

**This electronic collection of documents is provided
for the convenience of the user
and is Not a Certified Document –**

**The documents contained herein were originally issued
and sealed by the individuals whose names and license
numbers appear on each page, on the dates appearing
with their signature on that page.**

**This file or an individual page
shall not be considered a certified document.**

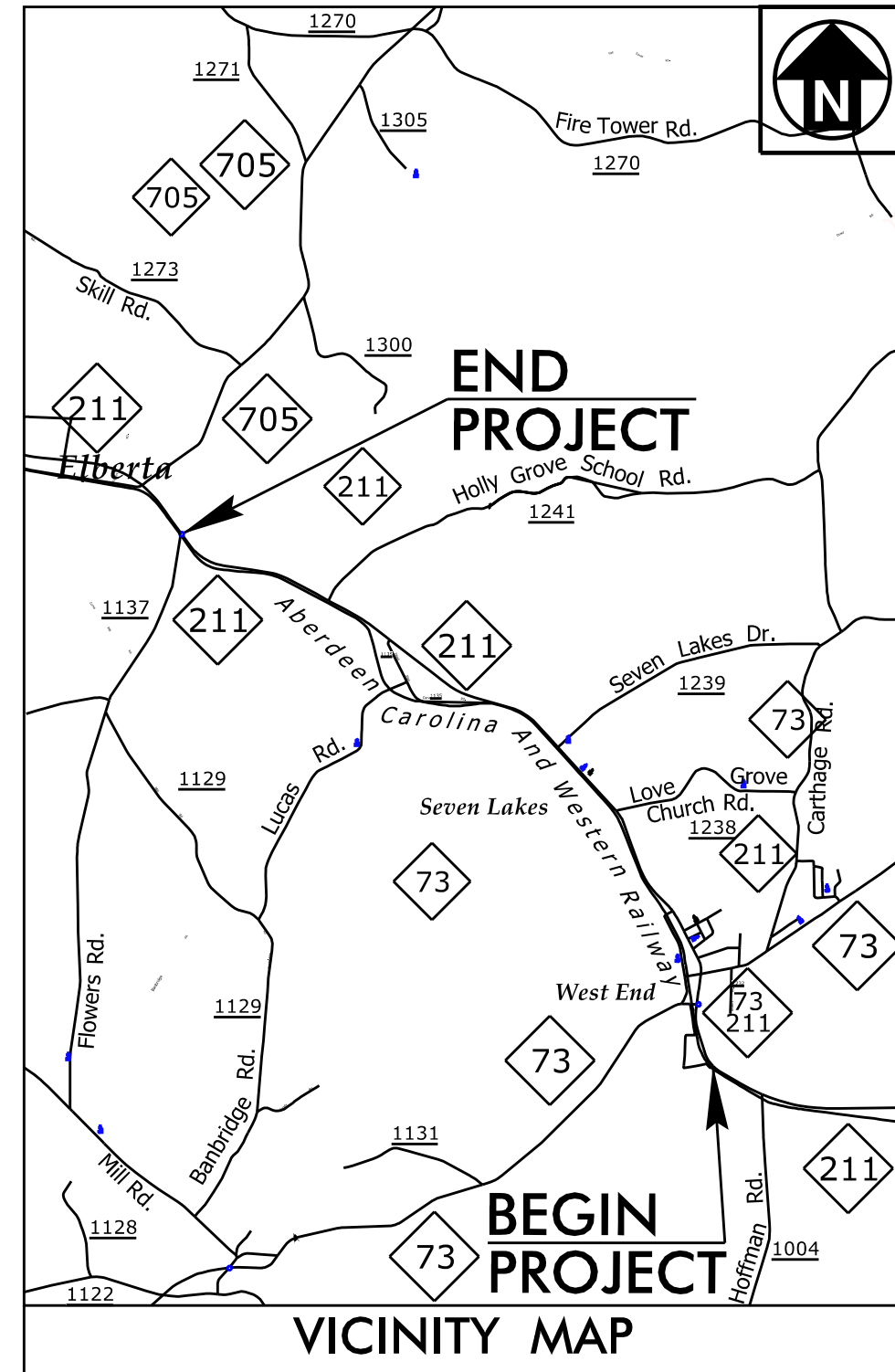
TIP PROJECT: R-5726A

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

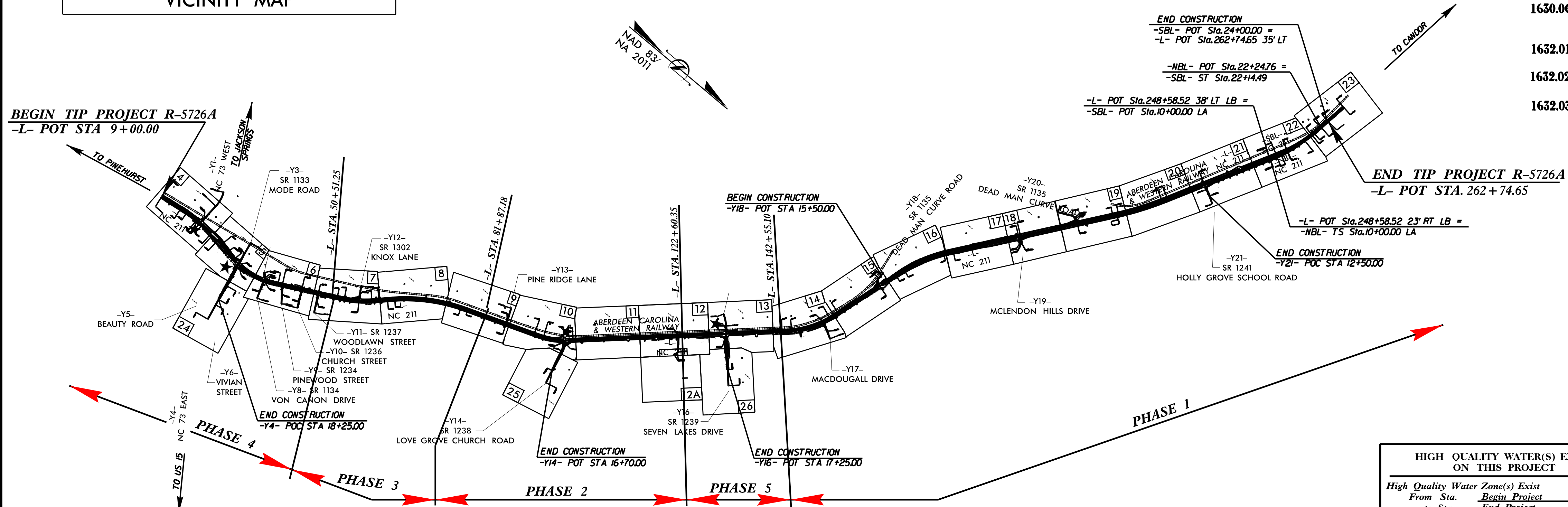
LOCATION: NC 211 FROM SOUTH OF NC 73 IN WEST END TO NORTH OF
SR 1241 (HOLLY GROVE SCHOOL ROAD).

TYPE OF WORK: GRADING, PAVING, DRAINAGE, AND SIGNALS

EARLY START CLEARING AND GRUBBING
EROSION CONTROL PLANS

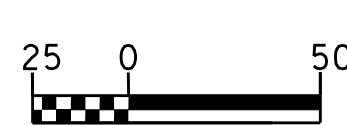


BEGIN TIP PROJECT R-5726A
-L- POT STA 9+00.00



CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III.
THIS IS A PARTIAL CONTROLLED-ACCESS PROJECT WITH ACCESS BEING LIMITED TO POINTS AS SHOWN ON THE PLANS

GRAPHIC SCALE



PLANS

THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH
THE APPLICABLE REGULATIONS SET FORTH BY THE NCG-01000
GENERAL CONSTRUCTION PERMIT EFFECTIVE APRIL 1, 2019
AND ISSUED BY THE NORTH CAROLINA DEPARTMENT OF
ENVIRONMENTAL QUALITY DIVISION OF WATER RESOURCES.

HDR HDR Engineering, Inc. of the Carolinas
555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

Prepared in the Office of:
HDR Engineering, Inc. of the Carolinas
555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116
2018 STANDARD SPECIFICATIONS

Designed by:
Wyatt D. Yelverton, PE, CPESC 3609
NAME LEVEL III CERTIFICATION NO.

HIGH QUALITY WATER(S) EXIST
ON THIS PROJECT
High Quality Water Zone(s) Exist
From Sta. Begin Project
to Sta. End Project
Refer To E. C. Special Provisions
for Special Considerations.

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

THIS PROJECT HAS
BEEN DESIGNED TO
SENSITIVE WATERSHED
STANDARDS.

ENVIRONMENTALLY
SENSITIVE AREA(S) EXIST
ON THIS PROJECT
Refer To E. C. Special Provisions
for Special Considerations.

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	

EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1630.03	Temporary Silt Ditch	TD
1630.05	Temporary Diversion	TD
1605.01	Temporary Silt Fence	III III III
1606.01	Special Sediment Control Fence	III III III
1622.01	Temporary Berms and Slope Drains	III III III
1630.02	Silt Basin Type B	III III III
1633.01	Temporary Rock Silt Check Type-A	III III III
	Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	III III III
1633.02	Temporary Rock Silt Check Type-B	III III III
	Wattle/Coir Fiber Wattle	III III III
	Wattle/Coir Fiber Wattle with Polyacrylamide (PAM)	III III III
1634.01	Temporary Rock Sediment Dam Type-A	III III III
1634.02	Temporary Rock Sediment Dam Type-B	III III III
1635.01	Rock Pipe Inlet Sediment Trap Type-A	III III III
1635.02	Rock Pipe Inlet Sediment Trap Type-B	III III III
1630.04	Stilling Basin	III III III
1630.06	Special Stilling Basin	III III III
	Rock Inlet Sediment Trap:	III III III
1632.01	Type A	III III III
1632.02	Type B	III III III
1632.03	Type C	III III III
	Skimmer Basin	III III III
	Tiered Skimmer Basin	III III III
	Infiltration Basin	III III III



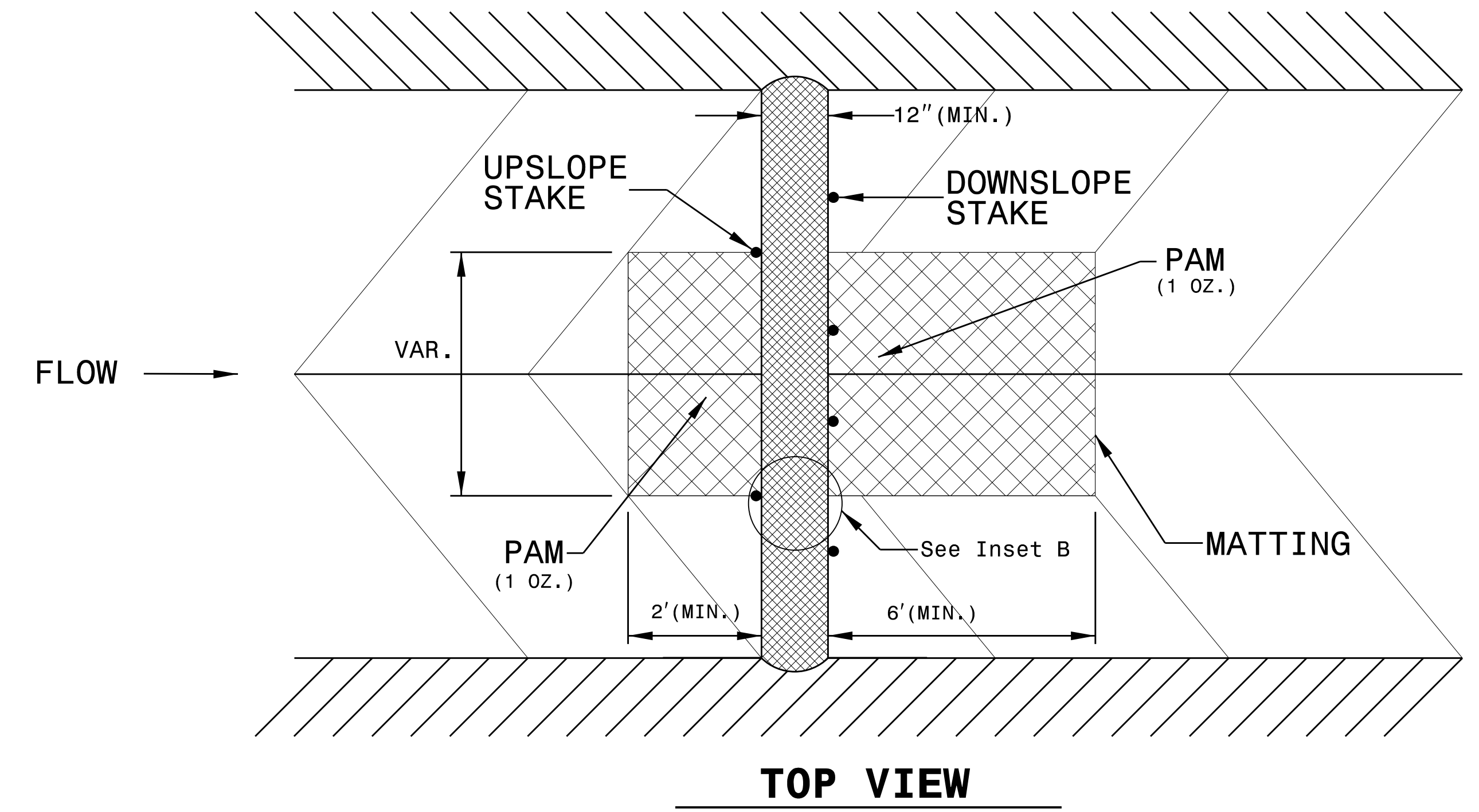
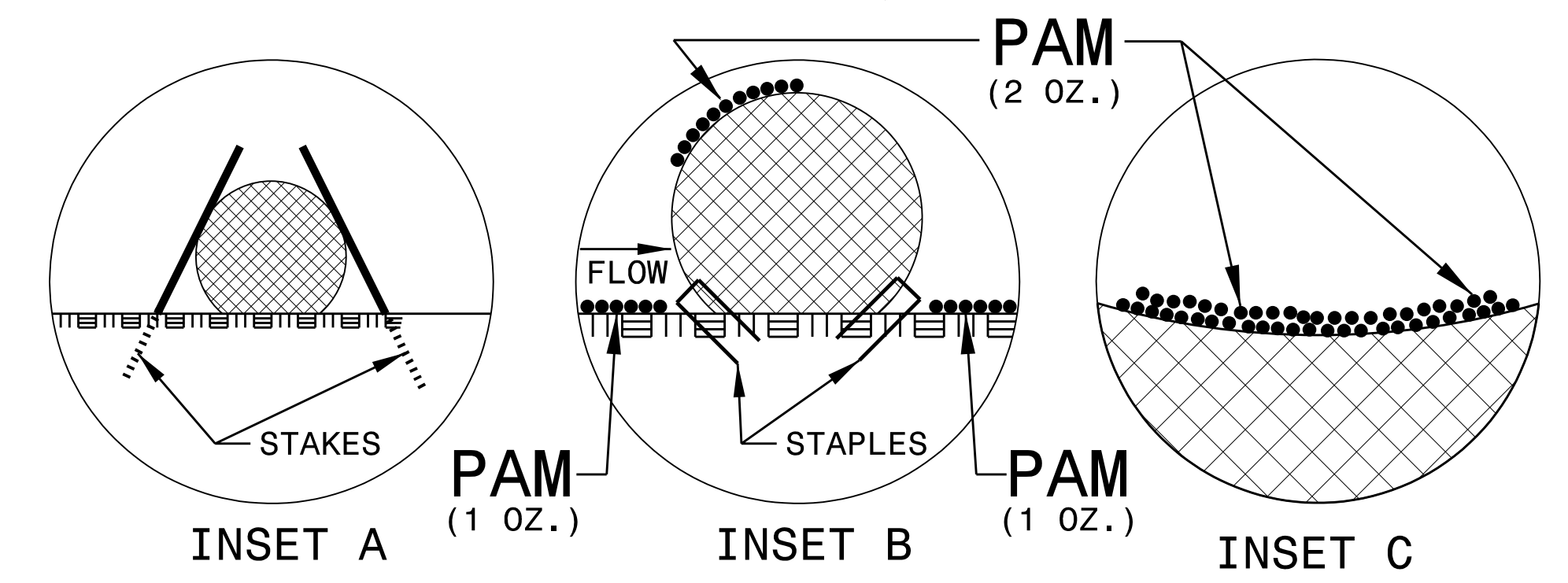
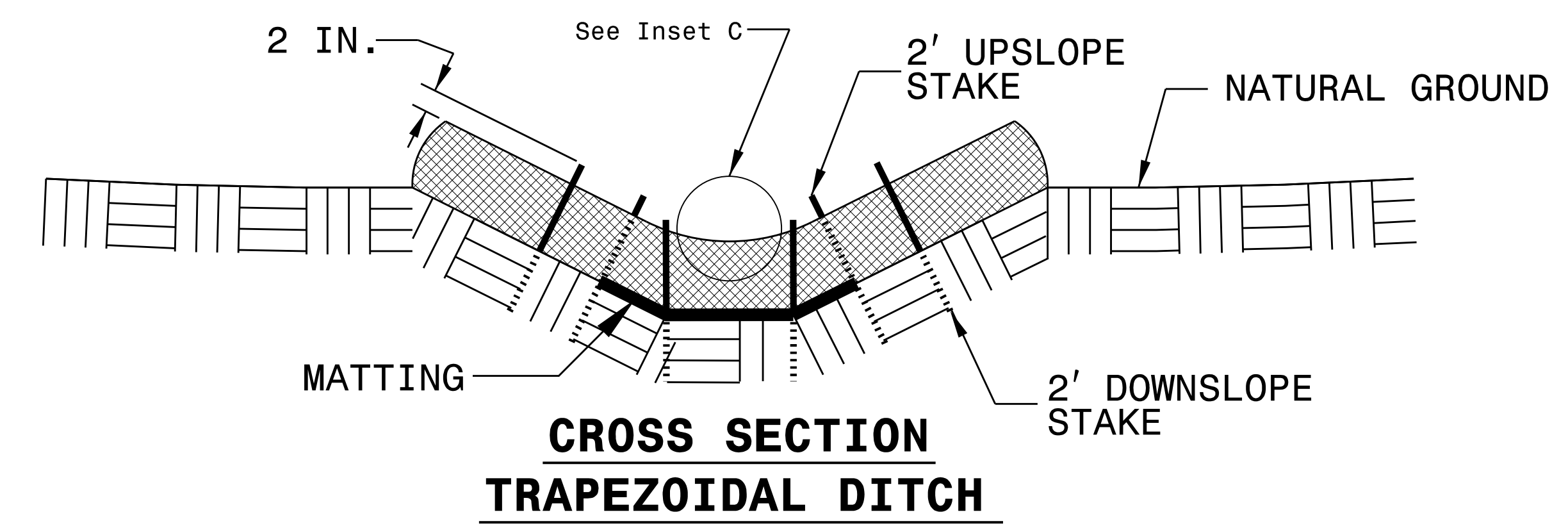
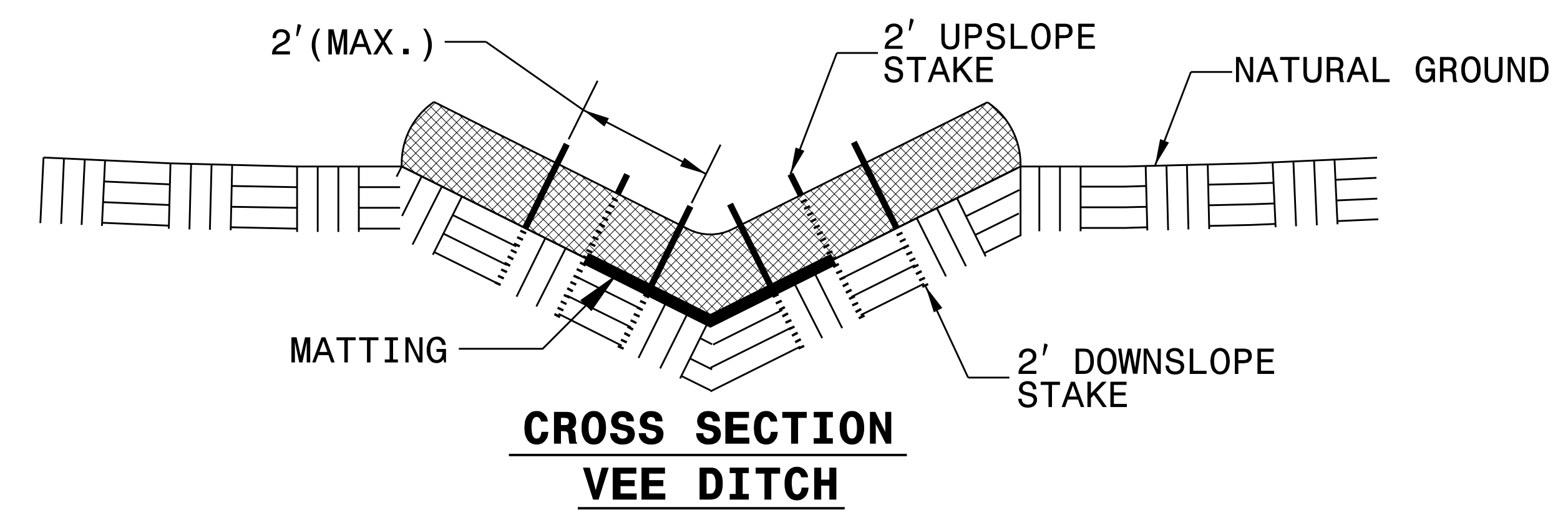
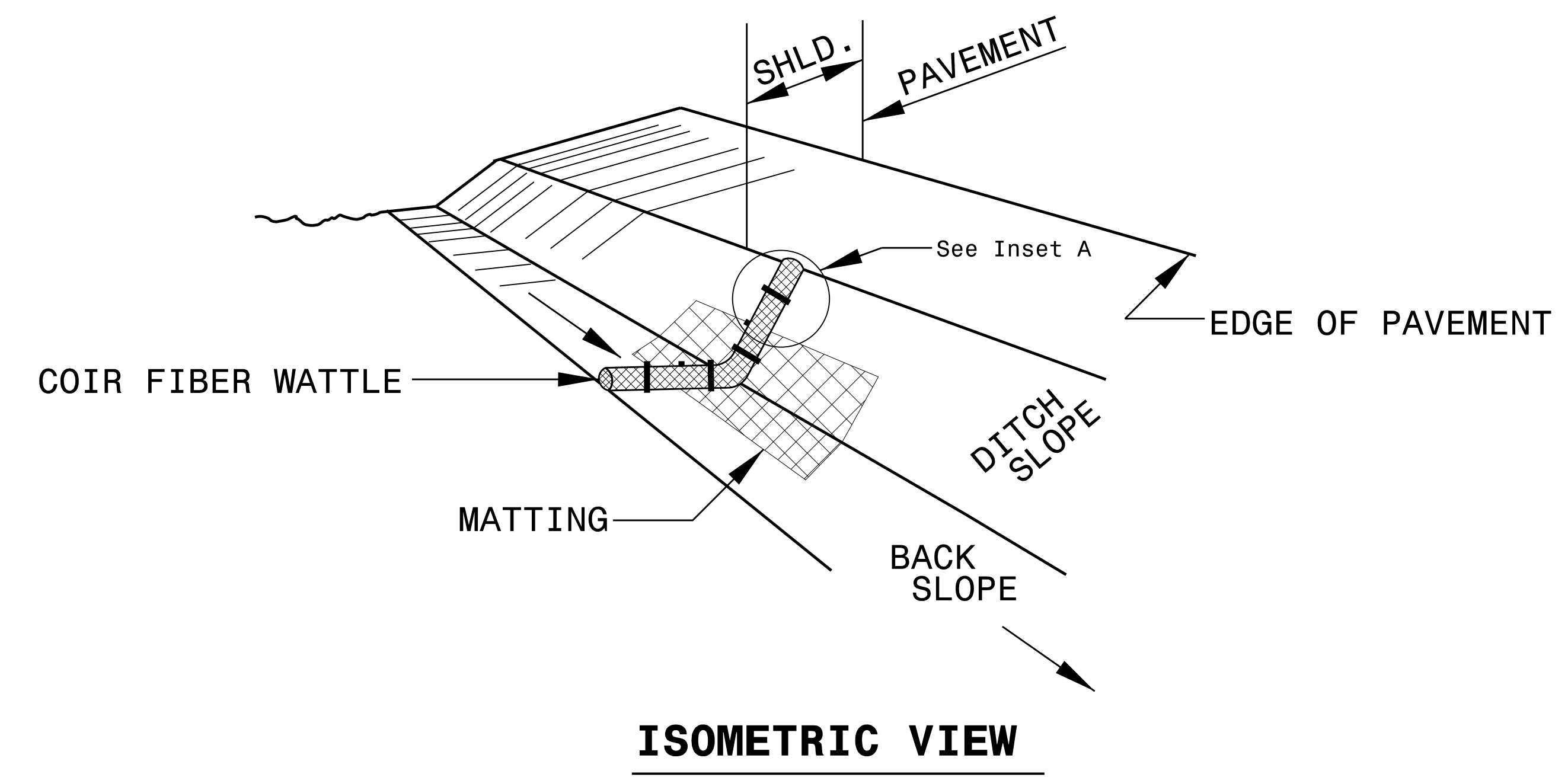
HDR Engineering, Inc. of the Carolinas
555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

PROJECT REFERENCE NO. <i>R-5726A</i>	SHEET NO. <i>EC-2</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

COIR FIBER WATTLE WITH POLYACRYLAMIDE (PAM) DETAIL


NOTES:

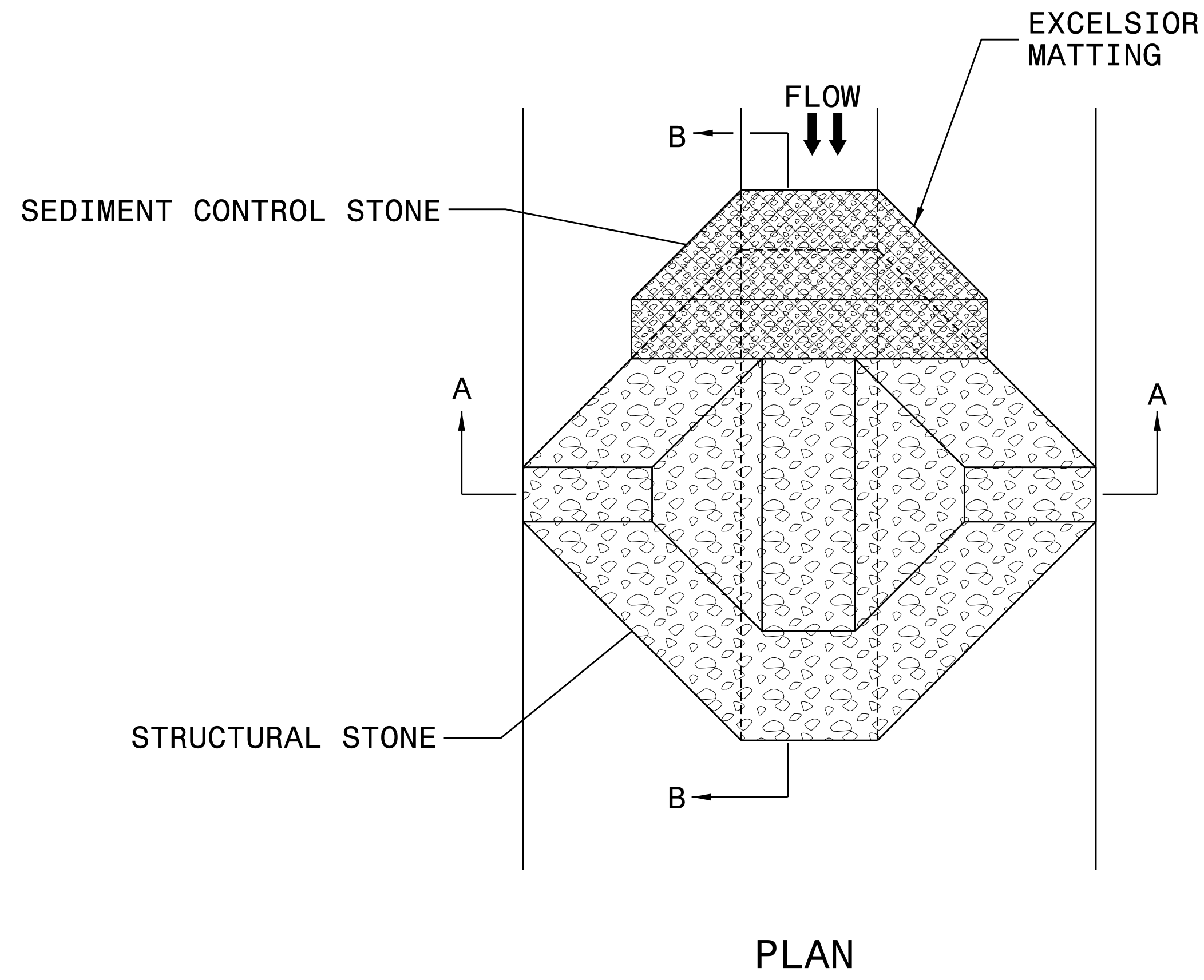
- USE MINIMUM 12 IN. DIAMETER COIR FIBER (COCONUT FIBER) WATTLE.
- USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.
- ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.
- INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.
- PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.
- INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.
- INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.
- 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 WATTLE.
- INITIALLY APPLY 2 OUNCES OF ANIONIC OR NEUTRALLY CHARGED PAM OVER WATTLE WHERE WATER WILL FLOW AND 1 OUNCE OF PAM ON EACH SIDE OF WATTLE. REAPPLY PAM AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 0.50 IN.



PLOT DRIVER: NCDOT_pdf_color_eng_50.pst
 USER: WYELVERT
 FILE: Mott_McDonald_I.E.LLC - Fuquoy_Vorino_MMIE_MST-2016_PD_0_NCDOT537_MM1.E.1759.W01_R5726_NC211WID_6.0_CAD_BIM_6.2_Work_In_Progress_R-5726_Erosion_Control_R5726_EC_DETAILS.dgn
 PENTABLE: NCDOT_EC_C&G_BW.tbl
 TIME: 3:29:31 PM
 DATE: 2/7/2022

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

PROJECT REFERENCE NO. <i>R-5726A</i>	SHEET NO. <i>EC-2A</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	



PLAN

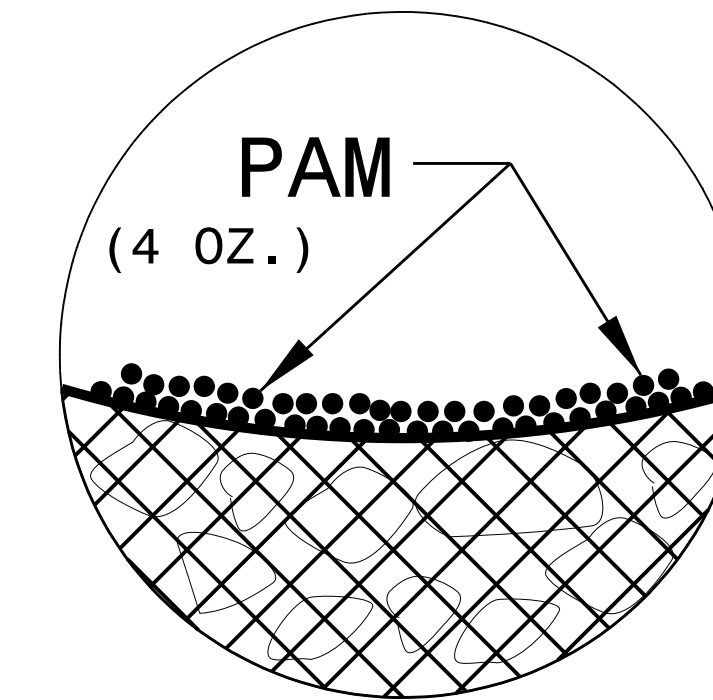
NOTES:

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

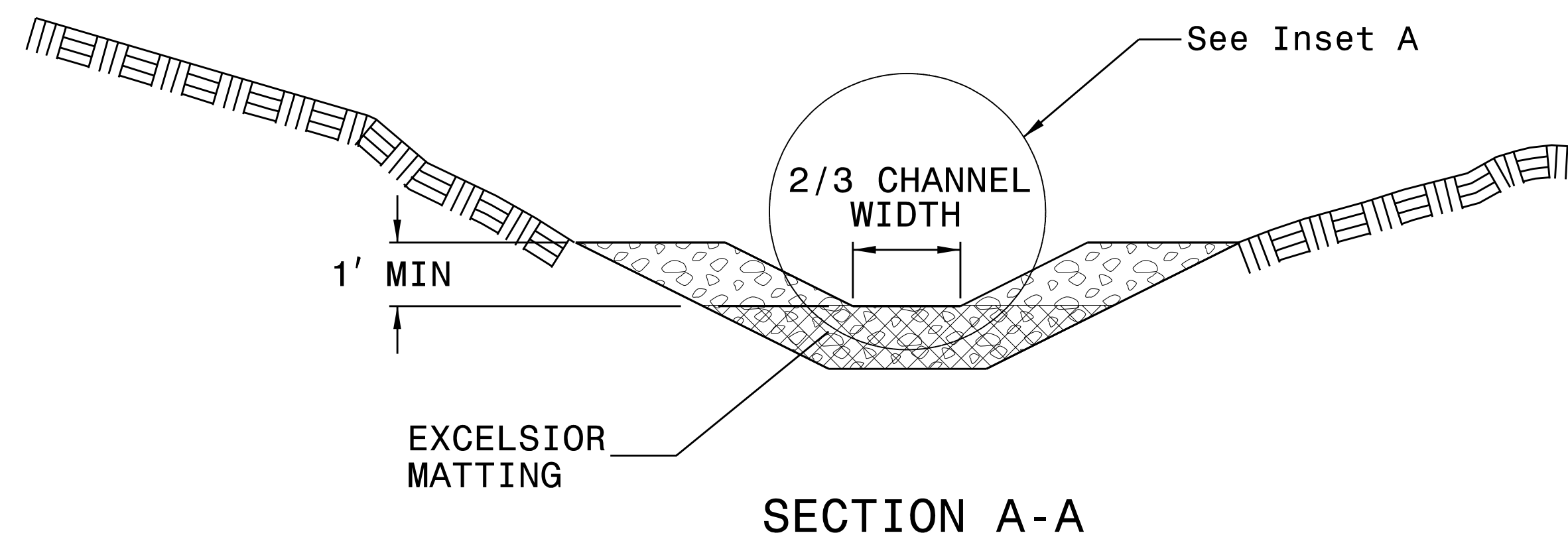
USE EXCELSIOR FOR MATTING MATERIAL AND ANCHOR MATTING SECTION AT TOP AND BOTTOM WITH CLASS B STONE.

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.

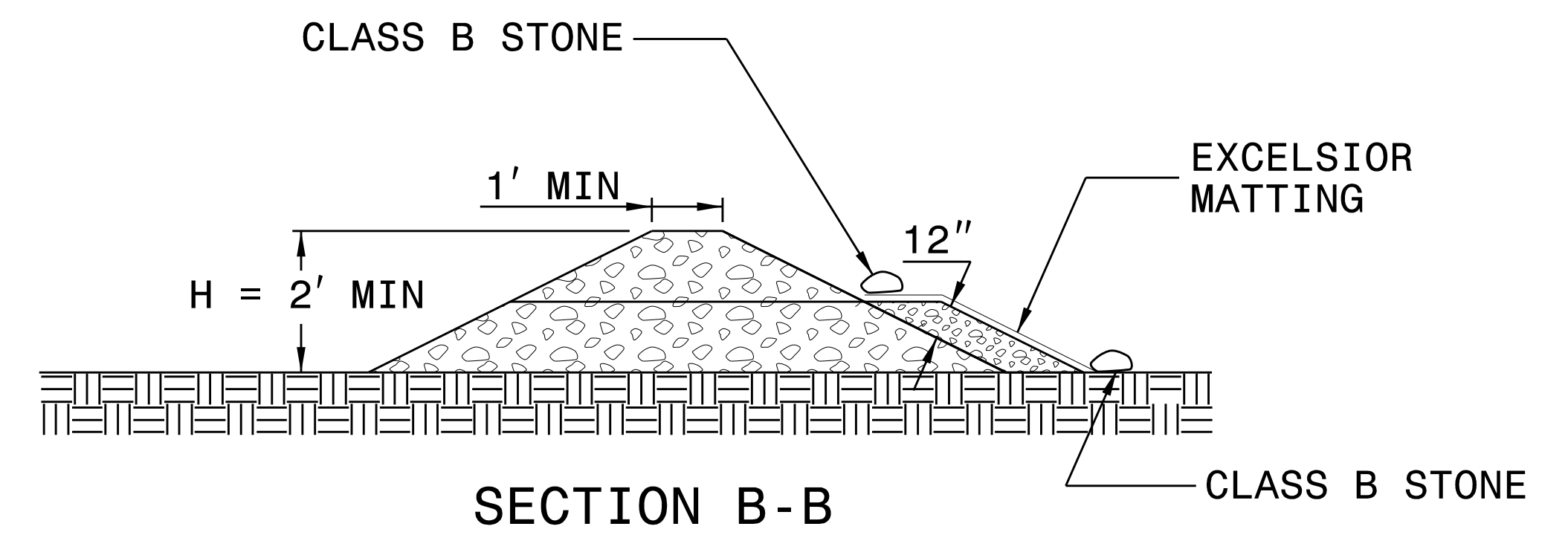
INITIALLY APPLY 4 OUNCES OF POLYACRYLAMIDE (PAM) TO TOP OF MATTING SECTION AND AFTER EVERY RAINFALL EVENT THAT EQUALS OR EXCEEDS 0.50 INCHES.



INSET A



SECTION A-A



SECTION B-B

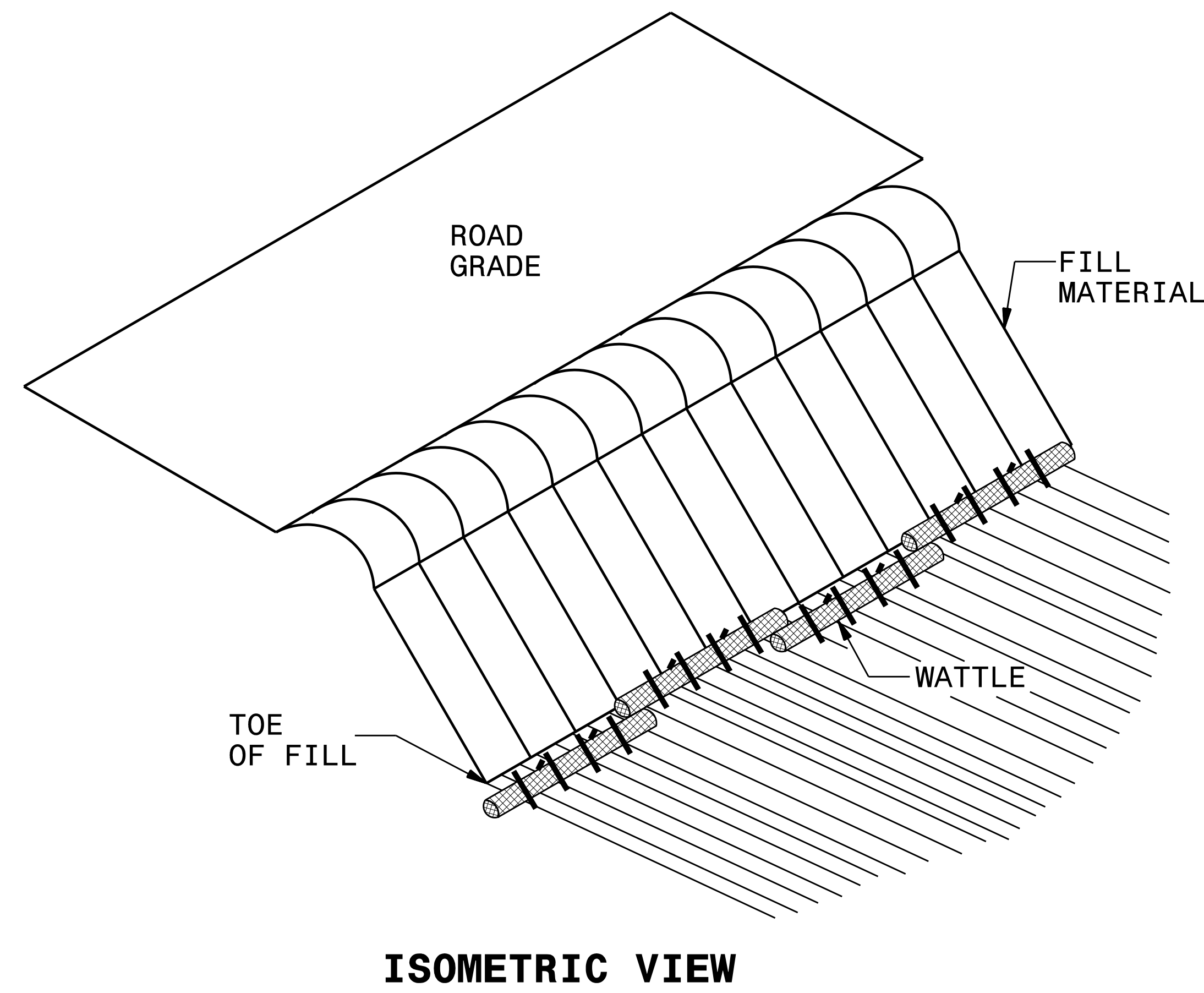
NOT TO SCALE

PLOT DRIVER: NCDOT_pdf_color_eng_50dpi
 USER: WYELVERT
 FILE: Mott_McDonald_I.E.LLC_-_Fuquoy_Vorino_MMIE_MST_2016_PD_0_NCDOT537_NMI.E.1759_W01_R5726_NC211WID_6.0_CAD_BIM_6.2_Work_In_Progress_R-5726_Erosion_Control_R5726_EC_DETAILS.dgn
 PENTABLE: NCDOT_EC_C&G_BW.tbl
 TIME: 3:30:07 PM
 DATE: 2/7/2022

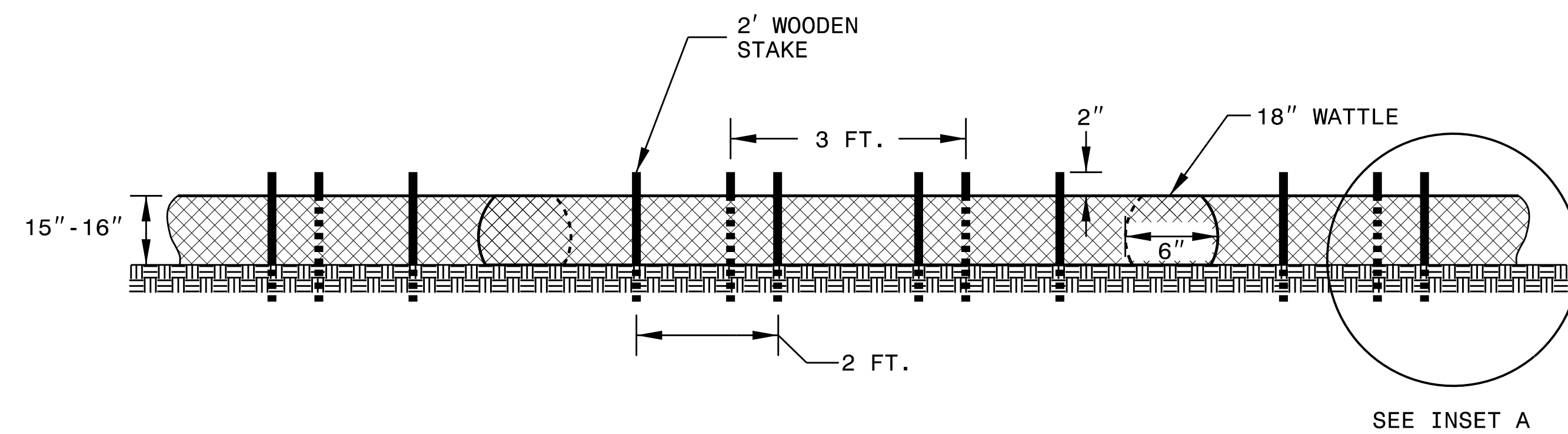


PROJECT REFERENCE NO. <i>R-5726A</i>	SHEET NO. <i>EC-2B</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

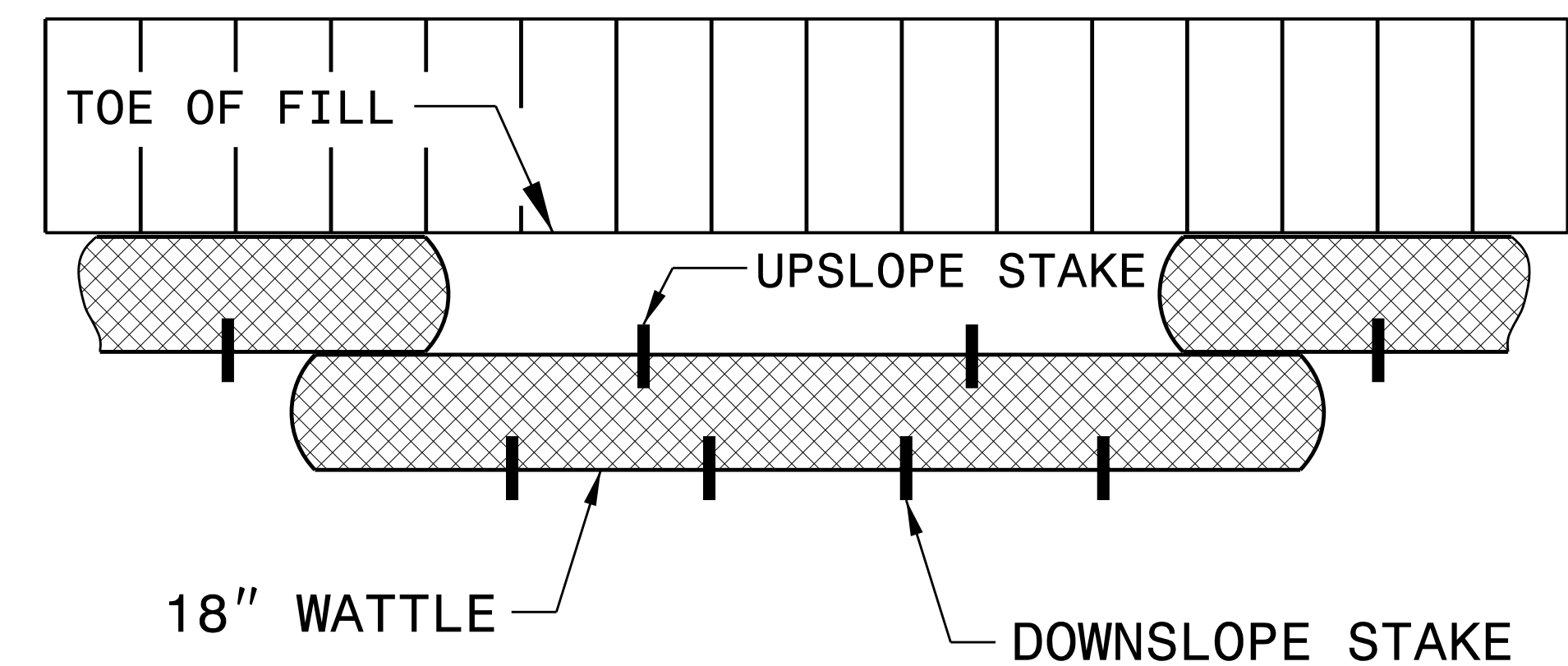
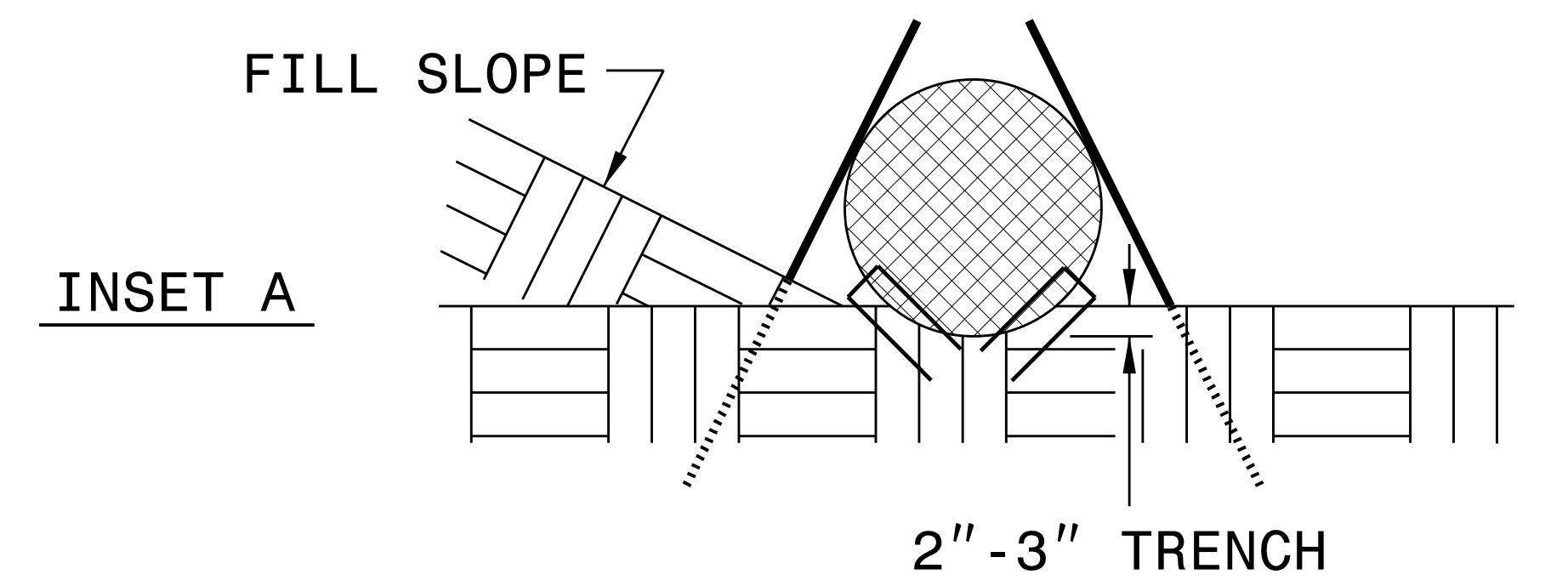
WATTLE BARRIER DETAIL



ISOMETRIC VIEW



FRONT VIEW



TOP VIEW

NOTES:

USE MINIMUM 18 IN. NOMINAL DIAMETER EXCELSIOR WATTLE AND LENGTH OF 10 FT.

EXCAVATE A 2 TO 3 INCH TRENCH FOR WATTLE TO BE PLACED.

DO NOT PLACE WATTLES ON TOE OF SLOPE.

USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.

INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO GROUND.

PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

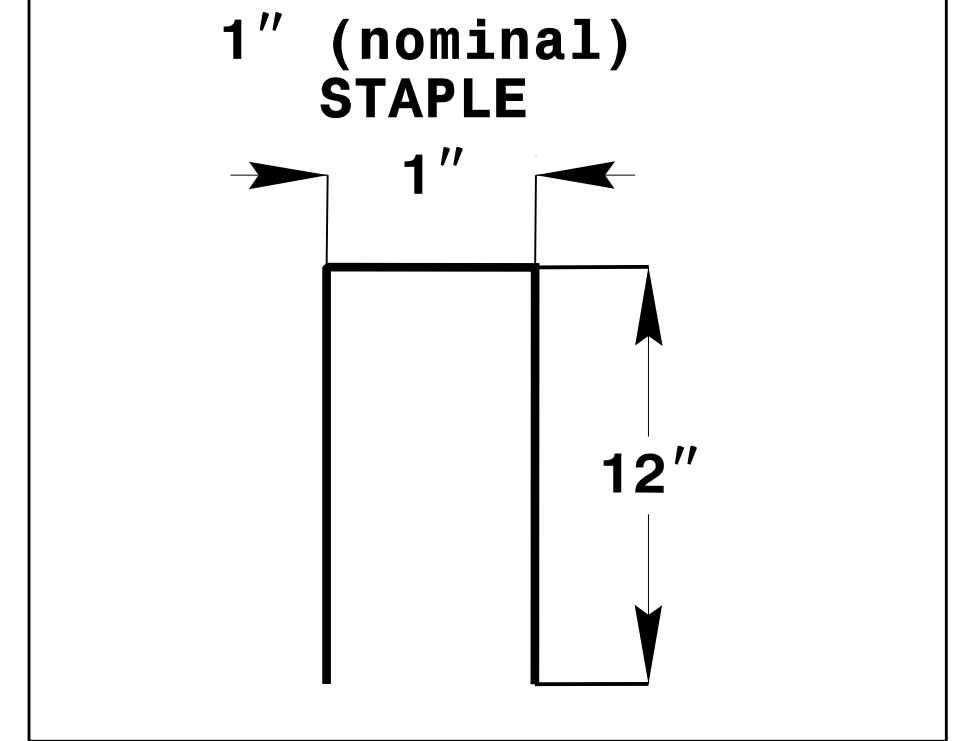
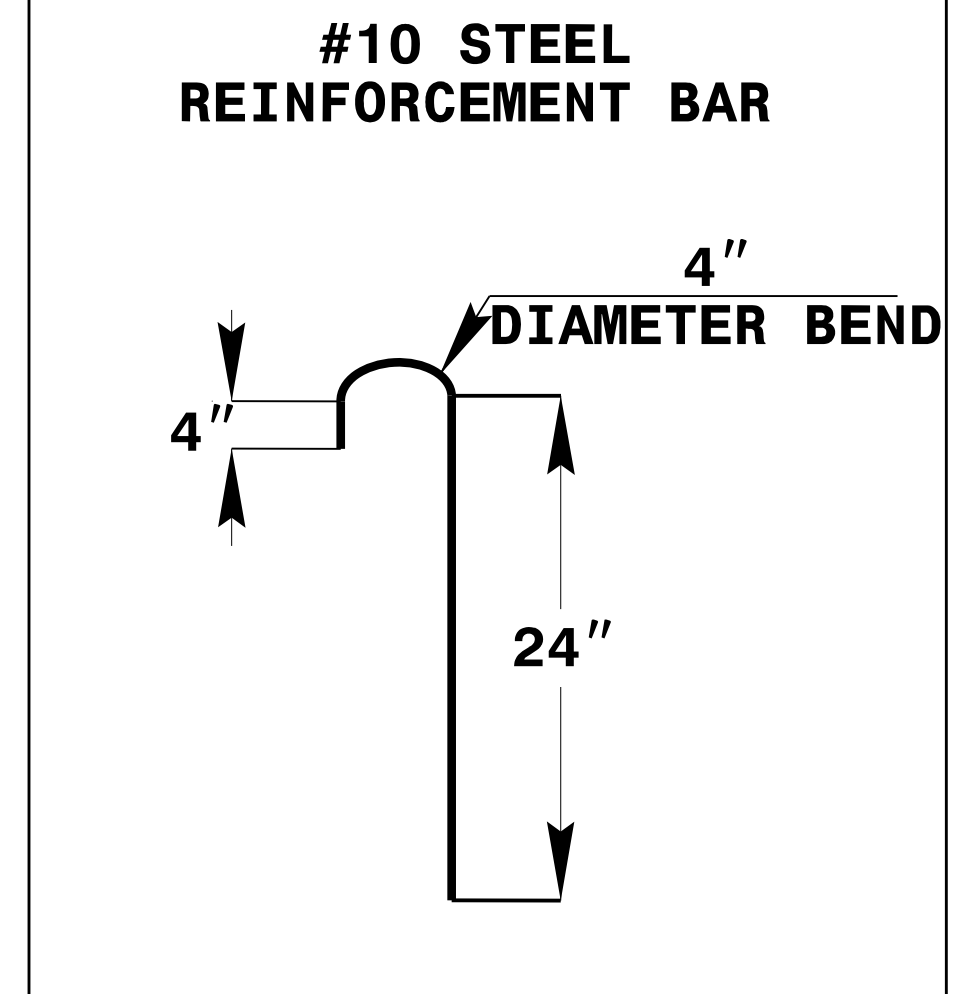
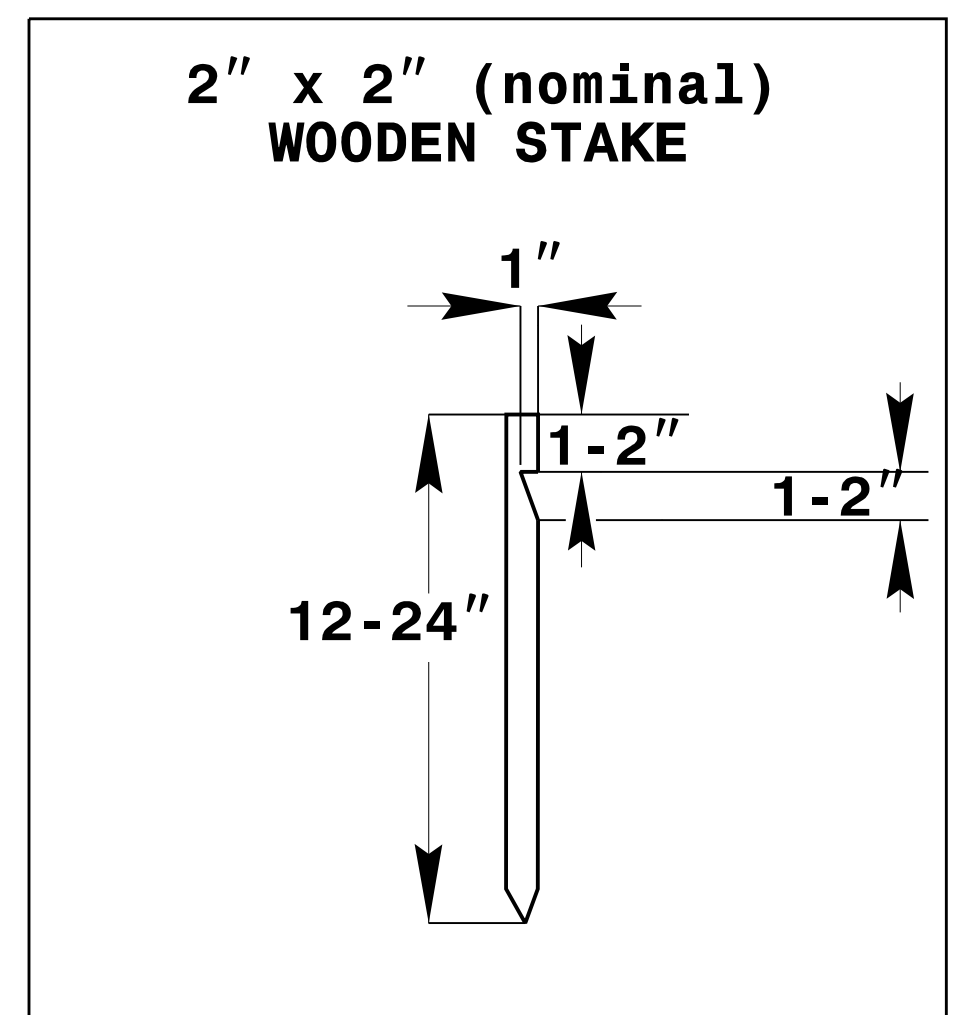
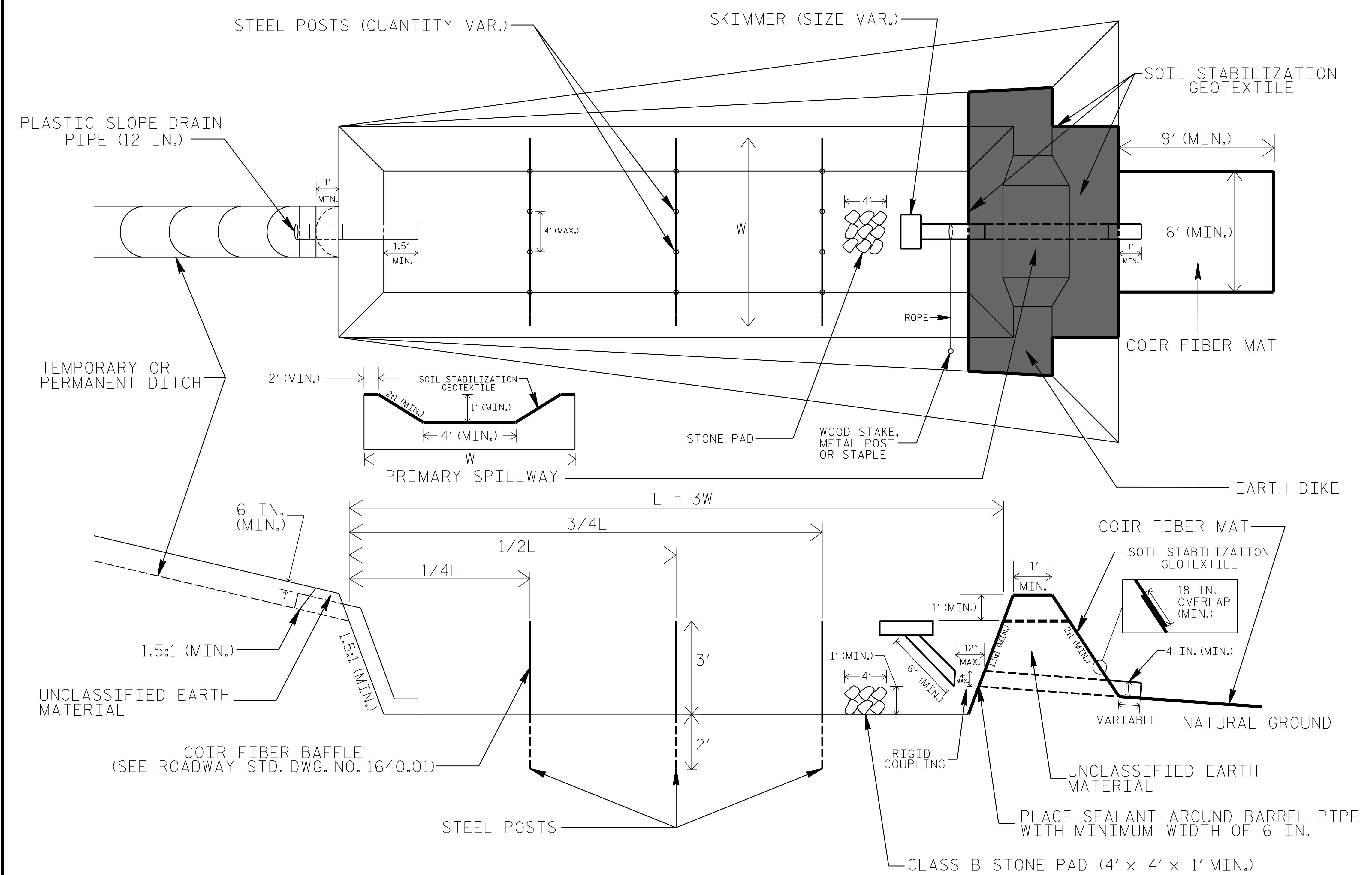
INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

FOR BREAKS ALONG LARGE SLOPES, USE MAXIMUM SPACING OF 20 FT.

PLOT DRIVER: NCDOT_pdf_color_eng_50.pdf
 USER: WYELVERT
 FILE: Mott_McDonald_I.E.LLC_-_Fuquoy_Vorino_MMIE_MST_2016_PD_0_NCDOT537_VML_E_1759_W01_R5726_NC211WID_6.0_CAD_BIM_6.2_Work_In_Progress_R-5726_Erosion_Control_R5726_EC_DETAILS.dgn
 PENTABLE: NCDOT_EC_C&G_BW.tbl
 TIME: 3:30:34 PM
 DATE: 2/7/2022

PROJECT REFERENCE NO. <i>R-5726A</i>	SHEET NO. <i>EC-2C</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

SKIMMER BASIN WITH BAFFLES DETAIL



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. SOIL STABILIZATION GEOTEXTILE FOR PRIMARY SPILLWAY SHALL BE ONE CONTINUOUS PIECE OF MATERIAL OR OVERLAPPED 18 IN. (MIN.).

NOT TO SCALE

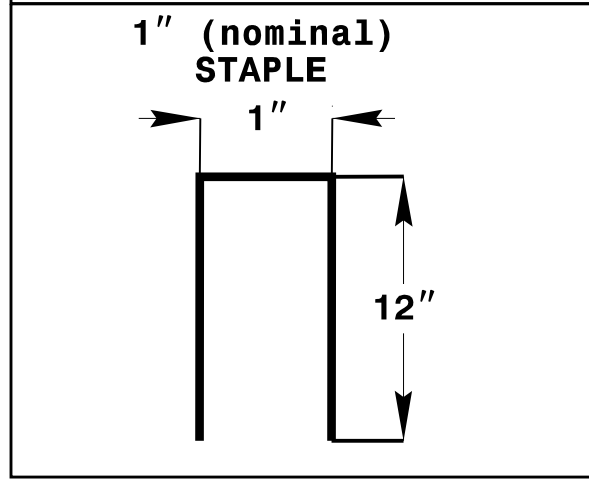
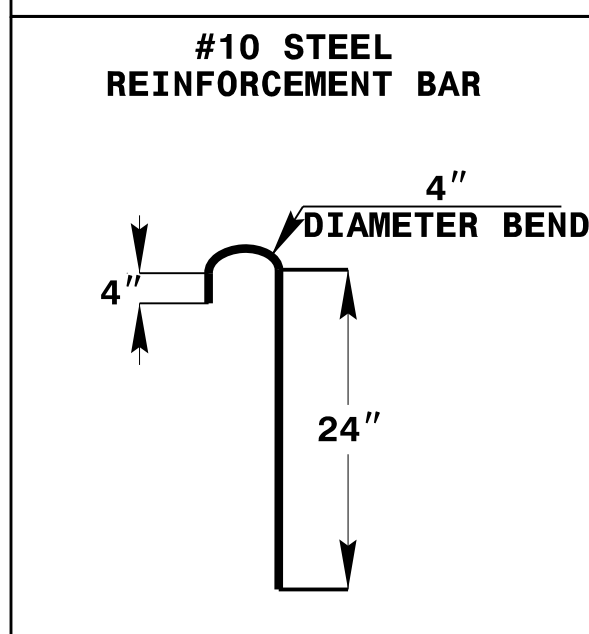
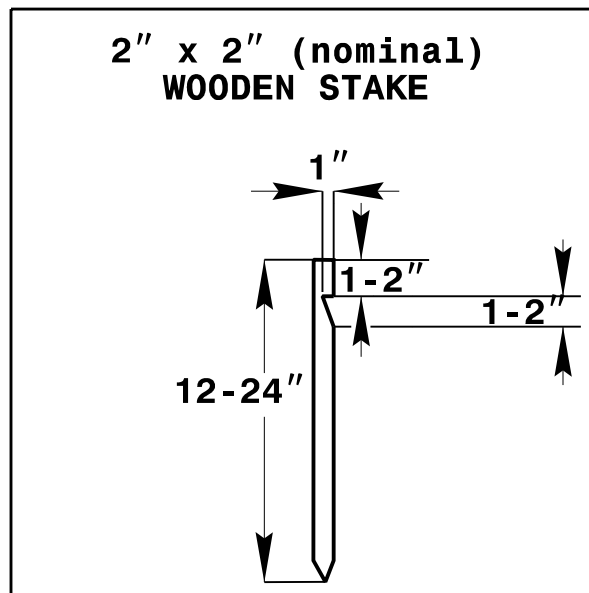
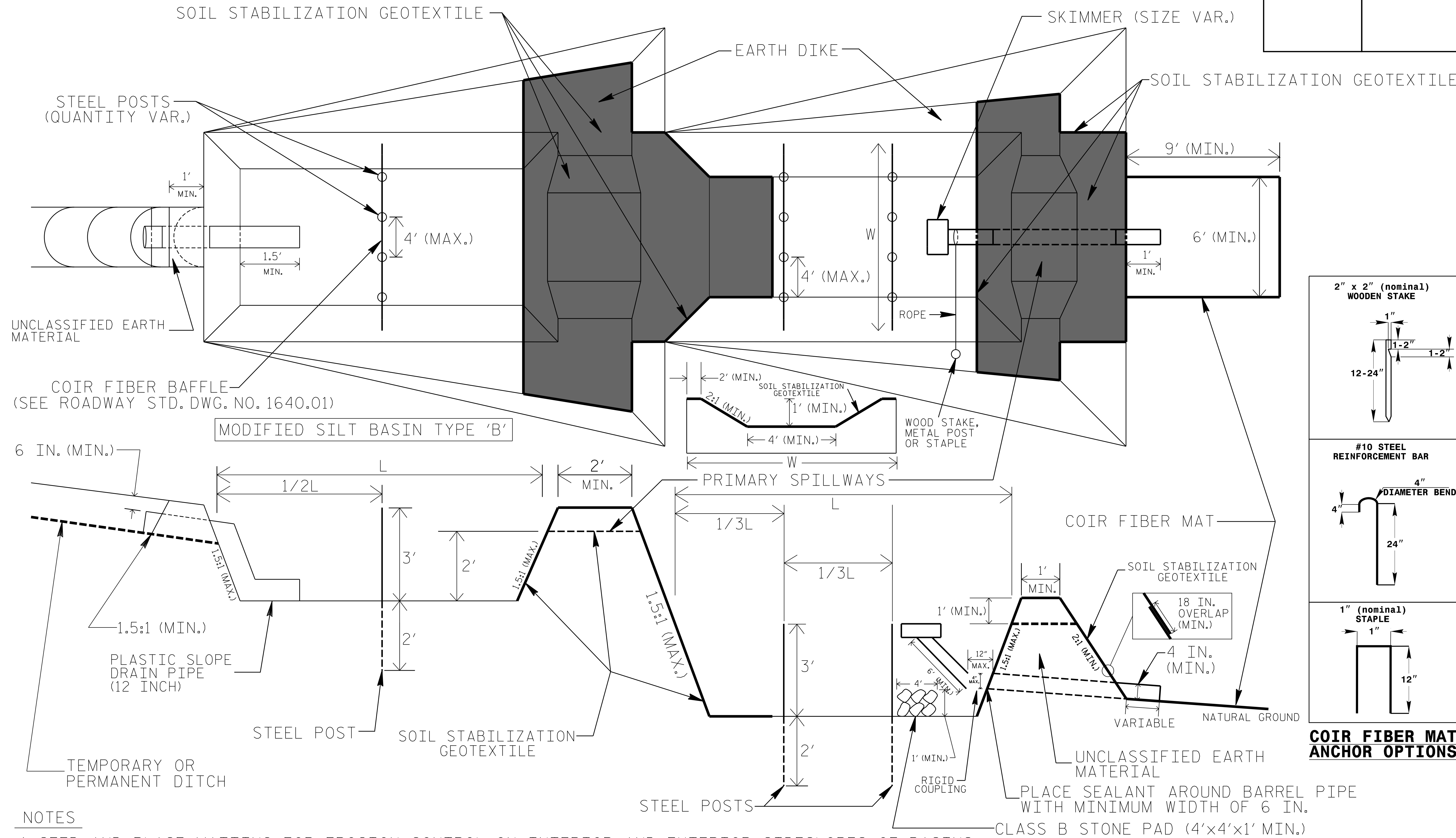
PLOT DRIVER: NCDOT.pdf_color_eng.50.pdf
 USER: WYELVERT
 FILE: Mott-McDonald.I.E.LLC.-Fuquoy-VorInc\MMIE_MST-2016_PD.O.NCDOT537\MMI.E.1759.W01.R5726.NC211\ID.G0.CAD.BIM.6.2.WorK.In.Progess\R-5726.Erosion.Control\R5726-EC.DETAILS.dgn
 PENTABLE: NCDOT_EC.C&G_BW.tbl
 TIME: 3:30:54 PM
 DATE: 2/7/2022

TIERED SKIMMER BASIN DETAIL



HDR Engineering, Inc. of the Carolinas
555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

PROJECT REFERENCE NO. <i>R-5726A</i>	SHEET NO. <i>EC-2D</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



COIR FIBER MAT ANCHOR OPTIONS

NOTES

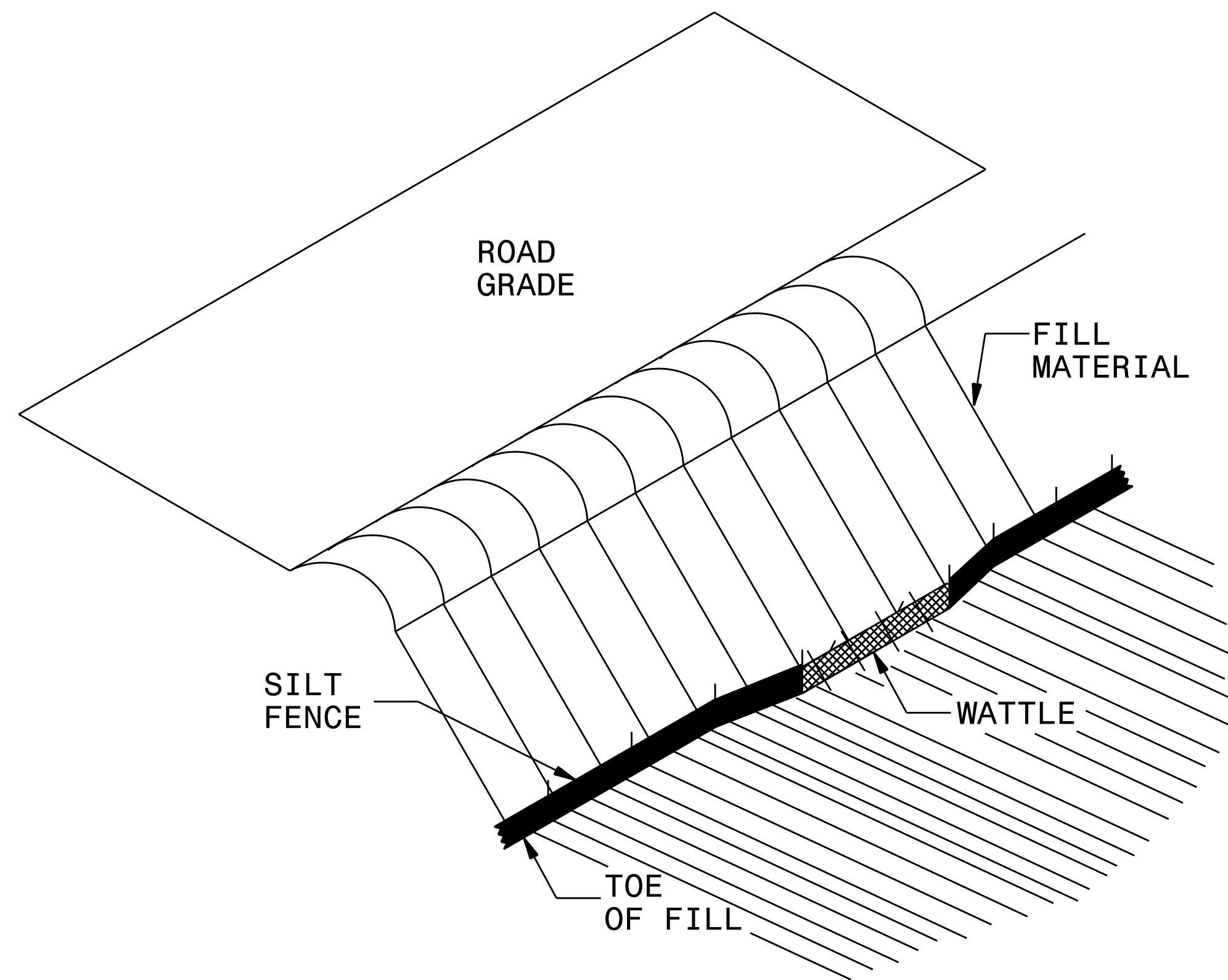
1. SEED AND PLACE MATTING FOR EROSION CONTROL ON INTERIOR AND EXTERIOR SIDESLOPES OF BASINS.
2. LIMIT HEIGHT OF EARTH DIKES TO 5 FT.
3. ADDITIONAL MODIFIED SILT BASINS TYPE 'B' MAY BE NEEDED DEPENDING ON SLOPE.
4. FOR BASIN DEPTHS OF 3FT., THE MINIMUM BASIN WIDTHS SHALL BE 9 FT.
5. DETERMINE PRIMARY SPILLWAY WEIR LENGTHS (FT.) USING $Q/0.8$, WHERE Q IS FLOW RATE (CFS) INTO UPPER BASIN.
6. SOIL STABILIZATION GEOTEXTILE FOR PRIMARY SPILLWAYS SHALL BE ONE CONTINUOUS PIECE OF MATERIAL OR OVERLAPPED 18 IN. (MIN.).

NOT TO SCALE

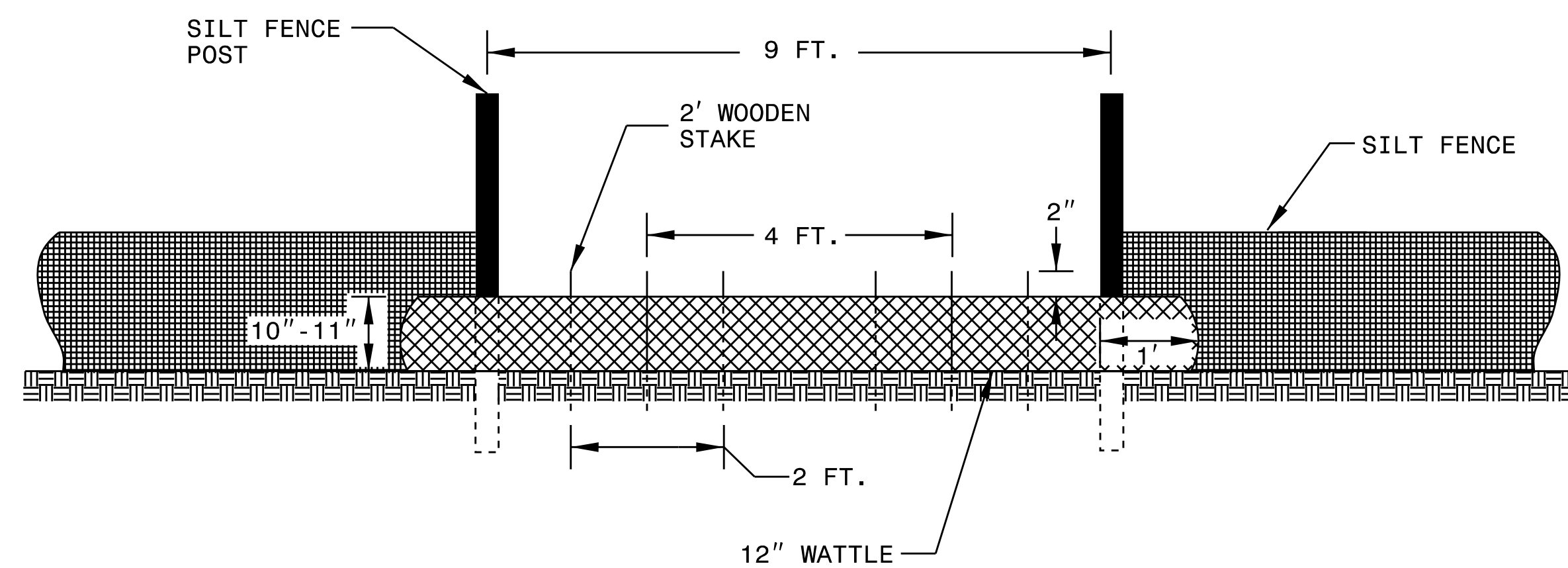
PLOT DRIVER: NCDOT.pdf_color_eng_50dpi
 USER: WYELVERT
 FILE: Mott-McDonald, I.E., LLC - Fuquoy, Vortino, MMIE, MST-2016.PD.G.
 PENTABLE: NCDOT_TSH.tbi
 TIME: 3:33:17 PM
 DATE: 2/7/2022
 In: Progress: R-5726 Erosion Control R5726-EC-DETAILS.dgn

PROJECT REFERENCE NO. <i>R-5726A</i>	SHEET NO. <i>EC-2E</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

SILT FENCE WATTLE BREAK DETAIL



ISOMETRIC VIEW

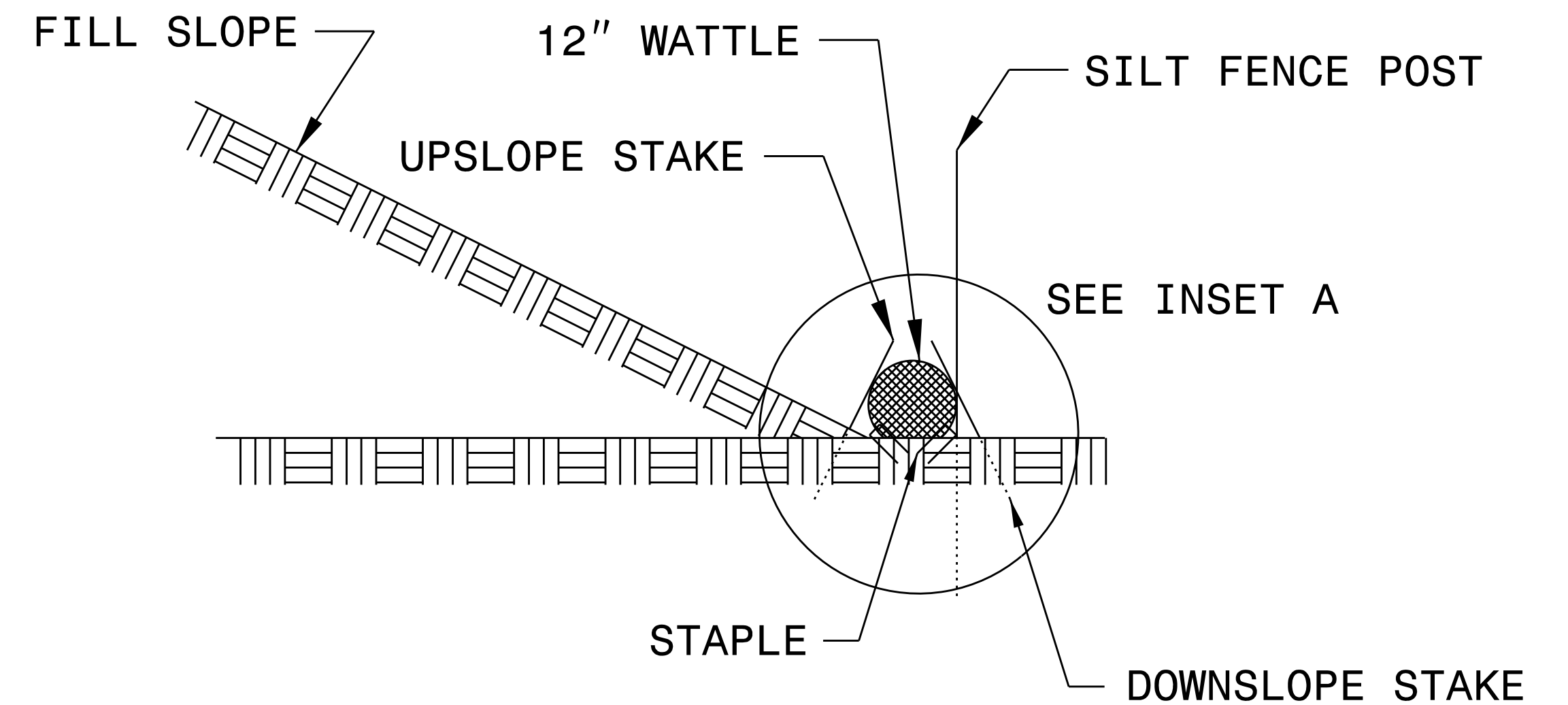
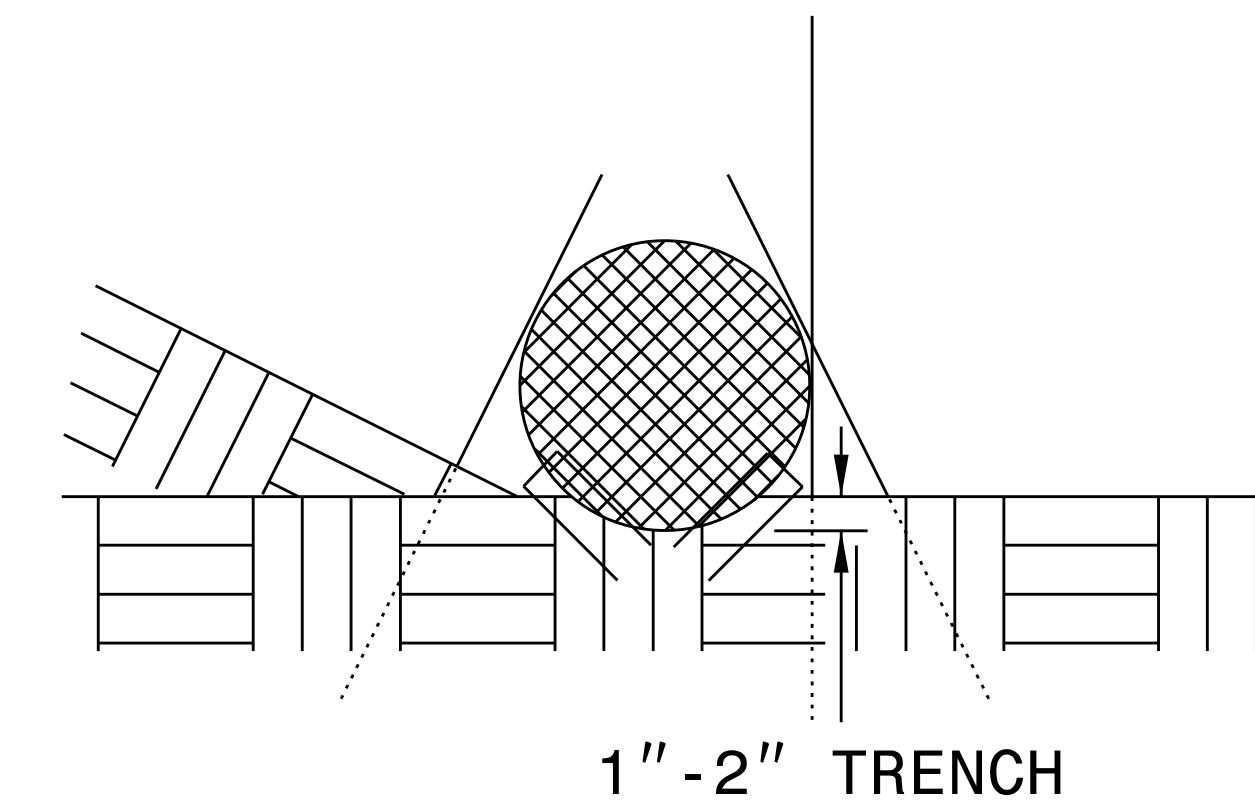


VIEW FROM SLOPE

NOTES:

- USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE AND LENGTH OF 10 FT.
- EXCAVATE A 1 TO 2 INCH TRENCH FOR WATTLE TO BE PLACED.
- DO NOT PLACE WATTLE ON TOE OF SLOPE.
- USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.
- INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO GROUND.
- PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.
- INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.
- WATTLE INSTALLATION CAN BE ON OUTSIDE OF THE SILT FENCE AS DIRECTED.
- INSTALL TEMPORARY SILT FENCE IN ACCORDANCE WITH SECTION 1605 OF THE STANDARD SPECIFICATIONS.

INSET A



SIDE VIEW

ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
-------------------------	---------------------

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 (HOW) 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 HOW ZONES.

Building Removal #	Station	Parcel #	Description
1	-L- 30+17 +/- LT	17, 22	1 Story Business (14,491 sf)
2	-L- 32+67 +/- LT	23, 24	2 Story Business (4,379 sf)
3	-L- 47+00 +/- RT	39	1 Story Business (1,559 sf)
4	-L- 53+60 +/- RT	44	1 Story House (1,406 sf)
5	-L- 66+90 +/- RT	53	1 Story Shed (573 sf)
6	-L- 119+50 +/- RT	62	1 Story Church (3,638 sf)
7	-L- 120+40 +/- RT	63	1 Story Shed (97 sf)
8	-L- 121+90 +/- RT	64	1 Story Shed (95 sf)
9	-L- 121+95 +/- RT	64	1 Story Garage (524 sf)
10	-L- 122+30 +/- RT	64	1 Story House (1,274 sf)
11	-L- 123+55 +/- RT	65	1 Story House (969 sf)
12	-L- 124+36 +/- RT	65	1 Story House Trailer (1,248 sf)
13	-L- 125+10 +/- RT	65	1 Story Metal Shelter (880 sf)
14	-L- 128+25 +/- RT	67	1 Story Ice Kiosk (200 sf)
15	-L- 128+55 +/- RT	68	1 Story ATM (114 sf)
16	-L- 129+45 +/- RT	68	2 Story Business (2,103 sf)
17	-L- 130+35 +/- RT	69	1 Story Business (2,984 sf)
18	-L- 130+70 +/- RT	69	1 Story Metal Canopy (Gas Pumps) (1,135 sf)
19	-L- 136+50 +/- RT	73	1 Story Business (4,916 sf)
20	-L- 159+50 +/- RT	89	1 Story House (1,257 sf)
21	-L- 161+10 +/- RT	90	1 Story House (1,153 sf)
22	-L- 162+15 +/- RT	90	1 Story House (772 sf)
23	-L- 163+00 +/- RT	90	1 Story Shed (143 sf)
24	-L- 163+50 +/- RT	90	1 Story House (1,748 sf)
25	-L- 164+80 +/- RT	90	1 Story Shed (182 sf)
26	-L- 194+05 +/- RT	91	1 Story Shed (352 sf)
27	-L- 198+95 +/- LT	101	1 Story House (1,107 sf)
28	-L- 199+05 +/- LT	101	1 Story Well (63 sf)
29	-L- 208+40 +/- RT	102	1 Story Metal Barn (2,379 sf)
30	-L- 211+90 +/- RT	102	1 Story Business (1,122 sf)
31	-L- 213+40 +/- RT	102	1 Story Shed (161 sf)
32	-L- 222+80 +/- RT	106	1 Story House (1,047 sf)

PLOT DRIVER: NCDOT_pdf_color_eng_50.plt
 USER: WYELVERT
 FILE: Mott_MacDonald_I.E.L.L.C. - Fuquay_Ver.Ino\MMIE.MSI_2016_PD_0_NCDOT7537\MMIE_E.1759.W01_R5726_NC211\WD\6.0_CAD_BIM\6.2_Work_In_Progress\R-5726\Erosion_Contr.ola\R5726_EC_MATTING.dgn
 PENTABLE: NCDOT_TSH.tbl
 TIME: 3:36:12 PM
 SCALE: 1:398.182

8/17/99

PROJECT REFERENCE NO. R-5726A	SHEET NO. EC-4CONST. 4
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 4

NAD 83/NA 2011

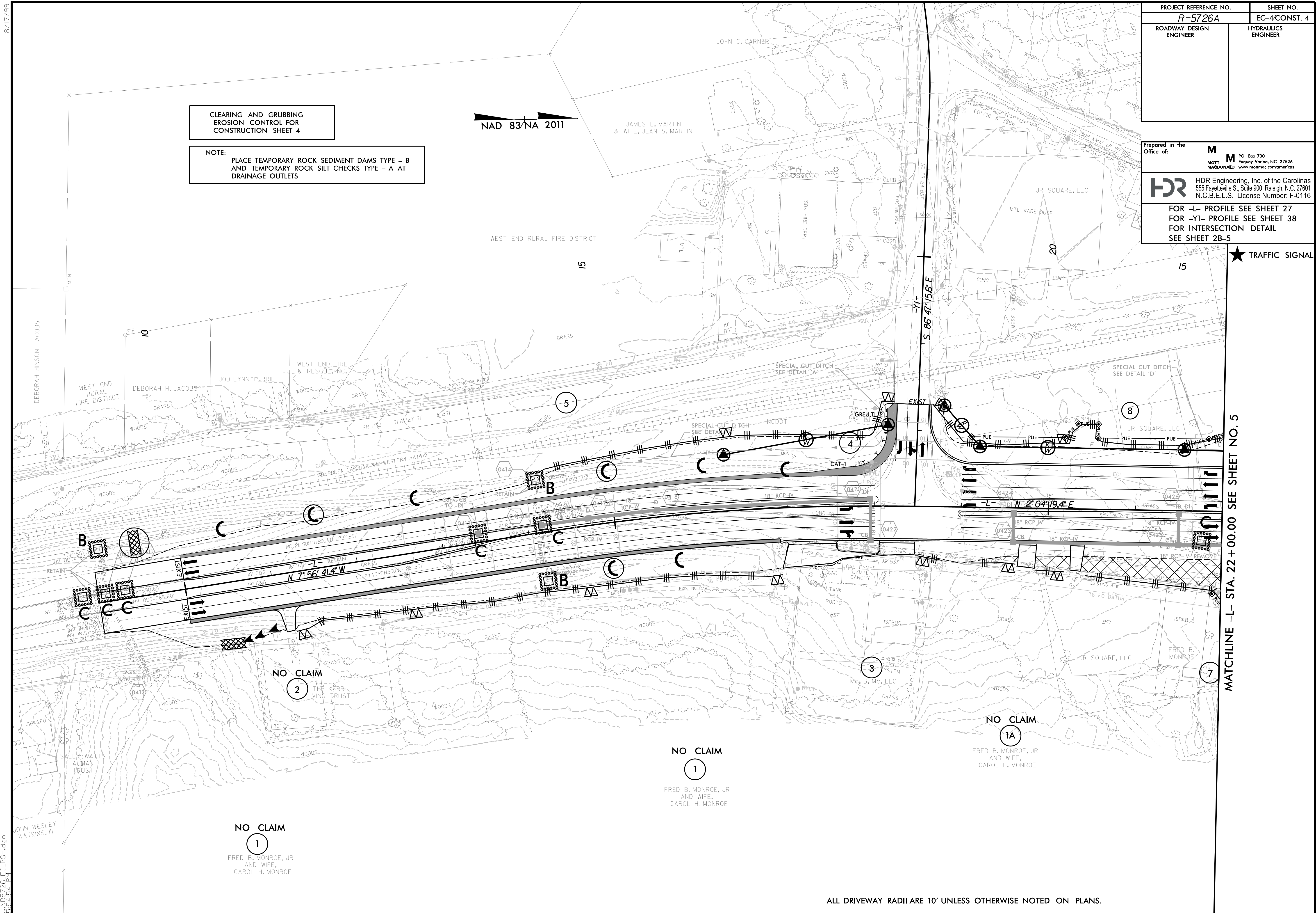
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.

Prepared in the Office of:

M MOTT MACDONALD
PO Box 700
Fuquay-Varina, NC 27526
www.mottmac.com/americas

HDR HDR Engineering, Inc. of the Carolinas
555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

FOR -L- PROFILE SEE SHEET 27
FOR -Y1- PROFILE SEE SHEET 38
FOR INTERSECTION DETAIL SEE SHEET 2B-5



MATCHLINE -L- STA. 22 + 00.00 SEE SHEET NO. 5

★ TRAFFIC SIGNAL

NO CLAIM
1
FRED B. MONROE, JR
AND WIFE,
CAROL H. MONROE

NO CLAIM
1
FRED B. MONROE, JR
AND WIFE,
CAROL H. MONROE

NO CLAIM
1A
FRED B. MONROE, JR
AND WIFE,
CAROL H. MONROE

ALL DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED ON PLANS.

3/29/2022
R-5726A-EC-PSH.dgn
5:45:45 PM

8/17/19

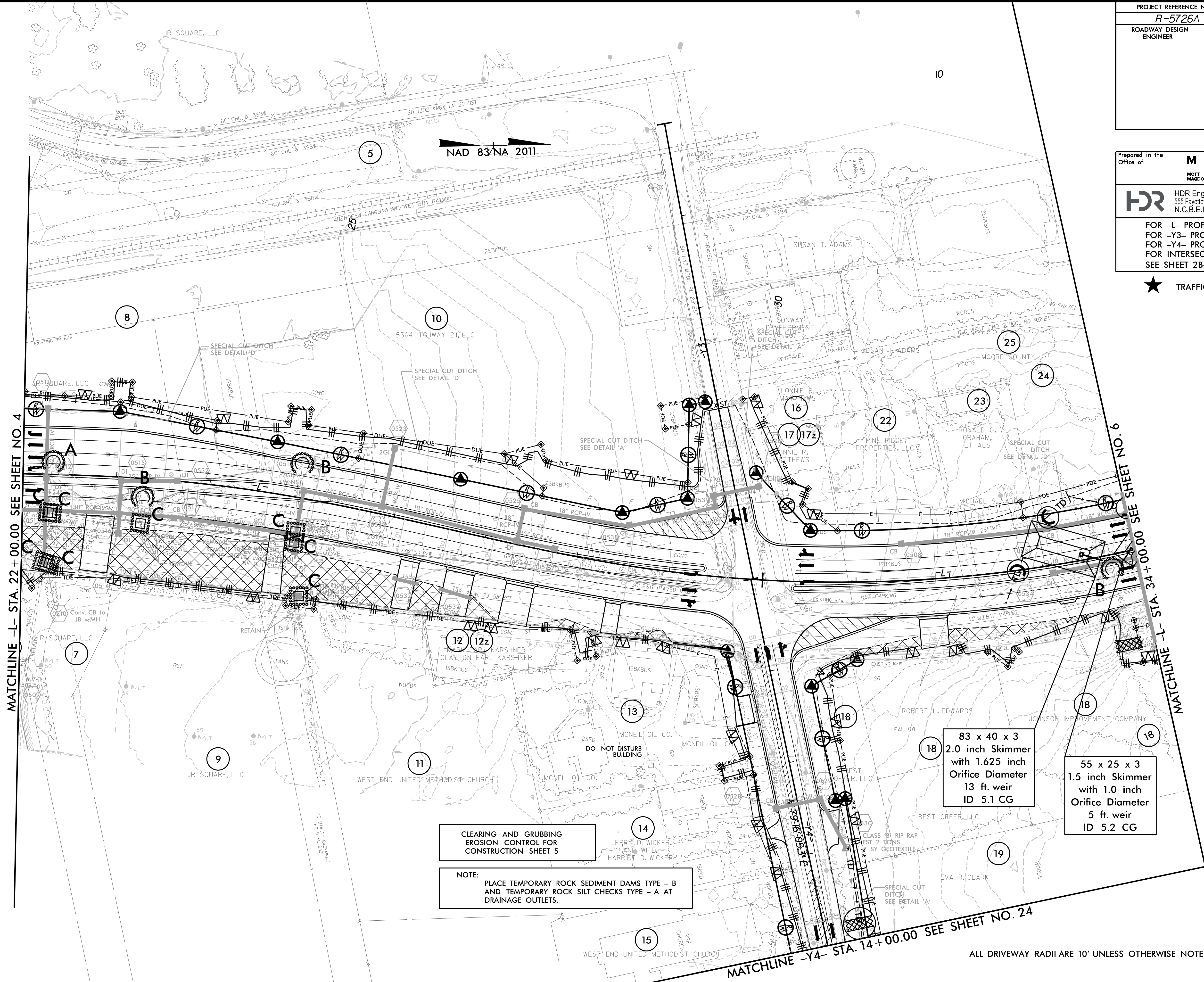
PROJECT REFERENCE NO. R-5726A	SHEET NO. EC-5/CONST. 5
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Prepared in the Office of: **M** MOTT MACDONALD
 PO Box 700
 Fuquay-Varina, NC 27526
 www.mottmac.com/america

HDR HDR Engineering, Inc. of the Carolinas
 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
 N.C.B.E.L.S. License Number: F-0116

FOR -L- PROFILE SEE SHEET 27
 FOR -Y3- PROFILE SEE SHEET 38
 FOR -Y4- PROFILE SEE SHEET 39
 FOR INTERSECTION DETAIL SEE SHEET 2B-5

★ TRAFFIC SIGNAL



MATCHLINE -L- STA. 22 + 00.00 SEE SHEET NO. 4

MATCHLINE -L- STA. 34 + 00.00 SEE SHEET NO. 6

MATCHLINE -Y4- STA. 14 + 00.00 SEE SHEET NO. 24

CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 5

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

83 x 40 x 3
 2.0 inch Skimmer
 with 1.625 inch
 Orifice Diameter
 13 ft. weir
 ID 5.1 CG

55 x 25 x 3
 1.5 inch Skimmer
 with 1.0 inch
 Orifice Diameter
 5 ft. weir
 ID 5.2 CG

ALL DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED ON PLANS.

2/17/2022 5:21:27 PM
 R-5726A-EC-PSH.dgn

PROJECT REFERENCE NO. R-5726A	SHEET NO. EC-6/CONST. 6
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Prepared in the Office of:

M MOTT MACDONALD
 PO Box 700
 Fuquay-Varina, NC 27526
 www.mottmac.com/america

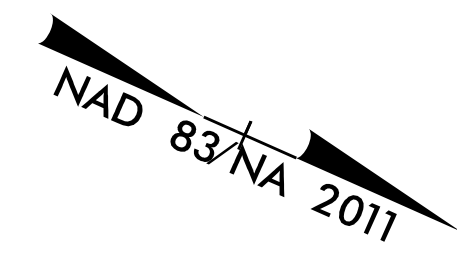
HDR HDR Engineering, Inc. of the Carolinas
 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
 N.C.B.E.L.S. License Number: F-0116

FOR -L- PROFILE SEE SHEET 28
 FOR -Y8- PROFILE SEE SHEET 39
 FOR -Y8A- PROFILE SEE SHEET 39
 FOR -Y9- PROFILE SEE SHEET 40
 FOR -Y10- PROFILE SEE SHEET 40

8/17/99
2/17/2022
5:21:34 PM
R-5726A-EC-PSH.dgn

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.

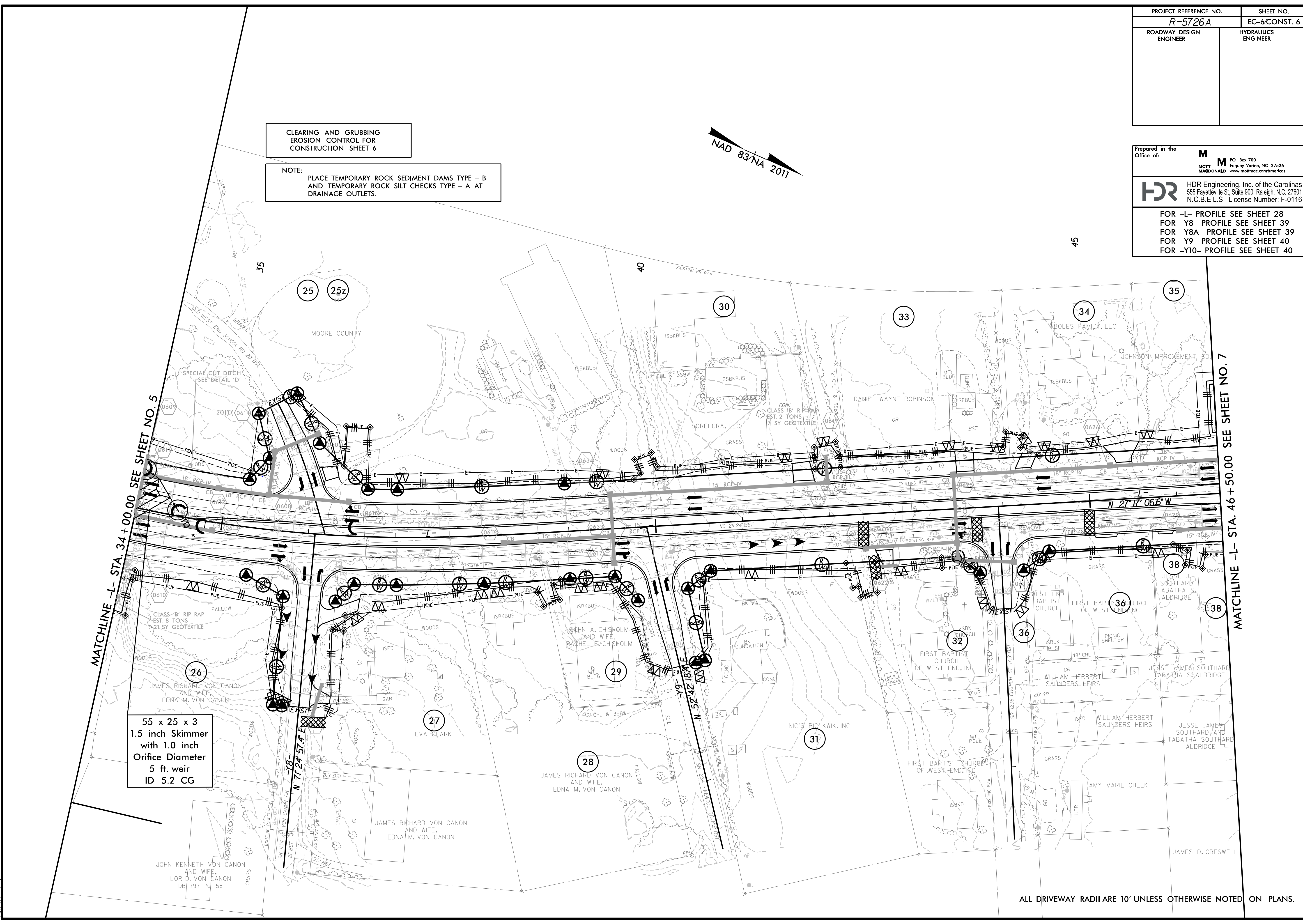


MATCHLINE -L- STA. 34+00.00 SEE SHEET NO. 5

MATCHLINE -L- STA. 46+50.00 SEE SHEET NO. 7

55 x 25 x 3
 1.5 inch Skimmer
 with 1.0 inch
 Orifice Diameter
 5 ft. weir
 ID 5.2 CG

ALL DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED ON PLANS.



PROJECT REFERENCE NO. R-5726A	SHEET NO. EC-7/CONST. 7
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Prepared in the Office of: **MOTT MACDONALD** PO Box 700 Fuquay-Varina, NC 27526 www.mottmac.com/americas

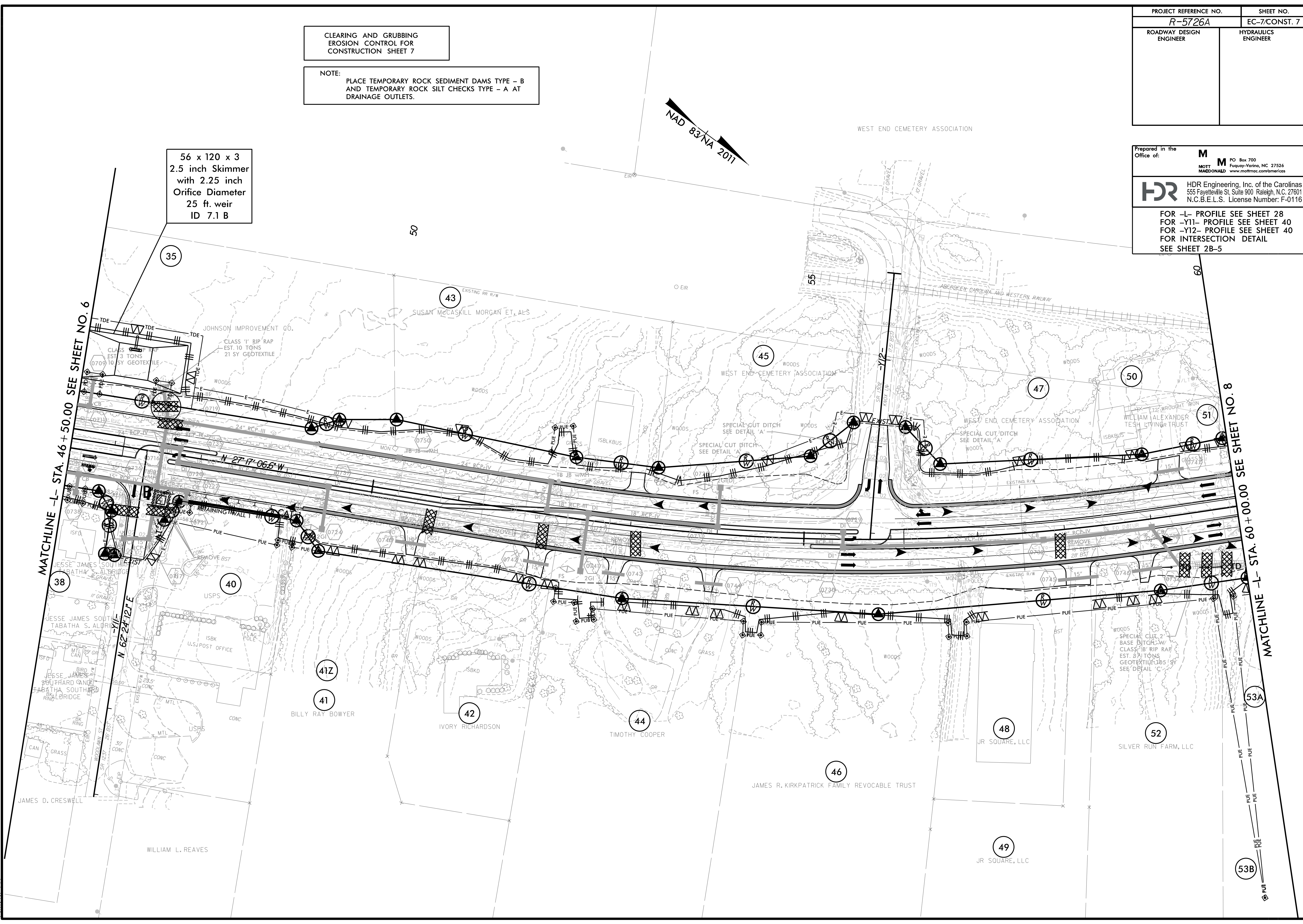
HDR HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116

FOR -L- PROFILE SEE SHEET 28
FOR -Y11- PROFILE SEE SHEET 40
FOR -Y12- PROFILE SEE SHEET 40
FOR INTERSECTION DETAIL SEE SHEET 2B-5

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 7

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

56 x 120 x 3
2.5 inch Skimmer
with 2.5 inch
Orifice Diameter
25 ft. weir
ID 7.1 B



MATCHLINE -L- STA. 46 + 50.00 SEE SHEET NO. 6

MATCHLINE -L- STA. 60 + 00.00 SEE SHEET NO. 8

8/17/99
2/17/2022
5:21:40 PM
R-5726-EC-PSH.dgn

PROJECT REFERENCE NO. R-5726A	SHEET NO. EC-8/CONST. 8
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Prepared in the Office of:

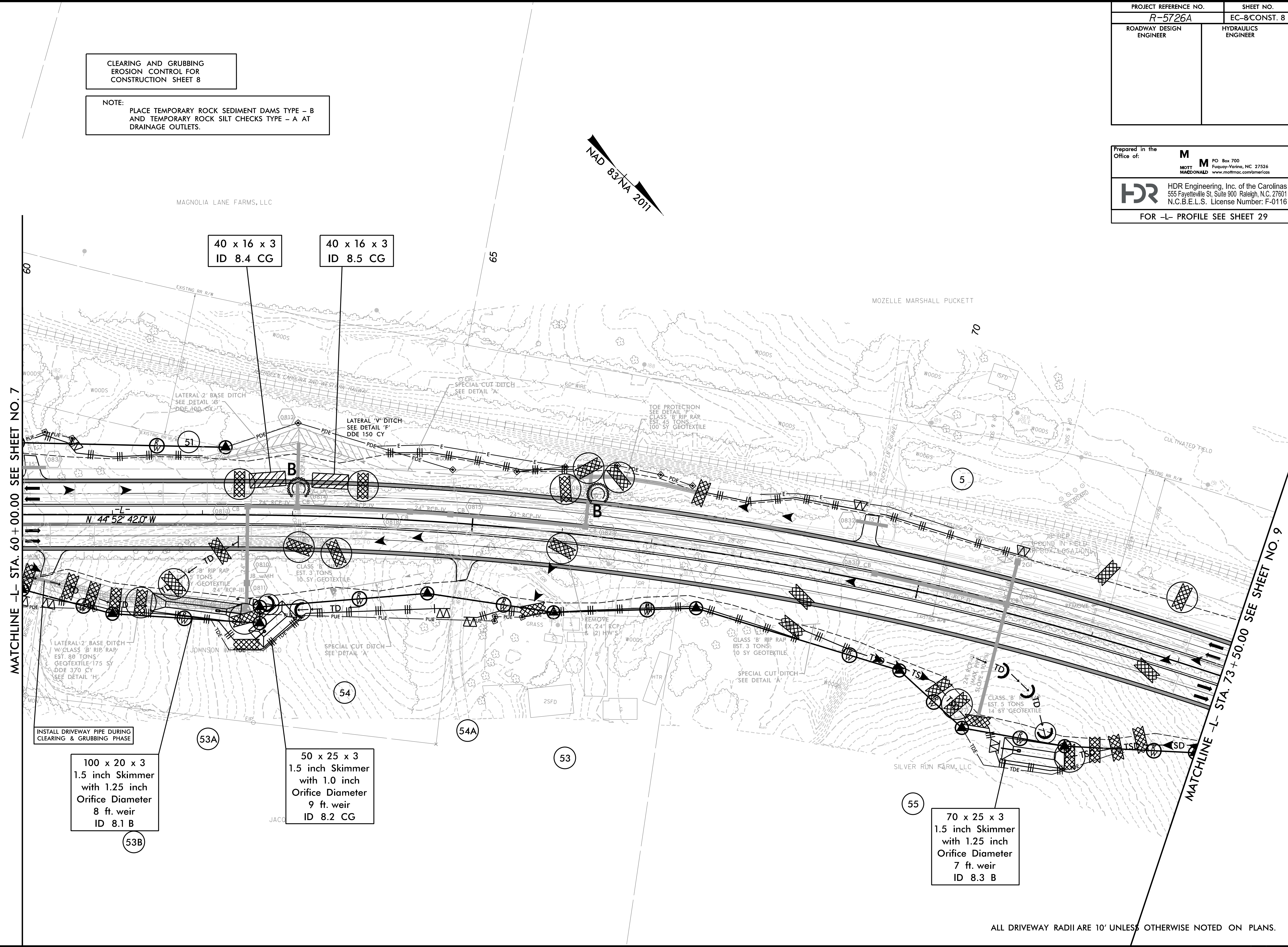
M MOTT MACDONALD
 PO Box 700
 Fuquay-Varina, NC 27526
 www.mottmac.com/americas

HDR HDR Engineering, Inc. of the Carolinas
 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
 N.C.B.E.L.S. License Number: F-0116

FOR -L- PROFILE SEE SHEET 29

CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 8

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



ALL DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED ON PLANS.

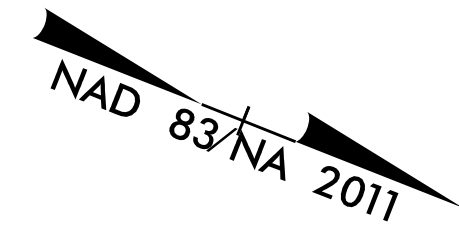
8/17/99
 2/17/2022
 5:31:46 PM
 R-5726A-EC_PSH.dgn
 5/21/24 PM

8/17/99

PROJECT REFERENCE NO. R-5726A	SHEET NO. EC-9/CONST. 9
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 9

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

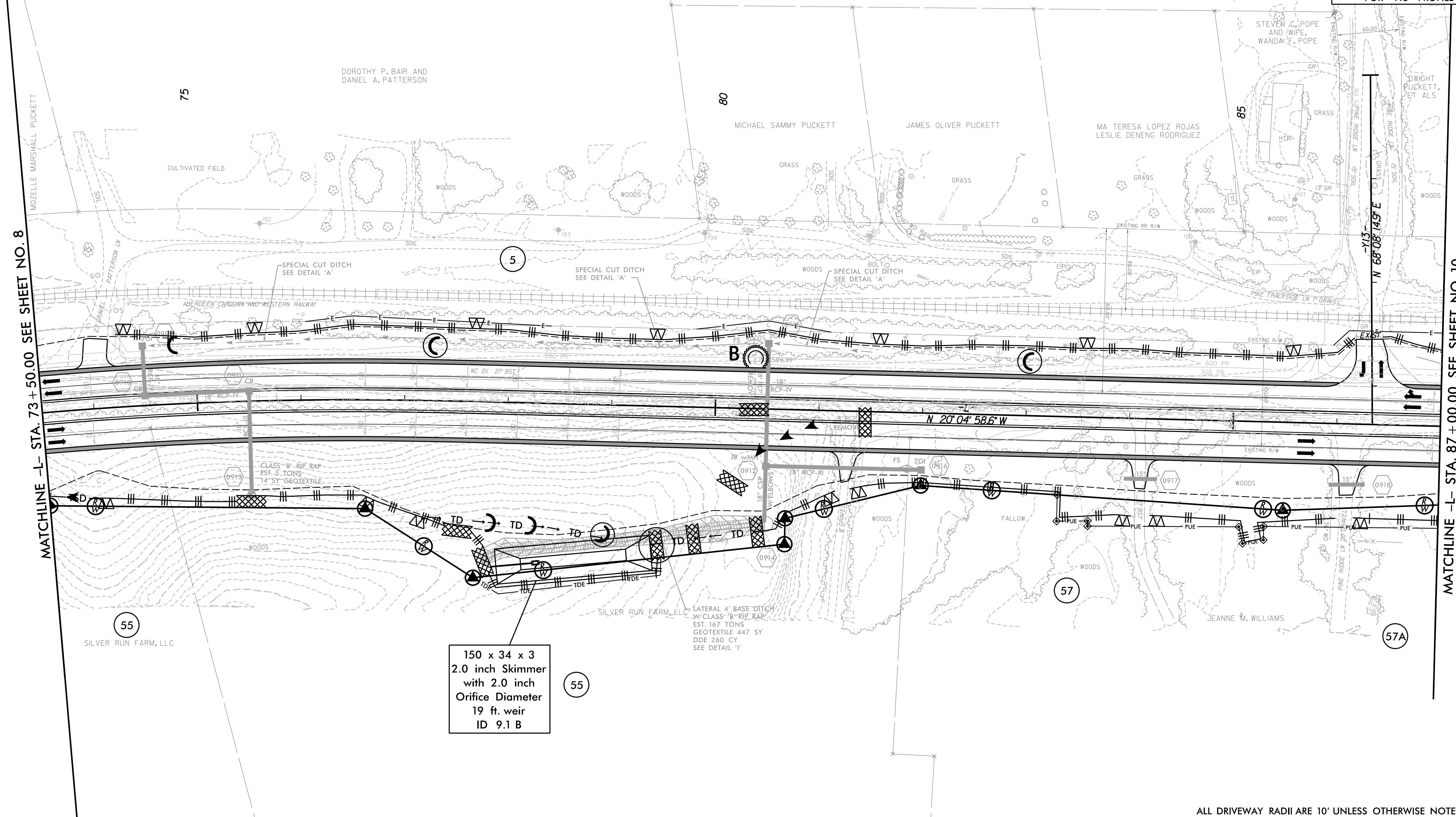


Prepared in the Office of:

M MOTT MACDONALD
PO Box 700
Fuquay-Varina, NC 27526
www.mottmac.com/americas

HDR HDR Engineering, Inc. of the Carolinas
555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

FOR -L- PROFILE SEE SHEET 29
FOR -Y13- PROFILE SEE SHEET 40



MATCHLINE -L- STA. 73 + 50.00 SEE SHEET NO. 8

MATCHLINE -L- STA. 87 + 00.00 SEE SHEET NO. 10

150 x 34 x 3
2.0 inch Skimmer
with 2.0 inch
Orifice Diameter
19 ft. weir
ID 9.1 B

55

57

57A

2/17/2022
5:21:57 PM
R-5726A_EC_PSH.dgn

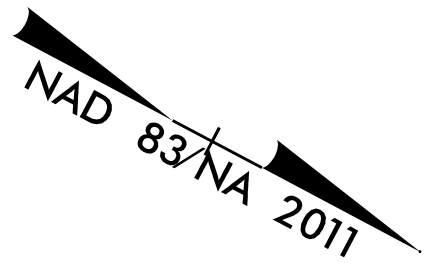
ALL DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED ON PLANS.

8/17/99

PROJECT REFERENCE NO. R-5726A	SHEET NO. EC-10/CONST. 10
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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.



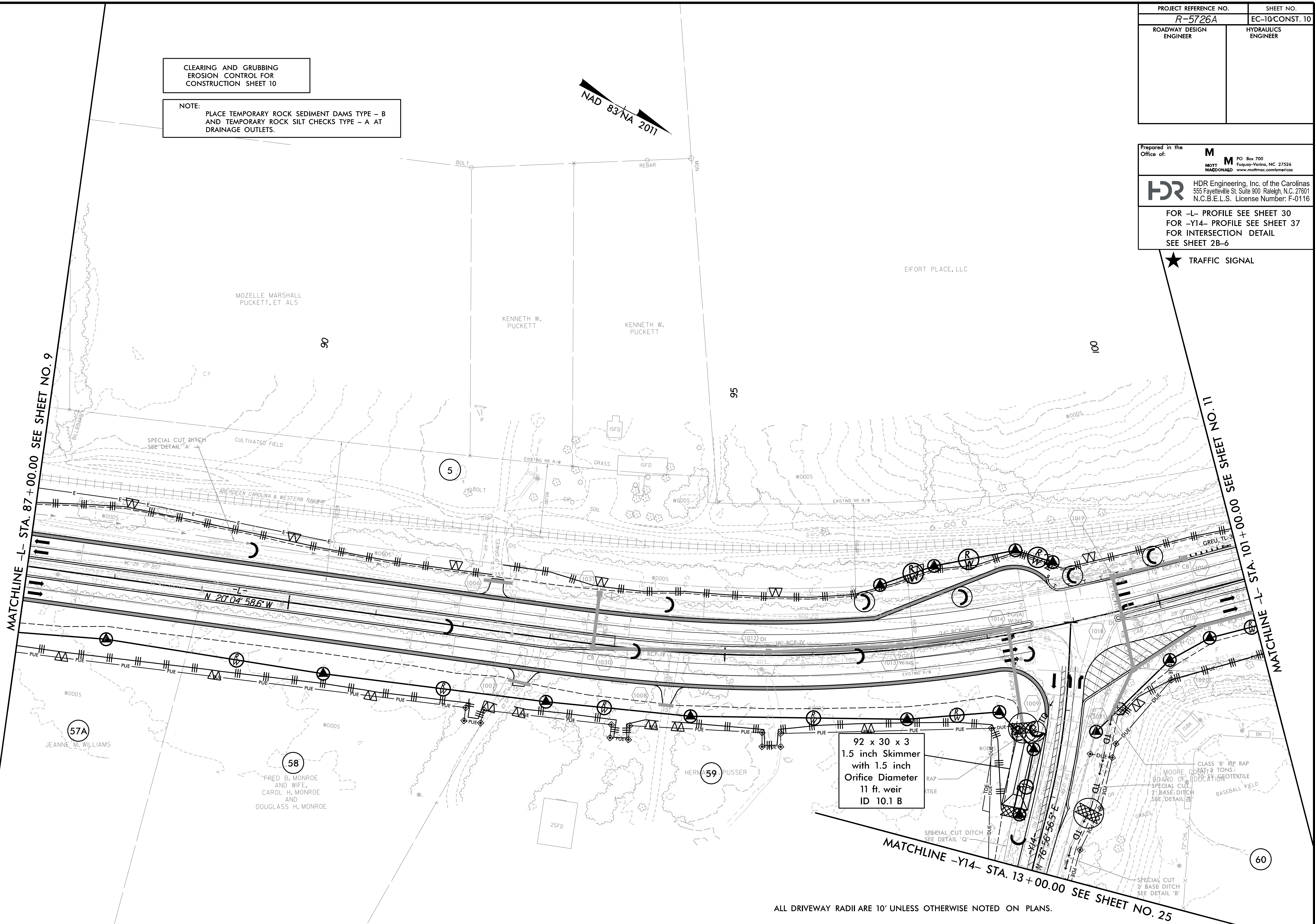
Prepared in the Office of:

M MOTT MACDONALD
PO Box 700
Fuquay-Varina, NC 27526
www.mottmac.com/americas

HDR HDR Engineering, Inc. of the Carolinas
555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

FOR -L- PROFILE SEE SHEET 30
FOR -Y14- PROFILE SEE SHEET 37
FOR INTERSECTION DETAIL SEE SHEET 2B-6

★ TRAFFIC SIGNAL



92 x 30 x 3
1.5 inch Skimmer
with 1.5 inch
Orifice Diameter
11 ft. weir
ID 10.1 B

ALL DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED ON PLANS.

2/17/2022
5:21:56 PM
R-5726A-EC-PSH.dgn

8/17/99

PROJECT REFERENCE NO. R-5726A	SHEET NO. EC-1VCONST. 11
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 11

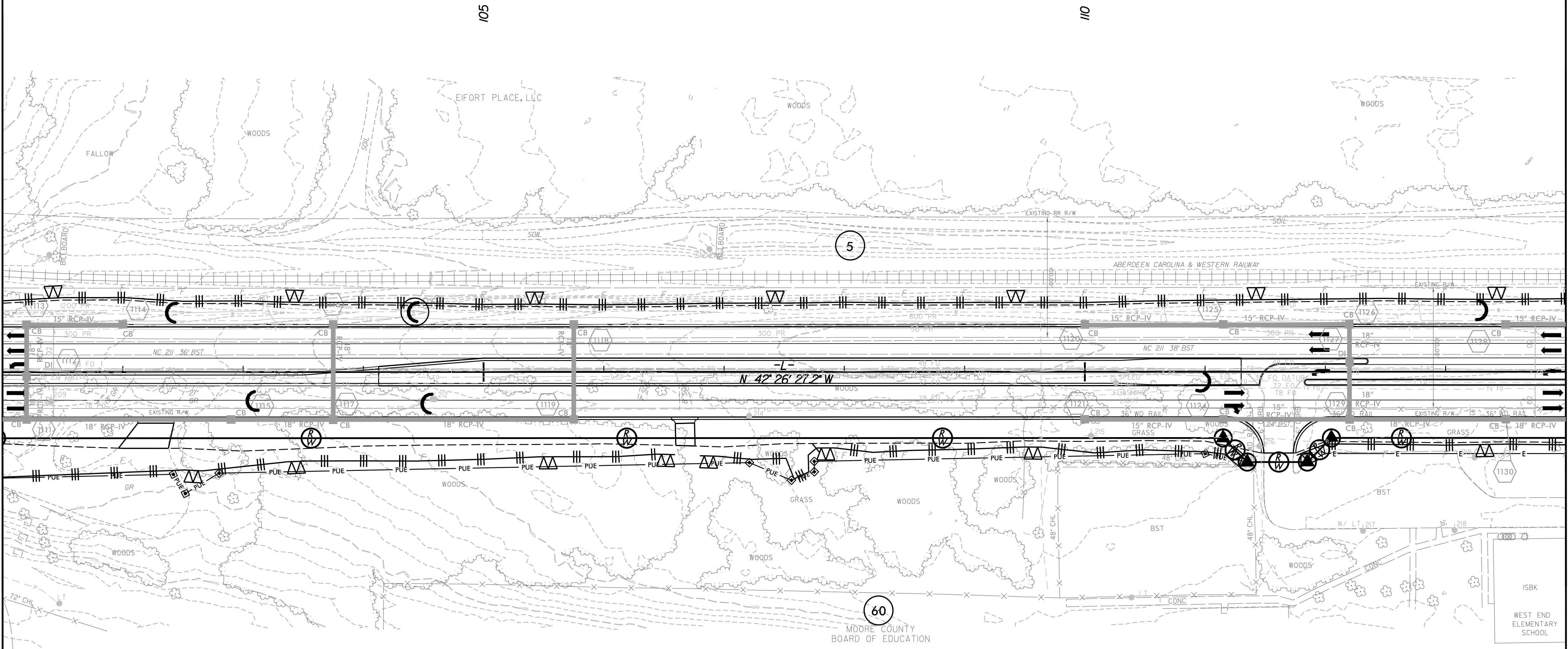
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.



Prepared in the Office of:	M MOTT MACDONALD	PO Box 700 Fuquay-Varina, NC 27526 www.mottmac.com/americas
HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116		
FOR -L- PROFILE SEE SHEET 30 FOR INTERSECTION DETAIL SEE SHEET 2B-6		

MATCHLINE -L- STA. 101 + 00.00 SEE SHEET NO. 10

MATCHLINE -L- STA. 114 + 00.00 SEE SHEET NO. 12



2/17/2022
5:52:05 PM
R-5726A-EC-PSH.dgn

ALL DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED ON PLANS.

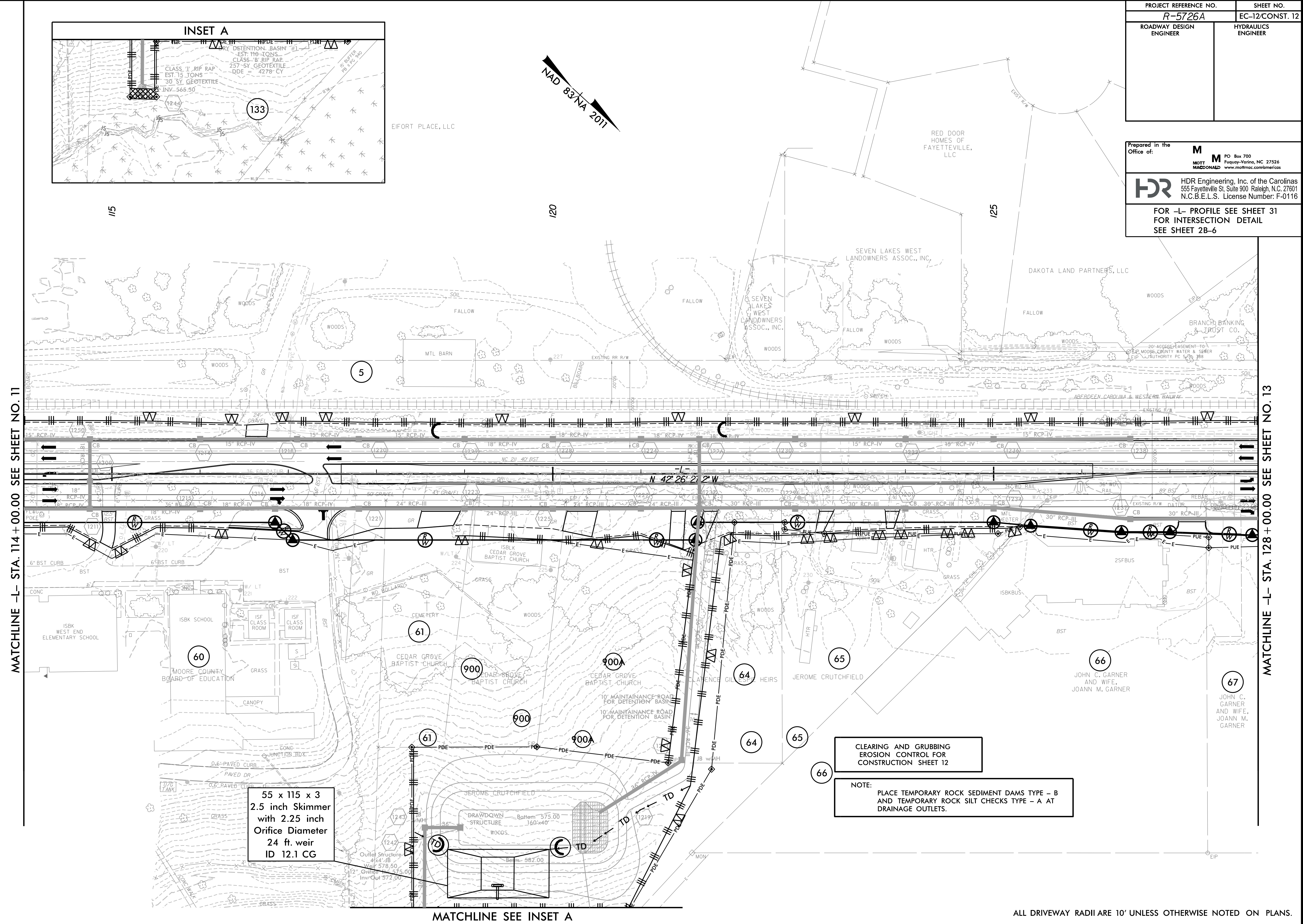
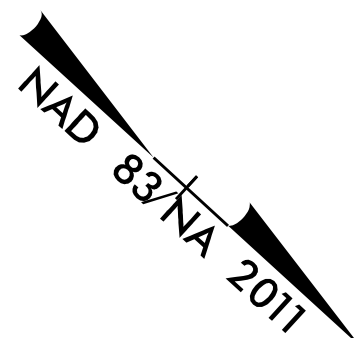
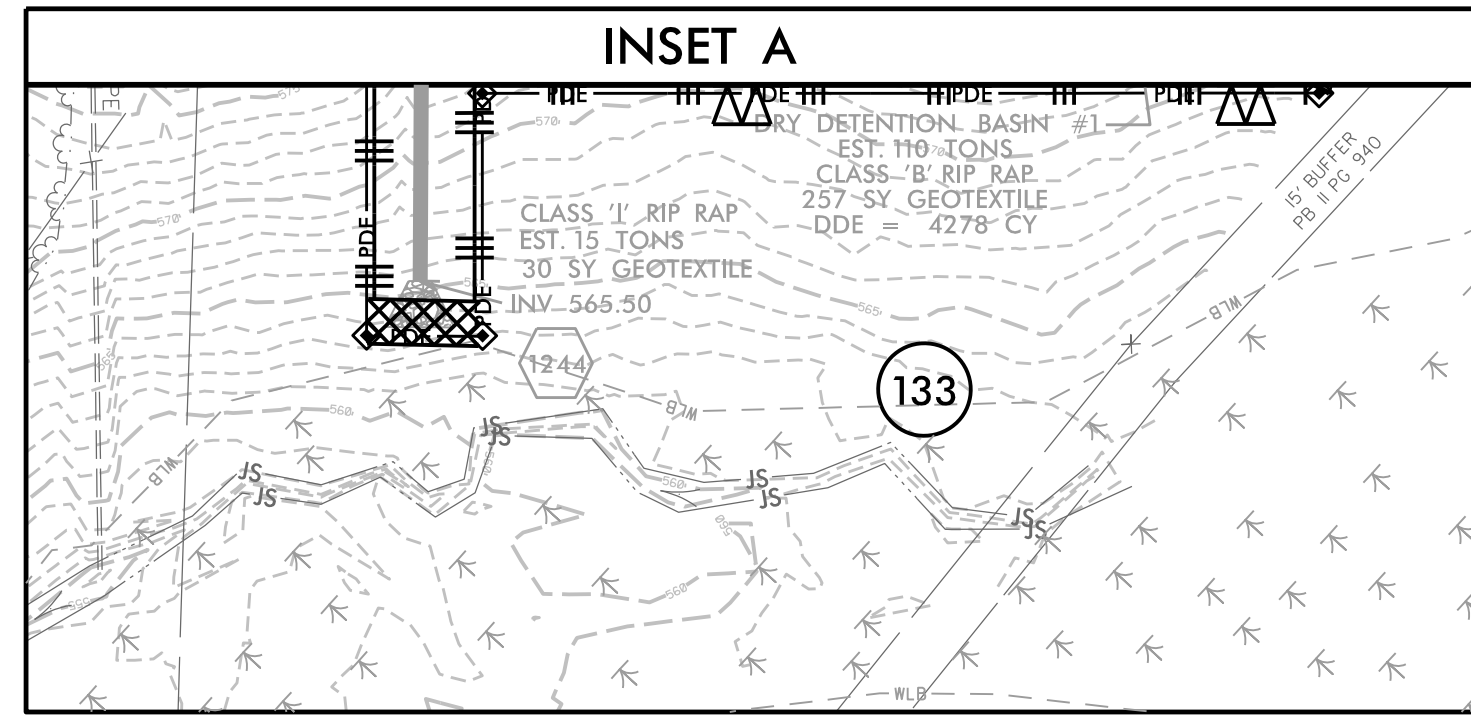
8/17/99

PROJECT REFERENCE NO. R-5726A	SHEET NO. EC-12/CONST. 12
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Prepared in the Office of:
M MOTT MACDONALD
 PO Box 700
 Fuquay-Varina, NC 27526
 www.mottmac.com/americas

HDR HDR Engineering, Inc. of the Carolinas
 555 Fayetteville St., Suite 900 Raleigh, N.C. 27601
 N.C.B.E.L.S. License Number: F-0116

FOR -L- PROFILE SEE SHEET 31
 FOR INTERSECTION DETAIL SEE SHEET 2B-6



MATCHLINE -L- STA. 114 + 00.00 SEE SHEET NO. 11

MATCHLINE -L- STA. 128 + 00.00 SEE SHEET NO. 13

55 x 115 x 3
 2.5 inch Skimmer
 with 2.25 inch
 Orifice Diameter
 24 ft. weir
 ID 12.1 CG

CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 12

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

MATCHLINE SEE INSET A

ALL DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED ON PLANS.

2/17/2022 5:53:21 PM EC_PSH.dgn

8/17/99

PROJECT REFERENCE NO. R-5726A	SHEET NO. EC-13/CONST. 13
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 13

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

Prepared in the Office of: **M** MOTT MACDONALD

PO Box 700
Fuquay-Varina, NC 27526
www.mottmac.com/america

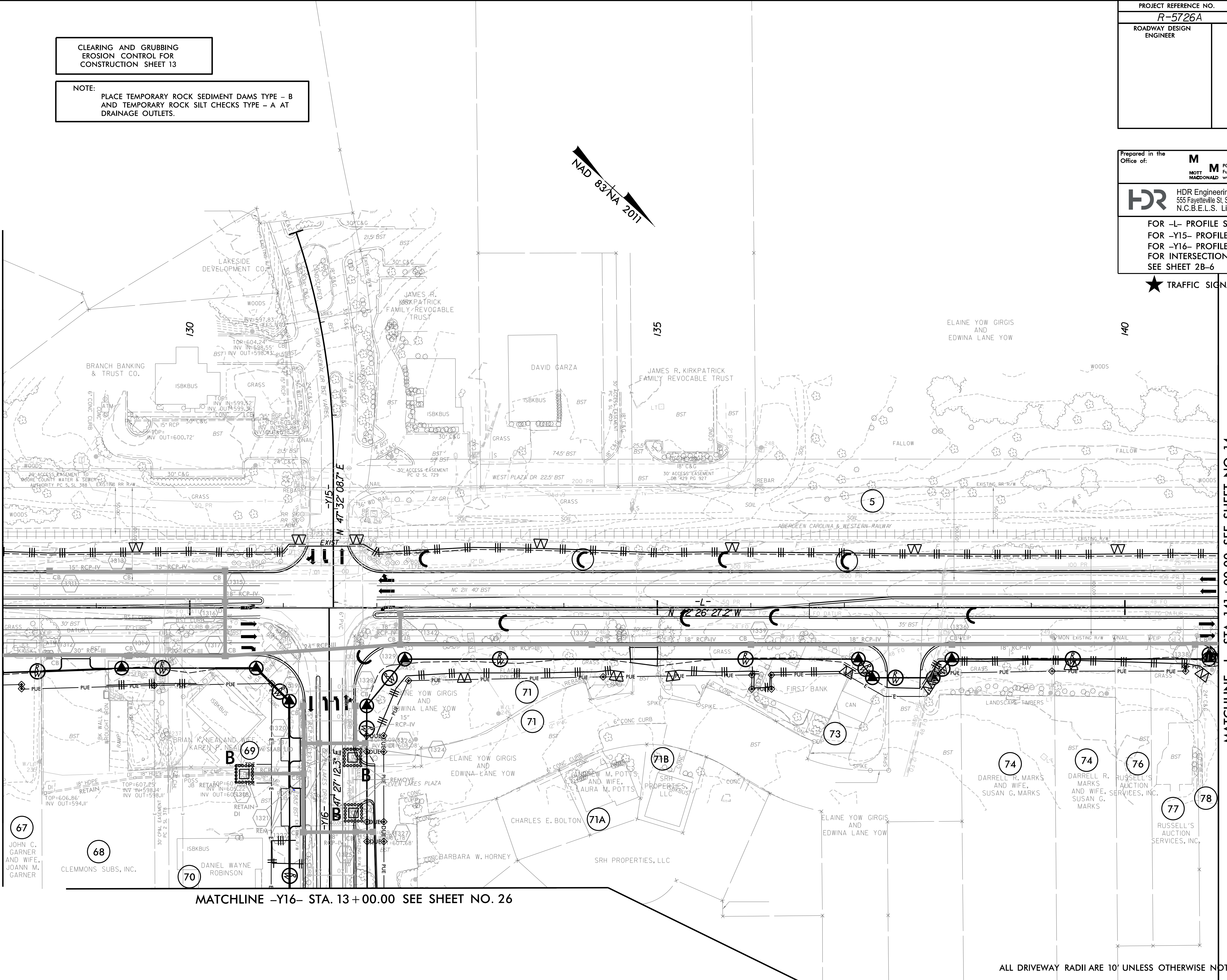
HDR HDR Engineering, Inc. of the Carolinas
555 Fayetteville St., Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

FOR -L- PROFILE SEE SHEET 31
FOR -Y15- PROFILE SEE SHEET 41
FOR -Y16- PROFILE SEE SHEET 41
FOR INTERSECTION DETAIL
SEE SHEET 2B-6

★ TRAFFIC SIGNAL

MATCHLINE -L- STA. 128 + 00.00 SEE SHEET NO. 12

MATCHLINE -L- STA. 141 + 00.00 SEE SHEET NO. 14



MATCHLINE -Y16- STA. 13 + 00.00 SEE SHEET NO. 26

ALL DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED ON PLANS.

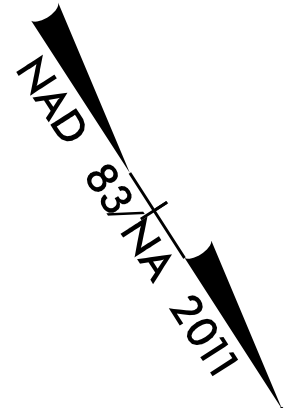
2/17/2022
5:24:48 PM
R-5726-EC-PSH.dgn

8/17/99

PROJECT REFERENCE NO. R-5726A	SHEET NO. EC-14/CONST. 14
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 14

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



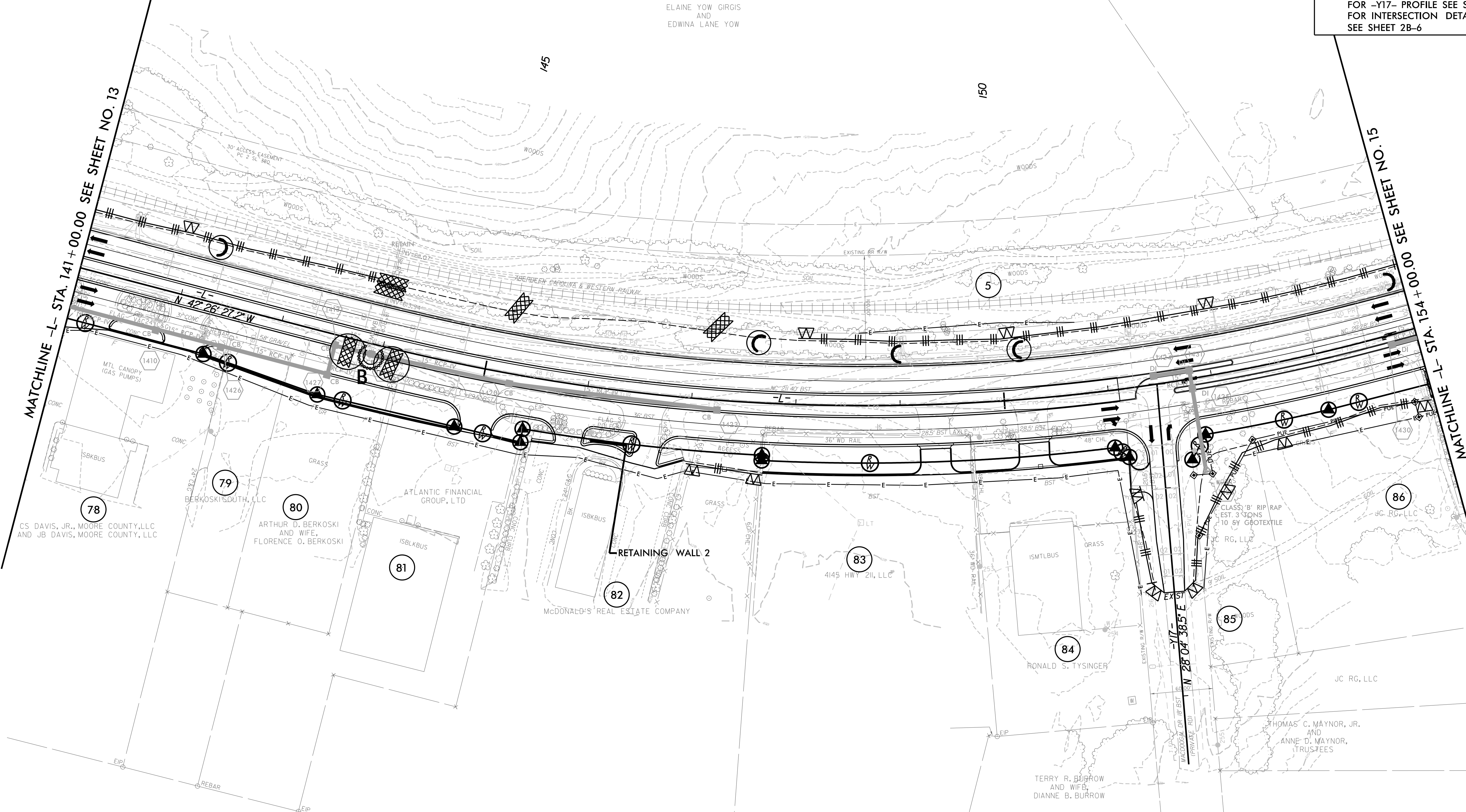
ELAINE AND EDWINA PROPERTIES

Prepared in the Office of:

M MOTT MACDONALD
PO Box 700
Fuquay-Varina, NC 27526
www.mottmac.com/americas

HDR HDR Engineering, Inc. of the Carolinas
555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

FOR -L- PROFILE SEE SHEET 32
FOR -Y17- PROFILE SEE SHEET 41
FOR INTERSECTION DETAIL SEE SHEET 2B-6



MATCHLINE -L- STA. 141+00.00 SEE SHEET NO. 13

MATCHLINE -L- STA. 154+00.00 SEE SHEET NO. 15

RETAINING WALL 2

ALL DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED ON PLANS.

2/17/2022
5:25:24 PM
R-5726A-EC-PSH.dgn

8/17/99

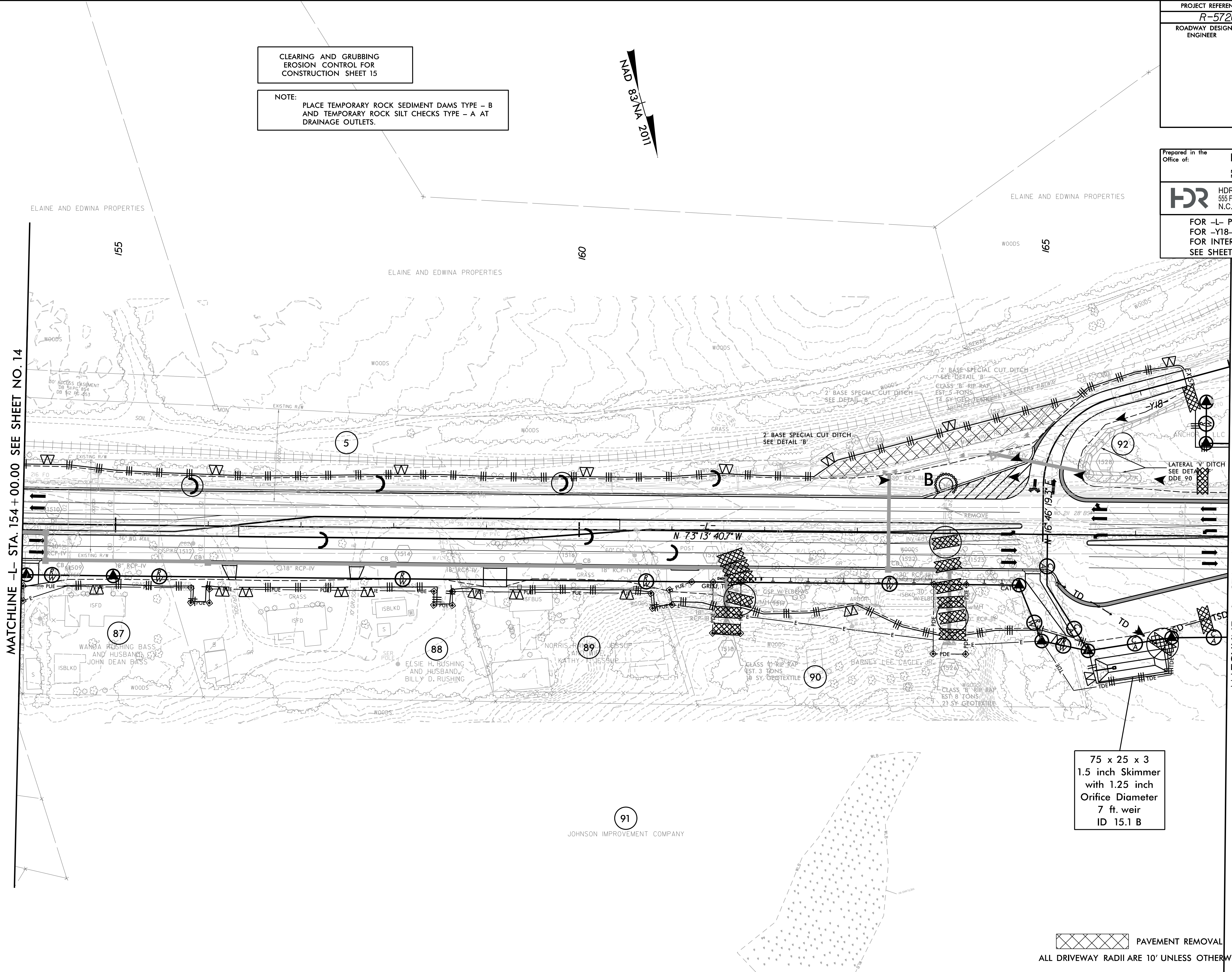
PROJECT REFERENCE NO. R-5726A	SHEET NO. EC-15/CONST. 15
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 15

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

NAD 83/NA 2011

Prepared in the Office of:	M MOTT MACDONALD PO Box 700 Fuquay-Varina, NC 27526 www.mottmac.com/americas
HDR	HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116
FOR -L- PROFILE SEE SHEET 32 FOR -Y18- PROFILE SEE SHEET 42 FOR INTERSECTION DETAIL SEE SHEET 2B-6	



75 x 25 x 3
1.5 inch Skimmer
with 1.25 inch
Orifice Diameter
7 ft. weir
ID 15.1 B

PAVEMENT REMOVAL

ALL DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED ON PLANS.

2/17/2022
5:24:36 PM
R-5726A-EC-PSH.dgn

8/17/99

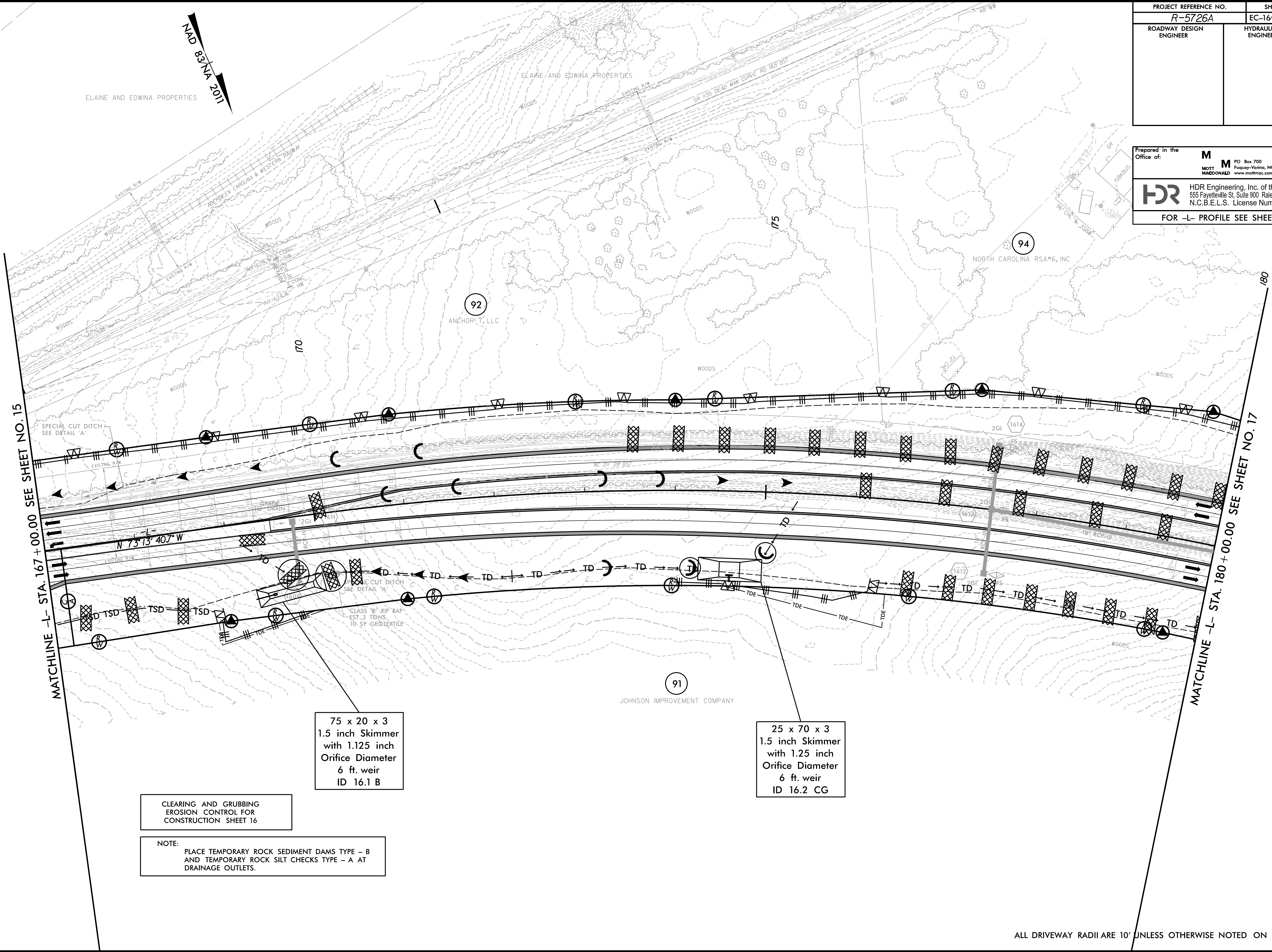
PROJECT REFERENCE NO. R-5726A	SHEET NO. EC-16/CONST. 16
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Prepared in the Office of:

M MOTT MACDONALD
 PO Box 700
 Fuquay-Varina, NC 27526
 www.mottmac.com/americas

HDR HDR Engineering, Inc. of the Carolinas
 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
 N.C.B.E.L.S. License Number: F-0116

FOR -L- PROFILE SEE SHEET 33



MAD 83°VA 2011

ELAINE AND EDWINA PROPERTIES

ELAINE AND EDWINA PROPERTIES

92 ANCHOR 7, LLC

94 NORTH CAROLINA RSA#6, INC

91 JOHNSON IMPROVEMENT COMPANY

MATCHLINE -L- STA. 167 + 00.00 SEE SHEET NO. 15

MATCHLINE -L- STA. 180 + 00.00 SEE SHEET NO. 17

75 x 20 x 3
 1.5 inch Skimmer
 with 1.125 inch
 Orifice Diameter
 6 ft. weir
 ID 16.1 B

25 x 70 x 3
 1.5 inch Skimmer
 with 1.25 inch
 Orifice Diameter
 6 ft. weir
 ID 16.2 CG

CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 16

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

2/17/2022
 5:24:36 PM
 R-5726-EC-PSH.dgn

ALL DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED ON PLANS.

PROJECT REFERENCE NO. R-5726A	SHEET NO. EC-17/CONST. 17
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Prepared in the Office of:	M MOTT MACDONALD PO Box 700 Fuquay-Varina, NC 27526 www.mottmac.com/americas
HDR	HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116
FOR -L- PROFILE SEE SHEET 33	

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 17

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

95 x 36 x 3
2.0 inch Skimmer
with 1.625 inch
Orifice Diameter
13 ft. weir
ID 17.7 B

Modified Silt Basin
Type 'B'
58 x 36 x 3
15 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 17.3 B

58 x 36 x 3
2.0 inch Skimmer
with 1.625 inch
Orifice Diameter
15 ft. weir
(See Tiered Skimmer
Basin Detail)
ID 17.3 B

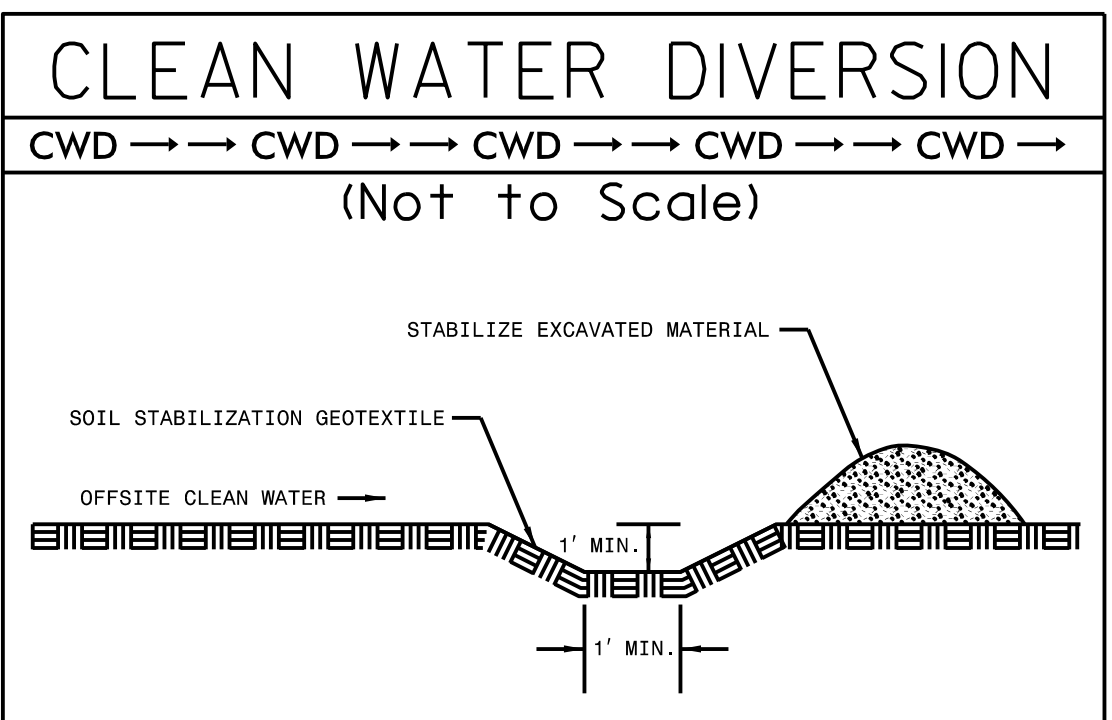
90 x 35 x 3
2.0 inch Skimmer
with 1.625 inch
Orifice Diameter
12 ft. weir
ID 17.1 CG

65 x 30 x 3
1.5 inch Skimmer
with 1.25 inch
Orifice Diameter
7 ft. weir
ID 17.2 B

45 x 22 x 3
1.5 inch Skimmer
with 0.875 inch
Orifice Diameter
4 ft. weir
ID 17.5 B

60 x 15 x 3
1.5 inch Skimmer
with 0.75 inch
Orifice Diameter
4 ft. weir
ID 17.6 B

46 x 23 x 3
1.5 inch Skimmer
with 0.875 inch
Orifice Diameter
4 ft. weir
ID 17.4 CG



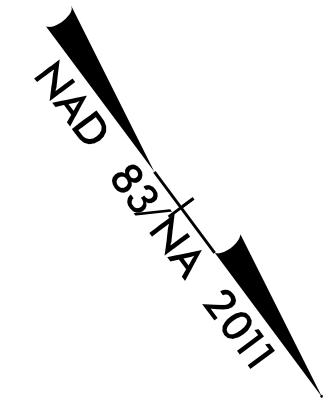
MATCHLINE -L- STA. 180+00.00 SEE SHEET NO. 16

MATCHLINE -L- STA. 193+00.00 SEE SHEET NO. 18

8/17/99

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 18

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



PROJECT REFERENCE NO. R-5726A	SHEET NO. EC-18/CONST. 18
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

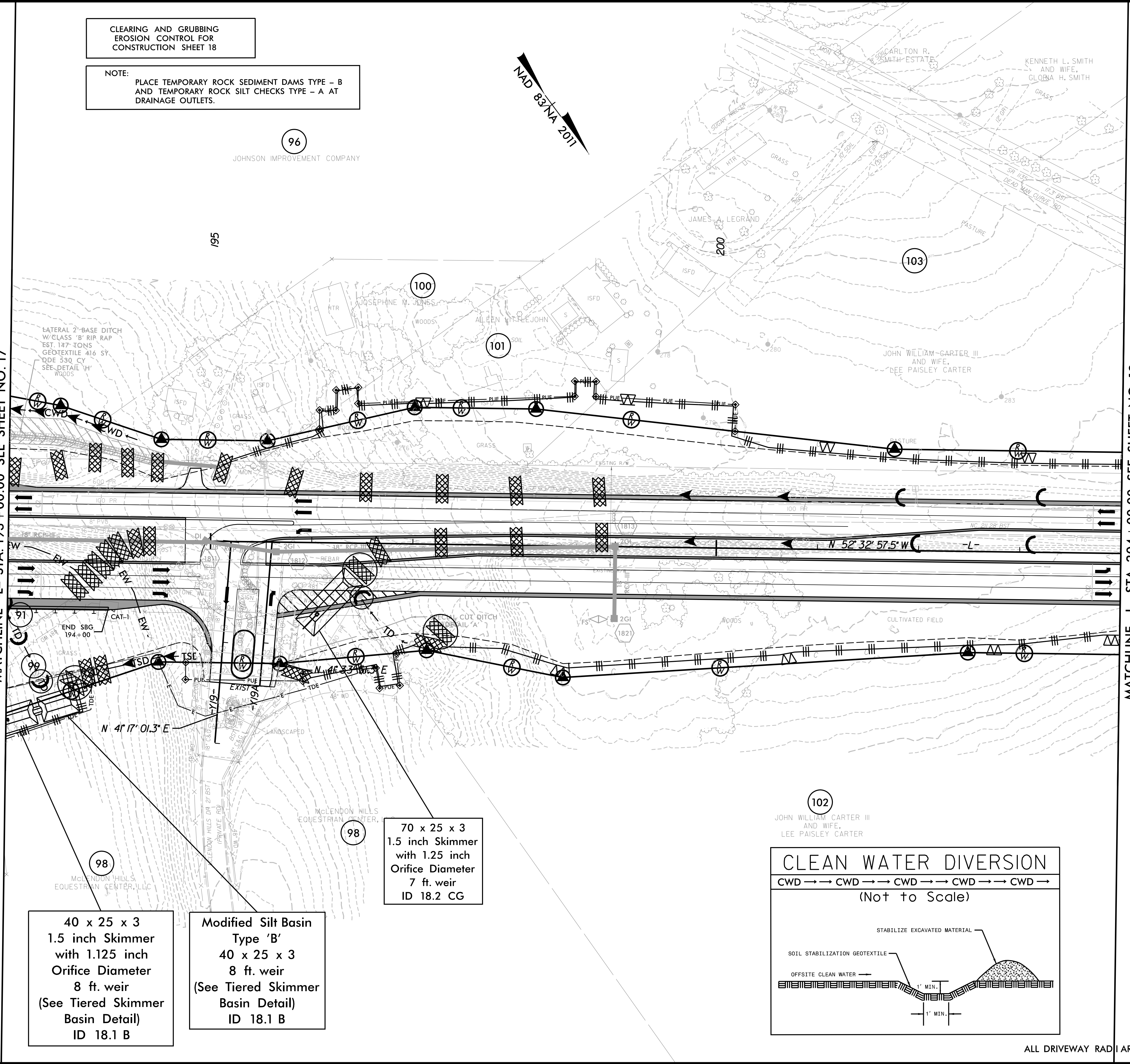
Prepared in the Office of:
M MOTT MACDONALD
 PO Box 700
 Fuquay-Varina, NC 27526
 www.mottmac.com/america

HDR HDR Engineering, Inc. of the Carolinas
 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
 N.C.B.E.L.S. License Number: F-0116

FOR -L- PROFILE SEE SHEET 34
 FOR -Y19- PROFILE SEE SHEET 42
 FOR -Y19A- PROFILE SEE SHEET 42
 FOR INTERSECTION DETAIL
 SEE SHEET 2B-6

MATCHLINE -L- STA. 193+00.00 SEE SHEET NO. 17

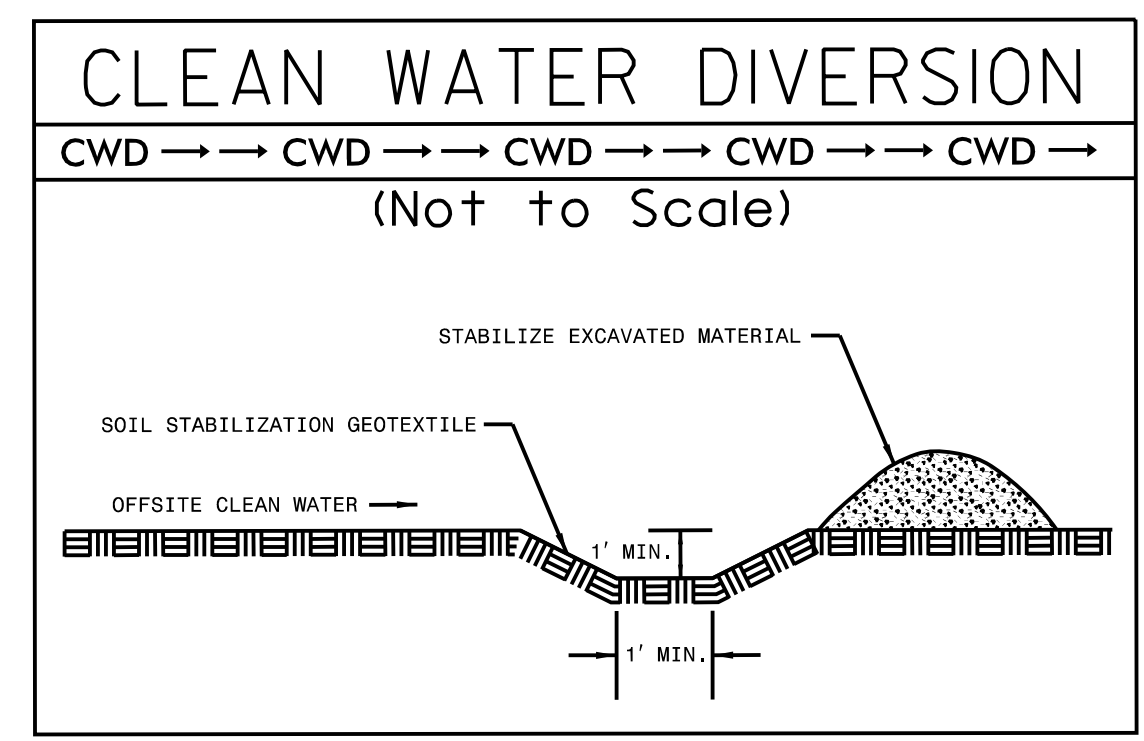
MATCHLINE -L- STA. 204+00.00 SEE SHEET NO. 19



40 x 25 x 3
 1.5 inch Skimmer
 with 1.125 inch
 Orifice Diameter
 8 ft. weir
 (See Tiered Skimmer
 Basin Detail)
 ID 18.1 B

Modified Silt Basin
 Type 'B'
 40 x 25 x 3
 8 ft. weir
 (See Tiered Skimmer
 Basin Detail)
 ID 18.1 B

70 x 25 x 3
 1.5 inch Skimmer
 with 1.25 inch
 Orifice Diameter
 7 ft. weir
 ID 18.2 CG



ALL DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED ON PLANS.

3/9/2022
 3:12:04 PM
 R-5726-EC-PSH.dgn

PROJECT REFERENCE NO.	SHEET NO.
R-5726A	EC-19/CONST. 19
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Prepared in the Office of:

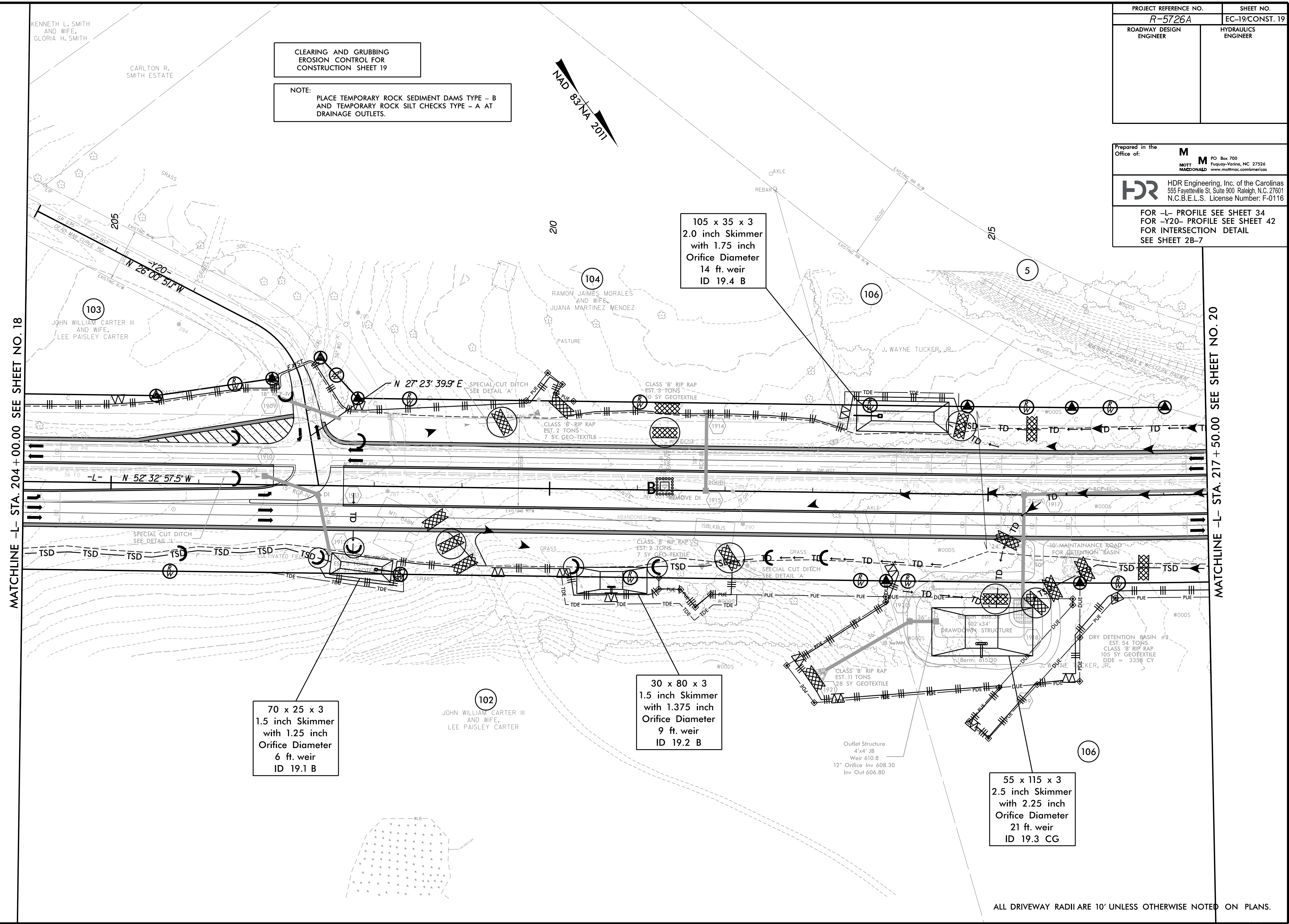
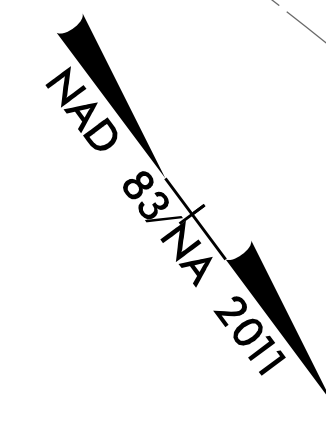
M MOTT MACDONALD
 PO Box 700
 Fuquay-Varina, NC 27526
 www.mottmac.com/america

HDR HDR Engineering, Inc. of the Carolinas
 555 Fayetteville St., Suite 900 Raleigh, N.C. 27601
 N.C.B.E.L.S. License Number: F-0116

FOR -L- PROFILE SEE SHEET 34
 FOR -Y20- PROFILE SEE SHEET 42
 FOR INTERSECTION DETAIL SEE SHEET 2B-7

CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 19

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



MATCHLINE -L- STA. 204 + 00.00 SEE SHEET NO. 18

MATCHLINE -L- STA. 217 + 50.00 SEE SHEET NO. 20

ALL DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED ON PLANS.

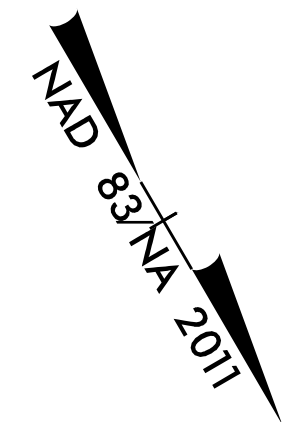
8/17/1999
 2/17/2022
 5:24:57 PM
 5:24:57 PM
 EC_PSH.dgn

8/17/99

PROJECT REFERENCE NO. R-5726A	SHEET NO. EC-20/CONST. 20
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 20

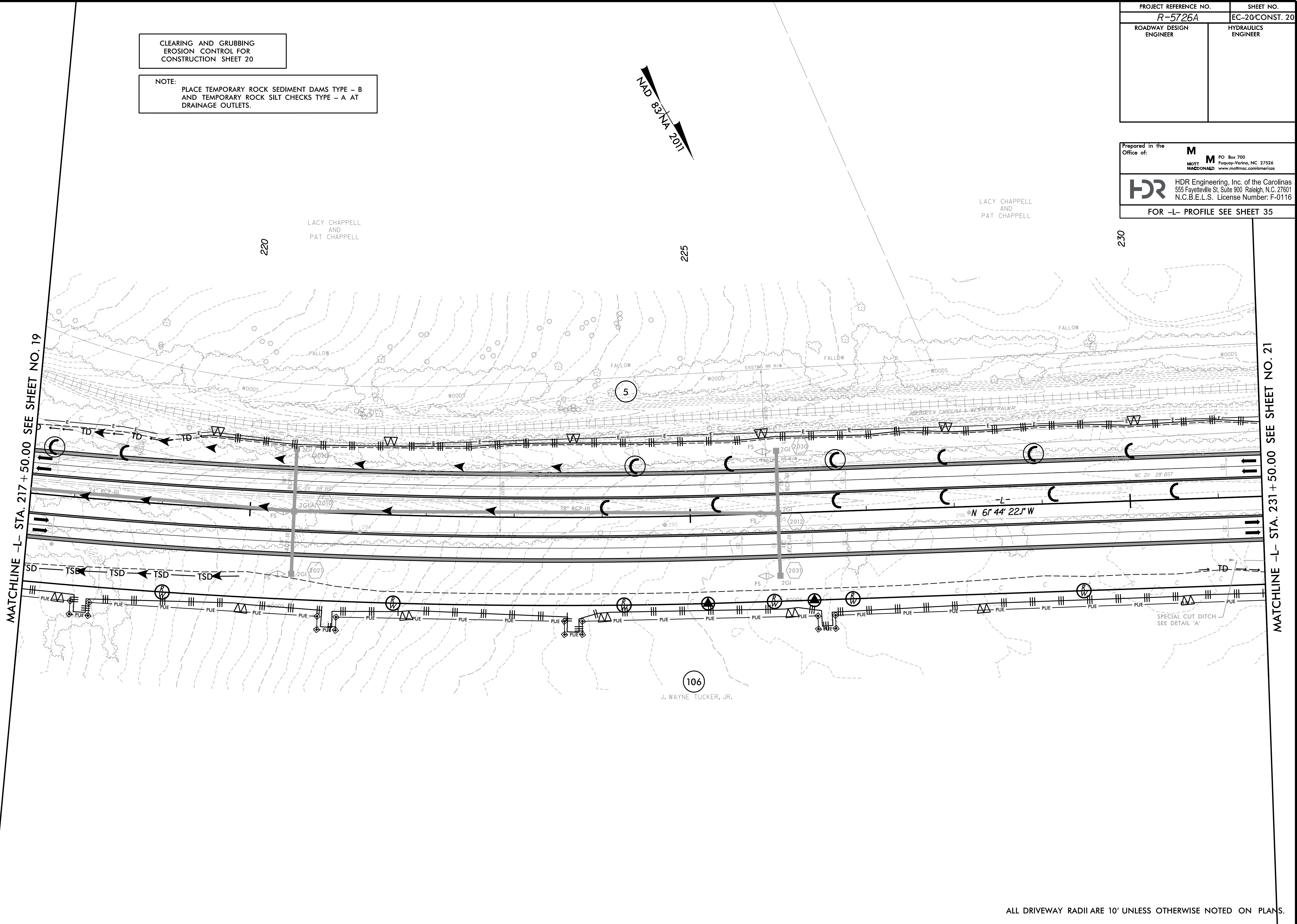
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.



Prepared in the Office of:	M MOTT MACDONALD	PO Box 700 Fuquay-Varina, NC 27526 www.mottmac.com/americas
HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116		
FOR -L- PROFILE SEE SHEET 35		

LACY CHAPPELL
AND
PAT CHAPPELL

LACY CHAPPELL
AND
PAT CHAPPELL



MATCHLINE -L- STA. 217+50.00 SEE SHEET NO. 19

MATCHLINE -L- STA. 231+50.00 SEE SHEET NO. 21

2/17/2022
5:23:30 PM
R-5726-EC-PSH.dgn

ALL DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED ON PLANS.

8/17/99

PROJECT REFERENCE NO. R-5726A	SHEET NO. EC-21/CONST. 21
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 21

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

Prepared in the Office of:

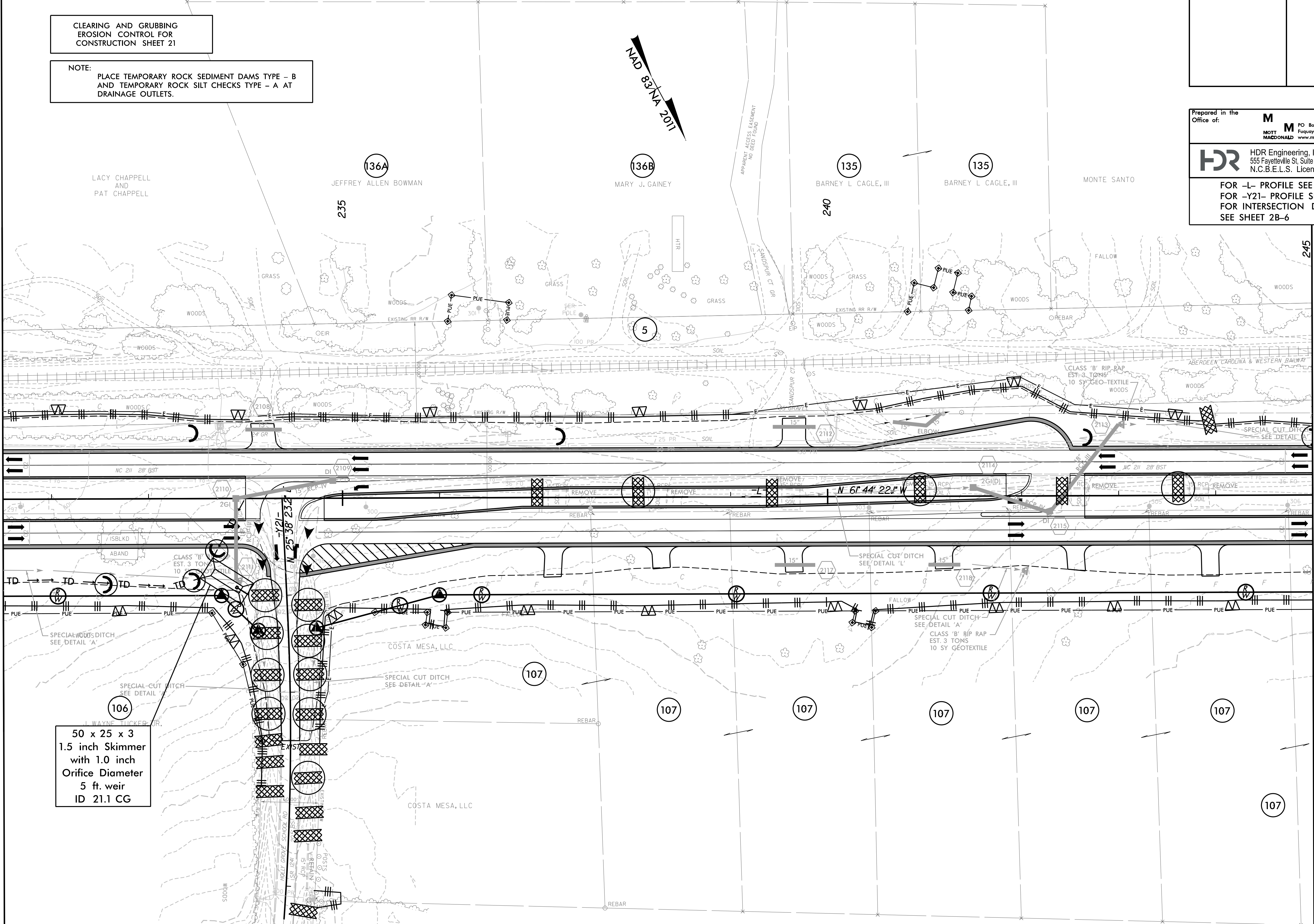
M MOTT MACDONALD
 PO Box 700
 Fuquay-Varina, NC 27526
 www.mottmac.com/americas

HDR HDR Engineering, Inc. of the Carolinas
 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
 N.C.B.E.L.S. License Number: F-0116

FOR -L- PROFILE SEE SHEET 35
 FOR -Y21- PROFILE SEE SHEET 42
 FOR INTERSECTION DETAIL SEE SHEET 2B-6

MATCHLINE -L- STA. 231 + 50.00 SEE SHEET NO. 20

MATCHLINE -L- STA. 245 + 00.00 SEE SHEET NO. 22



106
 50 x 25 x 3
 1.5 inch Skimmer
 with 1.0 inch
 Orifice Diameter
 5 ft. weir
 ID 21.1 CG

2/17/2022
 5:23:31 PM
 R-5726-EC_PSH.dgn


ALL DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED ON PLANS.

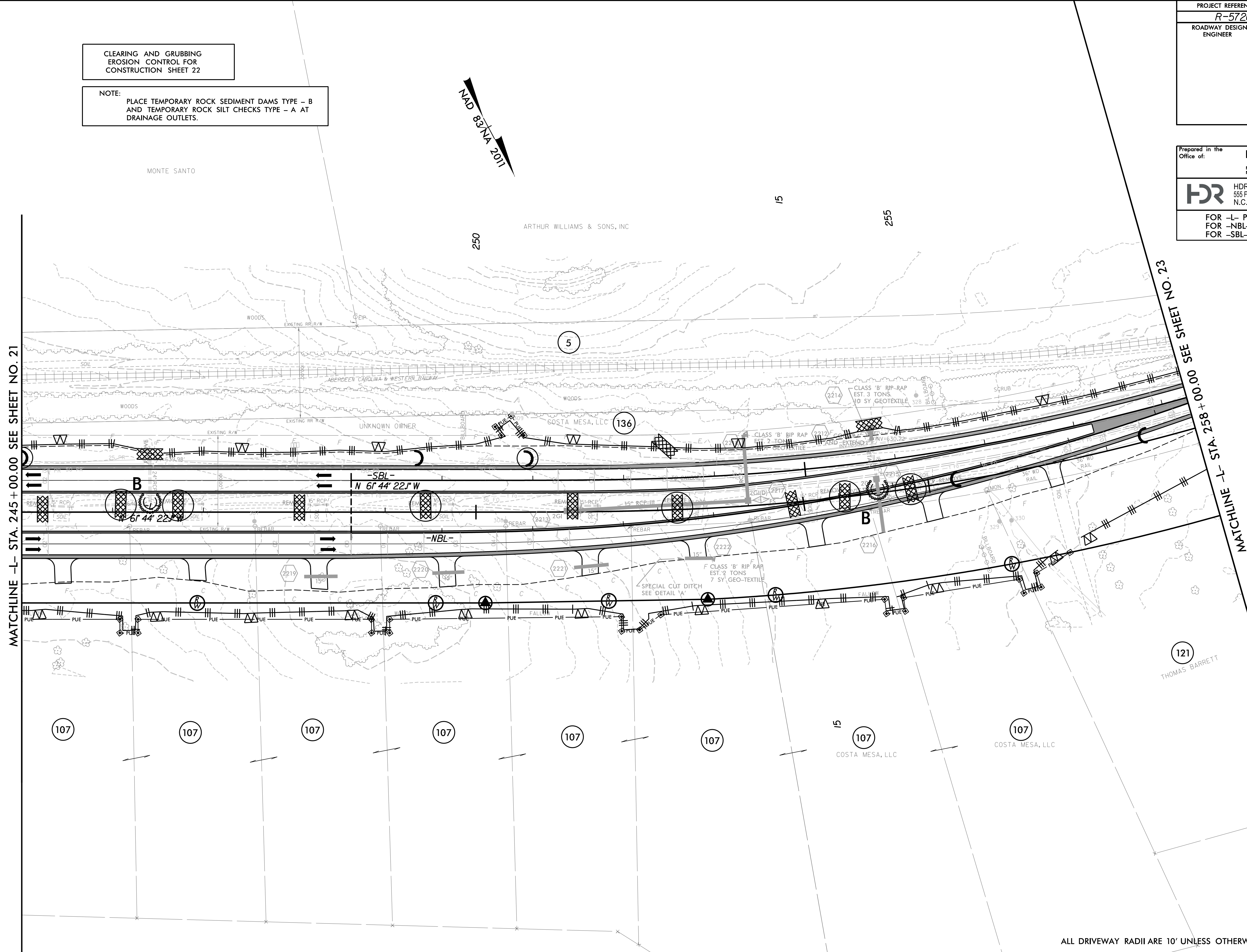
8/17/99

PROJECT REFERENCE NO. R-5726A	SHEET NO. EC-22/CONST. 22
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 22

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

Prepared in the Office of:	M MOTT MACDONALD	PO Box 700 Fuquay-Varina, NC 27526 www.mottmac.com/americas
 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116		
FOR -L- PROFILE SEE SHEET 36 FOR -NBL- PROFILE SEE SHEET 37 FOR -SBL- PROFILE SEE SHEET 37		



MATCHLINE -L- STA. 245+00.00 SEE SHEET NO. 21

MATCHLINE -L- STA. 258+00.00 SEE SHEET NO. 23

2/17/2022
5:23:17 PM
R-5726-EC-PSH.dgn

ALL DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED ON PLANS.

8/17/99

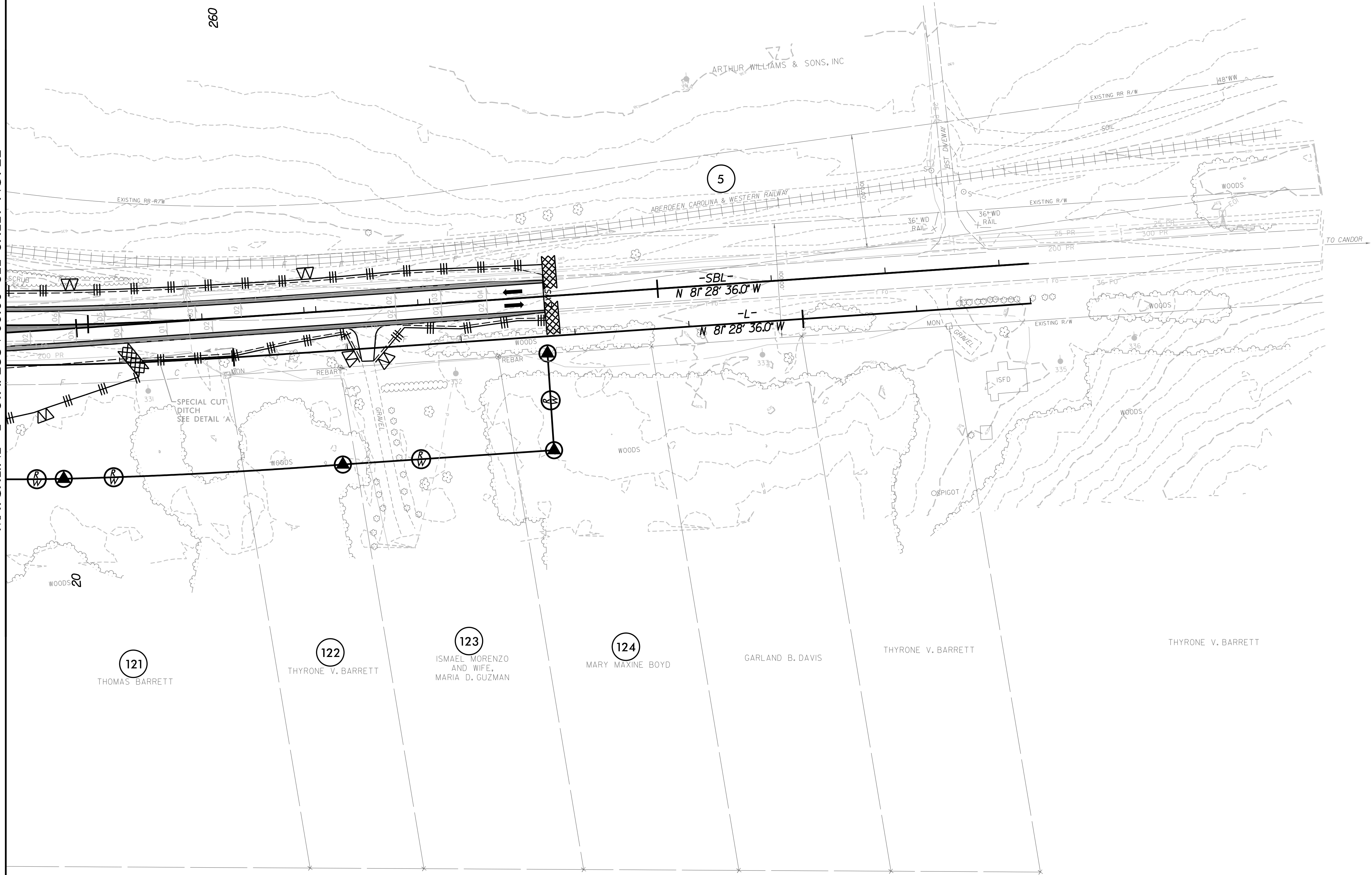
PROJECT REFERENCE NO. R-5726A	SHEET NO. EC-23/CONST. 23
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 23

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

NAD 83/NA 2011

MATCHLINE -L- STA. 258 + 00.00 SEE SHEET NO. 22



Prepared in the Office of:

M MOTT MACDONALD	PO Box 700 Fuquay-Varina, NC 27526 www.mottmac.com/americas
-------------------------------	---

HDR HDR Engineering, Inc. of the Carolinas
555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

FOR -L- PROFILE SEE SHEET 36
FOR -NBL- PROFILE SEE SHEET 37
FOR -SBL- PROFILE SEE SHEET 37

2/17/2022
5:33:24 PM
R-5726-EC-PSH.dgn

ALL DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED ON PLANS.

8/17/99

PROJECT REFERENCE NO. R-5726A	SHEET NO. EC-24/CONST. 24
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 24

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

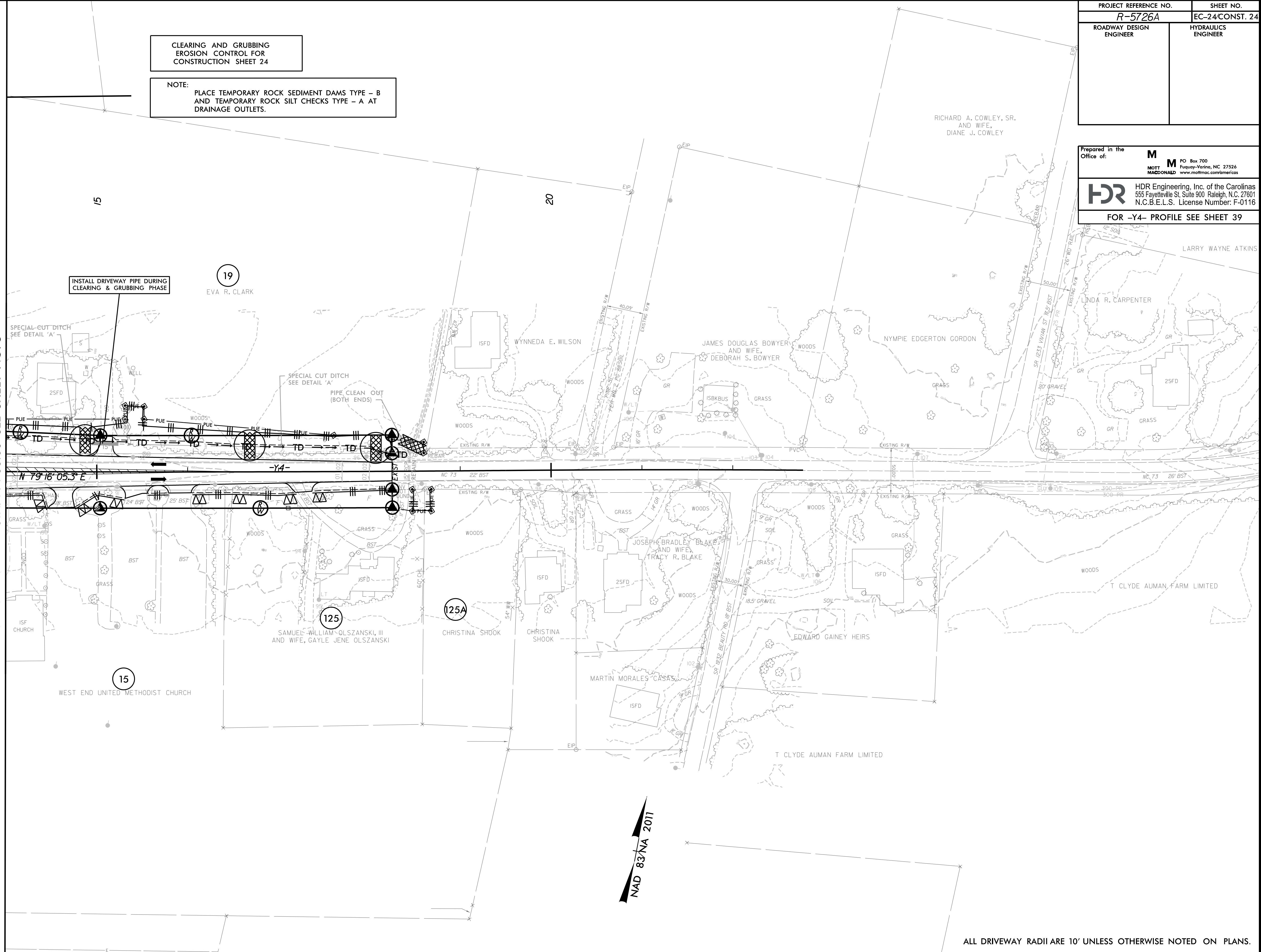
Prepared in the Office of:

M MOTT MACDONALD
PO Box 700
Fuquay-Varina, NC 27526
www.mottmac.com/americas

HDR HDR Engineering, Inc. of the Carolinas
555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

FOR -Y4- PROFILE SEE SHEET 39

MATCHLINE -Y4- STA. 14 + 00.00 SEE SHEET NO. 5




NAD 83/NA 2011

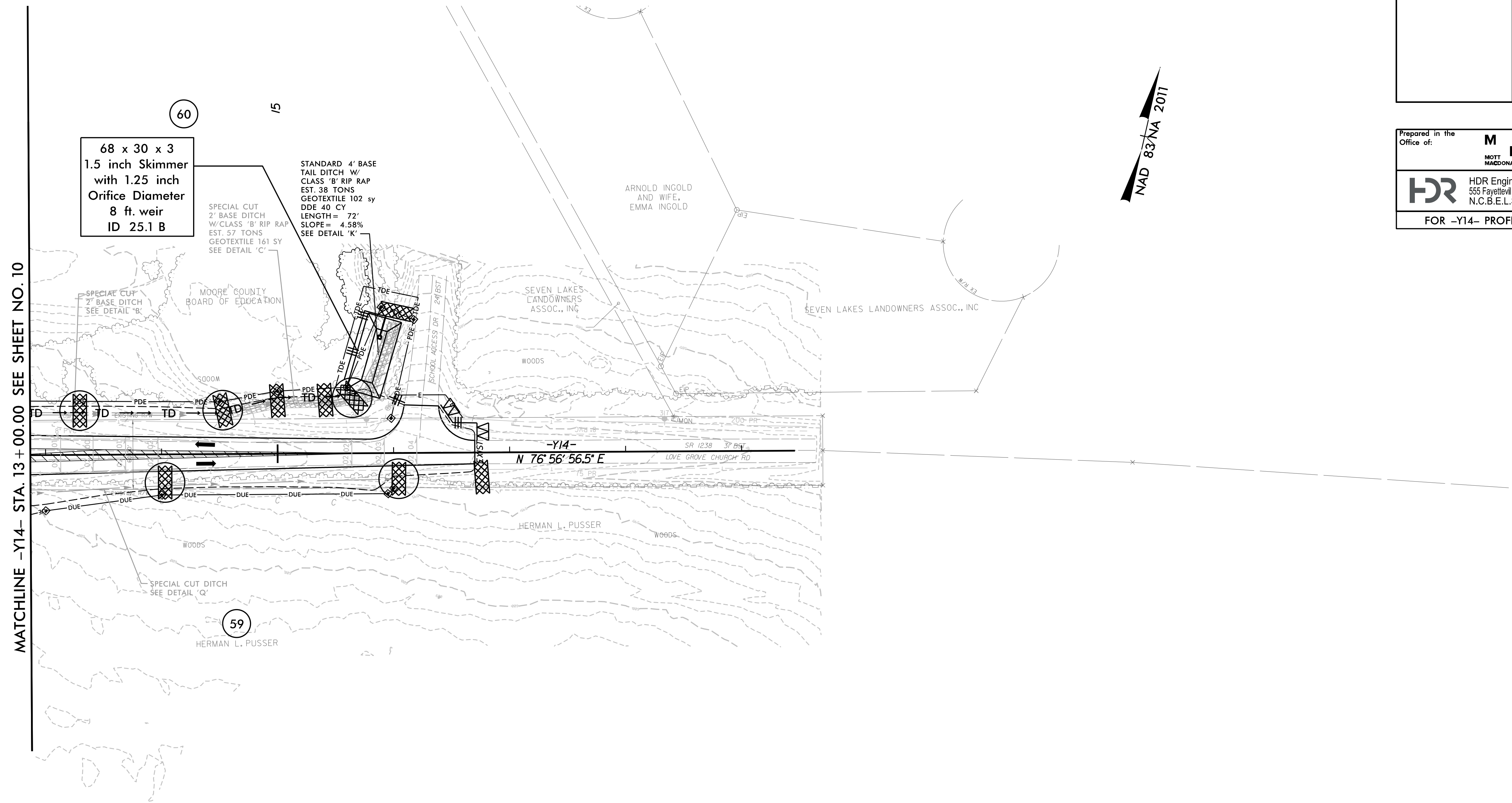
ALL DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED ON PLANS.

2/17/2022
5:33:25 PM
R-5726-EC-PSH.dgn

8/17/99

PROJECT REFERENCE NO. R-5726A	SHEET NO. EC-25/CONST. 25
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Prepared in the Office of:	M MOTT MACDONALD	PO Box 700 Fuquay-Varina, NC 27526 www.mottmac.com/americas
 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116		
FOR -Y14- PROFILE SEE SHEET 41		



60
 68 x 30 x 3
 1.5 inch Skimmer
 with 1.25 inch
 Orifice Diameter
 8 ft. weir
 ID 25.1 B

SPECIAL CUT
 2' BASE DITCH
 W/CLASS 'B' RIP RAP
 EST. 57 TONS
 GEOTEXTILE 161 SY
 SEE DETAIL 'C'

STANDARD 4' BASE
 TAIL DITCH W/
 CLASS 'B' RIP RAP
 EST. 38 TONS
 GEOTEXTILE 102 sy
 DDE 40 CY
 LENGTH = 72'
 SLOPE = 4.58%
 SEE DETAIL 'K'

SPECIAL CUT
 2' BASE DITCH
 SEE DETAIL 'B'

MOORE COUNTY
 BOARD OF EDUCATION

ARNOLD INGOLD
 AND WIFE,
 EMMA INGOLD

SEVEN LAKES
 LANDOWNERS
 ASSOC., INC

SEVEN LAKES LANDOWNERS ASSOC., INC

HERMAN L. PUSSEY

59
 HERMAN L. PUSSEY

MATCHLINE -Y14- STA. 13+00.00 SEE SHEET NO. 10

CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 25

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

2/17/2022
 5:23:46 PM
 R-5726-EC-PSH.dgn

PROJECT REFERENCE NO.	SHEET NO.
R-5726A	EC-26/CONST. 26
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Prepared in the Office of: **M** MOTT MACDONALD

PO Box 700
Fuquay-Varina, NC 27526
www.mottmac.com/americas

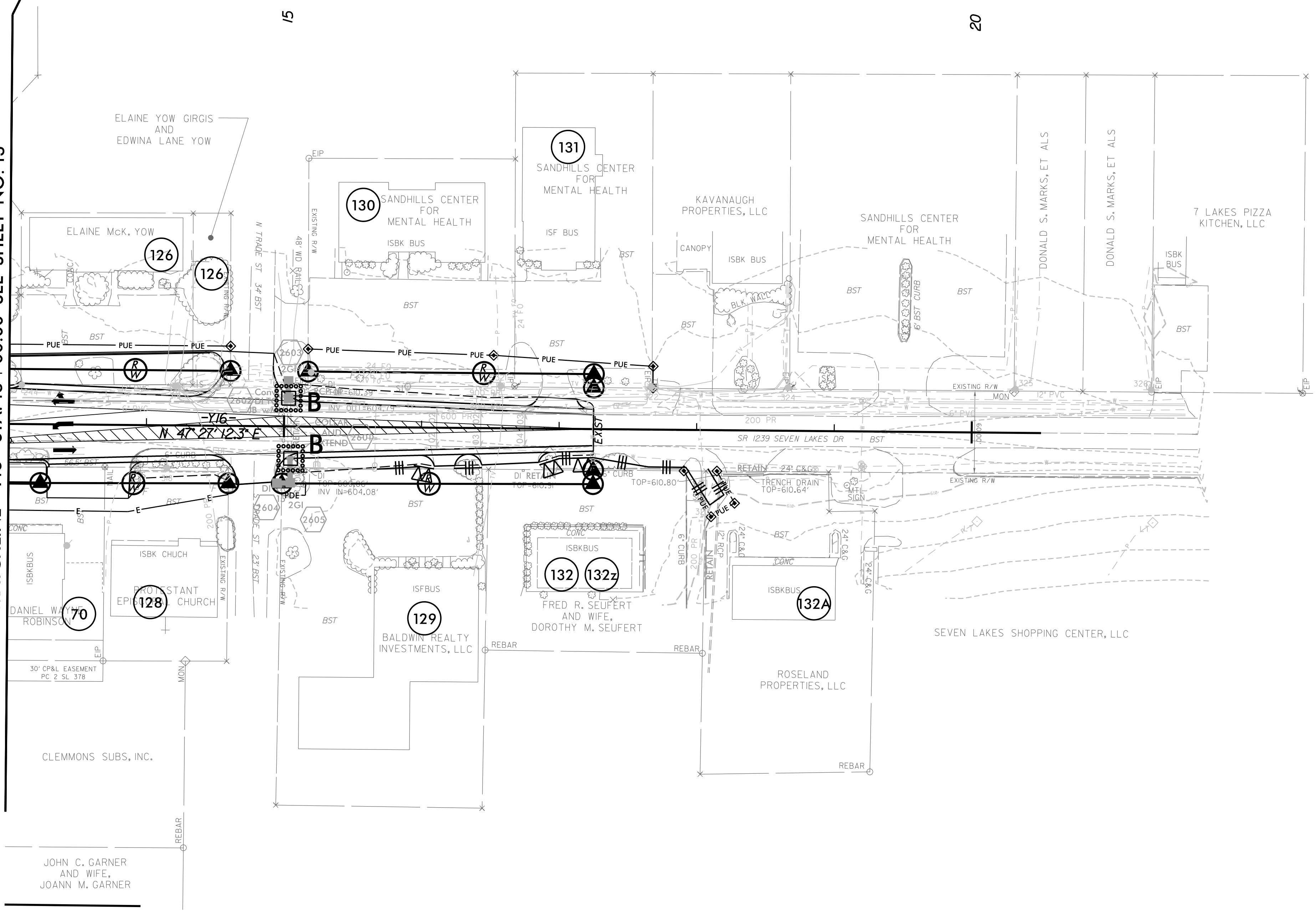
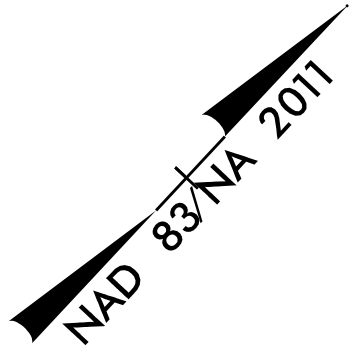
HDR HDR Engineering, Inc. of the Carolinas
555 Fayetteville St, Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

FOR -Y16- PROFILE SEE SHEET 41

8/17/99

2/17/2022
R-5726-EC-P-SH.dgn
5:34:42 PM

MATCHLINE -Y16- STA. 13 + 00.00 SEE SHEET NO. 13



CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 26

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

ALL DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED ON PLANS.