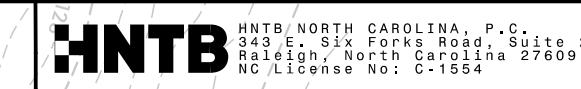


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7/19/2017

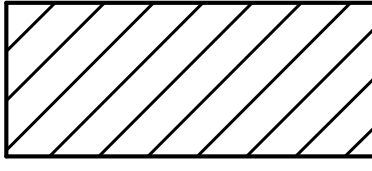


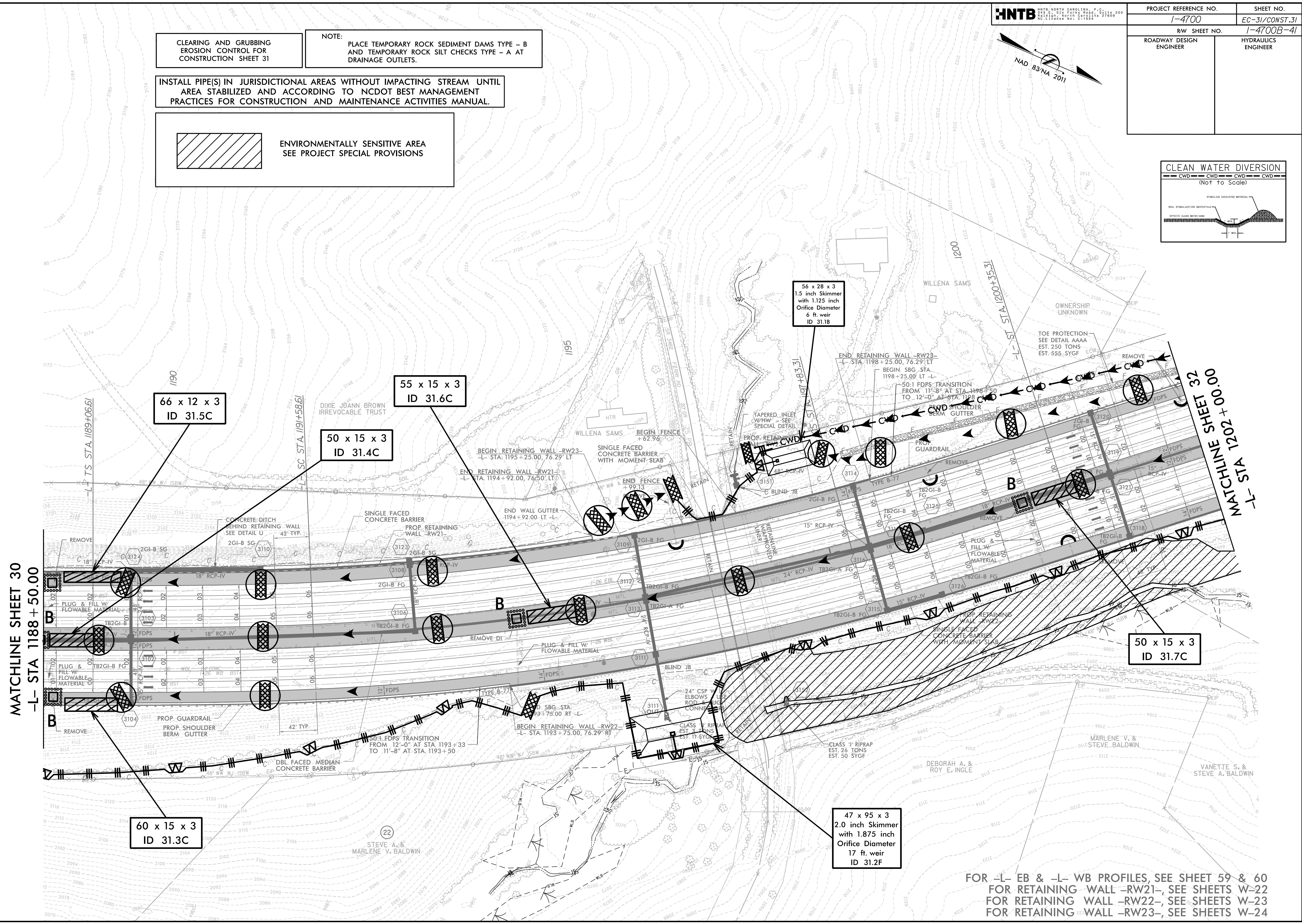
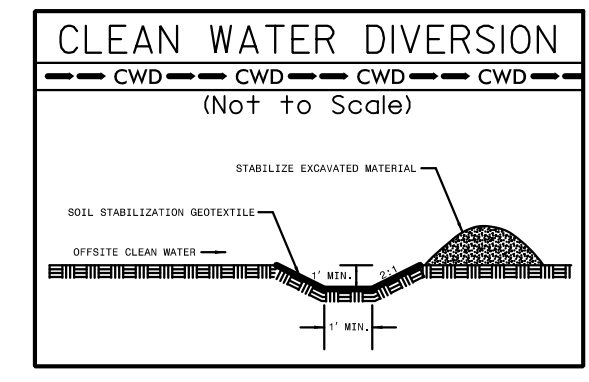
PROJECT REFERENCE NO.	SHEET NO.
1-4700	EC-31/CONST.31
RW SHEET NO.	1-4700B-41
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 31

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

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.

 ENVIRONMENTALLY SENSITIVE AREA SEE PROJECT SPECIAL PROVISIONS



66 x 12 x 3  
ID 31.5C

55 x 15 x 3  
ID 31.6C

50 x 15 x 3  
ID 31.4C

56 x 28 x 3  
1.5 inch Skimmer  
with 1.125 inch  
Orifice Diameter  
6 ft. weir  
ID 31.1B

50 x 15 x 3  
ID 31.7C

60 x 15 x 3  
ID 31.3C

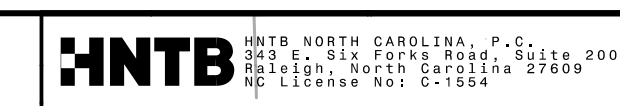
47 x 95 x 3  
2.0 inch Skimmer  
with 1.875 inch  
Orifice Diameter  
17 ft. weir  
ID 31.2F

FOR -L- EB & -L- WB PROFILES, SEE SHEET 59 & 60  
 FOR RETAINING WALL -RW21-, SEE SHEETS W-22  
 FOR RETAINING WALL -RW22-, SEE SHEETS W-23  
 FOR RETAINING WALL -RW23-, SEE SHEETS W-24

5/10/2016  
 5:10:03 PM  
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 HNTB



7/19/2017

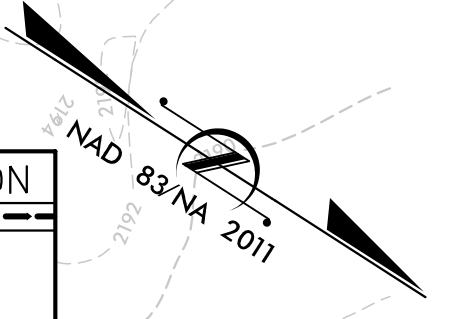
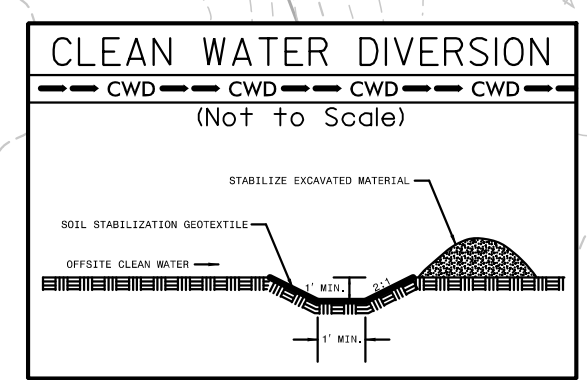


PROJECT REFERENCE NO.	SHEET NO.
1-4700	EC-33/CONST.33
RW SHEET NO.	1-4700B-43
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 33

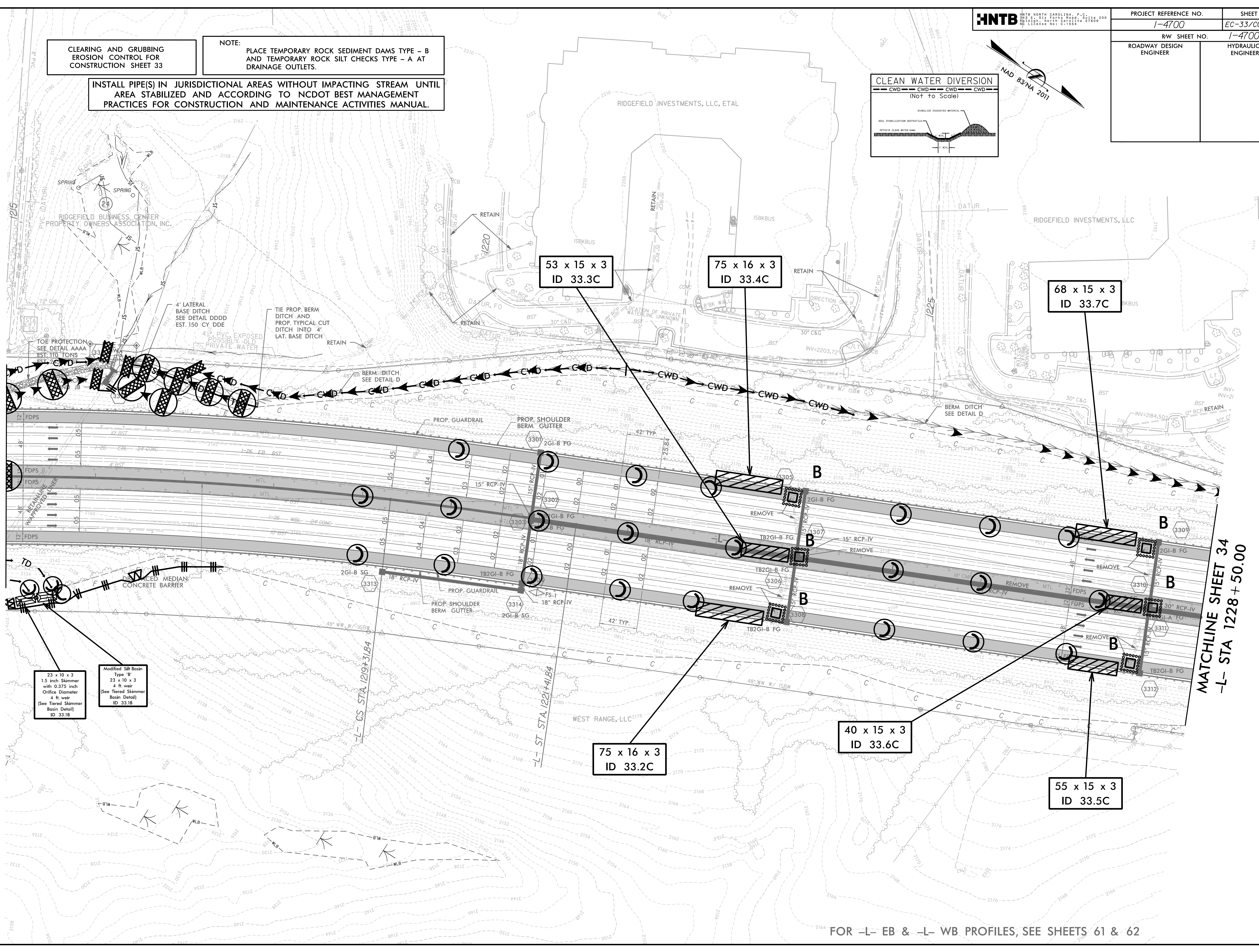
NOTE:  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B  
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT  
DRAINAGE OUTLETS.

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.



MATCHLINE SHEET 32  
-L- STA 1215 + 00.00

MATCHLINE SHEET 34  
-L- STA 1228 + 50.00



23 x 10 x 3  
1.5 inch Skimmer  
with 0.375 inch  
Orifice Diameter  
4 ft. weir  
(See Tiered Skimmer  
Basin Detail)  
ID 33.18

Modified Silt Basin  
Type 'B'  
23 x 10 x 3  
4 ft. weir  
(See Tiered Skimmer  
Basin Detail)  
ID 33.18

75 x 16 x 3  
ID 33.2C

40 x 15 x 3  
ID 33.6C

55 x 15 x 3  
ID 33.5C

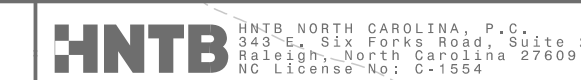
FOR -L- EB & -L- WB PROFILES, SEE SHEETS 61 & 62

2/18/2016  
2:16:53 PM  
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HNTB

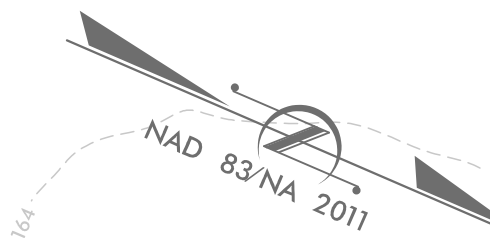
7/19/2017

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 34

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

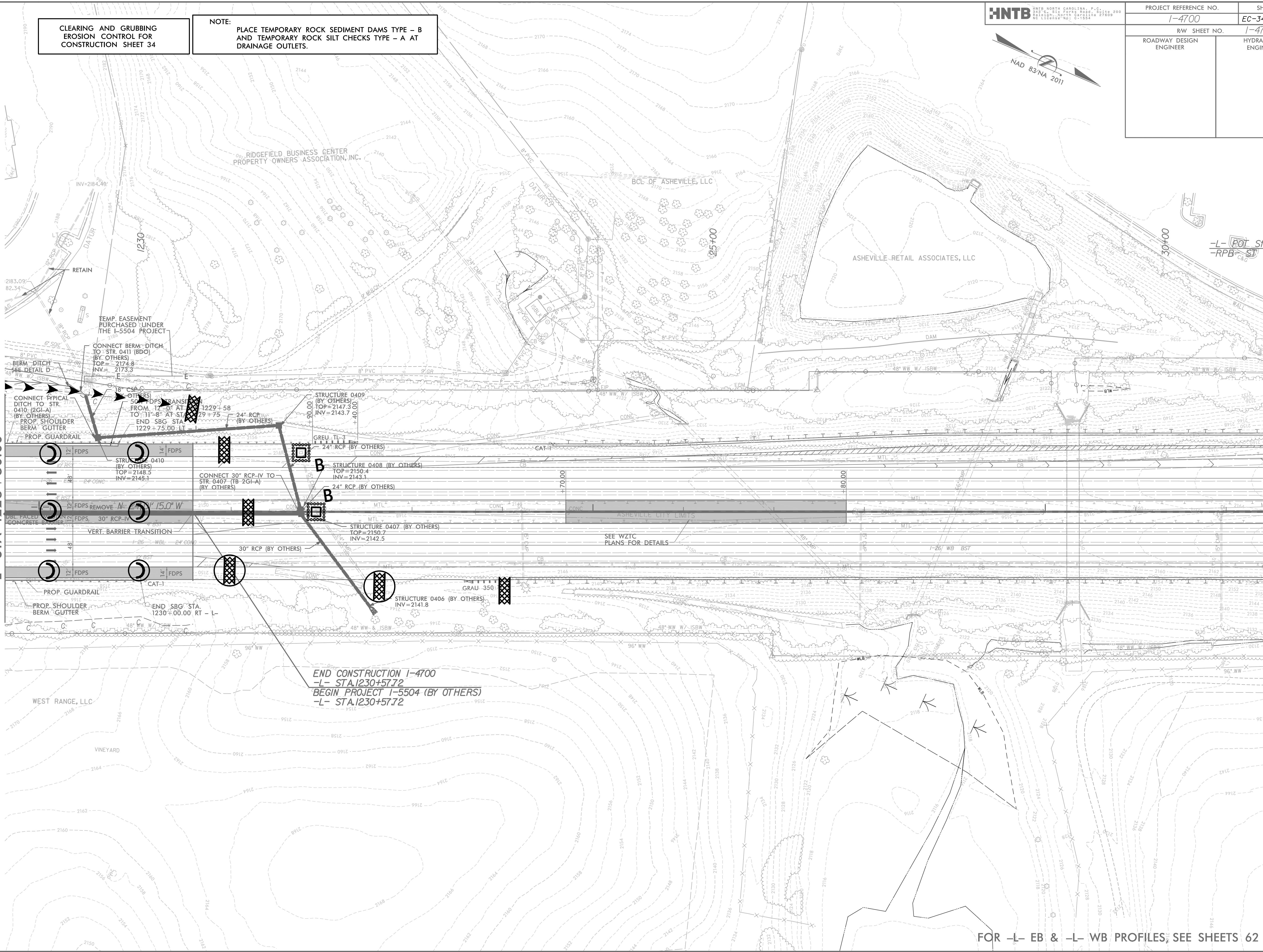


PROJECT REFERENCE NO.	SHEET NO.
I-4700	EC-34/CONST.34
RW SHEET NO.	I-4700B-44
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCHLINE SHEET 33  
-L- STA 1228 + 50.00

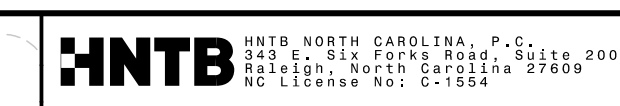
-L- POT ST  
-RPB- ST



END CONSTRUCTION I-4700  
-L- STA. 1230+57.72  
BEGIN PROJECT I-5504 (BY OTHERS)  
-L- STA. 1230+57.72

FOR -L- EB & -L- WB PROFILES, SEE SHEETS 62

2/18/2016  
20160811-I-4700B\_EC\_PSH\_34.dgn  
HNTB



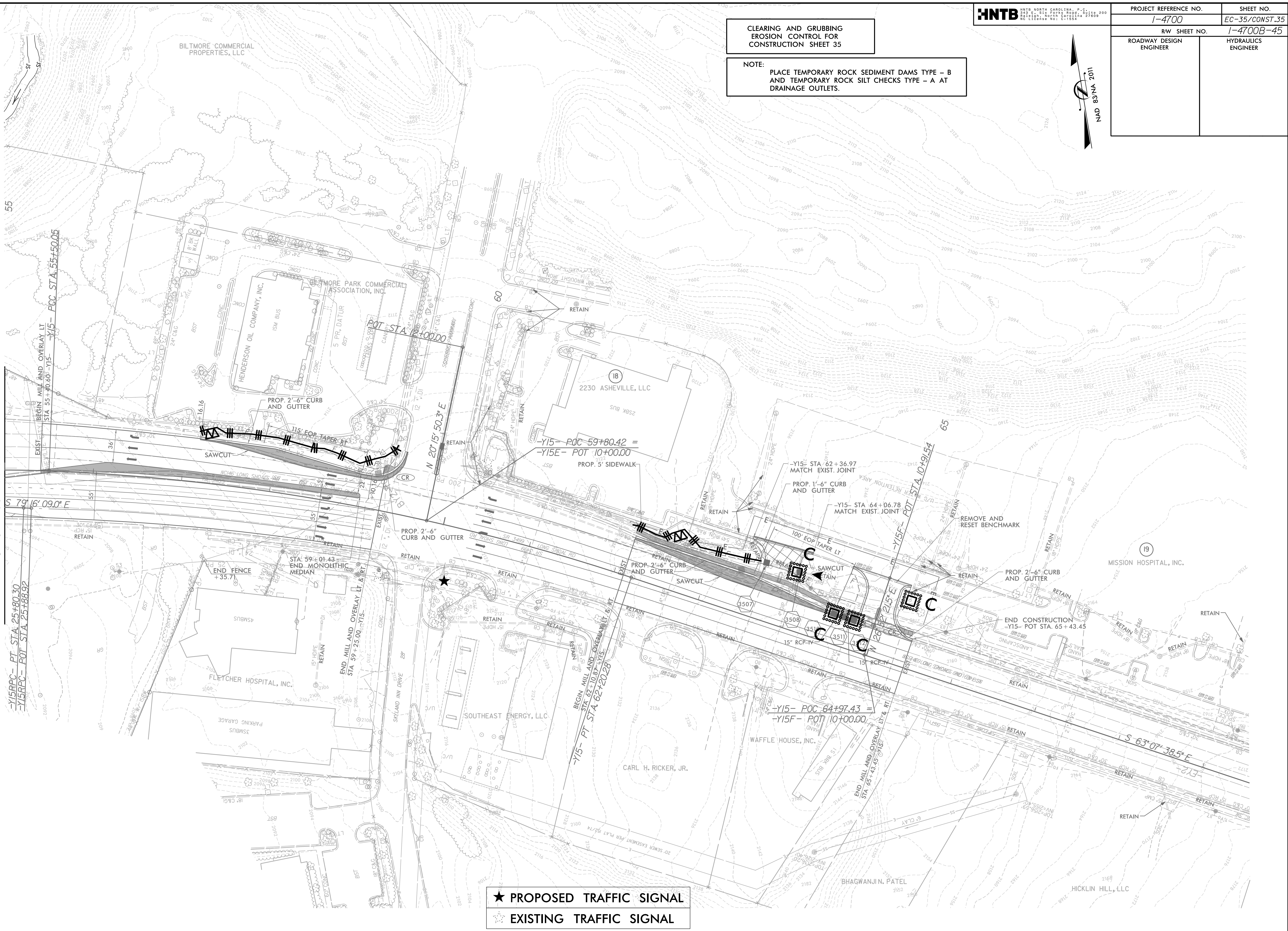
PROJECT REFERENCE NO.	SHEET NO.
1-4700	EC-35/CONST.35
RW SHEET NO.	1-4700B-45
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 35

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




MATCHLINE SHEET 17  
-Y15- STA 55+00.00

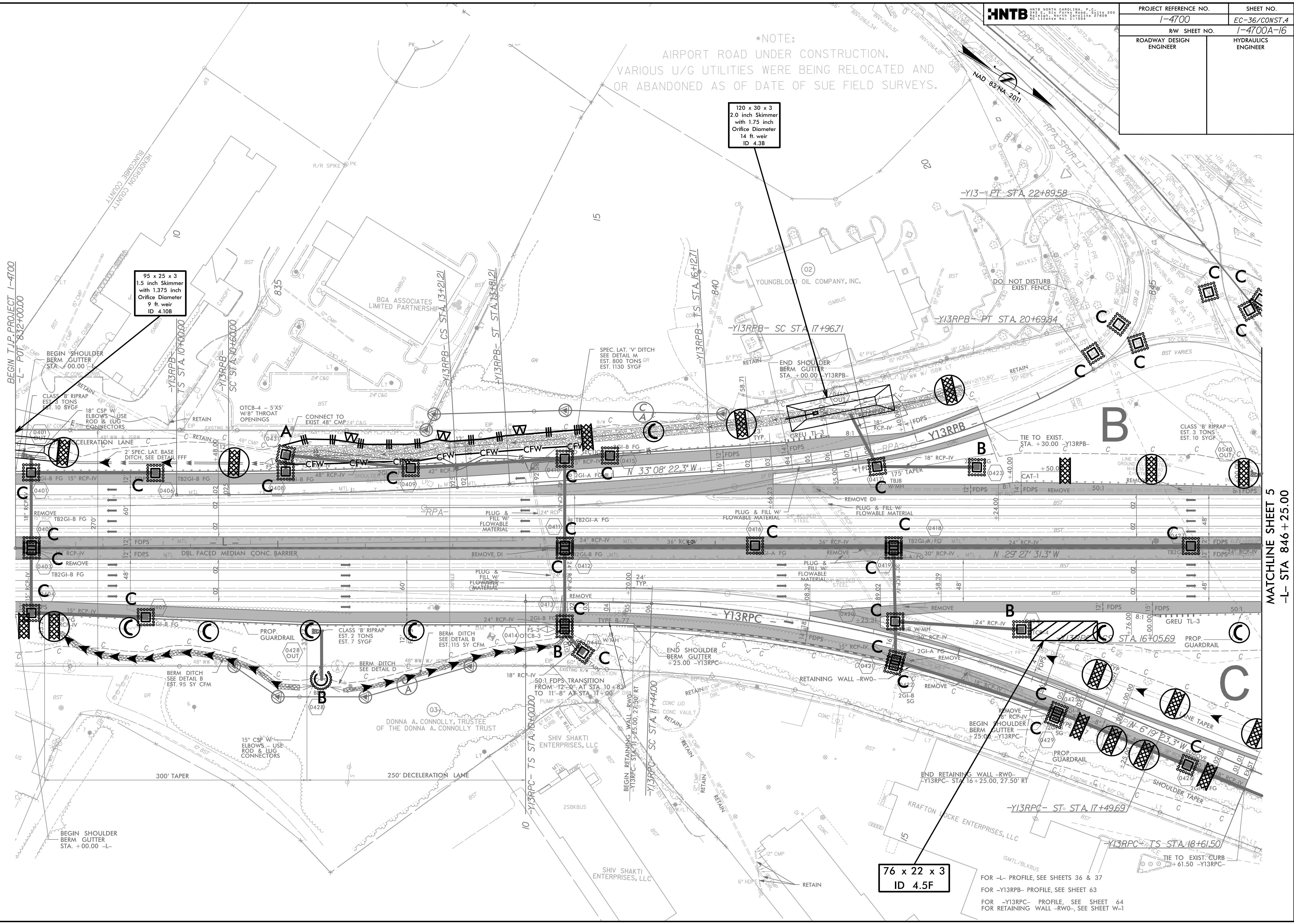


★ PROPOSED TRAFFIC SIGNAL  
☆ EXISTING TRAFFIC SIGNAL

8/17/99

 HNTB NORTH CAROLINA, P.C. 10000 W. HARRIS ROAD, SUITE 200 RALEIGH, NORTH CAROLINA 27609 NC LICENSE NO. 21-1554	PROJECT REFERENCE NO.	SHEET NO.
	1-4700	EC-36/CONST.4
ROADWAY DESIGN ENGINEER	RW SHEET NO.	1-4700A-16
HYDRAULICS ENGINEER		

\*NOTE:  
 AIRPORT ROAD UNDER CONSTRUCTION.  
 VARIOUS U/G UTILITIES WERE BEING RELOCATED AND  
 OR ABANDONED AS OF DATE OF SUE FIELD SURVEYS.



BEGIN T.I.P. PROJECT 1-4700  
 -L- POT 832+00.00

95 x 25 x 3  
 1.5 inch Skimmer  
 with 1.375 inch  
 Orifice Diameter  
 9 ft. weir  
 ID 4.10B

120 x 30 x 3  
 2.0 inch Skimmer  
 with 1.75 inch  
 Orifice Diameter  
 14 ft. weir  
 ID 4.38

76 x 22 x 3  
 ID 4.5F

FOR -L- PROFILE, SEE SHEETS 36 & 37  
 FOR -Y13RBP- PROFILE, SEE SHEET 63  
 FOR -Y13RPC- PROFILE, SEE SHEET 64  
 FOR RETAINING WALL -RW-, SEE SHEET W-1

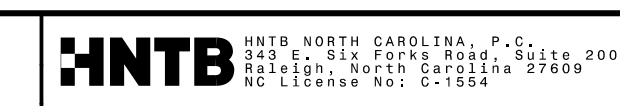
2/15/2019  
 11:47:00A.EC.PSH.04

MATCHLINE SHEET 5  
 -L- STA 846+25.00

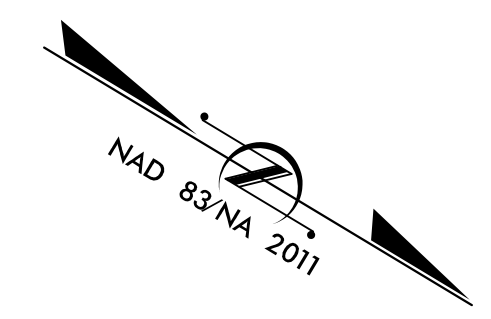
8/17/99

2/15/2016  
14700A.EC.PSH.05.dgn  
HNTB

\*NOTE:  
AIRPORT ROAD UNDER CONSTRUCTION.  
VARIOUS U/G UTILITIES WERE BEING RELOCATED AND  
OR ABANDONED AS OF DATE OF SUE FIELD SURVEYS.

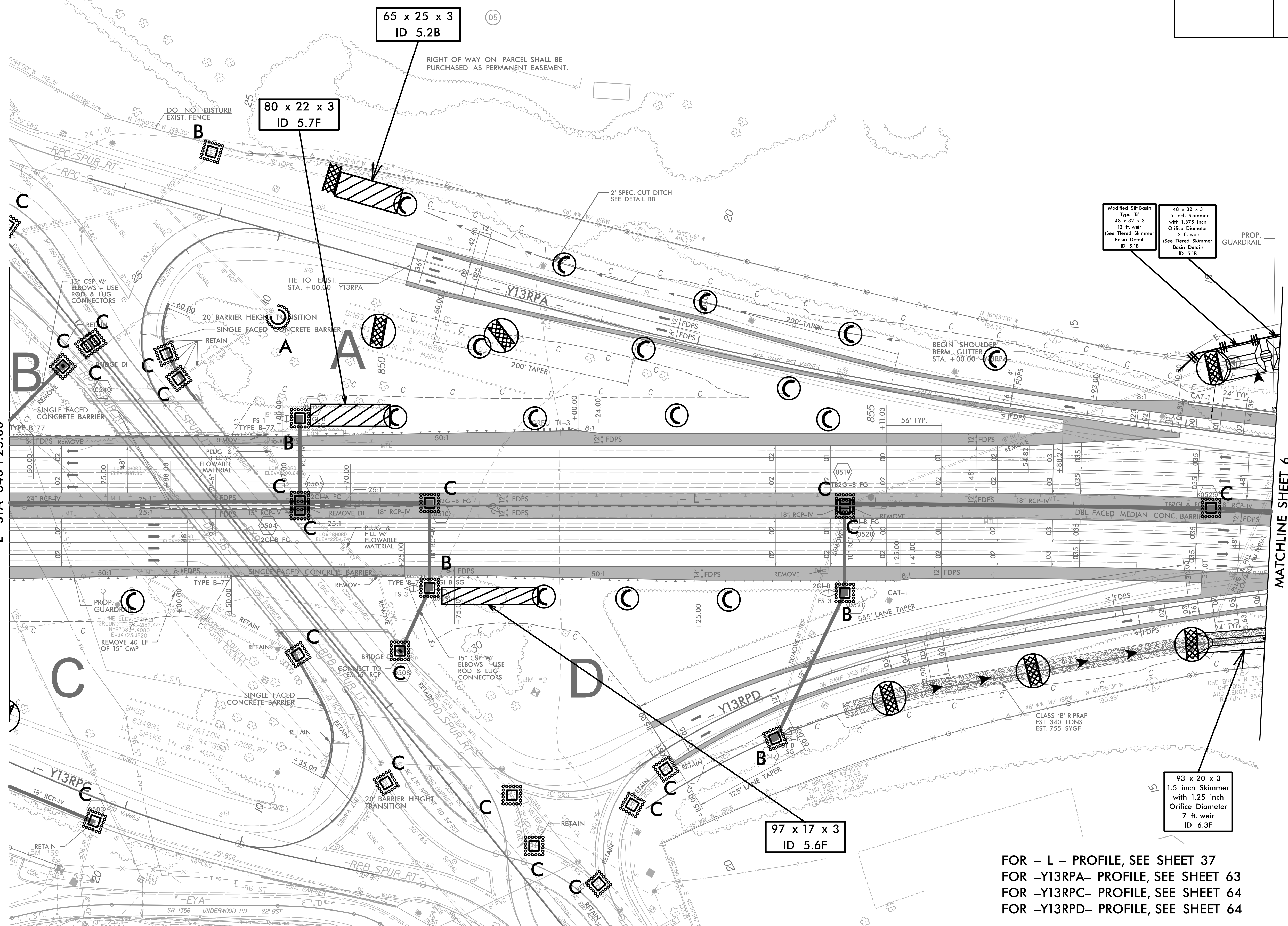


PROJECT REFERENCE NO.	SHEET NO.
1-4700	EC-37/CONST.5
RW SHEET NO.	1-4700A - 16
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCHLINE SHEET 4  
-L- STA 846 + 25.00

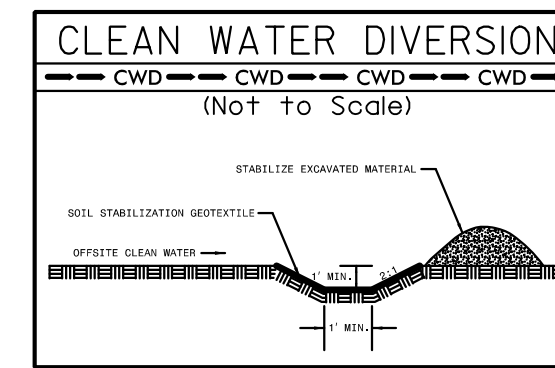
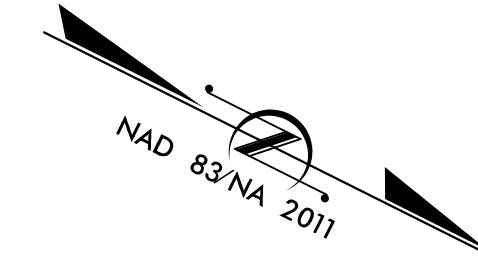
MATCHLINE SHEET 6  
-L- STA 859 + 00.00



FOR - L - PROFILE, SEE SHEET 37  
 FOR -Y13RPA- PROFILE, SEE SHEET 63  
 FOR -Y13RPC- PROFILE, SEE SHEET 64  
 FOR -Y13RPD- PROFILE, SEE SHEET 64

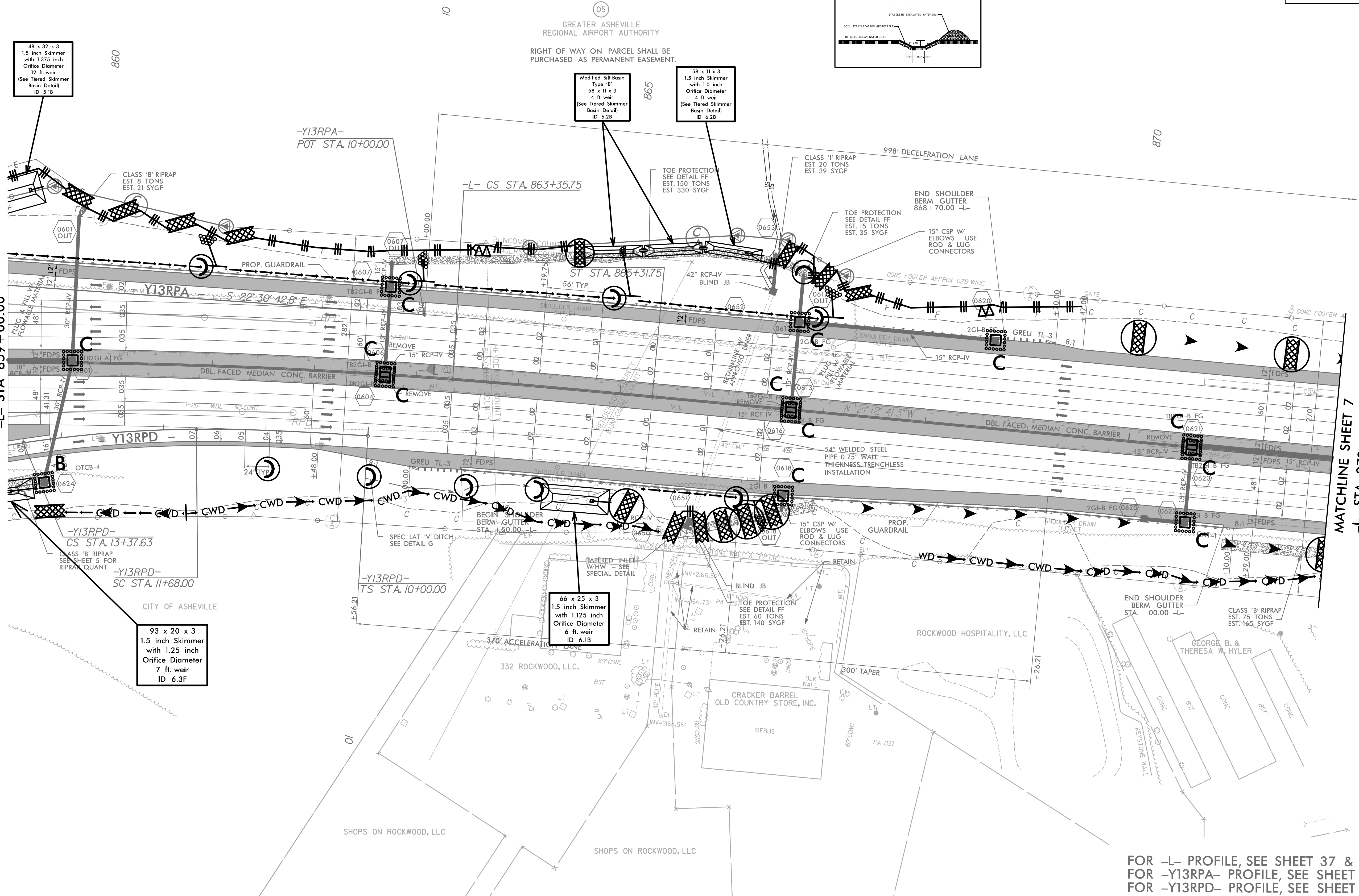


PROJECT REFERENCE NO.	SHEET NO.
1-4700	EC-38/CONST.6
RW SHEET NO.	1-4700A - 17
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCHLINE SHEET 5  
-L- STA 859 + 00.00

MATCHLINE SHEET 7  
-L- STA 872 + 00.00



05  
GREATER ASHEVILLE  
REGIONAL AIRPORT AUTHORITY  
RIGHT OF WAY ON PARCEL SHALL BE  
PURCHASED AS PERMANENT EASEMENT.

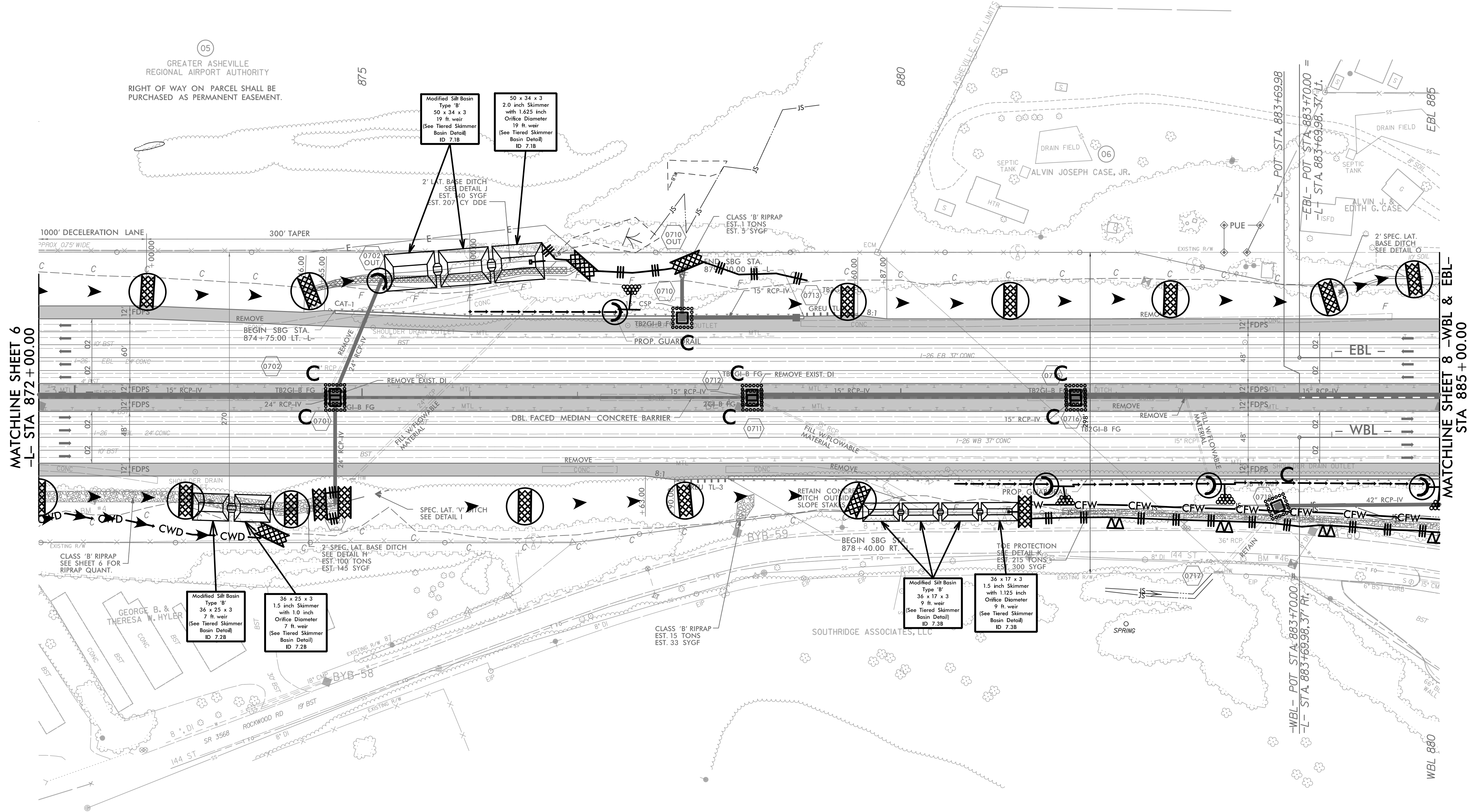
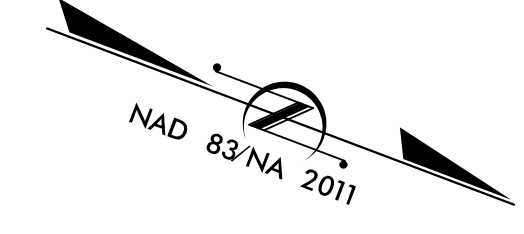
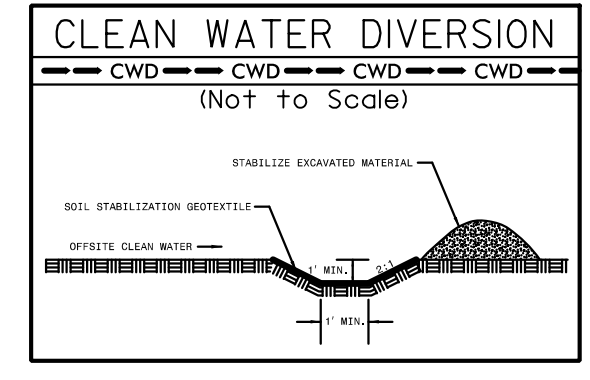
66 x 25 x 3  
1.5 inch Skimmer  
with 1.125 inch  
Orifice Diameter  
6 ft. weir  
ID 6.1B

93 x 20 x 3  
1.5 inch Skimmer  
with 1.25 inch  
Orifice Diameter  
7 ft. weir  
ID 6.3F

FOR -L- PROFILE, SEE SHEET 37 & 38  
FOR -Y13RPA- PROFILE, SEE SHEET 63  
FOR -Y13RPD- PROFILE, SEE SHEET 64

8/17/99

<b>HNTB</b> HNTB NORTH CAROLINA, P.C. 345 W. 5th Street, Suite 300 Raleigh, North Carolina 27609 NC License No. C-1254	PROJECT REFERENCE NO.	SHEET NO.
	1-4700	EC-39/CONST.7
ROADWAY DESIGN ENGINEER	RW SHEET NO. 1-4700A - 18	
	HYDRAULICS ENGINEER	

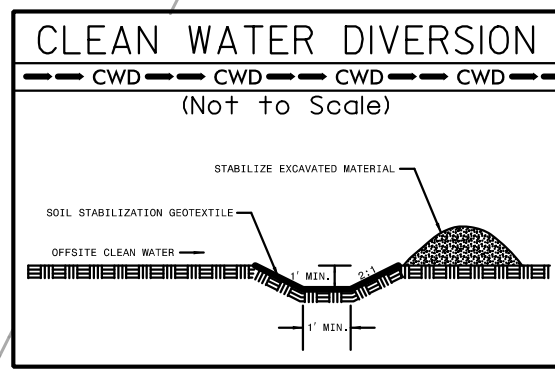


MATCHLINE SHEET 6  
-L- STA 872 + 00.00

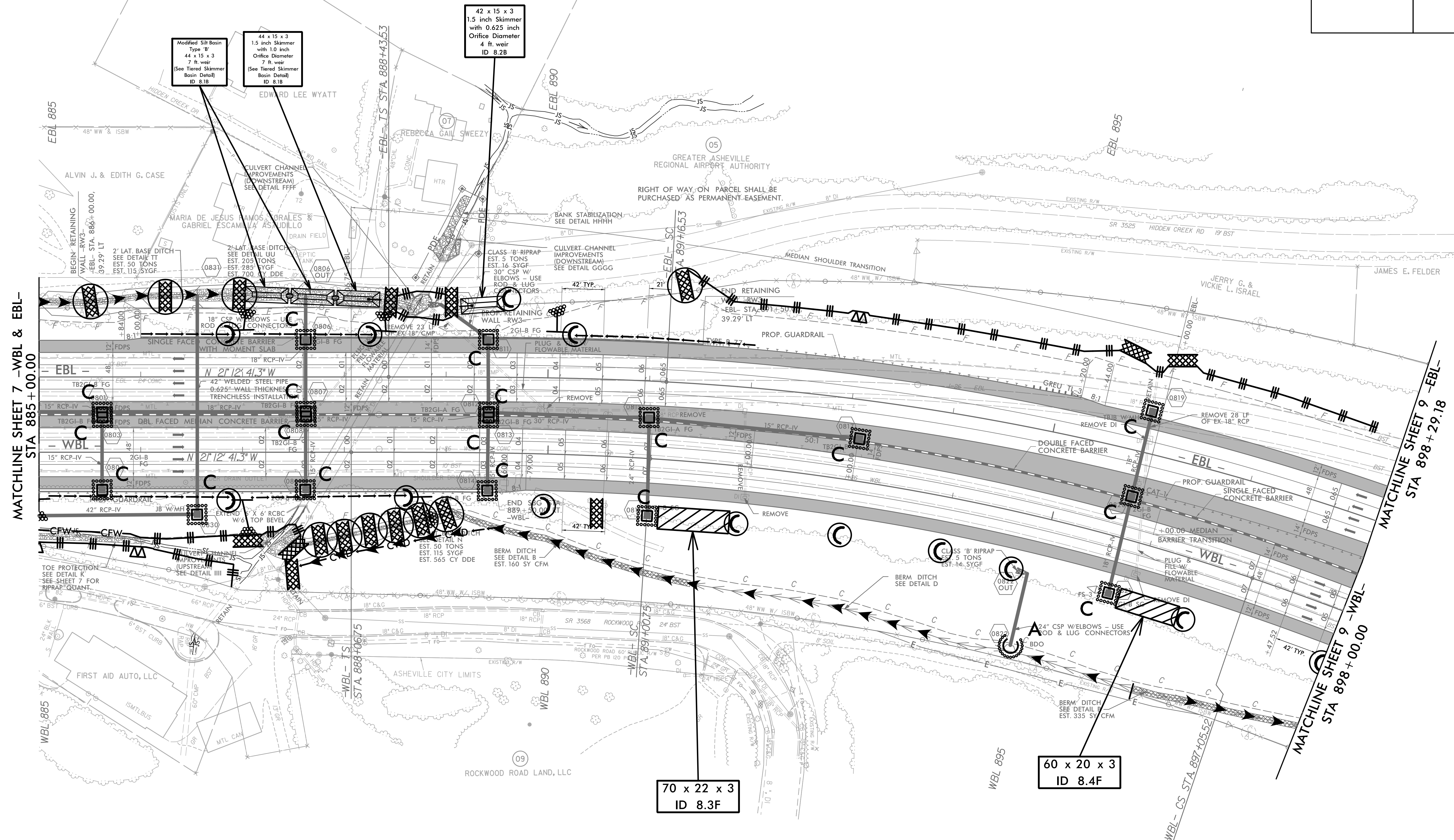
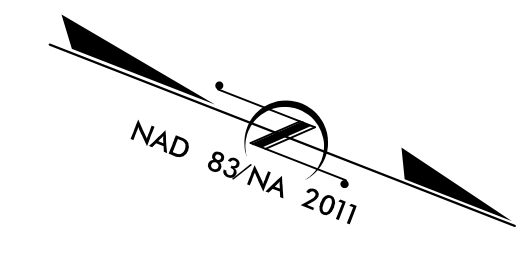
MATCHLINE SHEET 8 -WBL & EBL-  
STA 885 + 00.00

1/28/2016  
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HNTB

FOR - L - PROFILE, SEE SHEET 38 & 39  
FOR - EBL - PROFILE, SEE SHEET 39  
FOR - WBL - PROFILE, SEE SHEET 39



PROJECT REFERENCE NO.	SHEET NO.
1-4700	EC-40/CONST.8
RW SHEET NO.	1-4700A - 19
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCHLINE SHEET 7 -WBL & EBL-  
 STA 885+00.00

MATCHLINE SHEET 9 -EBL-  
 STA 898+29.18

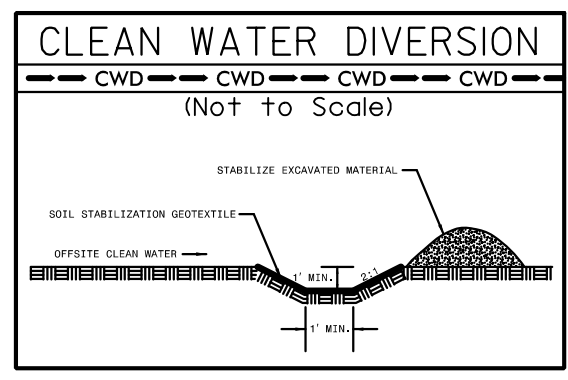
MATCHLINE SHEET 9 -WBL-  
 STA 898+00.00

70 x 22 x 3  
 ID 8.3F

60 x 20 x 3  
 ID 8.4F

FOR - EBL - PROFILE, SEE SHEET 39 & 40  
 FOR - WBL - PROFILE, SEE SHEET 39 & 40  
 FOR RETAINING WALL -RW3-, SEE SHEET W-2

8.17/99

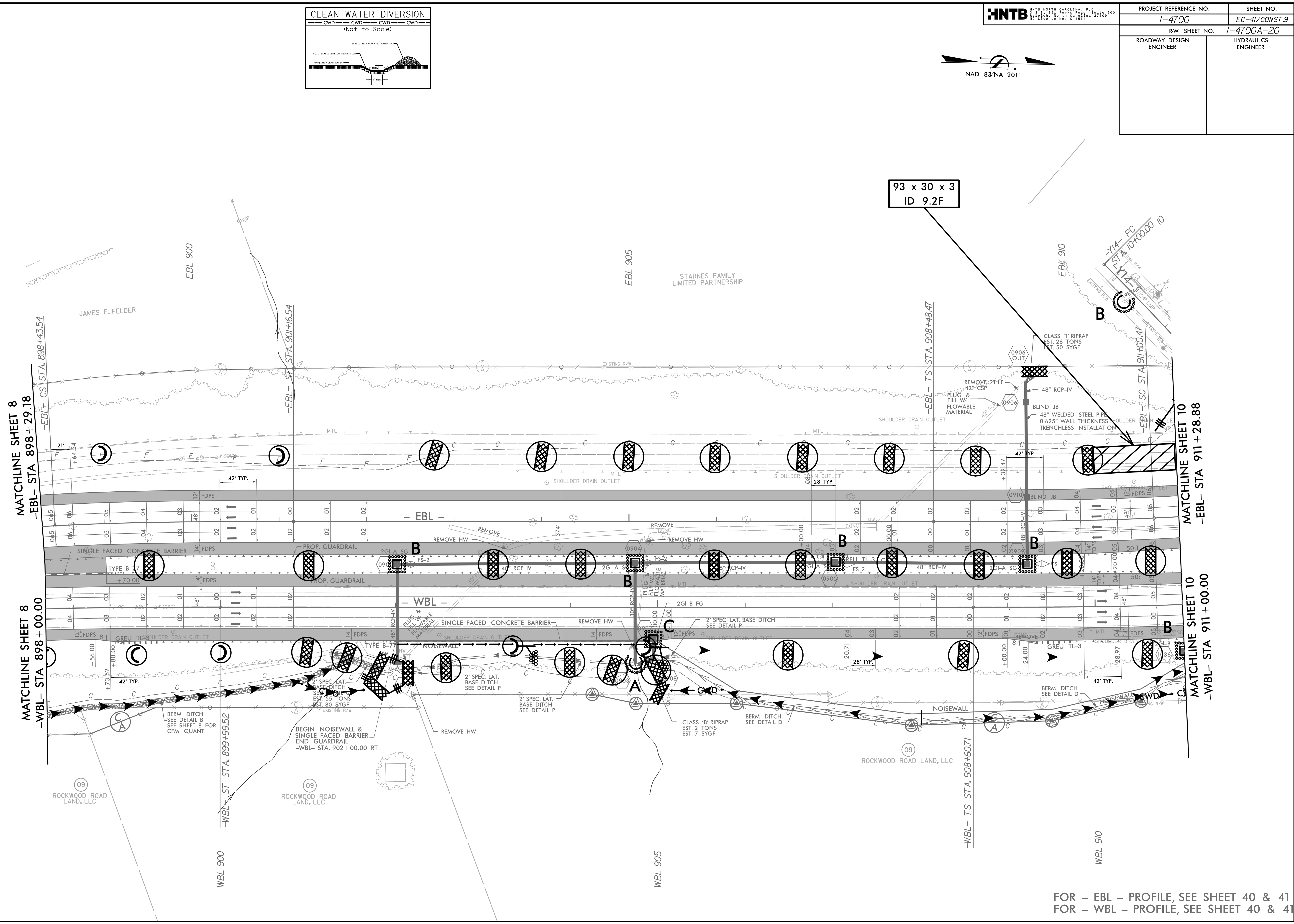


**HNTB** HNTB NORTH CAROLINA, P.C.  
 245 W. 5th Street, Suite 200  
 Raleigh, North Carolina 27609  
 NC License No. 2-1554

PROJECT REFERENCE NO.	SHEET NO.
1-4700	EC-41/CONST.9
RW SHEET NO.	1-4700A-20
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



93 x 30 x 3  
ID 9.2F

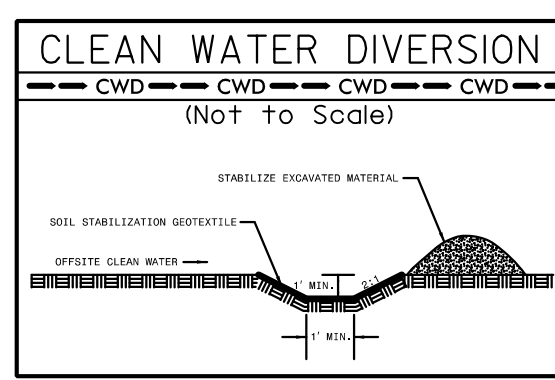
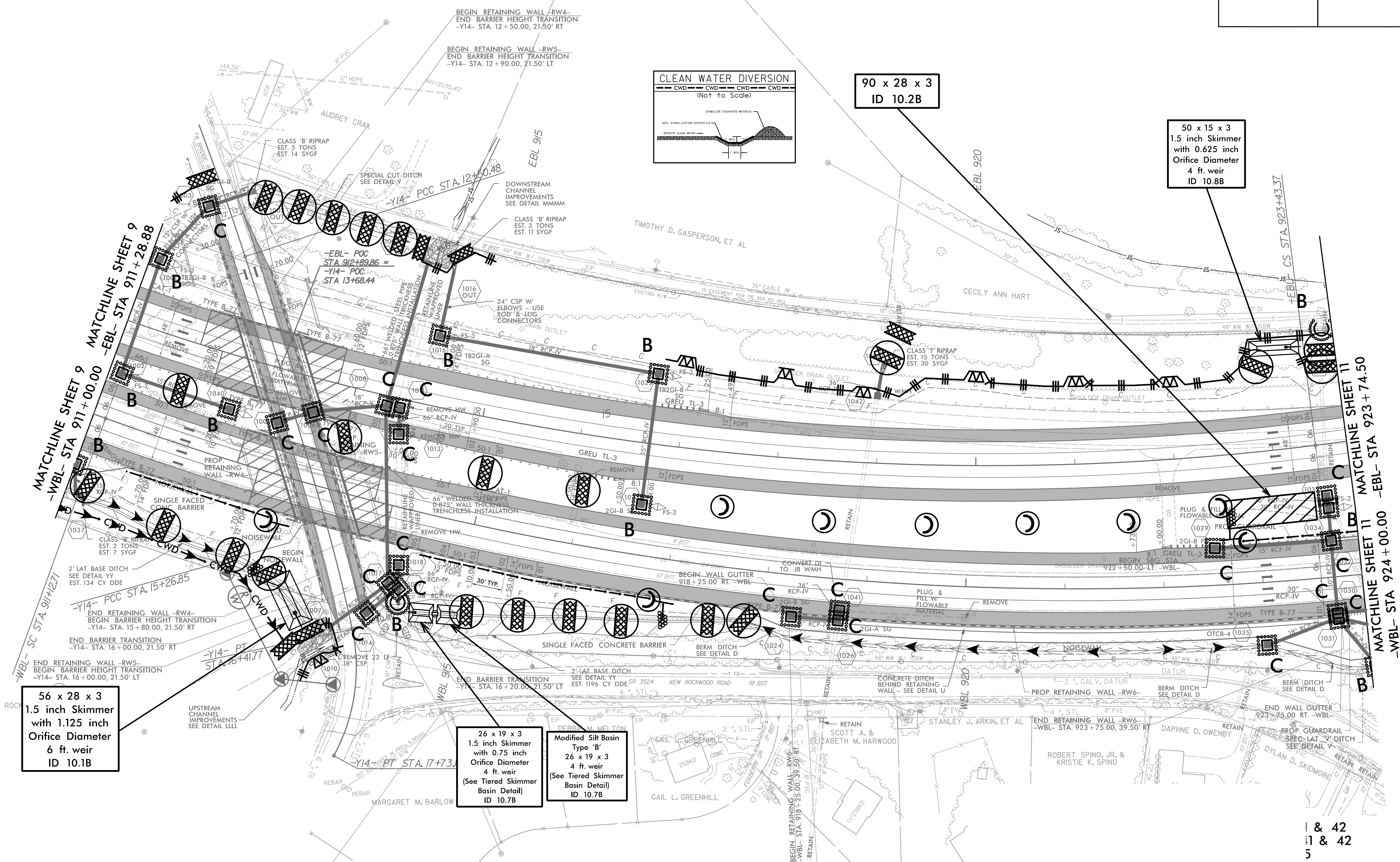
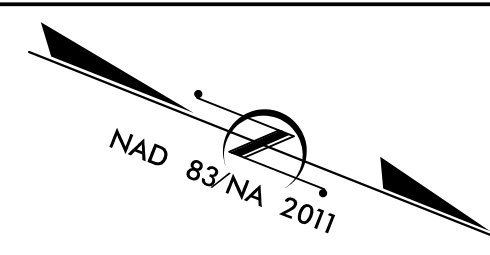


2/15/2016  
 1:4700A.EC.PSH.09.dgn  
 HNTB

FOR - EBL - PROFILE, SEE SHEET 40 & 41  
 FOR - WBL - PROFILE, SEE SHEET 40 & 41

8.17.19

<b>HNTB</b> HNTB NORTH CAROLINA, P.C. 345 W. 252 PARR ROAD, SUITE 300 RALEIGH, NORTH CAROLINA 27609 NO LICENSE NO. 211554	PROJECT REFERENCE NO.	SHEET NO.
	1-4700	EC-42/CONST.10
ROADWAY DESIGN ENGINEER	RW SHEET NO.	HYDRAULICS ENGINEER
	1-4700A - 21	



90 x 28 x 3  
ID 10.2B

50 x 15 x 3  
1.5 inch Skimmer  
with 0.625 inch  
Orifice Diameter  
4 ft weir  
ID 10.8B

56 x 28 x 3  
1.5 inch Skimmer  
with 1.125 inch  
Orifice Diameter  
6 ft weir  
ID 10.1B

26 x 19 x 3  
1.5 inch Skimmer  
with 0.75 inch  
Orifice Diameter  
4 ft weir  
(See Tiered Skimmer  
Basin Detail)  
ID 10.7B

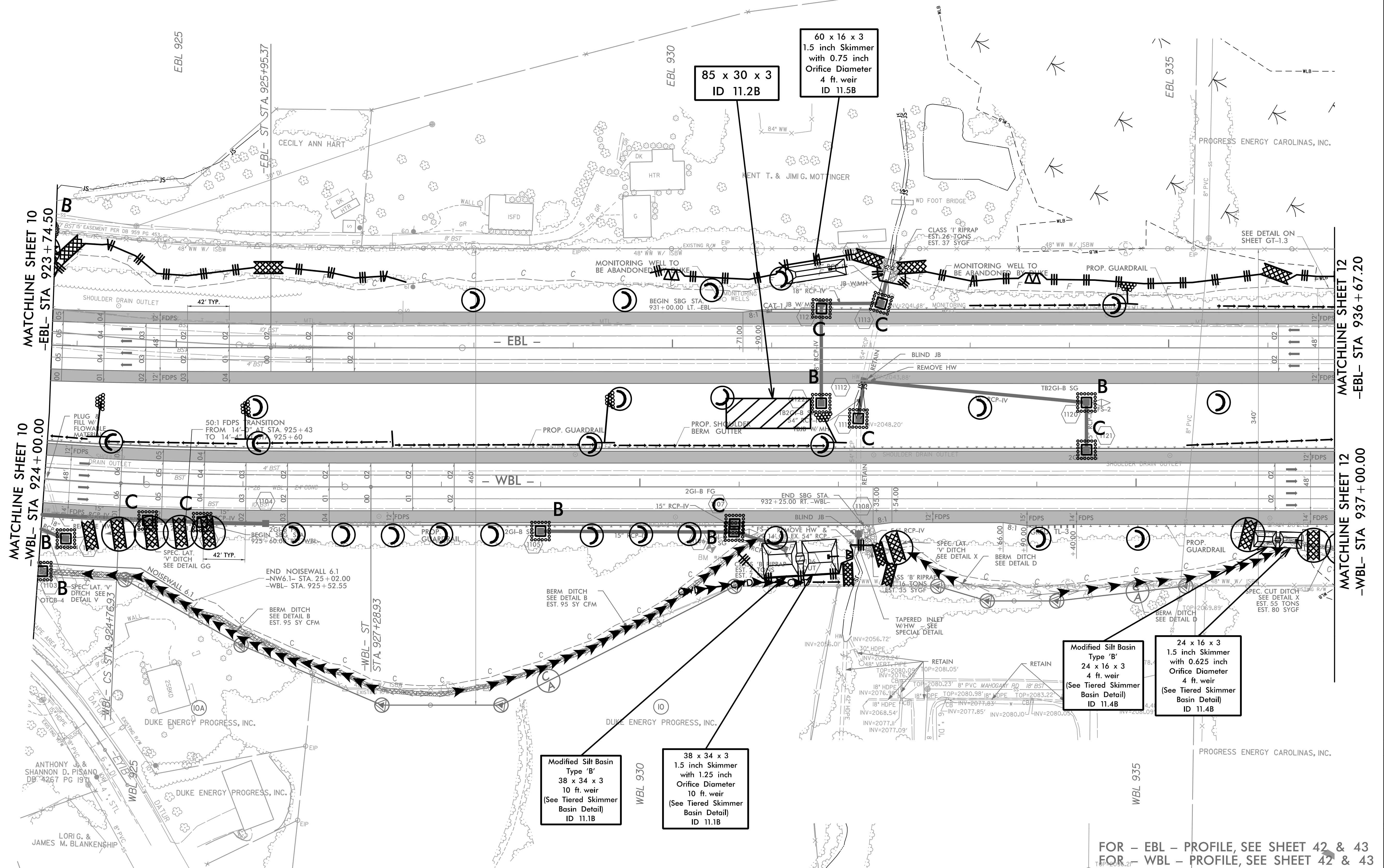
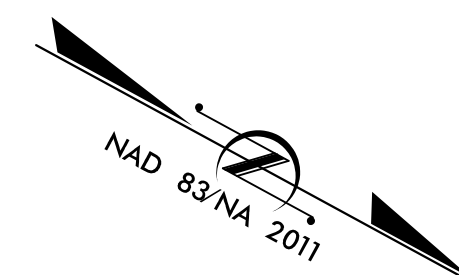
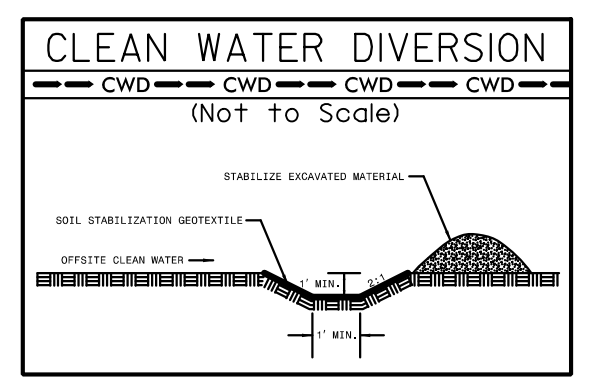
Modified Silt Basin  
Type 'B'  
26 x 19 x 3  
4 ft weir  
(See Tiered Skimmer  
Basin Detail)  
ID 10.7B

1 & 42  
1 & 42  
5

FOR RETAINING WALL -RW4-, SEE SHEET W-3  
FOR RETAINING WALL -RW5-, SEE SHEET W-4  
FOR RETAINING WALL -RW6-, SEE SHEET W-5

2.15.2019  
14700A.EC.PSH.10.dgn  
HNTB

PROJECT REFERENCE NO.	SHEET NO.
1-4700	EC-43/CONST.11
RW SHEET NO.	1-4700A-22
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



85 x 30 x 3  
ID 11.2B

60 x 16 x 3  
1.5 inch Skimmer  
with 0.75 inch  
Orifice Diameter  
4 ft. weir  
ID 11.5B

Modified Silt Basin  
Type 'B'  
38 x 34 x 3  
10 ft. weir  
(See Tiered Skimmer  
Basin Detail)  
ID 11.1B


38 x 34 x 3  
1.5 inch Skimmer  
with 1.25 inch  
Orifice Diameter  
10 ft. weir  
(See Tiered Skimmer  
Basin Detail)  
ID 11.1B

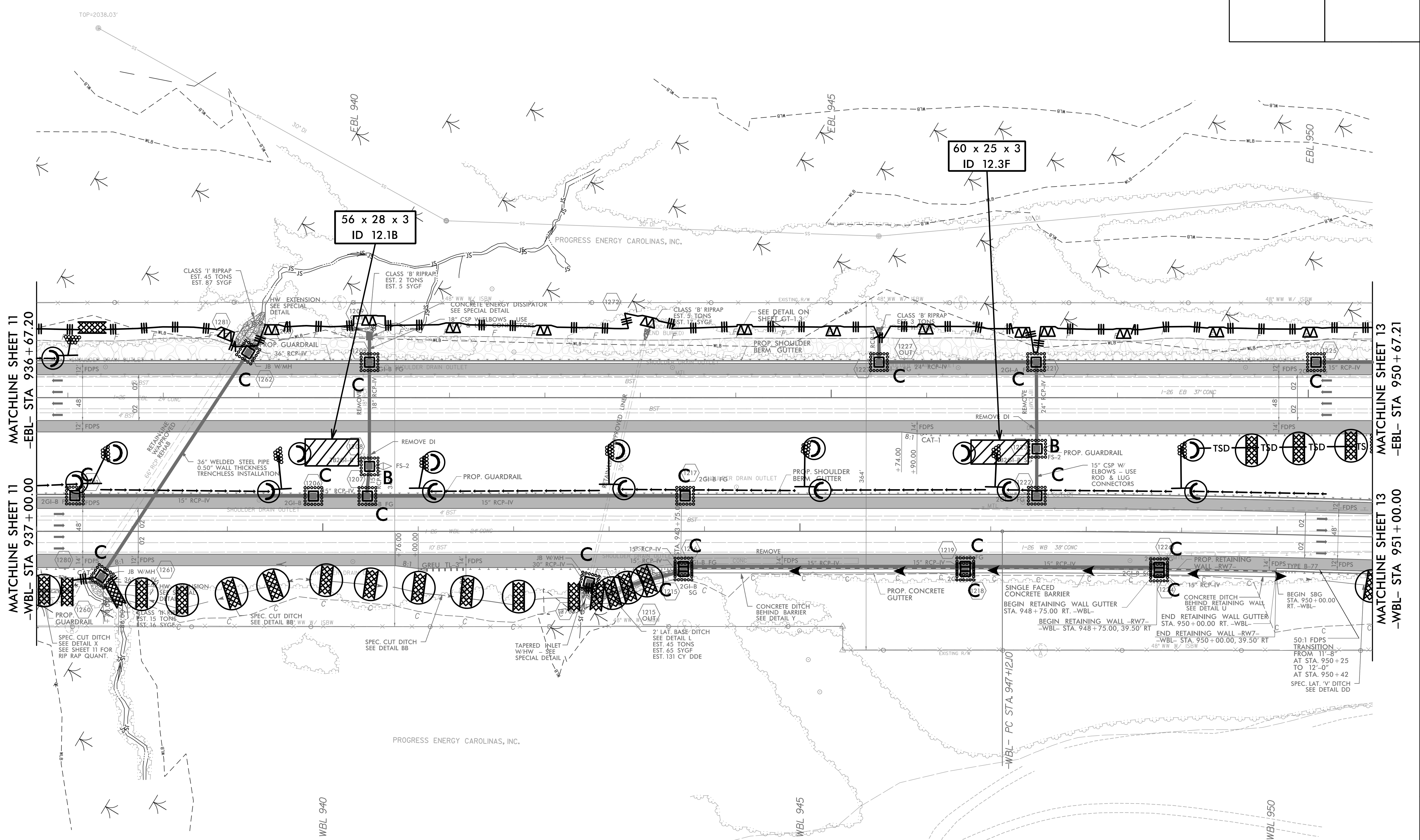
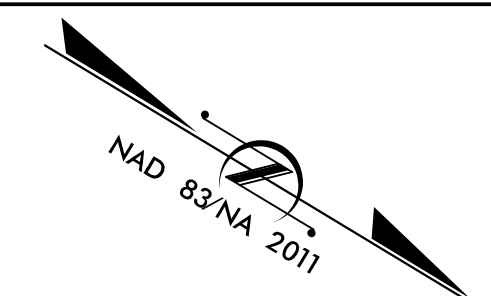
Modified Silt Basin  
Type 'B'  
24 x 16 x 3  
4 ft. weir  
(See Tiered Skimmer  
Basin Detail)  
ID 11.4B

24 x 16 x 3  
1.5 inch Skimmer  
with 0.625 inch  
Orifice Diameter  
4 ft. weir  
(See Tiered Skimmer  
Basin Detail)  
ID 11.4B

FOR - EBL - PROFILE, SEE SHEET 42 & 43  
FOR - WBL - PROFILE, SEE SHEET 42 & 43

8.17.99

 HNTB NORTH CAROLINA, P.C. 345 W. 5th Street, Suite 200 Raleigh, North Carolina 27609 NC License No. 2-1354	PROJECT REFERENCE NO.	SHEET NO.
	1-4700	EC-44/CONST.12
ROADWAY DESIGN ENGINEER	RW SHEET NO.	1-4700A-23
	HYDRAULICS ENGINEER	



MATCHLINE SHEET 11  
-WBL- STA 937 + 00.00

MATCHLINE SHEET 11  
-EBL- STA 936 + 67.20

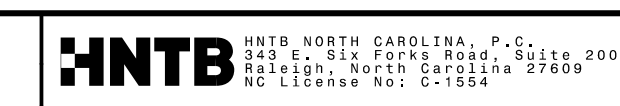
MATCHLINE SHEET 13  
-WBL- STA 951 + 00.00

MATCHLINE SHEET 13  
-EBL- STA 950 + 67.21

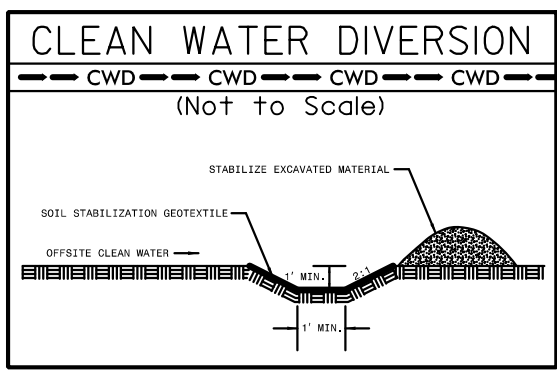
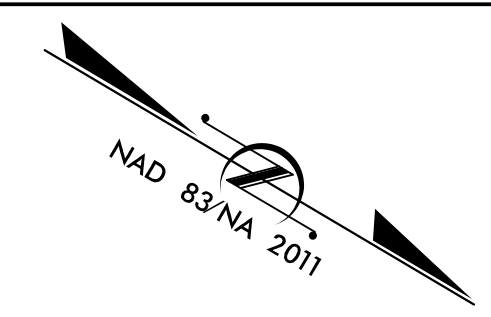
FOR - EBL - PROFILE, SEE SHEET 43 & 44  
 FOR - WBL - PROFILE, SEE SHEET 43 & 44  
 FOR RETAINING WALL -RW7-, SEE SHEET W-6

5/9/2016  
 \\hntb\shared\14700A.EC.PSH.12.dgn  
 HNTB

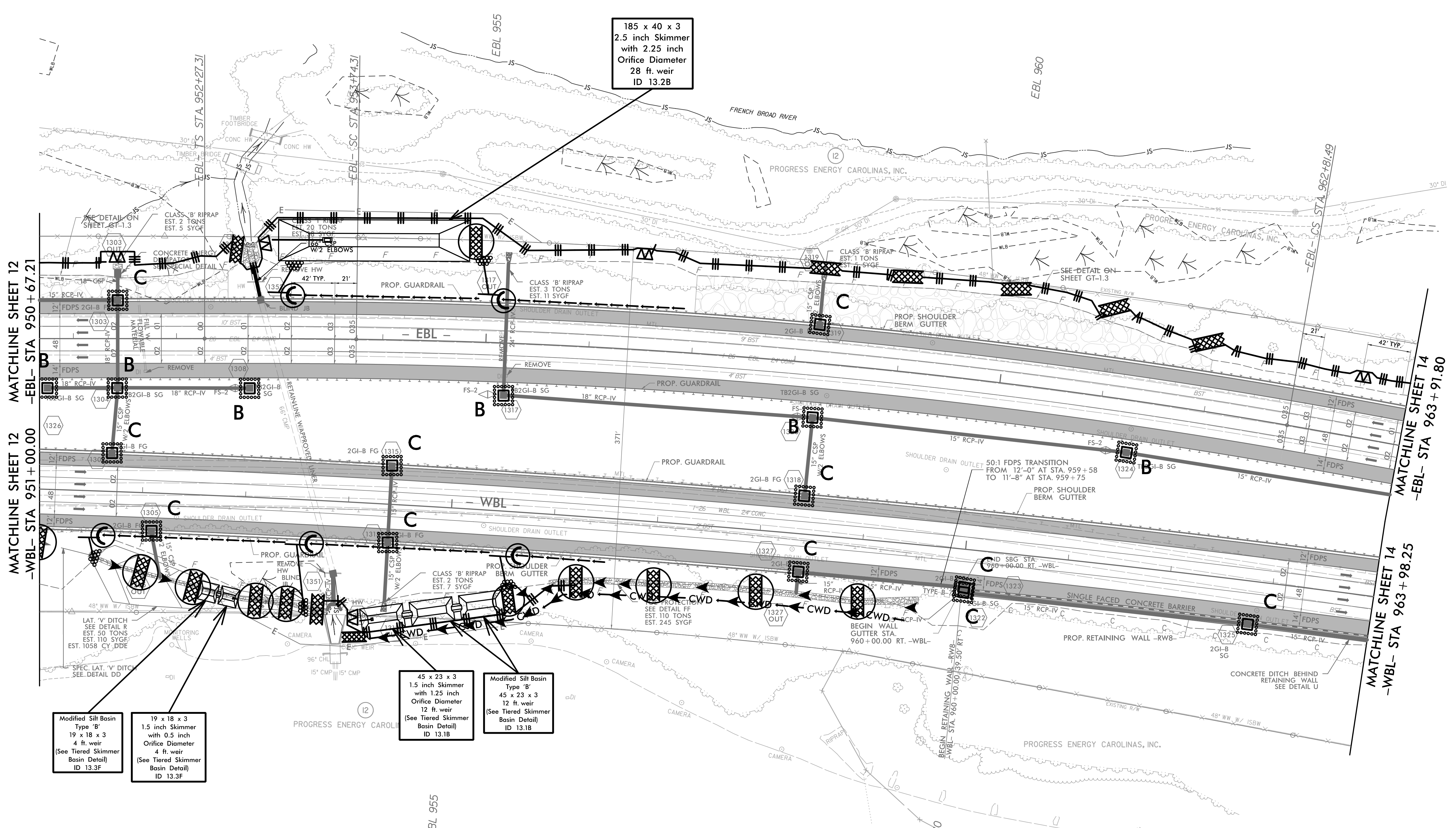
8/17/99



PROJECT REFERENCE NO.	SHEET NO.
1-4700	EC-45/CONST.13
RW SHEET NO.	1-4700A-24
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



185 x 40 x 3  
2.5 inch Skimmer  
with 2.25 inch  
Orifice Diameter  
28 ft. weir  
ID 13.2B



Modified Silt Basin  
Type 'B'  
19 x 18 x 3  
1.5 inch Skimmer  
with 0.5 inch  
Orifice Diameter  
4 ft. weir  
(See Tiered Skimmer  
Basin Detail)  
ID 13.3F

19 x 18 x 3  
1.5 inch Skimmer  
with 0.5 inch  
Orifice Diameter  
4 ft. weir  
(See Tiered Skimmer  
Basin Detail)  
ID 13.3F

45 x 23 x 3  
1.5 inch Skimmer  
with 1.25 inch  
Orifice Diameter  
12 ft. weir  
(See Tiered Skimmer  
Basin Detail)  
ID 13.1B

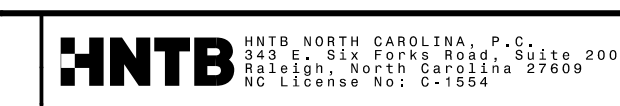
Modified Silt Basin  
Type 'B'  
45 x 23 x 3  
1.5 inch Skimmer  
with 1.25 inch  
Orifice Diameter  
12 ft. weir  
(See Tiered Skimmer  
Basin Detail)  
ID 13.1B

FOR - EBL - PROFILE, SEE SHEET 44 & 45  
FOR - WBL - PROFILE, SEE SHEET 44 & 45  
FOR RETAINING WALL -RW8-, SEE SHEET W-7

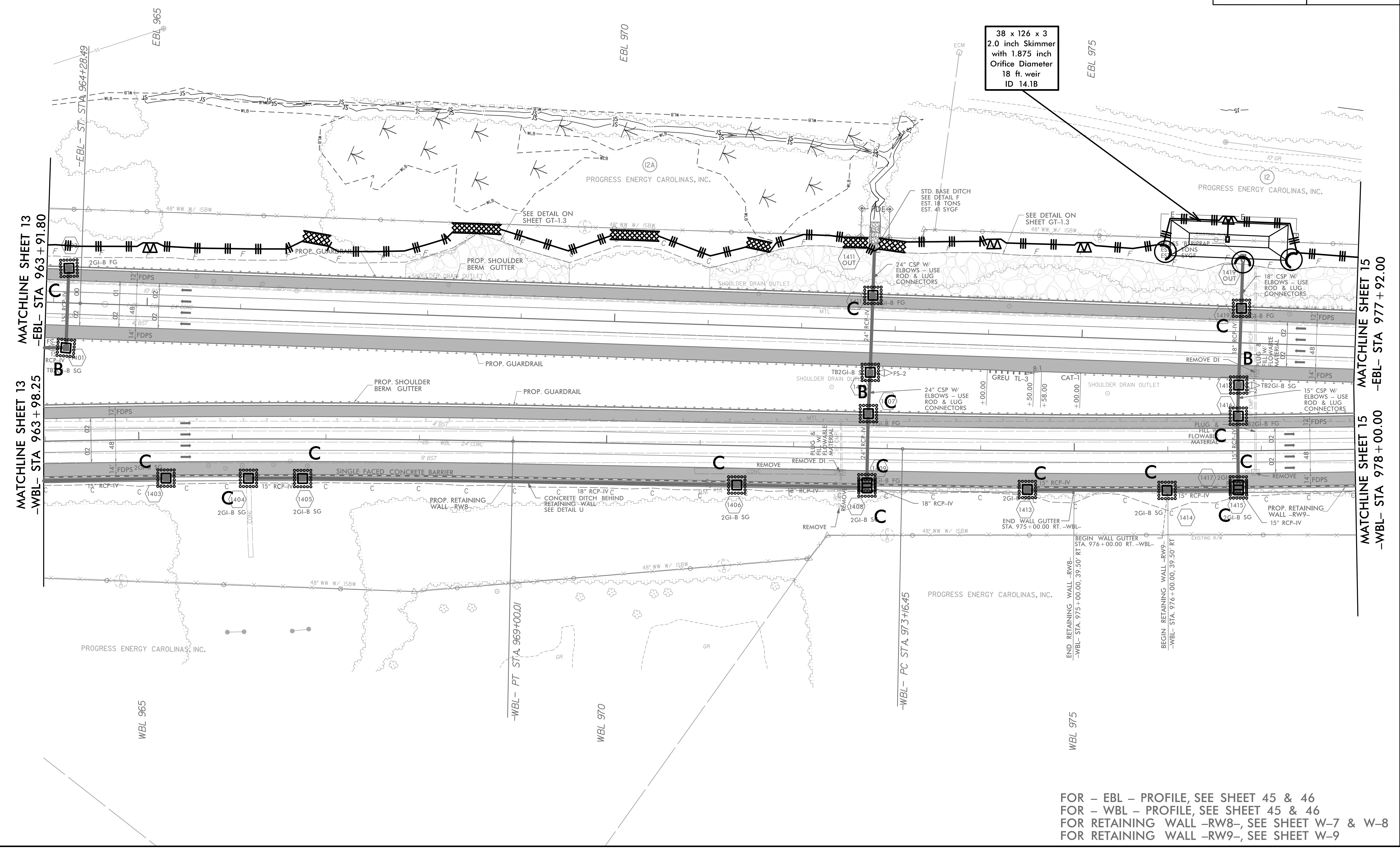
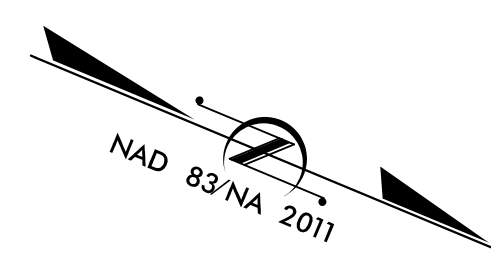
1/28/2016  
14700A.EC.PSH.13.dgn



8/17/99



PROJECT REFERENCE NO.	SHEET NO.
1-4700	EC-46/CONST.14
RW SHEET NO.	1-4700A-25
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCHLINE SHEET 13  
-EBL- STA 963 + 91.80

MATCHLINE SHEET 13  
-WBL- STA 963 + 98.25

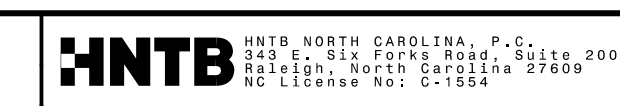
MATCHLINE SHEET 15  
-EBL- STA 977 + 92.00

MATCHLINE SHEET 15  
-WBL- STA 978 + 00.00

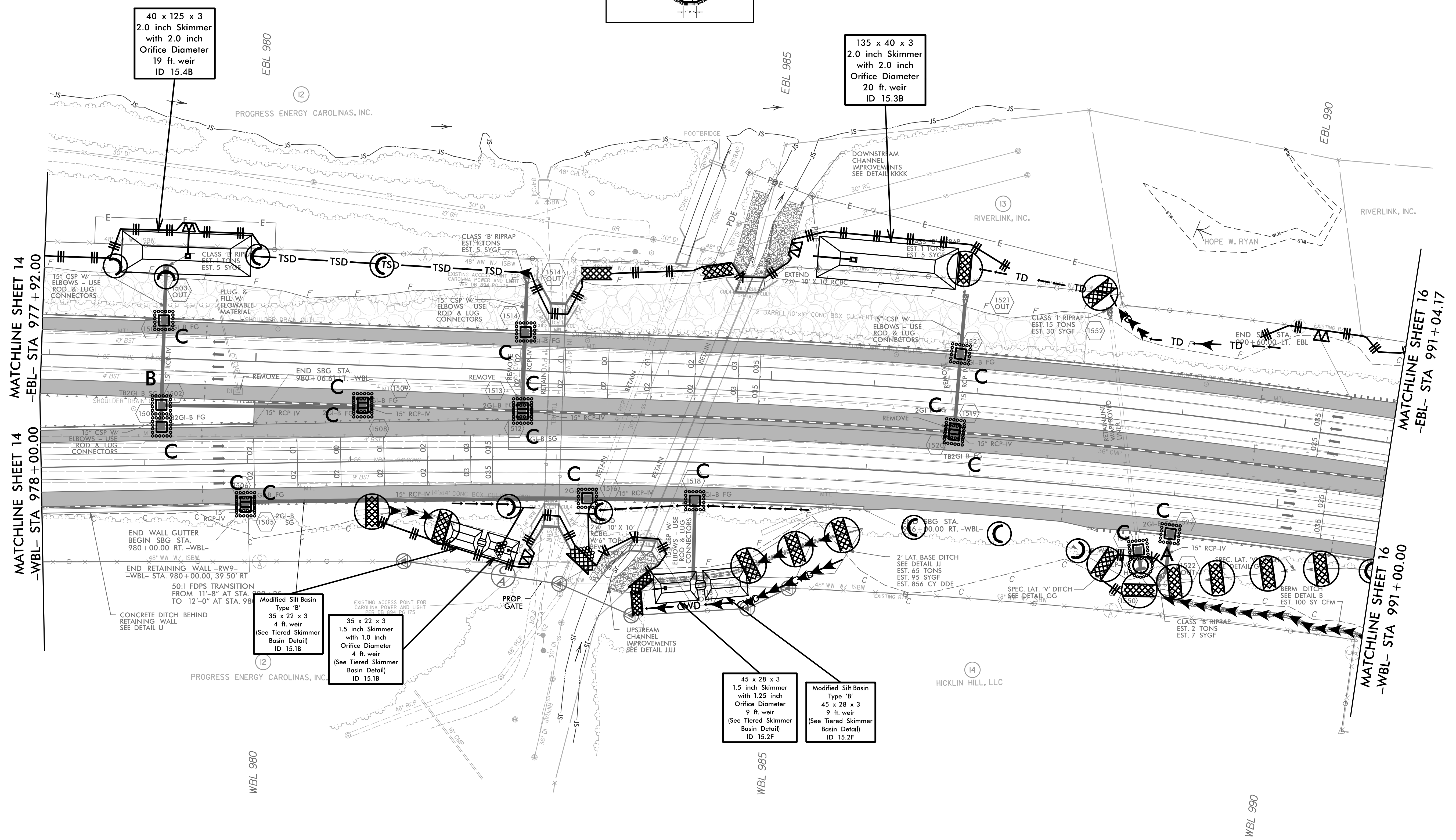
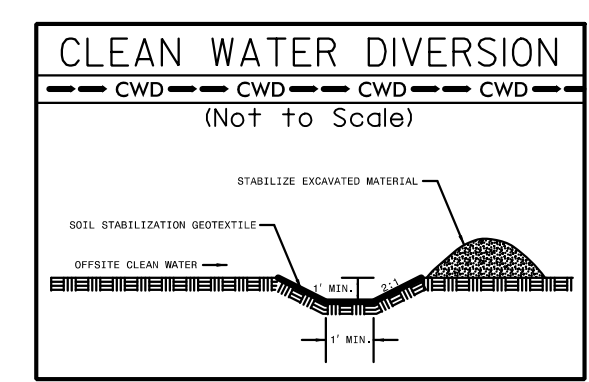
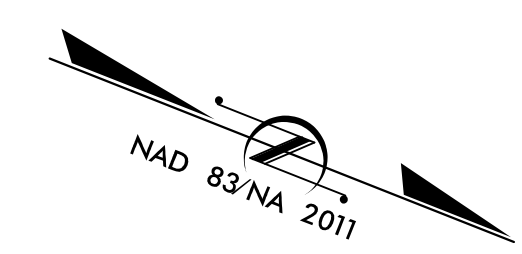
FOR - EBL - PROFILE, SEE SHEET 45 & 46  
 FOR - WBL - PROFILE, SEE SHEET 45 & 46  
 FOR RETAINING WALL -RW8-, SEE SHEET W-7 & W-8  
 FOR RETAINING WALL -RW9-, SEE SHEET W-9

2/15/2016  
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8/17/99



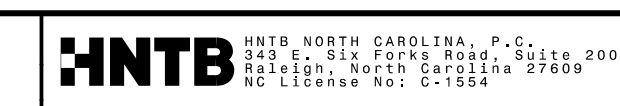
PROJECT REFERENCE NO.	SHEET NO.
1-4700	EC-47/CONST.15
RW SHEET NO.	1-4700A-26
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



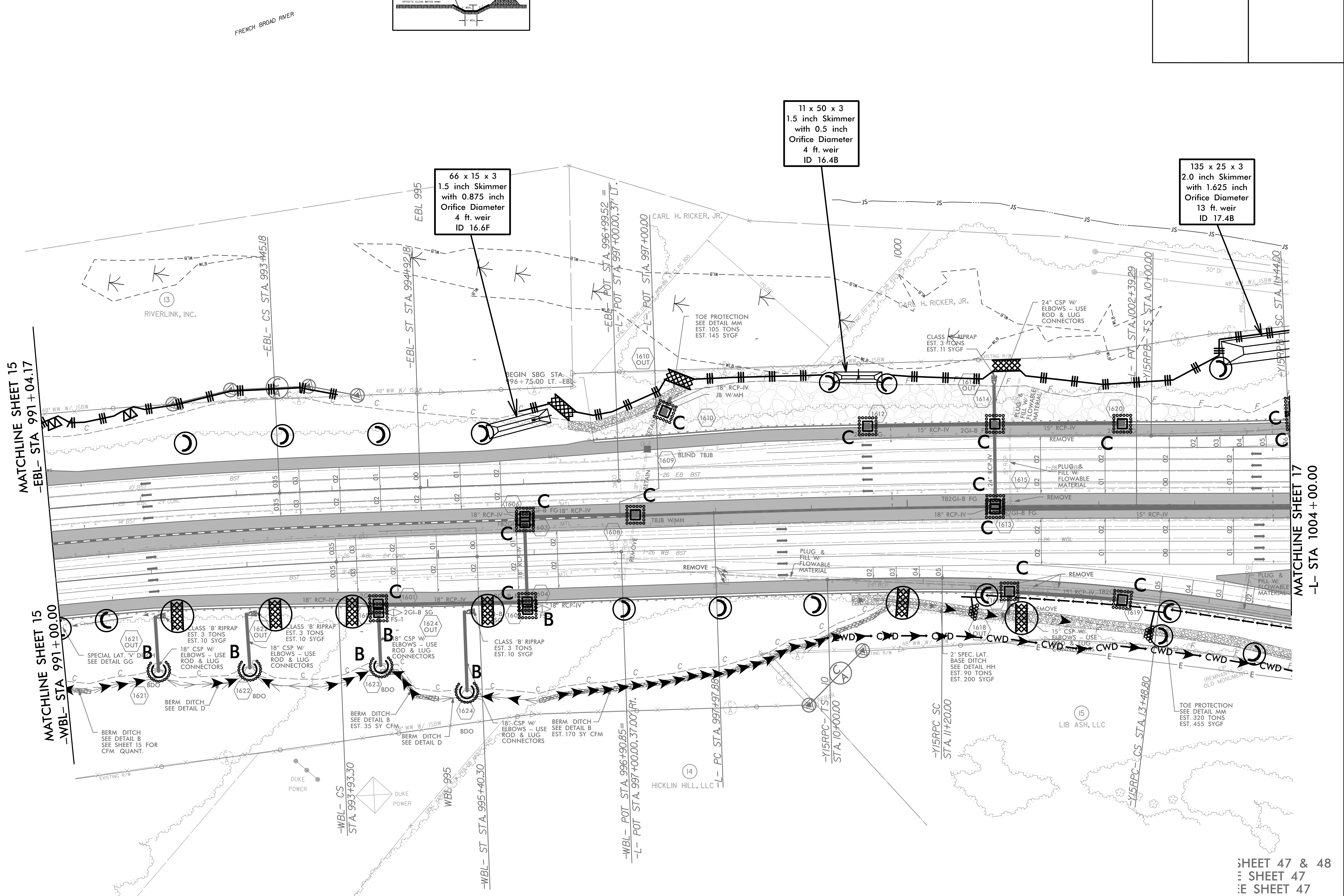
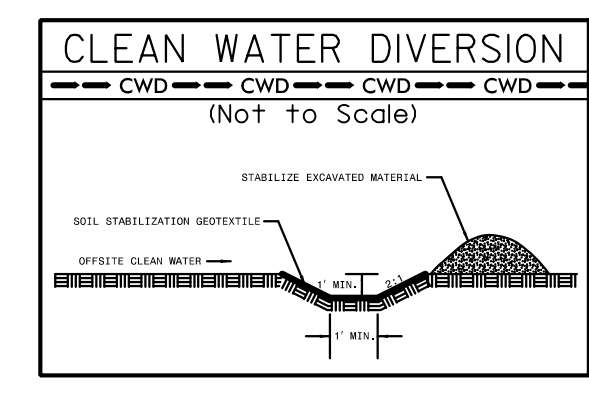
FOR - EBL - PROFILE, SEE SHEET 46 & 47  
FOR - WBL - PROFILE, SEE SHEET 46 & 47  
FOR RETAINING WALL -RW9-, SEE SHEET W-9

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2:53:01 PM  
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HNTB

8/17/99



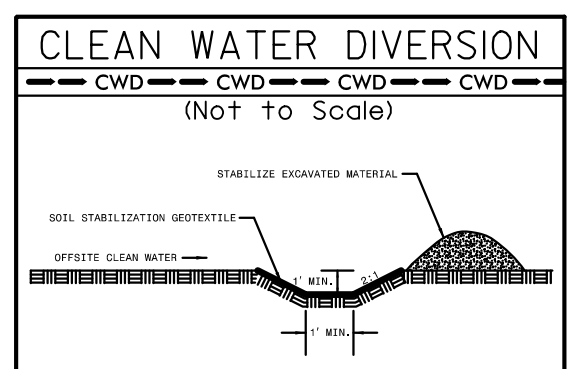
PROJECT REFERENCE NO.	SHEET NO.
1-4700	EC-48/CONST.16
R/W SHEET NO.	1-4700A-27
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



2/15/2016 11:47:00A.EC.PSH.16.dgn

SHEET 47 & 48  
 SHEET 47  
 SHEET 47  
 SEE SHEET 66  
 FOR - Y15RPC - PROFILE, SEE SHEET 67

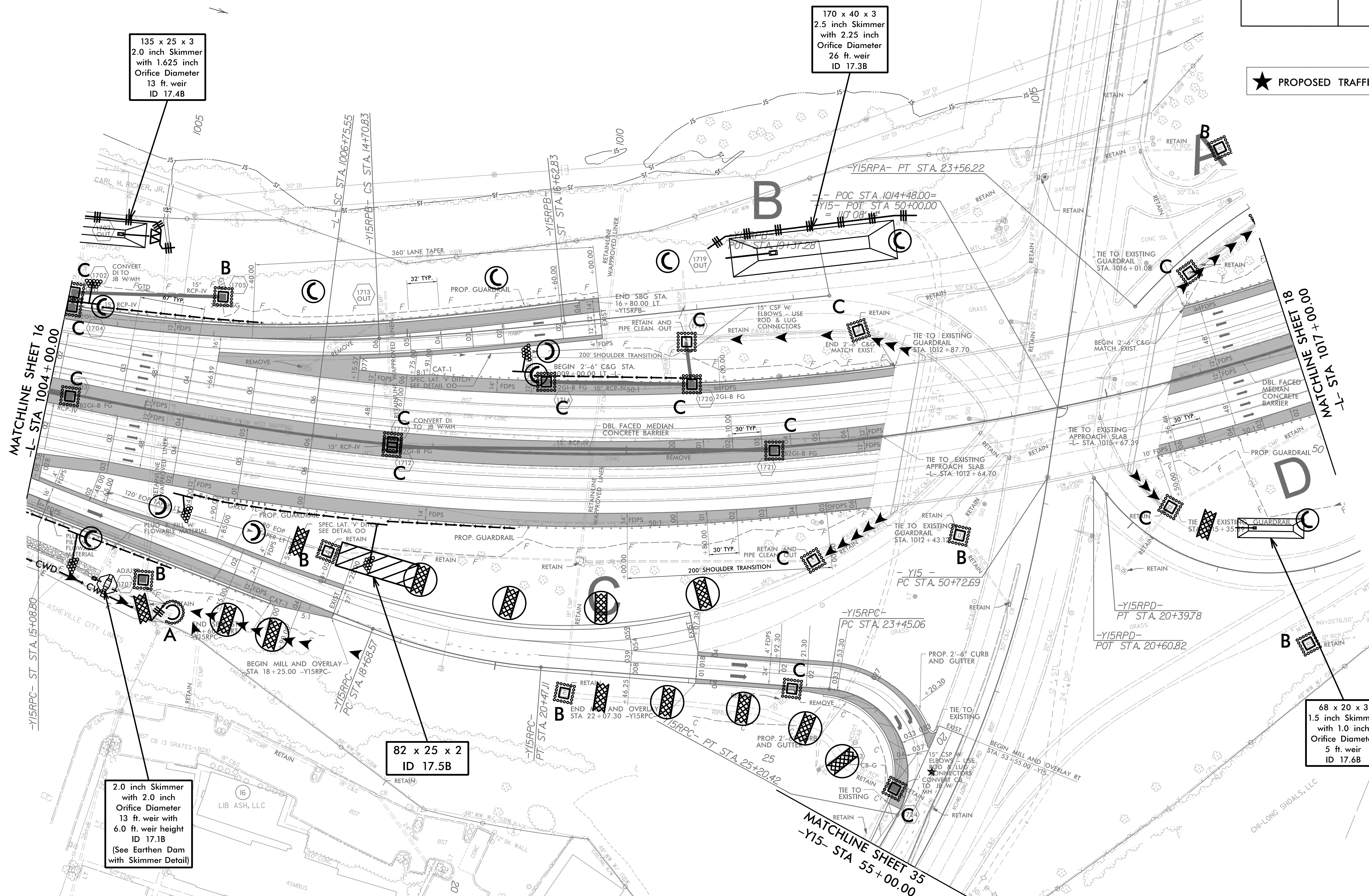
8/17/99  
2/15/2019  
HNTB  
2:\15\2019\14700A.EC.PSH.17.dgn



<b>HNTB</b> HNTB NORTH CAROLINA, P.C. 1000 WEST PARKWAY, SUITE 200 Raleigh, North Carolina 27609 NC License No. 2-1354	PROJECT REFERENCE NO. 1-4700	SHEET NO. EC-49/CONST.17
	RW SHEET NO. 1-4700A-28	ROADWAY DESIGN ENGINEER



★ PROPOSED TRAFFIC SIGNAL



68 x 20 x 3  
1.5 inch Skimmer  
with 1.0 inch  
Orifice Diameter  
5 ft. weir  
ID 17.6B

2.0 inch Skimmer  
with 2.0 inch  
Orifice Diameter  
13 ft. weir with  
6.0 ft. weir height  
ID 17.1B  
(See Earthen Dam  
with Skimmer Detail)

82 x 25 x 2  
ID 17.5B

170 x 40 x 3  
2.5 inch Skimmer  
with 2.25 inch  
Orifice Diameter  
26 ft. weir  
ID 17.38

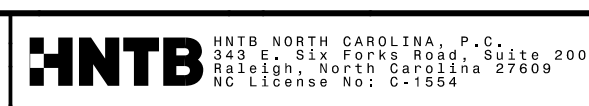
135 x 25 x 3  
2.0 inch Skimmer  
with 1.625 inch  
Orifice Diameter  
13 ft. weir  
ID 17.4B

MATCHLINE SHEET 35  
-Y15- STA 55+00.00

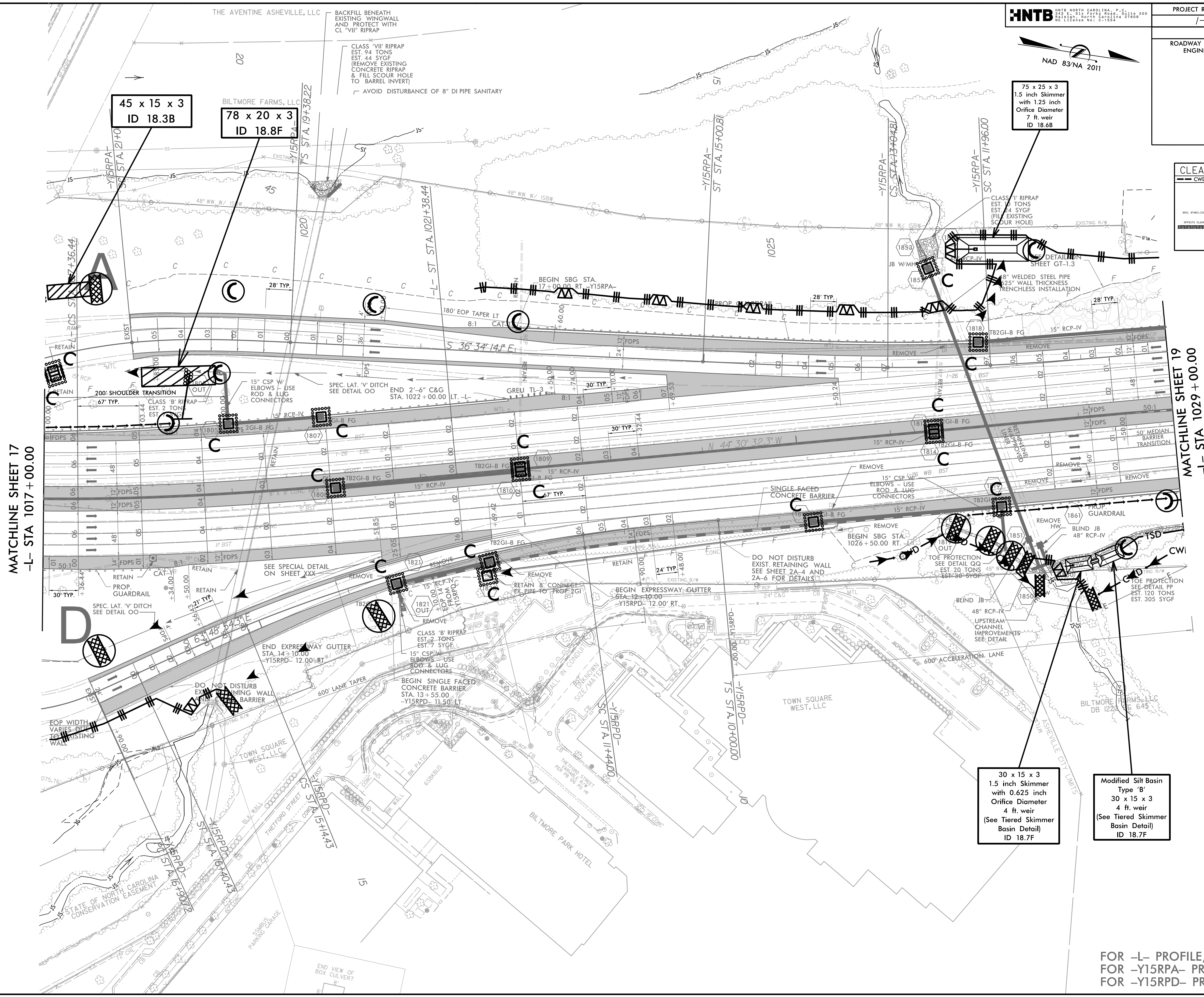
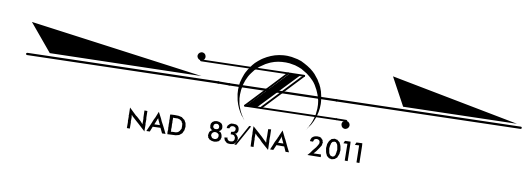
MATCHLINE SHEET 16  
-L- STA 1004+00.00

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I:\4700A.EC.PSH.18.dgn  
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PROJECT REFERENCE NO.	SHEET NO.
1-4700	EC-50/CONST.18
RW SHEET NO.	1-4700A-28
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCHLINE SHEET 17  
-L- STA 1017+00.00

MATCHLINE SHEET 19  
-L- STA 1029+00.00

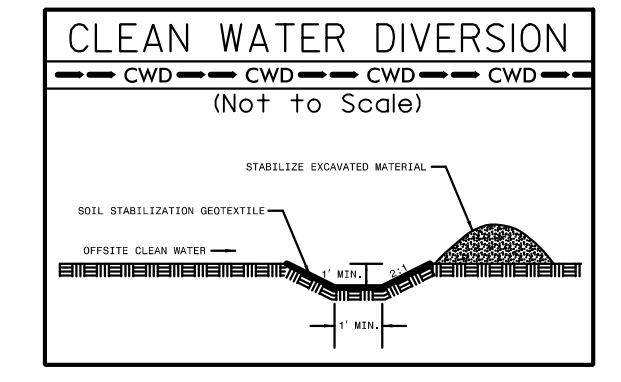
45 x 15 x 3  
ID 18.3B

78 x 20 x 3  
ID 18.8F

75 x 25 x 3  
1.5 inch Skimmer  
with 1.25 inch  
Orifice Diameter  
7 ft. weir  
ID 18.6B

30 x 15 x 3  
1.5 inch Skimmer  
with 0.625 inch  
Orifice Diameter  
4 ft. weir  
(See Tiered Skimmer  
Basin Detail)  
ID 18.7F

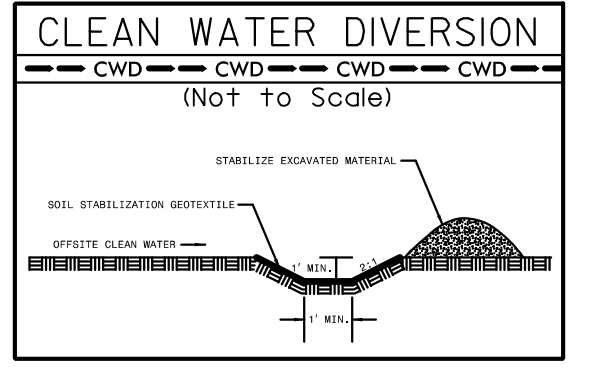
Modified Silt Basin  
Type 'B'  
30 x 15 x 3  
4 ft. weir  
(See Tiered Skimmer  
Basin Detail)  
ID 18.7F



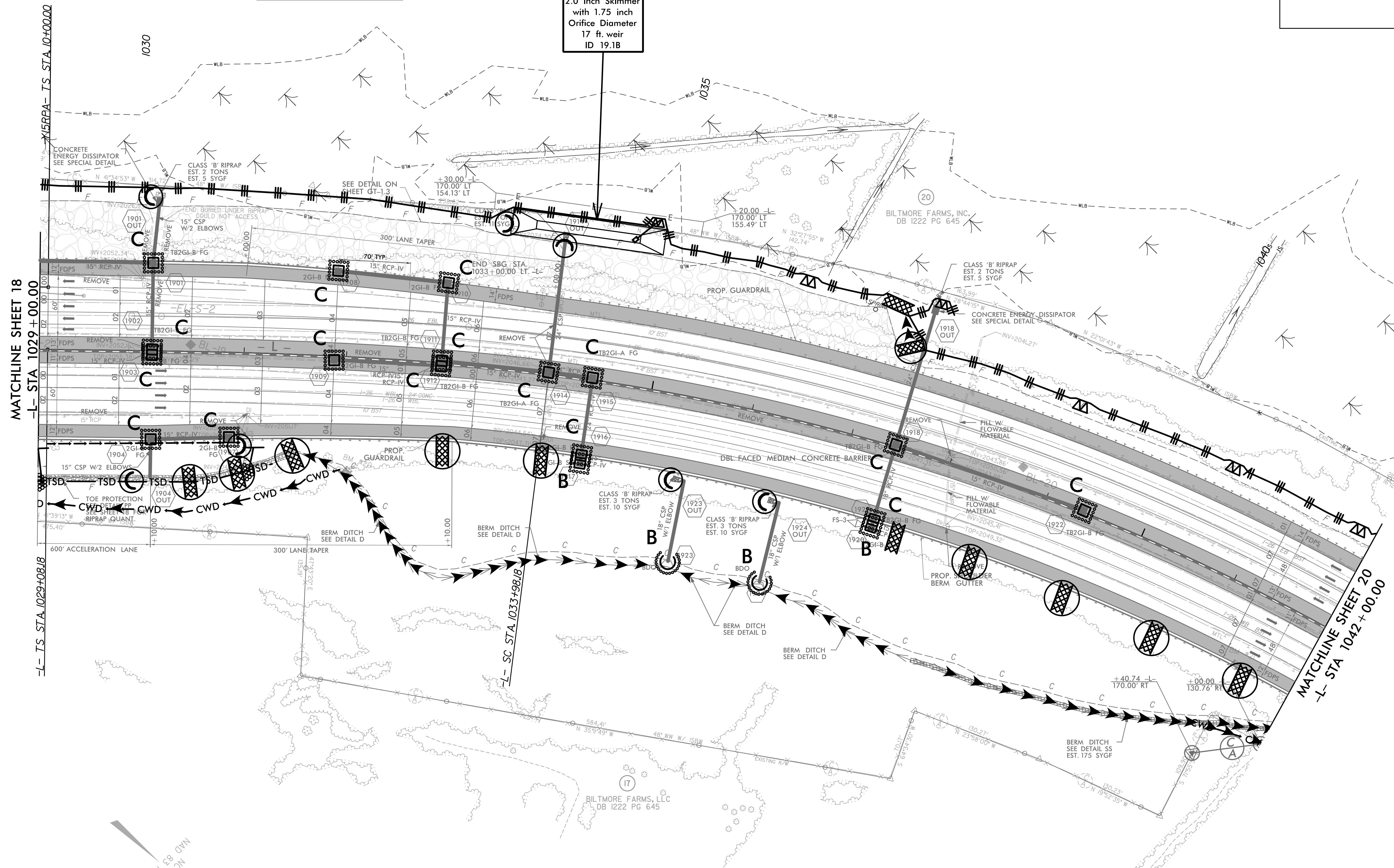
FOR -L- PROFILE, SEE SHEET 48 & 49  
FOR -Y15RPA- PROFILE, SEE SHEET 66  
FOR -Y15RPD- PROFILE, SEE SHEET 68

8/17/99

	PROJECT REFERENCE NO.	SHEET NO.
	1-4700	EC-51/CONST.19
	RW SHEET NO.	1-4700A-29
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER




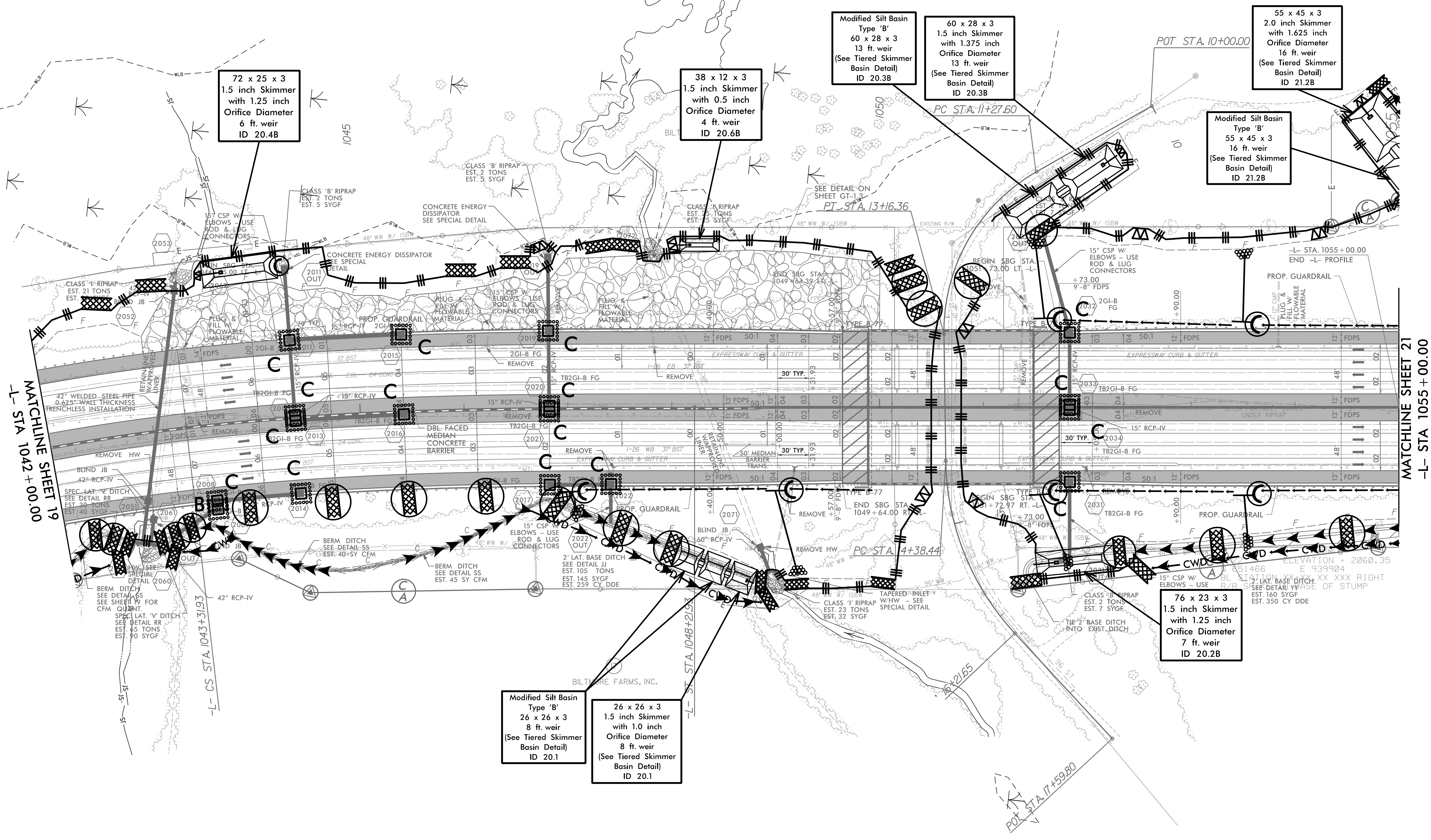
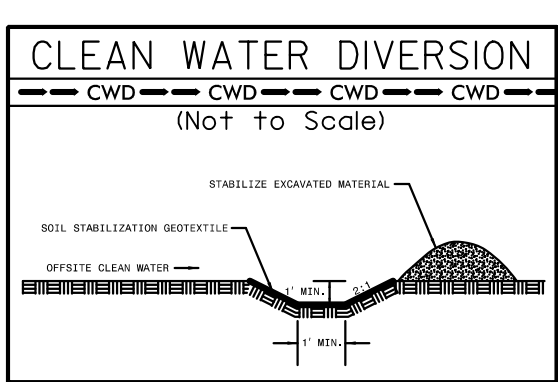
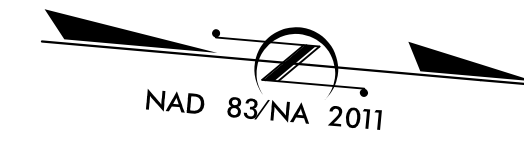
150 x 25 x 3  
2.0 inch Skimmer  
with 1.75 inch  
Orifice Diameter  
17 ft. weir  
ID 19.18



FOR - L - PROFILE, SEE SHEET 49

1/28/2016 10:53:59 AM I:\4700A.EC.PSH.19.dgn

 <small>HNTB NORTH CAROLINA, P.C. 345 S. 28th Street, Suite 200 Raleigh, North Carolina 27609 NC License No. 1-1554</small>	PROJECT REFERENCE NO.	SHEET NO.
	1-4700	EC-52/CONST.20
	RW SHEET NO.	1-4700A-30
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER



72 x 25 x 3  
1.5 inch Skimmer  
with 1.25 inch  
Orifice Diameter  
6 ft. weir  
ID 20.4B

38 x 12 x 3  
1.5 inch Skimmer  
with 0.5 inch  
Orifice Diameter  
4 ft. weir  
ID 20.6B

Modified Silt Basin  
Type 'B'  
60 x 28 x 3  
13 ft. weir  
(See Tiered Skimmer  
Basin Detail)  
ID 20.3B

60 x 28 x 3  
1.5 inch Skimmer  
with 1.375 inch  
Orifice Diameter  
13 ft. weir  
(See Tiered Skimmer  
Basin Detail)  
ID 20.3B

55 x 45 x 3  
2.0 inch Skimmer  
with 1.625 inch  
Orifice Diameter  
16 ft. weir  
(See Tiered Skimmer  
Basin Detail)  
ID 21.2B

Modified Silt Basin  
Type 'B'  
55 x 45 x 3  
16 ft. weir  
(See Tiered Skimmer  
Basin Detail)  
ID 21.2B

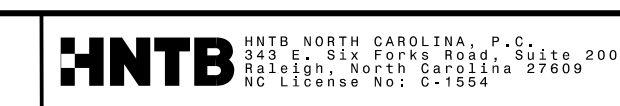
Modified Silt Basin  
Type 'B'  
26 x 26 x 3  
8 ft. weir  
(See Tiered Skimmer  
Basin Detail)  
ID 20.1

26 x 26 x 3  
1.5 inch Skimmer  
with 1.0 inch  
Orifice Diameter  
8 ft. weir  
(See Tiered Skimmer  
Basin Detail)  
ID 20.1

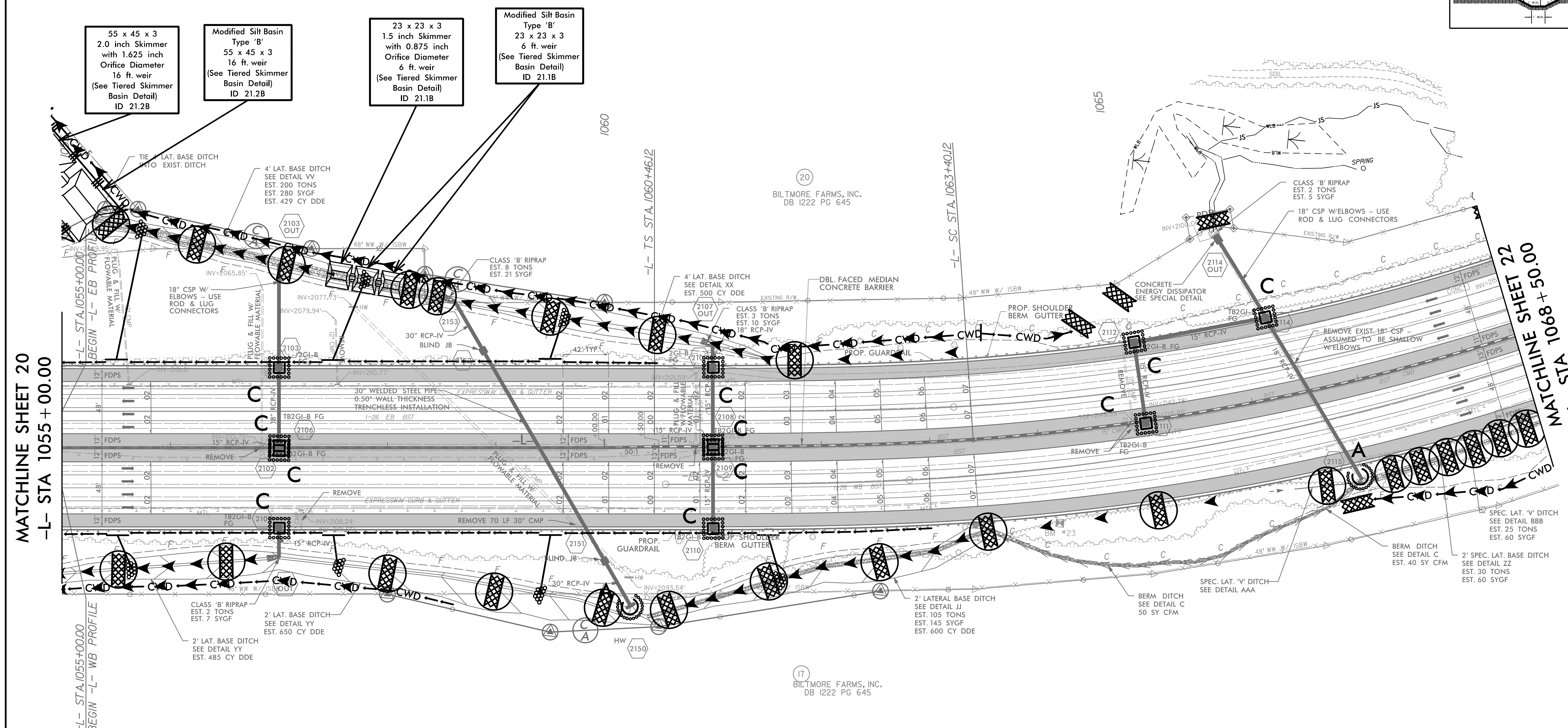
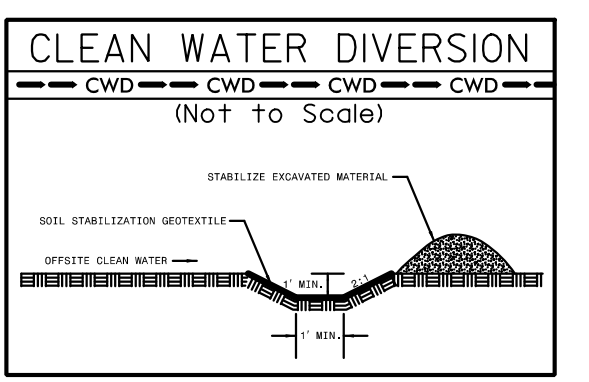
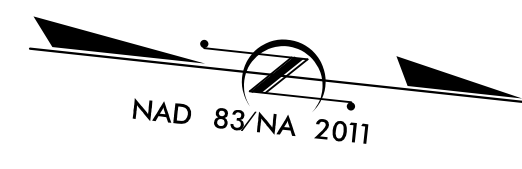
76 x 23 x 3  
1.5 inch Skimmer  
with 1.25 inch  
Orifice Diameter  
7 ft. weir  
ID 20.2B

7/19/2017

2/27/2018  
C:\Users\hntb\OneDrive\Documents\1-4700B\_EC\_PSH\_21.dgn  
HNTB



PROJECT REFERENCE NO.	SHEET NO.
1-4700	EC-53/CONST.21
RW SHEET NO.	1-4700B-31
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



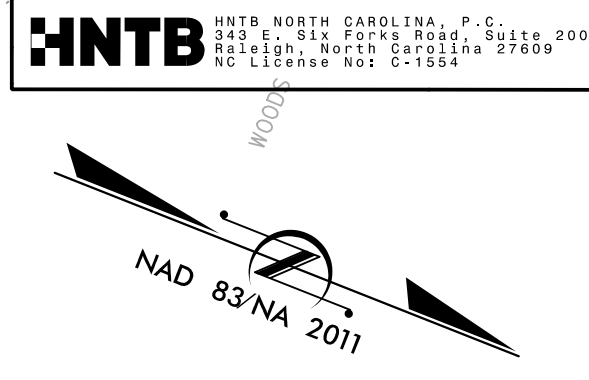
MATCHLINE SHEET 20  
-L- STA 1055+00.00

MATCHLINE SHEET 22  
-L- STA 1068+50.00

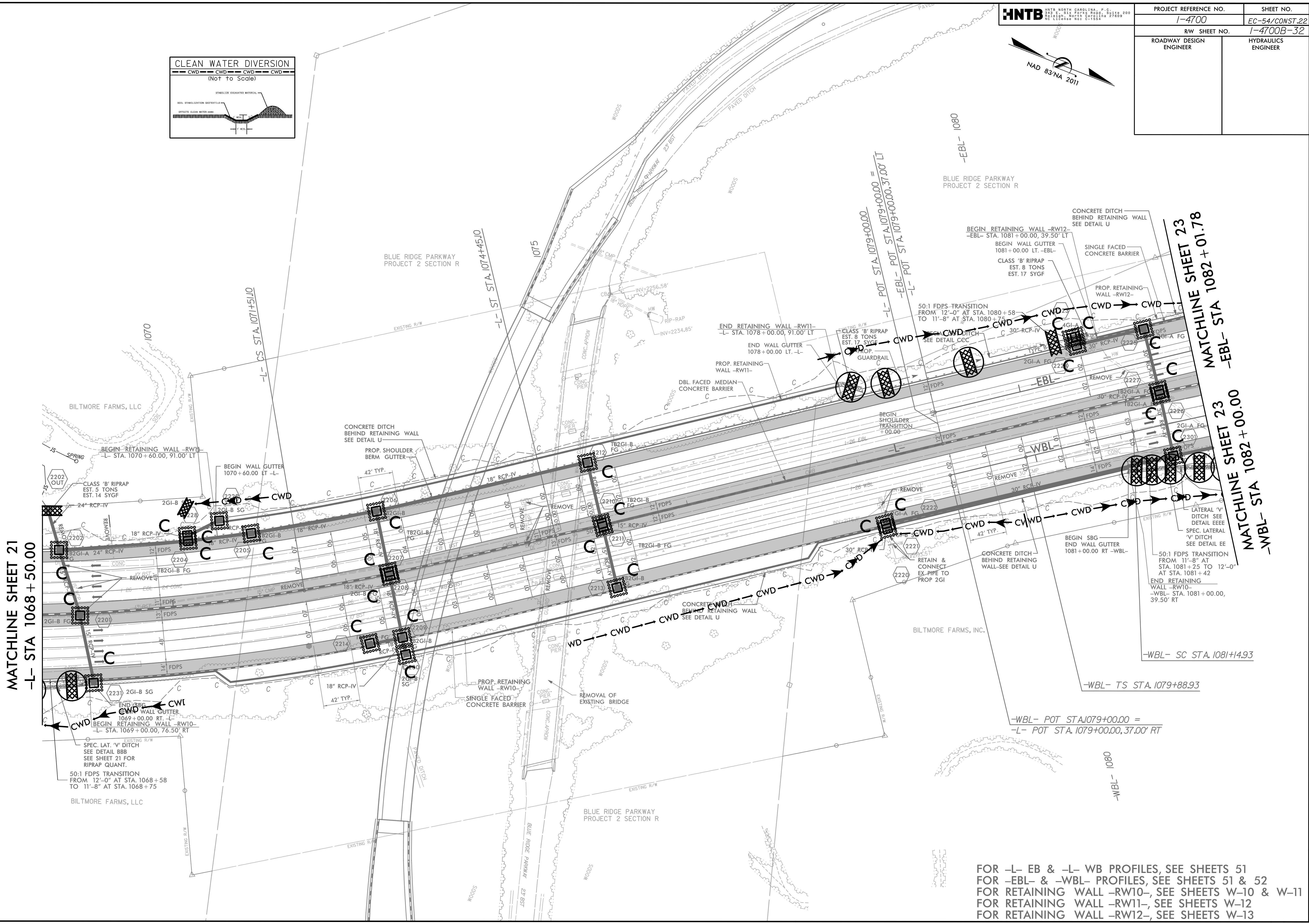
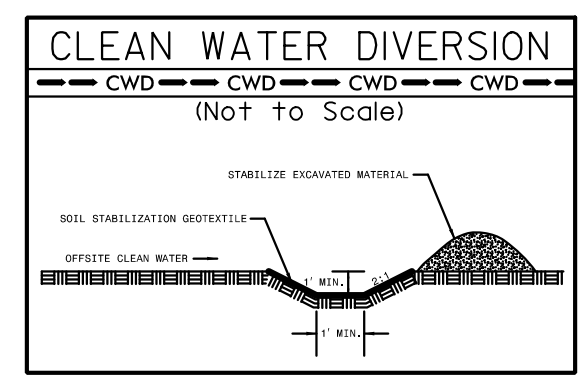
FOR -L- EB & -L- WB PROFILES, SEE SHEET 50 & 51



7/19/2017



PROJECT REFERENCE NO.	SHEET NO.
1-4700	EC-54/CONST.22
R/W SHEET NO.	1-4700B-32
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCHLINE SHEET 21  
-L- STA 1068 + 50.00

MATCHLINE SHEET 23  
-EBL- STA 1082 + 01.78

MATCHLINE SHEET 23  
-WBL- STA 1082 + 00.00

-WBL- TS STA. 1079+88.93


-WBL- POT STA. 1079+00.00 =  
-L- POT STA. 1079+00.00, 37.00' RT

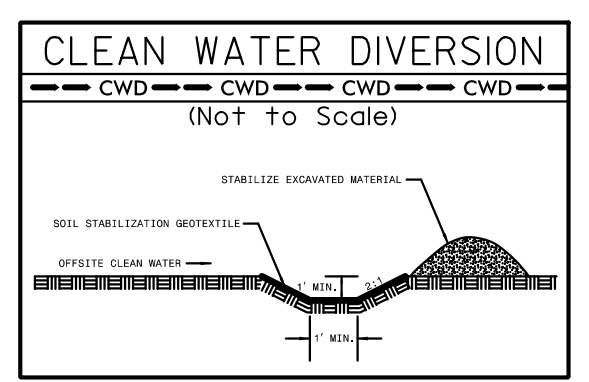
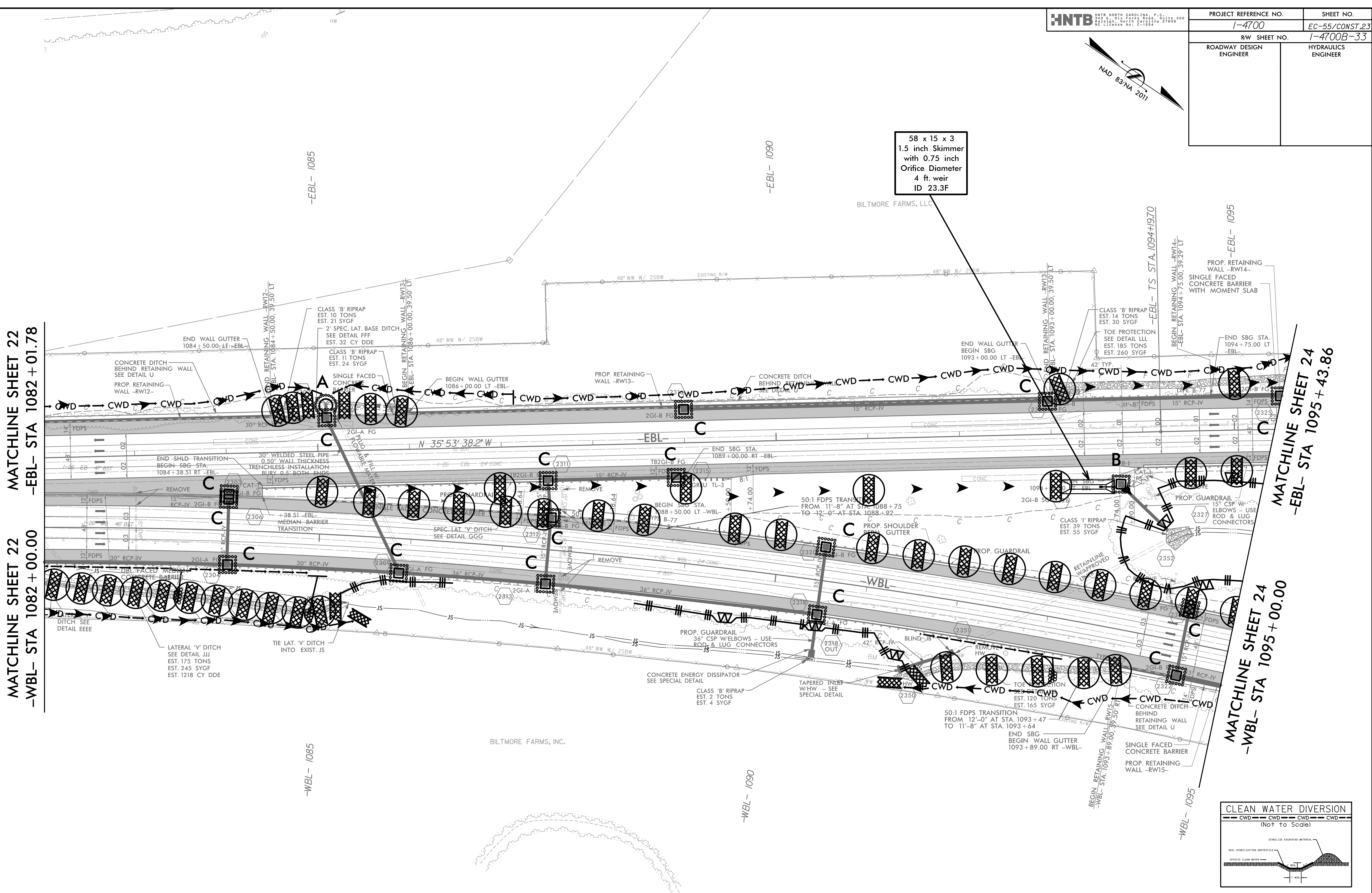
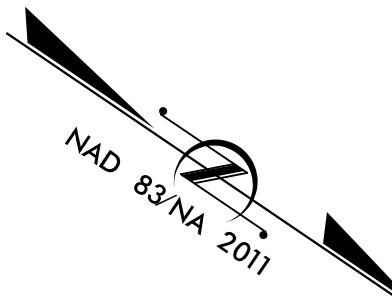
FOR -L- EB & -L- WB PROFILES, SEE SHEETS 51  
 FOR -EBL- & -WBL- PROFILES, SEE SHEETS 51 & 52  
 FOR RETAINING WALL -RW10-, SEE SHEETS W-10 & W-11  
 FOR RETAINING WALL -RW11-, SEE SHEETS W-12  
 FOR RETAINING WALL -RW12-, SEE SHEETS W-13

2/15/2019  
 Design: J-4700B\_EC\_PSH\_22.dgn  
 HNTB

7/19/2017

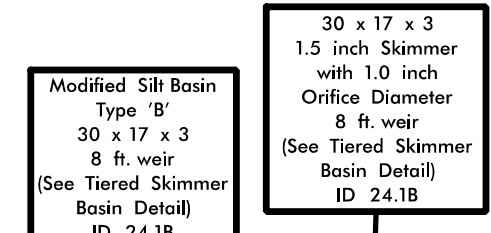
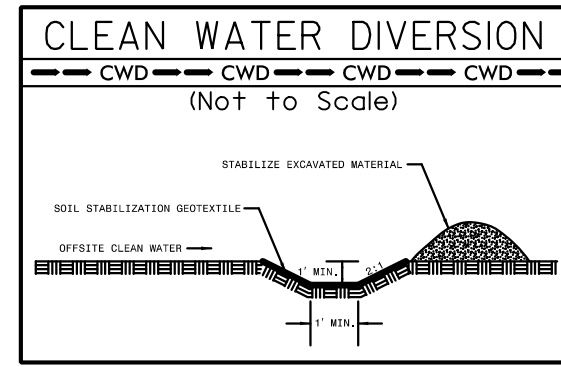
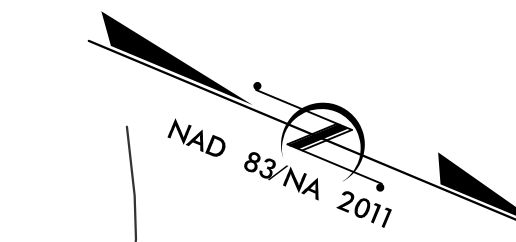
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HNTB

 <small>HNTB NORTH CAROLINA, P.C. 200 S. 10TH STREET, SUITE 200 RALEIGH, NORTH CAROLINA 27609 NC LICENSE NO. 2-1554</small>	PROJECT REFERENCE NO.	SHEET NO.
	1-4700	EC-55/CONST.23
ROADWAY DESIGN ENGINEER	RW SHEET NO. 1-4700B-33	
HYDRAULICS ENGINEER		



FOR -WBL- & -EBL- PROFILES, SEE SHEETS 52  
 FOR RETAINING WALL -RW12-, SEE SHEETS W-13  
 FOR RETAINING WALL -RW13-, SEE SHEETS W-14  
 FOR RETAINING WALL -RW14-, SEE SHEETS W-15  
 FOR RETAINING WALL -RW15-, SEE SHEETS W-16

PROJECT REFERENCE NO.	SHEET NO.
1-4700	EC-56/CONST.24
RW SHEET NO.	1-4700B-34
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

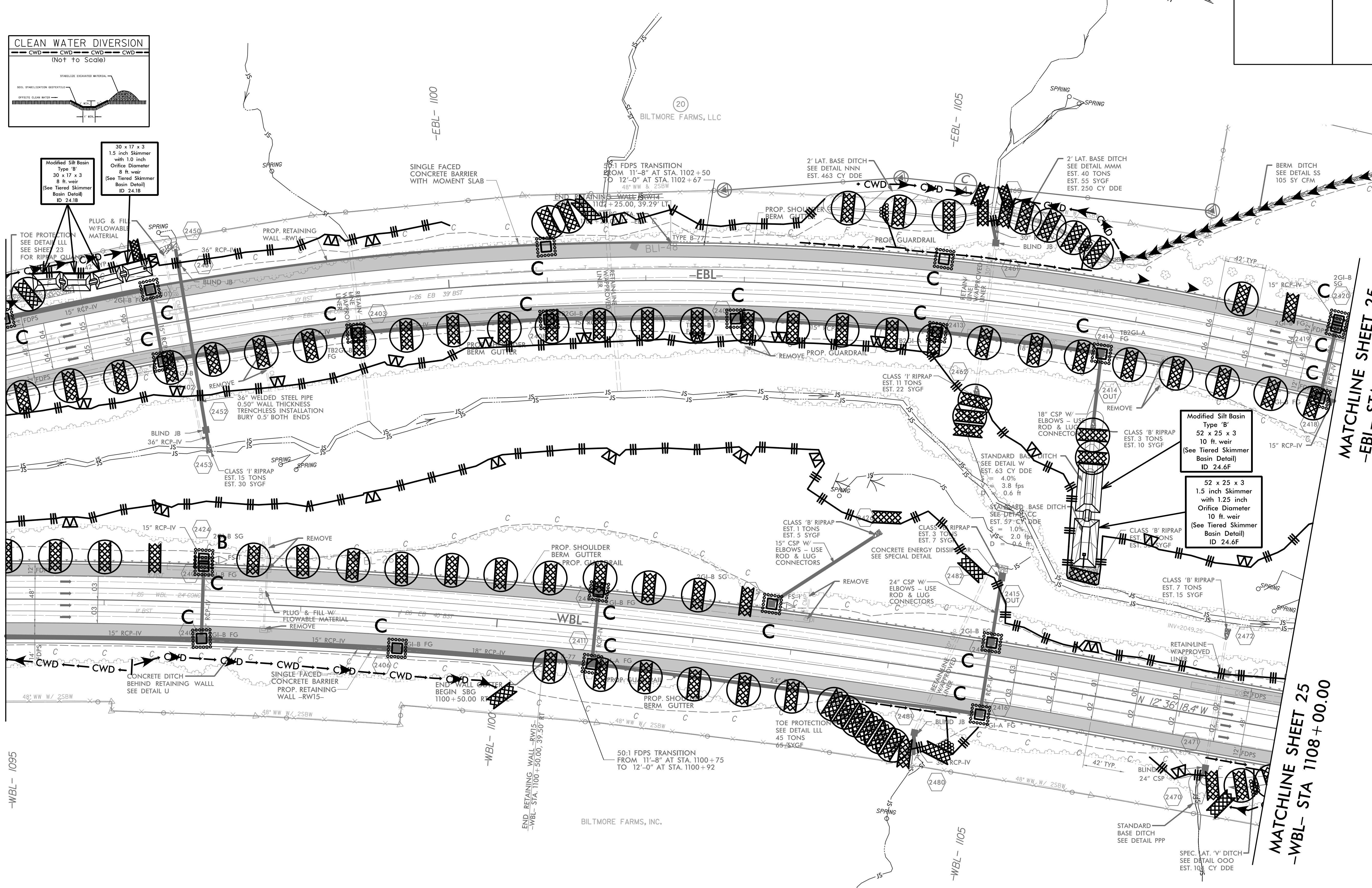


MATCHLINE SHEET 23  
-EBL- STA 1095 + 43.86

MATCHLINE SHEET 23  
-WBL- STA 1095 + 00.00

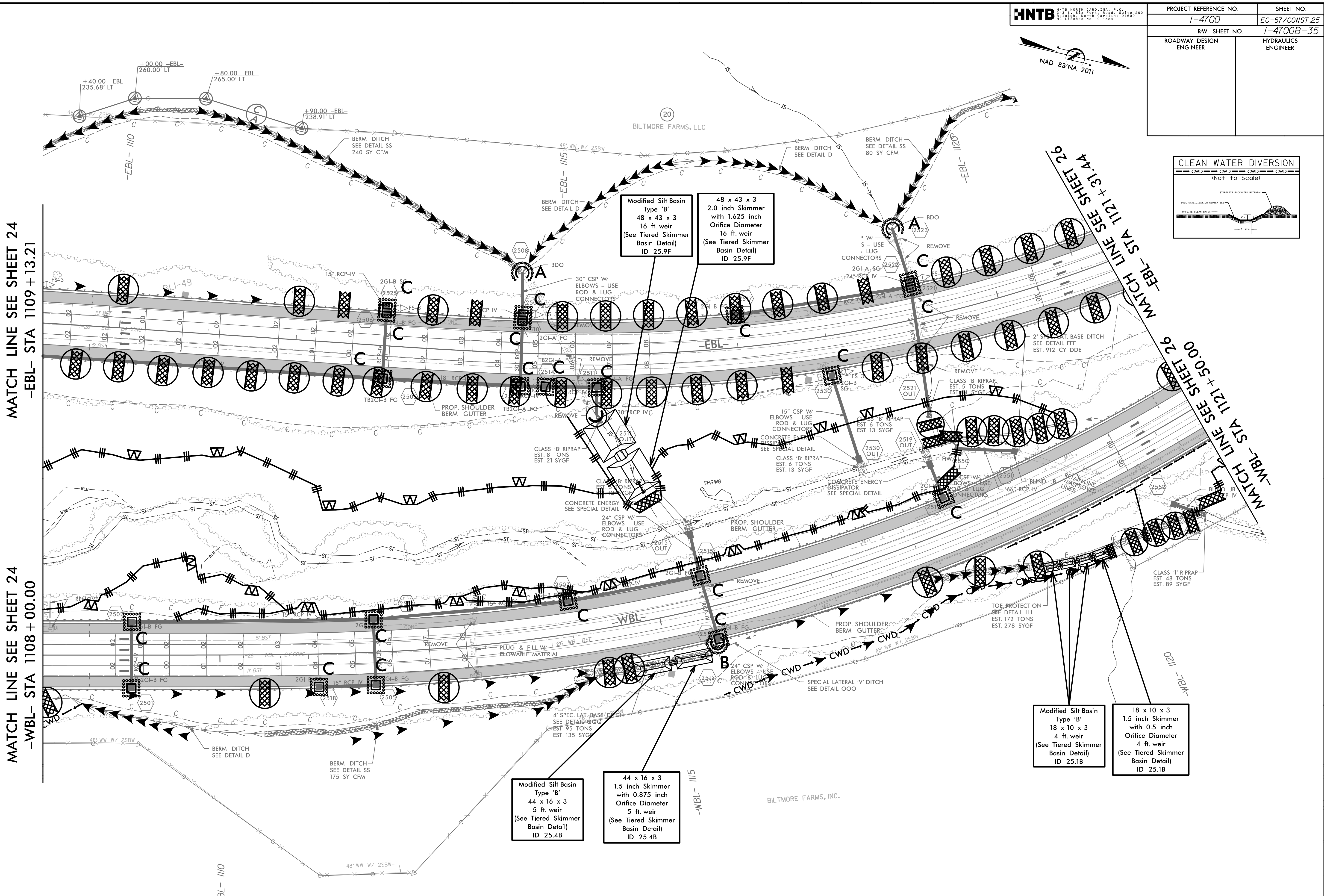
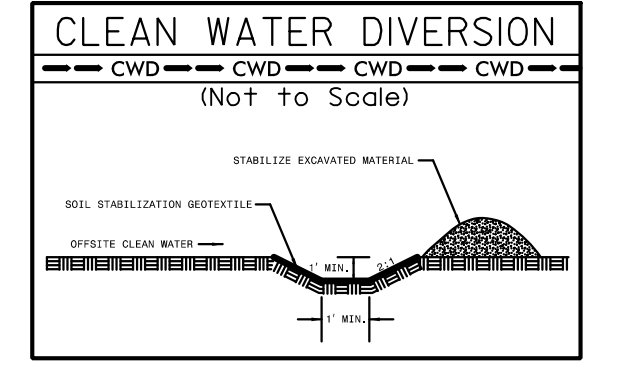
MATCHLINE SHEET 25  
-EBL- STA 1109 + 13.21

MATCHLINE SHEET 25  
-WBL- STA 1108 + 00.00



FOR -WBL- & -EBL- PROFILES, SEE SHEETS 52 & 53  
FOR RETAINING WALL -RW14-, SEE SHEETS W-15  
FOR RETAINING WALL -RW15-, SEE SHEETS W-16

	PROJECT REFERENCE NO.	SHEET NO.
	1-4700	EC-57/CONST.25
	RW SHEET NO.	1-4700B-35
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER



MATCH LINE SEE SHEET 24  
-EBL- STA 1109 + 13.21

MATCH LINE SEE SHEET 24  
-WBL- STA 1108 + 00.00

MATCH LINE SEE SHEET 26  
-EBL- STA 1121 + 31.44

MATCH LINE SEE SHEET 26  
-WBL- STA 1121 + 50.00

Modified Silt Basin  
Type 'B'  
48 x 43 x 3  
2.0 inch Skimmer  
with 1.625 inch  
Orifice Diameter  
16 ft. weir  
(See Tiered Skimmer  
Basin Detail)  
ID 25.9F

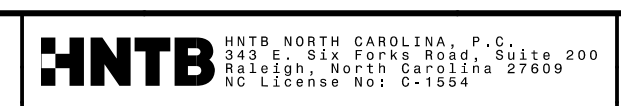
Modified Silt Basin  
Type 'B'  
18 x 10 x 3  
1.5 inch Skimmer  
with 0.875 inch  
Orifice Diameter  
5 ft. weir  
(See Tiered Skimmer  
Basin Detail)  
ID 25.1B

18 x 10 x 3  
1.5 inch Skimmer  
with 0.5 inch  
Orifice Diameter  
4 ft. weir  
(See Tiered Skimmer  
Basin Detail)  
ID 25.1B

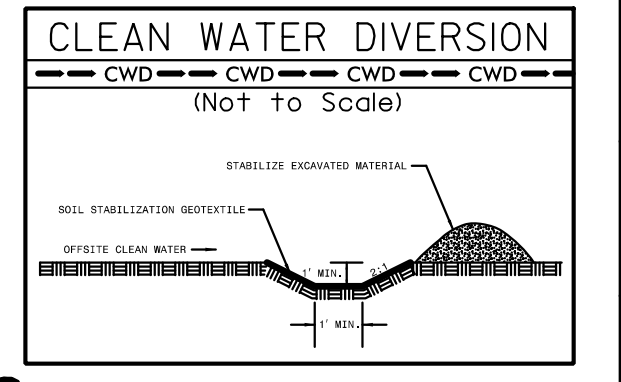
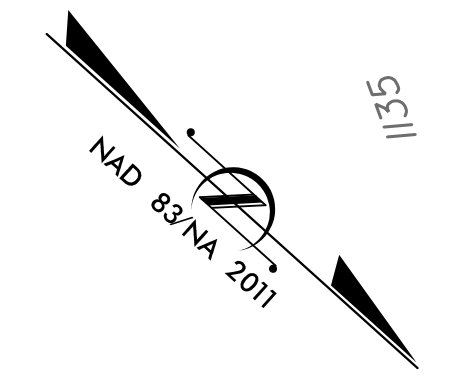
Modified Silt Basin  
Type 'B'  
44 x 16 x 3  
1.5 inch Skimmer  
with 0.875 inch  
Orifice Diameter  
5 ft. weir  
(See Tiered Skimmer  
Basin Detail)  
ID 25.4B

44 x 16 x 3  
1.5 inch Skimmer  
with 0.875 inch  
Orifice Diameter  
5 ft. weir  
(See Tiered Skimmer  
Basin Detail)  
ID 25.4B

7/19/2017

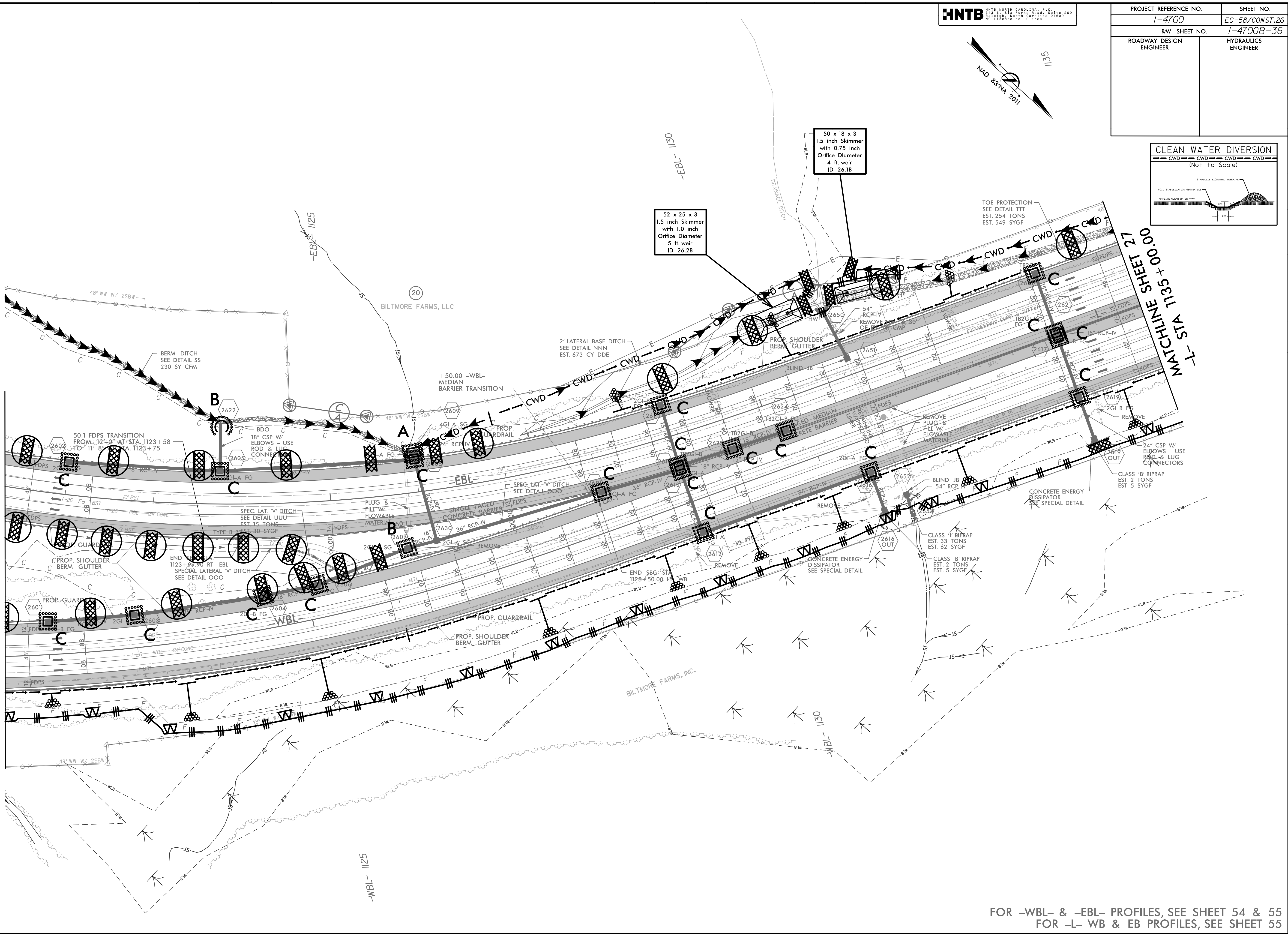


PROJECT REFERENCE NO.	SHEET NO.
1-4700	EC-58/CONST.26
RW SHEET NO.	1-4700B-36
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCHLINE SHEET 25  
-EBL- STA 1121 + 31.44

MATCHLINE SHEET 25  
-WBL- STA 1121 + 50.00

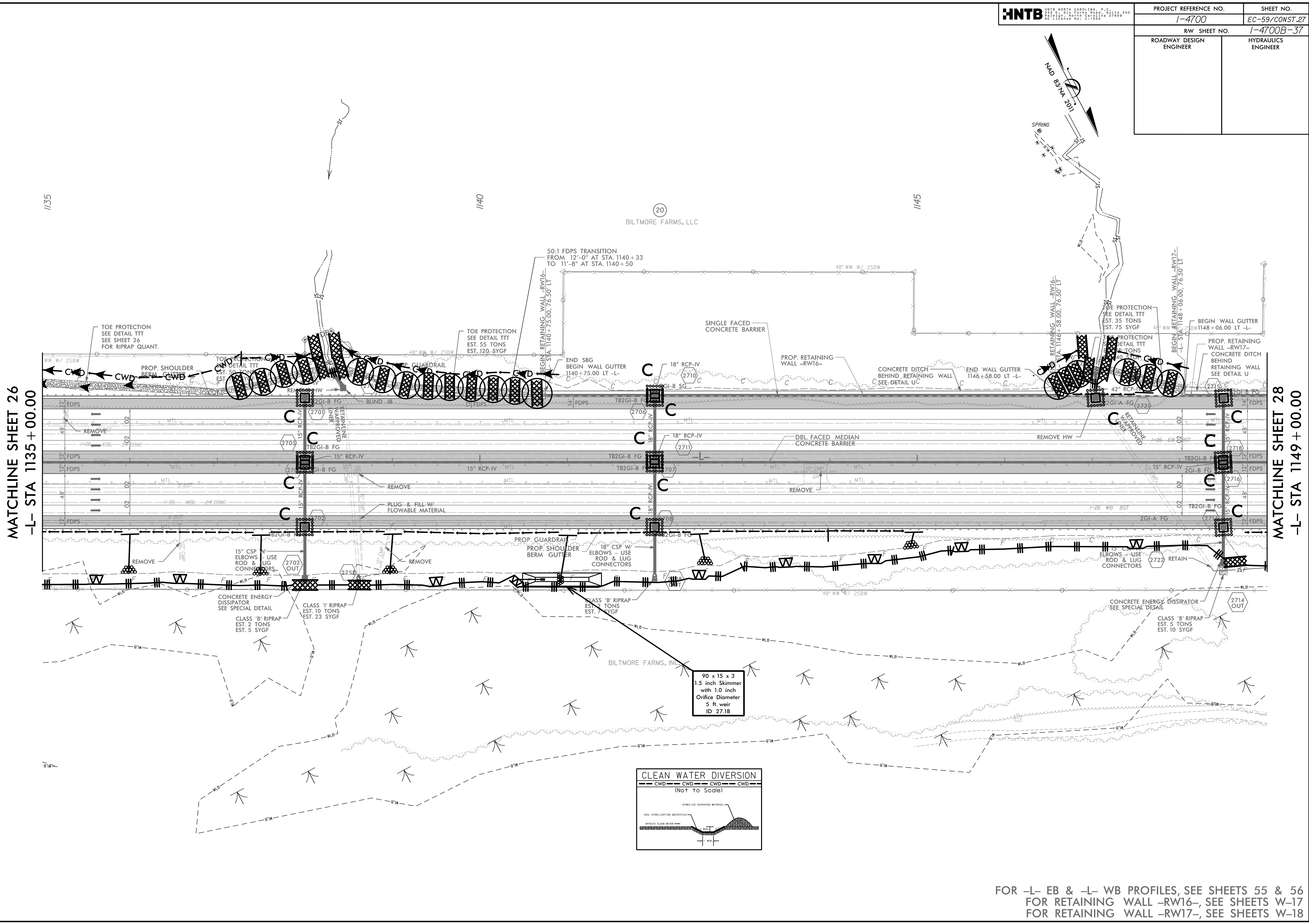


5/19/2016  
\\snp\hntb\1-4700B\_EC\_PSH\_26.dgn  
HNTB

FOR -WBL- & -EBL- PROFILES, SEE SHEET 54 & 55  
FOR -L- WB & EB PROFILES, SEE SHEET 55

7/19/2017

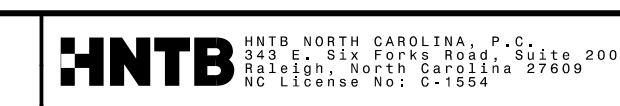
<b>HNTB</b> HNTB NORTH CAROLINA, P.C. 200 W. 52nd Street, Suite 200 Charlotte, North Carolina 27609 NC License No. 2-1554	PROJECT REFERENCE NO.	SHEET NO.
	1-4700	EC-59/CONST.27
	RW SHEET NO.	1-4700B-37
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER



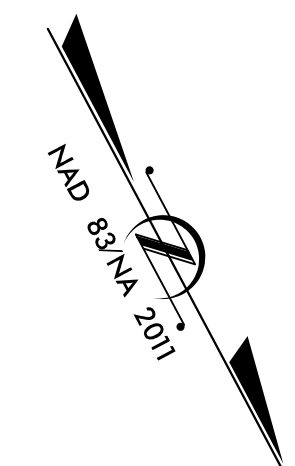
2/15/2016  
245303.dgn  
1-4700B\_EC\_PSH\_27.dgn  
HNTB

FOR -L- EB & -L- WB PROFILES, SEE SHEETS 55 & 56  
FOR RETAINING WALL -RW16-, SEE SHEETS W-17  
FOR RETAINING WALL -RW17-, SEE SHEETS W-18

7/19/2017



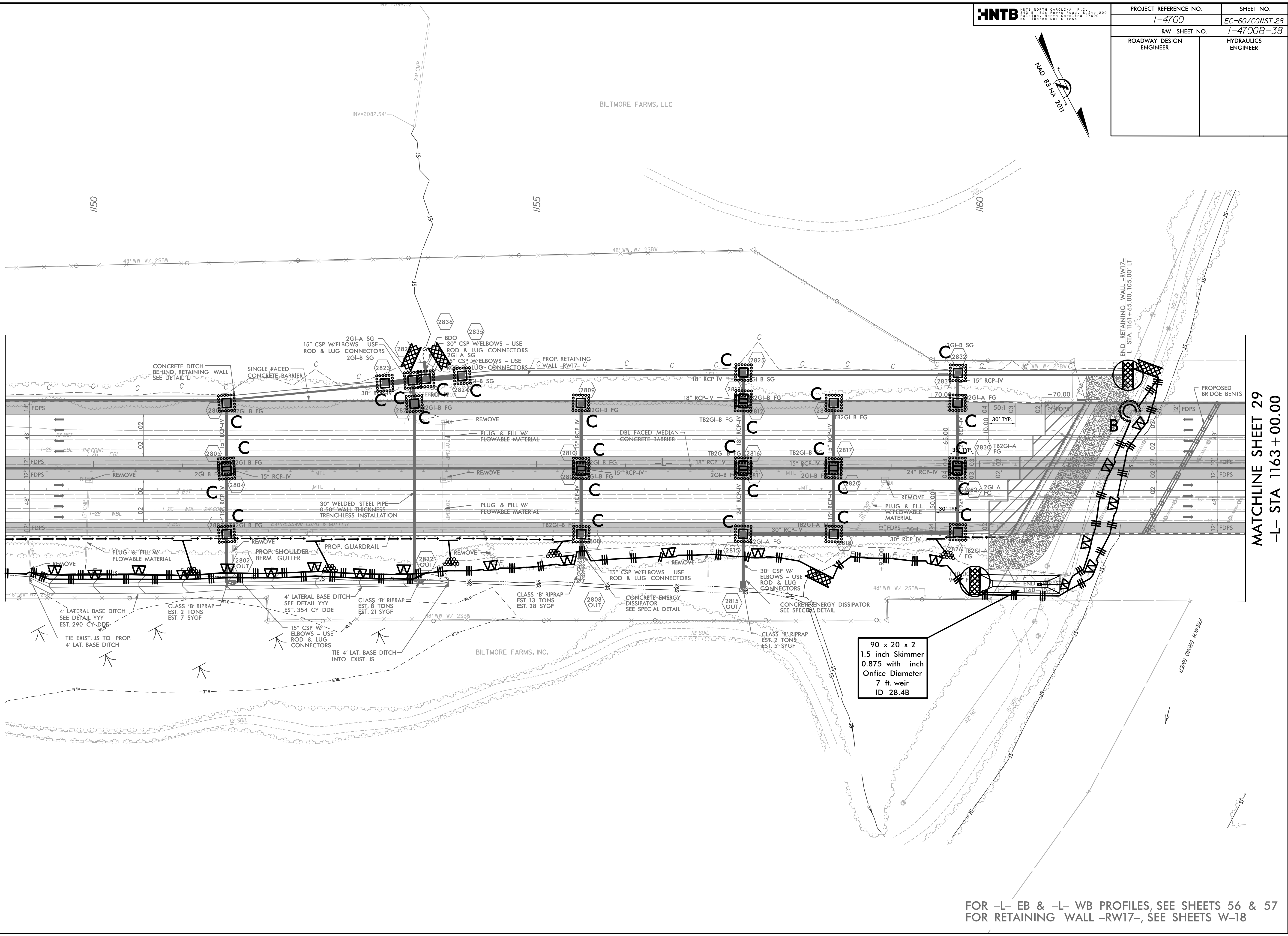
PROJECT REFERENCE NO.		SHEET NO.	
1-4700		EC-60/CONST.28	
RW SHEET NO.		1-4700B-38	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	



MATCHLINE SHEET 27  
-L- STA 1149 + 00.00

MATCHLINE SHEET 29  
-L- STA 1163 + 00.00

2/15/2016  
241523.dgn  
1-4700B\_EC\_PSH\_28.dgn



90 x 20 x 2  
1.5 inch Skimmer  
0.875 with inch  
Orifice Diameter  
7 ft weir  
ID 28.4B

FOR -L- EB & -L- WB PROFILES, SEE SHEETS 56 & 57  
FOR RETAINING WALL -RW17-, SEE SHEETS W-18

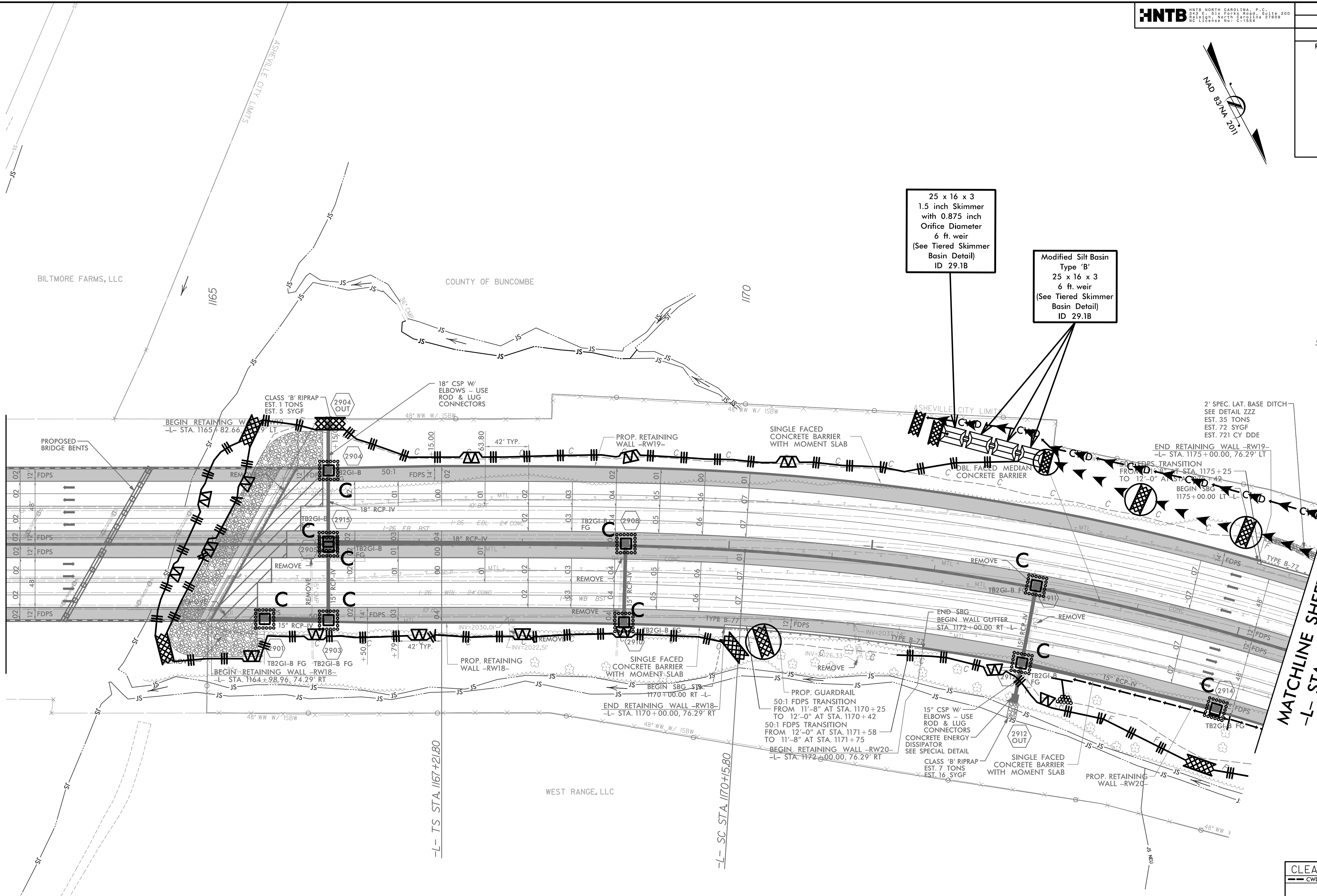
**HNTB**  
 HNTB NORTH CAROLINA, P.C.  
 300 S. 5th Street, Suite 300  
 Raleigh, North Carolina 27609  
 NC License No. C-1554

PROJECT REFERENCE NO.	SHEET NO.
1-4700	EC-61/CONST.29
RW SHEET NO.	1-4700B-39
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/NA 2011

**MATCHLINE SHEET 28**  
 -L- STA 1163+00.00

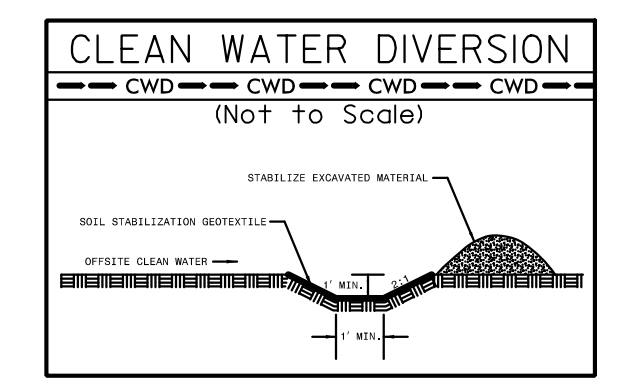
2/18/2016  
 hntb  
 21-4700B-EC\_PSH\_29.dgn  
 HNTB



25 x 16 x 3  
 1.5 inch Skimmer  
 with 0.875 inch  
 Orifice Diameter  
 6 ft. weir  
 (See Tiered Skimmer  
 Basin Detail)  
 ID 29.1B

Modified Silt Basin  
 Type 'B'  
 25 x 16 x 3  
 6 ft. weir  
 (See Tiered Skimmer  
 Basin Detail)  
 ID 29.1B

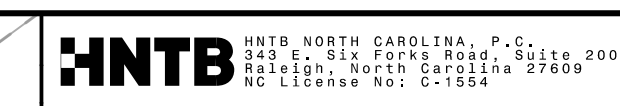
**MATCHLINE SHEET 30**  
 -L- STA 1175+50.00



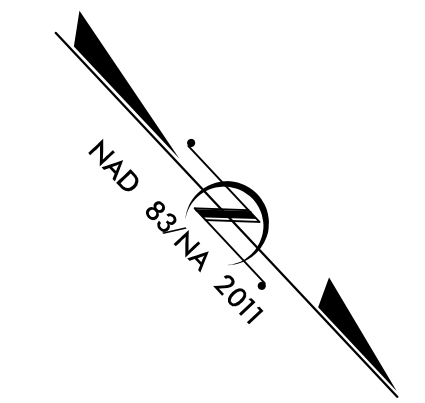
FOR -L- EB & -L- WB PROFILES, SEE SHEETS 57 & 58  
 FOR RETAINING WALL -RW18-, SEE SHEETS W-19  
 FOR RETAINING WALL -RW19-, SEE SHEETS W-20  
 FOR RETAINING WALL -RW20-, SEE SHEETS W-21



7/19/2017

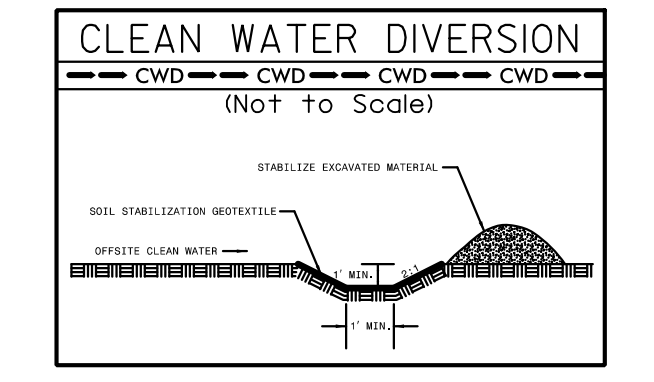
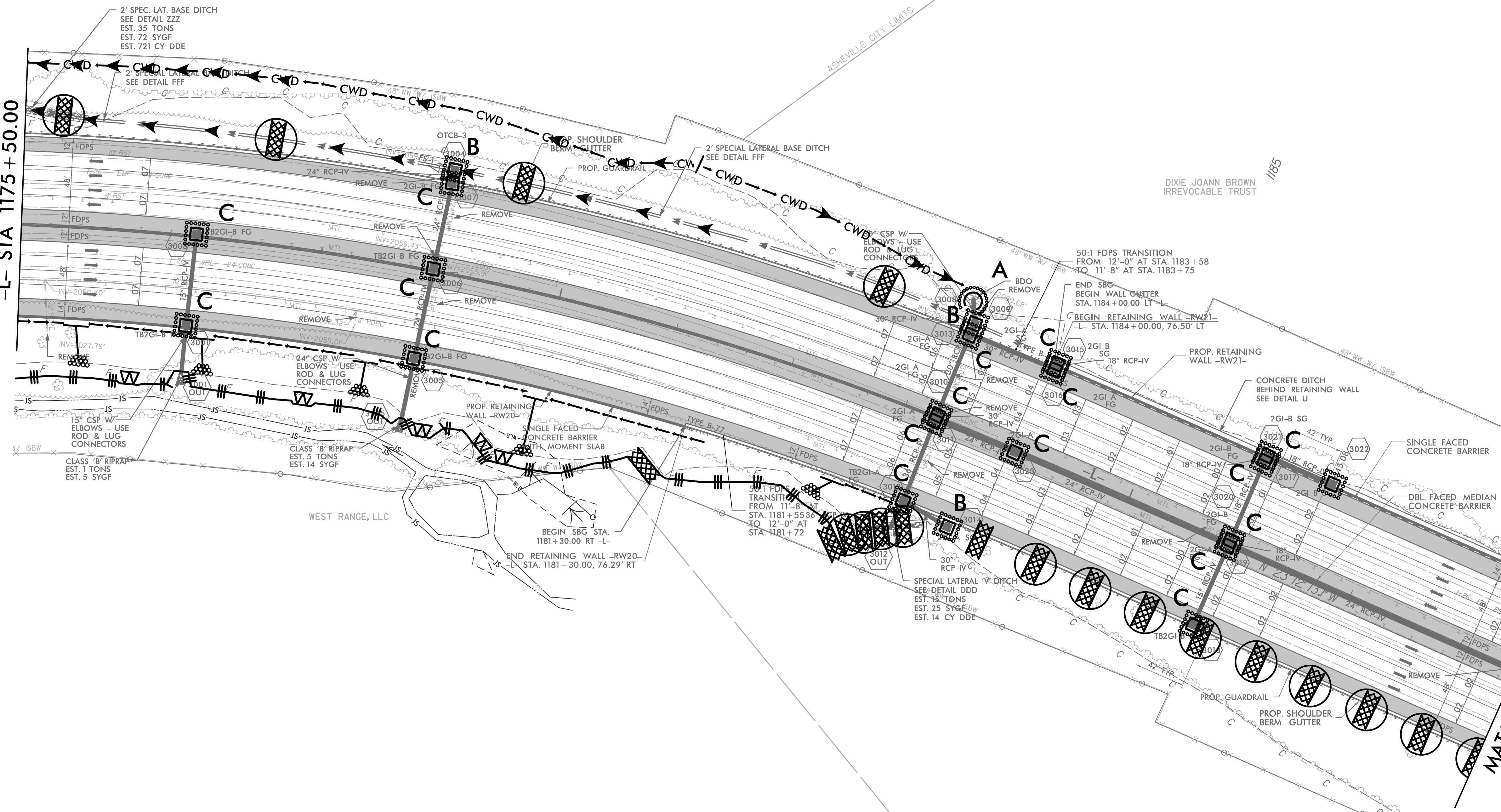


PROJECT REFERENCE NO.	SHEET NO.
1-4700	EC-62/CONST.30
RW SHEET NO.	1-4700B-40
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCHLINE SHEET 29  
-L- STA 1175 + 50.00

MATCHLINE SHEET 31  
-L- STA 1188 + 50.00



FOR -L- EB & -L- WB PROFILES, SEE SHEETS 58 & 59  
 FOR RETAINING WALL -RW20-, SEE SHEETS W-21  
 FOR RETAINING WALL -RW21-, SEE SHEETS W-22

2/18/2016  
24863.dgn  
1-4700B\_EC\_PSH\_30.dgn  
HNTB

STEVE A. & MARLENE V. BALDWIN

7/19/2017

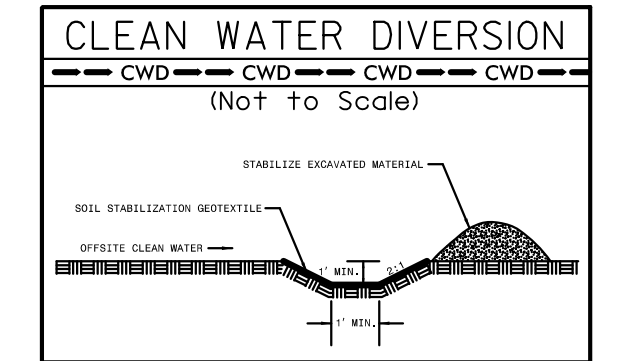
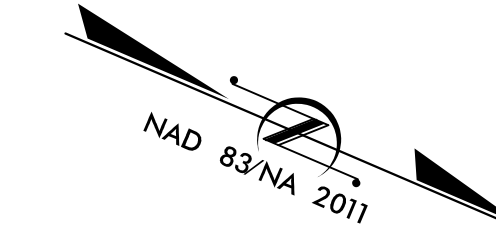
HNTB HNTB NORTH CAROLINA, P.C.  
3000 HUNTERS CREEK ROAD, SUITE 300  
RALEIGH, NORTH CAROLINA 27609  
NC LICENSE NO. L-1354

PROJECT REFERENCE NO. 1-4700 SHEET NO. EC-63/CONST-31

RW SHEET NO. 1-4700B-41

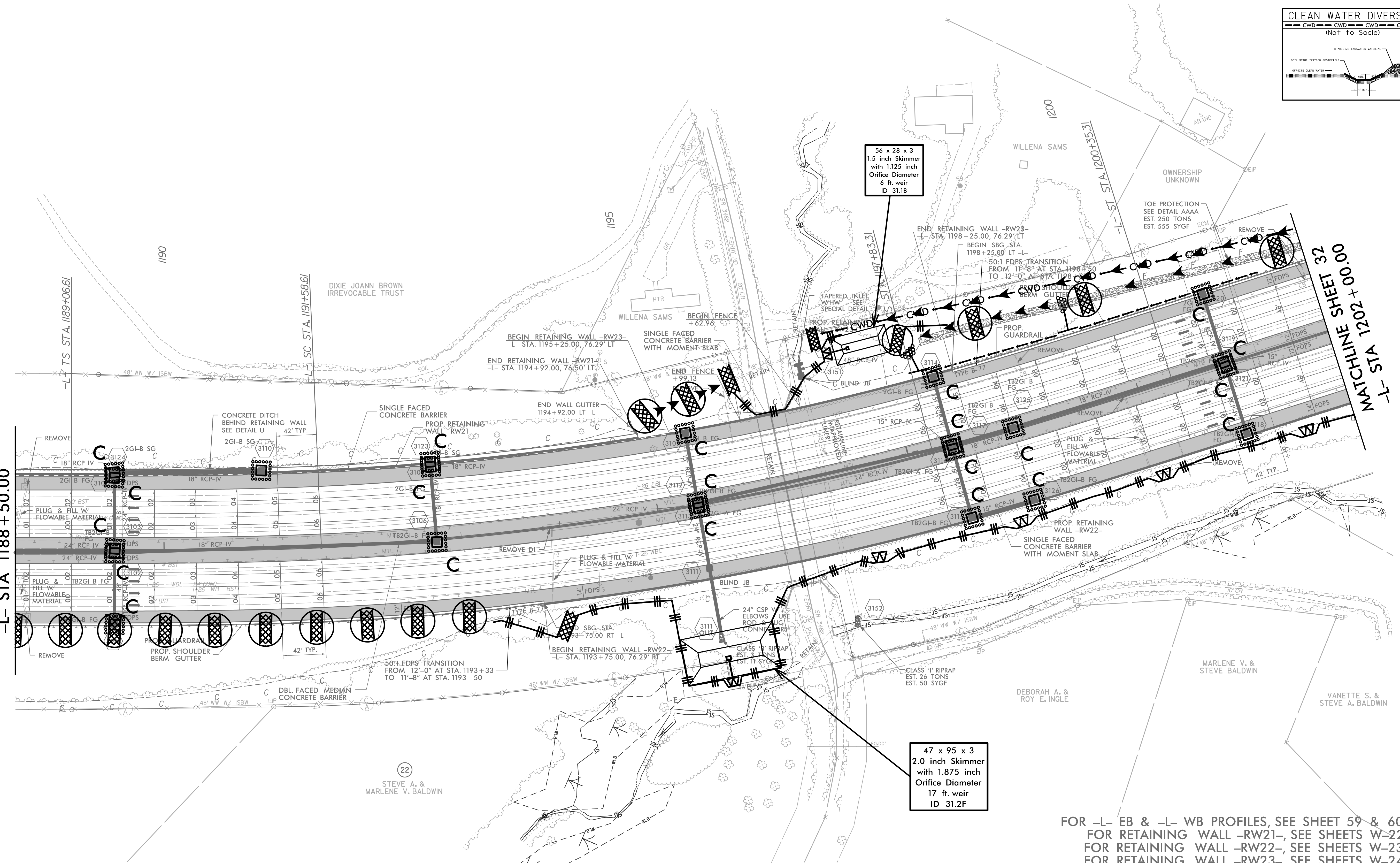
ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER



**MATCHLINE SHEET 30**  
-L- STA 1188 + 50.00

**MATCHLINE SHEET 32**  
-L- STA 1202 + 00.00



56 x 28 x 3  
1.5 inch Skimmer  
with 1.125 inch  
Orifice Diameter  
6 ft. weir  
ID 31.1B

47 x 95 x 3  
2.0 inch Skimmer  
with 1.875 inch  
Orifice Diameter  
17 ft. weir  
ID 31.2F

FOR -L- EB & -L- WB PROFILES, SEE SHEET 59 & 60  
FOR RETAINING WALL -RW21-, SEE SHEETS W-22  
FOR RETAINING WALL -RW22-, SEE SHEETS W-23  
FOR RETAINING WALL -RW23-, SEE SHEETS W-24

5/10/2016  
5:10:20 PM  
C:\p01\1014\1-4700B\_EC\_PSH\_31.dgn  
HNTB