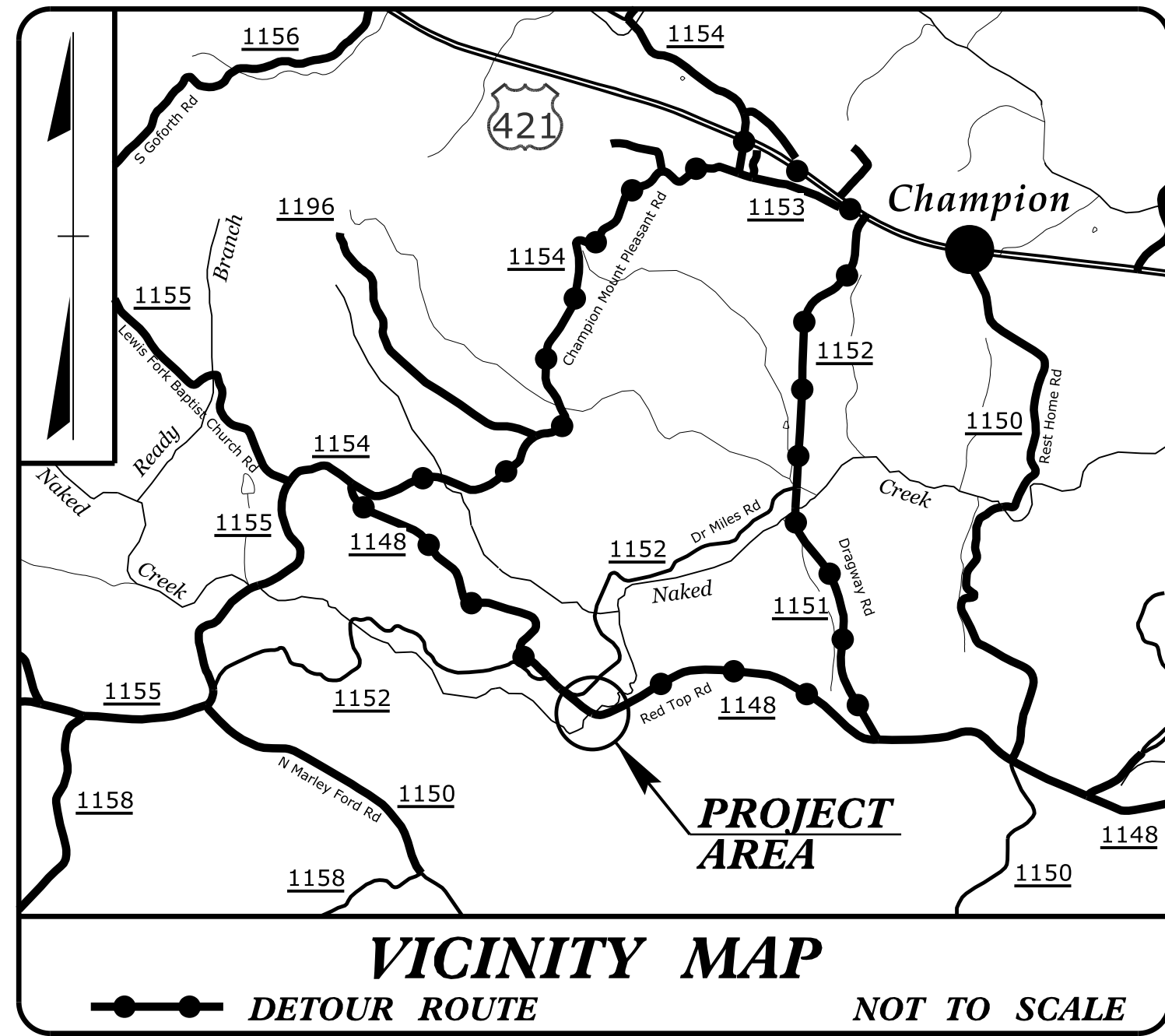


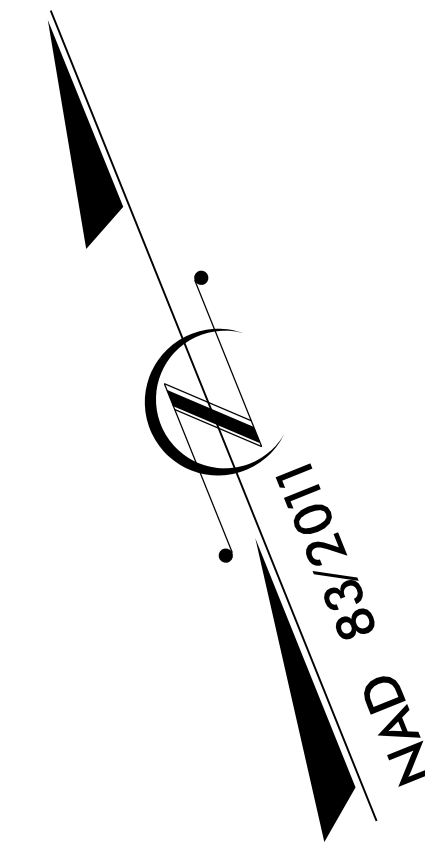
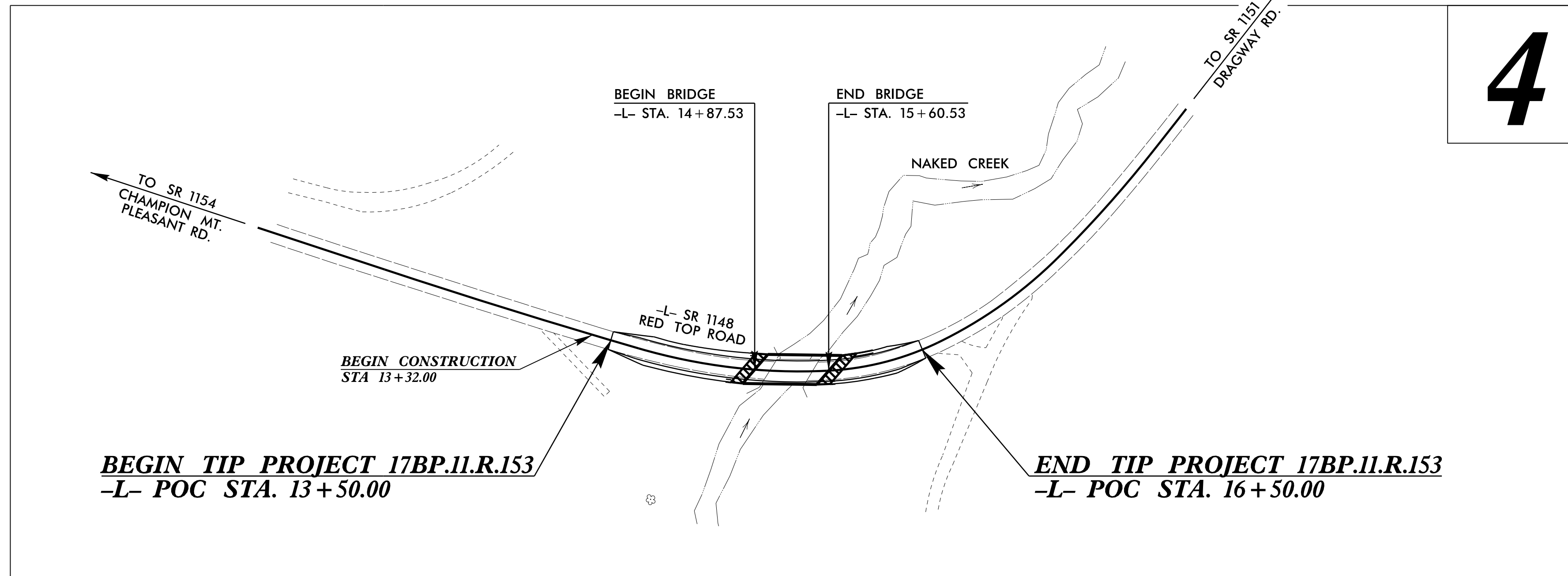
TIP PROJECT: 17BP.11.R.153



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

**LOCATION: REPLACE BRIDGE NO. 419 ON SR 1148
(RED TOP ROAD) OVER NAKED CREEK**

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

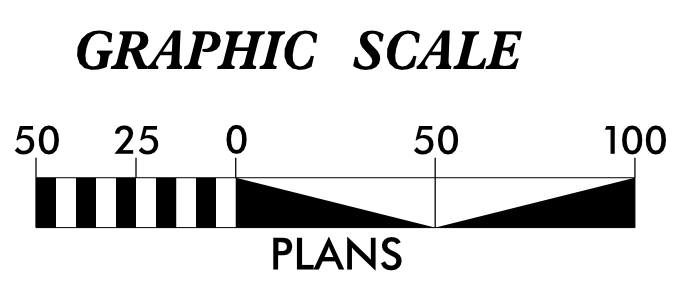


STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	17BP.11.R.153	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
17BP.11.R.153		PE	

EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1630.03	Temporary Silt Ditch	TSO
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	TSD
1630.02	Silt Basin Type B	Symbol
1633.01	Temporary Rock Silt Check Type-A	Symbol
	Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	Symbol
1633.02	Temporary Rock Silt Check Type-B	Symbol
	Wattle / Coir Fiber Wattle	Symbol
	Wattle / Coir Fiber Wattle with Polyacrylamide (PAM)	Symbol
1634.01	Temporary Rock Sediment Dam Type-A	Symbol
1634.02	Temporary Rock Sediment Dam Type-B	Symbol
1635.01	Rock Pipe Inlet Sediment Trap Type-A	Symbol
1635.02	Rock Pipe Inlet Sediment Trap Type-B	Symbol
1630.04	Stilling Basin	Symbol
1630.06	Special Stilling Basin	Symbol
	Rock Inlet Sediment Trap:	
1632.01	Type A	A
1632.02	Type B	B
1632.03	Type C	C
	Skimmer Basin	Symbol
	Tiered Skimmer Basin	Symbol
	Infiltration Basin	Symbol

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



**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:

DEWBERRY
2610 WYCLIFF ROAD, SUITE 410
RALEIGH, NC 27607
PHONE: 919.881.9939
NC COA No. F-0929

Designed by:

STEVEN BONDOR, PE **3077**
NAME LEVEL III CERTIFICATION NO.

Roadway Standard Drawings

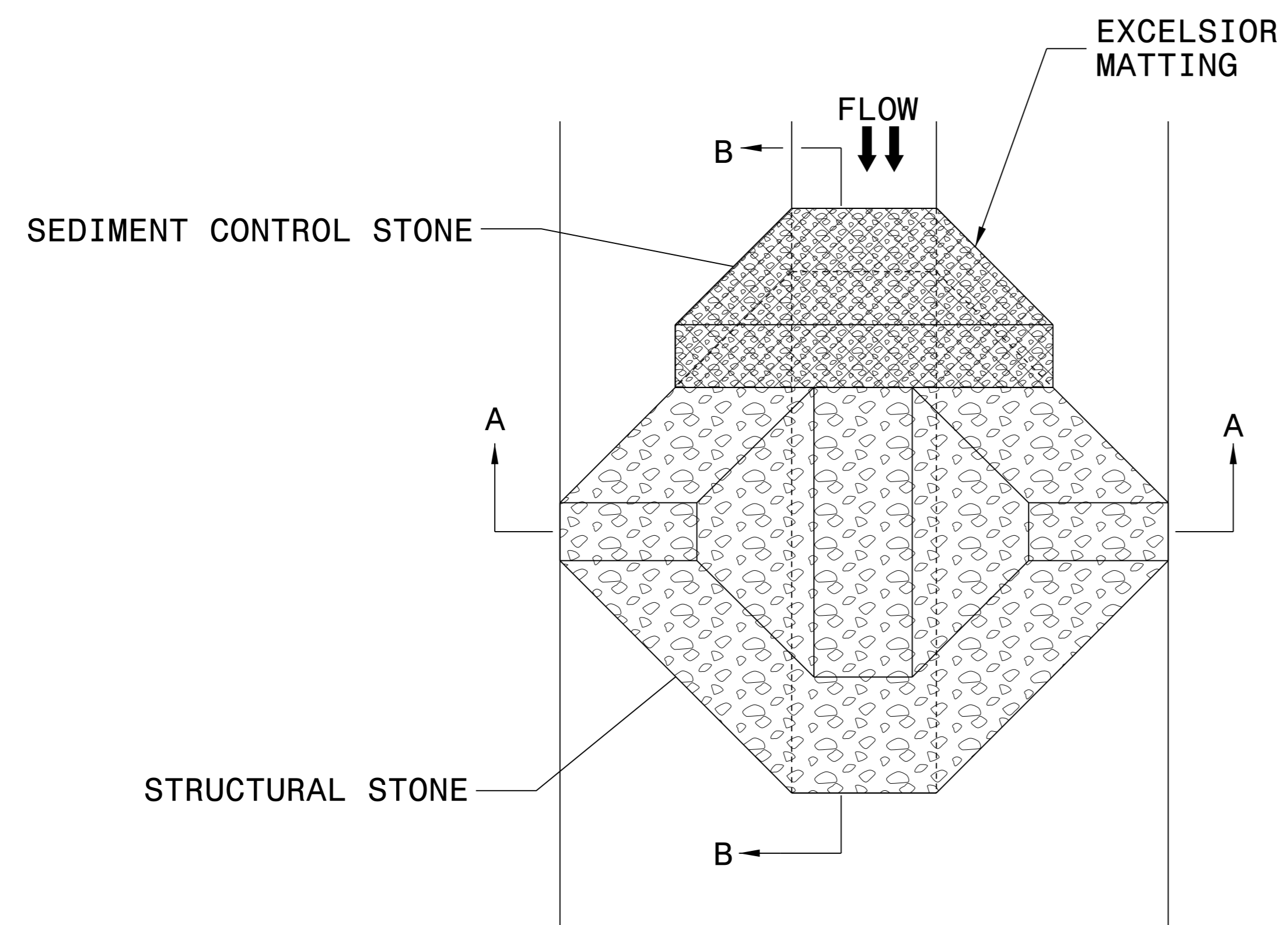
The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 2018 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

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 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 Jaffle
1630.06 Special Stilling Basin	1645.01 Temporary Stream Crossing
1631.01 Matting Installation	

4/16/2023 9:17:57 AM \\s3-hyd-ec-tsh.dgn User: sbondor

PROJECT REFERENCE NO. 17BP.JI.R.153	SHEET NO. EC-2
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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



PLAN

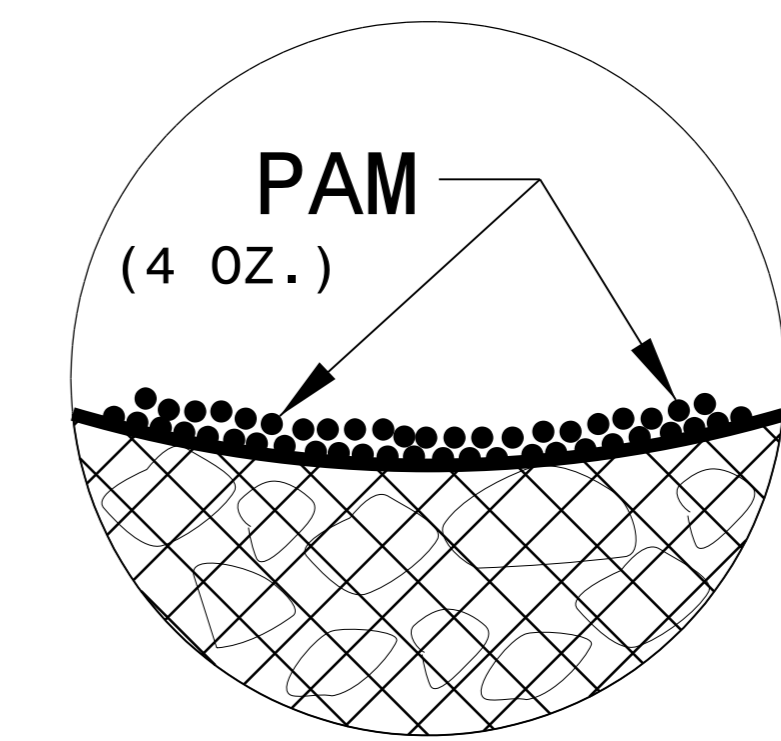
NOTES:

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

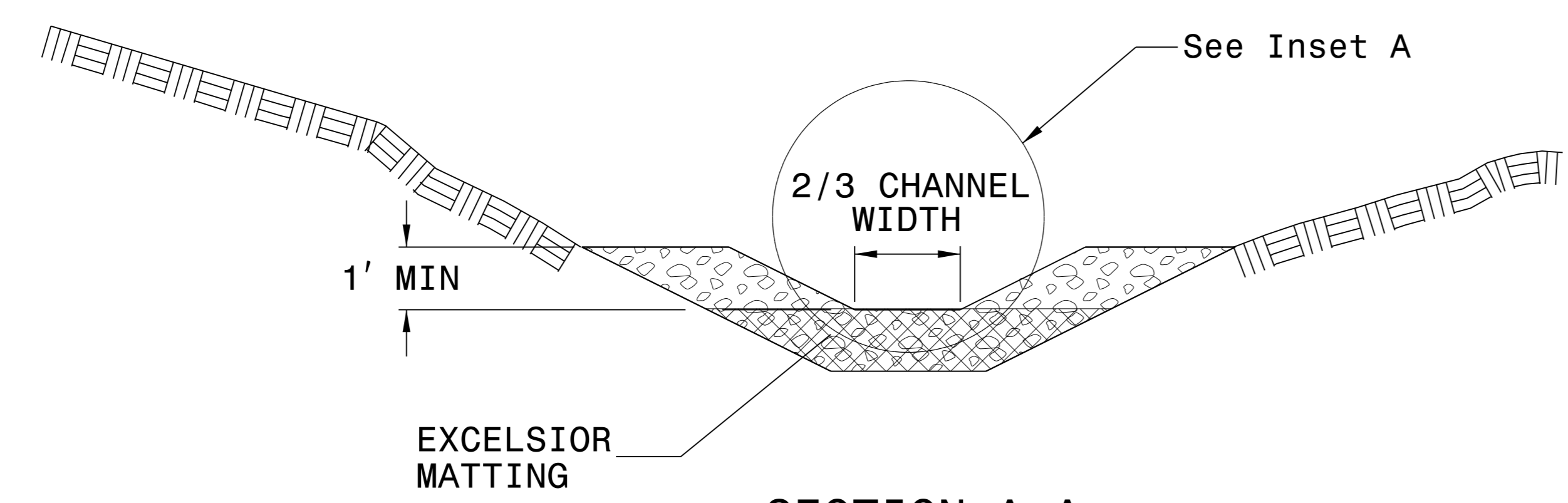
USE EXCELSIOR FOR MATTING MATERIAL AND ANCHOR MATTING SECTION AT TOP AND BOTTOM WITH CLASS B STONE.

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.

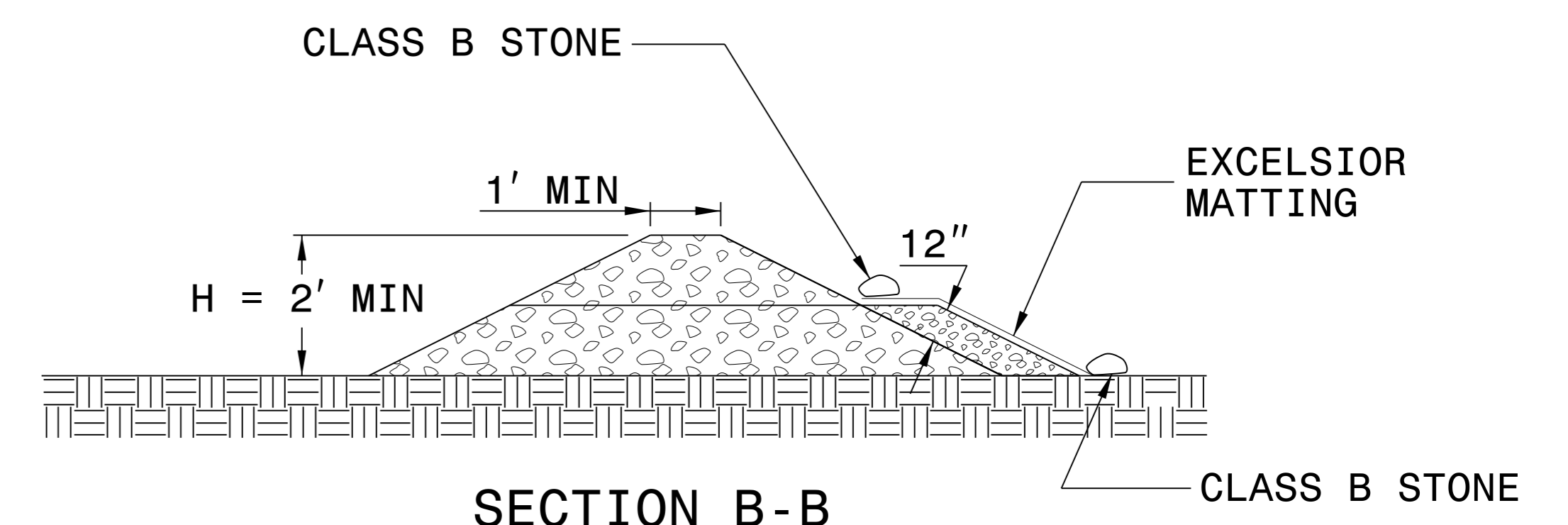
INITIALLY APPLY 4 OUNCES OF POLYACRYLAMIDE (PAM) TO TOP OF MATTING SECTION AND AFTER EVERY RAINFALL EVENT THAT EQUALS OR EXCEEDS 0.50 INCHES.



INSET A



SECTION A-A



SECTION B-B

NOT TO SCALE

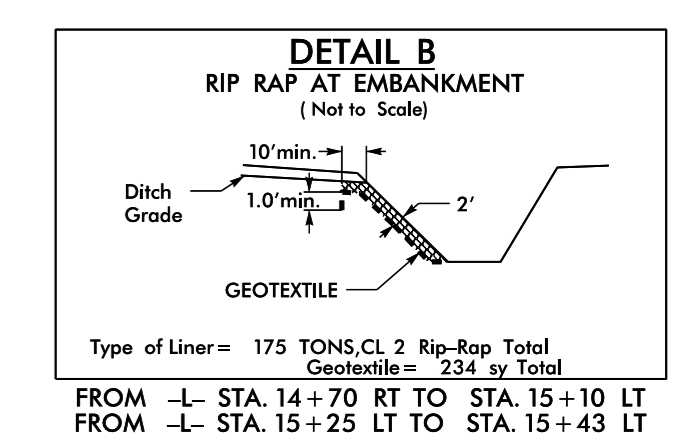
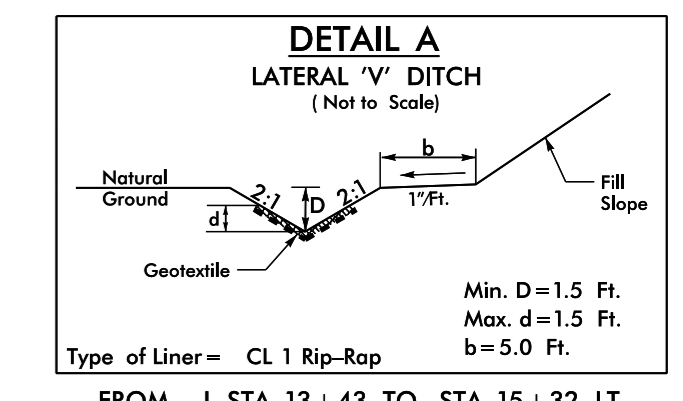
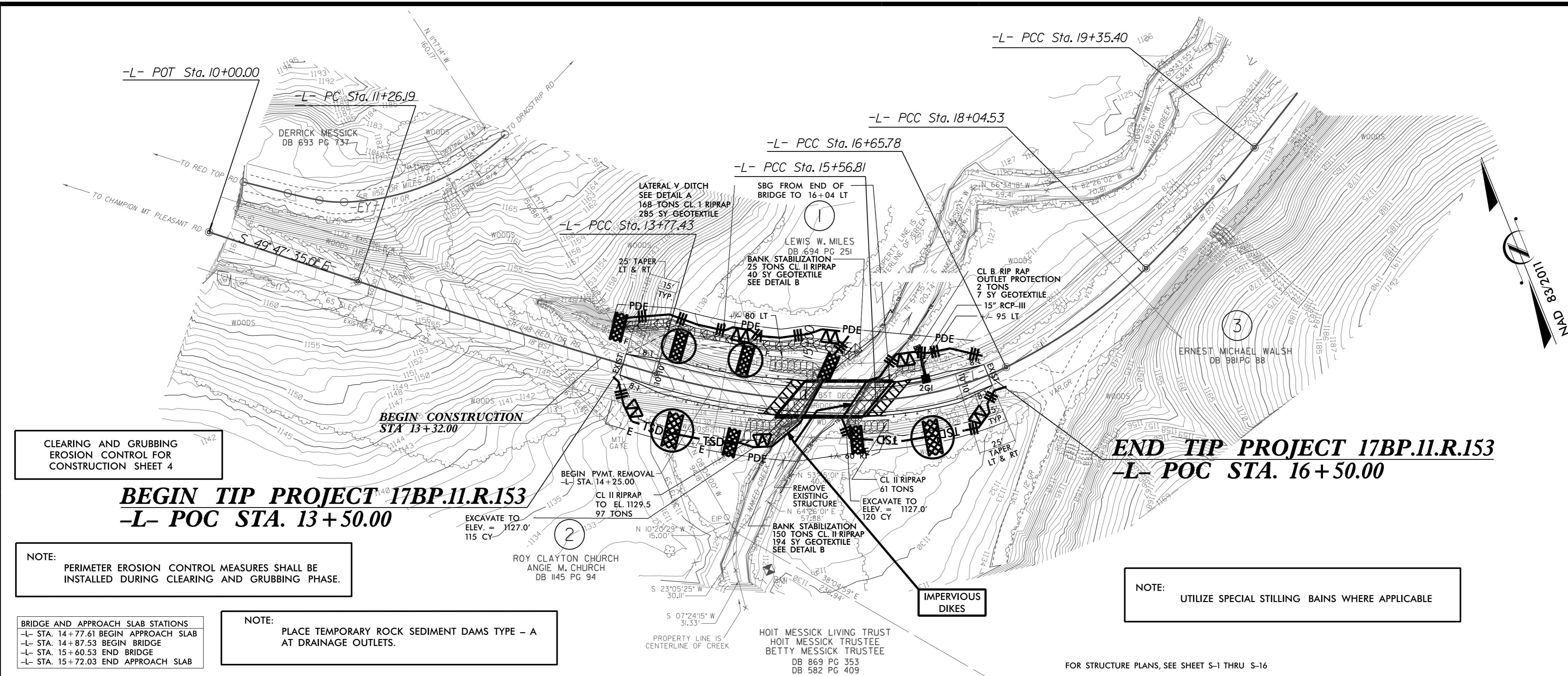
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
<i>17BP11R153</i>	<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.

PROJECT REFERENCE NO.	SHEET NO.
17BP.11.R.153	EC-04/CONST.04
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 4

NOTE: PERIMETER EROSION CONTROL MEASURES SHALL BE INSTALLED DURING CLEARING AND GRUBBING PHASE.

BRIDGE AND APPROACH SLAB STATIONS
 -L- STA. 14+77.61 BEGIN APPROACH SLAB
 -L- STA. 14+87.53 BEGIN BRIDGE
 -L- STA. 15+60.53 END BRIDGE
 -L- STA. 15+72.03 END APPROACH SLAB

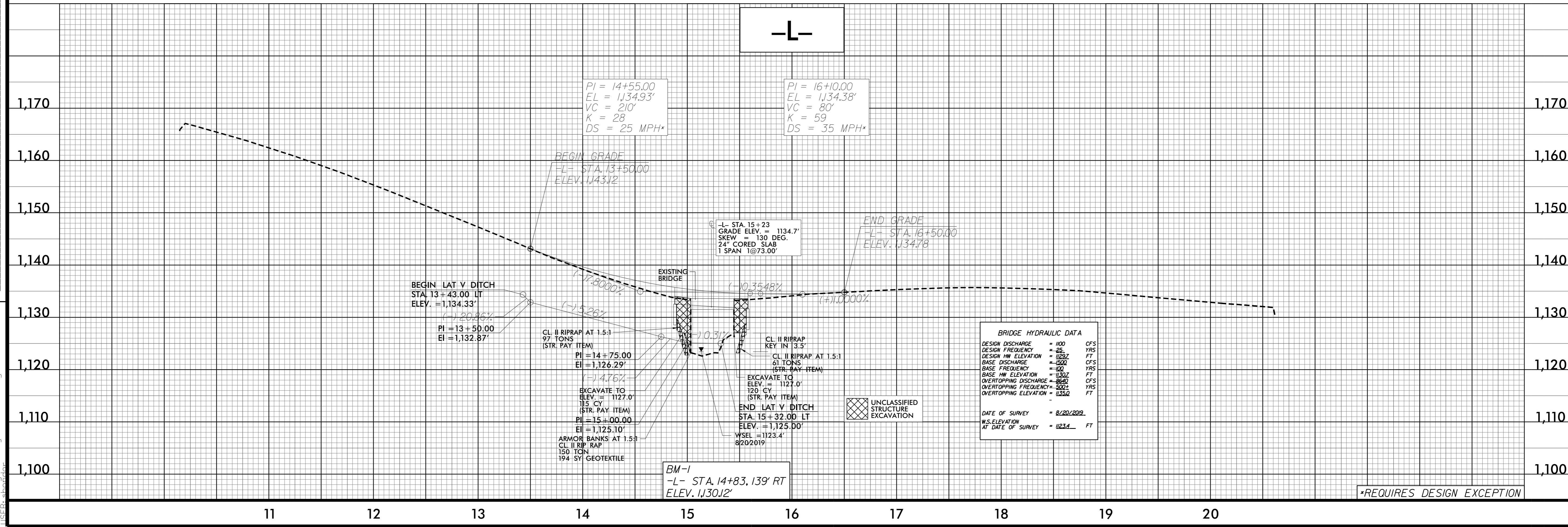
NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - A AT DRAINAGE OUTLETS.

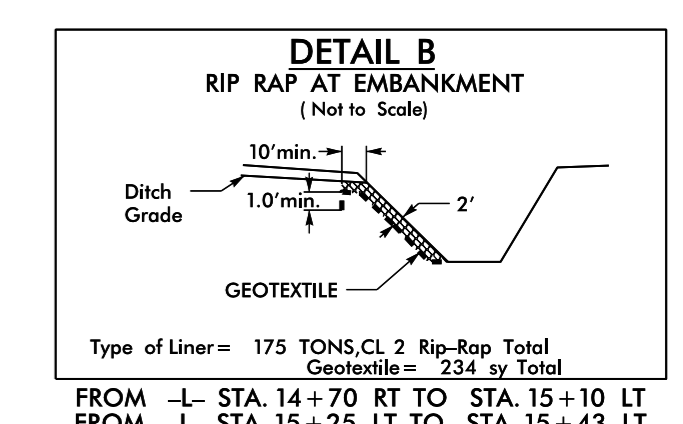
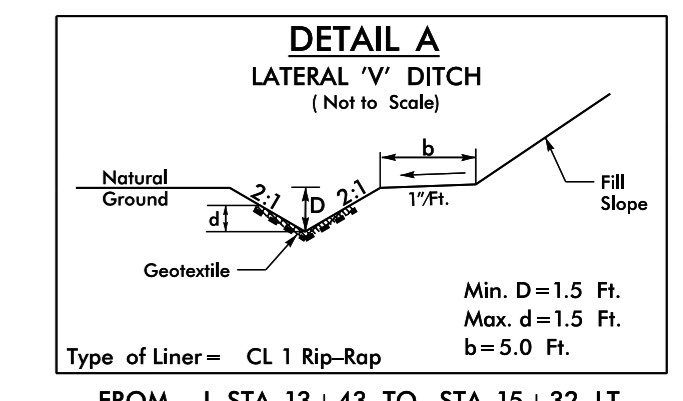
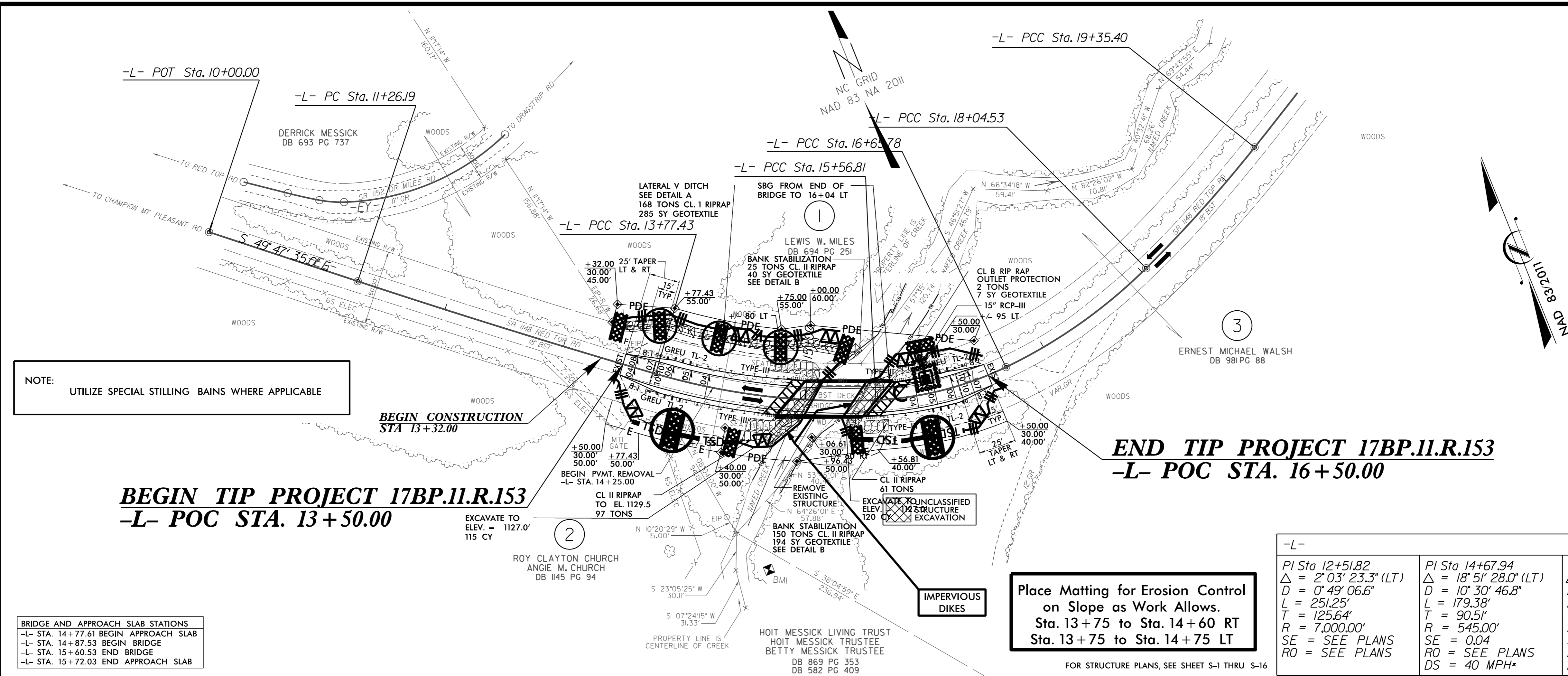
NOTE: UTILIZE SPECIAL STILLING BAINS WHERE APPLICABLE

FOR STRUCTURE PLANS, SEE SHEET S-1 THRU S-16

REVISIONS

4/6/2021 5:26:09 PM
H:\Projects\17BP.11.R.153-hyd.ec-FSH04.dgn

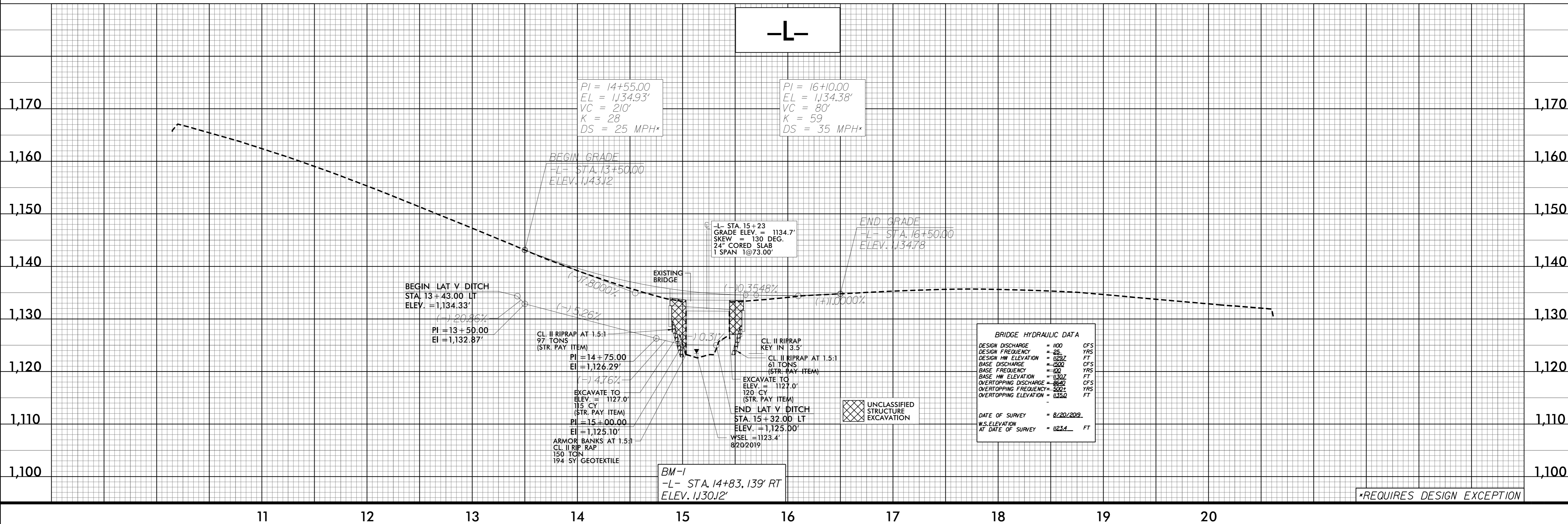




-L-	-L-	-L-	-L-
PI Sta 12+51.82 Δ = 2° 03' 23.3" (LT) D = 0' 49' 06.6" L = 251.25' T = 125.64' R = 7,000.00' SE = SEE PLANS RO = SEE PLANS	PI Sta 14+67.94 Δ = 18° 51' 28.0" (LT) D = 10' 30' 46.8" L = 179.38' T = 90.51' R = 545.00' SE = 0.04 RO = SEE PLANS DS = 40 MPH*	PI Sta 16+12.05 Δ = 23° 07' 26.6" (LT) D = 21' 13' 14.4" L = 108.97' T = 55.24' R = 270.00' SE = 0.04 RO = SEE PLANS DS = 30 MPH*	PI Sta 17+35.80 Δ = 18° 55' 43.6" (LT) D = 13' 38' 30.7" L = 138.76' T = 70.02' R = 420.00' SE = 0.04 RO = SEE PLANS DS = 30 MPH*

BRIDGE AND APPROACH SLAB STATIONS

-L STA. 14+77.61	BEGIN APPROACH SLAB
-L STA. 14+87.53	BEGIN BRIDGE
-L STA. 15+60.53	END BRIDGE
-L STA. 15+72.03	END APPROACH SLAB



*REQUIRES DESIGN EXCEPTION

REVISIONS

8/17/19 4/7/2021 12:24:49 PM H:\Projects\17BP.11.R.153_hyd.ec_PSH05.dgn