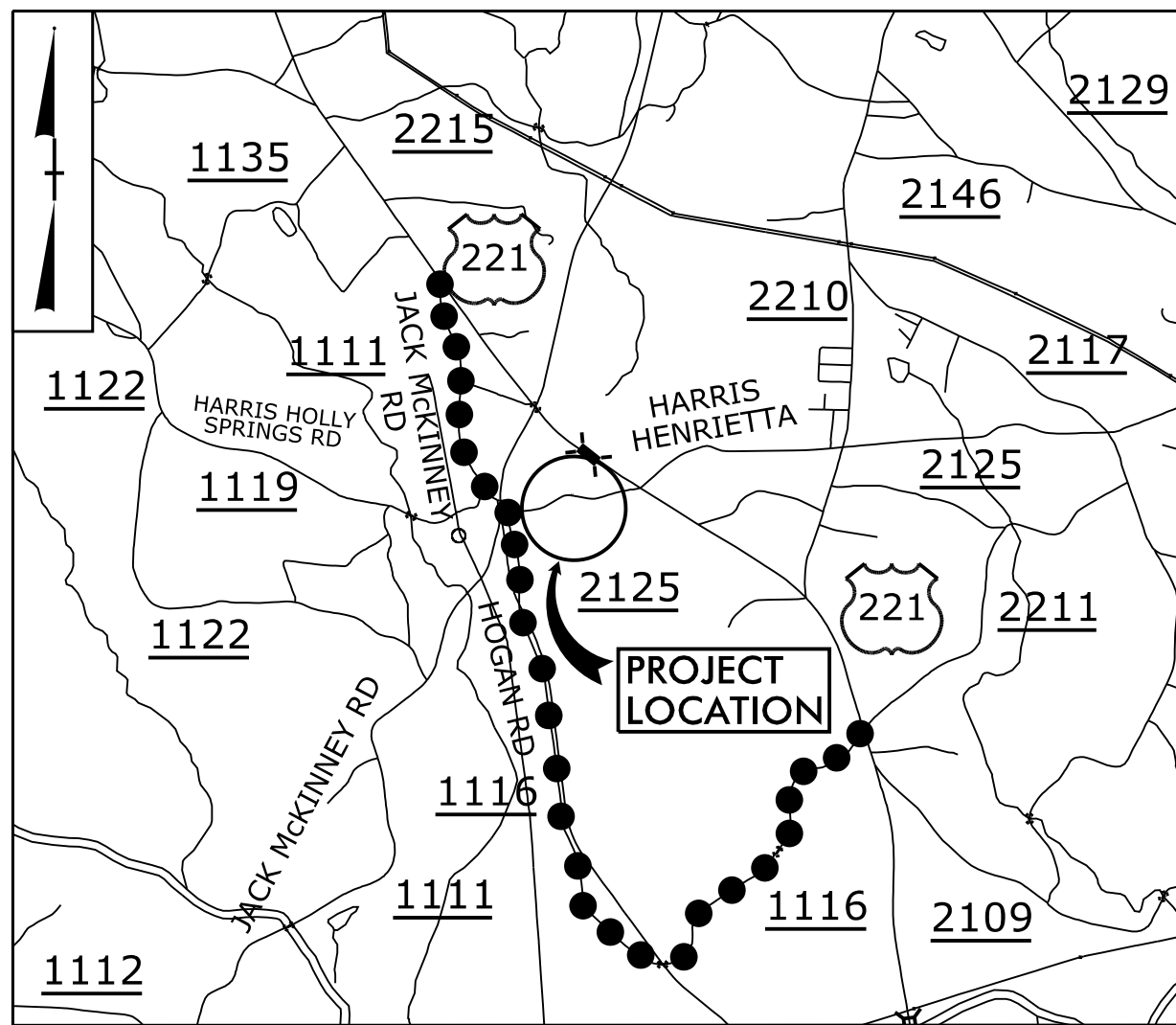


10/28/2025 10:28:38 AM C:\Users\jsh\OneDrive\Documents\B-6047\B-6047.dgn

TIP PROJECT: B-6047

See Sheet 1A For Index of Sheets
See Sheet 1B For Conventional Plan Sheet Symbols



NOT TO SCALE

VICINITY MAP

- OFFSITE DETOUR ROUTE

STATE OF NORTH CAROLINA

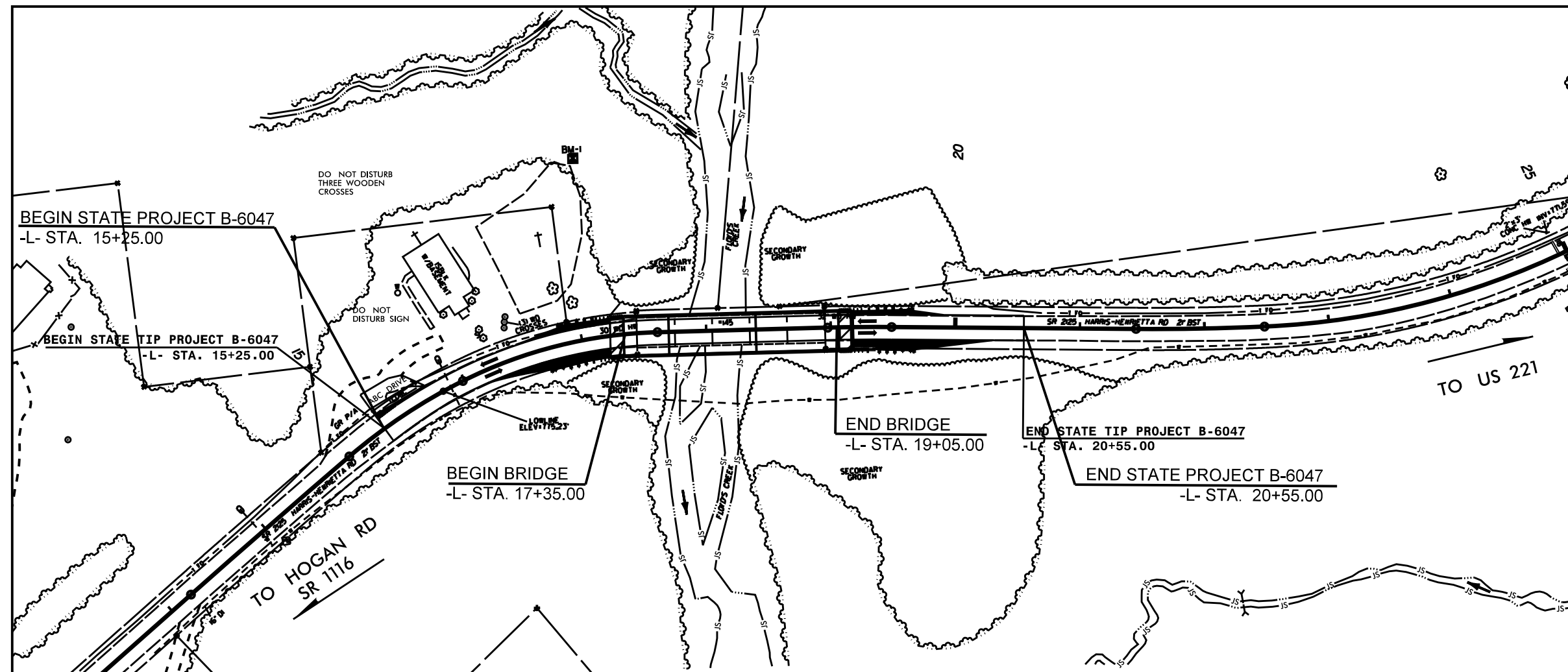
DIVISION OF HIGHWAYS

PLAN FOR PROPOSED HIGHWAY EROSION CONTROL

RUTHERFORD COUNTY

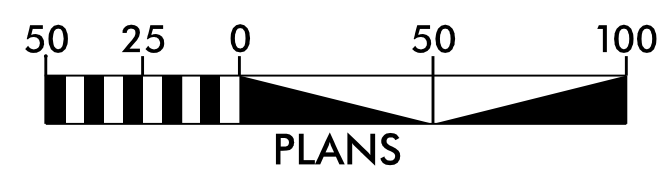
LOCATION: BRIDGE 145 ON SR 2125 OVER FLOYDS CREEK

TYPE OF WORK: GRADING, DRAINAGE, PAVING, SIGNING,
TRAFFIC CONTROL AND STRUCTURE



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

GRAPHIC SCALE



THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH
THE REGULATIONS SET FORTH BY THE NCG-010000 GENERAL
CONSTRUCTION PERMIT ISSUED BY THE NORTH CAROLINA
DEPARTMENT OF ENVIRONMENTAL QUALITY DIVISION OF ENERGY,
MINERAL AND LAND RESOURCES.

WSP

Prepared In the Office of:

WSP USA
434 FAYETTEVILLE STREET
SUITE 1500
RALEIGH, NC 27601
TEL: 1.919.836.4040
FAX: 1.919.836.4099
LICENSE NO. F-0165

Designed by:

Victoria Kohlwey
NAME

4319
LEVEL III CERTIFICATION NO.

Roadway Standard Drawings

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

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

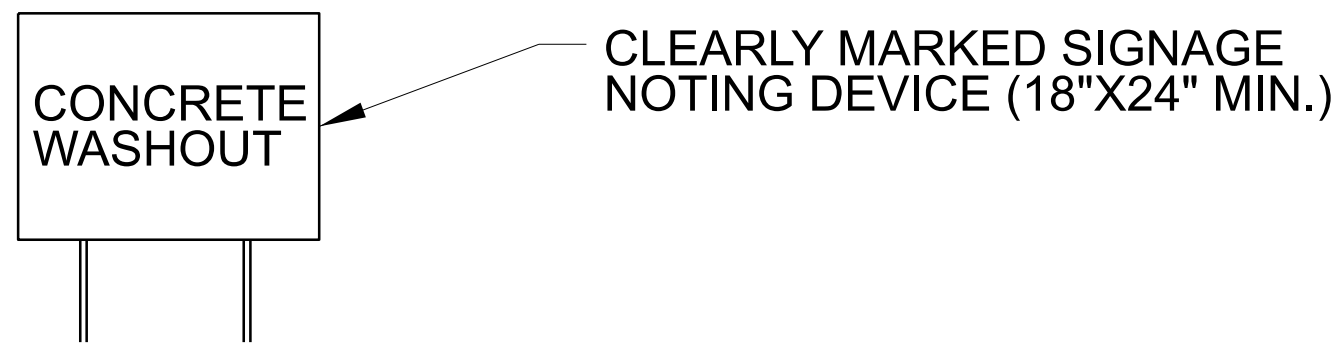
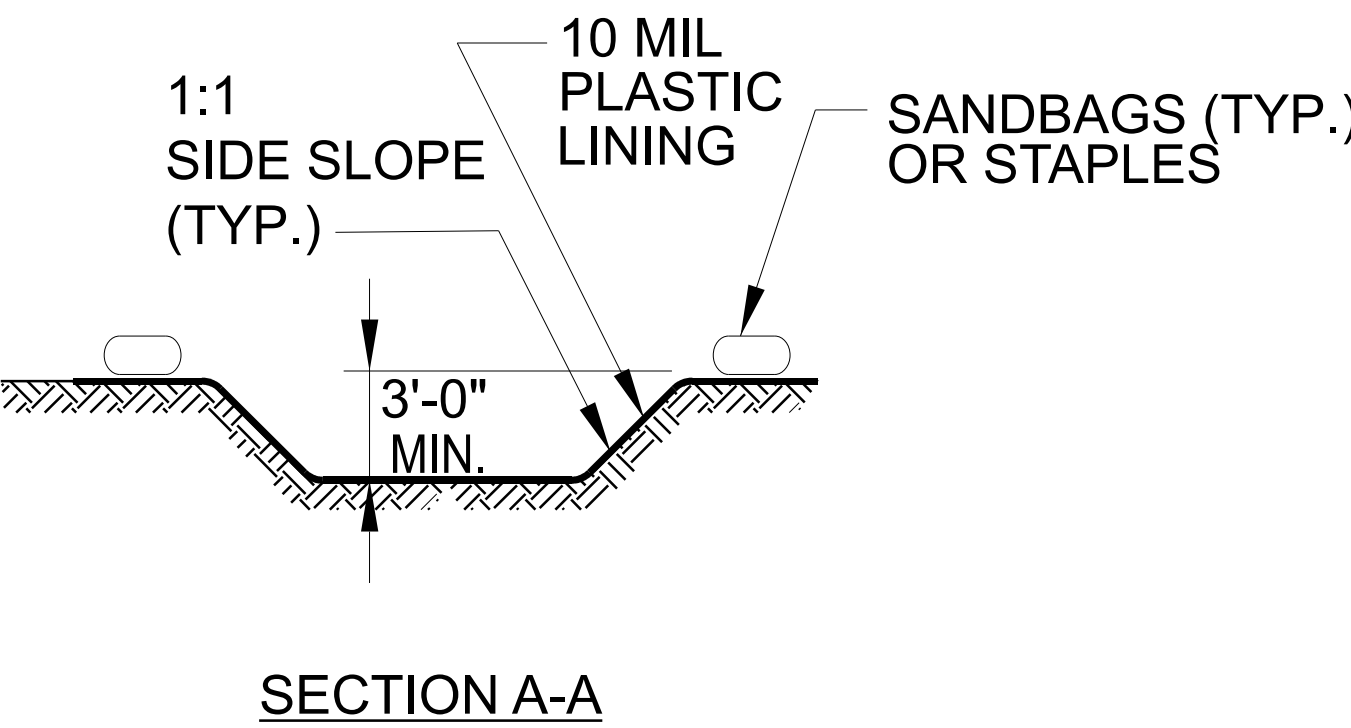
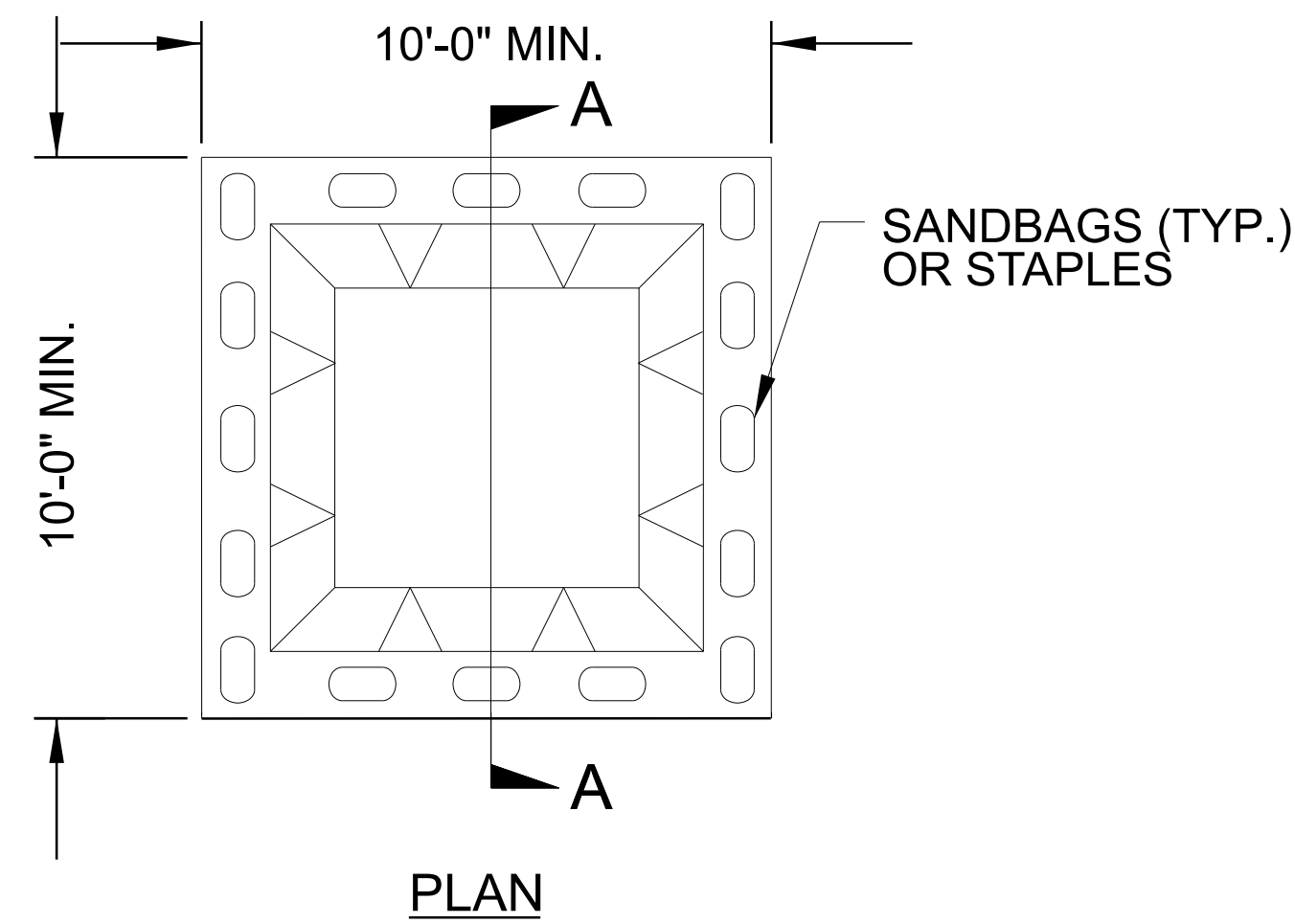
PROJECT REFERENCE NO.	SHEET NO.
B-6047	EC-02
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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				
1632.02	Type B		1636.03	Excelsior Wattle Barrier	
1632.03	Type C		1636.03	Coir Fiber Wattle Barrier	

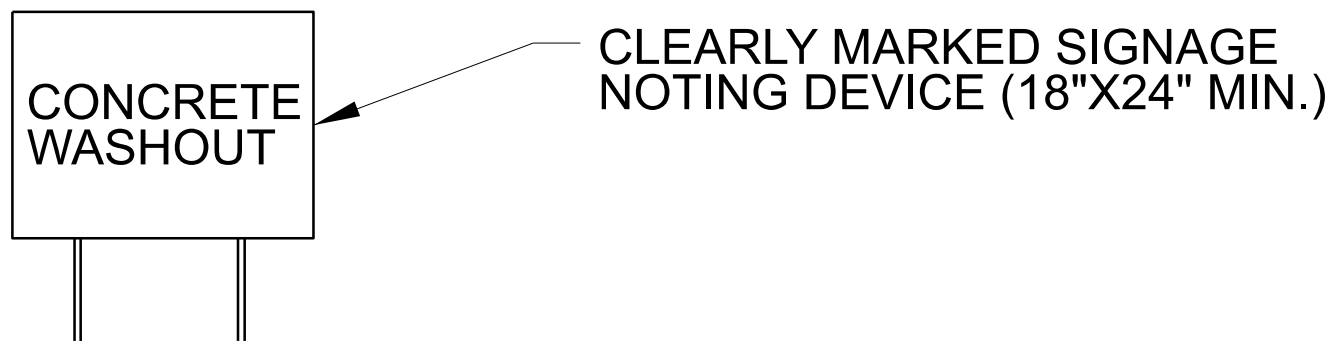
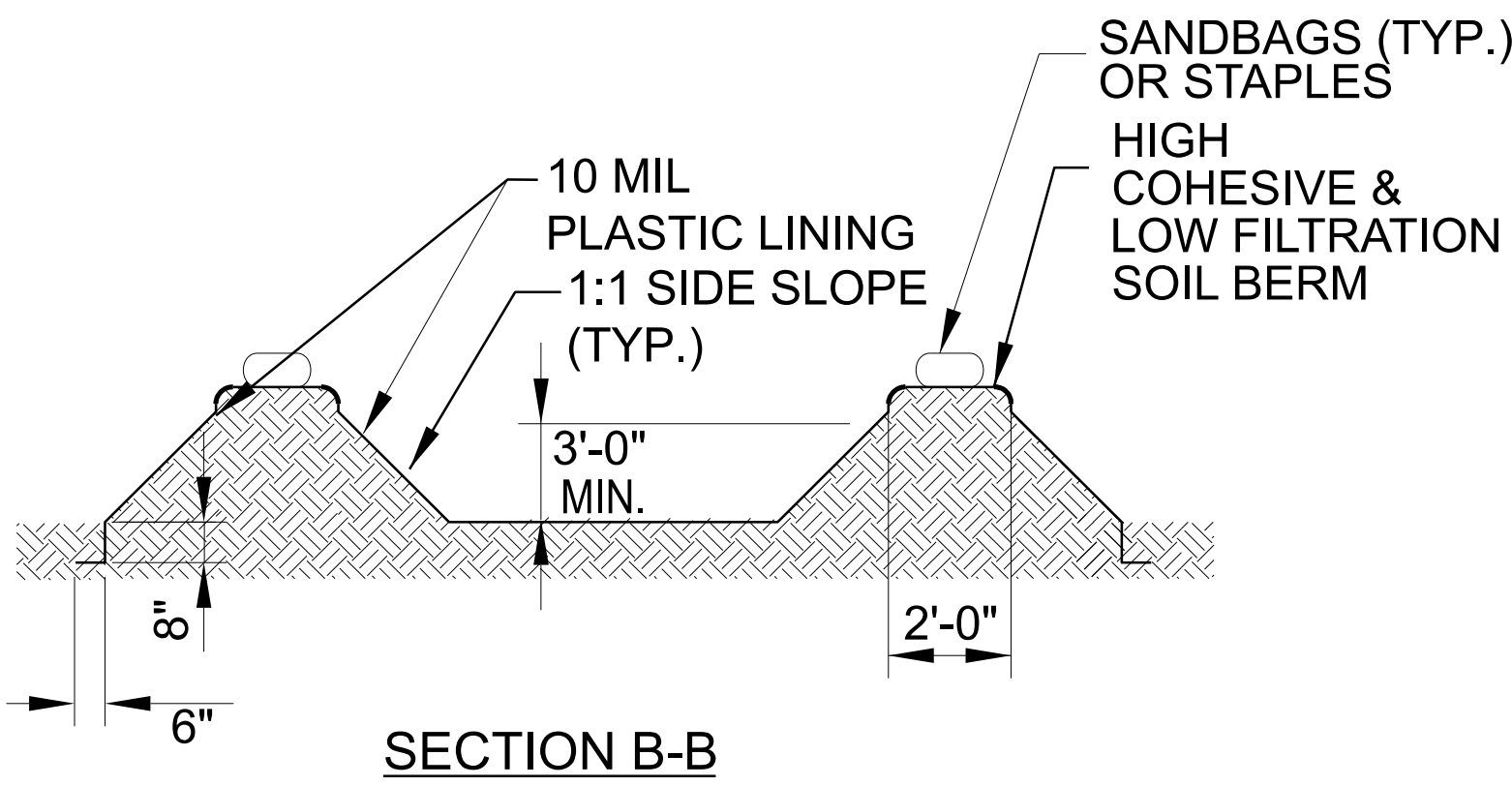
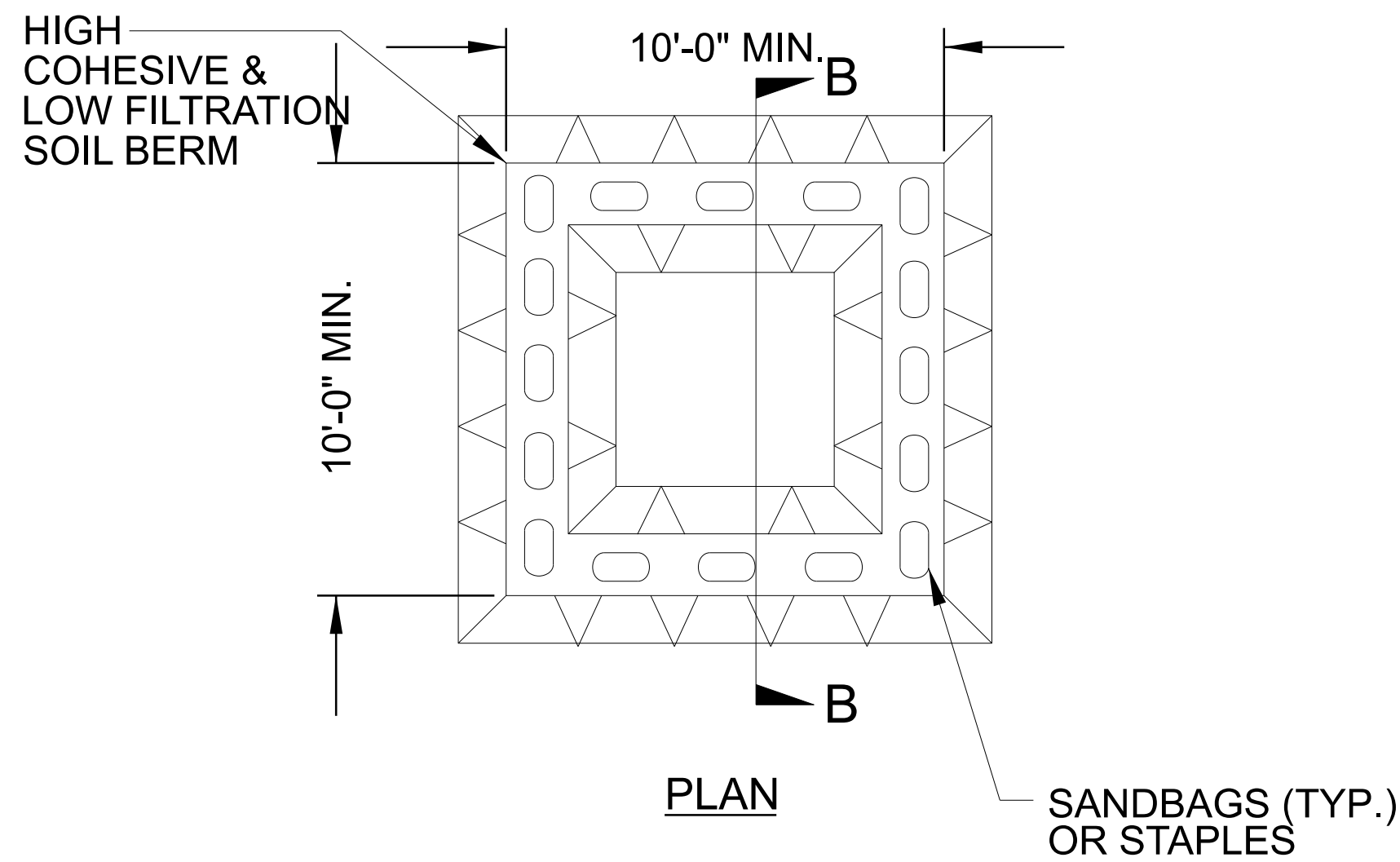
ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER

PROJECT REFERENCE NO.	SHEET NO.
B-6047	EC-02A
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



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 CLEARY 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 CLEARY MARKED WITH SIGNAGE NOTING DEVICE.

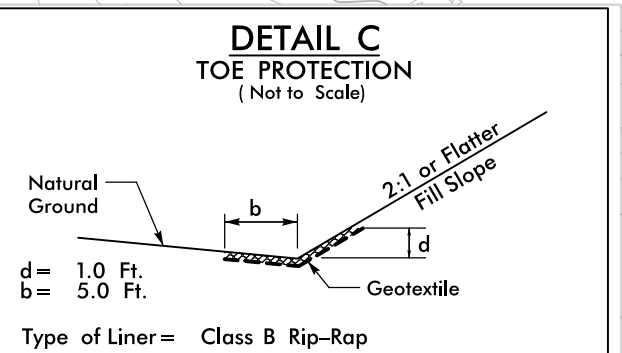
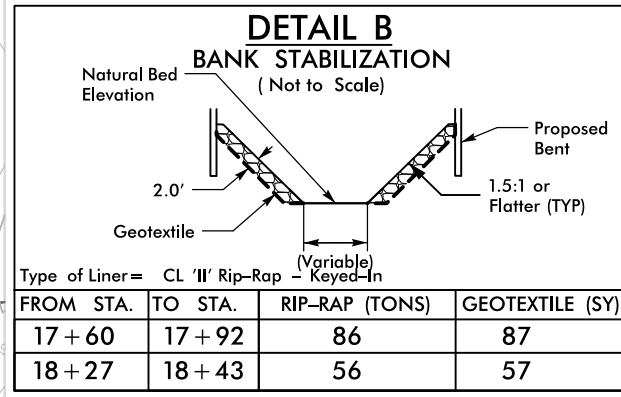
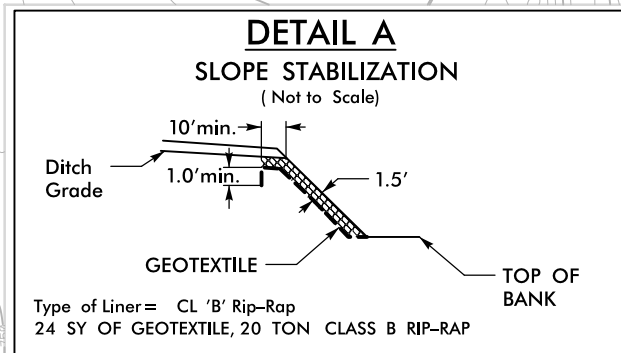
SOIL STABILIZATION TIMEFRAMES

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

8/17/99

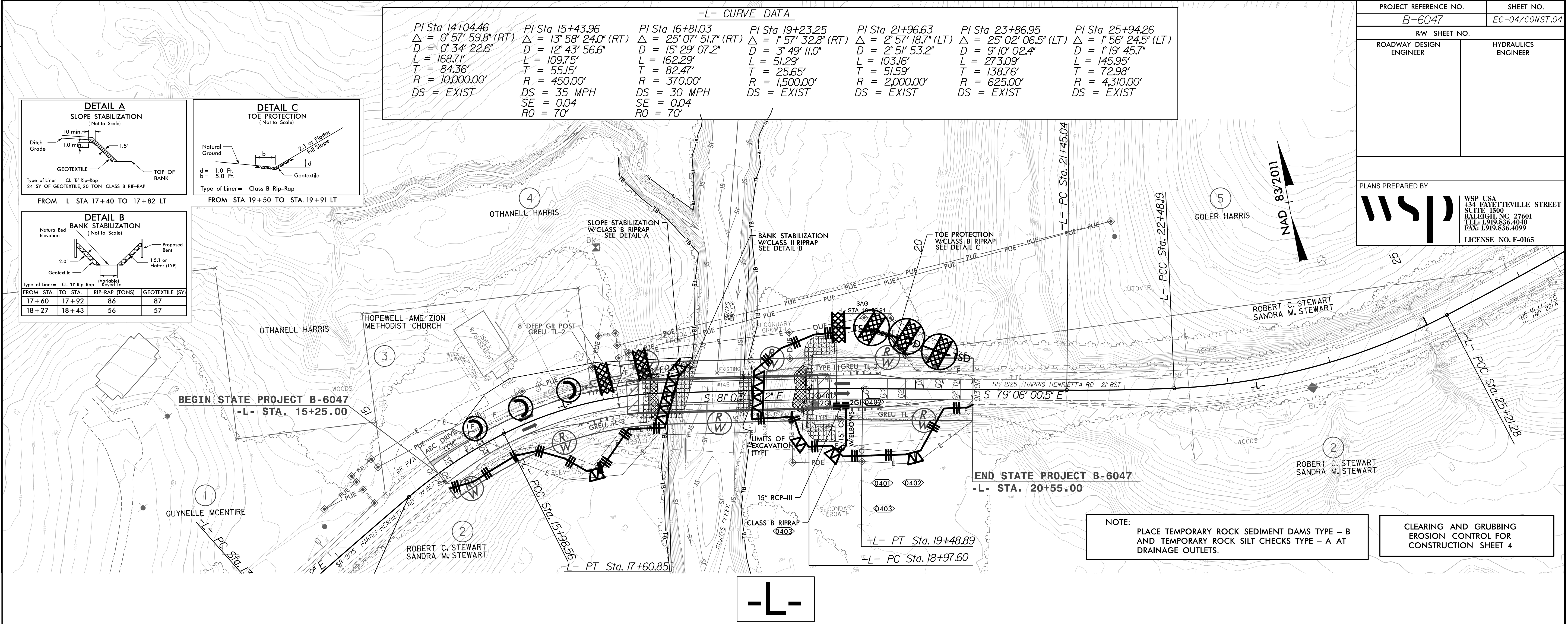
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WSP

REVISIONS



-L- CURVE DATA

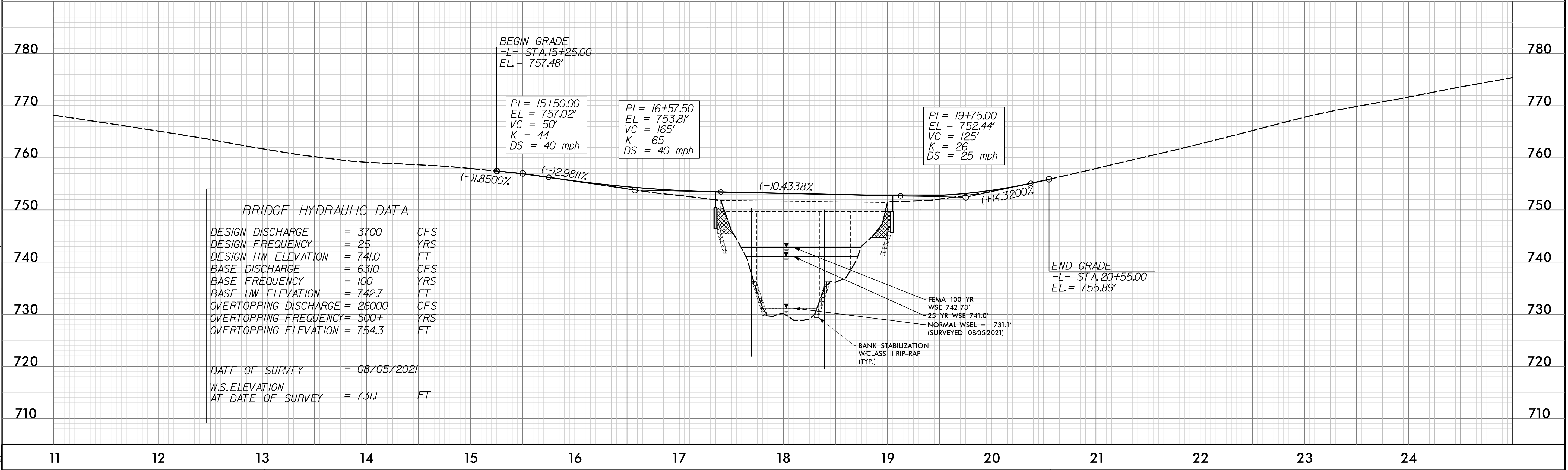
PI Sta 14+04.46 Δ = 0° 57' 59.8" (RT) D = 0° 34' 22.6" L = 168.71' T = 84.36' R = 10,000.00' DS = EXIST	PI Sta 15+43.96 Δ = 13° 58' 24.0" (RT) D = 12° 43' 56.6" L = 109.75' T = 55.15' R = 450.00' DS = 35 MPH SE = 0.04 RO = 70'	PI Sta 16+81.03 Δ = 25° 07' 51.7" (RT) D = 15° 29' 07.2" L = 162.29' T = 82.47' R = 370.00' DS = 30 MPH SE = 0.04 RO = 70'	PI Sta 19+23.25 Δ = 1° 57' 32.8" (RT) D = 3° 49' 11.0" L = 51.29' T = 25.65' R = 1,500.00' DS = EXIST	PI Sta 21+96.63 Δ = 2° 57' 18.7" (LT) D = 2° 51' 53.2" L = 103.16' T = 51.59' R = 2,000.00' DS = EXIST	PI Sta 23+86.95 Δ = 25° 02' 06.5" (LT) D = 9° 10' 02.4" L = 273.09' T = 138.76' R = 625.00' DS = EXIST	PI Sta 25+94.26 Δ = 1° 56' 24.5" (LT) D = 1° 19' 45.7" L = 145.95' T = 72.98' R = 4,310.00' DS = EXIST
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PROJECT REFERENCE NO.	SHEET NO.
B-6047	EC-04/CONST.04
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PLANS PREPARED BY:	
	
WSP USA 434 FAYETTEVILLE STREET SUITE 1500 RALEIGH, NC 27601 TEL: 1919.836.4040 FAX: 1919.836.4099 LICENSE NO. F-0165	

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

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 4



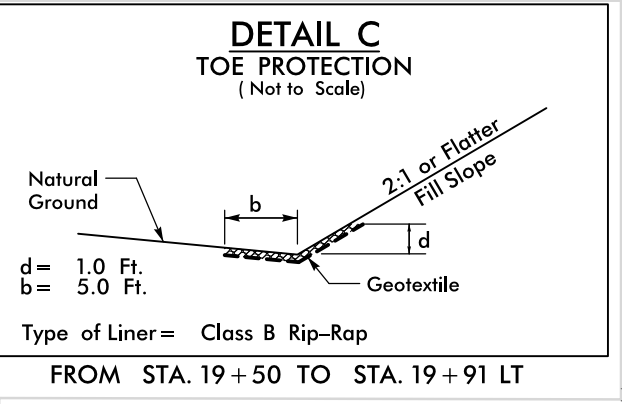
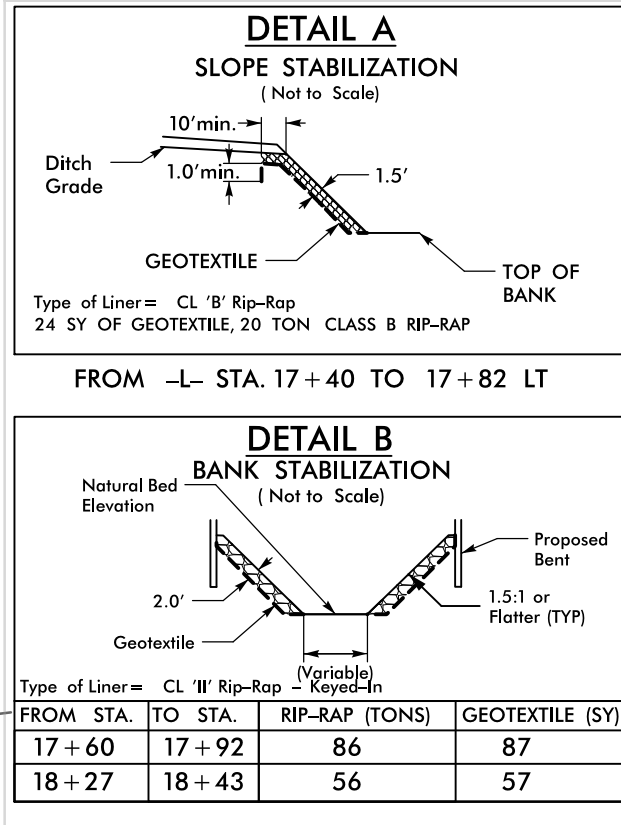
BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE	= 3700	CFS
DESIGN FREQUENCY	= 25	YRS
DESIGN HW ELEVATION	= 741.0	FT
BASE DISCHARGE	= 6310	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 742.7	FT
OVERTOPPING DISCHARGE	= 26000	CFS
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING ELEVATION	= 754.3	FT
DATE OF SURVEY = 08/05/2021		
W.S. ELEVATION AT DATE OF SURVEY = 731.1 FT		

8/17/99

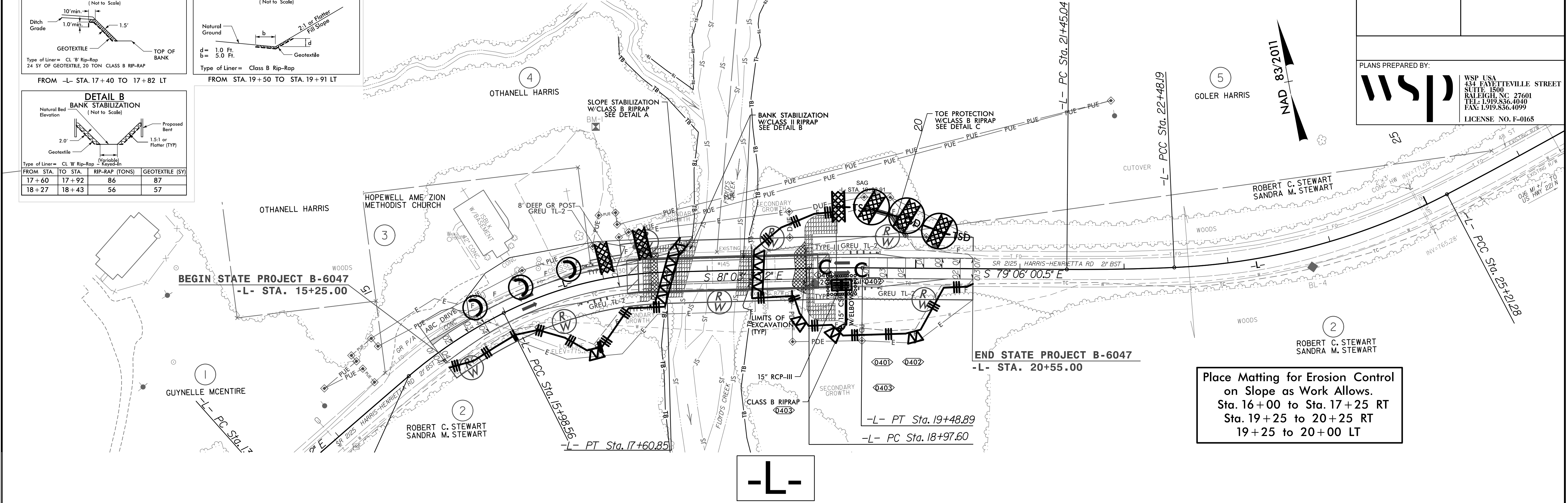
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WSP

REVISIONS



-L- CURVE DATA

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Place Matting for Erosion Control
on Slope as Work Allows.
Sta. 16+00 to Sta. 17+25 RT
Sta. 19+25 to 20+25 RT
19+25 to 20+00 LT

