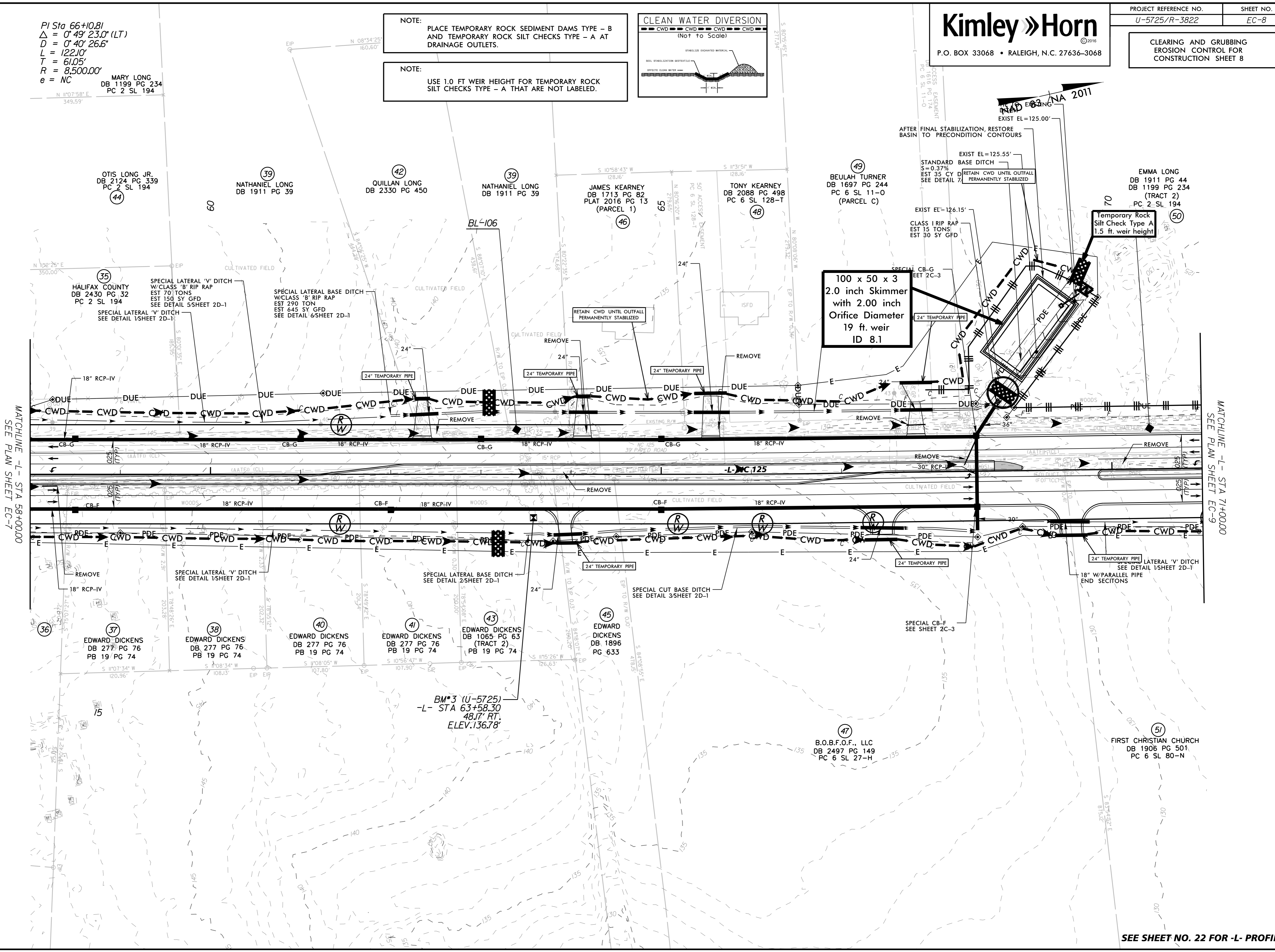
NOTE:
USE 1.0 FT WEIR HEIGHT FOR TEMPORARY ROCK
SILT CHECKS TYPE - A THAT ARE NOT LABELED.



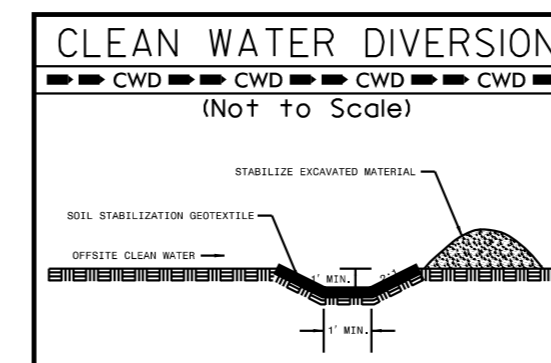
REVISIONS

MATCHLINE -L- STA 58+00.00
SEE PLAN SHEET EC-7

MATCHLINE -L- STA 71+00.00
SEE PLAN SHEET EC-9



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



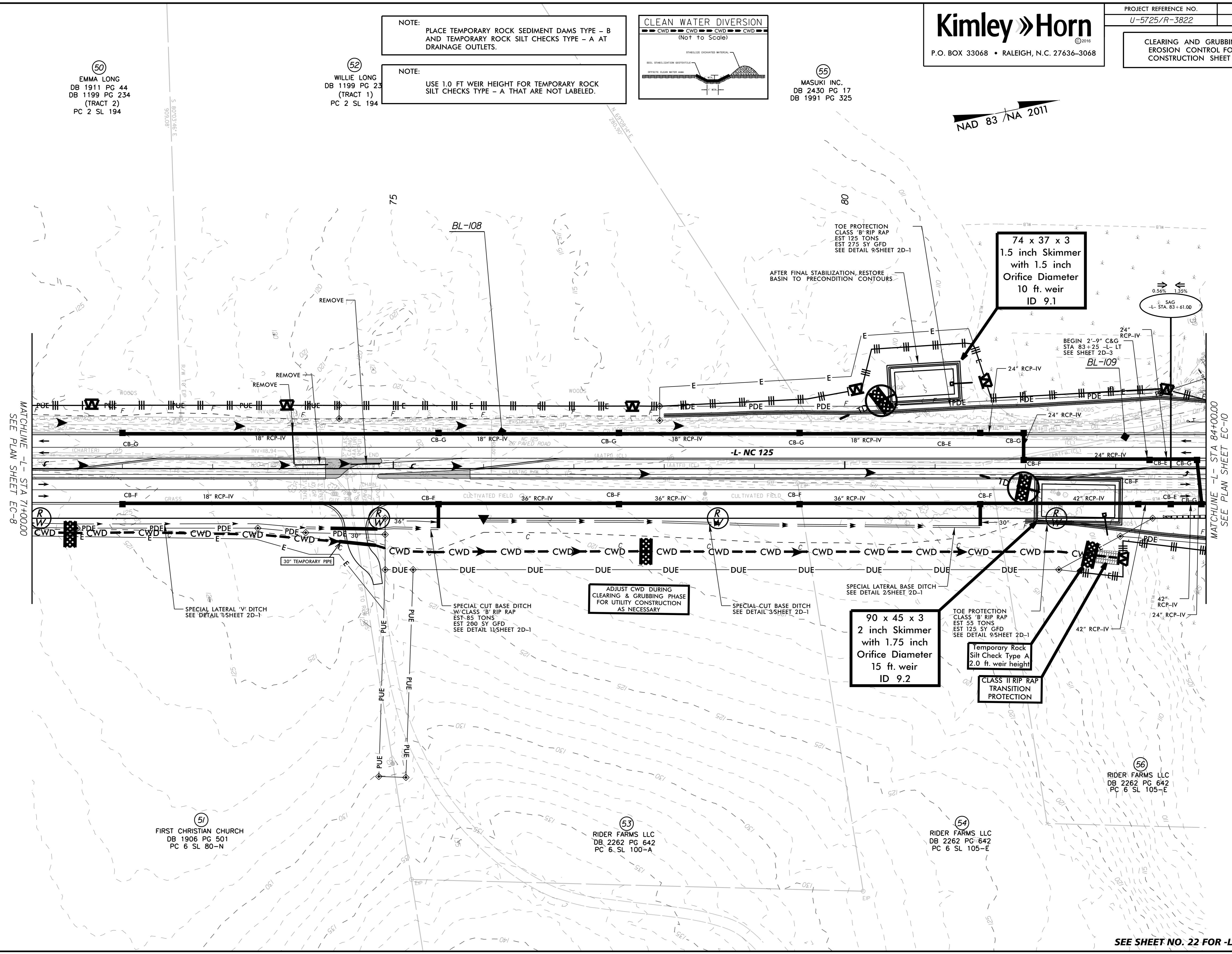
NOTE:
USE 1.0 FT WEIR HEIGHT FOR TEMPORARY ROCK
SILT CHECKS TYPE - A THAT ARE NOT LABELED.

55
MASUKI INC.
DB 2430 PG 17
DB 1991 PG 325

50
EMMA LONG
DB 1911 PG 44
DB 1199 PG 234
(TRACT 2)
PC 2 SL 194

52
WILLIE LONG
DB 1199 PG 23
(TRACT 1)
PC 2 SL 194

NAD 83 / NA 2011



REVISIONS

MATCHLINE -L- STA 71+00.00
SEE PLAN SHEET EC-8

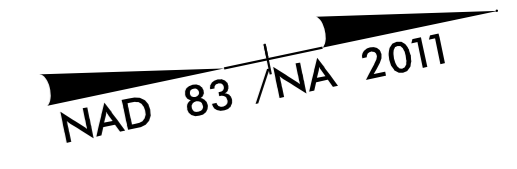
MATCHLINE -L- STA 84+00.00
SEE PLAN SHEET EC-10

6/28/2018

SEE SHEET NO. 22 FOR -L- PROFILE

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

NOTE:
 USE 1.0 FT WEIR HEIGHT FOR TEMPORARY ROCK
 SILT CHECKS TYPE - A THAT ARE NOT LABELED.



PI Sta 88+87.76
 $\Delta = 12' 35" 34.1" (RT)$
 $D = 1' 25" 56.6"$
 $L = 879.14'$
 $T = 441.35'$
 $R = 4,000.00'$
 $e = RC$
 $R_w = 120'$

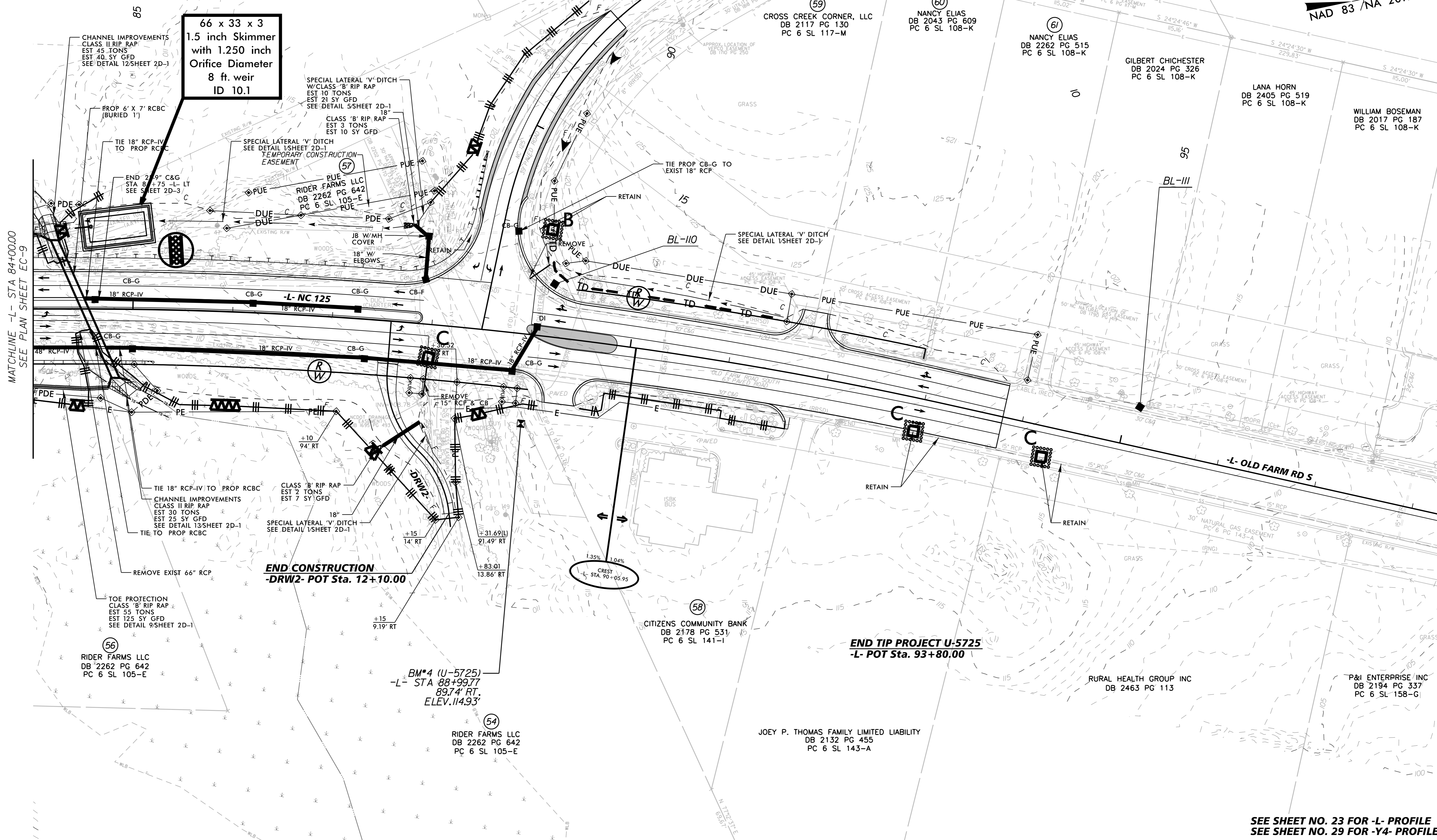
PI Sta 12+36.98
 $\Delta = 1' 18" 03.4" (LT)$
 $D = 5' 43" 46.5"$
 $L = 22.71'$
 $T = 11.35'$
 $R = 1,000.00'$

PI Sta 14+50.78
 $\Delta = 47' 37" 20.1" (LT)$
 $D = 15' 54" 55.8"$
 $L = 299.22'$
 $T = 158.86'$
 $R = 360.00'$
 $e = 3.8$
 $R_w = 76'$

BEGIN CONSTRUCTION
 -Y4- POC Sta. 13+65.00

PI Sta 10+97.28
 $\Delta = 51' 04" 39.4" (LT)$
 $D = 57' 17" 44.8"$
 $L = 89.15'$
 $T = 47.78'$
 $R = 100.00'$

PI Sta 11+75.29
 $\Delta = 40' 15" 07.4" (RT)$
 $D = 57' 17" 44.8"$
 $L = 70.25'$
 $T = 36.65'$
 $R = 100.00'$



END CONSTRUCTION
 -DRW2- POT Sta. 12+10.00

END TIP PROJECT U-5725
 -L- POT Sta. 93+80.00

MATCHLINE -L- STA 84+00.00
 SEE PLAN SHEET EC-9

REVISIONS

5/14/99

6/28/2018

SEE SHEET NO. 23 FOR -L- PROFILE
 SEE SHEET NO. 29 FOR -Y4- PROFILE

5/14/99

PROJECT REFERENCE NO. R-3822/U-5725	SHEET NO. EC-10A
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

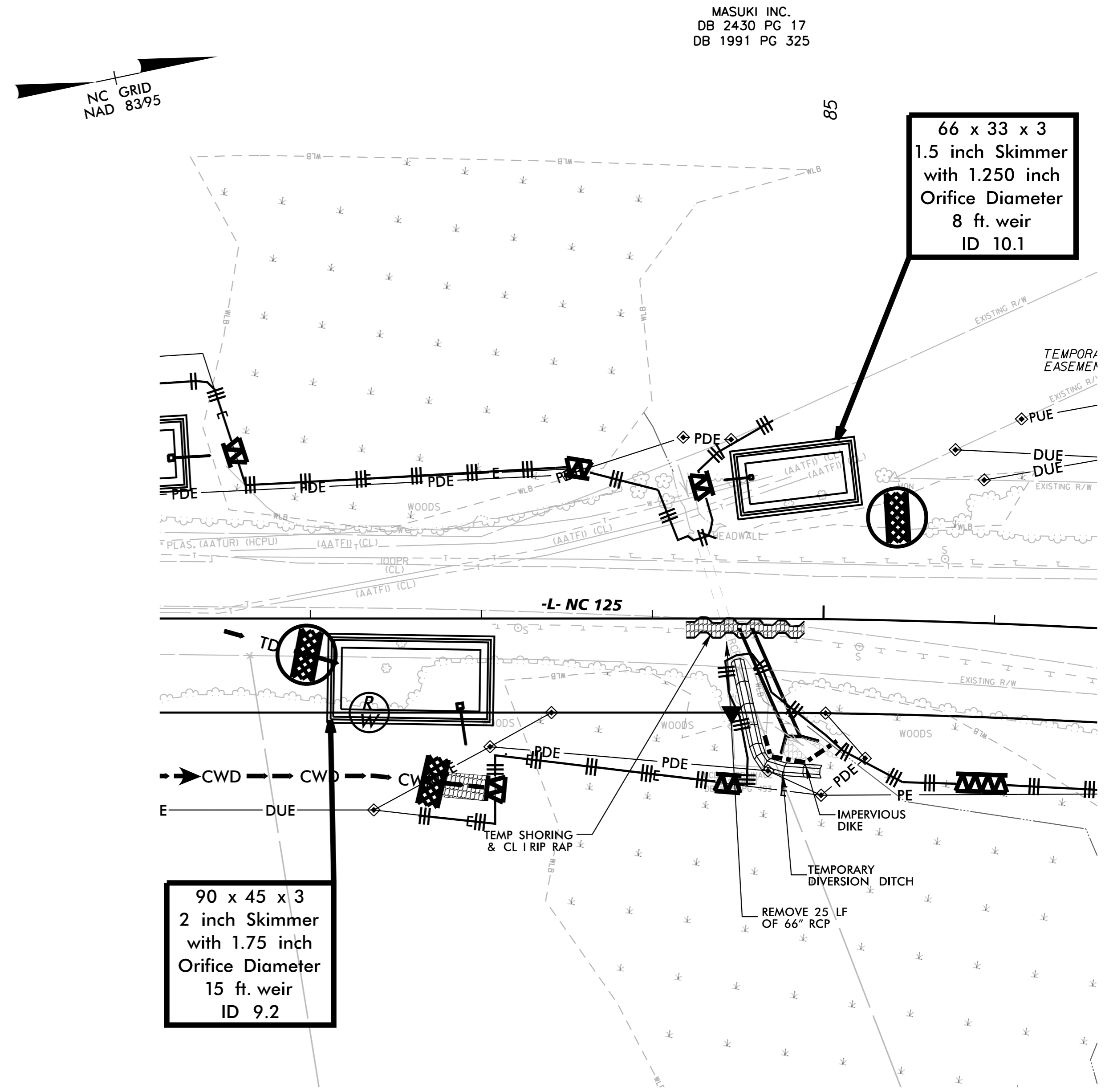
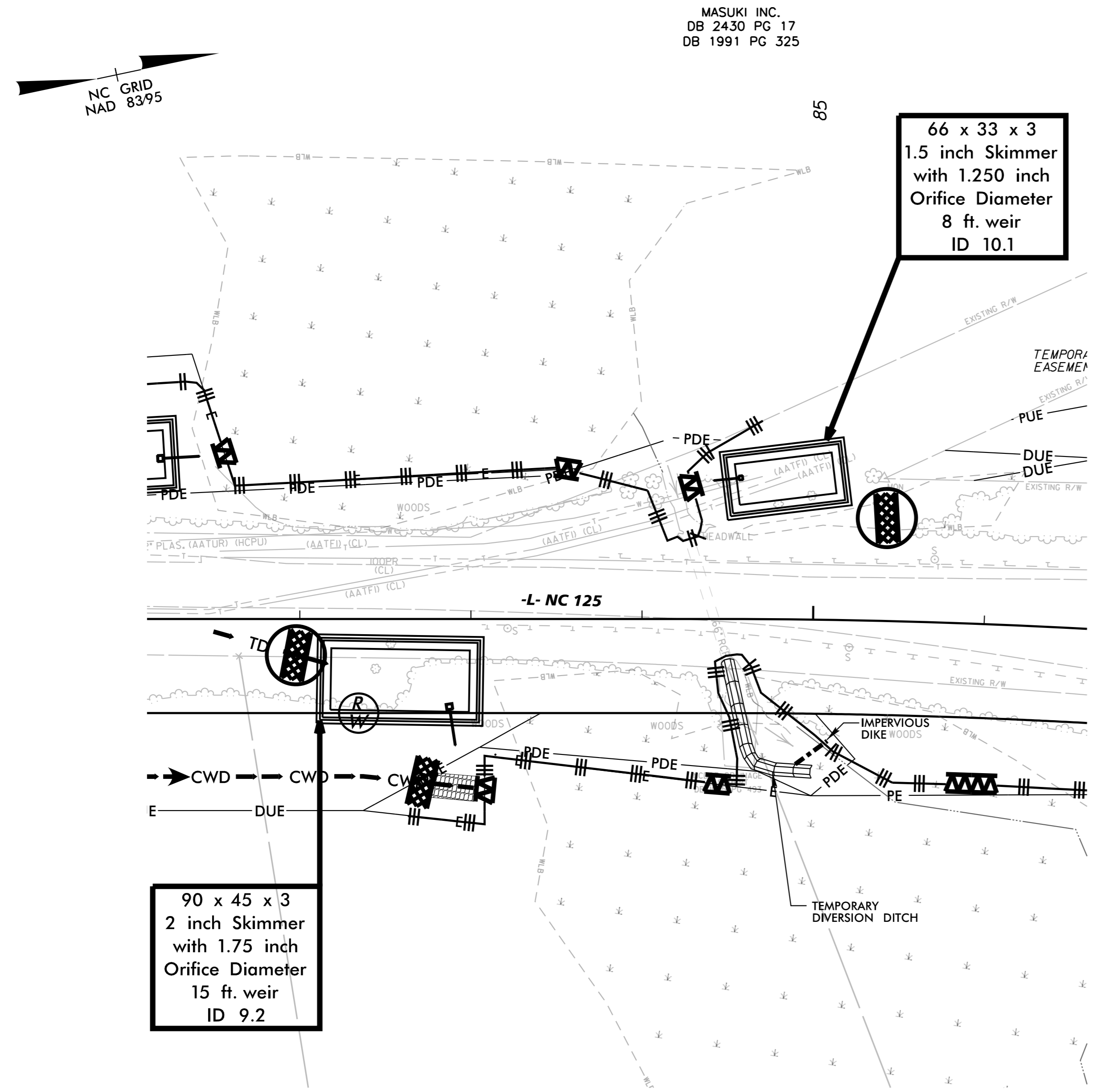
CULVERT CONSTRUCTION SEQUENCE STA. 84+50 -L-

PHASE 1A

- 1.) INSTALL ALL TEMPORARY EROSION CONTROL MEASURES.
- 2.) UTILIZE SPECIAL STILLING BASINS DURING CONSTRUCTION AS NEEDED.
- 3.) INSTALL TEMPORARY DIVERSION DITCH.
- 4.) INSTALL IMPERVIOUS DIKE & DIVERT FLOW FROM 66" RCP INTO DIVERSION DITCH.

PHASE 1B

- 1.) EXCAVATE UNDER PROPOSED CULVERT FOOTPRINT PER GEOTECHNICAL REC/STRUCTURAL PLANS.
- 2.) INSTALL TEMPORARY SHORING AS SHOWN IN SHEET TMP-10.
- 3.) DEWATER & CONSTRUCT 75 LF OF PROPOSED CULVERT.
- 4.) FILL GAP BETWEEN SHORING WITH CLASS I RIP RAP AND DIRECT FLOW INTO BOX CULVERT.
- 5.) FILL TEMPORARY DIVERSION & STABILIZE AREA.



6/28/2018

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PROJECT REFERENCE NO. R-3822/U-5725	SHEET NO. EC-10B
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

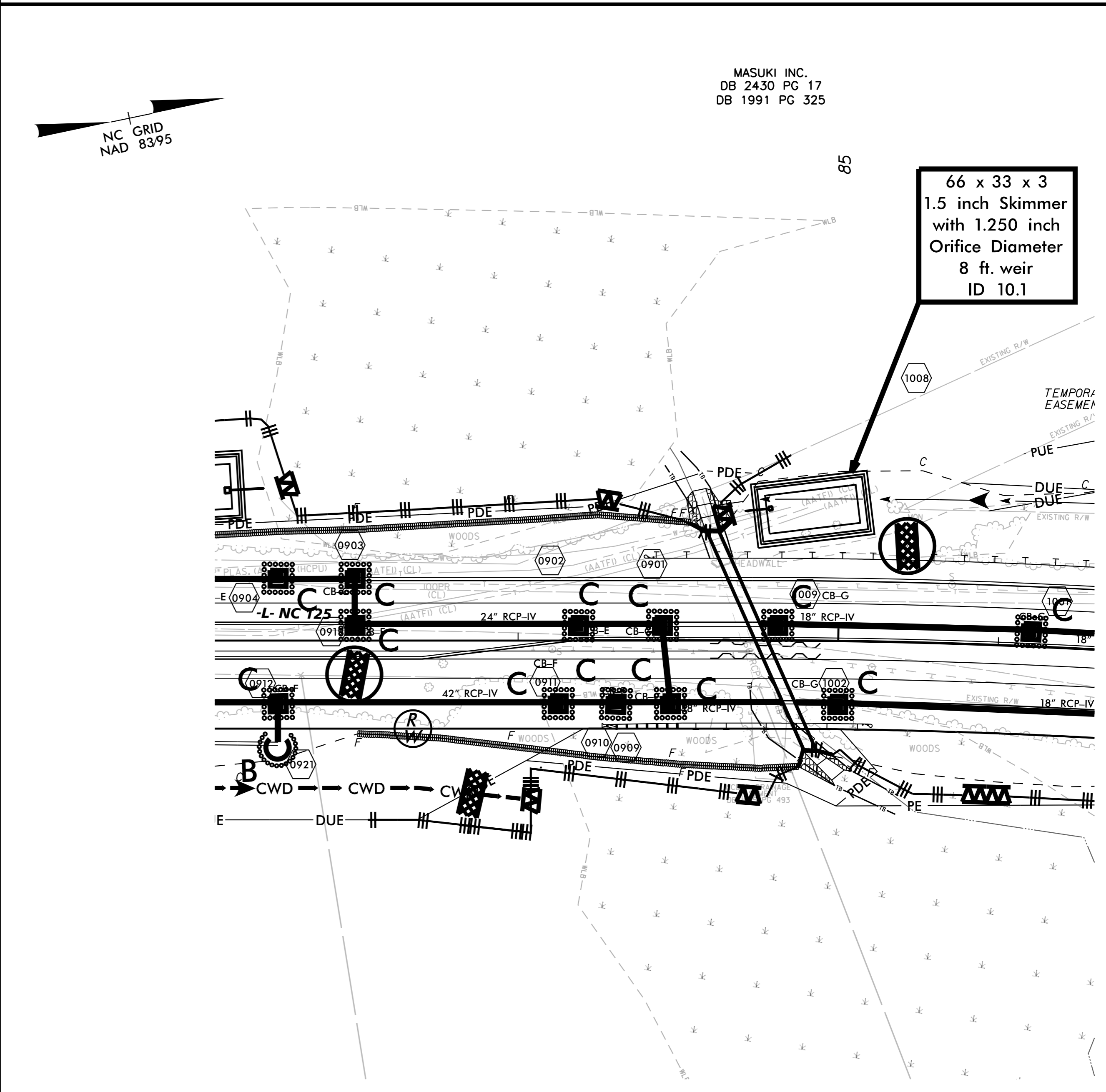
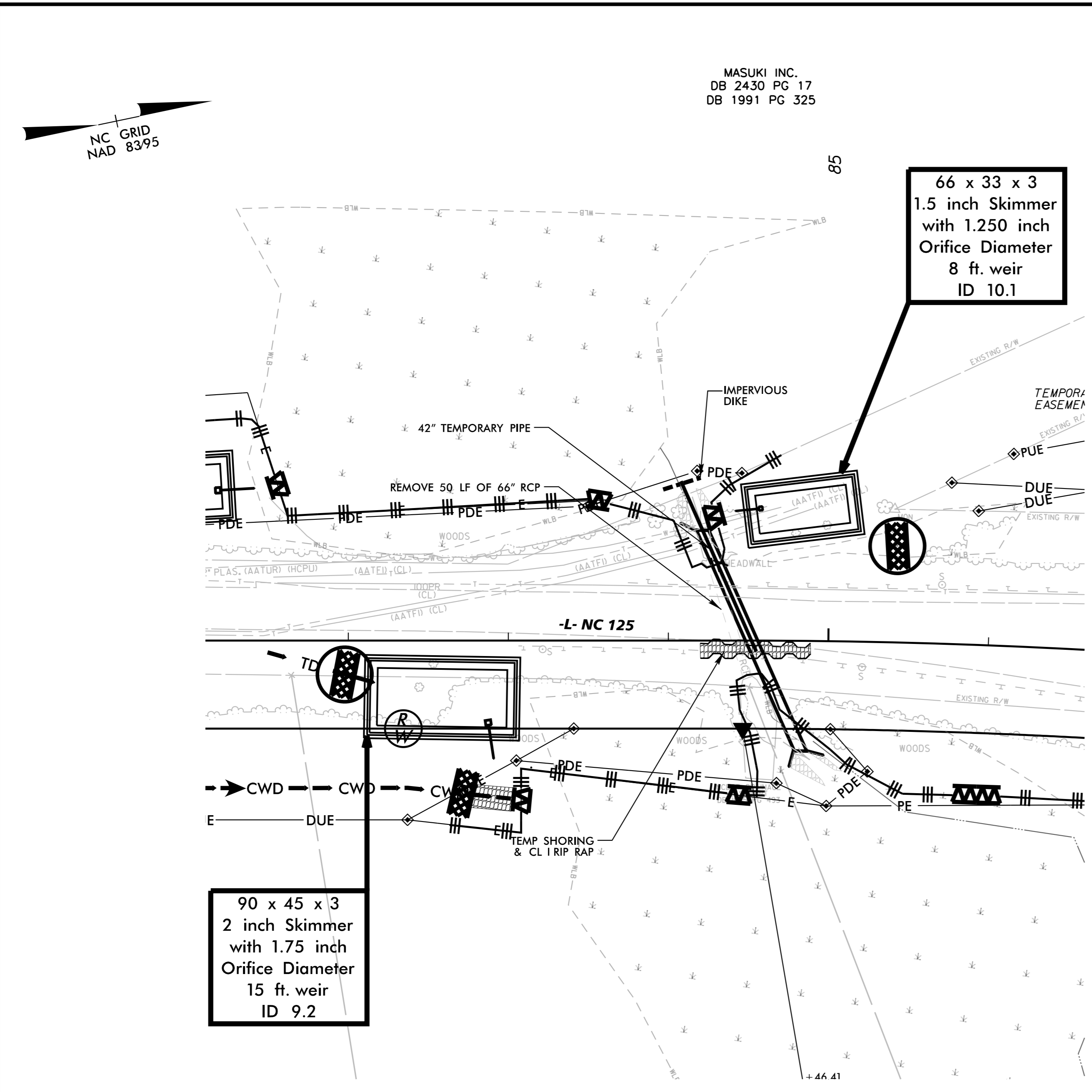
CULVERT CONSTRUCTION SEQUENCE STA. 84+50 -L-

PHASE 2A

- 1.) UTILIZE SPECIAL STILLING BASINS DURING CONSTRUCTION AS NEEDED.
- 2.) INSTALL IMPERVIOUS DIKE AND REMOVE EXIST 66" RCP. DURING REMOVAL, USE PUMP SYSTEM TO DIRECT WATER TO PORTION OF CULVERT CONSTRUCTED DURING PHASE I.
- 3.) INSTALL FLOOR OF RCBC.
- 4.) INSTALL 42" FLEXIBLE SMOOTH WALL PIPE ON FLOOR OF RCBC.

PHASE 2B

- 1.) COMPLETE CONSTRUCTION OF RCBC AND ROADWAY FILL.
- 2.) REMOVE TEMPORARY SHORING.
- 3.) REMOVE IMPERVIOUS DIKES, TEMP 42" PIPE, AND DIRECT FLOW INTO RCBC.
- 4.) REMOVE SPECIAL STILLING BASIN AND STABILIZE AREAS AS NECESSARY.
- 5.) COMPLETE ROADWAY

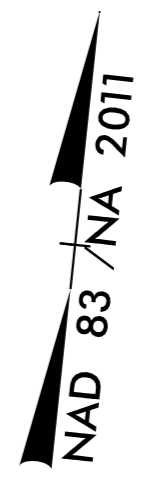


6/28/2018

<p>PI Sta 11+92.42 $\Delta = 0' 20' 46.2''$ (LT) $D = 1' 08' 45.3''$ $L = 30.21'$ $T = 15.10'$ $R = 5,000.00'$</p>	<p>PI Sta 19+18.70 $\Delta = 44' 01' 40.4''$ (LT) $D = 7' 09' 43.1''$ $L = 614.75'$ $T = 323.45'$ $R = 800.00'$ $e = 3.8$ $R_{\text{eq}} = 76'$</p>	<p>PI Sta 11+34.09 $\Delta = 59' 13' 23.4''$ (LT) $D = 28' 38' 52.4''$ $L = 206.73'$ $T = 113.67'$ $R = 200.00'$ $e = 3.0$ $R_{\text{eq}} = 15'$</p>
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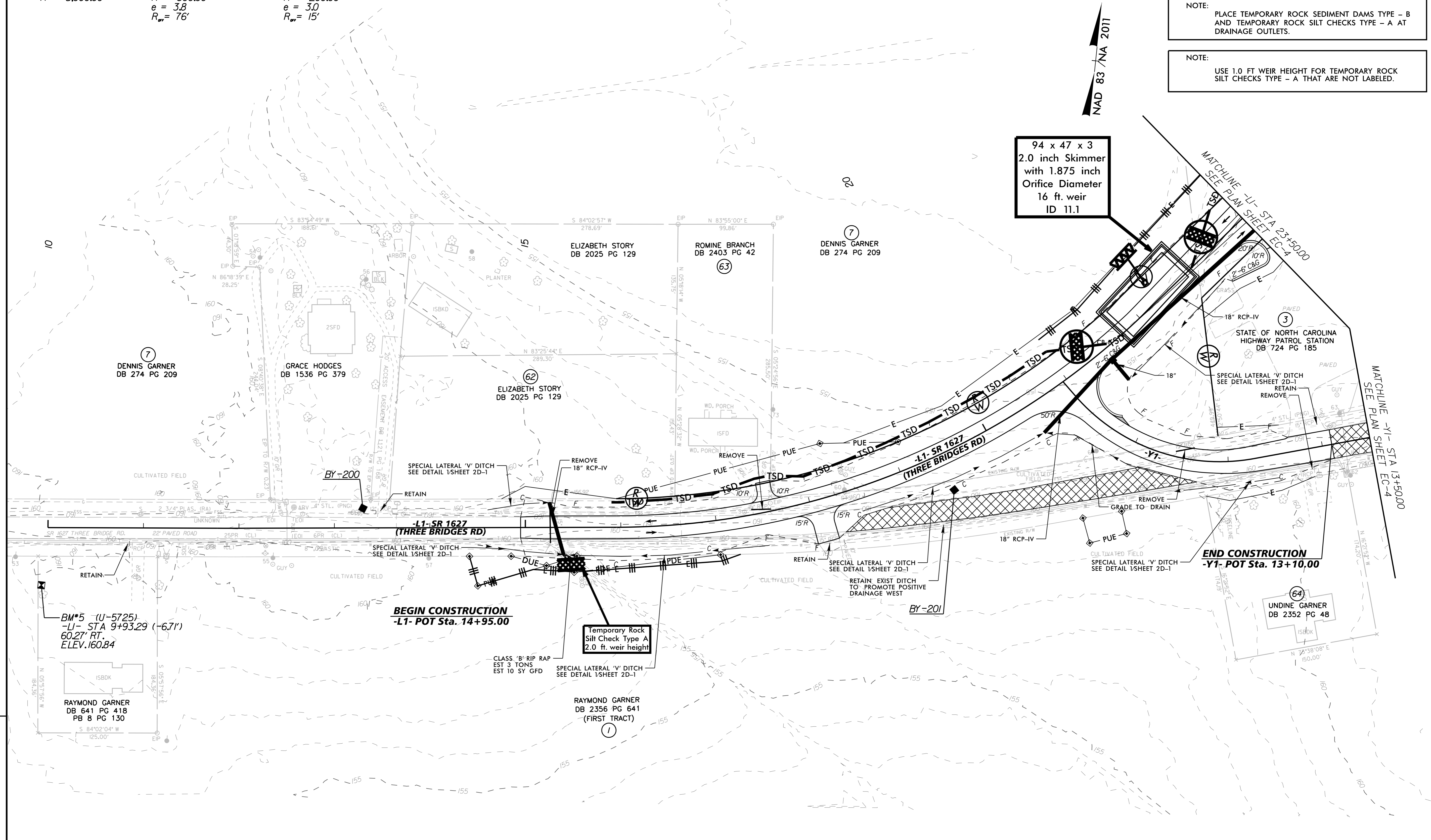
NOTE:
 PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

NOTE:
 USE 1.0 FT WEIR HEIGHT FOR TEMPORARY ROCK SILT CHECKS TYPE - A THAT ARE NOT LABELED.



94 x 47 x 3
 2.0 inch Skimmer
 with 1.875 inch
 Orifice Diameter
 16 ft. weir
 ID 11.1

REVISIONS

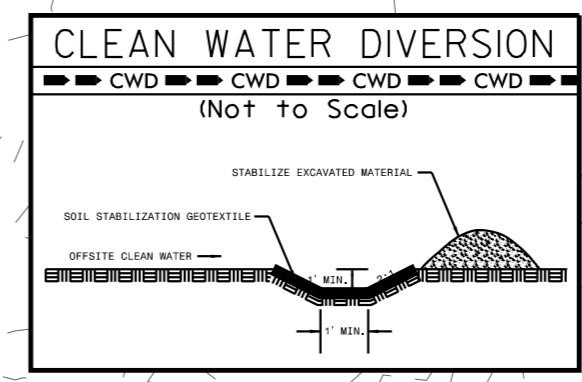


6/28/2018

SEE SHEET NO. 23 FOR -L1- PROFILE
 SEE SHEET NO. 27 FOR -Y1- PROFILE

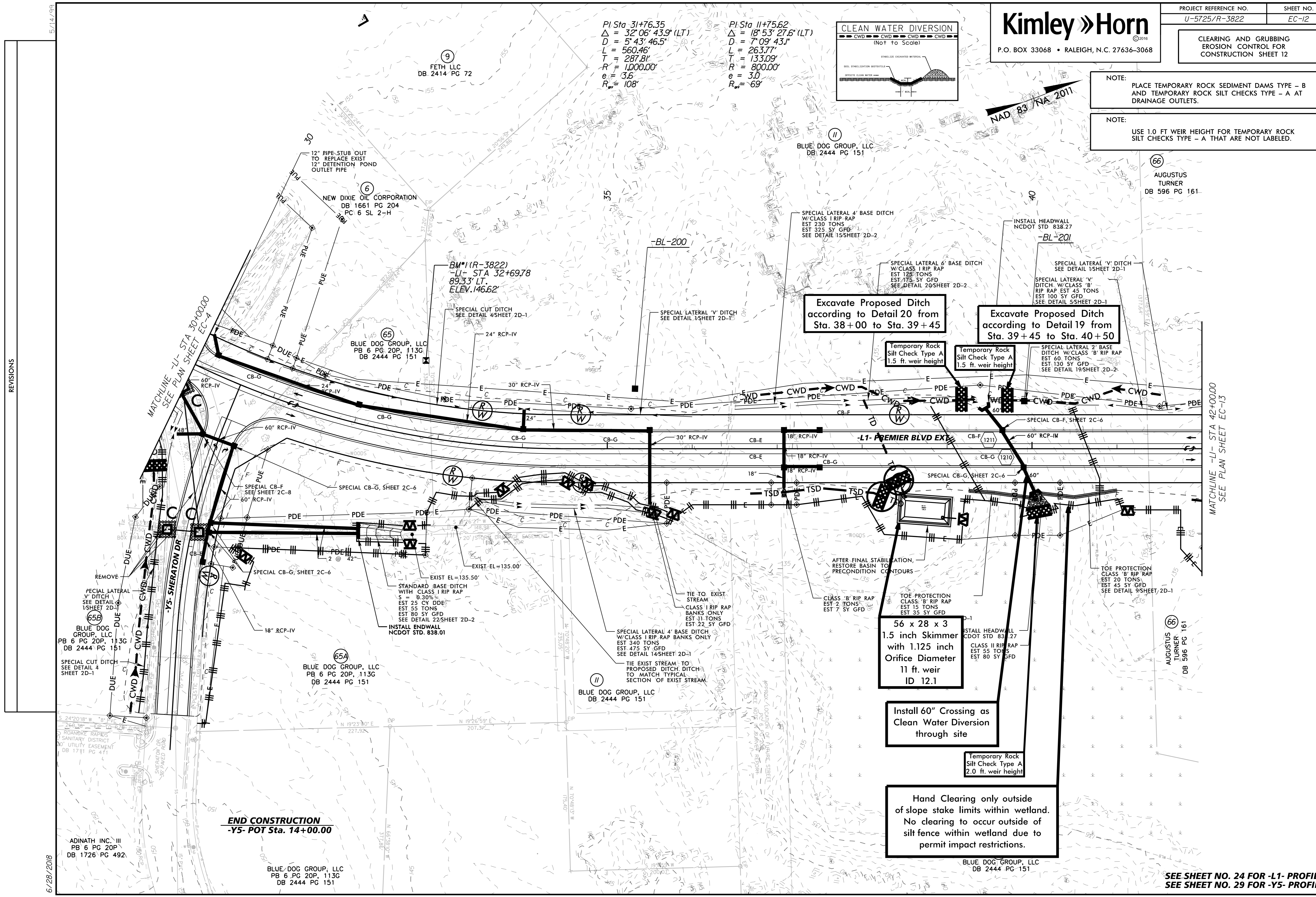
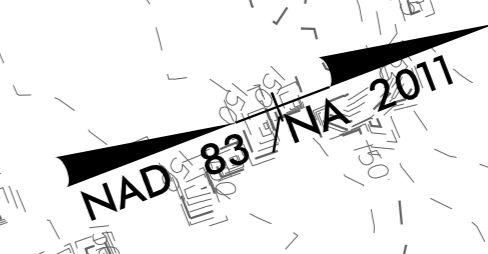
NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

NOTE: USE 1.0 FT WEIR HEIGHT FOR TEMPORARY ROCK SILT CHECKS TYPE - A THAT ARE NOT LABELED.



PI Sta 31+76.35
 $\Delta = 32'06'' 43.9''$ (LT)
 $D = 5'43'46.5''$
 $L = 560.46'$
 $T = 287.81'$
 $R = 1,000.00'$
 $e = 3.6$
 $R_{\text{ext}} = 108'$

PI Sta 11+75.62
 $\Delta = 18'53'27.6''$ (LT)
 $D = 7'09'43.1''$
 $L = 263.77'$
 $T = 133.09'$
 $R = 800.00'$
 $e = 3.0$
 $R_{\text{ext}} = 69'$



Excavate Proposed Ditch according to Detail 20 from Sta. 38+00 to Sta. 39+45

Excavate Proposed Ditch according to Detail 19 from Sta. 39+45 to Sta. 40+50

Temporary Rock Silt Check Type A 1.5 ft. weir height

Temporary Rock Silt Check Type A 1.5 ft. weir height

56 x 28 x 3 1.5 inch Skimmer with 1.125 inch Orifice Diameter 11 ft. weir ID 12.1

Install 60" Crossing as Clean Water Diversion through site

Temporary Rock Silt Check Type A 2.0 ft. weir height

Hand Clearing only outside of slope stake limits within wetland. No clearing to occur outside of silt fence within wetland due to permit impact restrictions.

END CONSTRUCTION
 -Y5- POT Sta. 14+00.00

REVISIONS

5/14/99

6/28/2018

SEE SHEET NO. 24 FOR -L1- PROFILE
 SEE SHEET NO. 29 FOR -Y5- PROFILE

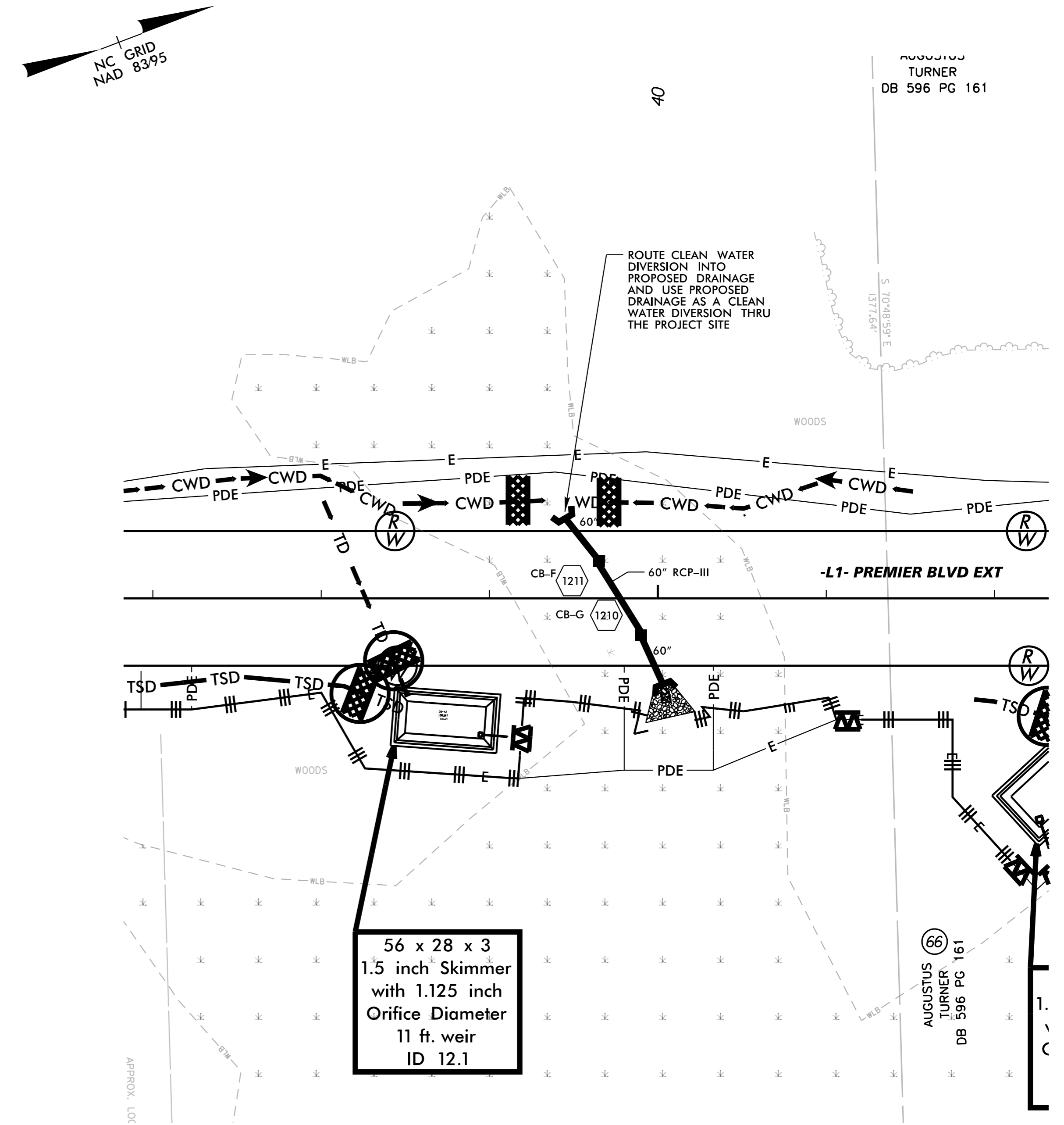
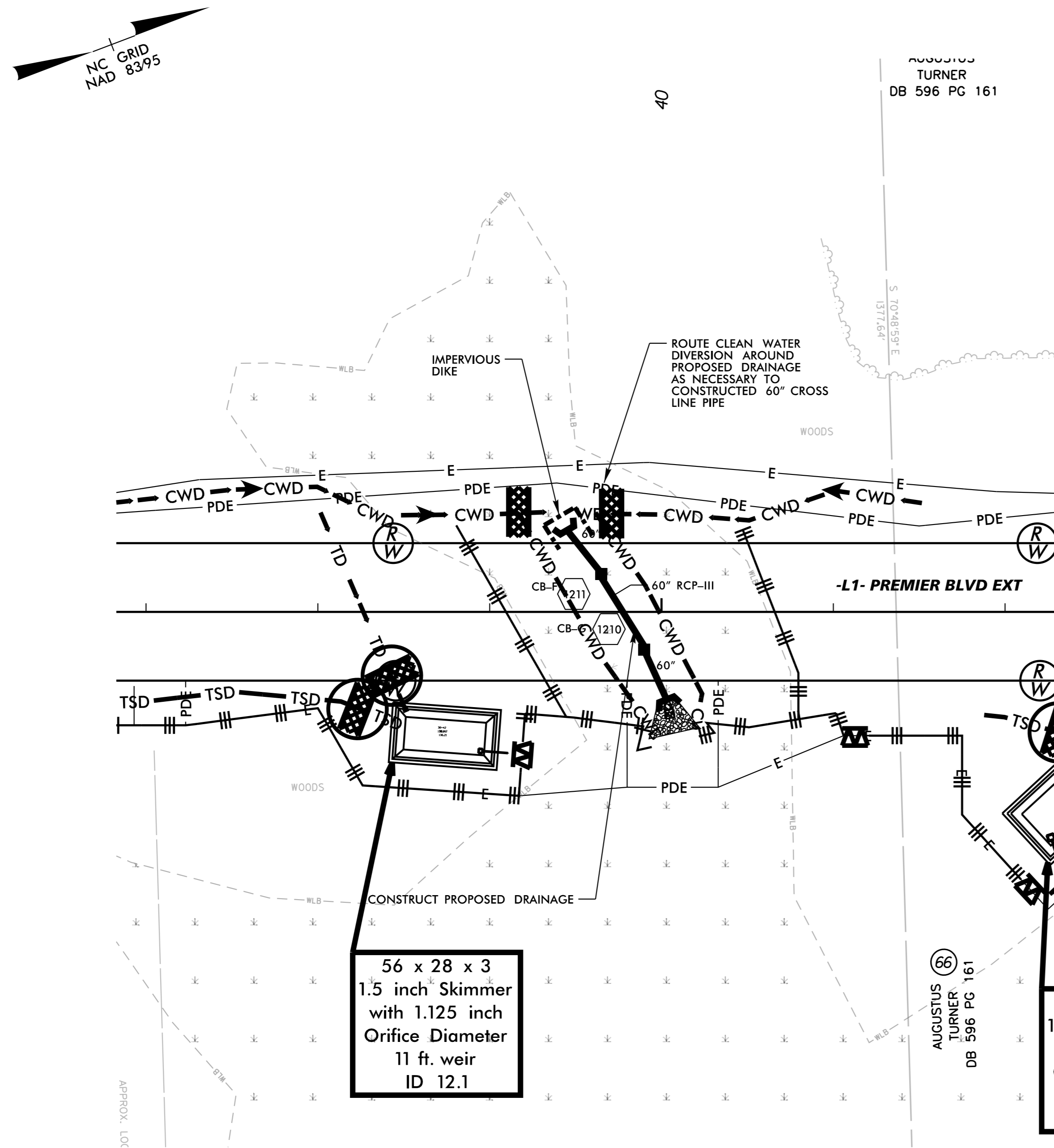
PIPE INSTALLATION SEQUENCE STA. 39+75 -L1-

PHASE 1

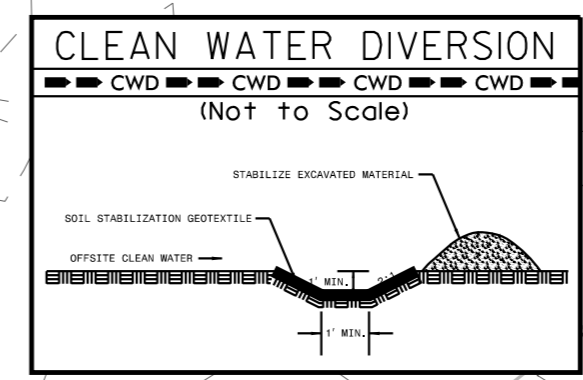
- 1.) INSTALL ALL TEMPORARY EROSION CONTROL MEASURES.
- 2.) INSTALL SKIMMER BASIN.
- 3.) INSTALL CLEAN WATER DIVERSION AND TEMPORARY DIVERSION DITCHES.
- 4.) INSTALL IMPERVIOUS DIKE & DIVERT FLOW INTO CLEAN WATER DIVERSION DITCHES.
- 5.) CONSTRUCT PROPOSED DRAINAGE SYSTEM.

PHASE 2

- 1.) EXCAVATE ACCUMULATED SILT AND DEWATER BEFORE REMOVAL OF IMPERVIOUS DIKE.
- 2.) REMOVE IMPERVIOUS DIKE AND DIVERT CLEAN WATER DIVERSION INTO CONSTRUCTED HEADWALL.
- 3.) RETAIN TEMPORARY DIVERSION DITCH AS SHOWN.
- 4.) FILL CLEAN WATER DIVERSIONS THRU SITE & STABILIZE AREA.
- 5.) COMPLETE ROADWAY



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.



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

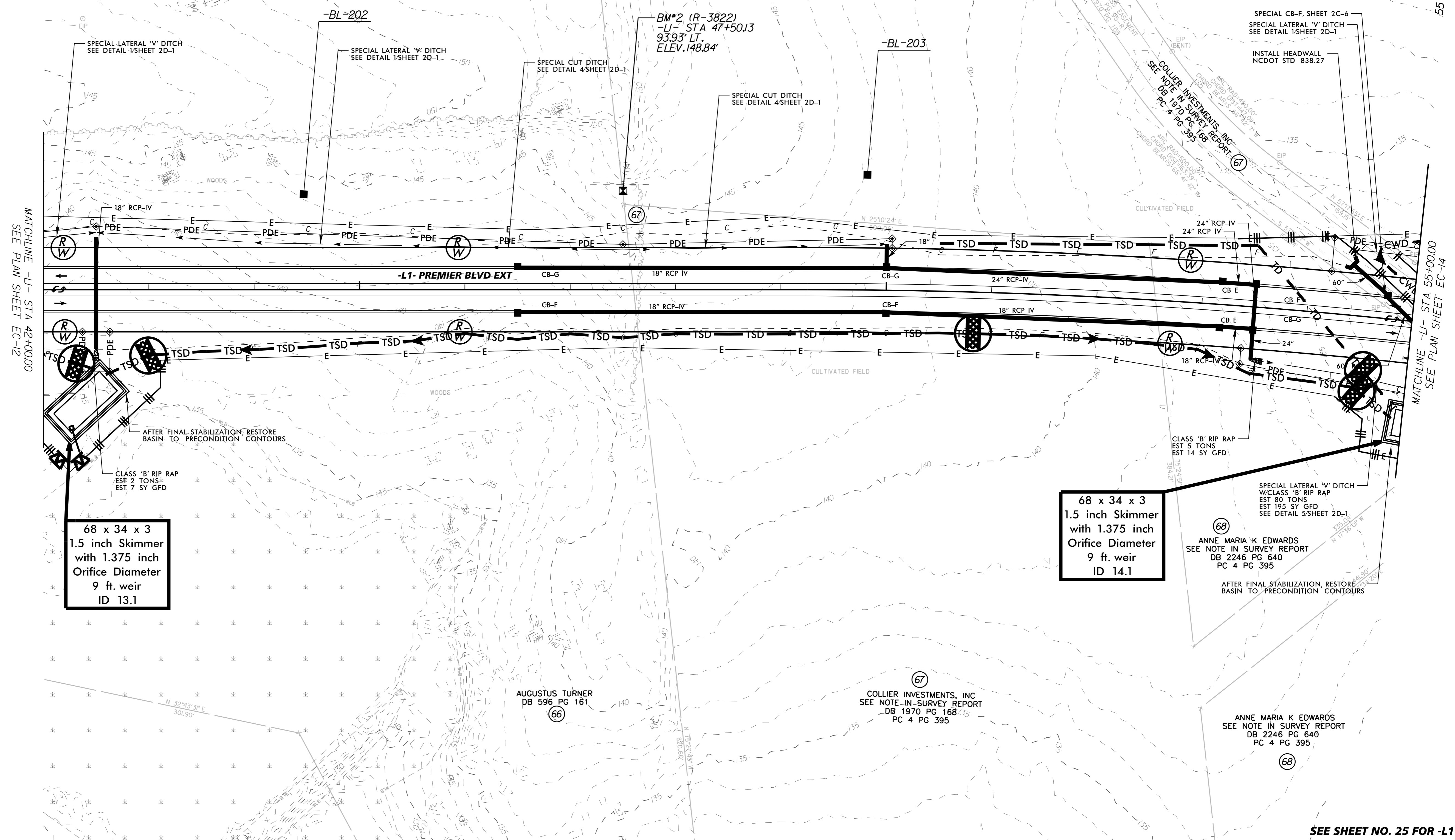
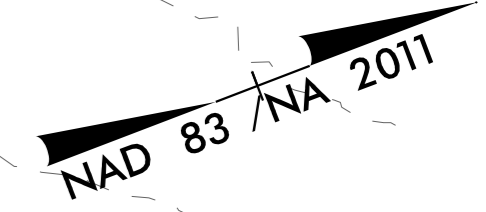
NOTE:
USE 1.0 FT WEIR HEIGHT FOR TEMPORARY ROCK
SILT CHECKS TYPE - A THAT ARE NOT LABELED.

PI Sta 55+85.50
Δ = 13° 41' 29.0" (RT)
D = 1,028.30.3"
L = 1,314.28'
T = 660.28'
R = 5,500.00'
e = NC

66
AUGUSTUS TURNER
DB 596 PG 161

68
ANNE MARIA K EDWARDS
SEE NOTE IN SURVEY REPORT
DB 2246 PG 640
PC 4 PG 395

68
ANNE MARIA K EDWARDS
SEE NOTE IN SURVEY REPORT
DB 2246 PG 640
PC 4 PG 395



68 x 34 x 3
1.5 inch Skimmer
with 1.375 inch
Orifice Diameter
9 ft. weir
ID 13.1

68 x 34 x 3
1.5 inch Skimmer
with 1.375 inch
Orifice Diameter
9 ft. weir
ID 14.1

68
ANNE MARIA K EDWARDS
SEE NOTE IN SURVEY REPORT
DB 2246 PG 640
PC 4 PG 395

66
AUGUSTUS TURNER
DB 596 PG 161

67
COLLIER INVESTMENTS, INC
SEE NOTE IN SURVEY REPORT
DB 1970 PG 168
PC 4 PG 395

68
ANNE MARIA K EDWARDS
SEE NOTE IN SURVEY REPORT
DB 2246 PG 640
PC 4 PG 395

REVISIONS

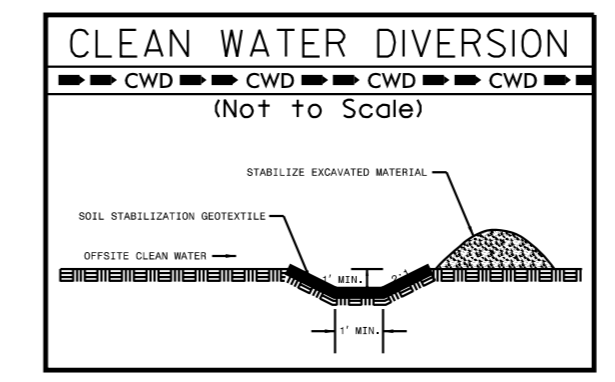
5/14/99

6/28/2018

SEE SHEET NO. 25 FOR -L1- PROFILE

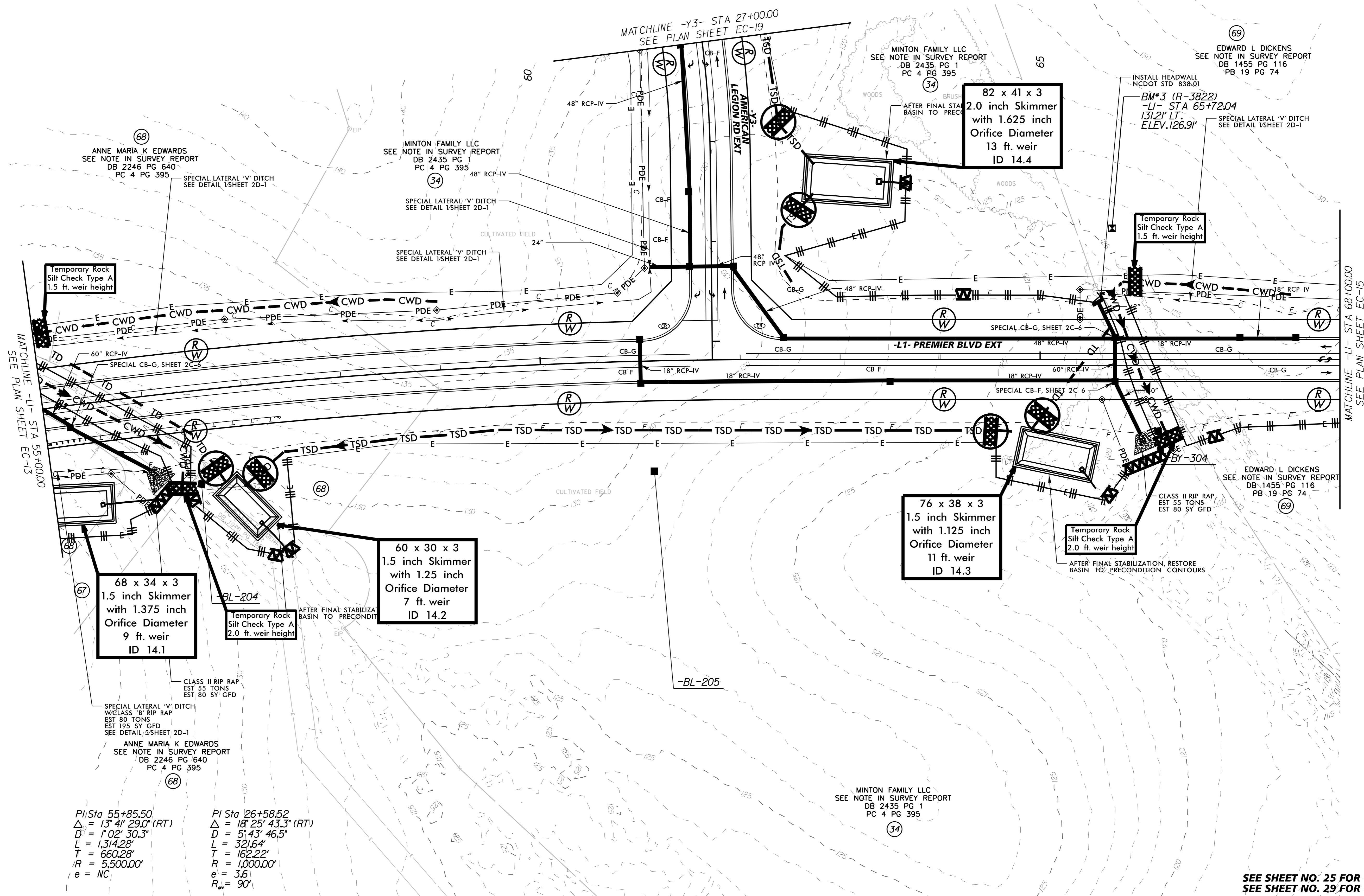
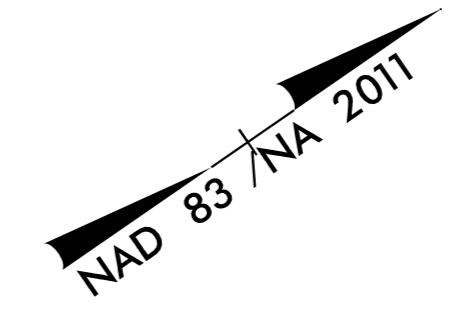
5/14/99

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.



NOTE:
 USE 1.0 FT WEIR HEIGHT FOR TEMPORARY ROCK SILT CHECKS TYPE - A THAT ARE NOT LABELED.

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



Temporary Rock Silt Check Type A
 1.5 ft. weir height

82 x 41 x 3
 2.0 inch Skimmer
 with 1.625 inch
 Orifice Diameter
 13 ft. weir
 ID 14.4

Temporary Rock Silt Check Type A
 1.5 ft. weir height

76 x 38 x 3
 1.5 inch Skimmer
 with 1.125 inch
 Orifice Diameter
 11 ft. weir
 ID 14.3

68 x 34 x 3
 1.5 inch Skimmer
 with 1.375 inch
 Orifice Diameter
 9 ft. weir
 ID 14.1

60 x 30 x 3
 1.5 inch Skimmer
 with 1.25 inch
 Orifice Diameter
 7 ft. weir
 ID 14.2

Temporary Rock Silt Check Type A
 2.0 ft. weir height

PI Sta 55+85.50
 $\Delta = 13' 41'' 29.0''$ (RT)
 $D = 1' 02' 30.3''$
 $L = 1,314.28'$
 $T = 660.28'$
 $R = 5,500.00'$
 $e = NC$

PI Sta 26+58.52
 $\Delta = 18' 25' 43.3''$ (RT)
 $D = 51.43' 46.5''$
 $L = 321.64'$
 $T = 162.22'$
 $R = 1,000.00'$
 $e = 3.6'$
 $R_s = 90'$

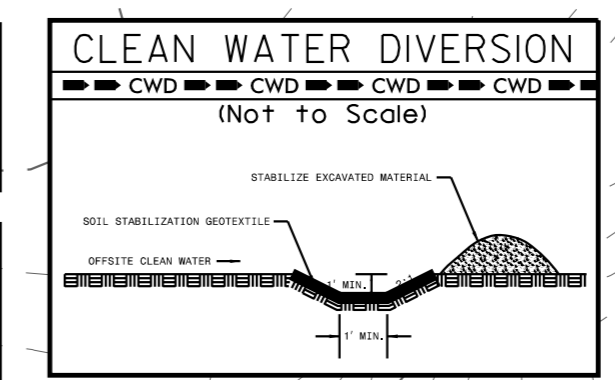
REVISIONS

6/28/2018

SEE SHEET NO. 25 FOR -L1- PROFILE
 SEE SHEET NO. 29 FOR -Y3- PROFILE

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

NOTE:
USE 1.0 FT WEIR HEIGHT FOR TEMPORARY ROCK
SILT CHECKS TYPE - A THAT ARE NOT LABELED.

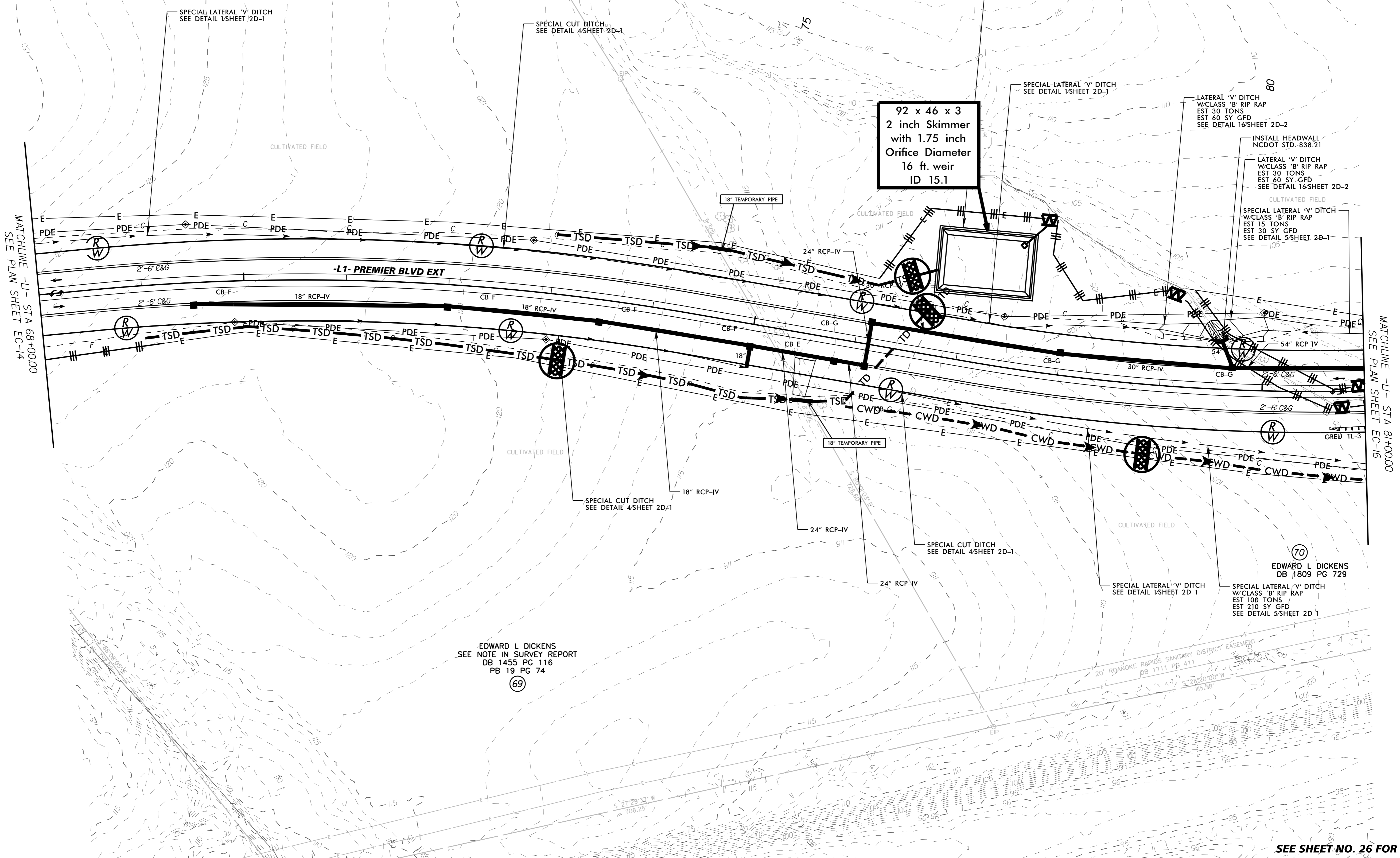


PI Sta 71+45.37
 $\Delta = 15' 15" 37.8" (RT)$
 $D = 2' 36" 15.7"$
 $L = 585.96'$
 $T = 294.72'$
 $R = 2,200.00'$
 $e = RC$
 $R_{\text{ext}} = 75'$

PI Sta 85+81.84
 $\Delta = 47' 06" 17.6" (LT)$
 $D = 2' 51" 53.2"$
 $L = 1,644.27'$
 $T = 871.80'$
 $R = 2,000.00'$
 $e = 2.6$
 $R_{\text{ext}} = 78'$

69
EDWARD L DICKENS
SEE NOTE IN SURVEY REPORT
DB 1455 PG 116
PB 19 PG 74

70
EDWARD L DICKENS
DB 1809 PG 729



92 x 46 x 3
2 inch Skimmer
with 1.75 inch
Orifice Diameter
16 ft. weir
ID 15.1

INSTALL HEADWALL
NCDOT STD. 838.21

LATERAL 'V' DITCH
W/CLASS 'B' RIP RAP
EST 30 TONS
EST 60 SY GFD
SEE DETAIL 16/SHEET 2D-2

LATERAL 'V' DITCH
W/CLASS 'B' RIP RAP
EST 30 TONS
EST 60 SY GFD
SEE DETAIL 16/SHEET 2D-2

SPECIAL LATERAL 'V' DITCH
W/CLASS 'B' RIP RAP
EST 15 TONS
EST 30 SY GFD
SEE DETAIL 5/SHEET 2D-1

SPECIAL LATERAL 'V' DITCH
W/CLASS 'B' RIP RAP
EST 100 TONS
EST 210 SY GFD
SEE DETAIL 5/SHEET 2D-1

EDWARD L DICKENS
SEE NOTE IN SURVEY REPORT
DB 1455 PG 116
PB 19 PG 74

70
EDWARD L DICKENS
DB 1809 PG 729

REVISIONS

5/14/99

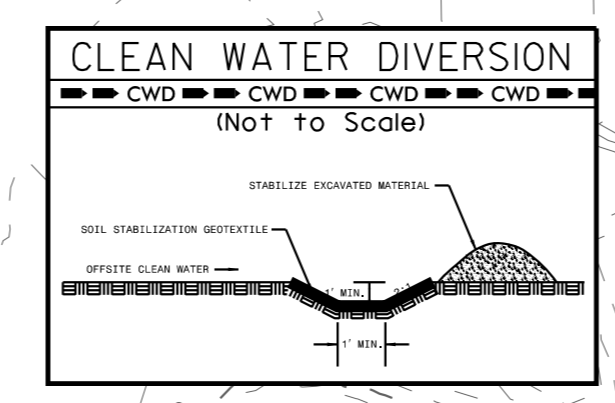
6/28/2018

MATCHLINE -L1- STA 68+00.00
SEE PLAN SHEET EC-14

MATCHLINE -L1- STA 81+00.00
SEE PLAN SHEET EC-16

SEE SHEET NO. 26 FOR -L1- PROFILE

5/14/99

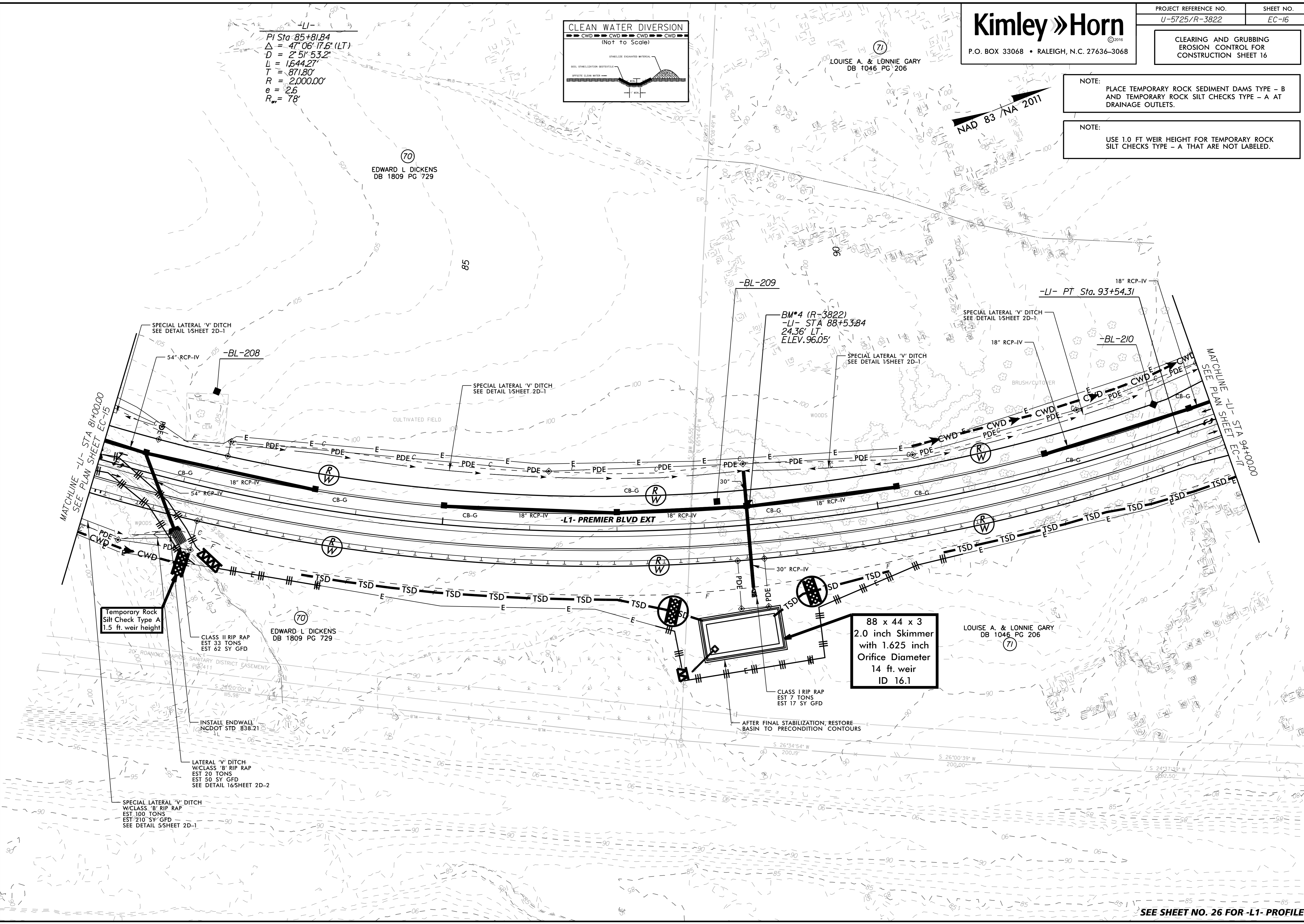


PI Sta 85+81.84
 $\Delta = 47^{\circ}06'17.6" (LT)$
 $D = 2^{\circ}51'53.2"$
 $L = 1644.27'$
 $T = 871.80'$
 $R = 2,000.00'$
 $e = 2.6'$
 $R_{min} = 78'$

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

NOTE:
 USE 1.0 FT WEIR HEIGHT FOR TEMPORARY ROCK
 SILT CHECKS TYPE - A THAT ARE NOT LABELED.

REVISIONS



Temporary Rock
 Silt Check Type A
 1.5 ft. weir height

88 x 44 x 3
 2.0 inch Skimmer
 with 1.625 inch
 Orifice Diameter
 14 ft. weir
 ID 16.1

6/28/2018

SEE SHEET NO. 26 FOR -L1- PROFILE

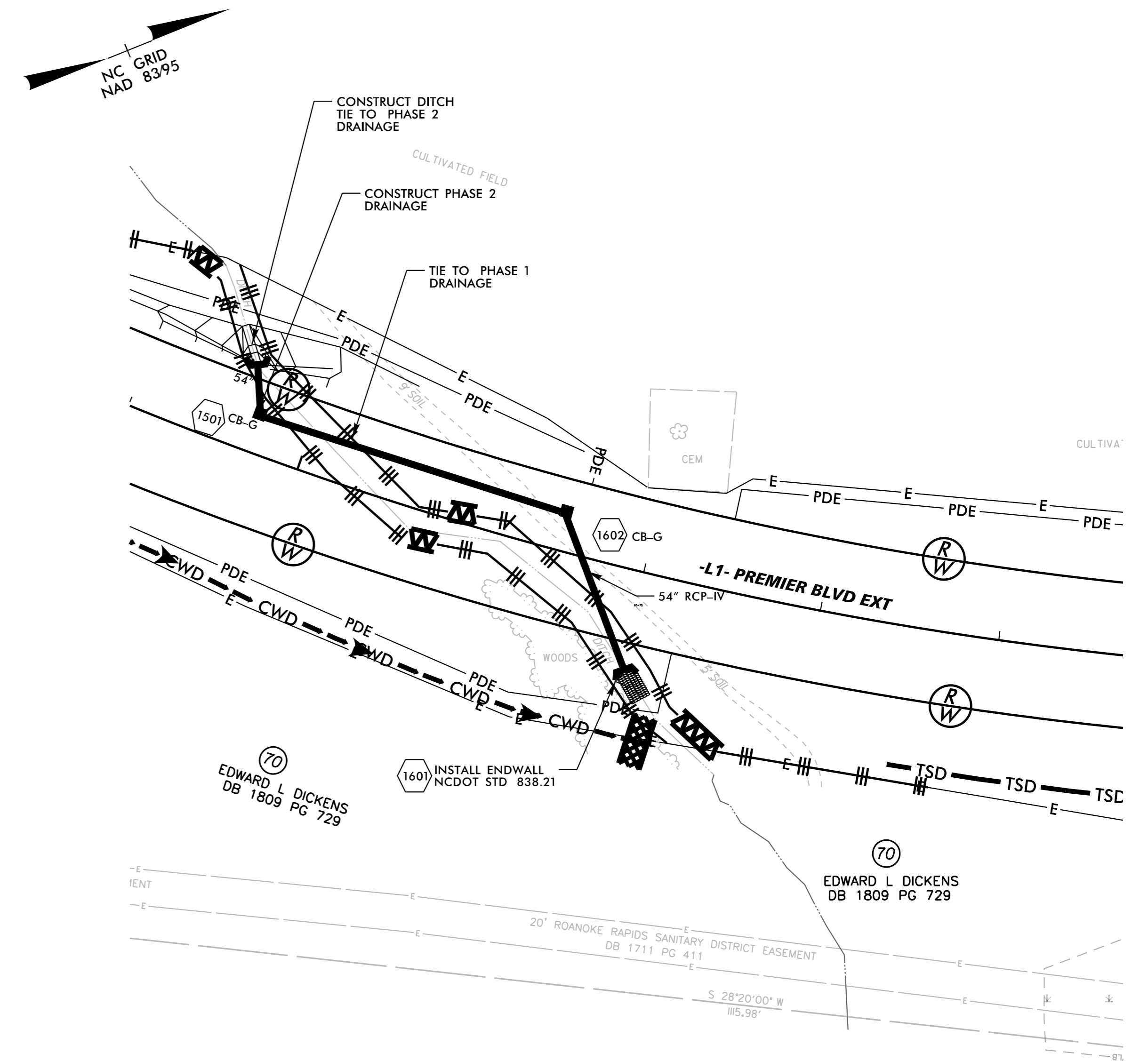
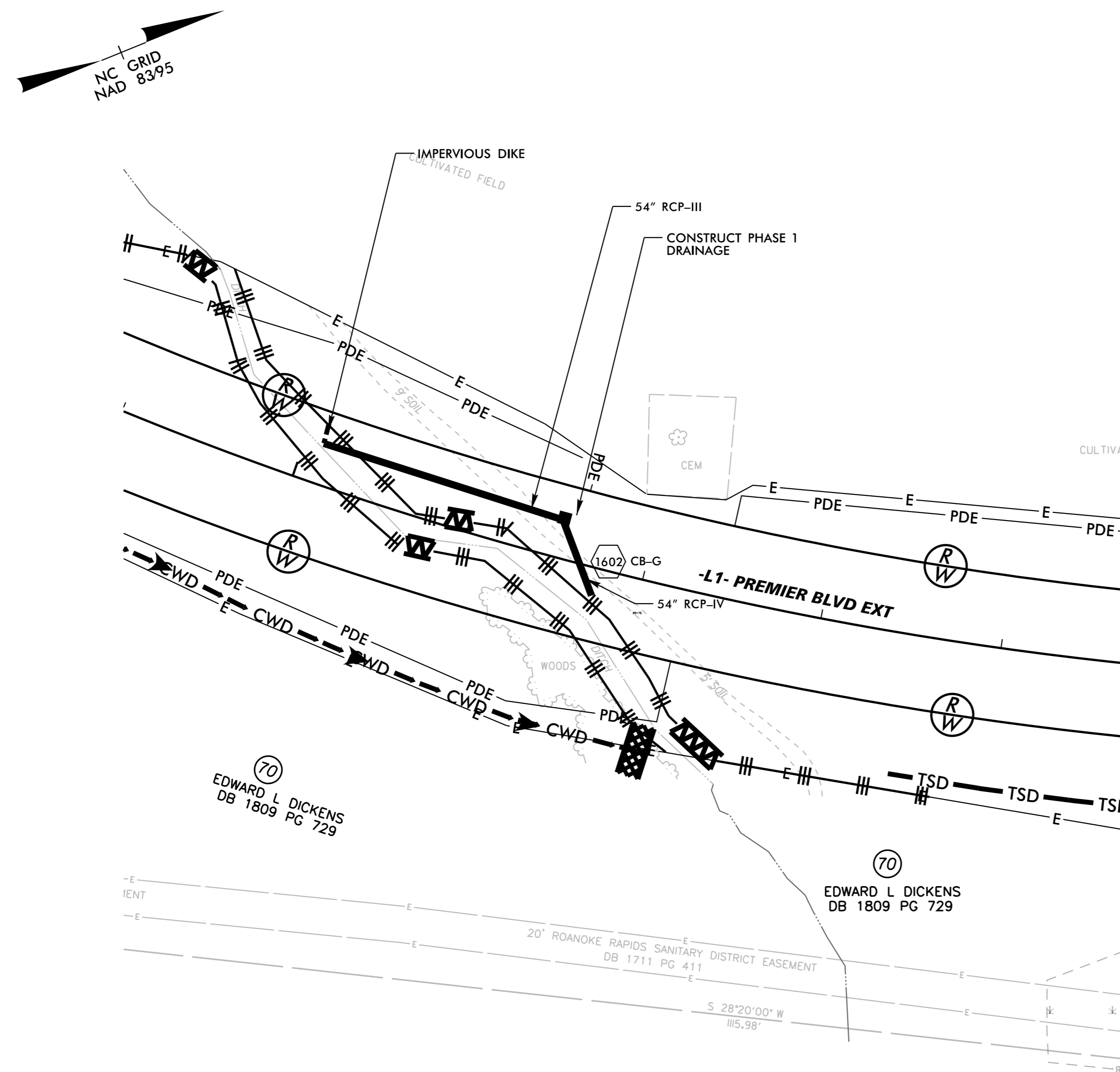
PIPE INSTALLATION SEQUENCE STA. 82+00 -L1-

PHASE 1

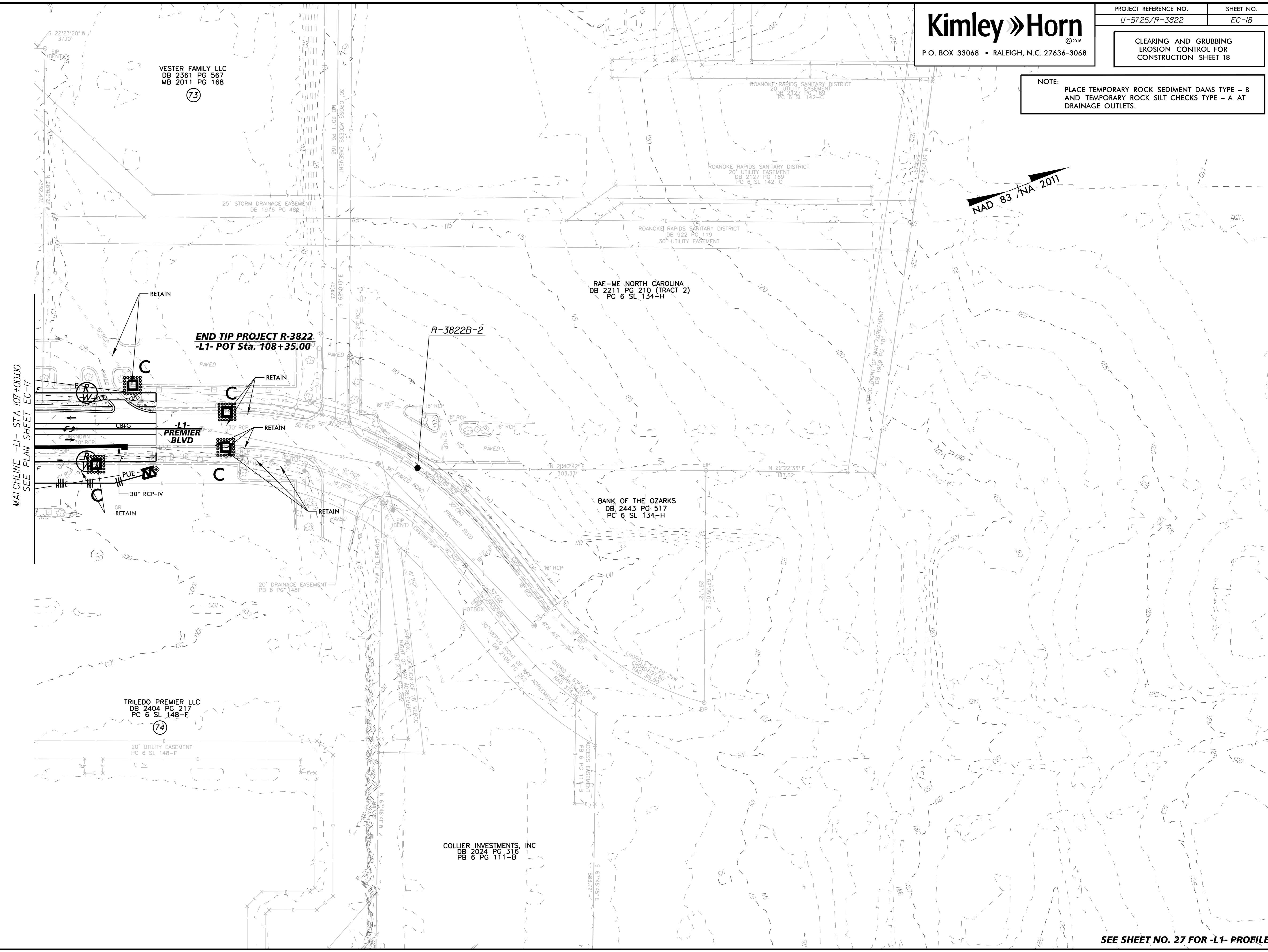
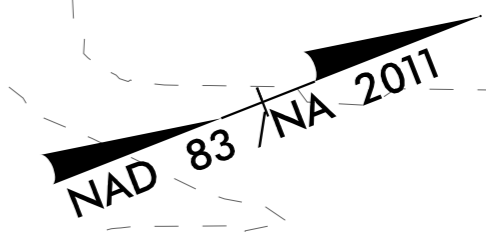
- 1.) INSTALL ALL TEMPORARY EROSION CONTROL MEASURES.
- 2.) UTILIZE SPECIAL STILLING BASINS DURING CONSTRUCTION AS NEEDED.
- 3.) INSTALL IMPERVIOUS DIKE & MAINTAIN EXISTING DITCH FLOW.
- 4.) CONSTRUCT PROPOSED DRAINAGE SYSTEM

PHASE 2

- 1.) CONSTRUCT PIPES, STRUCTURE, AND UPSTREAM DITCH AS SHOWN.
- 2.) EXCAVATE ACCUMULATED SILT AND DEWATER BEFORE REMOVAL OF IMPERVIOUS DIKE.
- 3.) REMOVE IMPERVIOUS DIKE AND CONNECT PIPE TO STORM DRAIN CONSTRUCTED IN PHASE 1.
- 4.) COMPLETE ROADWAY



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



REVISIONS

MATCHLINE -L1- STA 107+00.00
 SEE PLAN SHEET EC-17

5/14/99

6/28/2018

VESTER FAMILY LLC
 DB 2361 PG 567
 MB 2011 PG 168
 (73)

TRILEDO PREMIER LLC
 DB 2404 PG 217
 PC 6 SL 148-F
 (74)

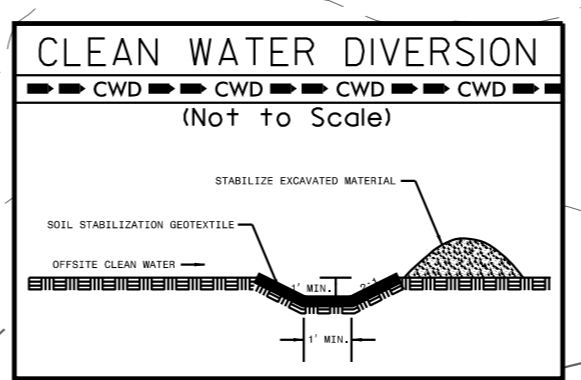
COLLIER INVESTMENTS, INC
 DB 2024 PG 316
 PB 6 PG 111-B

RAE--ME NORTH CAROLINA
 DB 2211 PG 210 (TRACT 2)
 PC 6 SL 134-H

BANK OF THE OZARKS
 DB 2443 PG 517
 PC 6 SL 134-H

SEE SHEET NO. 27 FOR -L1- PROFILE

PI Sta 26+58.52
 $\Delta = 18^{\circ} 25' 43.3" (RT)$
 $D = 5' 43' 46.5"$
 $L = 321.64'$
 $T = 162.22'$
 $R = 1,000.00'$
 $e = 3.6$
 $R_w = 90'$

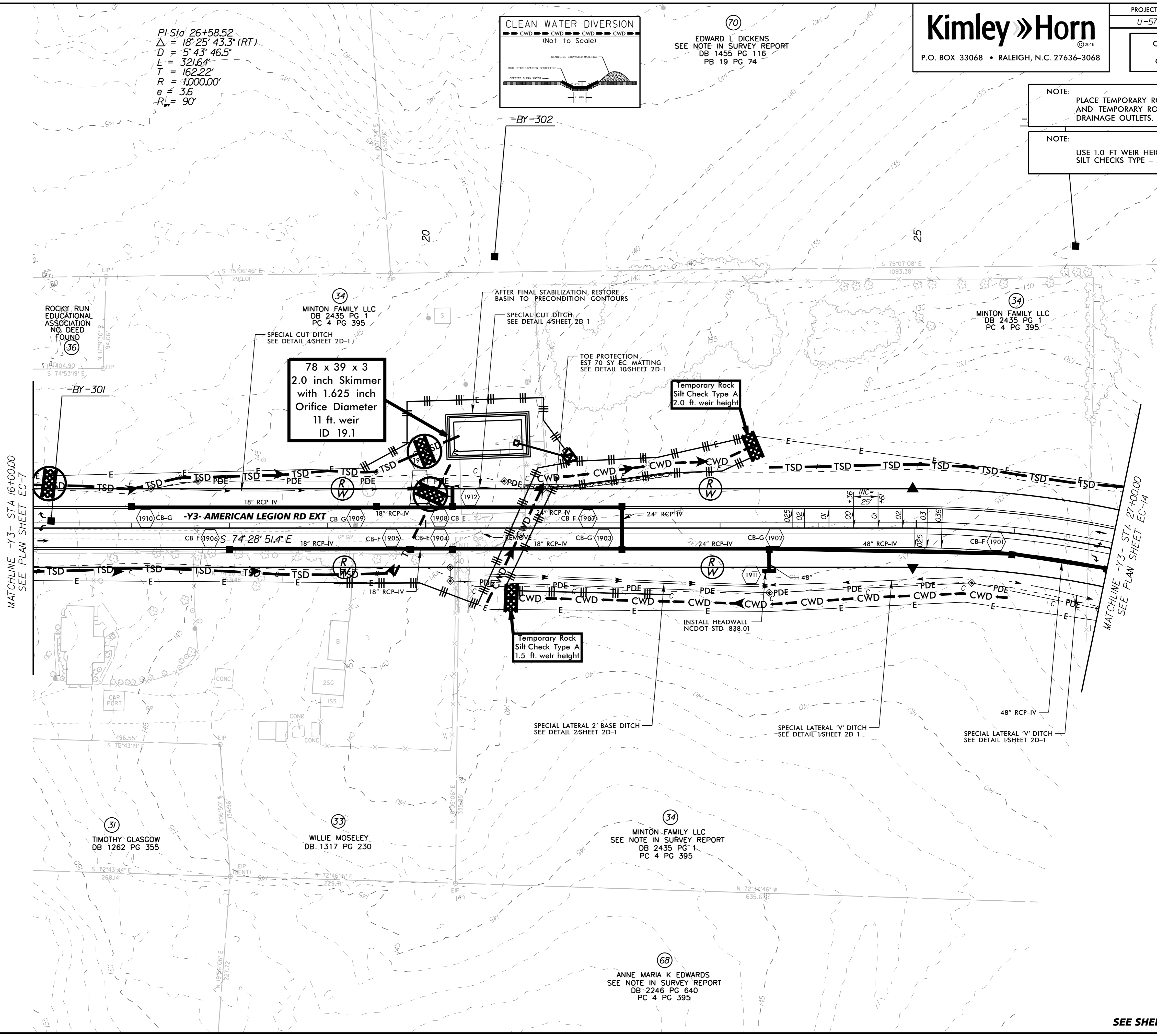


EDWARD L. DICKENS
 SEE NOTE IN SURVEY REPORT
 DB 1455 PG 116
 PB 19 PG 74

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

NOTE:
 USE 1.0 FT WEIR HEIGHT FOR TEMPORARY ROCK
 SILT CHECKS TYPE - A THAT ARE NOT LABELED.

NAD 83 / NA 2011



MATCHLINE -Y3- STA 16+00.00
 SEE PLAN SHEET EC-7

MATCHLINE -Y3- STA 27+00.00
 SEE PLAN SHEET EC-14

REVISIONS

5/14/99

6/28/2018

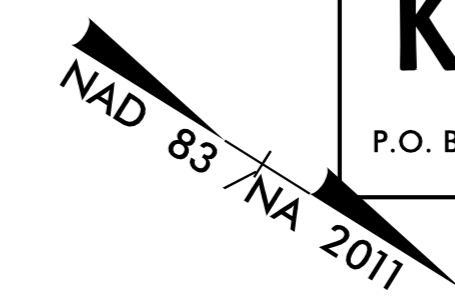
SEE SHEET NO. 28 FOR -Y3- PROFILE

-L-
 PI Sta 12+33.09 Δ = 5° 05' 23.8" (RT) D = 2' 07" 19.4" L = 239.86' T = 120.01' R = 2,700.00'
 PI Sta 29+17.86 Δ = 41° 55' 36.6" (RT) D = 2' 51" 53.2" L = 1,463.52' T = 766.26' R = 2,000.00' e = 4.0 R_{eq} = 192'

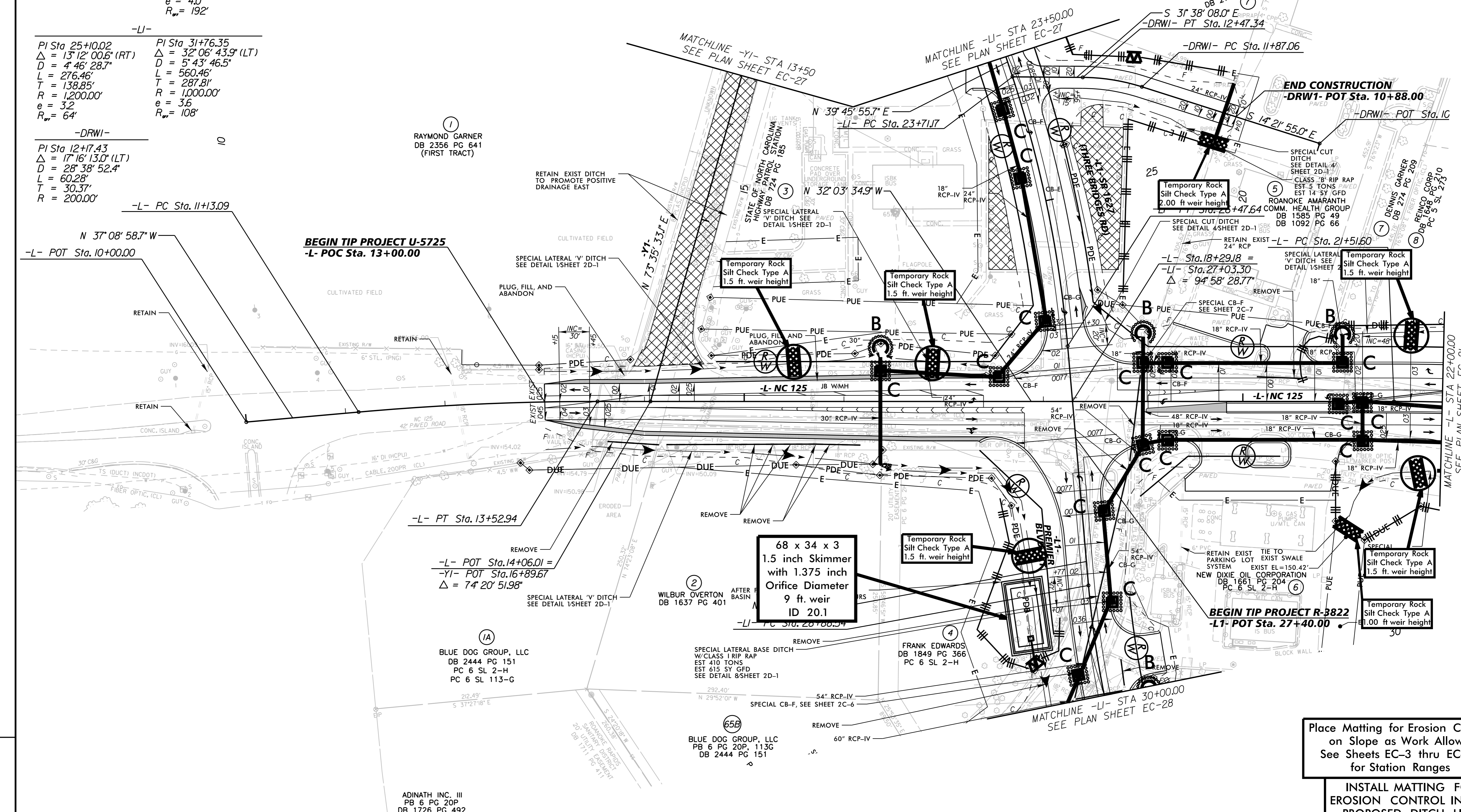
-L1-
 PI Sta 25+10.02 Δ = 13° 12' 00.6" (RT) D = 4' 46" 28.7" L = 276.46' T = 138.85' R = 1,200.00' e = 3.2 R_{eq} = 64'
 PI Sta 31+76.35 Δ = 32° 06' 43.9" (LT) D = 5' 43" 46.5" L = 560.46' T = 287.81' R = 1,000.00' e = 3.6 R_{eq} = 108'

-DRWI-
 PI Sta 12+17.43 Δ = 17° 16' 13.0" (LT) D = 28' 38" 52.4" L = 60.28' T = 30.37' R = 200.00'

AFTER PERMANENT STABILIZATION, FILL AND RESTORE BASIN AREAS TO PRECONSTRUCTION CONTOURS



REVISIONS



Place Matting for Erosion Control on Slope as Work Allows. See Sheets EC-3 thru EC-3B for Station Ranges

INSTALL MATTING FOR EROSION CONTROL IN THE PROPOSED DITCH LINE. SEE SHEETS EC-3A THRU EC-3B FOR STATION RANGES

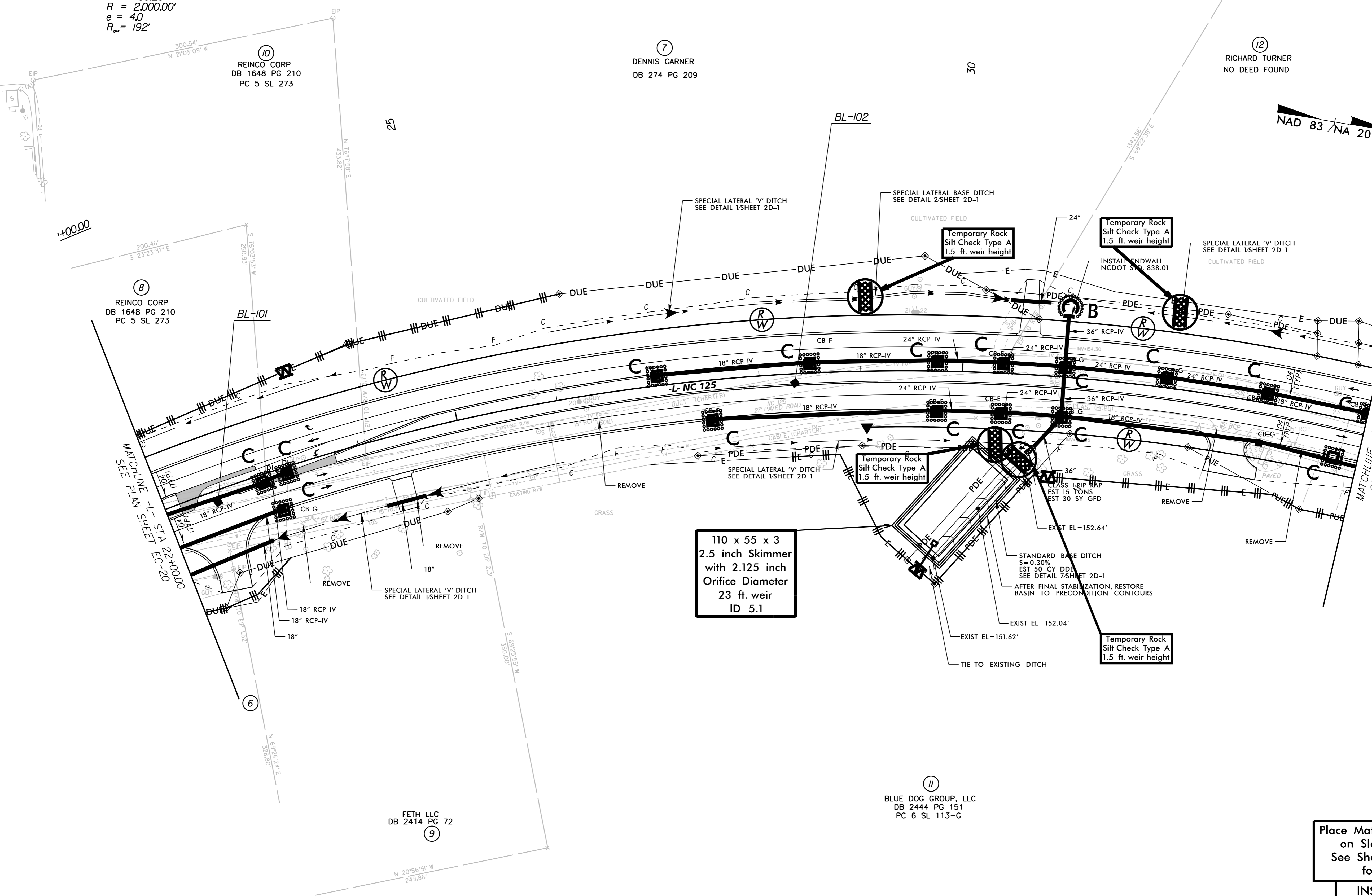
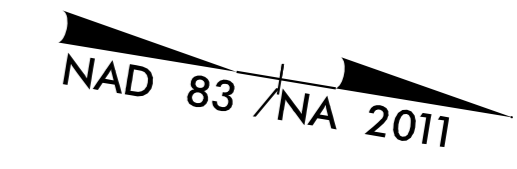
INSTALL PSRM IN THE PROPOSED DITCH LINE. SEE SHEET EC-3B FOR STATION RANGES

SEE SHEET NO. 20 FOR -L- PROFILE
 SEE SHEET NO. 24 FOR -L1- PROFILE
 SEE SHEET NO. 27 FOR -Y1- PROFILE

6/28/2018

-L-
 PI Sta 29+77.86
 $\Delta = 41' 55" 36.6" (RT)$
 $D = 2' 51" 53.2"$
 $L = 1,463.52'$
 $T = 766.26'$
 $R = 2,000.00'$
 $e = 4.0$
 $R_w = 192'$

AFTER PERMANENT STABILIZATION,
 FILL AND RESTORE BASIN AREAS TO
 PRECONSTRUCTION CONTOURS



110 x 55 x 3
 2.5 inch Skimmer
 with 2.125 inch
 Orifice Diameter
 23 ft. weir
 ID 5.1

Temporary Rock
 Silt Check Type A
 1.5 ft. weir height

BLUE DOG GROUP, LLC
 DB 2444 PG 151
 PC 6 SL 113-G

Place Matting for Erosion Control
 on Slope as Work Allows.
 See Sheets EC-3 thru EC-3B
 for Station Ranges

INSTALL MATTING FOR
 EROSION CONTROL IN THE
 PROPOSED DITCH LINE.
 SEE SHEETS EC-3A THRU
 EC-3B FOR STATION RANGES

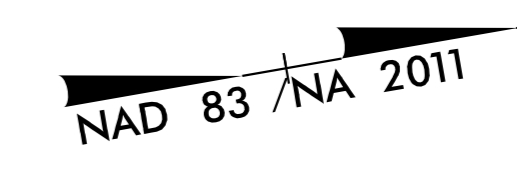
SEE SHEET NO. 20 FOR -L- PROFILE

REVISIONS

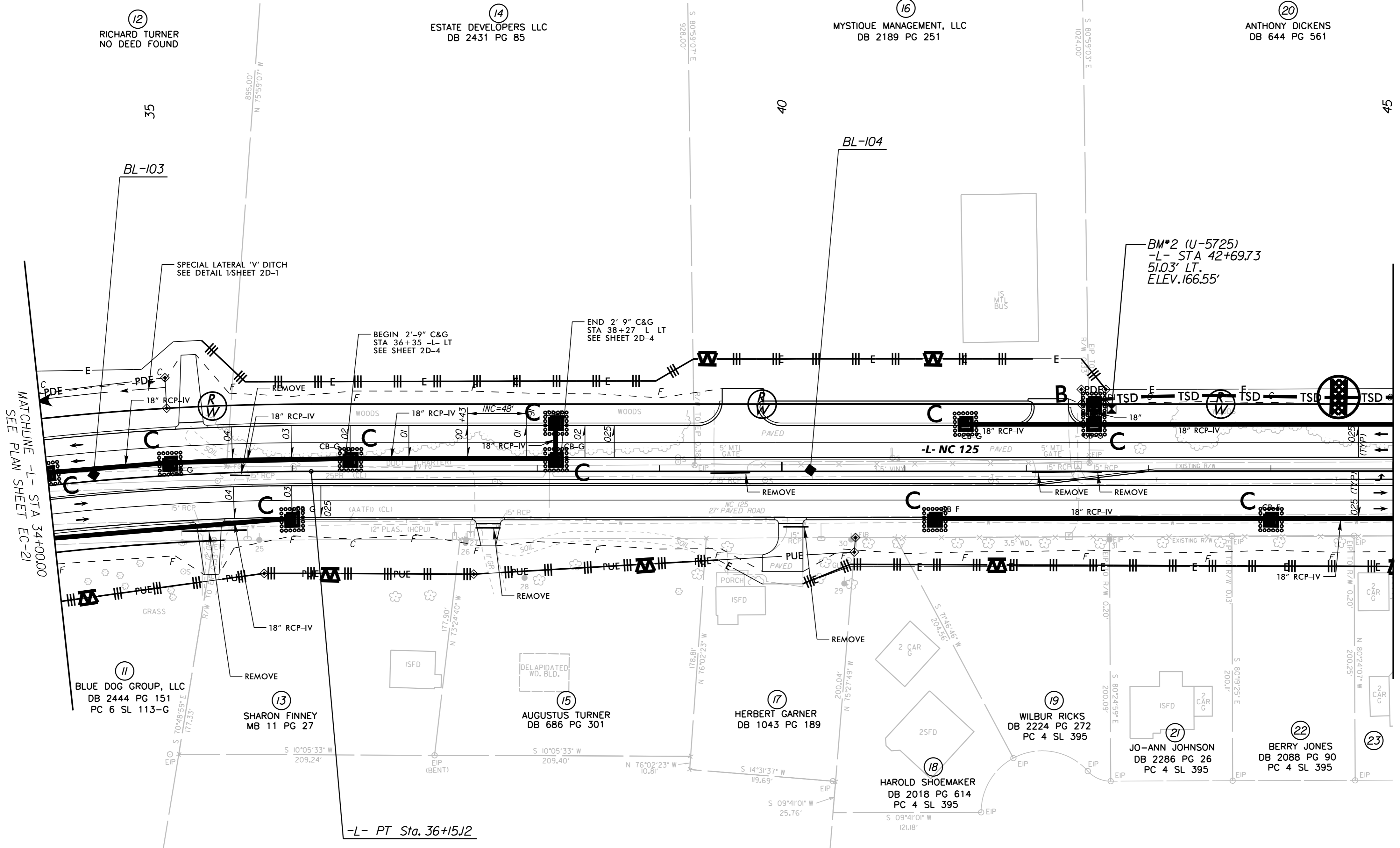
5/14/99

6/28/2018

NOTE:
USE 1.0 FT WEIR HEIGHT FOR TEMPORARY ROCK
SILT CHECKS TYPE - A THAT ARE NOT LABELED.



-L-
PI Sta 29+17.86
 $\Delta = 4' 55' 36.6''$ (RT)
 $D = 2' 51' 53.2''$
 $L = 1,463.52'$
 $T = 766.26'$
 $R = 2,000.00'$
 $e = 4.0$
 $R_w = 192'$



MATCHLINE -L- STA 34+00.00
SEE PLAN SHEET EC-21

MATCHLINE -L- STA 45+00.00
SEE PLAN SHEET EC-23

REVISIONS

5/14/99

6/28/2018

Place Matting for Erosion Control
on Slope as Work Allows.
See Sheets EC-3 thru EC-3B
for Station Ranges

INSTALL MATTING FOR
EROSION CONTROL IN THE
PROPOSED DITCH LINE.
SEE SHEETS EC-3A THRU
EC-3B FOR STATION RANGES

SEE SHEET NO. 21 FOR -L- PROFILE

AFTER PERMANENT STABILIZATION, FILL AND RESTORE BASIN AREAS TO PRECONSTRUCTION CONTOURS

NOTE:
USE 1.0 FT WEIR HEIGHT FOR TEMPORARY ROCK SILT CHECKS TYPE - A THAT ARE NOT LABELED.

BEGIN CONSTRUCTION
-Y3- POT Sta. 8+10.00

-L-
PI Sta 50+34.10
 $\Delta = 2^{\circ} 50' 55.7''$ (RT)
D = 0' 47' 36.9"
L = 358.98'
T = 179.53'
R = 7,220.00'
e = NC

(24) ANNIE HAMILTON
DB 644 PG 554

(27) QUINCEY ADAMS
DB 1626 PG 199

(29) HUBERT MORRIS
DB 2239 PG 158

(32) FLETCHER CARTER
DB 1041 PG 156

MARY LONG
DB 1199 PG 234
PC 2 SL 194

NAD 83 / NA 2011

(44) OTIS LONG JR.
DB 2124 PG 339
PC 2 SL 194

(35) HALIFAX COUNTY
DB 2430 PG 32
PC 2 SL 194

-L- POT Sta. 55+90.19 =
-Y3- PI Sta. 12+50.00
 $\Delta = 93^{\circ} 02' 14.81''$
SPECIAL LATERAL 'V' DITCH
SEE DETAIL 21/SHEET 2D-2

108 x 54 x 3
2.5 inch Skimmer
with 2.125 inch
Orifice Diameter
22 ft. weir
ID 7.1

BL-105

-L- POT Sta. 10+60.00
-Y2- POT Sta. 12+96.20
 $\Delta = 89^{\circ} 45' 32''$

-L- PT Sta. 52+13.56
U5725-3
3 CAR BLK G

SPECIAL LATERAL 'V' DITCH
SEE DETAIL 21/SHEET 2D-2

18" TEMPORARY PIPE

MATCHLINE -L- STA 45+00.00
SEE PLAN SHEET EC-22

MATCHLINE -L- STA 58+00.00
SEE PLAN SHEET EC-24

MATCHLINE -Y3- STA 16+00.00
SEE PLAN SHEET EC-35

END CONSTRUCTION
-Y2- POT Sta. 10+60.00

(25) JERRY CONGLETON
DB 2199 PG 123
PC 4 SL 395

(26) JERRY CONGLETON
DB 1802 PG 338
PC 4 SL 395

(28) ROBERT RAWLINGS
DB 1711 PG 331
PC 4 SL 395

(30) ALPHONZO DIXON
DB 2040 PG 484
PC 4 SL 395

(33A) WILLIE MOSELEY
DB 1317 PG 230

(31) TIMOTHY GLASGOW
DB 1262 PG 355

(33) WILLIE MOSELEY
DB 1317 PG 230

(34) MINTON FAMILY LLC
DB 2435 PG 1
PC 4 PG 395

(36) ROCKY RUN
EDUCATIONAL
ASSOCIATION
NO DEED
FOUND

INSTALL MATTING FOR
EROSION CONTROL IN THE
PROPOSED DITCH LINE.
SEE SHEETS EC-3A THRU
EC-3B FOR STATION RANGES

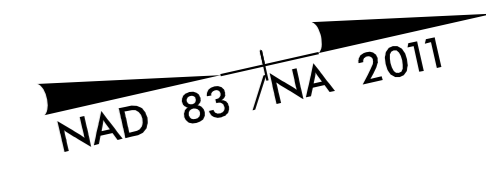
Place Matting for Erosion Control
on Slope as Work Allows.
See Sheets EC-3 thru EC-3B
for Station Ranges

SEE SHEET NO. 21 FOR -L- PROFILE
SEE SHEET NO. 28 FOR -Y2- PROFILE
SEE SHEET NO. 28 FOR -Y3- PROFILE

REVISIONS

5/14/99

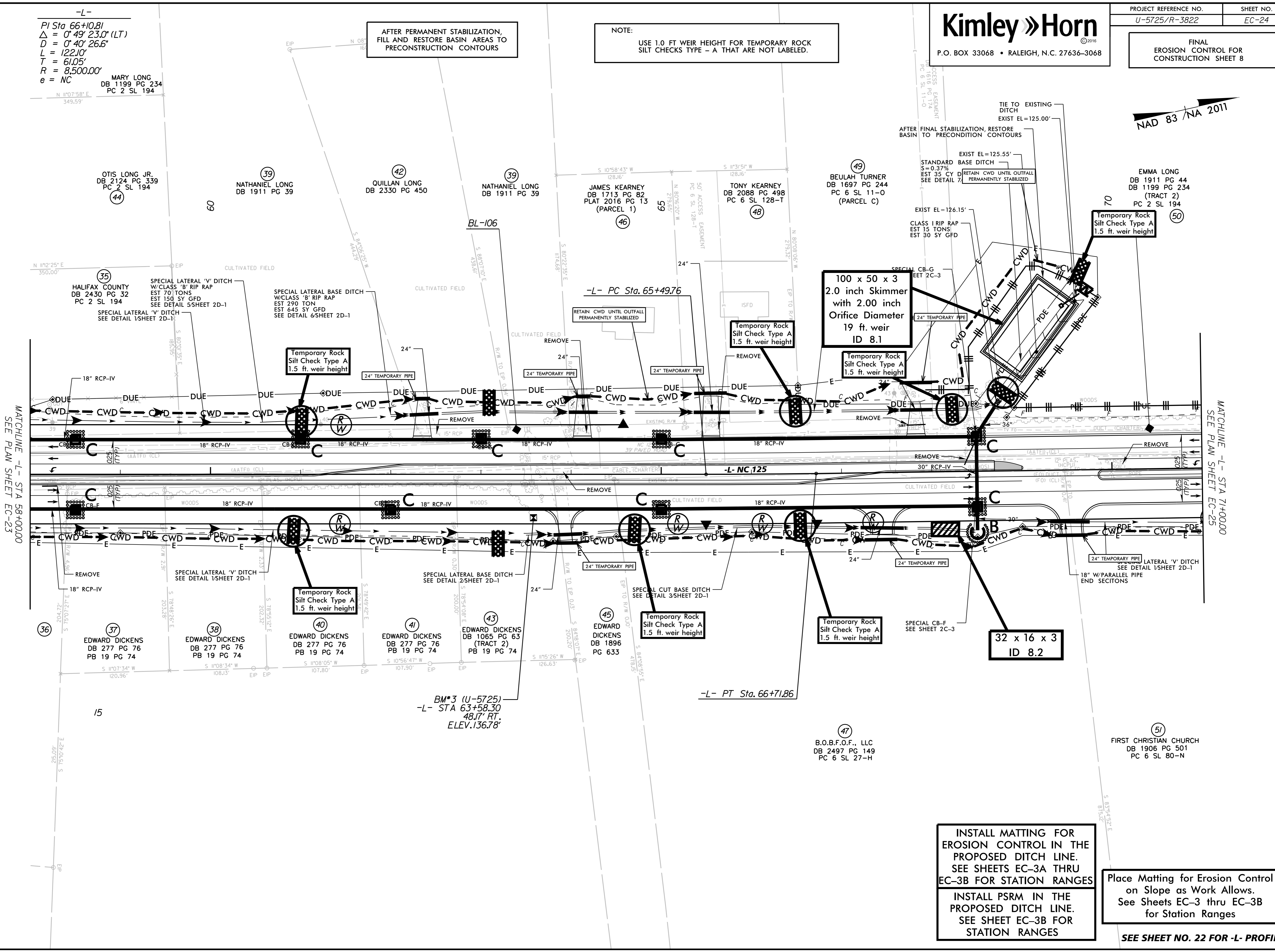
6/28/2018



-L-
 PI Sta 66+10.81
 $\Delta = 0^{\circ} 49' 23.0''$ (LT)
 $D = 0^{\circ} 40' 26.6''$
 $L = 122.10'$
 $T = 61.05'$
 $R = 8,500.00'$
 $e = NC$

AFTER PERMANENT STABILIZATION,
 FILL AND RESTORE BASIN AREAS TO
 PRECONSTRUCTION CONTOURS

NOTE:
 USE 1.0 FT WEIR HEIGHT FOR TEMPORARY ROCK
 SILT CHECKS TYPE - A THAT ARE NOT LABELED.



REVISIONS

6/28/2018

INSTALL MATTING FOR
 EROSION CONTROL IN THE
 PROPOSED DITCH LINE.
 SEE SHEETS EC-3A THRU
 EC-3B FOR STATION RANGES

INSTALL PSRM IN THE
 PROPOSED DITCH LINE.
 SEE SHEET EC-3B FOR
 STATION RANGES

Place Matting for Erosion Control
 on Slope as Work Allows.
 See Sheets EC-3 thru EC-3B
 for Station Ranges

SEE SHEET NO. 22 FOR -L- PROFILE

NOTE:
 USE 1.0 FT WEIR HEIGHT FOR TEMPORARY ROCK SILT CHECKS TYPE - A THAT ARE NOT LABELED.

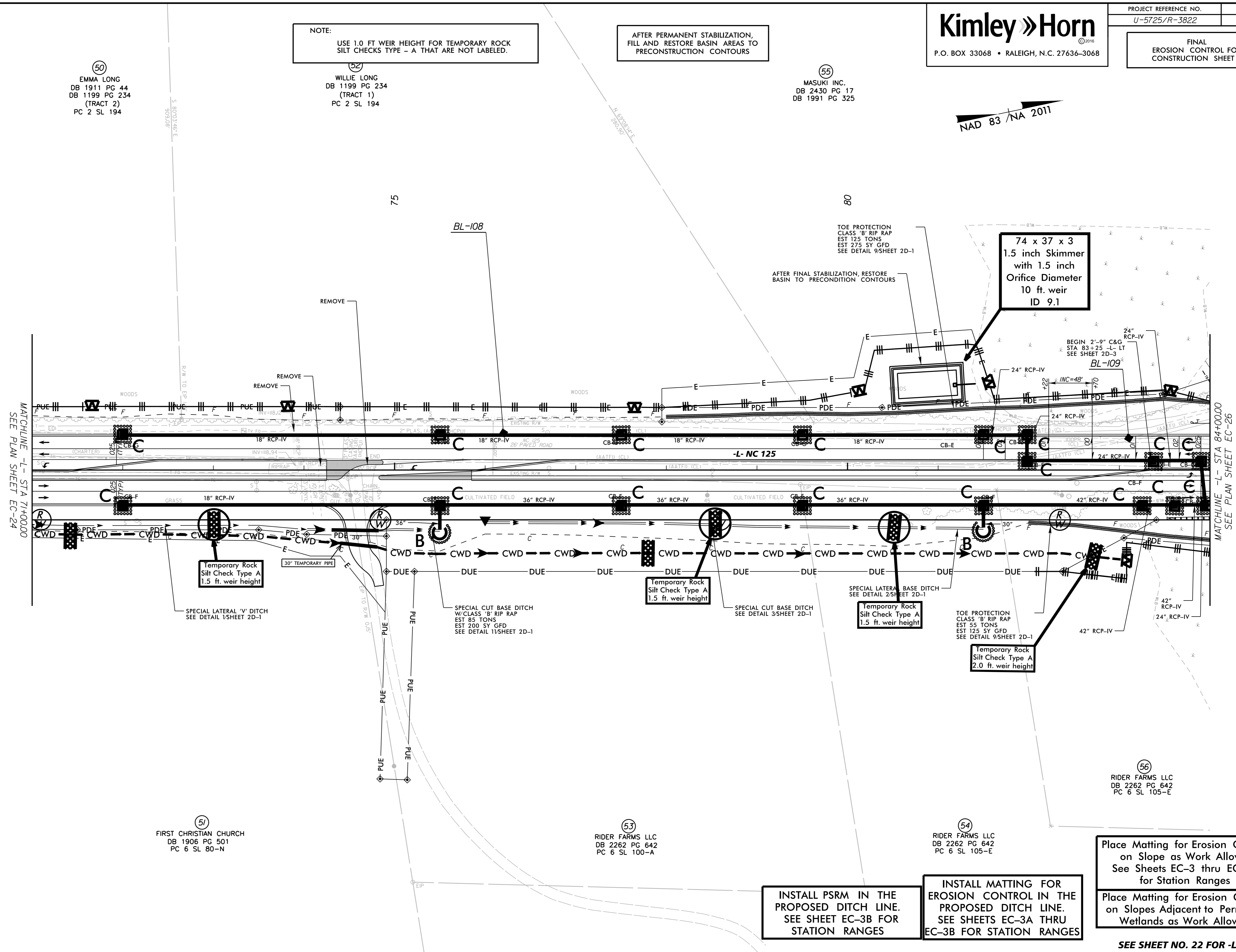
AFTER PERMANENT STABILIZATION,
 FILL AND RESTORE BASIN AREAS TO
 PRECONSTRUCTION CONTOURS

50
 EMMA LONG
 DB 1911 PG 44
 DB 1199 PG 234
 (TRACT 2)
 PC 2 SL 194

52
 WILLIE LONG
 DB 1199 PG 234
 (TRACT 1)
 PC 2 SL 194

55
 MASUKI INC.
 DB 2430 PG 17
 DB 1991 PG 325

NAD 83 / NA 2011



REVISIONS

MATCHLINE -L- STA 74+00.00
 SEE PLAN SHEET EC-24

MATCHLINE -L- STA 84+00.00
 SEE PLAN SHEET EC-26

51
 FIRST CHRISTIAN CHURCH
 DB 1906 PG 501
 PC 6 SL 80-N

53
 RIDER FARMS LLC
 DB 2262 PG 642
 PC 6 SL 100-A

54
 RIDER FARMS LLC
 DB 2262 PG 642
 PC 6 SL 105-E

56
 RIDER FARMS LLC
 DB 2262 PG 642
 PC 6 SL 105-E

INSTALL PSRM IN THE
 PROPOSED DITCH LINE.
 SEE SHEET EC-3B FOR
 STATION RANGES

INSTALL MATTING FOR
 EROSION CONTROL IN THE
 PROPOSED DITCH LINE.
 SEE SHEETS EC-3A THRU
 EC-3B FOR STATION RANGES

Place Matting for Erosion Control
 on Slope as Work Allows.
 See Sheets EC-3 thru EC-3B
 for Station Ranges

Place Matting for Erosion Control
 on Slopes Adjacent to Permitted
 Wetlands as Work Allows.

SEE SHEET NO. 22 FOR -L- PROFILE

6/28/2018

NOTE:
USE 1.0 FT WEIR HEIGHT FOR TEMPORARY ROCK SILT CHECKS TYPE - A THAT ARE NOT LABELED.

AFTER PERMANENT STABILIZATION,
FILL AND RESTORE BASIN AREAS TO
PRECONSTRUCTION CONTOURS

NAD 83 / NA 2011

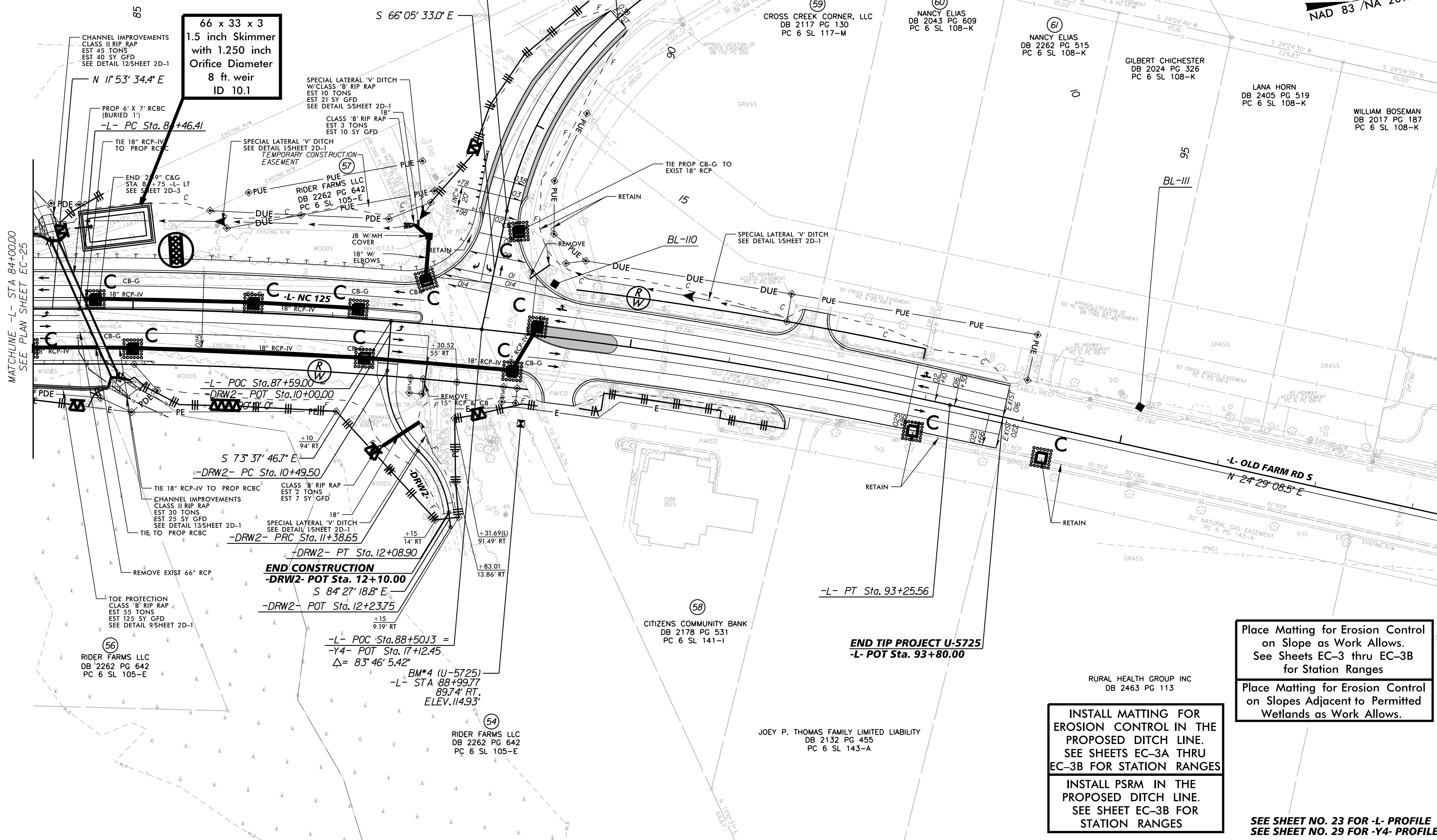
-L-	-Y4-
PI Sta 88+87.76 Δ = 12° 35' 34.1" (RT) D = 1' 25" 56.6" L = 879.14' T = 441.35' R = 4,000.00' e = RC R _W = 120'	PI Sta 12+36.98 Δ = 1° 18' 03.4" (LT) D = 5' 43" 46.5" L = 22.71' T = 11.35' R = 1,000.00'
PI Sta 10+97.28 Δ = 51° 04' 39.4" (LT) D = 57° 17' 44.8" L = 89.15' T = 47.78' R = 100.00'	PI Sta 14+50.78 Δ = 47° 37' 20.1" (LT) D = 15' 54" 55.8" L = 299.22' T = 158.86' R = 360.00' e = 3.8 R _W = 76'
PI Sta 11+75.29 Δ = 40° 15' 07.4" (RT) D = 57° 17' 44.8" L = 70.25' T = 36.65' R = 100.00'	

GOOD NEWS BAPTIST CHURCH OF
ROANOKE RAPIDS INC
DB 2319 PG 507
MB 17 PG 89

-Y4- PC Sta. 12+25.63
-Y4- PT Sta. 12+48.33
S 18° 28' 12.9" E
-Y4- PC Sta. 12+91.92

BEGIN CONSTRUCTION
-Y4- POC Sta. 13+65.00

-Y4- POT Sta. 10+00.00



MATCHLINE -L- STA 84+00.00
SEE PLAN SHEET EC-25

END TIP PROJECT U-5725
-L- POT Sta. 93+80.00

END CONSTRUCTION
-DRW2- POT Sta. 12+10.00
S 84° 27' 18.8" E
-DRW2- POT Sta. 12+23.75

-L- POC Sta. 88+50.13 =
-Y4- POT Sta. 17+12.45
Δ = 83° 46' 5.42"
BM*4 (U-5725)
-L- STA 88+99.77
89.74' RT.
ELEV. 114.93'

INSTALL MATTING FOR
EROSION CONTROL IN THE
PROPOSED DITCH LINE.
SEE SHEETS EC-3A THRU
EC-3B FOR STATION RANGES

INSTALL PSRM IN THE
PROPOSED DITCH LINE.
SEE SHEET EC-3B FOR
STATION RANGES

Place Matting for Erosion Control
on Slope as Work Allows.
See Sheets EC-3 thru EC-3B
for Station Ranges

Place Matting for Erosion Control
on Slopes Adjacent to Permitted
Wetlands as Work Allows.

SEE SHEET NO. 23 FOR -L- PROFILE
SEE SHEET NO. 29 FOR -Y4- PROFILE

REVISIONS

5/14/99

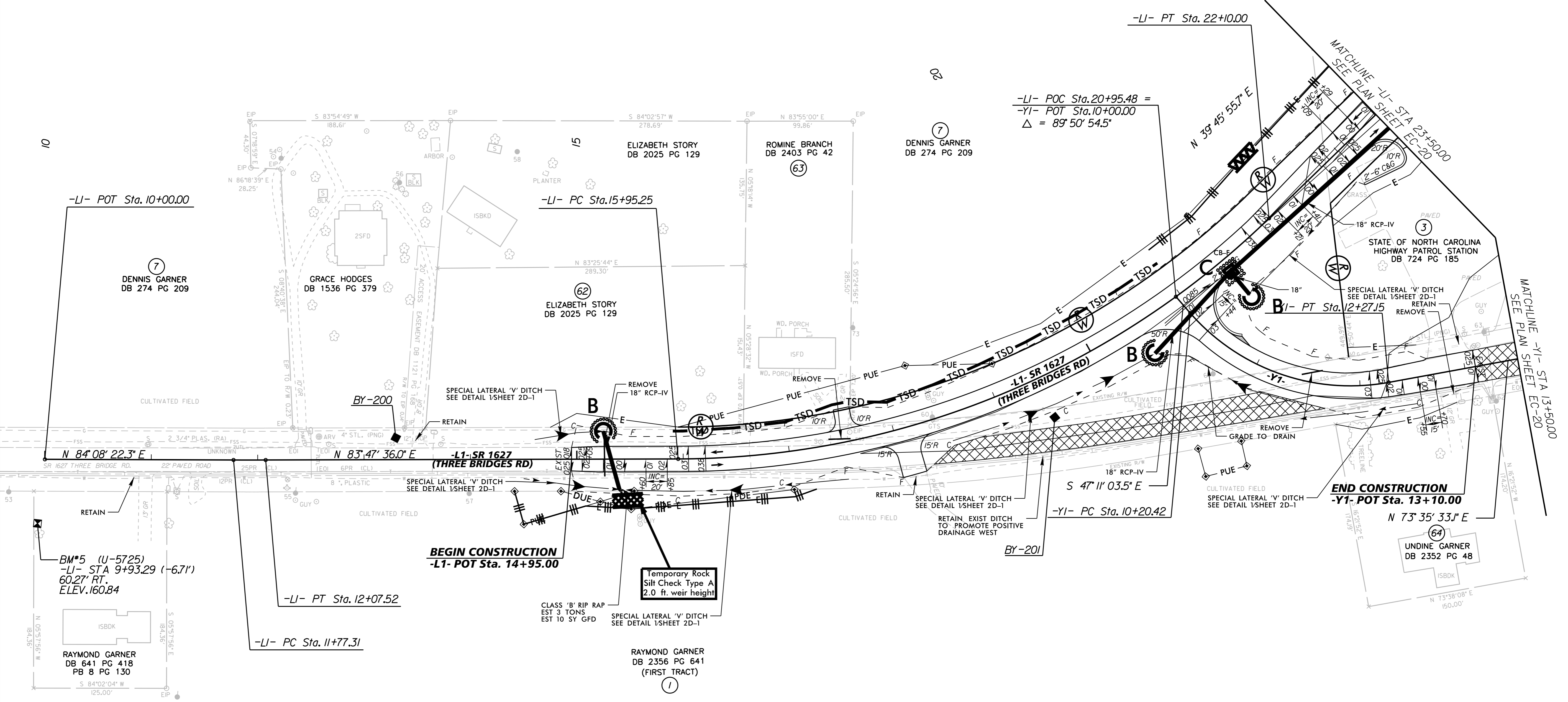
6/28/2018

NOTE:
 USE 1.0 FT WEIR HEIGHT FOR TEMPORARY ROCK
 SILT CHECKS TYPE - A THAT ARE NOT LABELED.

-LI-		-YI-	
PI Sta 11+92.42	PI Sta 19+18.70	PI Sta 11+34.09	PI Sta 11+34.09
$\Delta = 0' 20' 46.2''$ (LT)	$\Delta = 44' 01' 40.4''$ (LT)	$\Delta = 59' 13' 23.4''$ (LT)	$\Delta = 59' 13' 23.4''$ (LT)
$D = 1' 08' 45.3''$	$D = 7' 09' 43.1''$	$D = 28' 38' 52.4''$	$D = 28' 38' 52.4''$
$L = 30.21'$	$L = 614.75'$	$L = 206.73'$	$L = 206.73'$
$T = 15.10'$	$T = 323.45'$	$T = 113.67'$	$T = 113.67'$
$R = 5,000.00'$	$R = 800.00'$	$R = 200.00'$	$R = 200.00'$
	$e = 3.8$	$e = 3.0$	$e = 3.0$
	$R_{we} = 76'$	$R_{we} = 15'$	$R_{we} = 15'$

NAD 83 / NA 2011

REVISIONS



BM#5 (U-5725)
 -LI- STA 9+93.29 (-6.71')
 60.27' RT.
 ELEV. 160.84

RAYMOND GARNER
 DB 641 PG 418
 PB 8 PG 130

Temporary Rock
 Silt Check Type A
 2.0 ft. weir height

RAYMOND GARNER
 DB 2356 PG 641
 (FIRST TRACT)

Place Matting for Erosion Control
 on Slope as Work Allows.
 See Sheets EC-3 thru EC-3B
 for Station Ranges

INSTALL MATTING FOR
 EROSION CONTROL IN THE
 PROPOSED DITCH LINE.
 SEE SHEETS EC-3A THRU
 EC-3B FOR STATION RANGES

SEE SHEET NO. 23 FOR -L1- PROFILE
 SEE SHEET NO. 27 FOR -Y1- PROFILE

5/14/99

6/28/2018

Place Matting for Erosion Control on Slope as Work Allows. See Sheets EC-3 thru EC-3B for Station Ranges

Place Matting for Erosion Control on Slopes Adjacent to Permitted Wetlands as Work Allows.

INSTALL MATTING FOR EROSION CONTROL IN THE PROPOSED DITCH LINE. SEE SHEETS EC-3A THRU EC-3B FOR STATION RANGES

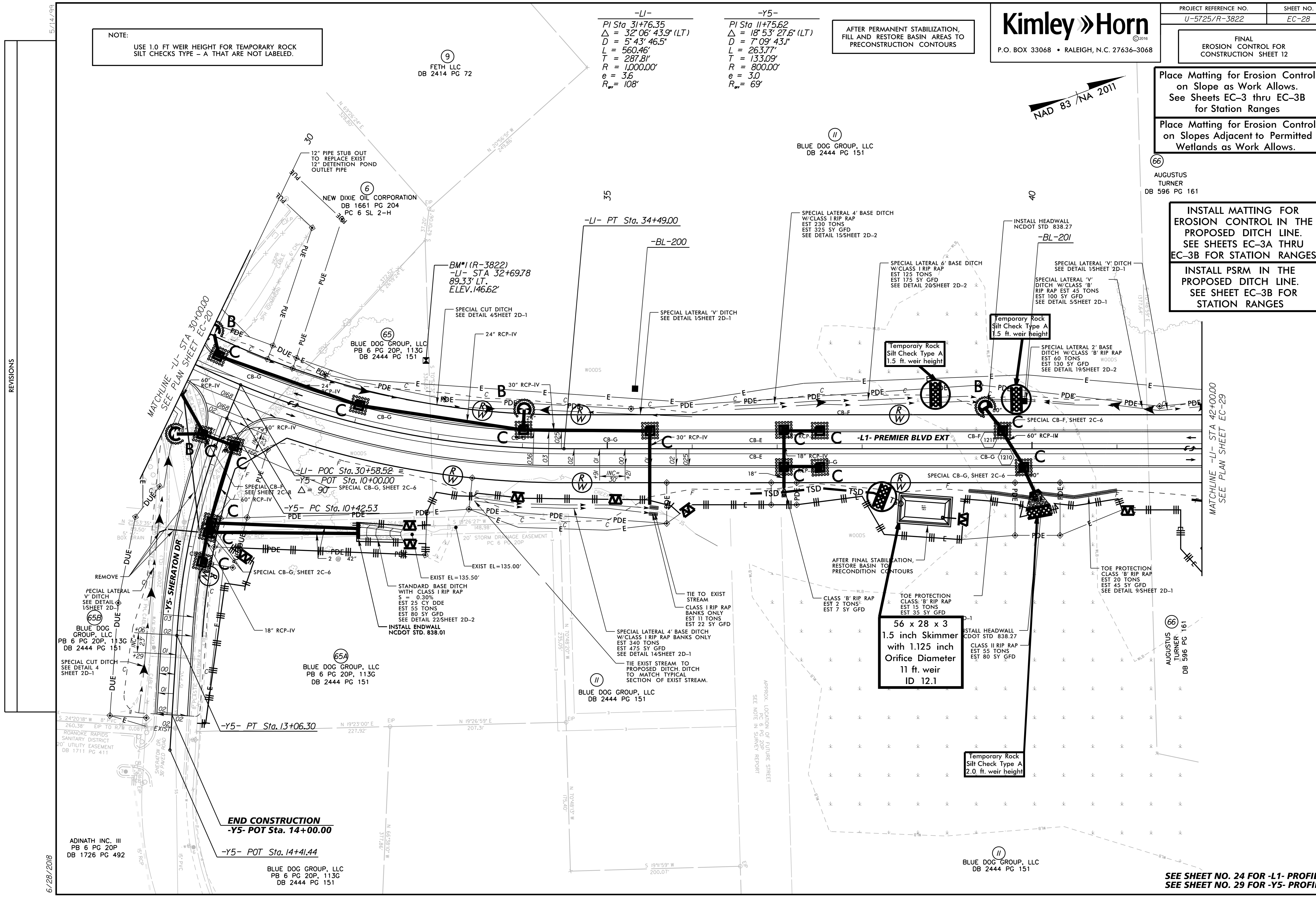
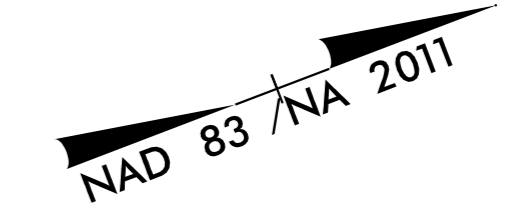
INSTALL PSRM IN THE PROPOSED DITCH LINE. SEE SHEET EC-3B FOR STATION RANGES

NOTE:
USE 1.0 FT WEIR HEIGHT FOR TEMPORARY ROCK SILT CHECKS TYPE - A THAT ARE NOT LABELED.

-LI-
PI Sta 31+76.35
 $\Delta = 32^{\circ}06'43.9''$ (LT)
D = 5'43'46.5"
L = 560.46'
T = 287.81'
R = 1,000.00'
e = 3.6
R_u = 108'

-Y5-
PI Sta 11+75.62
 $\Delta = 18^{\circ}53'27.6''$ (LT)
D = 7'09'43.1"
L = 263.77'
T = 133.09'
R = 800.00'
e = 3.0
R_u = 69'

AFTER PERMANENT STABILIZATION, FILL AND RESTORE BASIN AREAS TO PRECONSTRUCTION CONTOURS



REVISIONS

5/14/1999

6/28/2018

ADINATH INC. III
PB 6 PG 20P
DB 1726 PG 492

BLUE DOG GROUP, LLC
PB 6 PG 20P, 113G
DB 2444 PG 151

BLUE DOG GROUP, LLC
DB 2444 PG 151

AUGUSTUS TURNER
DB 596 PG 161

SEE SHEET NO. 24 FOR -L1- PROFILE
SEE SHEET NO. 29 FOR -Y5- PROFILE

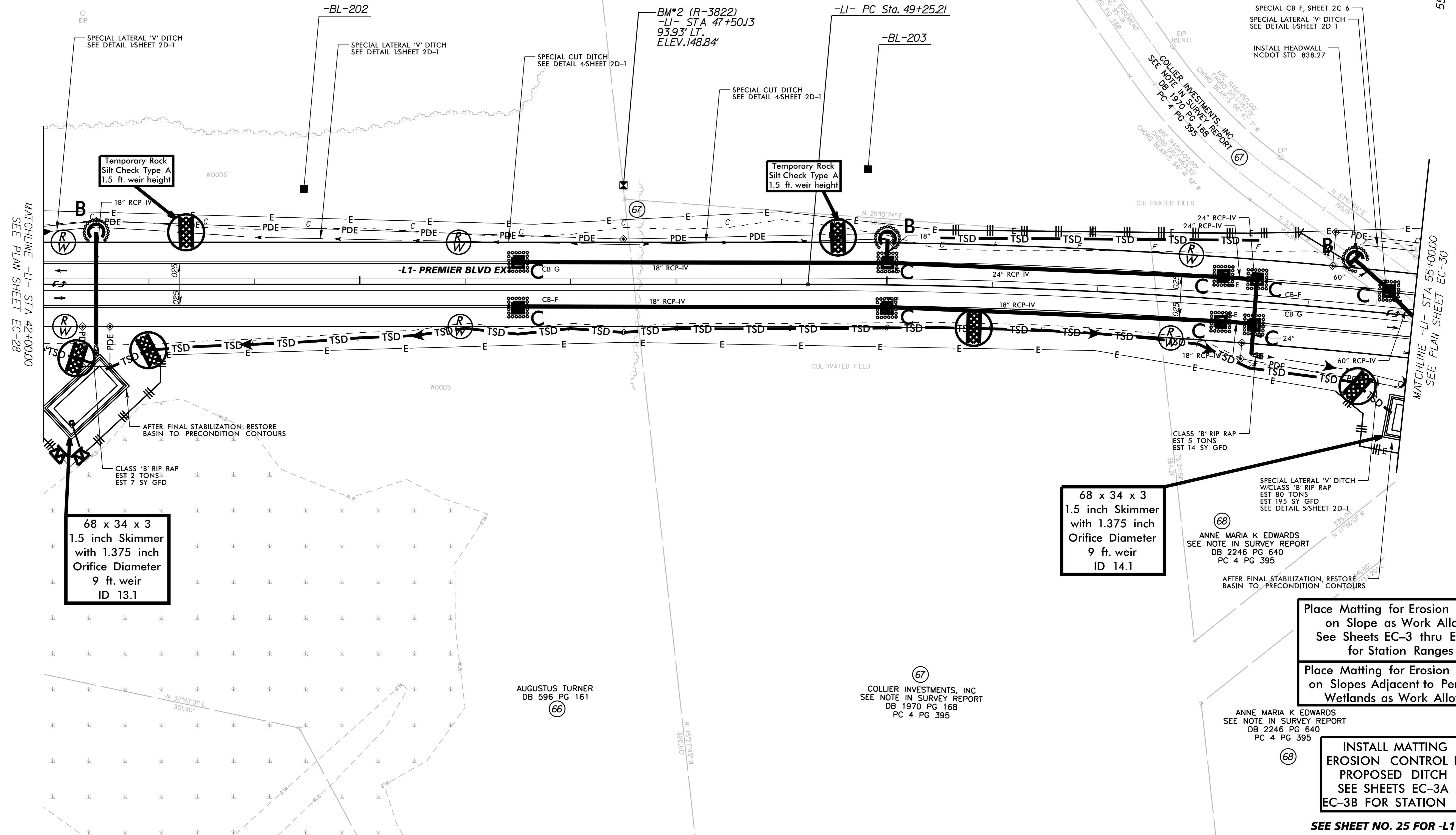
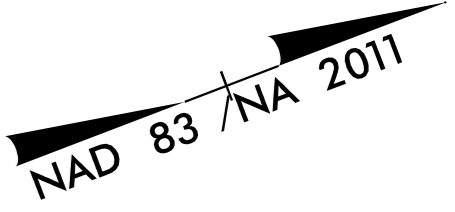
-LI-
 PI Sta 55+85.50
 $\Delta = 13^{\circ} 41' 29.0''$ (RT)
 $D = 1^{\circ} 02' 30.3''$
 $L = 1,314.28'$
 $T = 660.28'$
 $R = 5,500.00'$
 $e = NC$

AFTER PERMANENT STABILIZATION,
 FILL AND RESTORE BASIN AREAS TO
 PRECONSTRUCTION CONTOURS

NOTE:
 USE 1.0 FT WEIR HEIGHT FOR TEMPORARY ROCK
 SILT CHECKS TYPE - A THAT ARE NOT LABELED.

68 ANNE MARIA K EDWARDS
 SEE NOTE IN SURVEY REPORT
 DB 2246 PG 640
 PC 4 PG 395

68 ANNE MARIA K EDWARDS
 SEE NOTE IN SURVEY REPORT
 DB 2246 PG 640
 PC 4 PG 395



68 x 34 x 3
 1.5 inch Skimmer
 with 1.375 inch
 Orifice Diameter
 9 ft. weir
 ID 13.1

68 x 34 x 3
 1.5 inch Skimmer
 with 1.375 inch
 Orifice Diameter
 9 ft. weir
 ID 14.1

Place Matting for Erosion Control
 on Slope as Work Allows.
 See Sheets EC-3 thru EC-3B
 for Station Ranges

Place Matting for Erosion Control
 on Slopes Adjacent to Permitted
 Wetlands as Work Allows.

INSTALL MATTING FOR
 EROSION CONTROL IN THE
 PROPOSED DITCH LINE.
 SEE SHEETS EC-3A THRU
 EC-3B FOR STATION RANGES

SEE SHEET NO. 25 FOR -L1- PROFILE

REVISIONS

5/14/99

6/28/2018

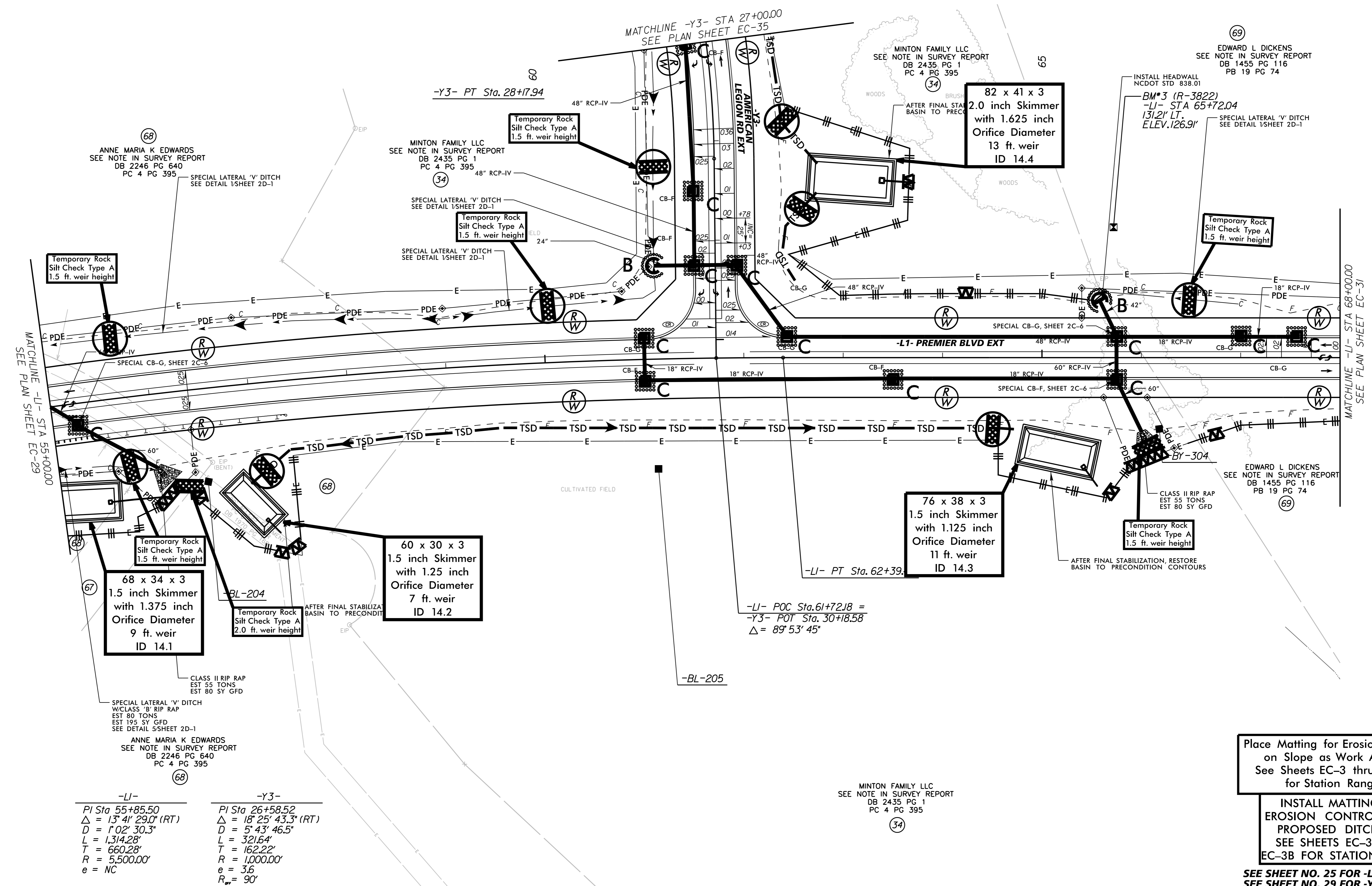
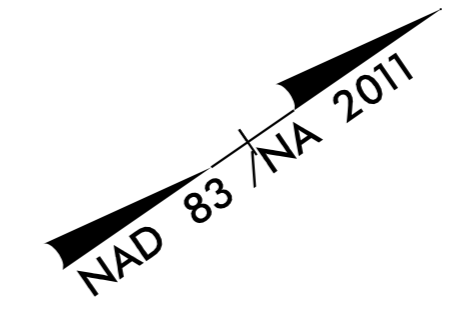
MATCHLINE -LI- STA 42+00.00
 SEE PLAN SHEET EC-28

MATCHLINE -LI- STA 55+00.00
 SEE PLAN SHEET EC-30

5/14/99

AFTER PERMANENT STABILIZATION,
 FILL AND RESTORE BASIN AREAS TO
 PRECONSTRUCTION CONTOURS

NOTE:
 USE 1.0 FT WEIR HEIGHT FOR TEMPORARY ROCK
 SILT CHECKS TYPE - A THAT ARE NOT LABELED.



REVISIONS

-L1-	-Y3-
PI Sta 55+85.50	PI Sta 26+58.52
$\Delta = 13^\circ 41' 29.0''$ (RT)	$\Delta = 18^\circ 25' 43.3''$ (RT)
$D = 1^\circ 02' 30.3''$	$D = 5^\circ 43' 46.5''$
$L = 1,314.28'$	$L = 321.64'$
$T = 660.28'$	$T = 162.22'$
$R = 5,500.00'$	$R = 1,000.00'$
$e = NC$	$e = 3.6$
	$R_w = 90'$

Place Matting for Erosion Control
 on Slope as Work Allows.
 See Sheets EC-3 thru EC-3B
 for Station Ranges

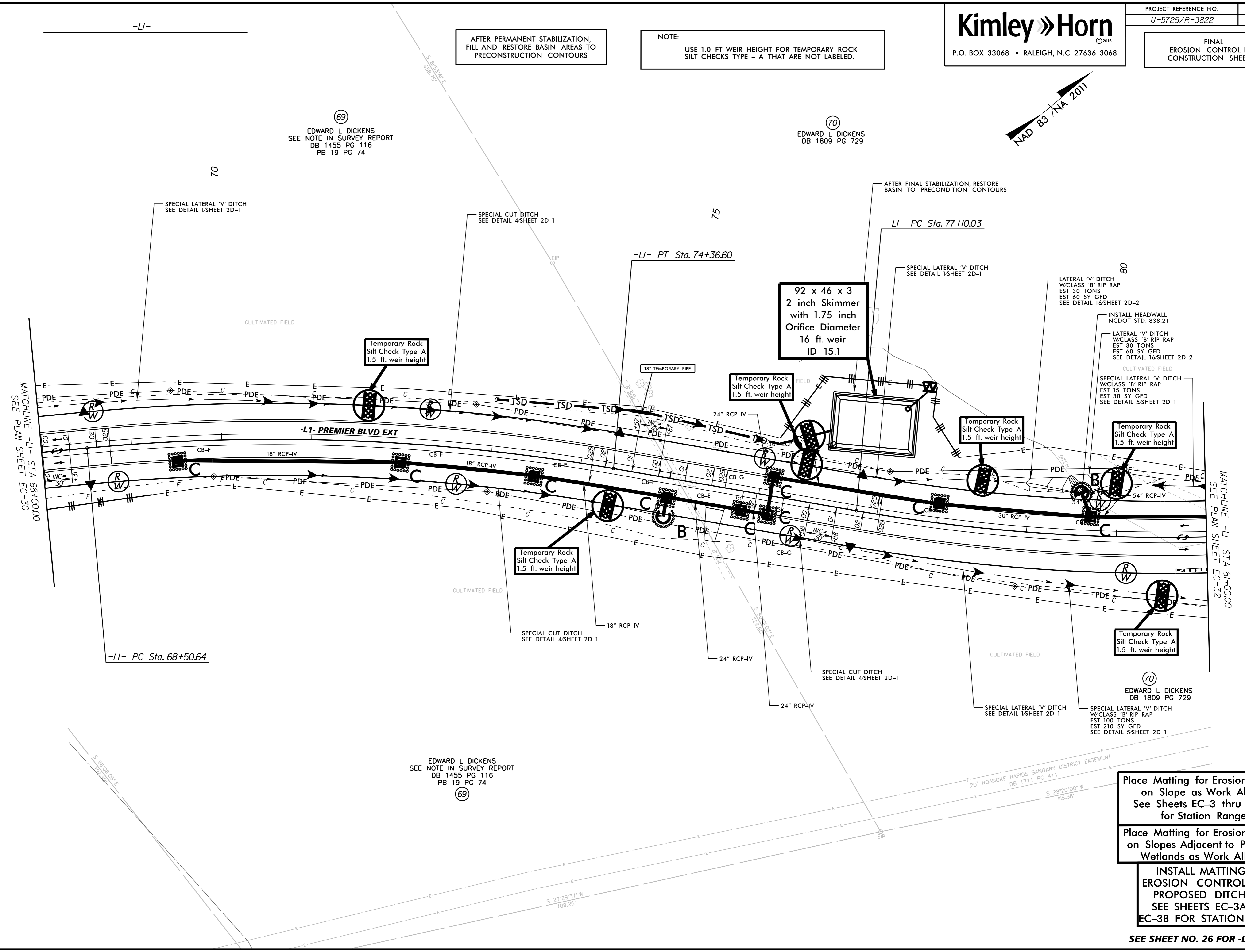
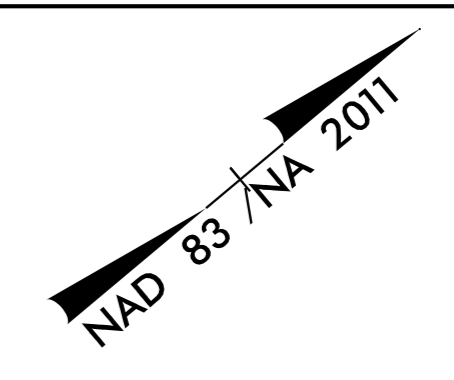
INSTALL MATTING FOR
 EROSION CONTROL IN THE
 PROPOSED DITCH LINE.
 SEE SHEETS EC-3A THRU
 EC-3B FOR STATION RANGES

SEE SHEET NO. 25 FOR -L1- PROFILE
 SEE SHEET NO. 29 FOR -Y3- PROFILE

6/28/2018

AFTER PERMANENT STABILIZATION,
 FILL AND RESTORE BASIN AREAS TO
 PRECONSTRUCTION CONTOURS

NOTE:
 USE 1.0 FT WEIR HEIGHT FOR TEMPORARY ROCK
 SILT CHECKS TYPE - A THAT ARE NOT LABELED.



REVISIONS

5/14/99

6/28/2018

69
 EDWARD L DICKENS
 SEE NOTE IN SURVEY REPORT
 DB 1455 PG 116
 PB 19 PG 74

70
 EDWARD L DICKENS
 DB 1809 PG 729

EDWARD L DICKENS
 SEE NOTE IN SURVEY REPORT
 DB 1455 PG 116
 PB 19 PG 74
 69

70
 EDWARD L DICKENS
 DB 1809 PG 729

Place Matting for Erosion Control
 on Slope as Work Allows.
 See Sheets EC-3 thru EC-3B
 for Station Ranges

Place Matting for Erosion Control
 on Slopes Adjacent to Permitted
 Wetlands as Work Allows.

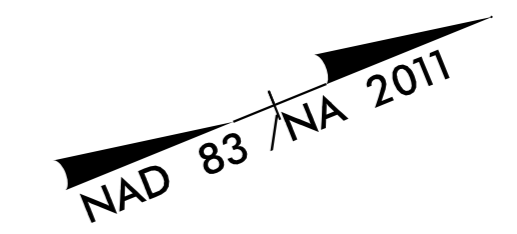
INSTALL MATTING FOR
 EROSION CONTROL IN THE
 PROPOSED DITCH LINE.
 SEE SHEETS EC-3A THRU
 EC-3B FOR STATION RANGES

SEE SHEET NO. 26 FOR -L1- PROFILE

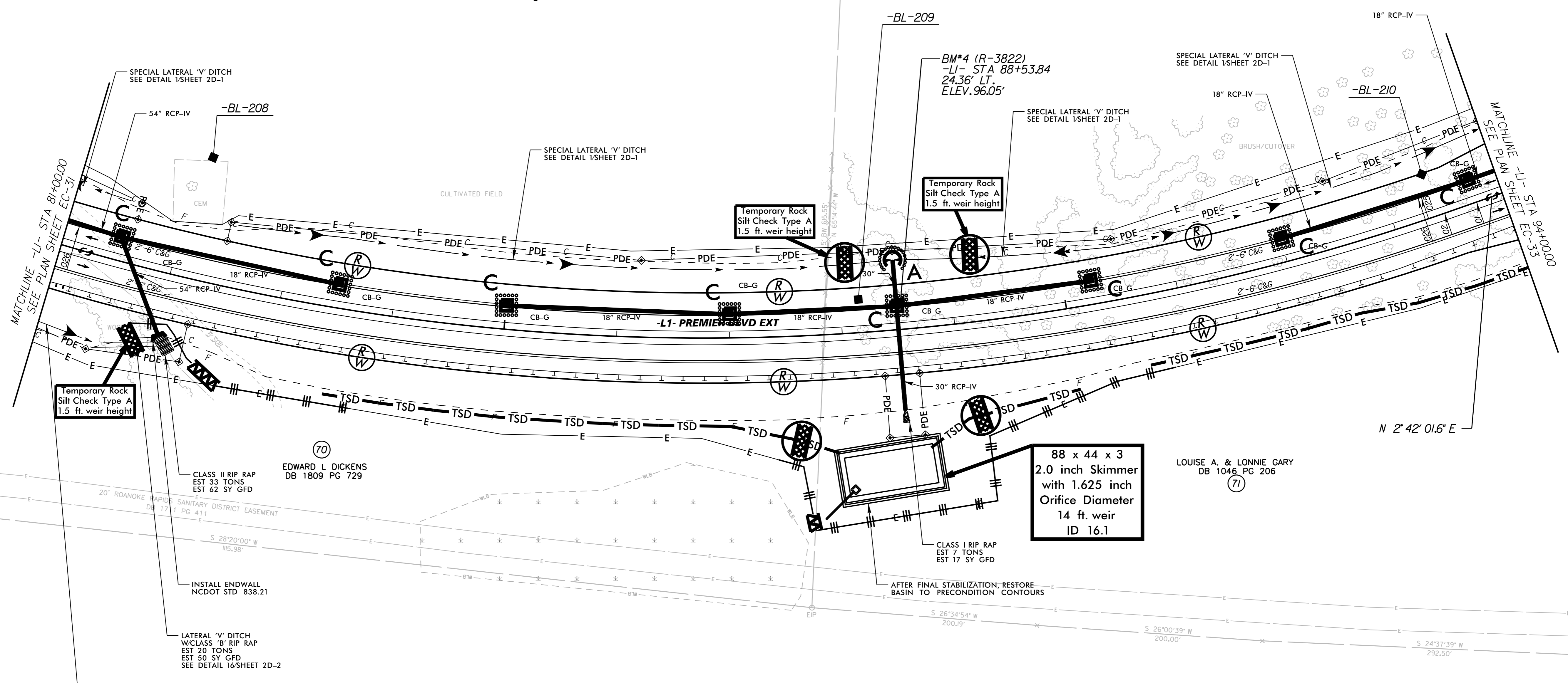
AFTER PERMANENT STABILIZATION,
 FILL AND RESTORE BASIN AREAS TO
 PRECONSTRUCTION CONTOURS

NOTE:
 USE 1.0 FT WEIR HEIGHT FOR TEMPORARY ROCK
 SILT CHECKS TYPE - A THAT ARE NOT LABELED.

(71)
 LOUISE A. & LONNIE GARY
 DB 1046 PG 206



(70)
 EDWARD L DICKENS
 DB 1809 PG 729



Temporary Rock
 Silt Check Type A
 1.5 ft. weir height

Temporary Rock
 Silt Check Type A
 1.5 ft. weir height

Temporary Rock
 Silt Check Type A
 1.5 ft. weir height

88 x 44 x 3
 2.0 inch Skimmer
 with 1.625 inch
 Orifice Diameter
 14 ft. weir
 ID 16.1

LOUISE A. & LONNIE GARY
 DB 1046 PG 206
 (71)

INSTALL MATTING FOR
 EROSION CONTROL IN THE
 PROPOSED DITCH LINE.
 SEE SHEETS EC-3A THRU
 EC-3B FOR STATION RANGES

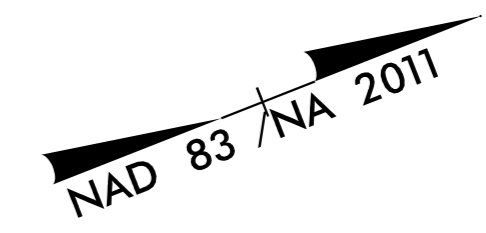
Place Matting for Erosion Control
 on Slope as Work Allows.
 See Sheets EC-3 thru EC-3B
 for Station Ranges
 Place Matting for Erosion Control
 on Slopes Adjacent to Permitted
 Wetlands as Work Allows.

SEE SHEET NO. 26 FOR -L1- PROFILE

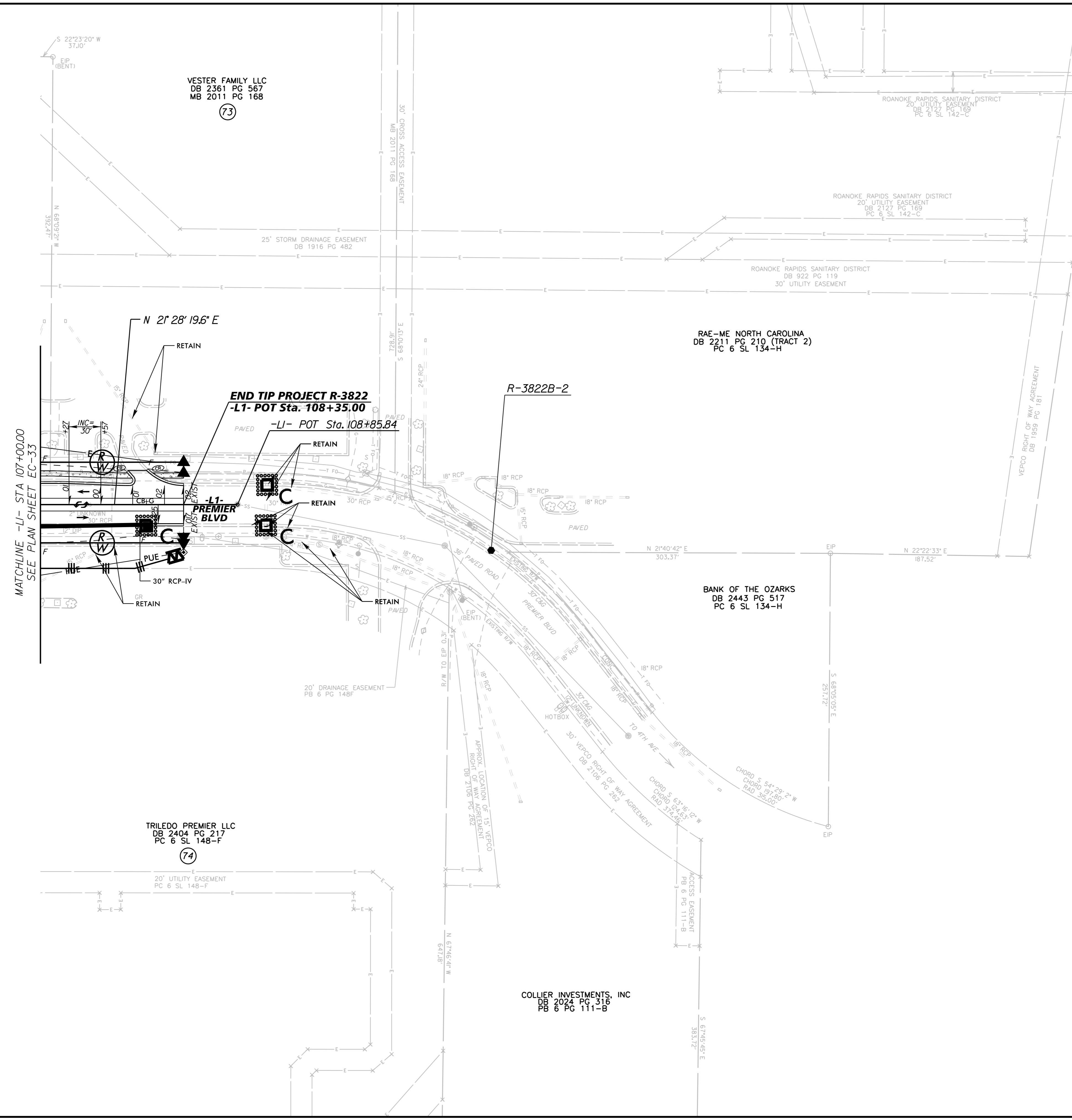
REVISIONS

5/14/99

6/28/2018



REVISIONS



Place Matting for Erosion Control on Slope as Work Allows. See Sheets EC-3 thru EC-3B for Station Ranges

INSTALL MATTING FOR EROSION CONTROL IN THE PROPOSED DITCH LINE. SEE SHEETS EC-3A THRU EC-3B FOR STATION RANGES

SEE SHEET NO. 27 FOR -L1- PROFILE

5/14/99

6/28/2018

FINAL
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 19

AFTER PERMANENT STABILIZATION,
 FILL AND RESTORE BASIN AREAS TO
 PRECONSTRUCTION CONTOURS

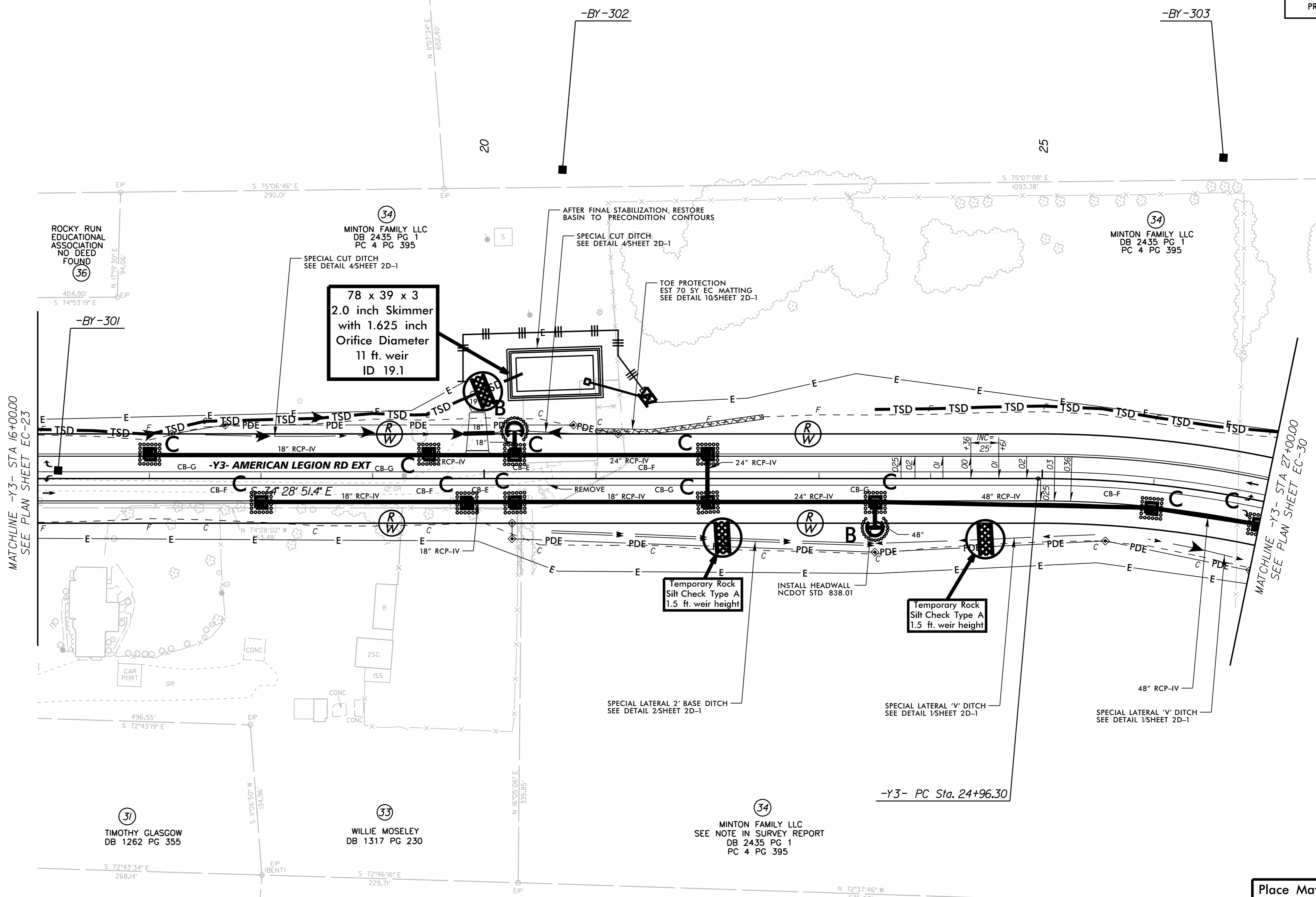
-Y3-
 PI Sta 26+58.52
 $\Delta = 18^{\circ} 25' 43.3''$ (RT)
 $D = 5^{\circ} 43' 46.5''$
 $L = 321.64'$
 $T = 162.22'$
 $R = 1,000.00'$
 $e = 3.6$
 $R_{wv} = 90'$

NOTE:
 USE 1.0 FT WEIR HEIGHT FOR TEMPORARY ROCK
 SILT CHECKS TYPE - A THAT ARE NOT LABELED.

(70)
 EDWARD L. DICKENS
 SEE NOTE IN SURVEY REPORT
 DB 1455 PG 116
 PB 19 PG 74

NAD 83 / NA 2011

REVISIONS



MATCHLINE -Y3- STA 16+00.00
 SEE PLAN SHEET EC-23

MATCHLINE -Y3- STA 27+00.00
 SEE PLAN SHEET EC-30

-Y3- PC Sta. 24+96.30

Place Matting for Erosion Control
 on Slope as Work Allows.
 See Sheets EC-3 thru EC-3B
 for Station Ranges

INSTALL MATTING FOR
 EROSION CONTROL IN THE
 PROPOSED DITCH LINE.
 SEE SHEETS EC-3A THRU
 EC-3B FOR STATION RANGES

SEE SHEET NO. 28 FOR -Y3- PROFILE

5/14/99

6/28/2018