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STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-5710A	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
50115.1.2	N/A	P.E.	
50115.2.2	N/A	ROW & UTIL.	
50115.3.2	0074228	CONSTR.	

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PLAN FOR PROPOSED
HIGHWAY EROSION CONTROL
NEW HANOVER COUNTY

**LOCATION: NEW LOCATION NORTHWESTERN QUADRANT
CONNECTION BETWEEN US 74 (EASTWOOD RD.)
AND US 17 (MILITARY CUTOFF RD.)**

TYPE OF WORK: GRADING, PAVING, DRAINAGE AND SIGNALS

EROSION AND SEDIMENT CONTROL MEASURES

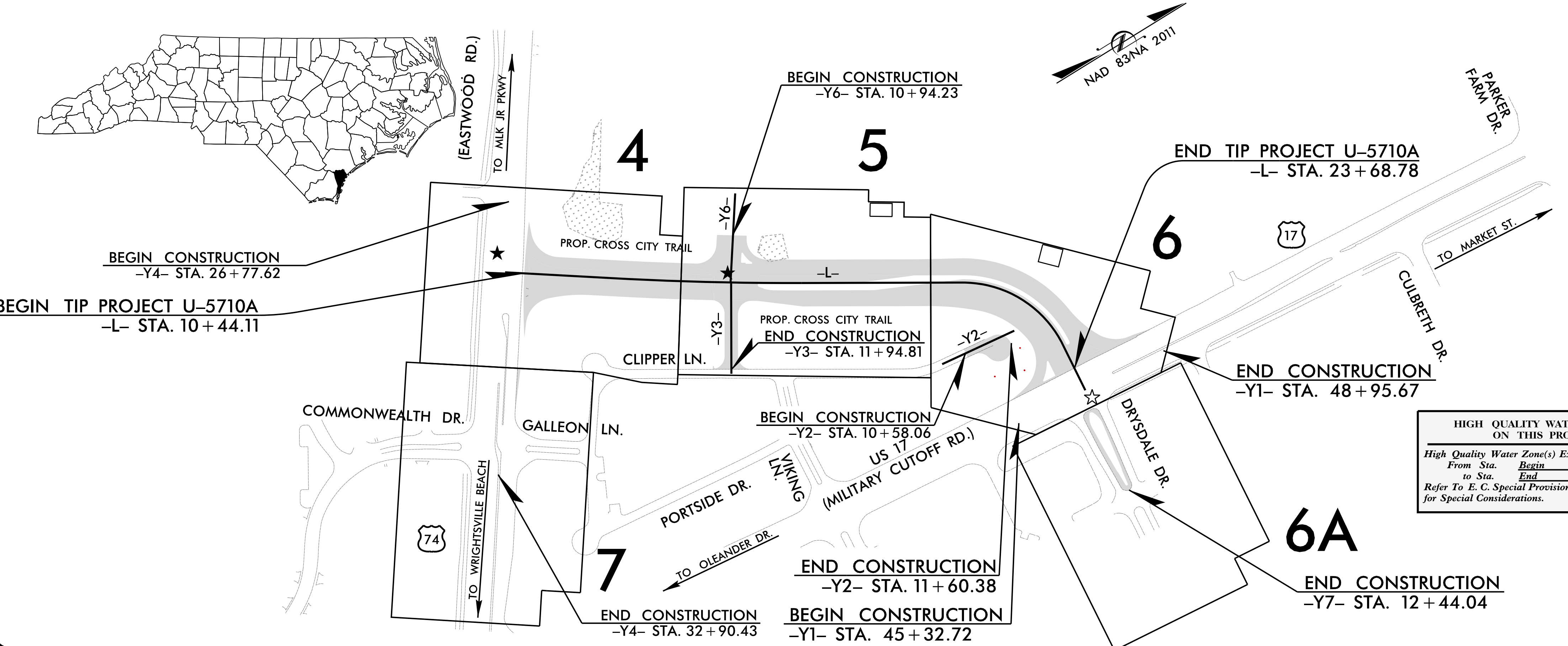
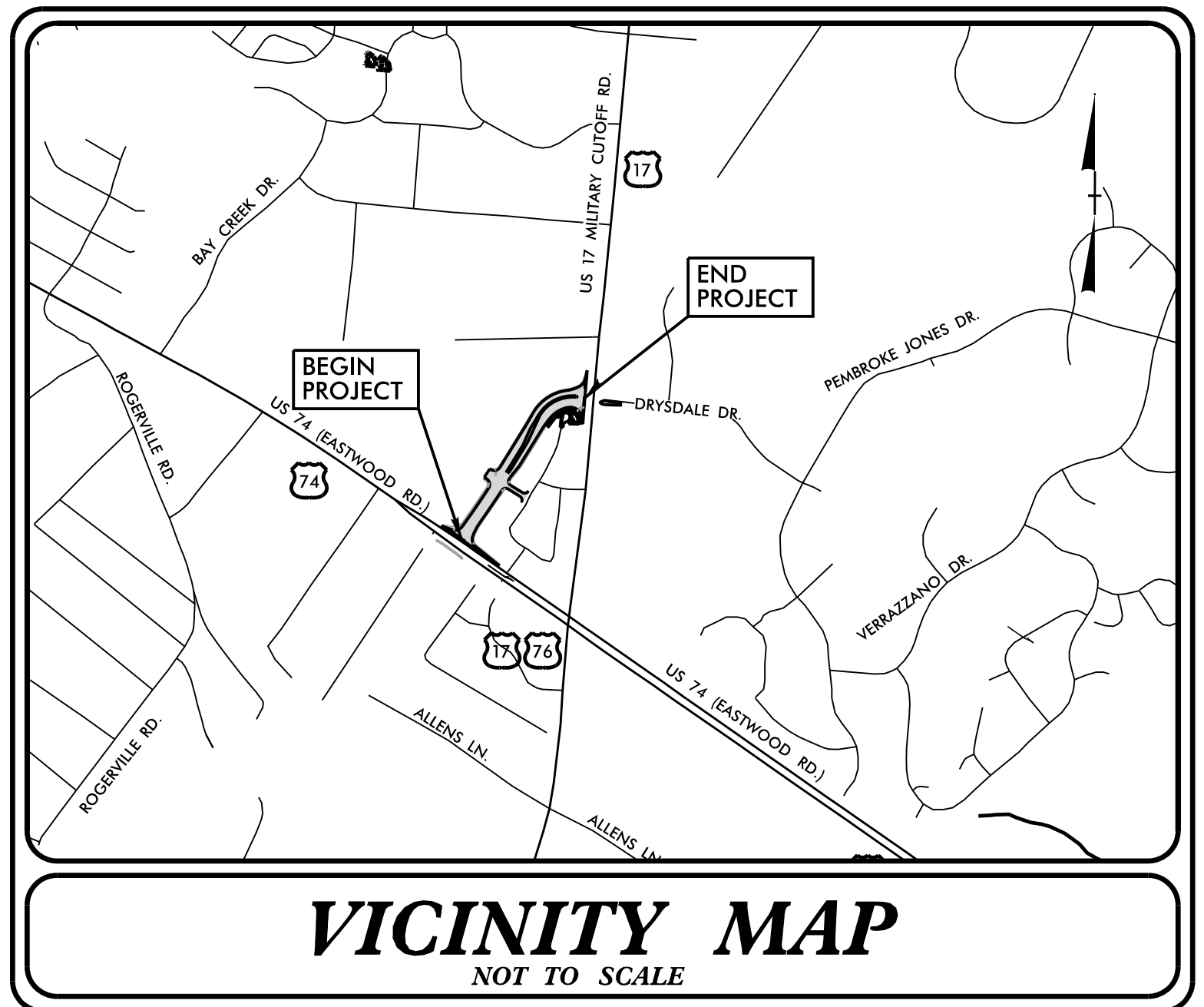
Std. #	Description	Symbol
1630.03	Temporary Silt Ditch	TD
1630.05	Temporary Diversion	TD
1605.01	Temporary Silt Fence	III III III
1606.01	Special Sediment Control Fence	III III III
1622.01	Temporary Berms and Slope Drains	III III III
1630.02	Silt Basin Type B	III III III
1633.01	Temporary Rock Silt Check 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:	
1632.01	Type A	A
1632.02	Type B	B
1632.03	Type C	C
	Skimmer Basin	III III III
	Tiered Skimmer Basin	III III III
	Infiltration Basin	III III III

**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**

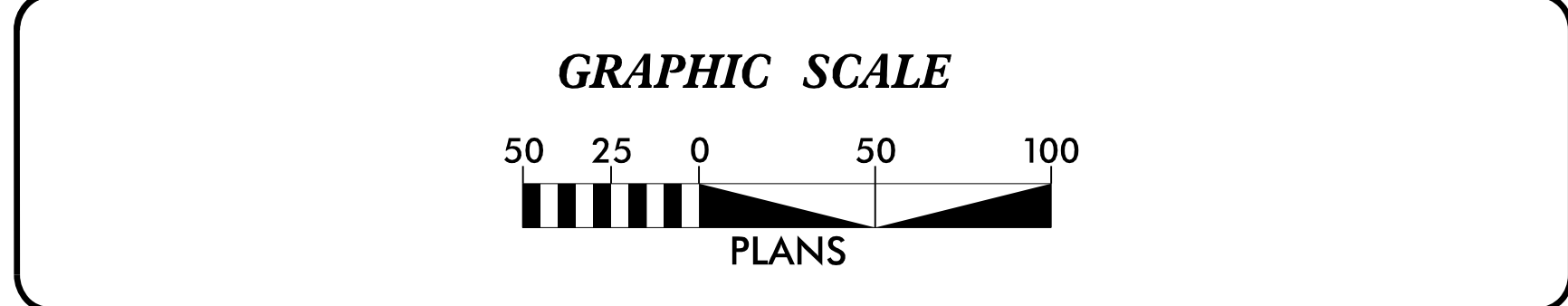
*Refer To E. C. Special Provisions
for Special Considerations.*



**HIGH QUALITY WATER(S) EXIST
ON THIS PROJECT**

High Quality Water Zone(s) Exist	
From Sta.	Begin
To Sta.	End

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



**THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH
THE APPLICABLE REGULATIONS SET FORTH BY THE NCG-010000
GENERAL CONSTRUCTION PERMIT EFFECTIVE APRIL 1, 2019
AND ISSUED BY THE NORTH CAROLINA DEPARTMENT OF
ENVIRONMENTAL QUALITY DIVISION OF WATER RESOURCES.**

Prepared In the Office of:

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

Designed by:

Wyatt D. Yelverton PE, CPESC 3609

NAME LEVEL III CERTIFICATION NO.

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.

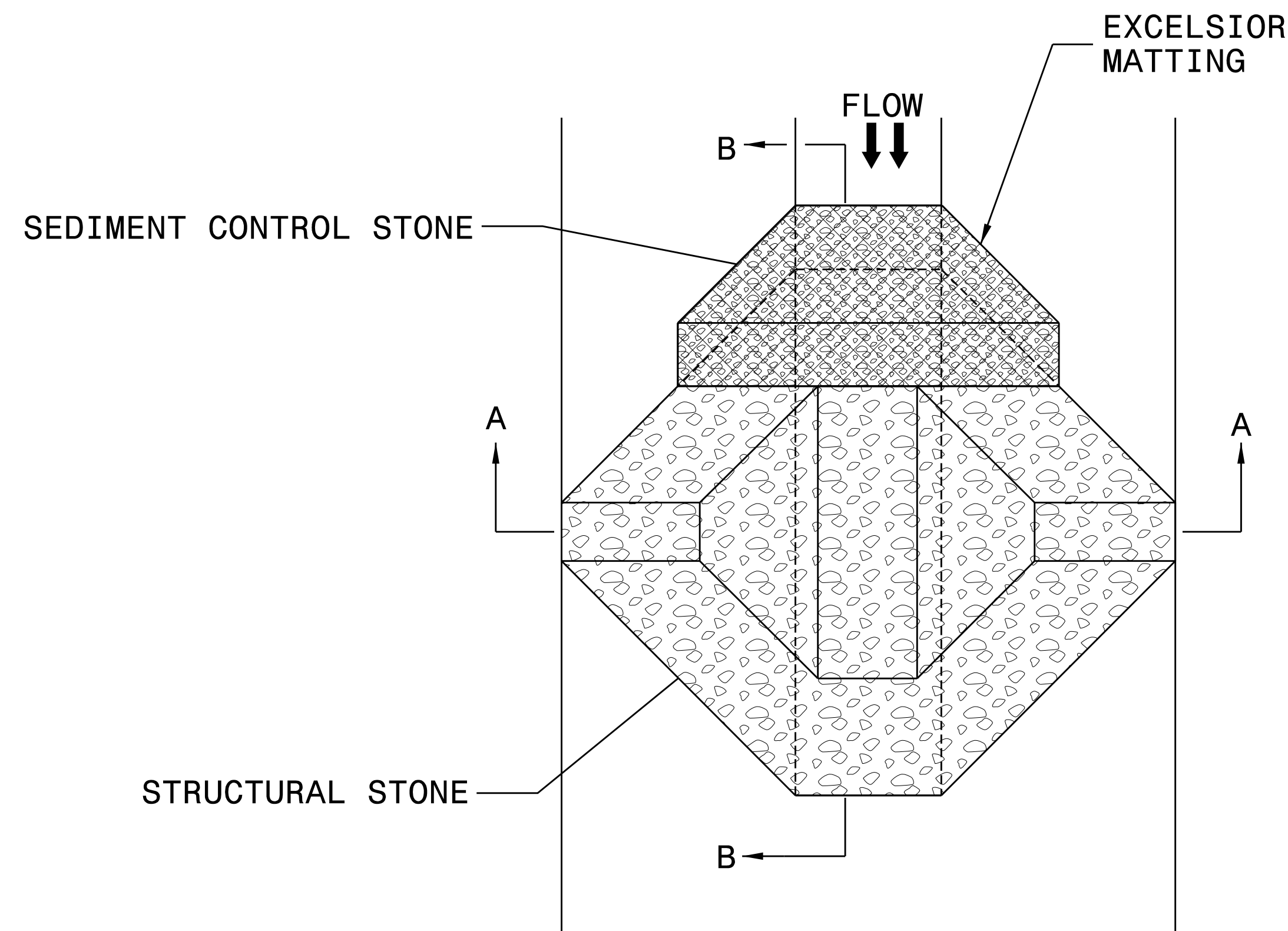
1604.01 Railroad Erosion Control Detail	1632.01 Rock Inlet Sediment Trap Type A
1605.01 Temporary Silt Fence	1632.02 Rock Inlet Sediment Trap Type B
1606.01 Special Sediment Control Fence	1632.03 Rock Inlet Sediment Trap Type C
1607.01 Gravel Construction Entrance	1633.01 Temporary Rock Silt Check Type 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 3	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 Wattle
1630.06 Special Stilling Basin	1645.01 Temporary Stream Crossing
1631.01 Matting Installation	

CONTRACT: C204747 TIP PROJECT: U-5710A

3/17/2019 10:41:00 AM EC-TSH-HDR-097
11/4/2016 09:41:00 AM

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

PROJECT REFERENCE NO. U-5710A	SHEET NO. EC-2
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

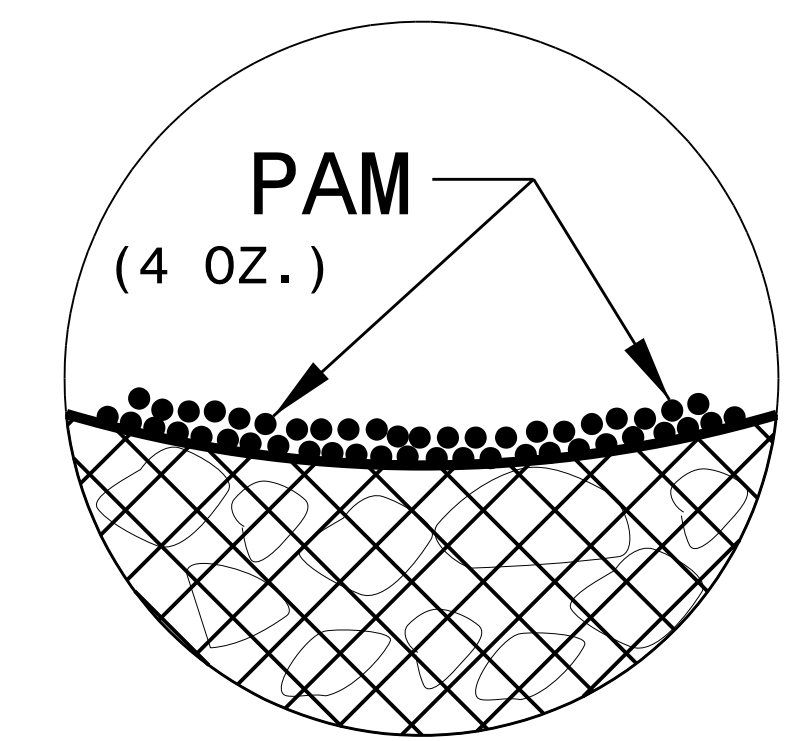
NOTES:

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

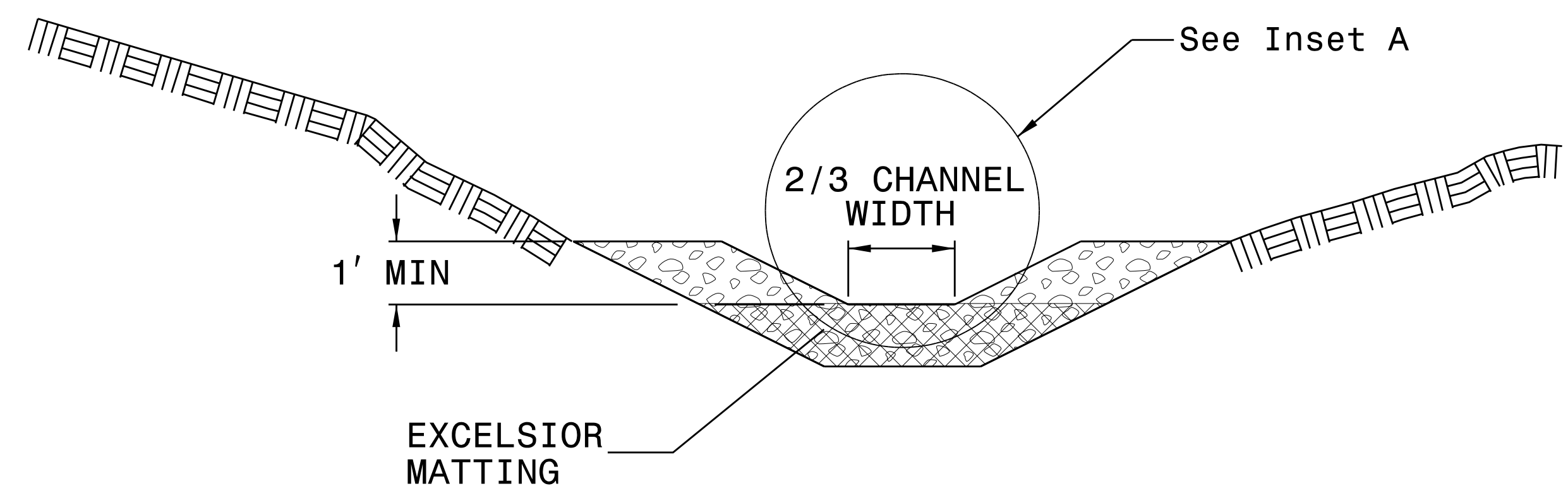
USE EXCELSIOR FOR MATTING MATERIAL AND ANCHOR MATTING SECTION AT TOP AND BOTTOM WITH CLASS B STONE.

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.

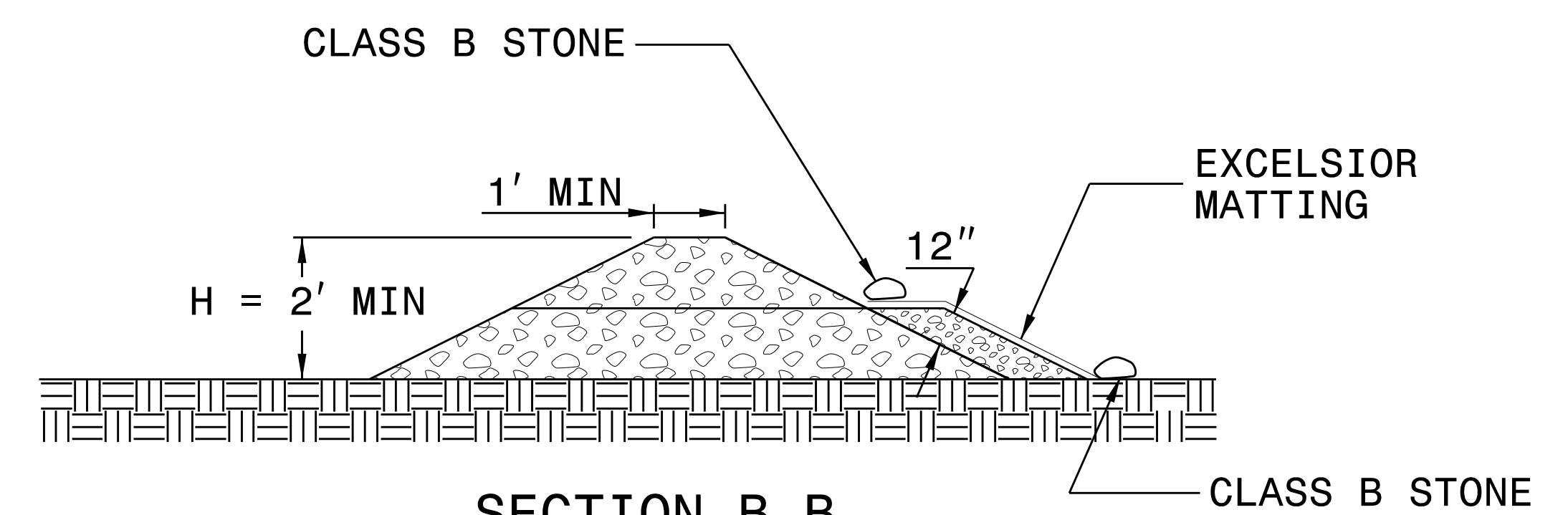
INITIALLY APPLY 4 OUNCES OF POLYACRYLAMIDE (PAM) TO TOP OF MATTING SECTION AND AFTER EVERY RAINFALL EVENT THAT EQUALS OR EXCEEDS 0.50 INCHES.



INSET A



SECTION A-A

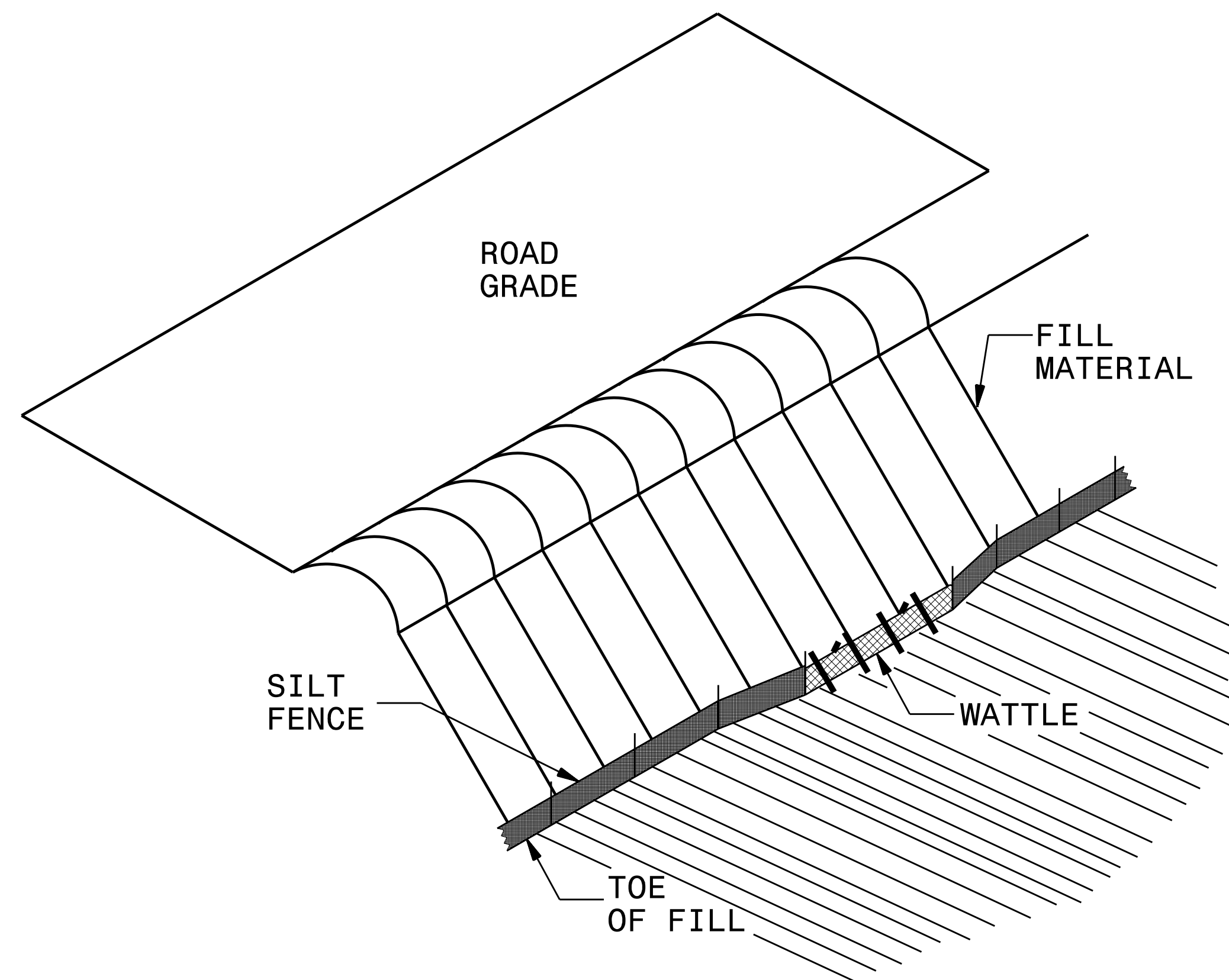


SECTION B-B

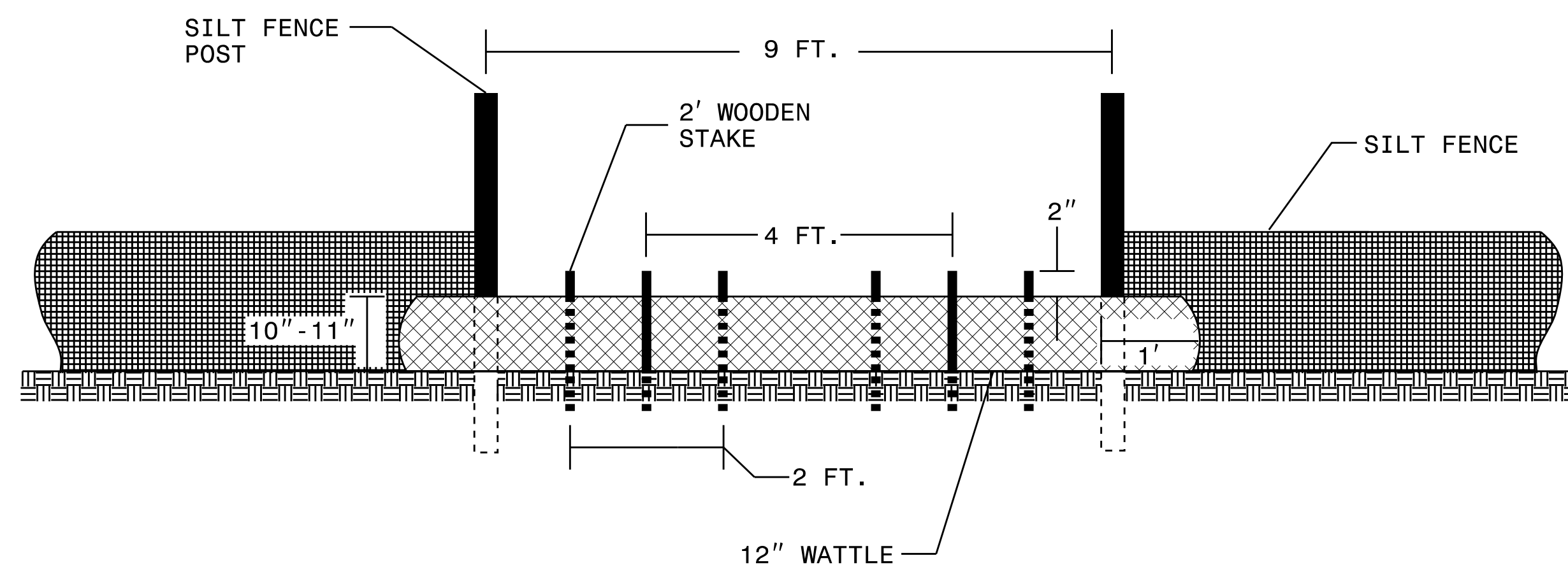
NOT TO SCALE

SILT FENCE COIR FIBER WATTLE BREAK DETAIL

PROJECT REFERENCE NO. <i>U-5710A</i>	SHEET NO. <i>EC-2A</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



ISOMETRIC VIEW

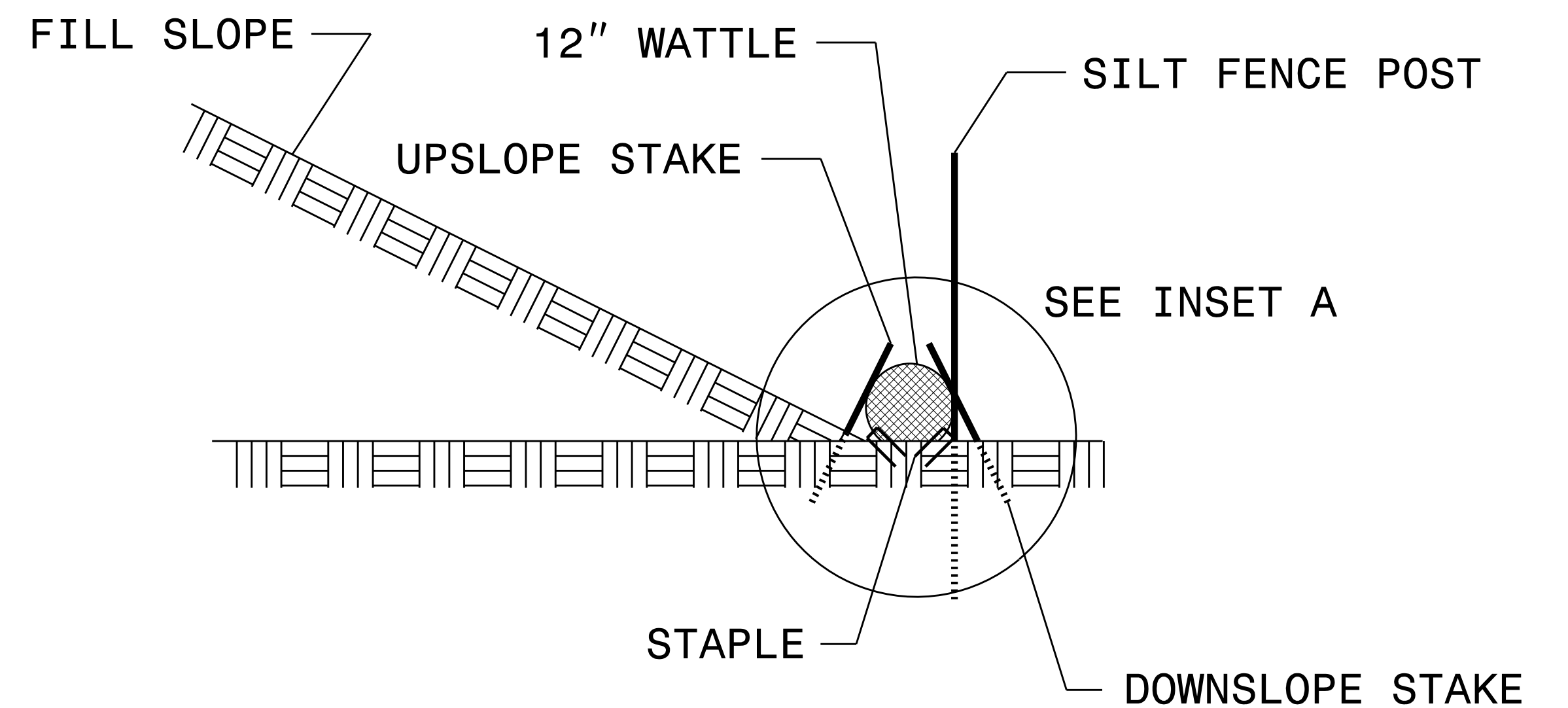
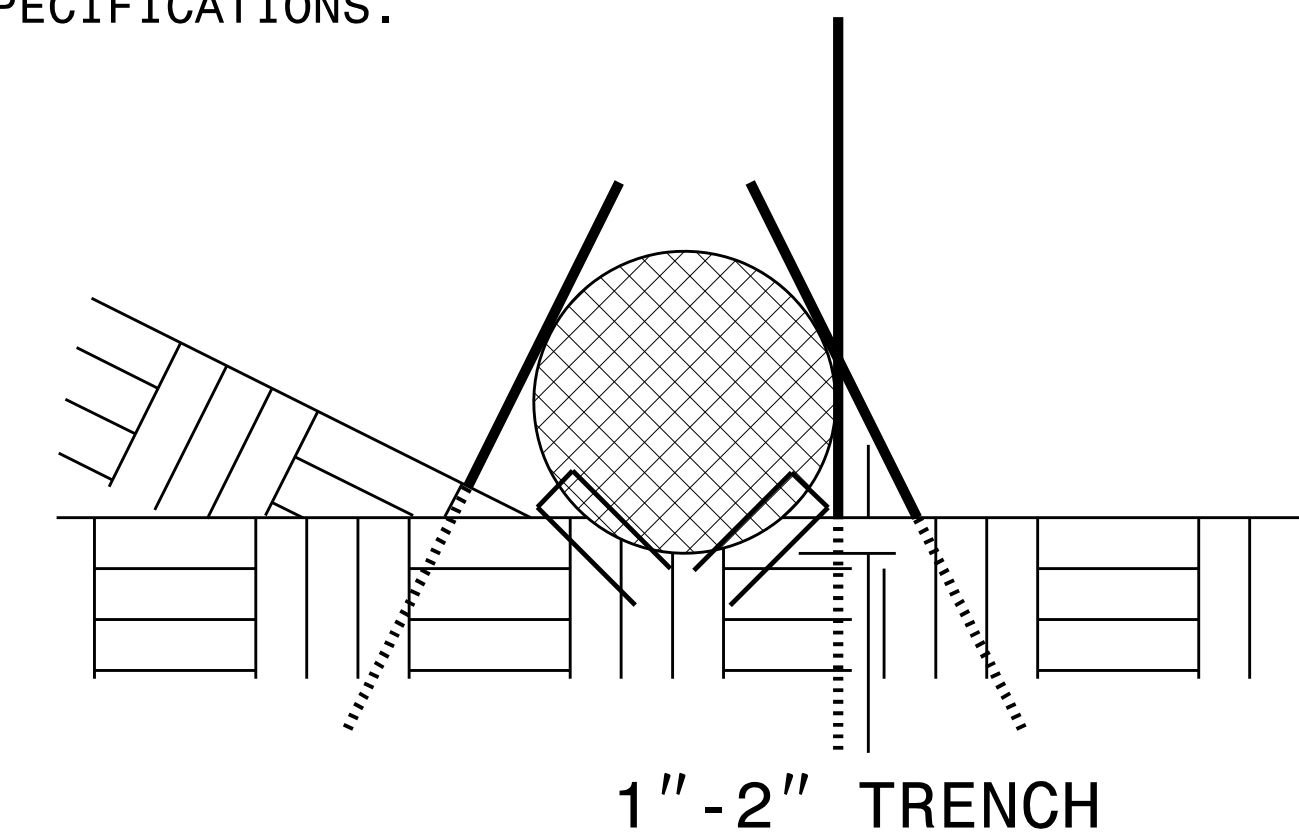


VIEW FROM SLOPE


NOTES:

- USE MINIMUM 12 IN. DIAMETER COIR FIBER (COCONUT FIBER) 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



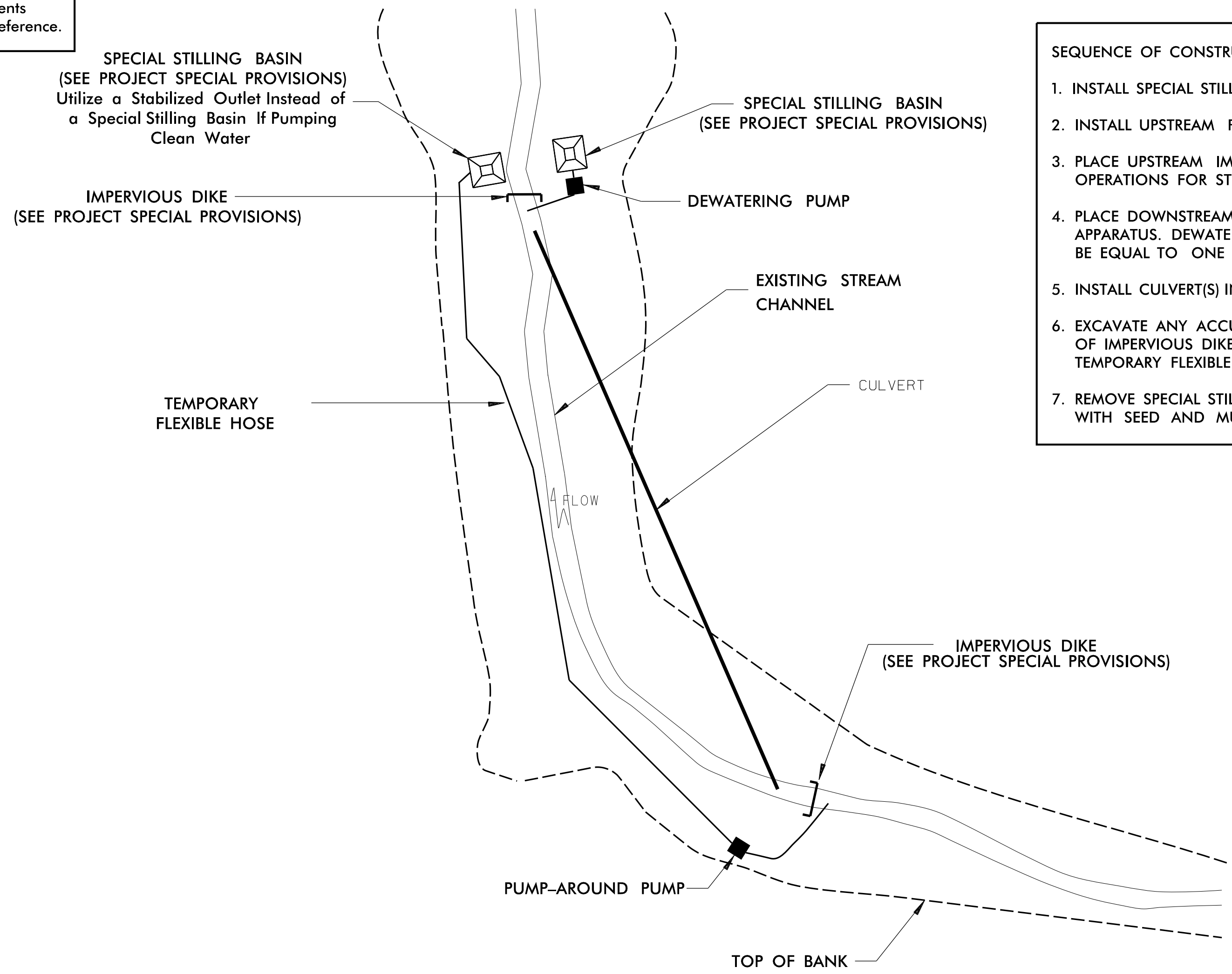
SIDE VIEW

PROJECT REFERENCE NO.		SHEET NO.	
U-5710A		EC-2B	
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			

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.
- 5) Special Stilling Basins shall be located within all easements and permitted impacts. See Permit Drawings for reference.



- 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.

PLOT DRIVER: NCDOT_pdf_color_eng-100.plt
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 TIME: 1:40:29 PM

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

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

PROJECT REFERENCE NO. <i>U-5710A</i>	SHEET NO. <i>EC-3A</i>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

SOIL STABILIZATION TIMEFRAMES

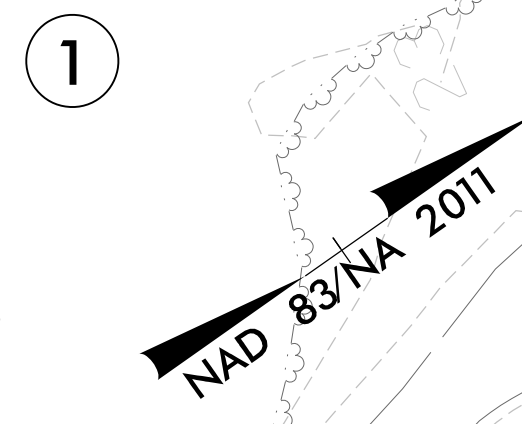
<i>SITE DESCRIPTION</i>	<i>STABILIZATION TIME</i>	<i>TIMEFRAME EXCEPTIONS</i>
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HQW ZONES.

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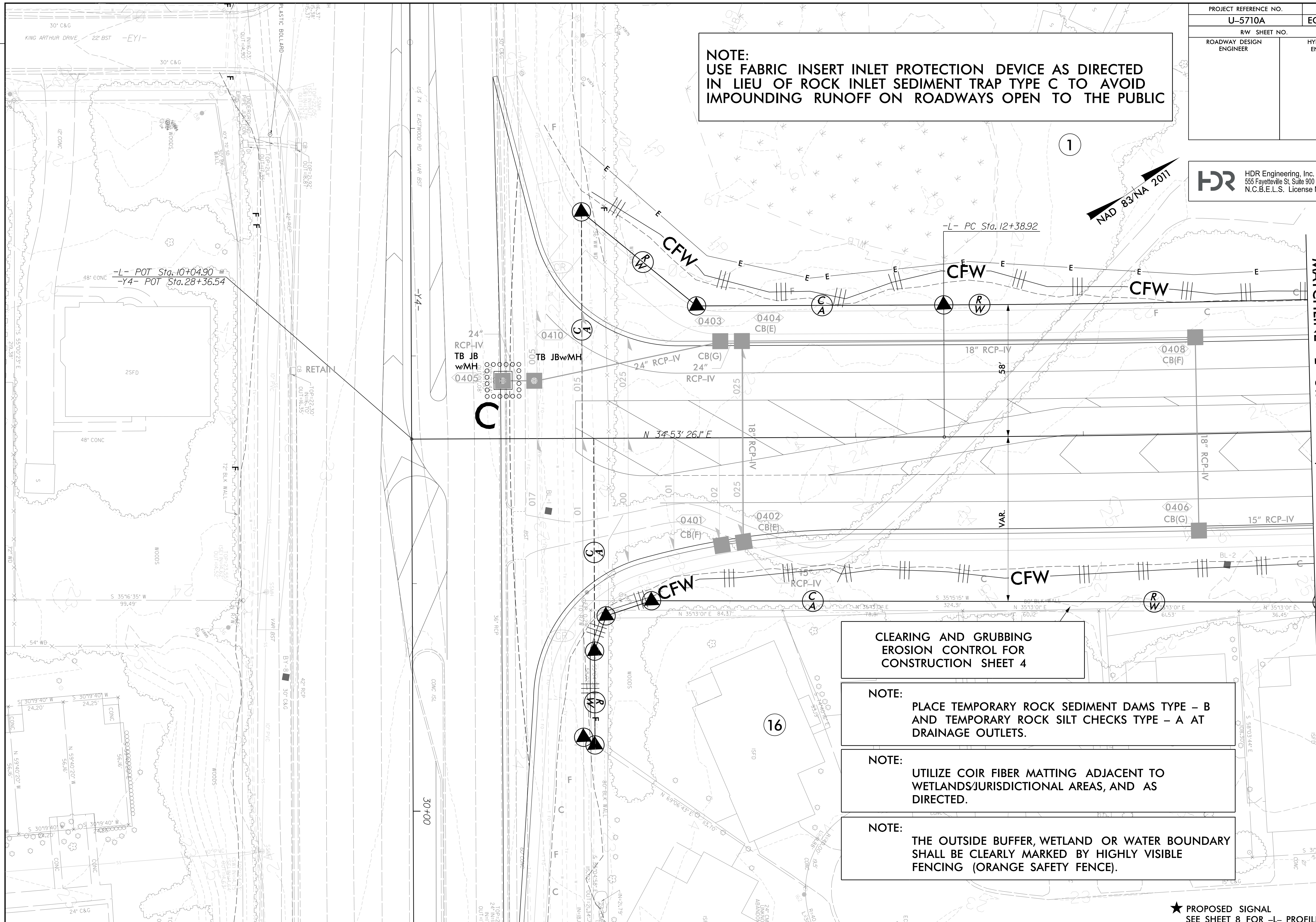
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RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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555 Fayetteville St. Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

NOTE:
USE FABRIC INSERT INLET PROTECTION DEVICE AS DIRECTED
IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C TO AVOID
IMPOUNDING RUNOFF ON ROADWAYS OPEN TO THE PUBLIC



MATCHLINE -L- STA. 14+00, SEE SHEET 5



**CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 4**

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

NOTE:
UTILIZE COIR FIBER MATTING ADJACENT TO
WETLANDS/JURISDICTIONAL AREAS, AND AS
DIRECTED.

NOTE:
THE OUTSIDE BUFFER, WETLAND OR WATER BOUNDARY
SHALL BE CLEARLY MARKED BY HIGHLY VISIBLE
FENCING (ORANGE SAFETY FENCE).

★ PROPOSED SIGNAL
SEE SHEET 8 FOR -L- PROFILE

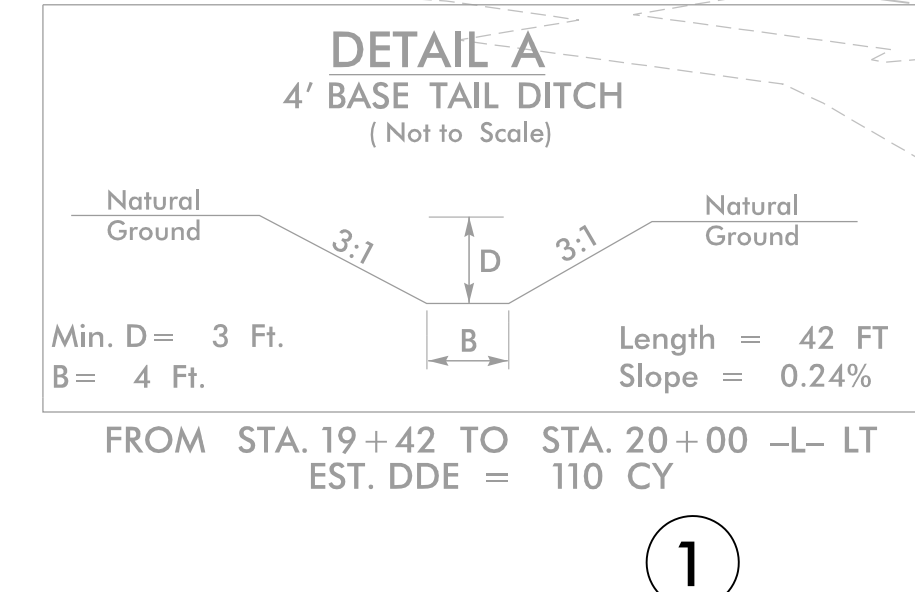
MATCHLINE -Y4- STA. 30+50, SEE SHEET 7

ROW REV. - JUNE 19, 2019 - ADDITION OF PARCEL 16 (ROW AND TCE) ADDITION OF PARCEL 17 (PUE AND TCE) ADDITION OF PARCEL 18 (PUE) ADDED PUE AND TCE TO PARCEL 1. CEH
 ROW REV. - AUGUST 16, 2019 - REMOVED TEMPORARY CONSTRUCTION EASEMENT (TCE) FROM PARCELS 16 & 17. TCE REDUCED ON PARCEL 1. ADDED PARCEL 15A FOR EASTPORT HOA. CEH.

REVISIONS
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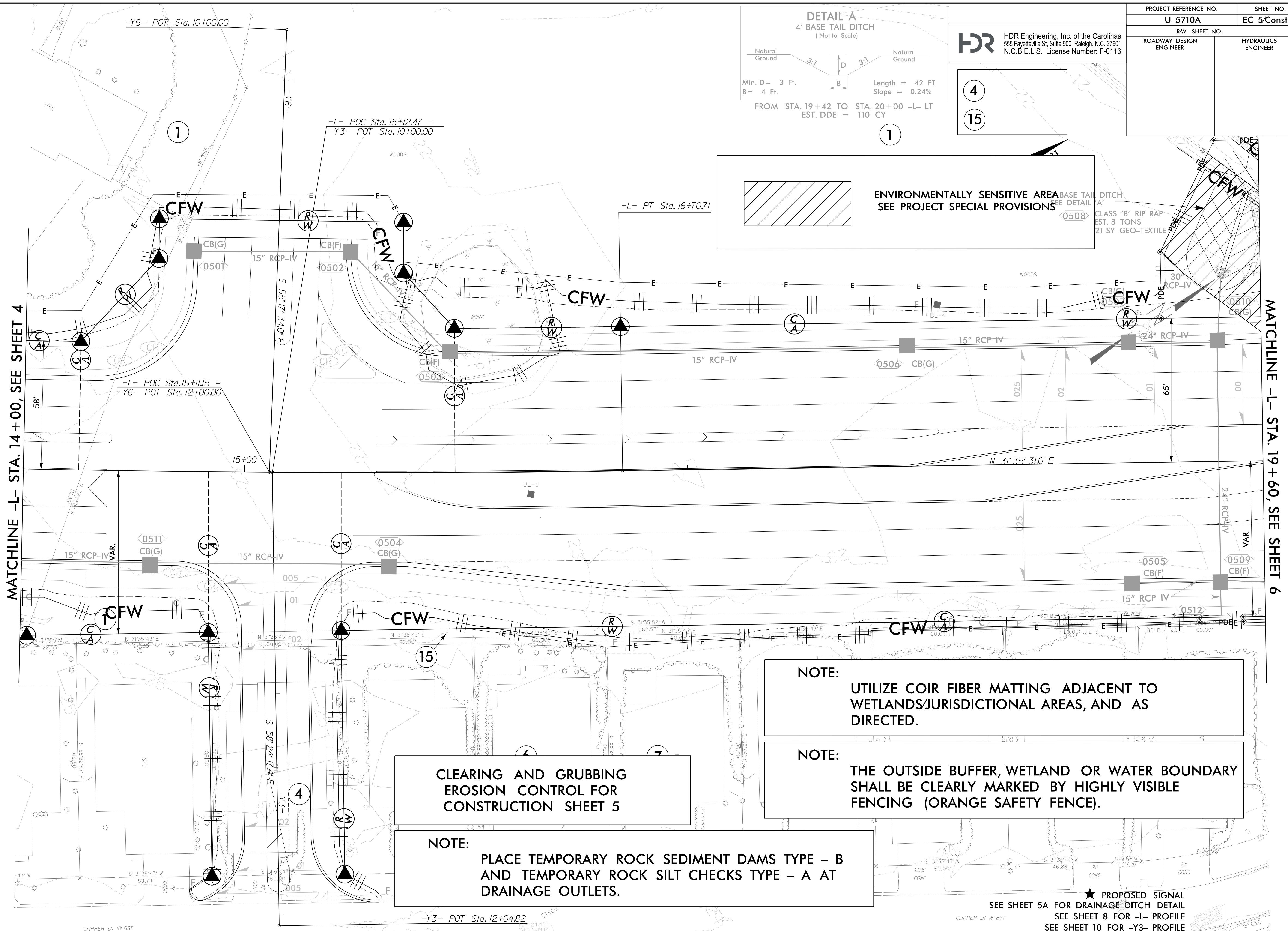
PROJECT REFERENCE NO.	SHEET NO.
U-5710A	EC-5Const. 5
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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



4
15

ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS



MATCHLINE -L- STA. 14 + 00, SEE SHEET 4

MATCHLINE -L- STA. 19 + 60, SEE SHEET 6

NOTE:
UTILIZE COIR FIBER MATTING ADJACENT TO WETLANDS/JURISDICTIONAL AREAS, AND AS DIRECTED.

NOTE:
THE OUTSIDE BUFFER, WETLAND OR WATER BOUNDARY SHALL BE CLEARLY MARKED BY HIGHLY VISIBLE FENCING (ORANGE SAFETY FENCE).

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.

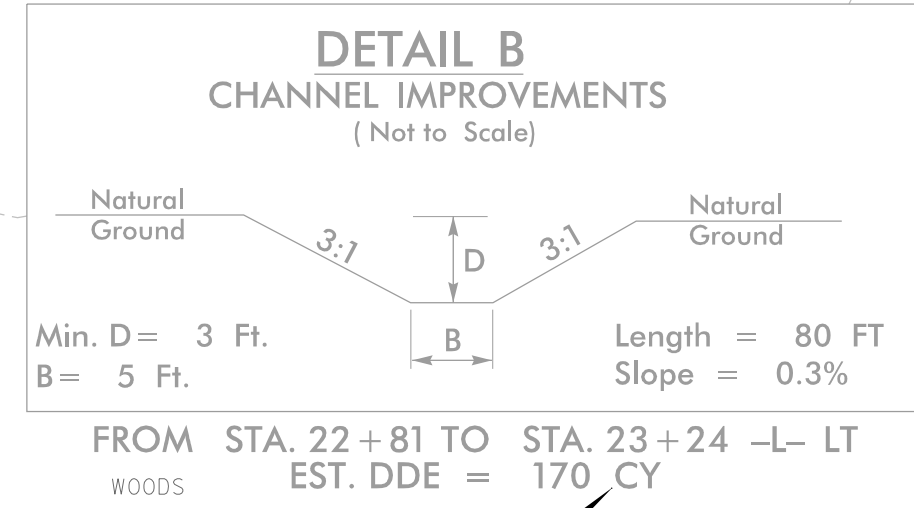
★ PROPOSED SIGNAL
SEE SHEET 5A FOR DRAINAGE DITCH DETAIL
SEE SHEET 8 FOR -L- PROFILE
SEE SHEET 10 FOR -Y3- PROFILE

ROW REV. - JUNE 19, 2019 - ADDED TCE TO PARCELS 1 & 2. ADDITIONAL PDE AND TWEAKED ROW ON PARCEL 2. REDUCED TCE ON PARCELS 6, 7, 8 AND 9. CEH
 ROW REV. - AUGUST 16, 2019 - PARCEL 2 RE-NUMBERED TO PARCEL 1. ADDED RIGHT OF WAY AND TCE AROUND CENTERPOINT STUBOUT ON PARCEL 1. REMOVED TCE ON PARCELS 3 & 5
 ELIMINATING CLAIMS. PARCEL 15A ADDED FOR EASTPORT HOA. CEH.

REVISIONS
 PLOT DRIVER: NCDOT...
 USER: DWAGNER
 FILE: North_Carolina_Dept_of_Transportation\2014_16_Planning_Design\LSA\U-5710A\16_Planning_Design\Engineering_omd\Design\U-5710A\5710A_EC_PSH.dgn

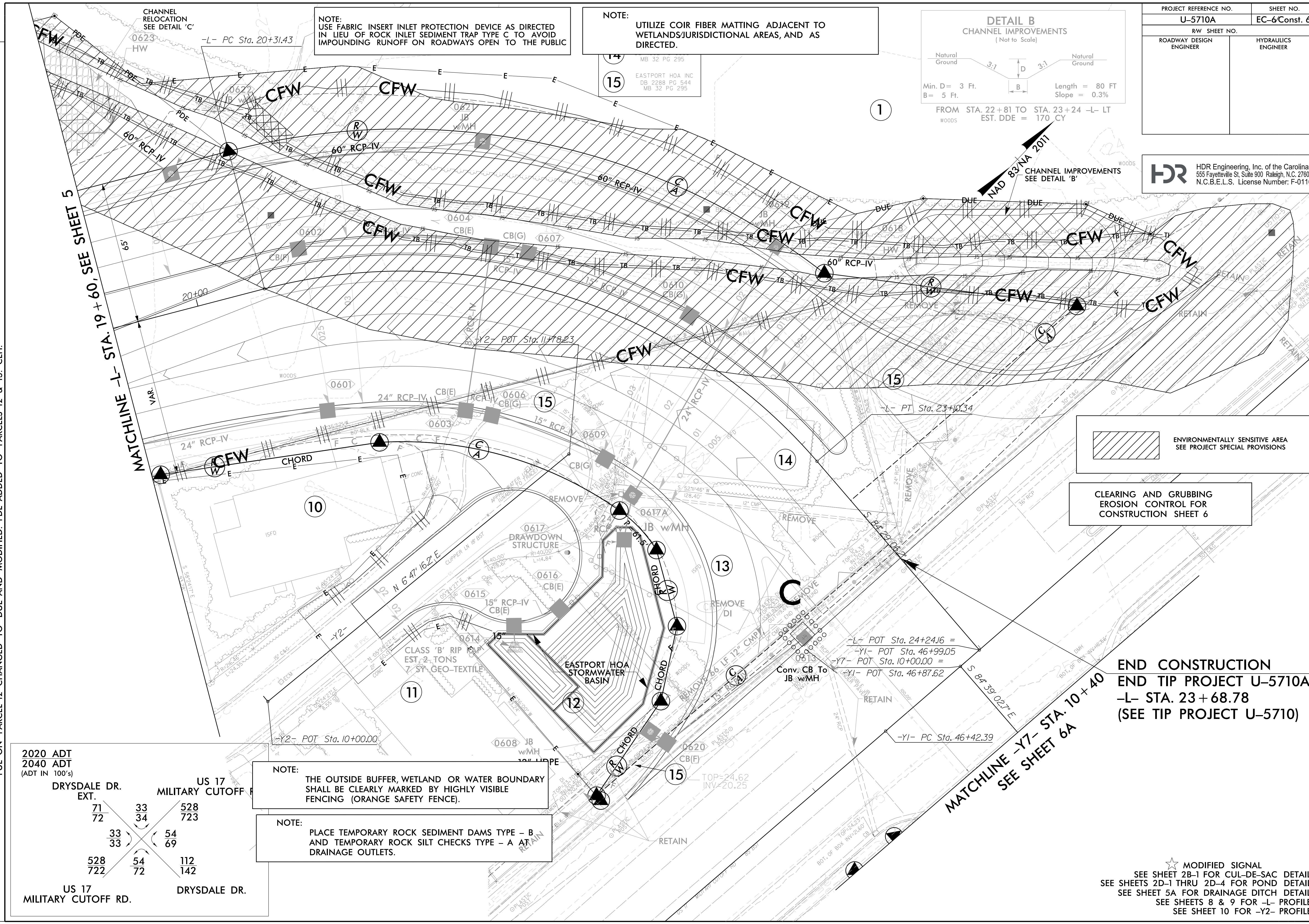
PROJECT REFERENCE NO.	SHEET NO.
U-5710A	EC-6Const. 6
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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



NOTE:
 USE FABRIC INSERT INLET PROTECTION DEVICE AS DIRECTED IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C TO AVOID IMPOUNDING RUNOFF ON ROADWAYS OPEN TO THE PUBLIC

NOTE:
 UTILIZE COIR FIBER MATTING ADJACENT TO WETLANDS/JURISDICTIONAL AREAS, AND AS DIRECTED.



ENVIRONMENTALLY SENSITIVE AREA
 SEE PROJECT SPECIAL PROVISIONS

CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 6

END CONSTRUCTION
END TIP PROJECT U-5710A
 -L- STA. 23+68.78
 (SEE TIP PROJECT U-5710)

2020 ADT		2040 ADT	
(ADT IN 100's)			
DRYSDALE DR. EXT.		US 17 MILITARY CUTOFF RD.	
71	33	528	723
72	34	723	
33	54		
33	69		
528	112		
722	142		
US 17 MILITARY CUTOFF RD.		DRYSDALE DR.	

NOTE:
 THE OUTSIDE BUFFER, WETLAND OR WATER BOUNDARY SHALL BE CLEARLY MARKED BY HIGHLY VISIBLE FENCING (ORANGE SAFETY FENCE).

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

REVISIONS

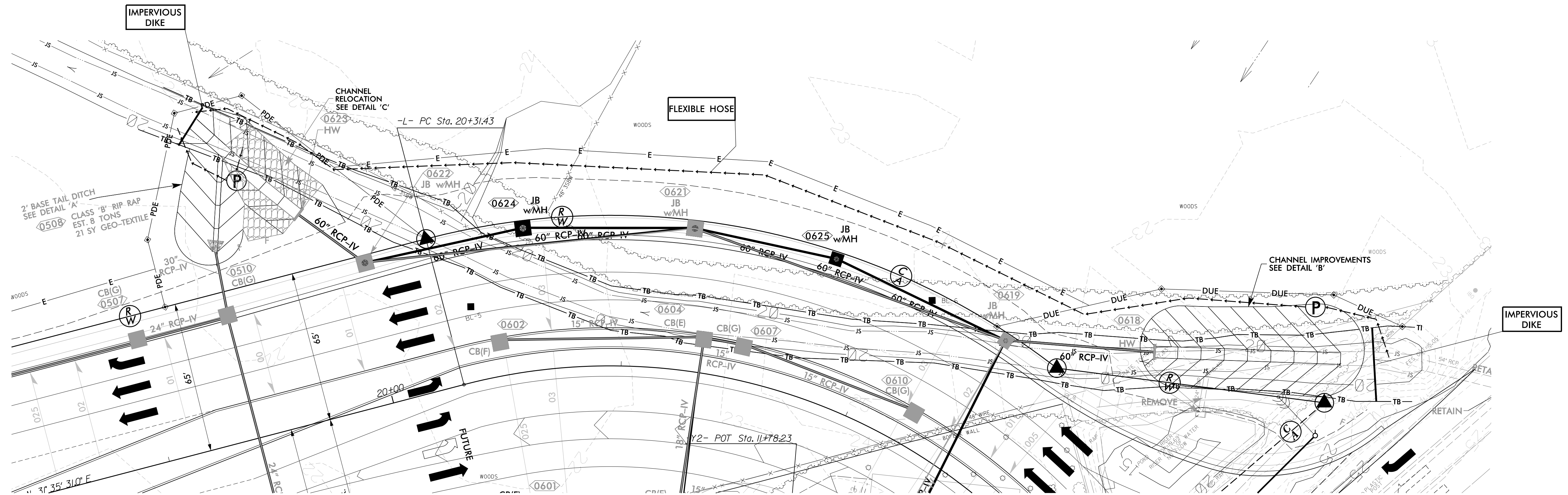
REV. - MAY 28, 2019 - PUE ADDED TO PARCEL 12. CEH
 ROW REV. - JUNE 19, 2019 - REVISED PDE AND ADDED TCE TO PARCEL 2. REVISED TCE TO STAY OFF OF HOUSE ON PARCEL 10. CEH.
 ROW REV. - JUNE 19, 2019 - REVISED PDE AND ADDED TCE TO PARCEL 11. ROW ADJUSTED AND REDUCED ON PARCELS 12 & 13.
 ROW REV. - AUGUST 16, 2019 - PARCEL 2 RE-NUMBERED TO PARCEL 1. ROW ADDED TO PARCEL 11. ROW ADJUSTED AND REDUCED ON PARCELS 12 & 13. CEH.
 PUE ON PARCEL 12 CHANGED TO DUE AND MODIFIED. PDE ADDED TO PARCELS 12 & 13. CEH.

PLOT DRIVER: NCDOT_ec_color_eng_100.plt
 USER: DWAGNER
 PENTABLE: NCDOT_EC_C&G_BW.tbl
 TIME: 3:40:02 PM
 DATE: 12/8/2021
 FILE: North_Carolina_Dept_of_Transportation\2014_16_Planning_Design\LSA\U-5710A\U-5710A_T0_4_c\06.00_Project_Engineering_and_Design\U-5710A_EC_PSH.dgn

★ MODIFIED SIGNAL
 SEE SHEET 2B-1 FOR CUL-DE-SAC DETAIL
 SEE SHEETS 2D-1 THRU 2D-4 FOR POND DETAIL
 SEE SHEET 5A FOR DRAINAGE DITCH DETAIL
 SEE SHEETS 8 & 9 FOR -L- PROFILE
 SEE SHEET 10 FOR -Y2- PROFILE

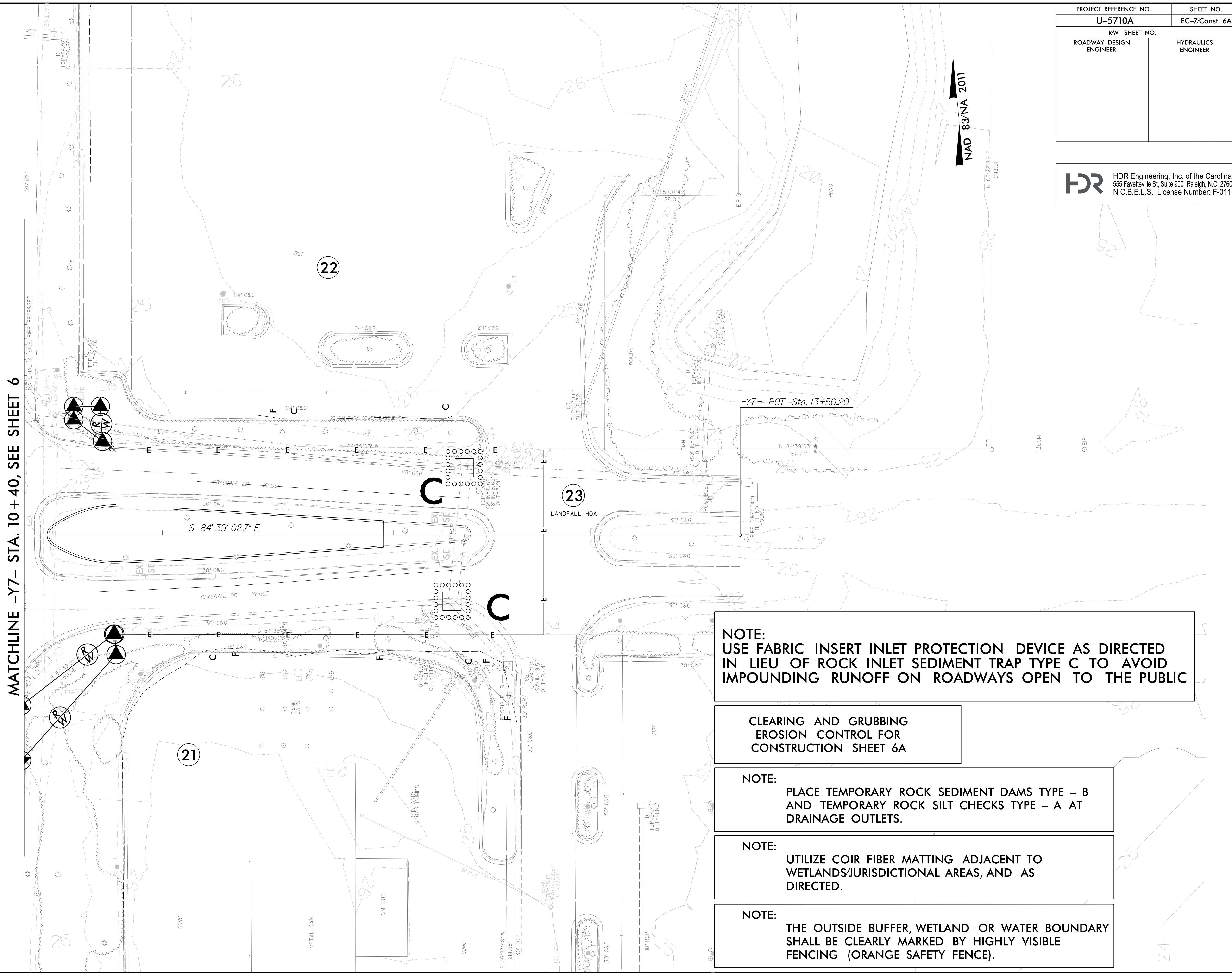
PROJECT REFERENCE NO.	SHEET NO.
U-5710A	EC-6/CONST.6A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

60" RCP CONSTRUCTION SEQUENCE STA. 20+00 -L- LT



1. INSTALL IMPERVIOUS DIKES AT EXISTING 54" CULVERT OUTLET AND DOWNSTREAM OF WORK ZONE.
2. PROVIDE PUMP AND SPECIAL STILLING BASIN FOR DEWATERING OF THE WORK ZONE. USE FILTER FABRIC OR OTHER APPROPRIATE MEASURES TO PROTECT STREAM BANKS AROUND SPECIAL STILLING BASIN. ENSURE SPECIAL STILLING BASINS ARE LOCATED WITHIN EASEMENTS AND WITHIN PERMITTED IMPACT LOCATIONS.
3. UTILIZING PUMP AROUND OPERATION AND FLEXIBLE HOSE, CONSTRUCT 60" PIPES AND CHANNEL IMPROVEMENTS DOWNSTREAM AND UPSTREAM.
4. REMOVE IMPERVIOUS DIKES AND ALLOW STREAM TO FLOW INTO NEWLY CONSTRUCTED PIPES.
5. COMPLETE THE ROADWAY CONSTRUCTION.

MATCHLINE -Y7- STA. 10 + 40, SEE SHEET 6



PROJECT REFERENCE NO. U-5710A	SHEET NO. EC-7/Const. 6A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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

NOTE:
 USE FABRIC INSERT INLET PROTECTION DEVICE AS DIRECTED IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C TO AVOID IMPOUNDING RUNOFF ON ROADWAYS OPEN TO THE PUBLIC

**CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 6A**

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

NOTE:
 UTILIZE COIR FIBER MATTING ADJACENT TO WETLANDS/JURISDICTIONAL AREAS, AND AS DIRECTED.

NOTE:
 THE OUTSIDE BUFFER, WETLAND OR WATER BOUNDARY SHALL BE CLEARLY MARKED BY HIGHLY VISIBLE FENCING (ORANGE SAFETY FENCE).

NAD 83/NA 2011

PROJECT REFERENCE NO.	SHEET NO.
U-5710A	EC-8Const. 7
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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

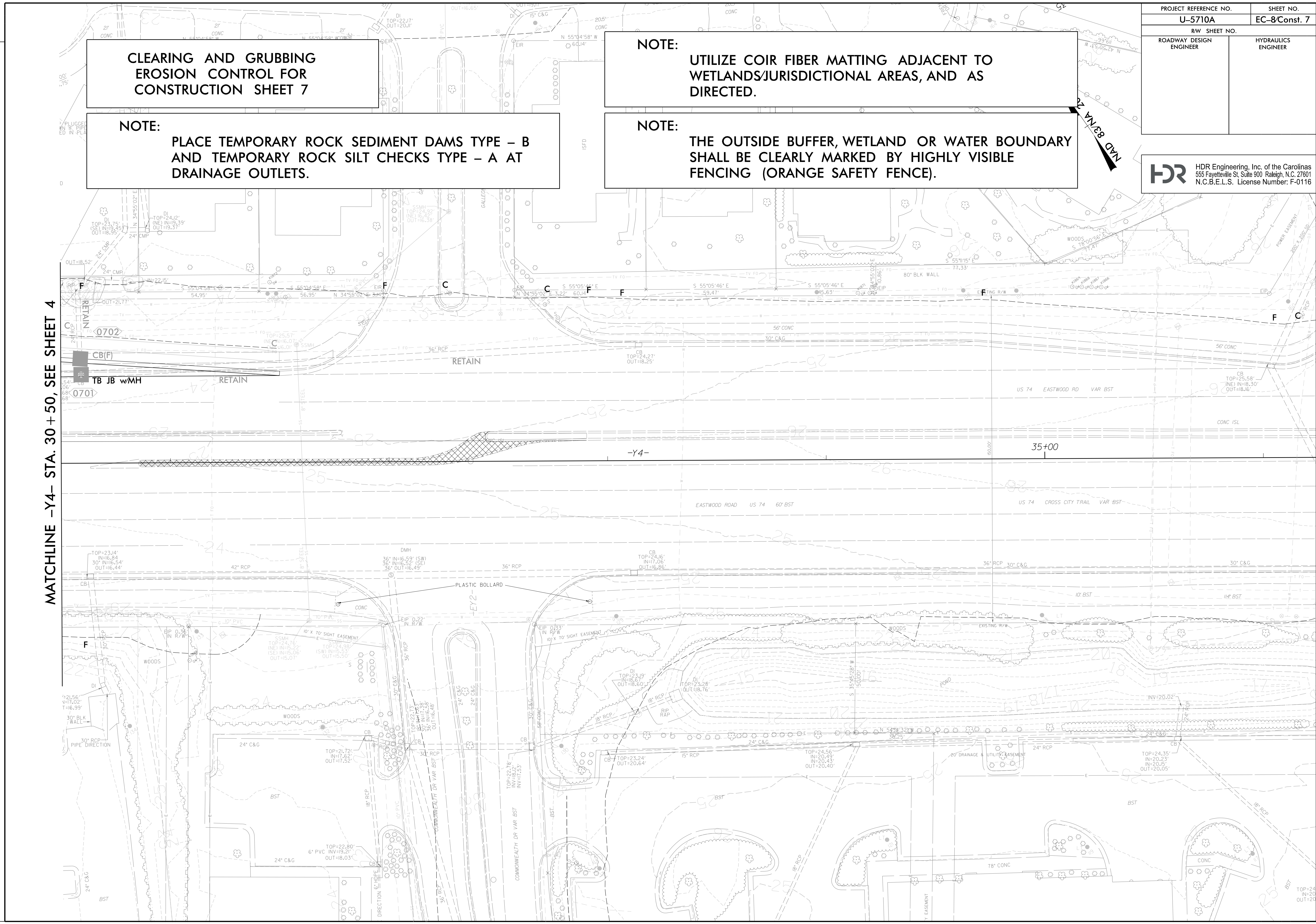
**CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 7**

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

NOTE:
UTILIZE COIR FIBER MATTING ADJACENT TO
WETLANDS/JURISDICTIONAL AREAS, AND AS
DIRECTED.

NOTE:
THE OUTSIDE BUFFER, WETLAND OR WATER BOUNDARY
SHALL BE CLEARLY MARKED BY HIGHLY VISIBLE
FENCING (ORANGE SAFETY FENCE).

MATCHLINE -Y4- STA. 30+50, SEE SHEET 4



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TIME: 3:40:44 PM
DATE: 12/8/2021
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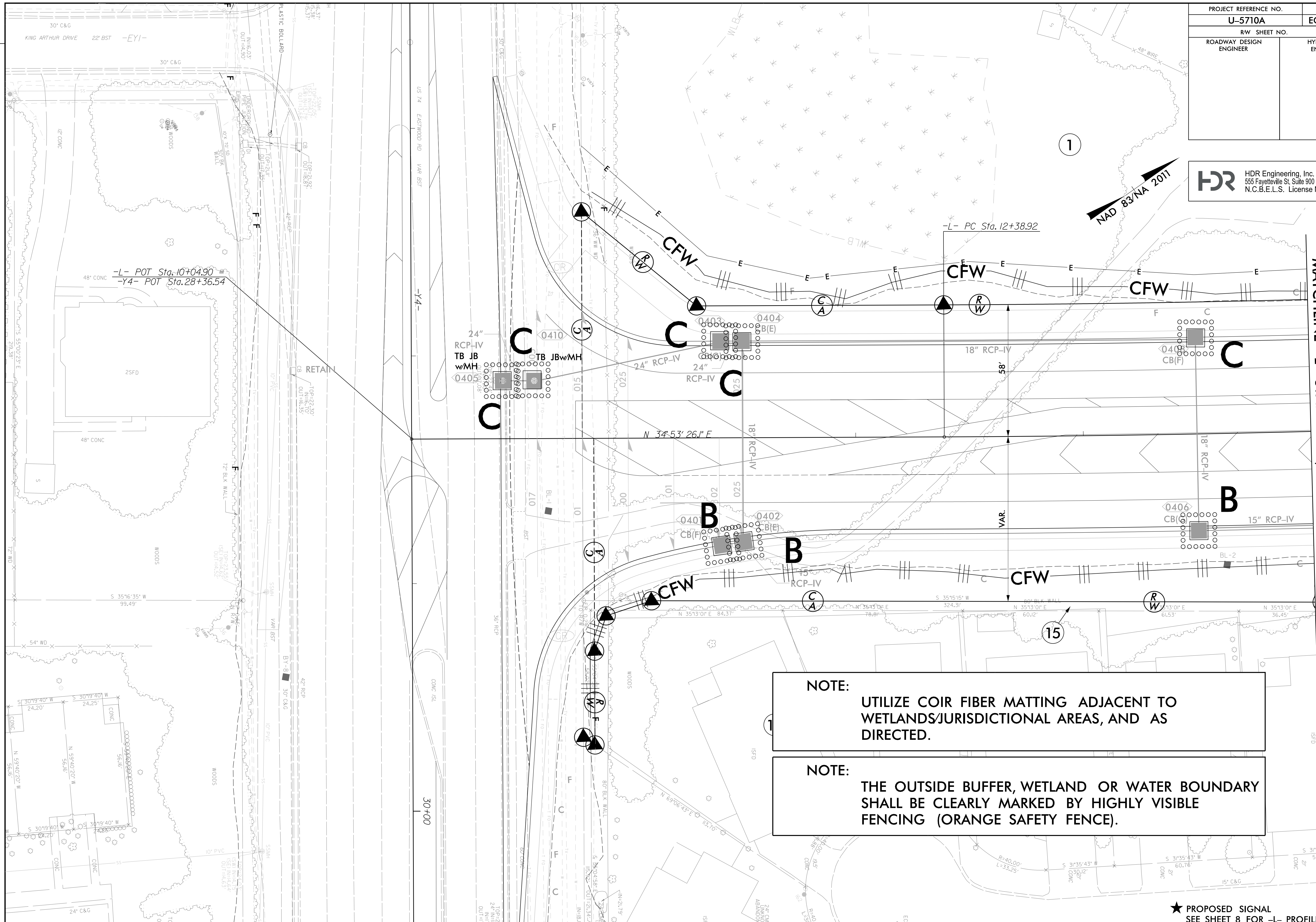
REVISIONS
ROW REV - JUNE 19, 2019 - ADDITION OF PARCEL 18 (PUE AND DUE). ADDITION OF PARCEL 19 (ROW, DUE AND TCE). ADDITION OF PARCEL 20 (ROW, PUE AND TCE). CEH.
ROW REV - AUGUST 16, 2019 - REMOVED TEMPORARY CONSTRUCTION EASEMENT (TCE) FROM PARCELS 19 & 20. CEH.

PROJECT REFERENCE NO. U-5710A	SHEET NO. EC-9/Const. 4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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MATCHLINE -L- STA. 14+00, SEE SHEET 5



NOTE:
UTILIZE COIR FIBER MATTING ADJACENT TO WETLANDS/JURISDICTIONAL AREAS, AND AS DIRECTED.

NOTE:
THE OUTSIDE BUFFER, WETLAND OR WATER BOUNDARY SHALL BE CLEARLY MARKED BY HIGHLY VISIBLE FENCING (ORANGE SAFETY FENCE).

★ PROPOSED SIGNAL
SEE SHEET 8 FOR -L- PROFILE

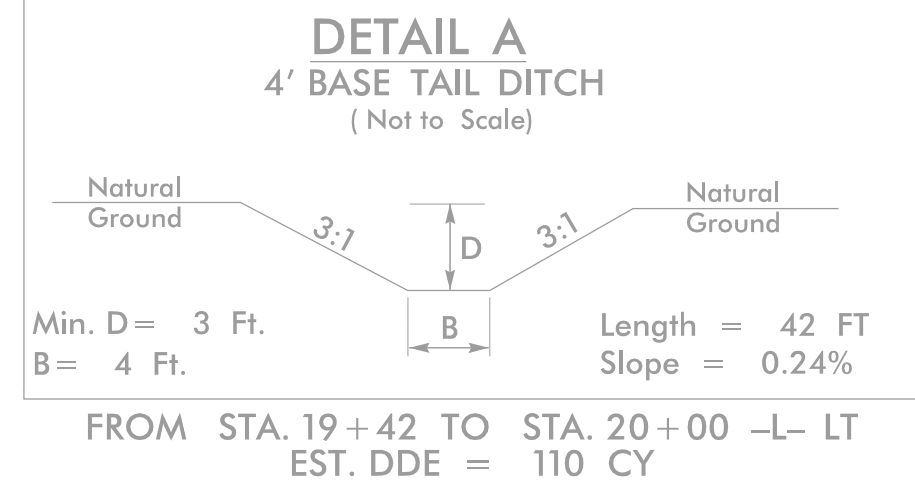
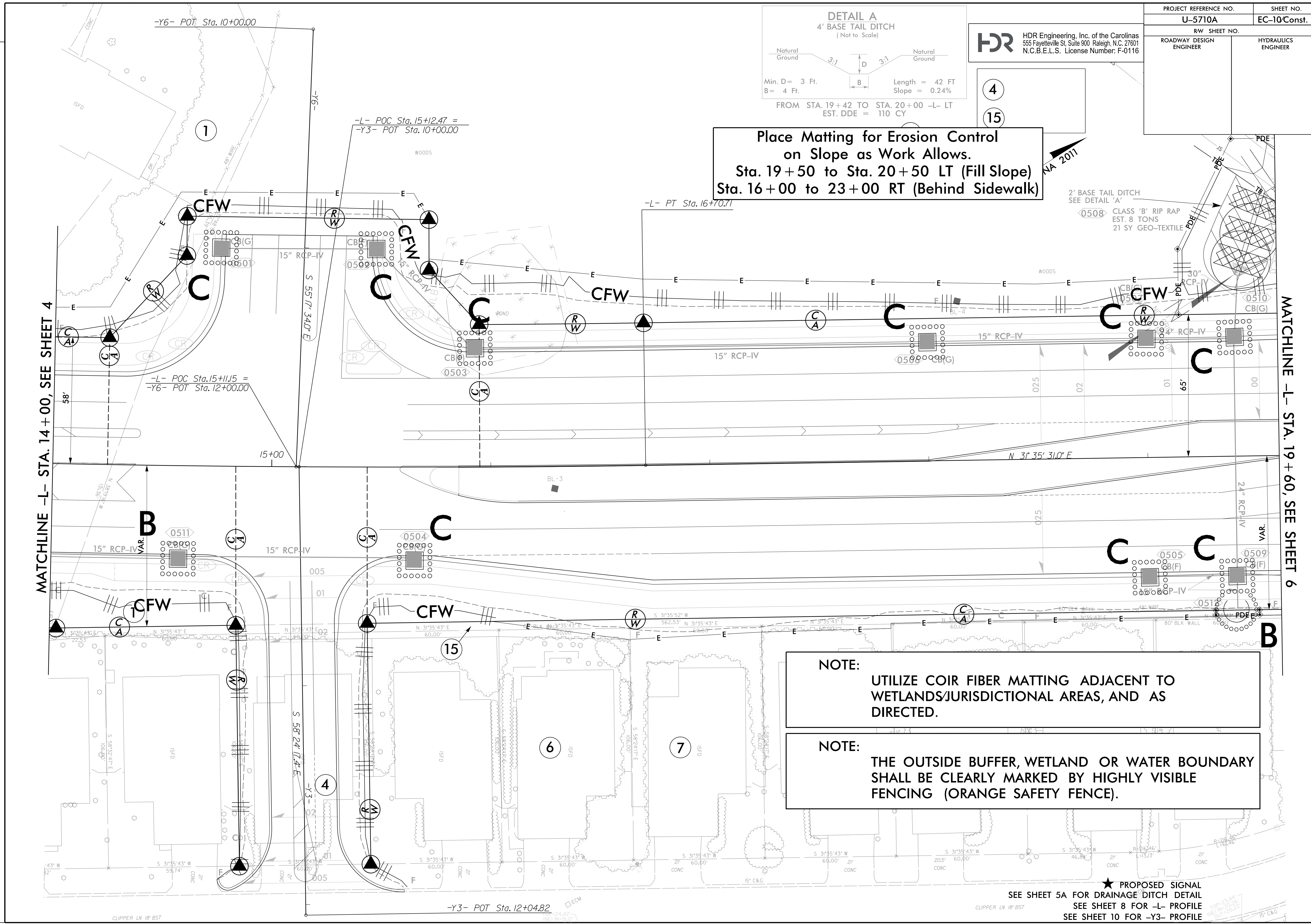
MATCHLINE -Y4- STA. 30+50, SEE SHEET 7

ROW REV. - JUNE 19, 2019 - ADDITION OF PARCEL 16 (ROW AND TCE), ADDITION OF PARCEL 17 (PUE AND TCE), ADDITION OF PARCEL 18 (PUE), ADDED PUE AND TCE TO PARCEL 1. CEH.
 ROW REV. - AUGUST 16, 2019 - REMOVED TEMPORARY CONSTRUCTION EASEMENT (TCE) FROM PARCELS 16 & 17. TCE REDUCED ON PARCEL 1. ADDED PARCEL 15A FOR EASTPORT HOA. CEH.

REVISIONS
 PLOT DRIVER: NCDOT_pdf_color_eng_100.pht
 USER: DWAGNER
 FILE: North_Carolina_Dept_of_Transportation\2014_16_Planning_Design_LSA\U-5710_TO_4_c\06_00_Project_Engineering_and_Design\U-5710A_EC_PSH.dgn
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 DATE: 12/8/2021
 TIME: 3:41:31 PM

REVISIONS

REV. - JUNE 19, 2019 - ADDED TCE TO PARCELS 1 & 2. ADDITIONAL PDE AND TWEAKED ROW ON PARCEL 2. REDUCED TCE ON PARCELS 6, 7, 8 AND 9. CEH.
 ROW REV. - AUGUST 16, 2019 - PARCEL 2 RE-NUMBERED TO PARCEL 1. ADDED RIGHT OF WAY AND TCE AROUND CENTERPOINT STUBOUT ON PARCEL 1. REMOVED TCE ON PARCELS 3 & 5
 ELIMINATING CLAIMS. PARCEL 15A ADDED FOR EASTPORT HOA. CEH.



PROJECT REFERENCE NO. U-5710A	SHEET NO. EC-10Const. 5
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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4
 15

2' BASE TAIL DITCH
 SEE DETAIL 'A'

0508 CLASS 'B' RIP RAP
 EST. 8 TONS
 21 SY GEO-TEXTILE

Place Matting for Erosion Control
 on Slope as Work Allows.
 Sta. 19+50 to Sta. 20+50 LT (Fill Slope)
 Sta. 16+00 to 23+00 RT (Behind Sidewalk)

NOTE:
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NOTE:
 THE OUTSIDE BUFFER, WETLAND OR WATER BOUNDARY SHALL BE CLEARLY MARKED BY HIGHLY VISIBLE FENCING (ORANGE SAFETY FENCE).

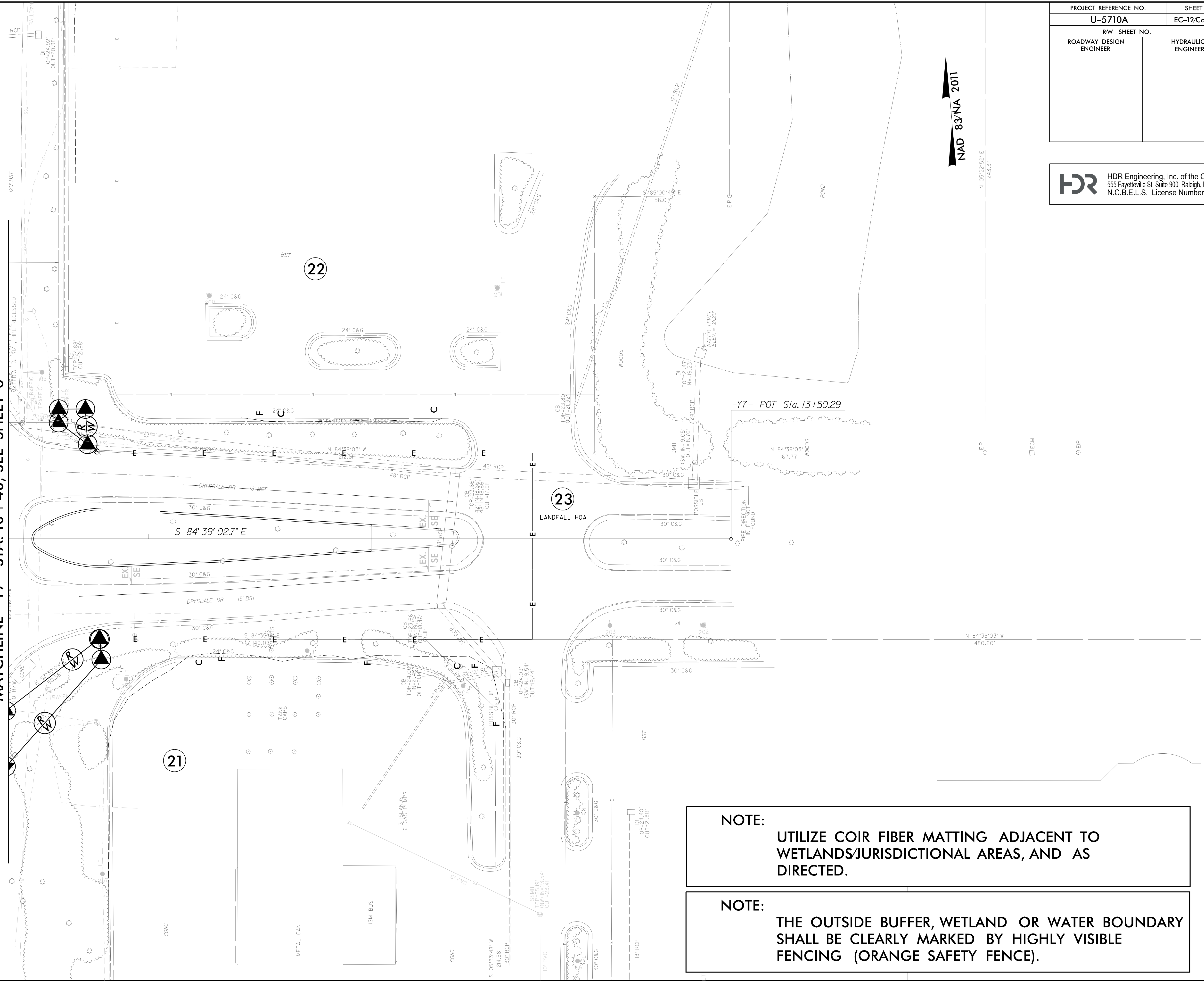
★ PROPOSED SIGNAL
 SEE SHEET 5A FOR DRAINAGE DITCH DETAIL
 SEE SHEET 8 FOR -L- PROFILE
 SEE SHEET 10 FOR -Y3- PROFILE

MATCHLINE -L- STA. 14+00, SEE SHEET 4

MATCHLINE -L- STA. 19+60, SEE SHEET 6

REVISIONS

MATCHLINE -Y7- STA. 10 + 40, SEE SHEET 6




NOTE:
 UTILIZE COIR FIBER MATTING ADJACENT TO WETLANDS/JURISDICTIONAL AREAS, AND AS DIRECTED.

NOTE:
 THE OUTSIDE BUFFER, WETLAND OR WATER BOUNDARY SHALL BE CLEARLY MARKED BY HIGHLY VISIBLE FENCING (ORANGE SAFETY FENCE).

NAD 83/NA 2011

N 05°22'27" E
 243.31'

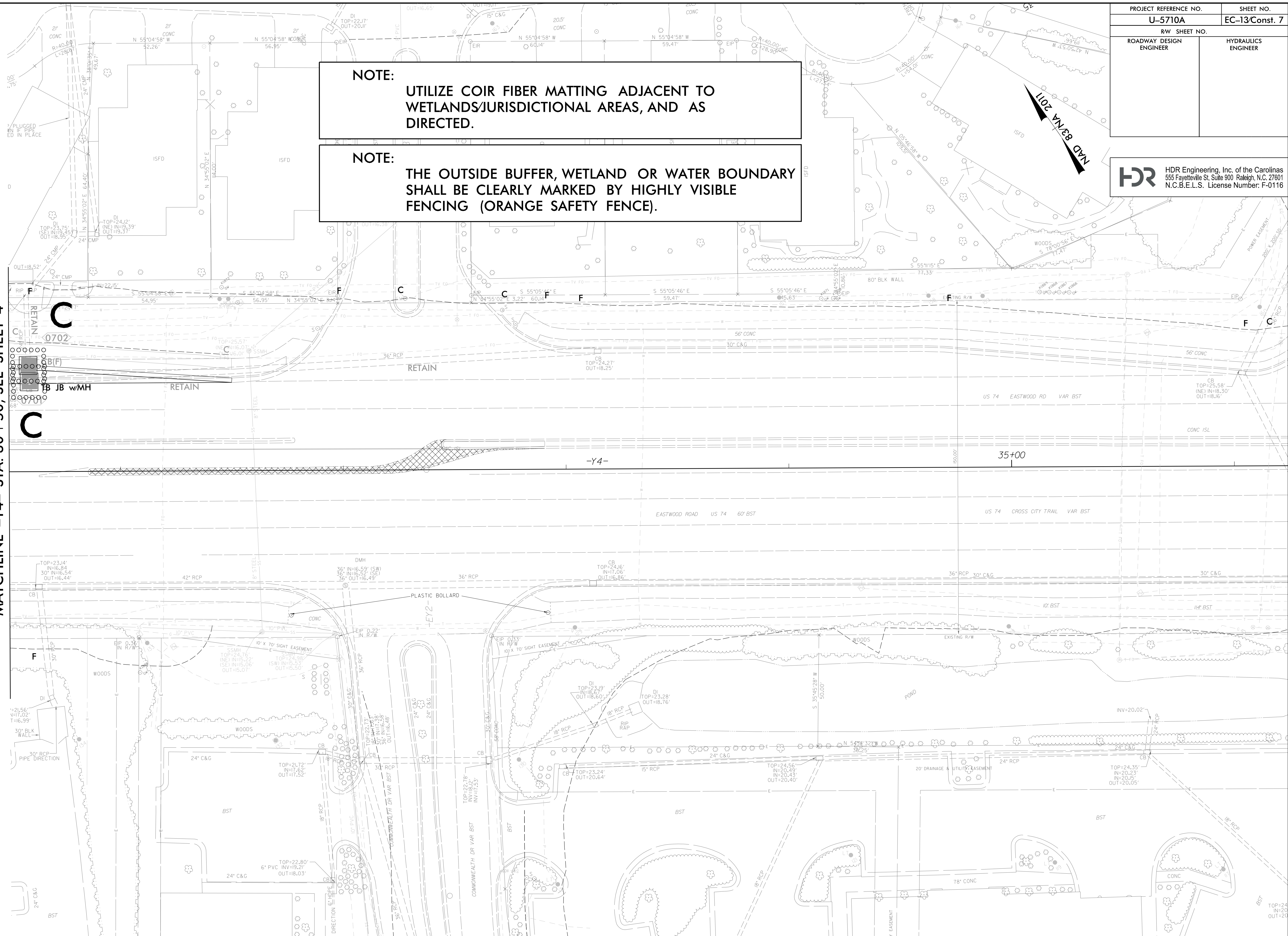
N 84°39'03" W
 480.60'

PROJECT REFERENCE NO. U-5710A	SHEET NO. EC-12/Const. 6A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
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REVISIONS

ROW REV. - JUNE 19, 2019 - ADDITION OF PARCEL 18 (PUE AND DUE). ADDITION OF PARCEL 20 (ROW, PUE AND TCE). CEH.
ROW REV. - AUGUST 16, 2019 - REMOVED TEMPORARY CONSTRUCTION EASEMENT (TCE) FROM PARCELS 19 & 20. CEH.

MATCHLINE -Y4- STA. 30+50, SEE SHEET 4



NOTE:
UTILIZE COIR FIBER MATTING ADJACENT TO WETLANDS/JURISDICTIONAL AREAS, AND AS DIRECTED.

NOTE:
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PROJECT REFERENCE NO.	SHEET NO.
U-5710A	EC-13/Const. 7
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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