

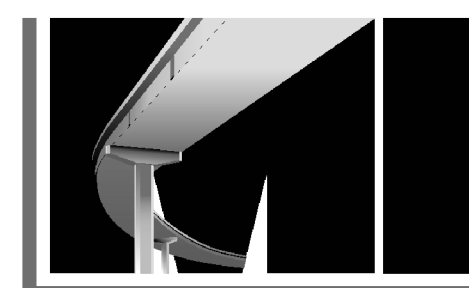
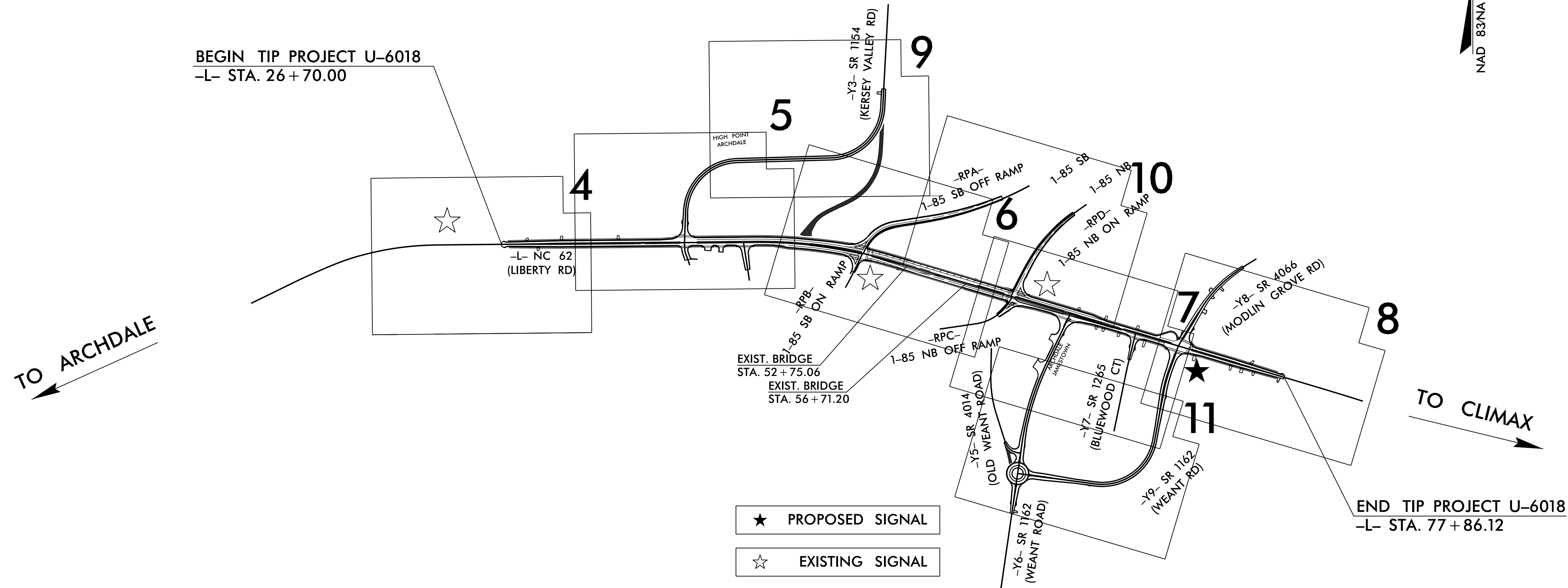
2/28/2025
N:\NC Hydro\M7035.U-6018\Erosion Control\CADD\U-6018-EC-I.TSH.LGD.dgn
MI ENGINEERING, RALEIGH NC

**ENVIRONMENTALLY
SENSITIVE AREA(S) EXIST
ON THIS PROJECT**

*Refer To E. C. Special Provisions
for Special Considerations.*

GUILFORD COUNTY

TYPE OF WORK: DRAINAGE, PAVING, AND GRADING



Designed by:

KAREN HEFNER, PE ***3824***

NAME LEVEL III CERTIFICATION NO.

The "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 2024 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

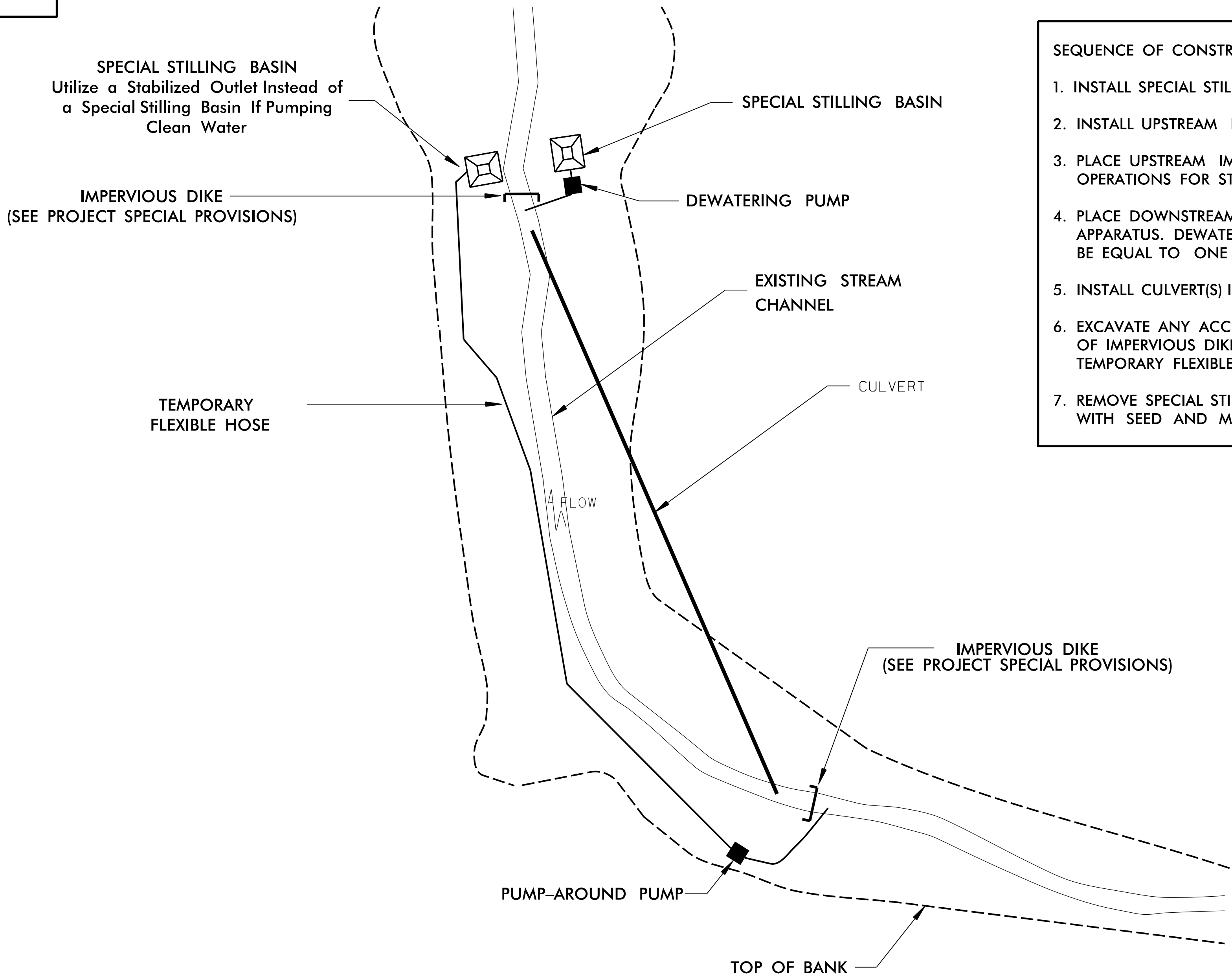
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

EROSION & SEDIMENT CONTROL LEGEND

Std. #	Description	Symbol	Std. #	Description	Symbol
1605.01	Temporary Silt Fence		1633.01	Temporary Rock Silt Check Type A	
1606.01	Special Sediment Control Fence		1633.02	Temporary Rock Silt Check Type B	
1622.01	Temporary Berms and Slope Drains		1633.03	Temporary Rock Silt Check Type A with Excelsior Matting and Flocculant	
1630.02	Silt Basin Type B		1634.01	Temporary Rock Sediment Dam Type A	
1630.03	Temporary Silt Ditch		1634.02	Temporary Rock Sediment Dam Type B	
1630.04	Stilling Basin		1635.01	Rock Pipe Inlet Sediment Trap Type A	
1630.05	Temporary Diversion		1635.02	Rock Pipe Inlet Sediment Trap Type B	
1630.06	Special Stilling Basin		1636.01	Excelsior Wattle Check	
1630.07	Skimmer Basin		1636.01	Excelsior Wattle Check with Flocculant	
1630.08	Tiered Skimmer Basin		1636.01	Coir Fiber Wattle Check	
1630.09	Earthen Dam with Skimmer		1636.01	Coir Fiber Wattle Check with Flocculant	
	Infiltration Basin		1636.02	Silt Fence Excelsior Wattle Break	
	Rock Inlet Sediment Trap:			Silt Fence Coir Fiber Wattle Break	
1632.01	Type A		1636.03	Excelsior Wattle Barrier	
1632.02	Type B		1636.03	Coir Fiber Wattle Barrier	
1632.03	Type C				

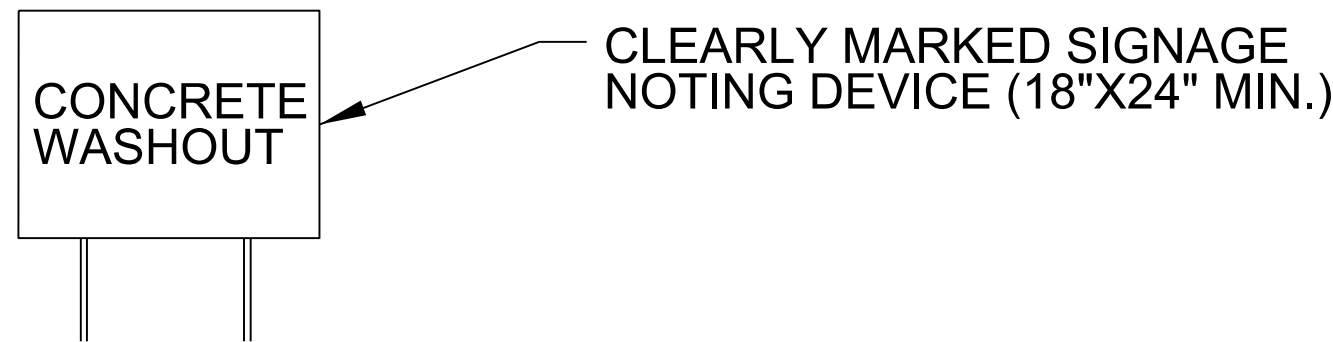
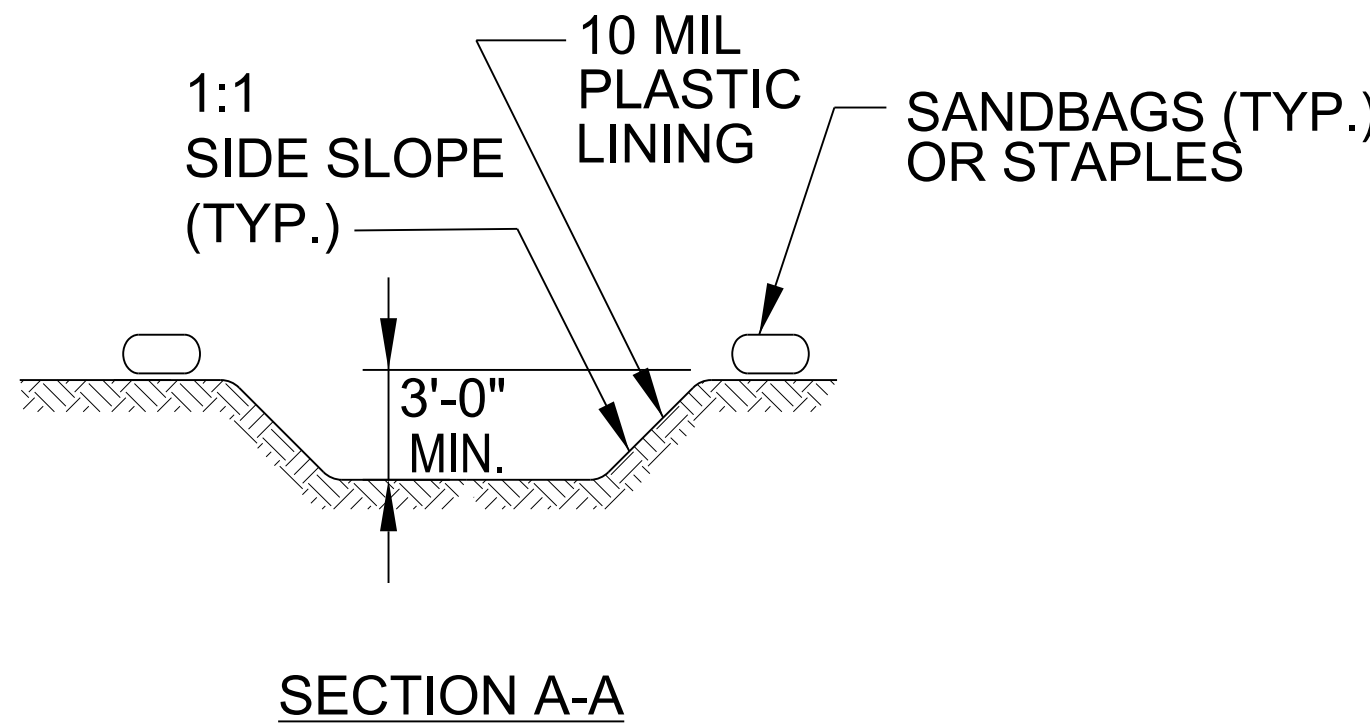
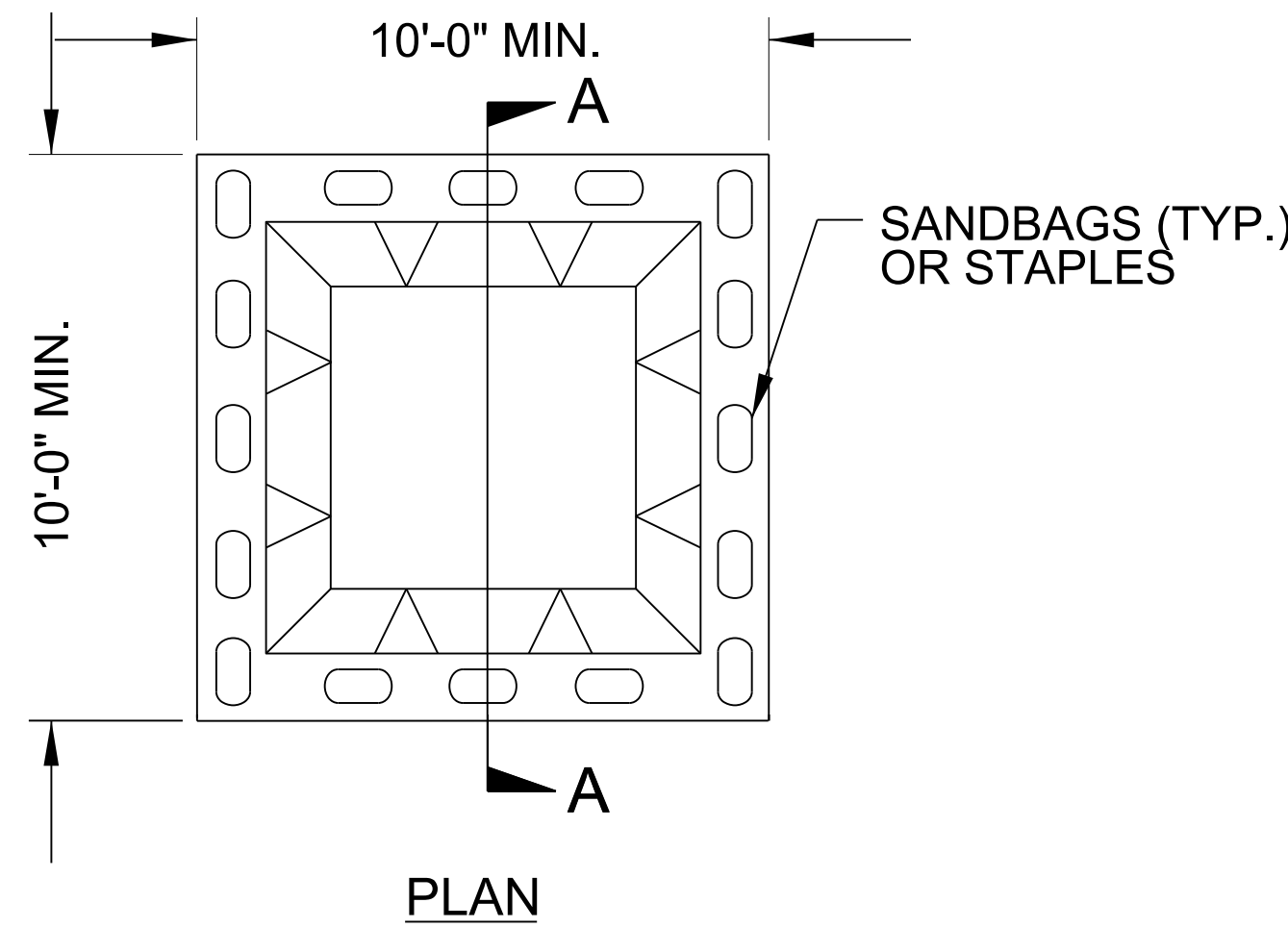
EXAMPLE OF PUMP-AROUND OPERATION

- NOTES:
- 1) All excavation shall be performed in only dry or isolated areas of the work zone.
 - 2) Impervious dikes are to be used to isolate work from stream flow when necessary.
 - 3) Maintenance of stream flow operations shall be incidental to the work. This includes polyethylene sheeting, diversion pipes, pumps and hoses.
 - 4) Pumps and hoses shall be of sufficient size to dewater the work area.



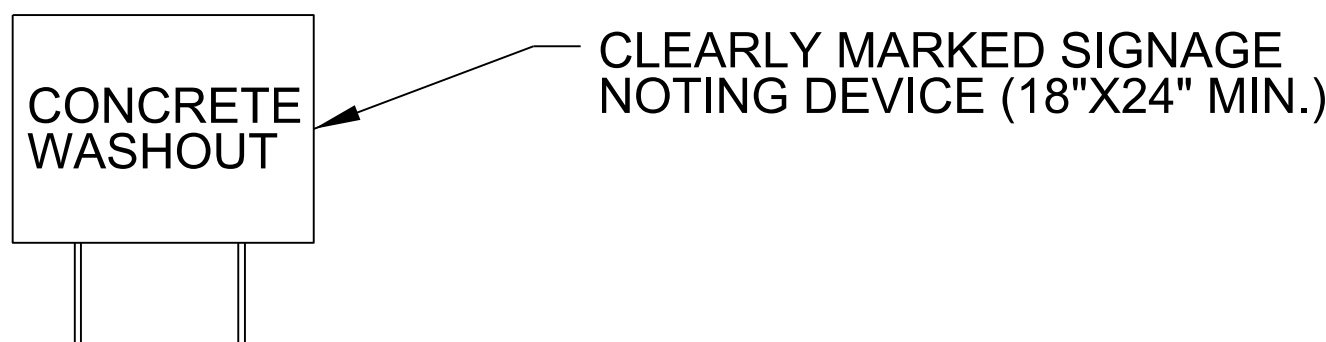
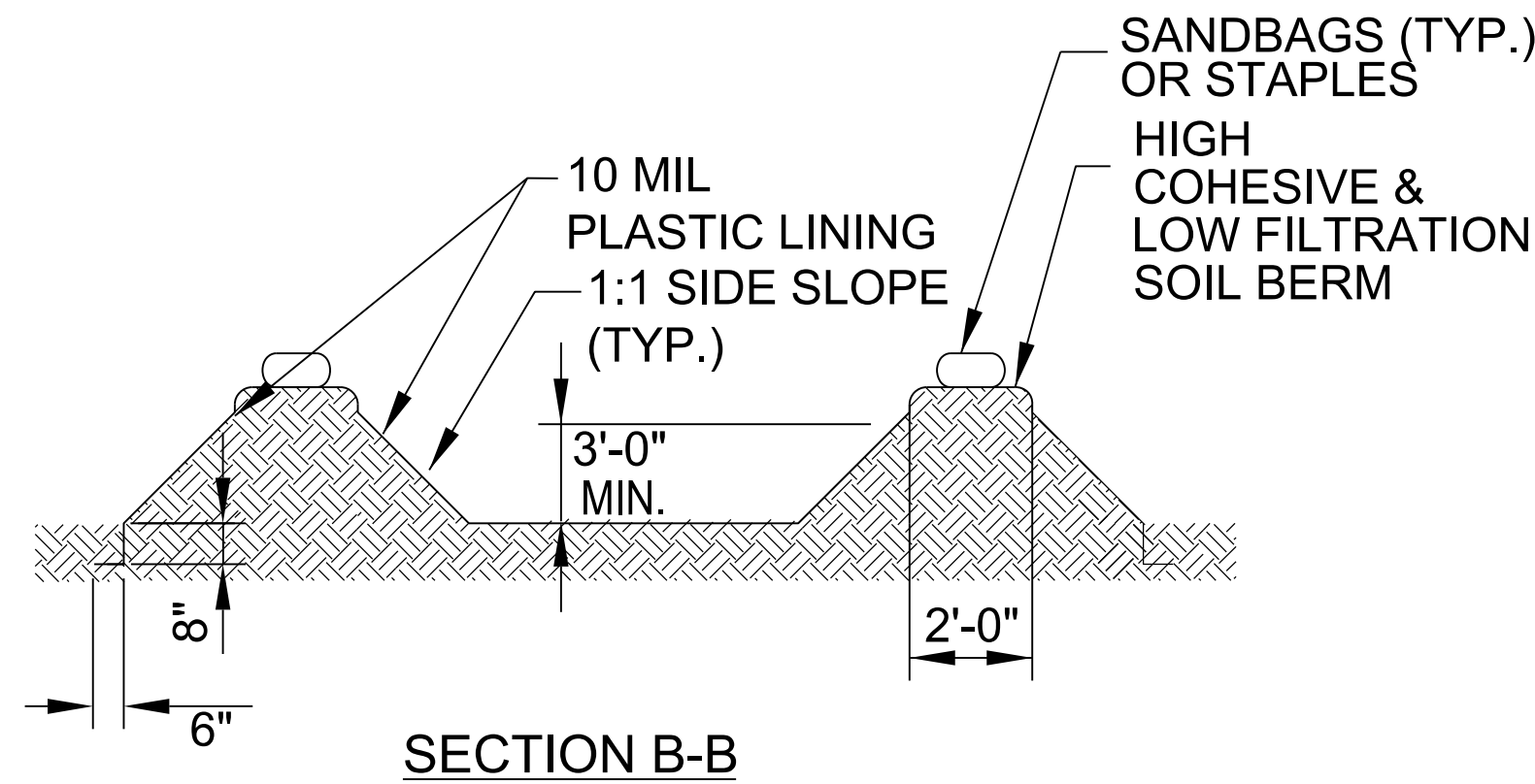
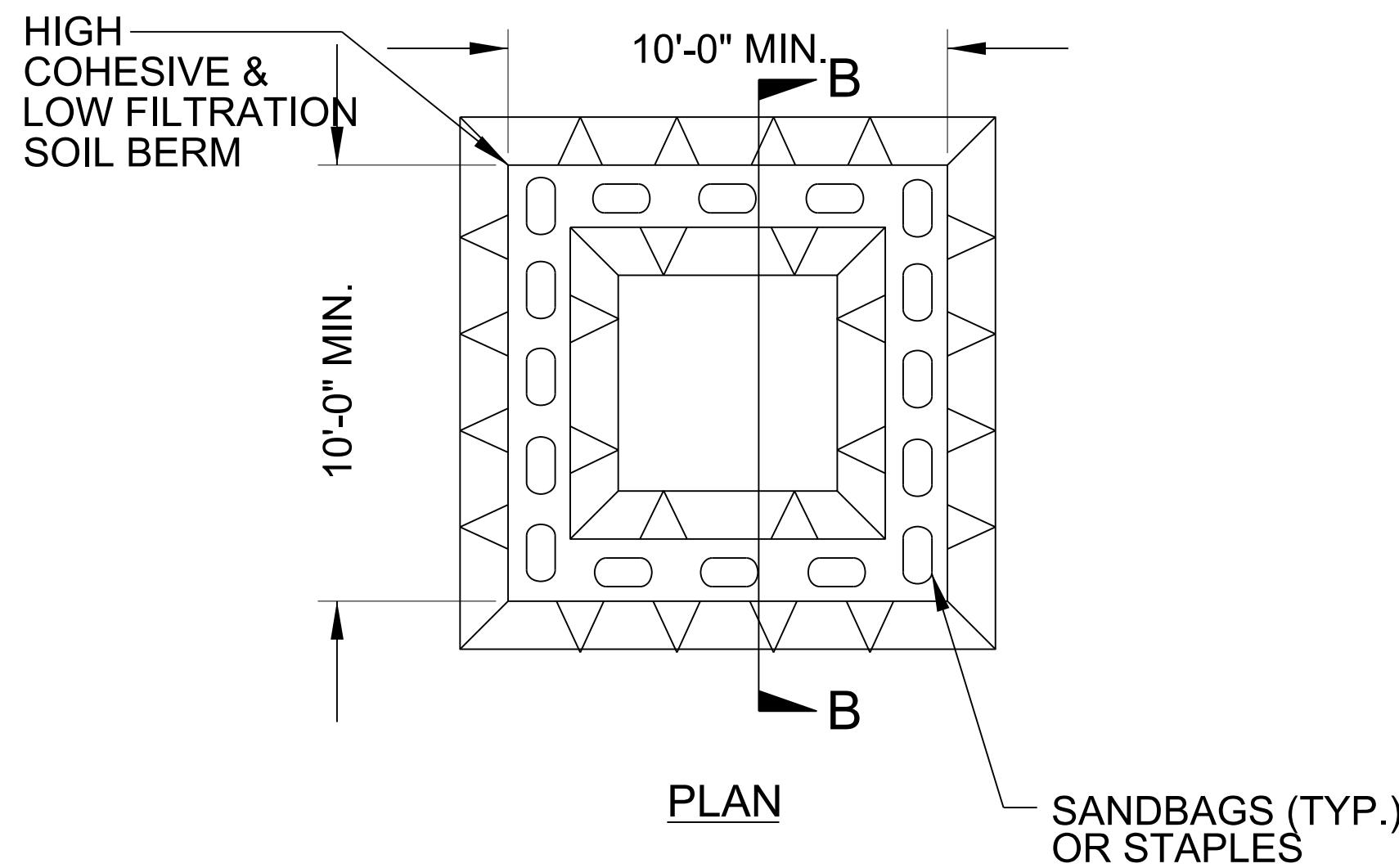
- SEQUENCE OF CONSTRUCTION FOR TYPICAL WORK AREA
1. INSTALL SPECIAL STILLING BASIN(S).
 2. INSTALL UPSTREAM PUMP AND TEMPORARY FLEXIBLE HOSE.
 3. PLACE UPSTREAM IMPERVIOUS DIKE AND BEGIN PUMPING OPERATIONS FOR STREAM DIVERSION.
 4. PLACE DOWNSTREAM IMPERVIOUS DIKE AND PUMPING APPARATUS. DEWATER ENTRAPPED AREA. AREA TO BE DEWATERED SHALL BE EQUAL TO ONE DAY'S WORK.
 5. INSTALL CULVERT(S) IN ACCORDANCE WITH THE PLANS.
 6. EXCAVATE ANY ACCUMULATED SILT AND DEWATER BEFORE REMOVAL OF IMPERVIOUS DIKES. REMOVE IMPERVIOUS DIKES, PUMPS, AND TEMPORARY FLEXIBLE HOSE. (DOWNSTREAM IMPERVIOUS DIKES FIRST).
 7. REMOVE SPECIAL STILLING BASIN(S) AND BACKFILL. STABILIZE DISTURBED AREA WITH SEED AND MULCH.

ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER



BELOW GRADE WASHOUT STRUCTURE
NOT TO SCALE

- NOTES:
1. ACTUAL LOCATION DETERMINED IN FIELD
 2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.
 3. CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.



ABOVE GRADE WASHOUT STRUCTURE
NOT TO SCALE

- NOTES:
1. ACTUAL LOCATION DETERMINED IN FIELD
 2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.
 3. CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.

DIVISION OF HIGHWAYS

STATE OF NORTH CAROLINA

SOIL STABILIZATION SUMMARY SHEET

DITCH MATTING (STRAW) FOR EROSION CONTROL

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
4	-L-	27+00	31+00	RT	800
4	-L-	29+00	31+20	LT	220
5	-L-	32+00	36+50	LT	900
5	-Y3REV-	28+50	31+00	LT	385
6	-RPA-	14+00	21+00	LT	1,810
6	-RPA-	14+00	18+00	RT	1,435
7	-L-	60+60	70+00	LT	2,380
7	-L-	61+00	62+65	RT	290
7	-L-	64+50	67+33	RT	735
7	-RPC-	11+00	11+50	RT	95
7	-RPD-	15+50	17+00	RT	335
7	-Y6-	13+00	15+00	LT	155
7	-Y6-	14+50	15+00	RT	40
8	-Y8-	11+50	13+50	RT	275
8	-Y8-	14+00	14+75	RT	60
8	-Y8-	16+00	16+50	RT	100
8	-Y8-	13+50	15+90	LT	190
8	-Y8-	16+50	16+74	LT	20
8	-Y9-	12+50	13+75	RT	375
8	-L-	72+21	72+65	RT	90
8	-L-	73+50	77+36	RT	775
8	-L-	72+10	73+00	LT	140
8	-L-	76+50	77+70	LT	185
9	-Y3REV-	15+88	17+50	RT	225
9	-Y3REV-	17+50	21+00	LT	460
9	-Y3REV-	24+50	28+50	LT	635
10	-RPA-	13+00	14+00	RT	295
10	-RPA-	13+00	14+00	LT	225
10	-RPD-	11+00	15+50	LT	845
10	-RPD-	13+50	15+50	RT	410

DITCH MATTING (STRAW) FOR EROSION CONTROL

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
11	-Y9-	13+75	19+00	RT	1,050
11	-Y9-	21+50	23+00	RT	235
11	-Y9-	15+00	18+00	LT	540
11	-Y9-	25+50	25+97	LT	80
11	-Y6-	15+00	17+00	RT	155
11	-Y6-	15+00	15+50	LT	40
11	-Y6-	22+00	23+00	RT	120
11	-Y6-	23+00	23+16	LT	40
	DITCH MATTING *STRAW* - SUBTOTAL				17,145

DITCH MATTING (EXCELSIOR) FOR EROSION CONTROL

7	-RPD-	15+50	16+86	LT	945
8	-Y8-	13+50	14+00	RT	60
8	-L-	73+00	76+50	LT	540
	DITCH MATTING *EXCELSIOR* - SUBTOTAL				1,545
	DITCH MATTING *STRAW* - SUBTOTAL				17,145
	DITCH MATTING *EXCELSIOR* - SUBTOTAL				1,545
	MATTING FOR DITCHES - TOTAL				18,690

DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA

SOIL STABILIZATION SUMMARY SHEET

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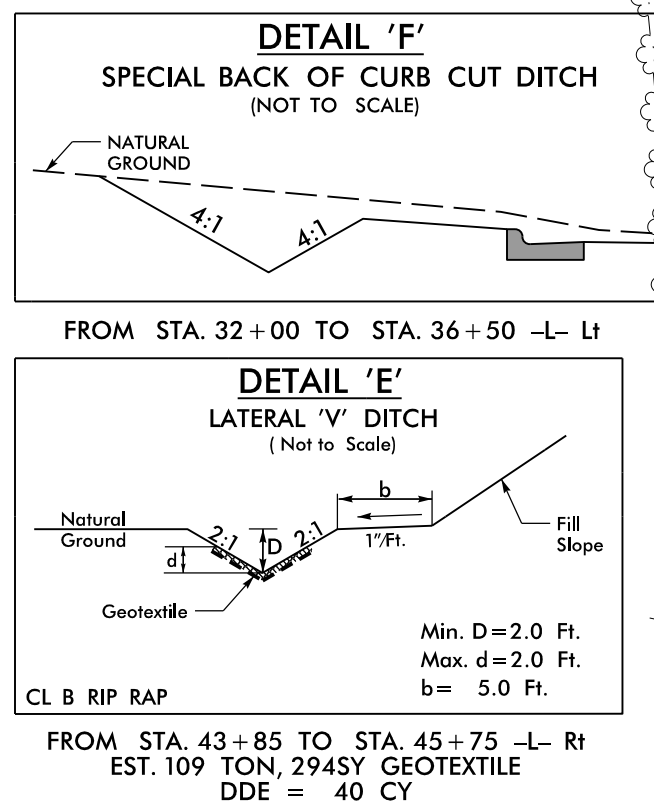
3/8/2025
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MIENGINEERING, RALEIGH NC

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

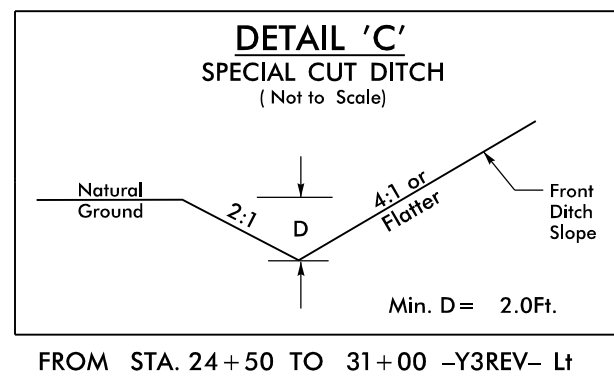
SOIL STABILIZATION TIMEFRAMES

SITE DESCRIPTION	STABILIZATION TIME	TIMEFRAME EXCEPTIONS
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 TO 4:1	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH WITH SLOPES STEEPER THAN 4:1. 7 DAYS FOR PERIMETER DIKES, SWALES, DITCHES PERIMETER SLOPES, AND HQW ZONES
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	7 DAYS FOR PERIMETER DIKES, SWALES, DITCHES PERIMETER SLOPES, AND HQW ZONES

NOTES:
1. DRIVEWAYS FOR SHOULDER SECTIONS: USE 16' MIN. WIDTH FOR RESIDENTIAL AND 24' MIN. WIDTH FOR COMMERCIAL WITH 5' MIN. RADII; OTHERWISE MATCH EXISTING.
2. DRIVEWAYS FOR C&G SECTIONS: USE 16' MIN. WIDTH FOR RESIDENTIAL AND 24' MIN. WIDTH FOR COMMERCIAL; OTHERWISE MATCH EXISTING.

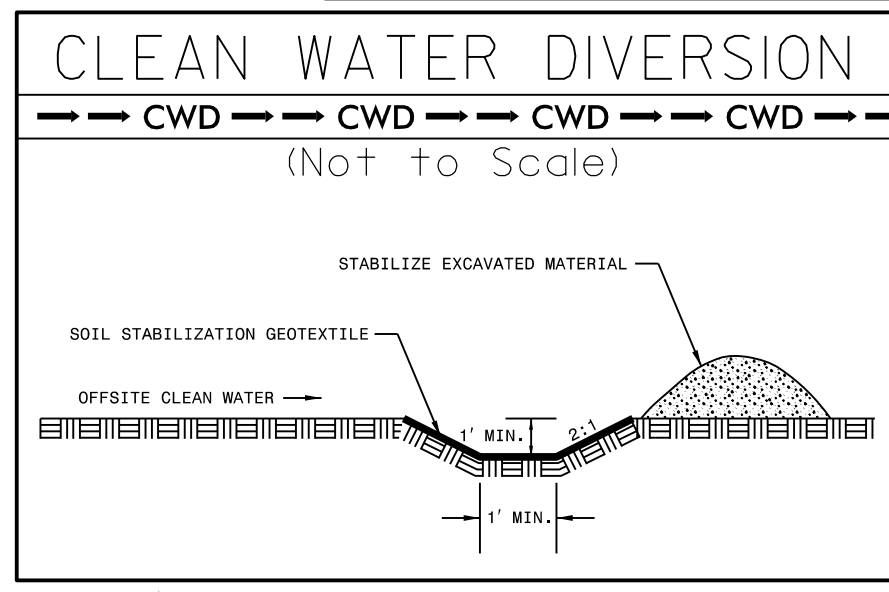


NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.



52 x 25 x 3
1.5 inch Skimmer
with 1.000 inch
Orifice Diameter
5 ft. weir
ID 4.1

49 x 24 x 3
1.5 inch Skimmer
with 1.000 inch
Orifice Diameter
4 ft. weir
ID 5.1



CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 5



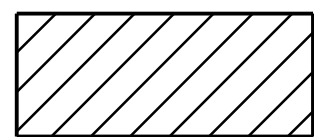
MATCHLINE -Y3REV- STA. 28 + 50.00
SEE SHEET 9

MATCHLINE -L- STA. 32 + 00.00
SEE SHEET 4

MATCHLINE -L- STA. 45 + 00.00
SEE SHEET 6

FOR RW PLAN, SEE SHEET NO. 2B-2
FOR -L- PROFILE, SEE SHEET NO. 13
FOR -DRI- PROFILE, SEE SHEET NO. 15
FOR -SRI- PROFILE, SEE SHEET NO. 15
FOR -Y3- PROFILE, SEE SHEET NO. 16

NOTES:
1. DRIVEWAYS FOR SHOULDER SECTIONS: USE 16' MIN. WIDTH FOR RESIDENTIAL AND 24' MIN. WIDTH FOR COMMERCIAL WITH 5' MIN. RADII; OTHERWISE MATCH EXISTING.
2. DRIVEWAYS FOR C&G SECTIONS: USE 16' MIN. WIDTH FOR RESIDENTIAL AND 24' MIN. WIDTH FOR COMMERCIAL; OTHERWISE MATCH EXISTING.



ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 6

NOTE:

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

UTILIZE FABRIC INSERT INLET PROTECTIONS IN LIEU OF
ROCK SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID
IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC

CLIFTON H. LAMD
FRED E. MEREDITH REVOCABLE TRUST
DIANE A. MEREDITH REVOCABLE TRUST

PROJECT REFERENCE NO. SHEET NO.
U-6018 EC-6/CONST.06

RW SHEET NO.
ROADSIDE ENVIRONMENTAL PROJECT ENGINEER

LEVEL III CERTIFIED BY:
KAREN HEFNER, PE
CERTIFICATION NUMBER: 3824
ISSUED: FEBRUARY 28, 2025

DRMP

DRMP, INC.
5808 PARKWOOD PLACE
RALEIGH, NC 27609
(919) 872-5115

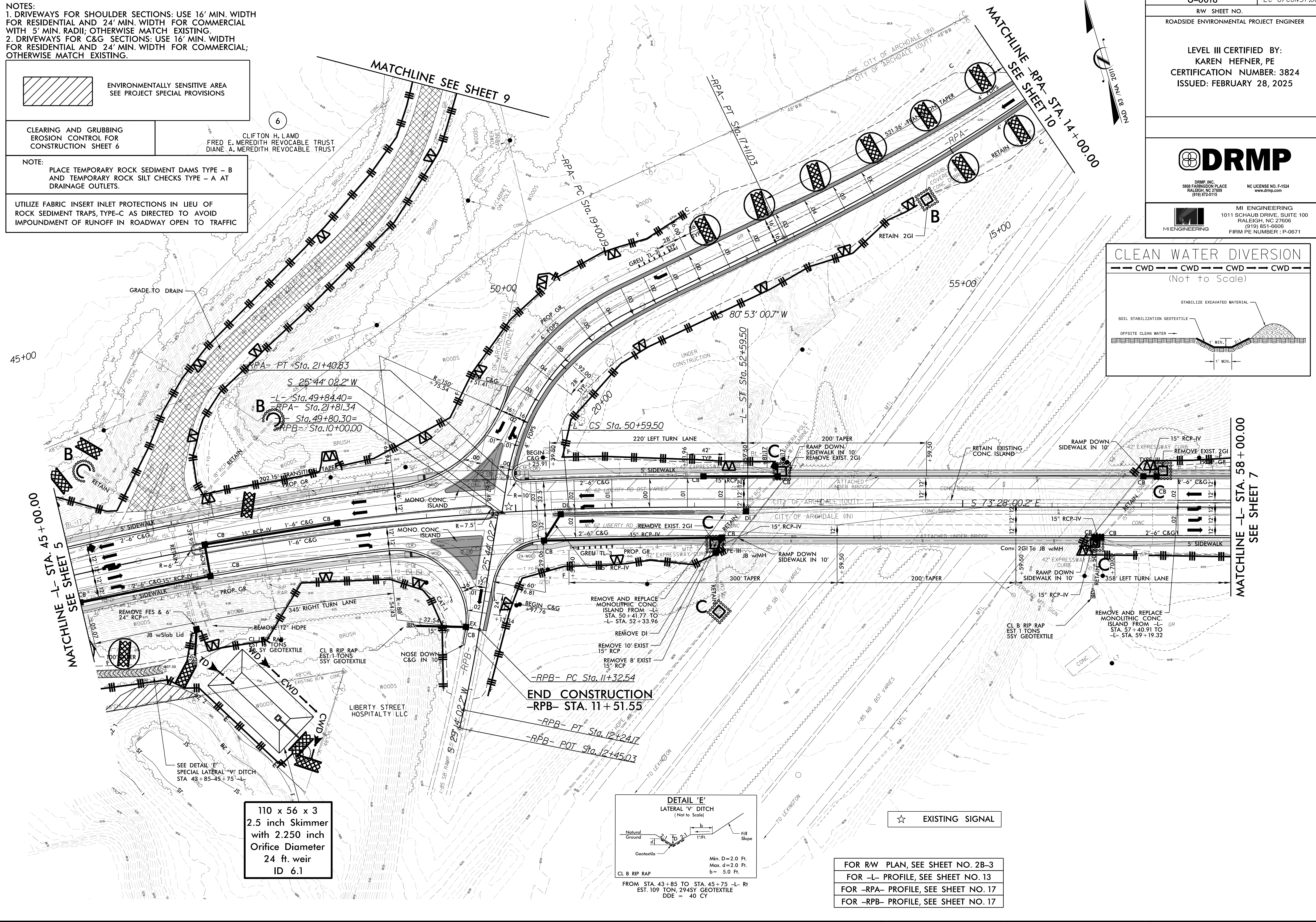
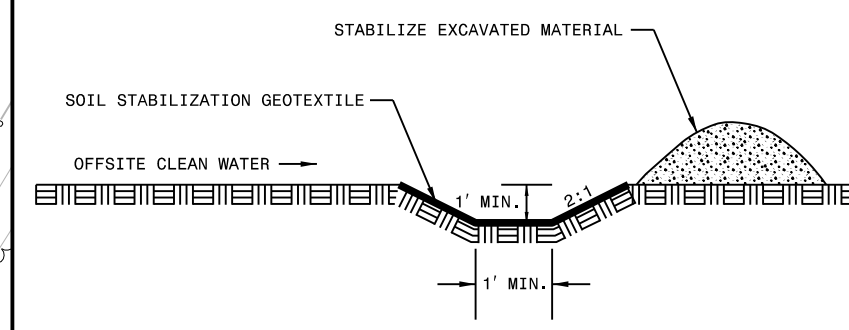
NC LICENSE NO. F-1524
www.drmp.com



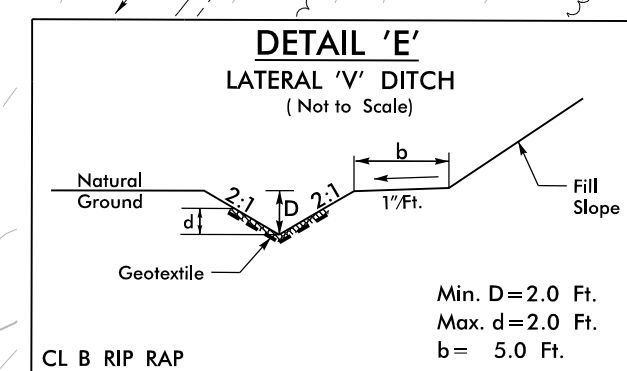
MI ENGINEERING
1011 SCHAUB DRIVE, SUITE 100
RALEIGH, NC 27606
(919) 851-6606
FIRM PE NUMBER: P-0671

CLEAN WATER DIVERSION

--- CWD --- CWD --- CWD --- CWD ---
(Not to Scale)



110 x 56 x 3
2.5 inch Skimmer
with 2.250 inch
Orifice Diameter
24 ft. weir
ID 6.1



☆ EXISTING SIGNAL

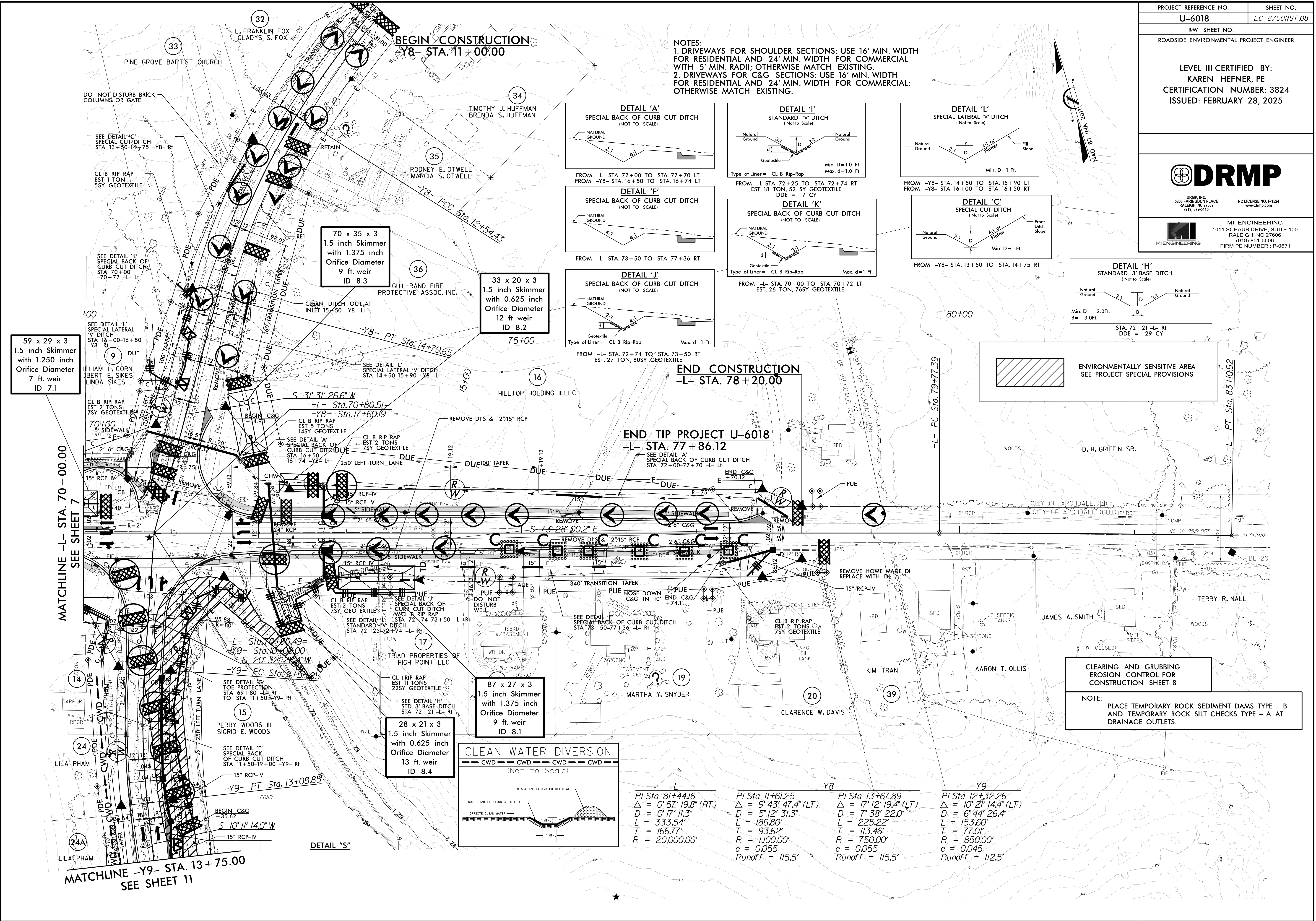
FOR RW PLAN, SEE SHEET NO. 2B-3
FOR -L- PROFILE, SEE SHEET NO. 13
FOR -RPA- PROFILE, SEE SHEET NO. 17
FOR -RPB- PROFILE, SEE SHEET NO. 17

1. DRIVEWAYS FOR SHOULDER SECTIONS: USE 16' MIN. WIDTH FOR RESIDENTIAL AND 24' MIN. WIDTH FOR COMMERCIAL WITH 5' MIN. RADI; OTHERWISE MATCH EXISTING.
2. DRIVEWAYS FOR C&G SECTIONS: USE 16' MIN. WIDTH FOR RESIDENTIAL AND 24' MIN. WIDTH FOR COMMERCIAL; OTHERWISE MATCH EXISTING.

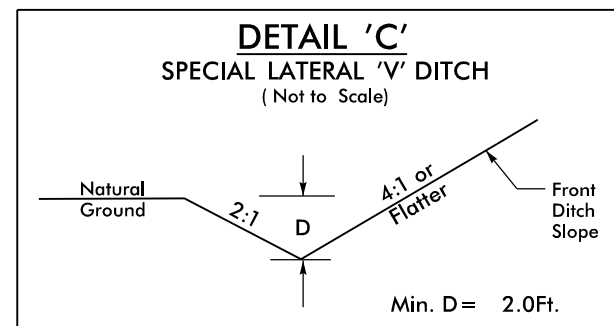
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.

59 x 29 x 3
1.5 inch Skimmer
with 1.250 inch
Orifice Diameter
7 ft. weir
ID 7.1

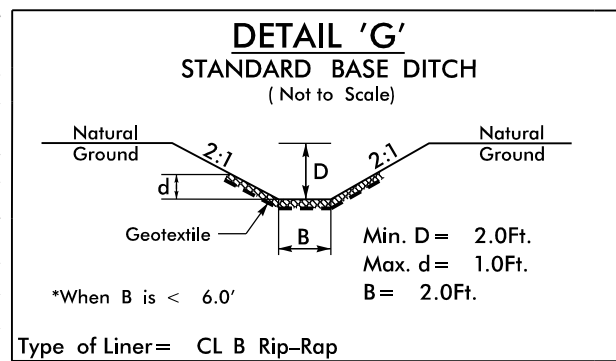




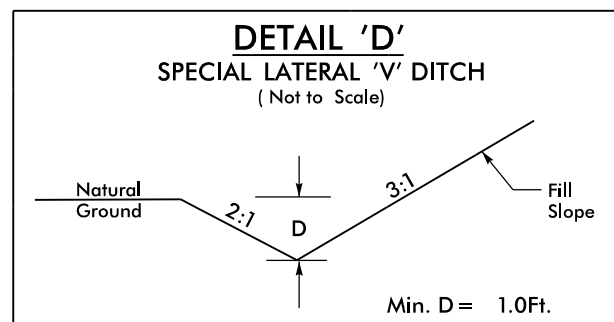
NOTES:
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2. DRIVEWAYS FOR C&G SECTIONS: USE 16' MIN. WIDTH FOR RESIDENTIAL AND 24' MIN. WIDTH FOR COMMERCIAL; OTHERWISE MATCH EXISTING.



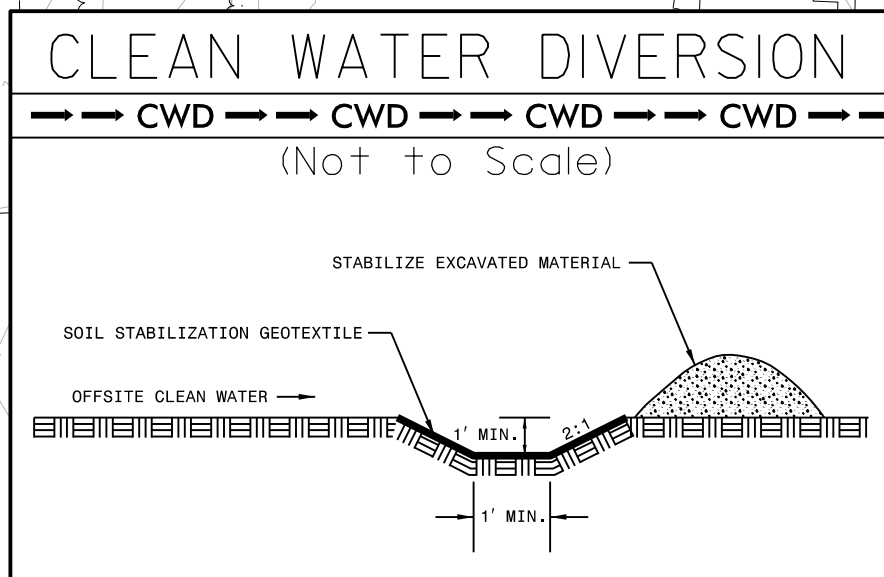
FROM STA. 24+50 TO STA. 31+00 -Y3REV- LI



STA. 28+00 -Y3REV- RI
EST 6 TONS 10SY GEOTEXTILE
DDE=20CY
STA. 26+24 -Y3REV- RI
EST 4 TONS 8SY GEOTEXTILE
DDE=10CY



FROM STA. 15+88 TO STA. 17+50 -Y3REV- RI
FROM STA. 17+50 TO STA. 21+00 -Y3REV- LI



MATCHLINE -Y3REV- STA. 28+50.00
SEE SHEET 5

BUILD THE CROSS PIPE AND UTILIZE IT FOR CWD PRIOR TO C&G PHASE

PI Sta 20+35.70
Δ = 85° 16' 14.6" (RT)
D = 16° 51' 06.1"
L = 506.01'
T = 313.03'

PI Sta 31+47.65
Δ = 86° 32' 10.8"
D = 16° 51' 06.1"
L = 513.52'
T = 320.04'

34 x 17 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
4 ft. weir
ID 9.2

41 x 20 x 3
1.5 inch Skimmer
with 0.750 inch
Orifice Diameter
4 ft. weir
ID 9.1

NOTES:
1. DRIVEWAYS FOR SHOULDER SECTIONS: USE 16' MIN. WIDTH FOR RESIDENTIAL AND 24' MIN. WIDTH FOR COMMERCIAL WITH 5' MIN. RADII; OTHERWISE MATCH EXISTING.
2. DRIVEWAYS FOR C&G SECTIONS: USE 16' MIN. WIDTH FOR RESIDENTIAL AND 24' MIN. WIDTH FOR COMMERCIAL; OTHERWISE MATCH EXISTING.

PROJECT REFERENCE NO.
U-6018

SHEET NO.
EC-10/CONST.10

RW SHEET NO.

ROADSIDE ENVIRONMENTAL PROJECT ENGINEER

LEVEL III CERTIFIED BY:
KAREN HEFNER, PE
CERTIFICATION NUMBER: 3824
ISSUED: FEBRUARY 28, 2025



DRMP, INC.
5808 FARMINGTON PLACE
RALEIGH, NC 27609
(919) 872-5115

NC LICENSE NO. F-1524
www.drmp.com



MI ENGINEERING
1011 SCHAUB DRIVE, SUITE 100
RALEIGH, NC 27606
(919) 851-6606
FIRM PE NUMBER: P-0671

-RPA-
PI Sta 10+94.91
Δ = 15° 19' 38.0" (RT)
D = 2° 48' 31.0"
L = 189.67'
T = 94.91'
R = 2,040.00'

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 10

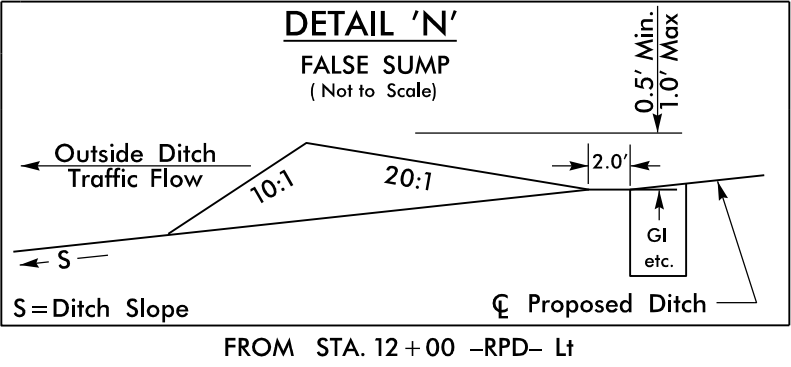
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.

BEGIN CONSTRUCTION
-RPD- STA. 11+00.00

26 x 13 x 3
1.5 inch Skimmer
with 0.375 inch
Orifice Diameter
4 ft. weir
ID 10.1

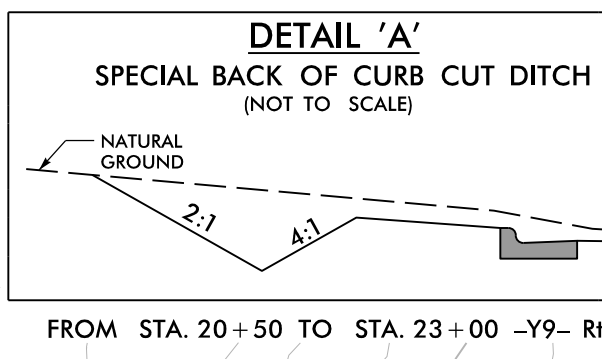
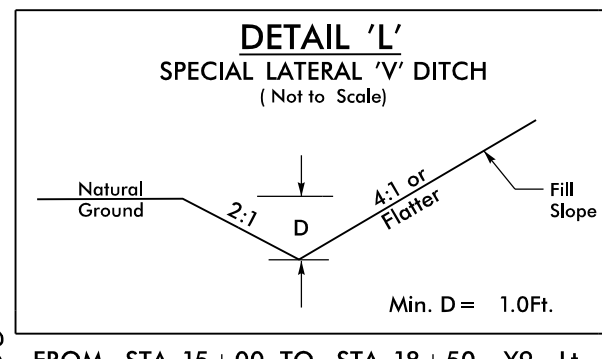
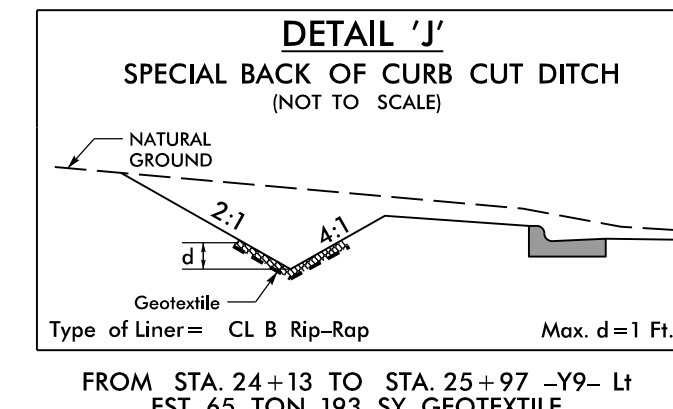
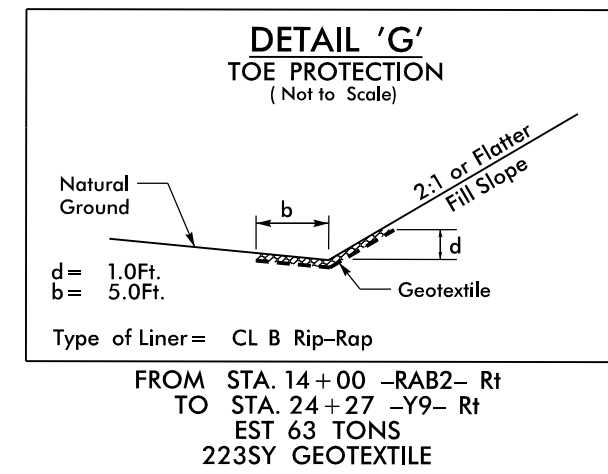
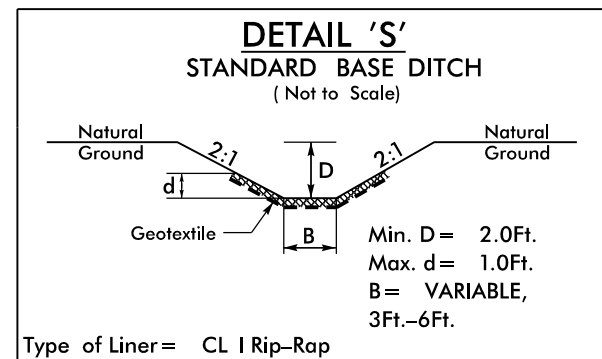
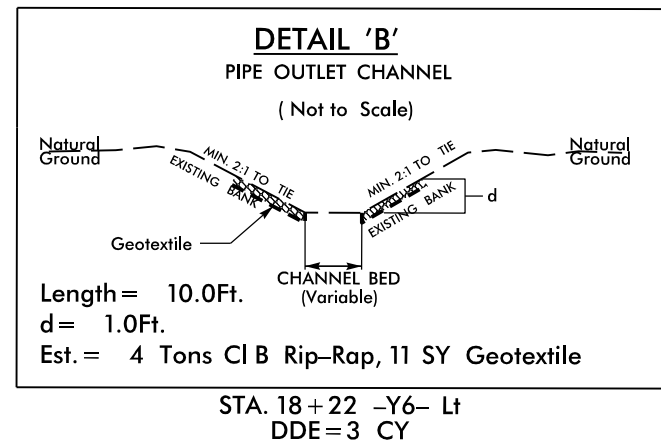
BEGIN CONSTRUCTION
-RPA- STA. 11+89.67

49 x 24 x 3
1.5 inch Skimmer
with 1.000 inch
Orifice Diameter
5 ft. weir
ID 10.2



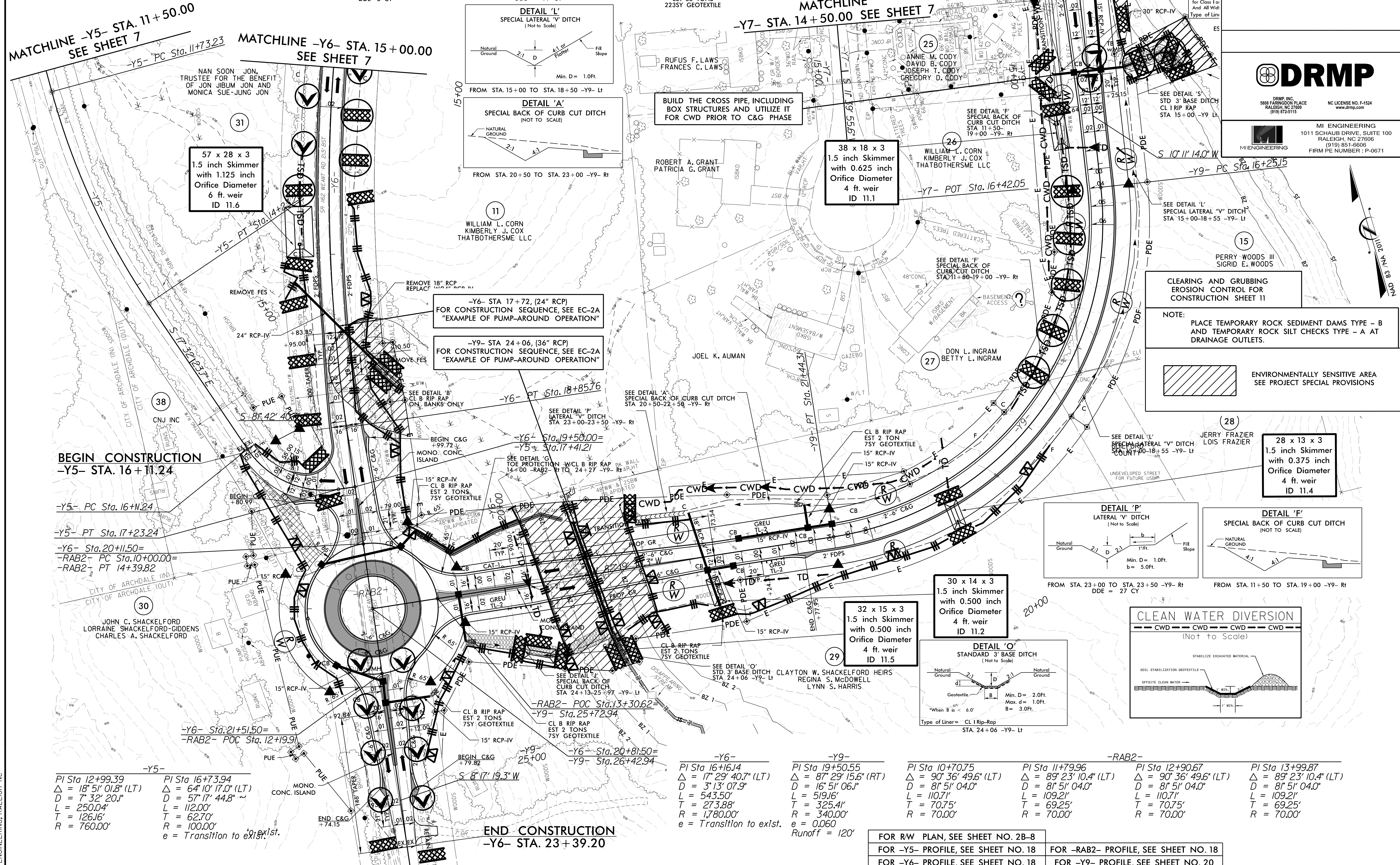
FOR RW PLAN, SEE SHEET NO. 2B-7
FOR -RPA- PROFILE, SEE SHEET NO. 17
FOR -RPD- PROFILE, SEE SHEET NO. 17

NOTES:
1. DRIVEWAYS FOR SHOULDER SECTIONS: USE 16' MIN. WIDTH FOR RESIDENTIAL AND 24' MIN. WIDTH FOR COMMERCIAL WITH 5' MIN. RADI; OTHERWISE MATCH EXISTING.
2. DRIVEWAYS FOR C&G SECTIONS: USE 16' MIN. WIDTH FOR RESIDENTIAL AND 24' MIN. WIDTH FOR COMMERCIAL; OTHERWISE MATCH EXISTING.



MATCHLINE
-Y7- STA. 14+50.00 SEE SHEET 7

MATCHLINE
-Y9- STA. 13+75.00 SEE SHEET 8



PROJECT REFERENCE NO. **U-6018** SHEET NO. **EC-II/CONST.II**

R/W SHEET NO. **EC-II/CONST.II**

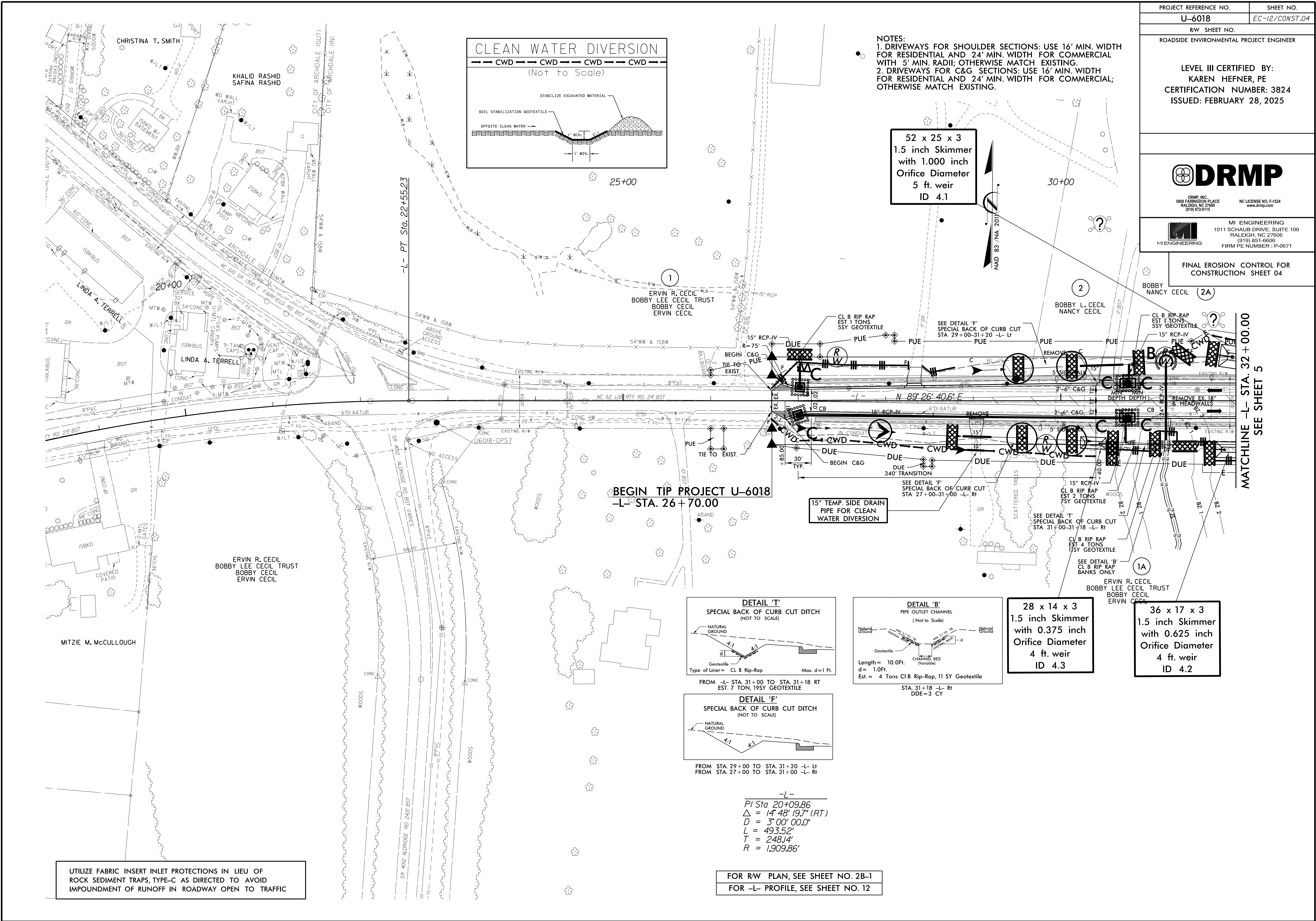
ROADSIDE ENVIRONMENTAL PROJECT ENGINEER

LEVEL III CERTIFIED BY:
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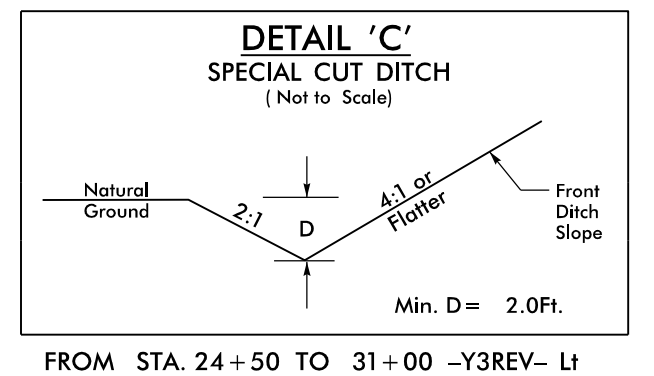
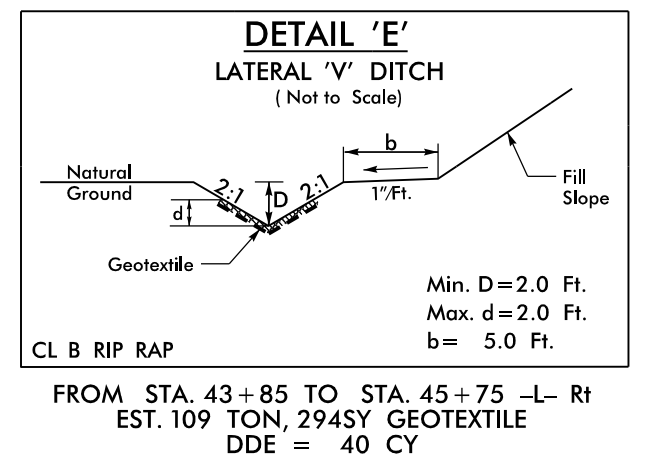
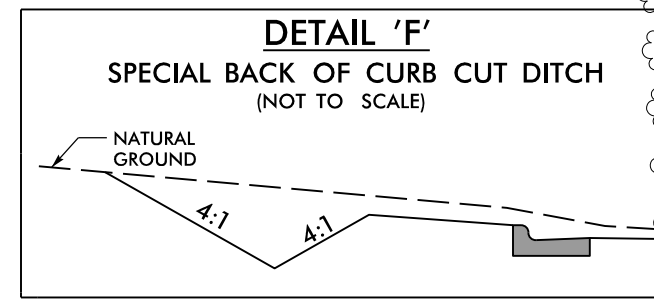
MI ENGINEERING
1011 SCHAUB DRIVE, SUITE 100
RALEIGH, NC 27606
(919) 851-6606
FIRM PE NUMBER: P-0671

2/28/2025
N:\NC Hydr\o\m7035_U-608\Erosion Control\CADD\U-608_EC_final_4.eci2.dgn
MI ENGINEERING, RALEIGH NC



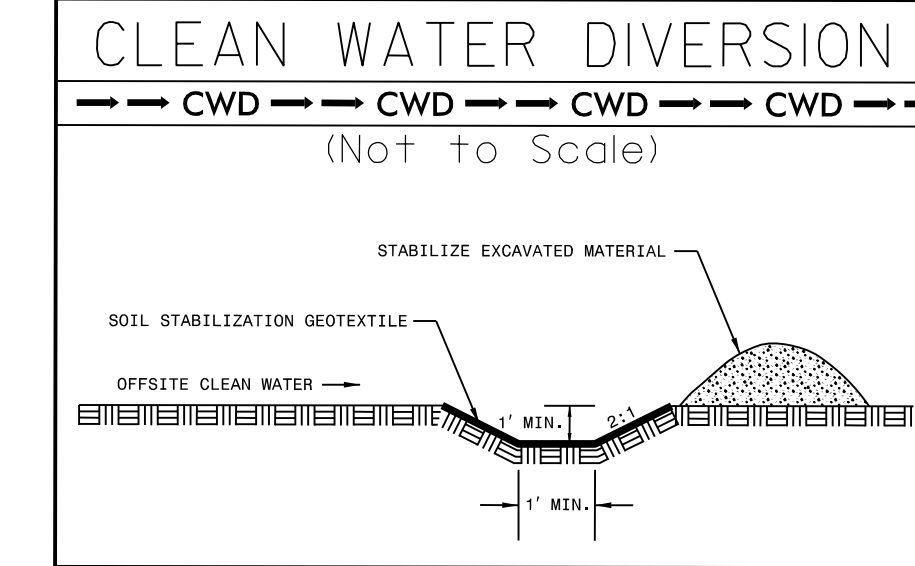
NOTES:
1. DRIVEWAYS FOR SHOULDER SECTIONS: USE 16' MIN. WIDTH FOR RESIDENTIAL AND 24' MIN. WIDTH FOR COMMERCIAL WITH 5' MIN. RADIUS; OTHERWISE MATCH EXISTING.
2. DRIVEWAYS FOR C&G SECTIONS: USE 16' MIN. WIDTH FOR RESIDENTIAL AND 24' MIN. WIDTH FOR COMMERCIAL; OTHERWISE MATCH EXISTING.

UTILIZE FABRIC INSERT INLET PROTECTIONS IN LIEU OF ROCK SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC



PROJECT REFERENCE NO.	SHEET NO.
U-6018	EC-13/CONST.05
RW SHEET NO.	
ROADSIDE ENVIRONMENTAL PROJECT ENGINEER	
LEVEL III CERTIFIED BY: KAREN HEFNER, PE CERTIFICATION NUMBER: 3824 ISSUED: FEBRUARY 28, 2025	
 DRMP, INC. 5808 FARMWOOD PLACE RALEIGH, NC 27609 (919) 872-5115 NC LICENSE NO. F-1524 www.drmp.com	
 MI ENGINEERING 1011 SCHAUB DRIVE, SUITE 100 RALEIGH, NC 27606 (919) 851-6606 FIRM PE NUMBER: P-0671	

FINAL EROSION CONTROL FOR
CONSTRUCTION SHEET 05



MATCHLINE -L- STA. 32 + 00.00
SEE SHEET 4

MATCHLINE -L- STA. 45 + 00.00
SEE SHEET 6

2/28/2025
N:\NC Hydr\o\W035-U-6018\ERosion Control\CADD\U-6018-EC-final_5.eci3.dgn
MI ENGINEERING, RALEIGH NC

NOTES:
1. DRIVEWAYS FOR SHOULDER SECTIONS: USE 16' MIN. WIDTH FOR RESIDENTIAL AND 24' MIN. WIDTH FOR COMMERCIAL WITH 5' MIN. RADII; OTHERWISE MATCH EXISTING.
2. DRIVEWAYS FOR C&G SECTIONS: USE 16' MIN. WIDTH FOR RESIDENTIAL AND 24' MIN. WIDTH FOR COMMERCIAL; OTHERWISE MATCH EXISTING.

UTILIZE FABRIC INSERT INLET PROTECTIONS IN LIEU OF ROCK SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC

PROJECT REFERENCE NO.
U-6018

SHEET NO.
EC-14/CONST.06

RW SHEET NO.
ROADSIDE ENVIRONMENTAL PROJECT ENGINEER

LEVEL III CERTIFIED BY:
KAREN HEFNER, PE
CERTIFICATION NUMBER: 3824
ISSUED: FEBRUARY 28, 2025

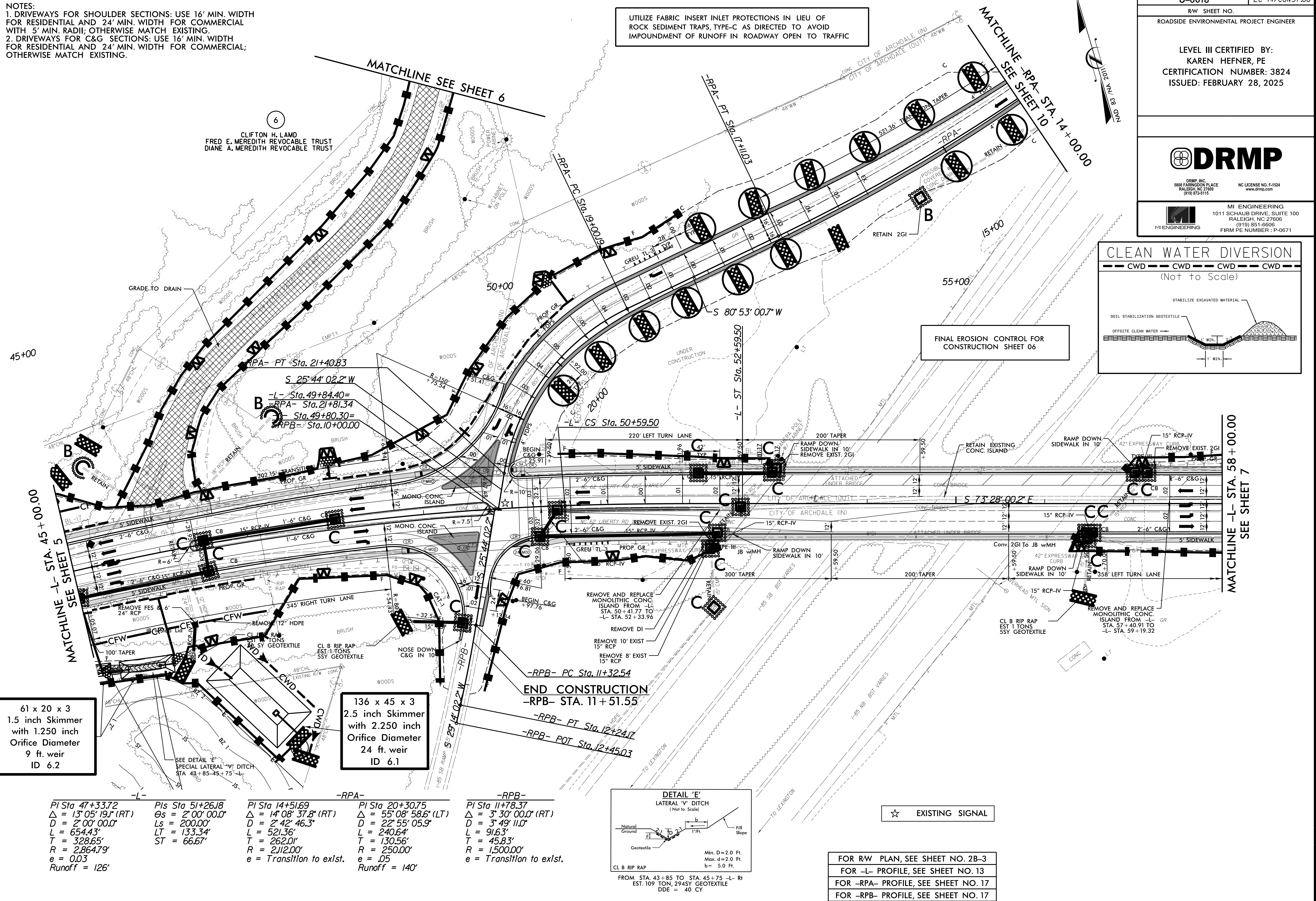
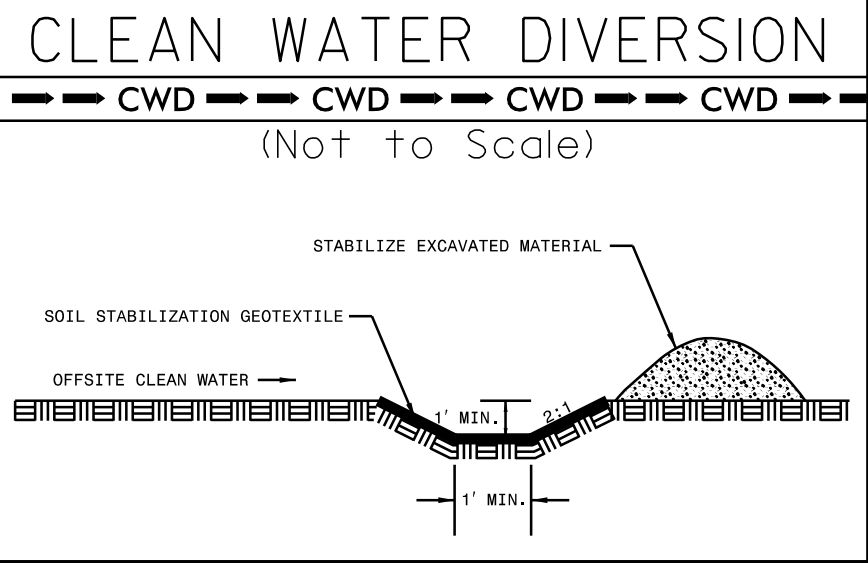
**DRMP**

DRMP, INC.
5808 PARKWOOD PLACE
RALEIGH, NC 27609
(919) 872-5115

NC LICENSE NO. F-1524
www.drmp.com

**MI ENGINEERING**

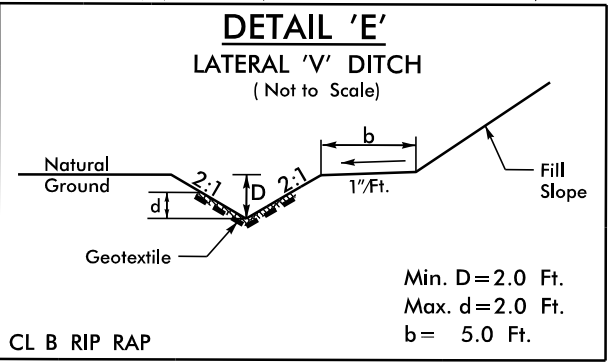
MI ENGINEERING
1011 SCHAUB DRIVE, SUITE 100
RALEIGH, NC 27606
(919) 851-6606
FIRM PE NUMBER: P-0671



61 x 20 x 3
1.5 inch Skimmer
with 1.250 inch
Orifice Diameter
9 ft. weir
ID 6.2

136 x 45 x 3
2.5 inch Skimmer
with 2.250 inch
Orifice Diameter
24 ft. weir
ID 6.1

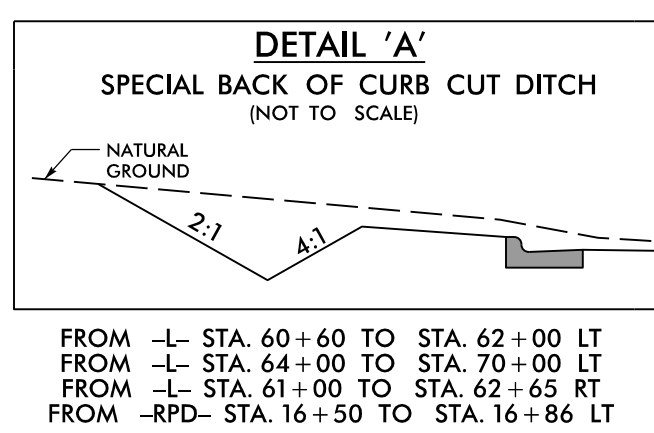
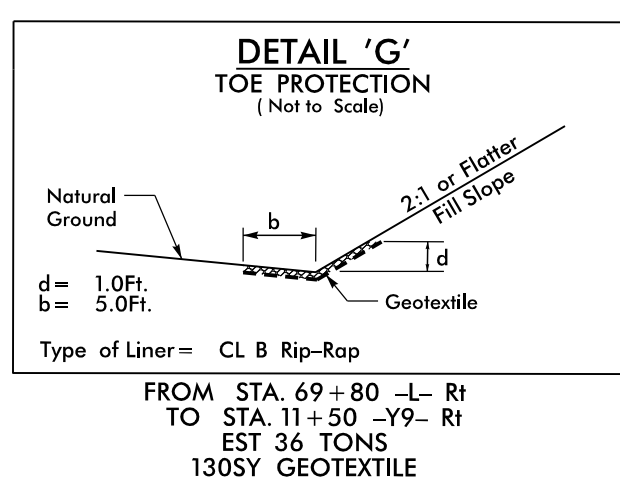
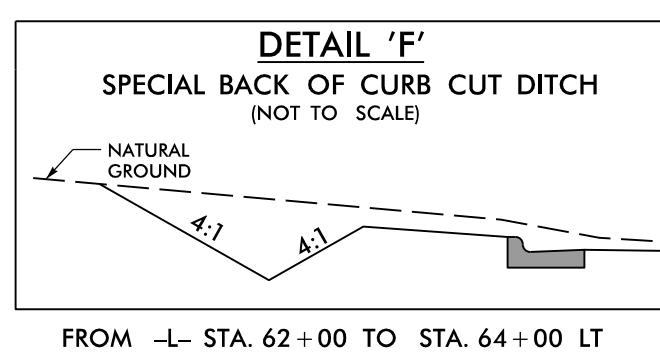
-L-	-RPA-	-RPA-	-RPA-
PI Sta 47+33.72	PI Sta 14+51.69	PI Sta 20+30.75	PI Sta 11+78.37
$\Delta = 13^{\circ}05'19.1''$ (RT)	$\Delta = 14^{\circ}08'37.8''$ (RT)	$\Delta = 55^{\circ}08'58.6''$ (LT)	$\Delta = 3^{\circ}30'00.0''$ (RT)
D = 2'00'00.0"	D = 2'42'46.3"	D = 22'55'05.9"	D = 3'49'11.0"
L = 654.43'	L = 521.36'	L = 240.64'	L = 91.63'
T = 328.65'	T = 262.01'	T = 130.56'	T = 45.83'
R = 2,864.79'	R = 2,112.00'	R = 250.00'	R = 1,500.00'
e = 0.03	e = Transition to exist.	e = .05	e = Transition to exist.
Runoff = 126'	Runoff = 140'		



☆ EXISTING SIGNAL

FOR RW PLAN, SEE SHEET NO. 2B-3
FOR -L- PROFILE, SEE SHEET NO. 13
FOR -RPA- PROFILE, SEE SHEET NO. 17
FOR -RPB- PROFILE, SEE SHEET NO. 17

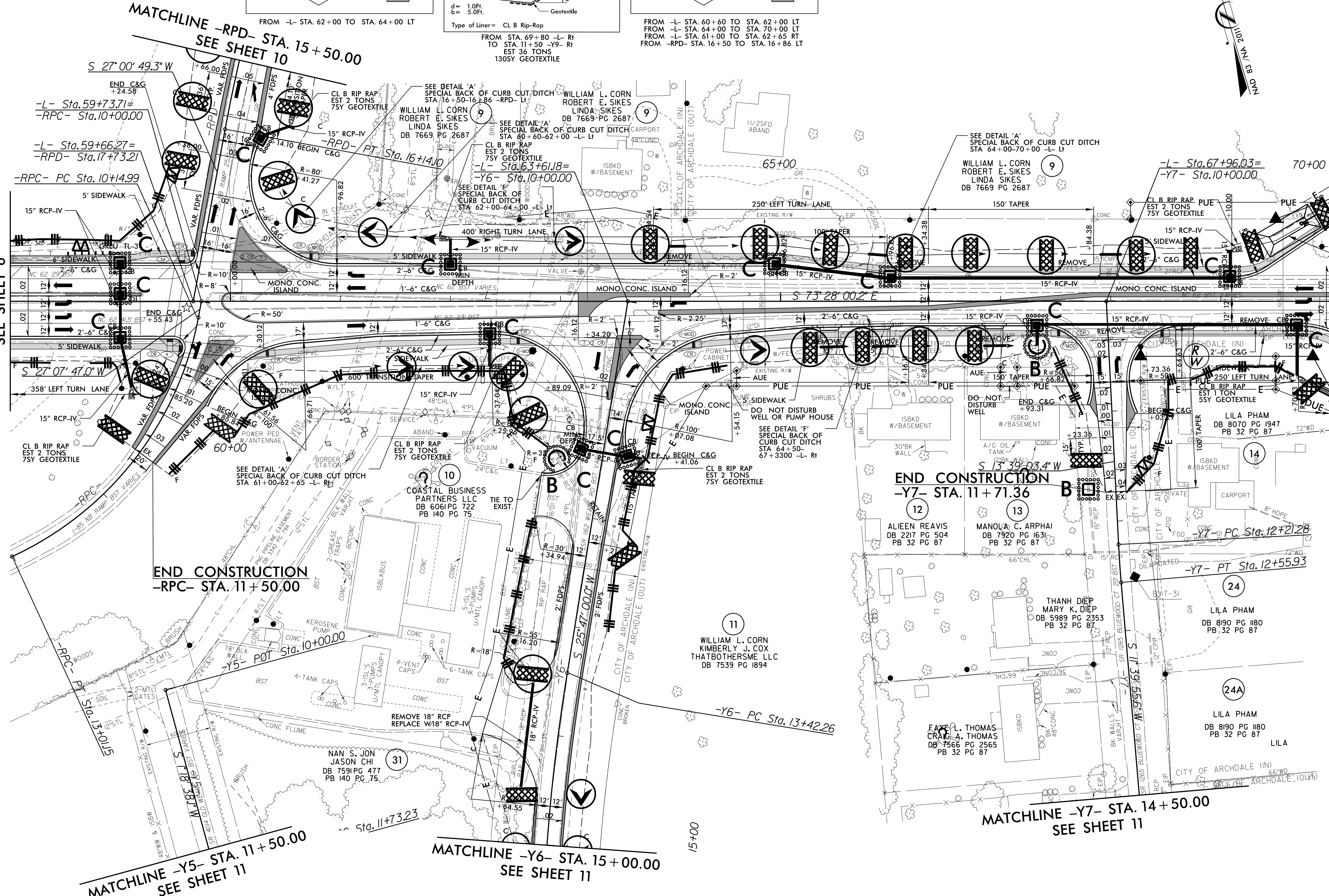
NOTES:
1. DRIVEWAYS FOR SHOULDER SECTIONS: USE 16' MIN. WIDTH FOR RESIDENTIAL AND 24' MIN. WIDTH FOR COMMERCIAL WITH 5' MIN. RADIUS; OTHERWISE MATCH EXISTING.
2. DRIVEWAYS FOR C&G SECTIONS: USE 16' MIN. WIDTH FOR RESIDENTIAL AND 24' MIN. WIDTH FOR COMMERCIAL; OTHERWISE MATCH EXISTING.



UTILIZE FABRIC INSERT INLET PROTECTIONS IN LIEU OF ROCK SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC



MATCHLINE -L- STA. 58+00.00
SEE SHEET 6

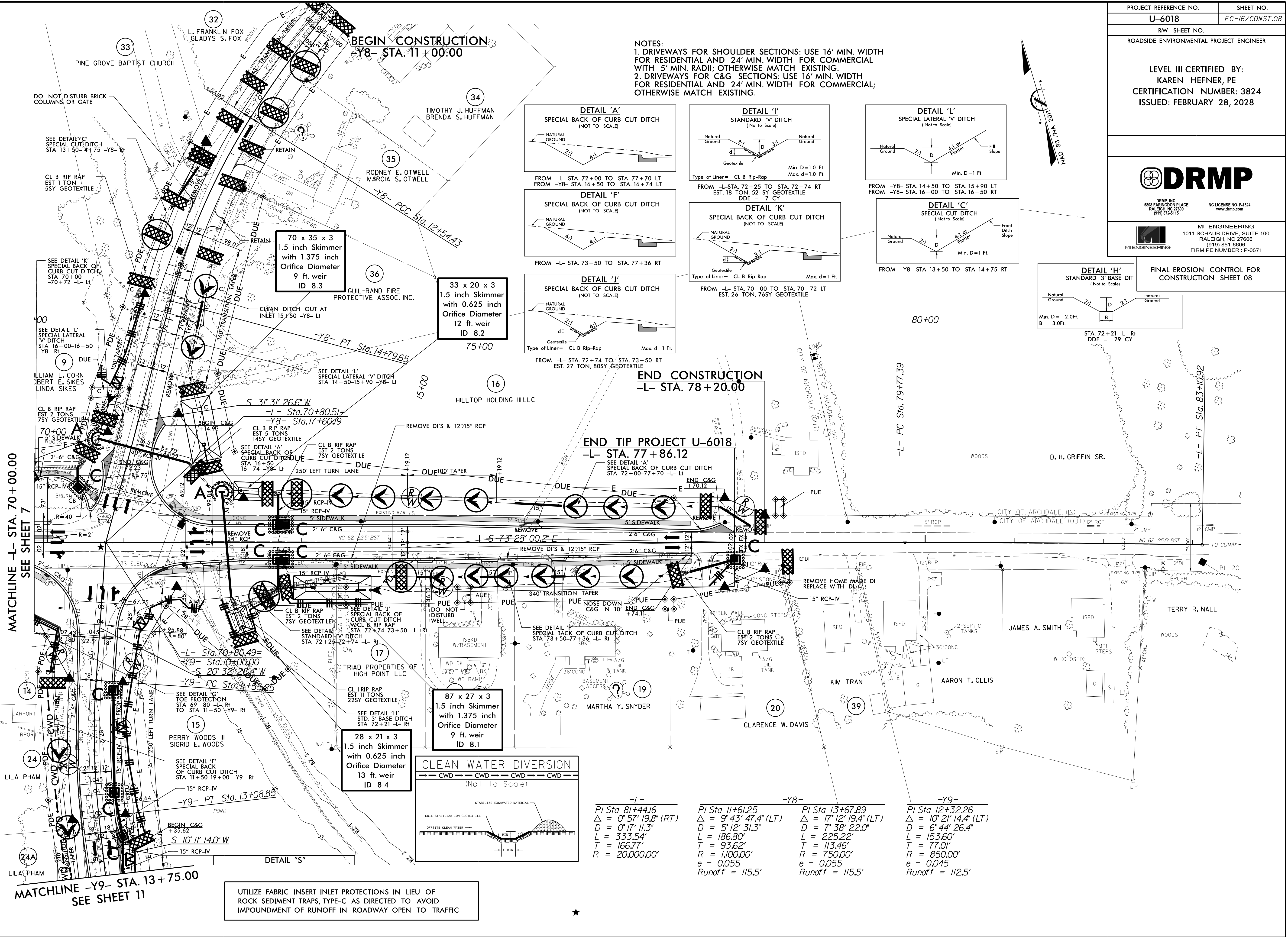


MATCHLINE -L- STA. 70+00.00
SEE SHEET 8

51 x 25 x 3
1.5 inch Skimmer
with 1,000 inch
Orifice Diameter
4 ft. weir
ID 7.2

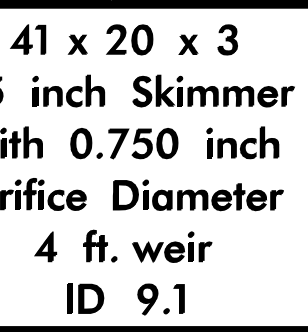
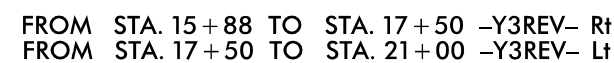
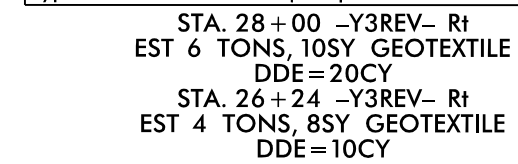
PROJECT REFERENCE NO.	SHEET NO.
U-6018	EC-15/CONST.07
RW SHEET NO.	
ROADSIDE ENVIRONMENTAL PROJECT ENGINEER	
LEVEL III CERTIFIED BY: KAREN HEFNER, PE CERTIFICATION NUMBER: 3824 ISSUED: FEBRUARY 28, 2025	
 DRMP, INC. 5808 FARMINGTON PLACE RALEIGH, NC 27609 (919) 872-5115 NC LICENSE NO. F-1524 www.drmp.com	
 MI ENGINEERING 1011 SCHAUB DRIVE, SUITE 100 RALEIGH, NC 27606 (919) 851-6606 FIRM PE NUMBER: P-0671	
FINAL EROSION CONTROL FOR CONSTRUCTION SHEET 07	

☆ EXISTING SIGNAL
FOR RW PLAN, SEE SHEET NO. 2B-4
FOR -L- PROFILE, SEE SHEET NO. 14
FOR -RPC- PROFILE, SEE SHEET NO. 17
FOR -RPD- PROFILE, SEE SHEET NO. 17
FOR -Y6- PROFILE, SEE SHEET NO. 18
FOR -Y7- PROFILE, SEE SHEET NO. 19



1. DRIVEWAYS FOR SHOULDER SECTIONS: USE 16' MIN. WIDTH FOR RESIDENTIAL AND 24' MIN. WIDTH FOR COMMERCIAL WITH 5' MIN. RADII; OTHERWISE MATCH EXISTING.

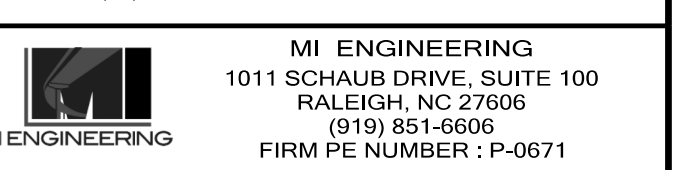
2. DRIVEWAYS FOR C&G SECTIONS: USE 16' MIN. WIDTH FOR RESIDENTIAL AND 24' MIN. WIDTH FOR COMMERCIAL; OTHERWISE MATCH EXISTING.



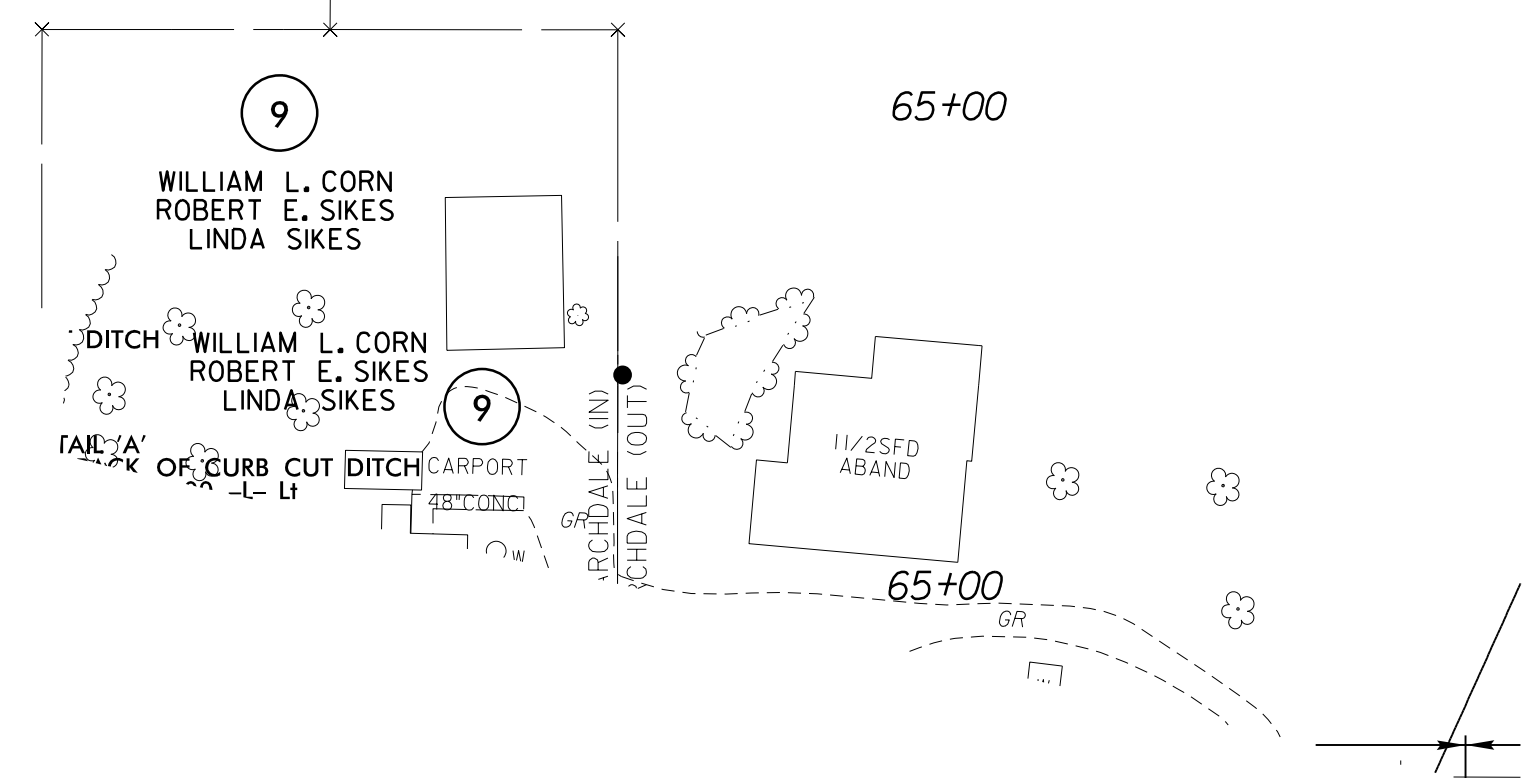
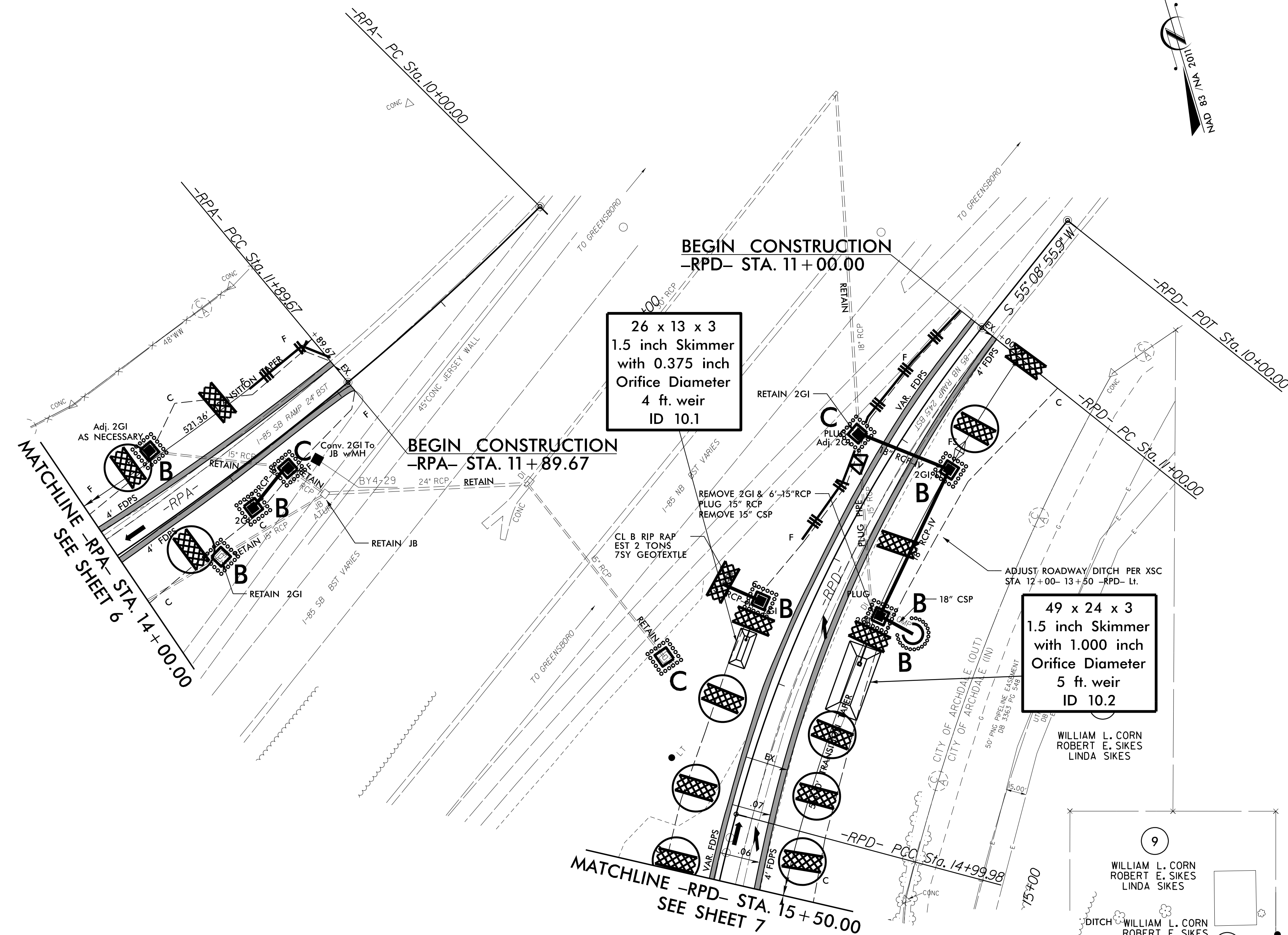
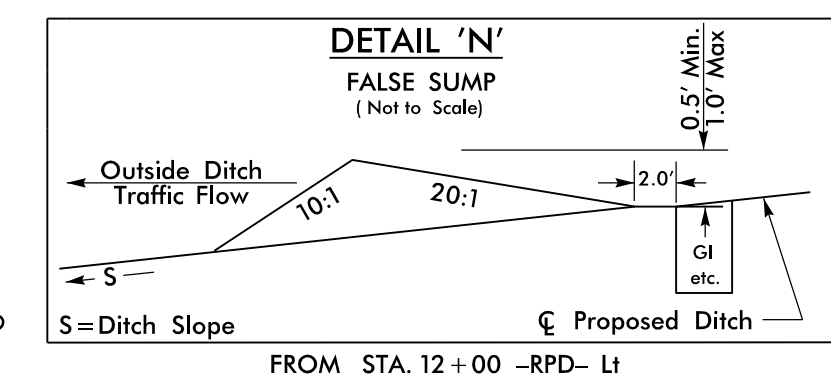
FOR RW PLAN, SEE SHEET NO. 2B-6
FOR -Y3- PROFILE, SEE SHEET NO. 16

UTILIZE FABRIC INSERT INLET PROTECTIONS IN LIEU OF
ROCK SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID
IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC

LEVEL III CERTIFIED BY:
KAREN HEFNER, PE
CERTIFICATION NUMBER: 3824
ISSUED: FEBRUARY 28, 2025



FINAL EROSION CONTROL FOR
CONSTRUCTION SHEET 10

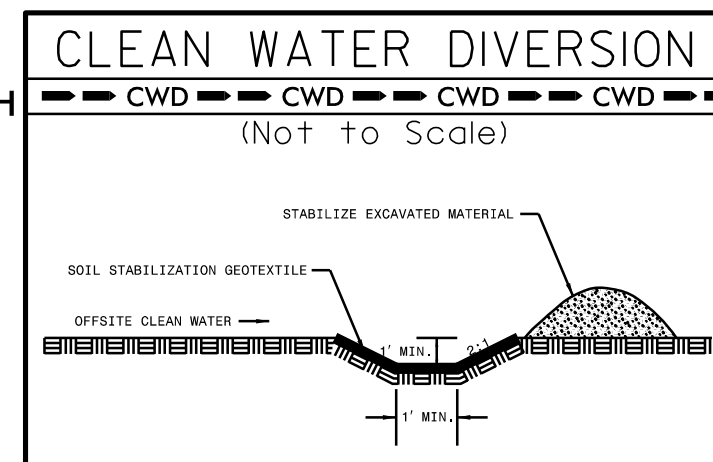


-RPA-		-RPD-	
$PI\ St a\ 10+94.9'$	$PI\ St a\ 14+51.69$	$PI\ St a\ 15+57.07$	$PI\ St a\ 15+57.07$
$\Delta = 15^{\circ} 19' 38.0'' (RT)$	$\Delta = 14^{\circ} 08' 37.8'' (RT)$	$\Delta = 4^{\circ} 30' 34.1'' (LT)$	$\Delta = 4^{\circ} 30' 34.1'' (LT)$
$D = 2^{\circ} 48' 31.0''$	$D = 2^{\circ} 42' 46.3''$	$D = 3^{\circ} 57' 05.2''$	$D = 3^{\circ} 57' 05.2''$
$L = 189.67'$	$L = 521.36'$	$L = 1141.2'$	$L = 1141.2'$
$T = 94.9'$	$T = 262.0'$	$T = 57.09'$	$T = 57.09'$
$R = 2,040.00'$	$R = 2,112.00'$	$R = 1,450.00'$	$R = 1,450.00'$
	$e = Transition\ to\ exist.$	$e = Transition\ to\ exist.$	$e = Transition\ to\ exist.$

FOR RW PLAN, SEE SHEET NO. 2B-7
FOR -RPA- PROFILE, SEE SHEET NO. 17
FOR -RPD- PROFILE, SEE SHEET NO. 17

2/28/2025
N:\NC Hydro\MI7035_U-6018\Erosion Control\CADD\U-6018_EC_final_10_ec18.dgn
MIENGINEERING, RALEIGH NC

1. DRIVEWAYS FOR SHOULDER SECTIONS: USE 16' MIN. WIDTH FOR RESIDENTIAL AND 24' MIN. WIDTH FOR COMMERCIAL WITH 5' MIN. RADI; OTHERWISE MATCH EXISTING.
2. DRIVEWAYS FOR C&G SECTIONS: USE 16' MIN. WIDTH FOR RESIDENTIAL AND 24' MIN. WIDTH FOR COMMERCIAL; OTHERWISE MATCH EXISTING.



MATCHLINE -Y9- STA. 13+75.00
SEE SHEET 8

PROJECT REFERENCE NO.	SHEET NO.
U-6018	EC-19/CONST.II
R/W SHEET NO.	
ROADSIDE ENVIRONMENTAL PROJECT ENGINEER	
LEVEL III CERTIFIED BY: KAREN HEFNER, PE CERTIFICATION NUMBER: 3824 ISSUED: FEBRUARY 28, 2025	



DRMP

DRMP, INC.
5808 FARINGDON PLACE
RALEIGH, NC 27609
(919) 872-5115

NC LICENSE NO. F-1524
www.drmp.com

 MI ENGINEERING
1011 SCHAUB DRIVE, SUITE 100
RALEIGH, NC 27606
(919) 851-6606
FIRM PE NUMBER : P-0671

FINAL EROSION CONTROL FOR
CONSTRUCTION SHEET 11

