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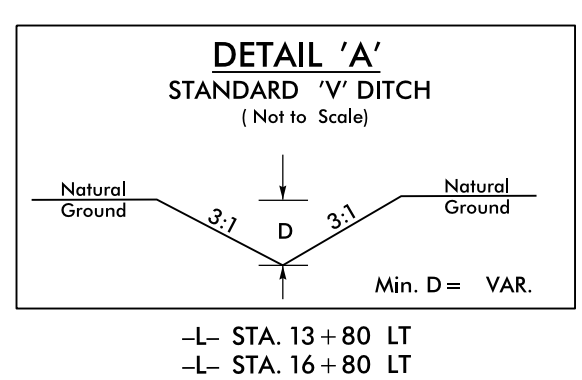
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

PROJECT REFERENCE NO. <i>B-5313</i>	SHEET NO. <i>EC-2</i>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

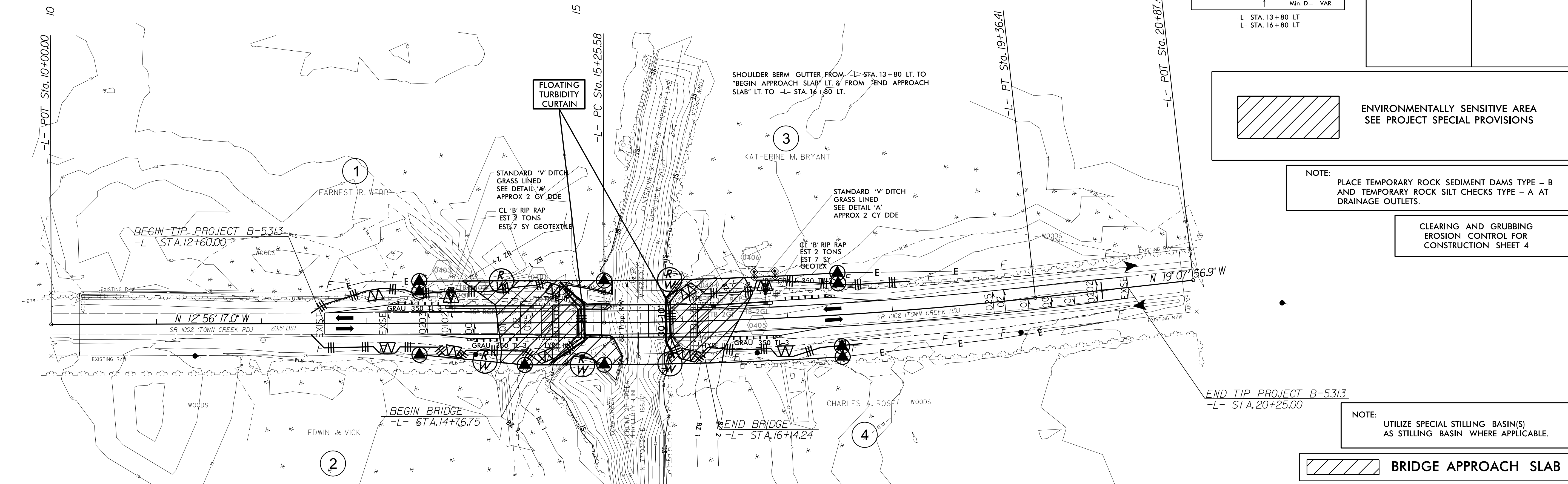
SOIL STABILIZATION TIMEFRAMES

<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.
B-5313	EC-3/CONST.4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



NAD 83/NSRS 2007



ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

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

NOTE:
UTILIZE SPECIAL STILLING BASIN(S)
AS STILLING BASIN WHERE APPLICABLE.

BRIDGE APPROACH SLAB

BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE	= 2191	CFS
DESIGN FREQUENCY	= 10	YRS
DESIGN HW ELEVATION	= 77.60	FT
BASE DISCHARGE	= 4485	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 79.36	FT
OVERTOPPING DISCHARGE	= 2191	CFS
OVERTOPPING FREQUENCY	= 10 +/-	YRS
OVERTOPPING ELEVATION	= 77.50	FT

BM#1 ELEVATION = 78.82'
-BL- STATION 10+84.86 34.84' LT
RR SPIKE IN BASE OF 38" GUM

BM#2 ELEVATION = 78.93'
-BL- STATION 15+49.58 39.12' LT
RR SPIKE IN BASE OF 10" PINE

DATE OF SURVEY = 10/06/2014
W.S. ELEVATION AT DATE OF SURVEY = 72.30 FT

BEGIN RESURFACING
-L- STA. 12+60.00

BEGIN GRADE
-L- STA. 13+20.00
ELEV. = 77.74'

PI = 14+00.00
EL = 78.13'
VC = 140'
K = 212

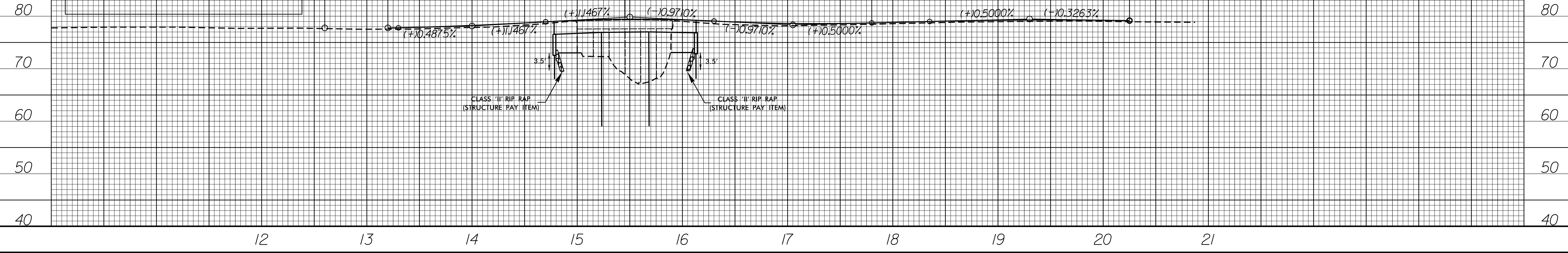
PI = 15+50.00
EL = 79.85'
VC = 160'
K = 78 (45 mph)

PI = 17+05.00
EL = 78.34'
VC = 150'
K = 102 (50 mph)

PI = 19+30.00
EL = 79.47'
VC = 190'
K = 230

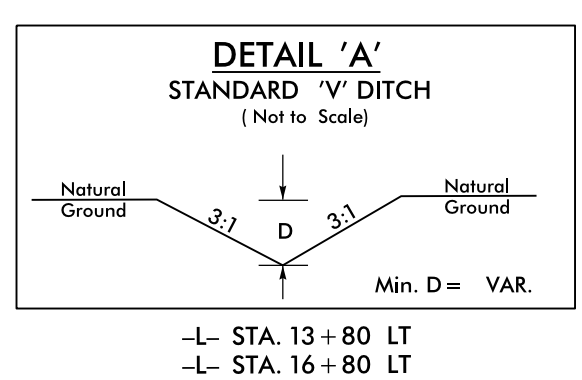
END GRADE
-L- STA. 20+25.00
ELEV. = 79.16'

STATION 15+45.5 -L-
ELEV. 79.42'
SKEW = 90
11@45'-1 1/2" @ 4'-2 1/2" 2" CORED SLABS;
W/4" END BENT CAPS

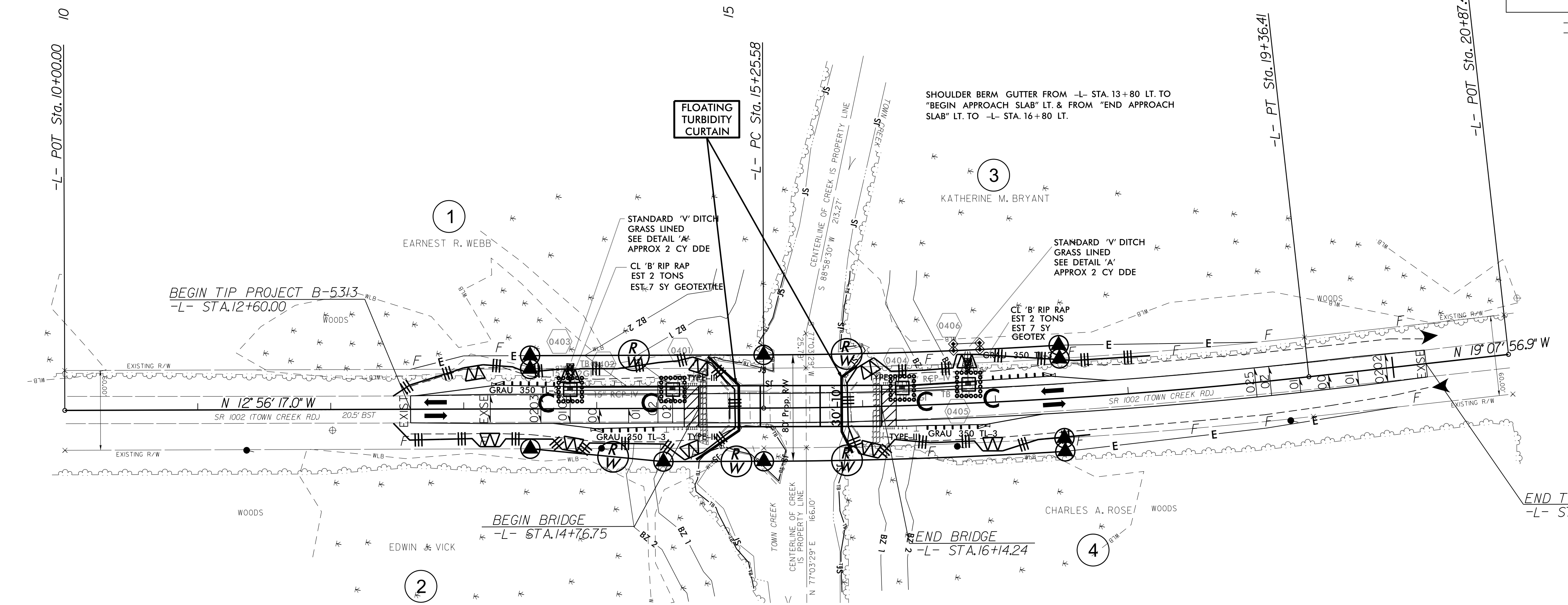


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REV: 09/11/16

PROJECT REFERENCE NO. B-5313	SHEET NO. EC-4/CONST.4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



NAD 83/NSRS 2007



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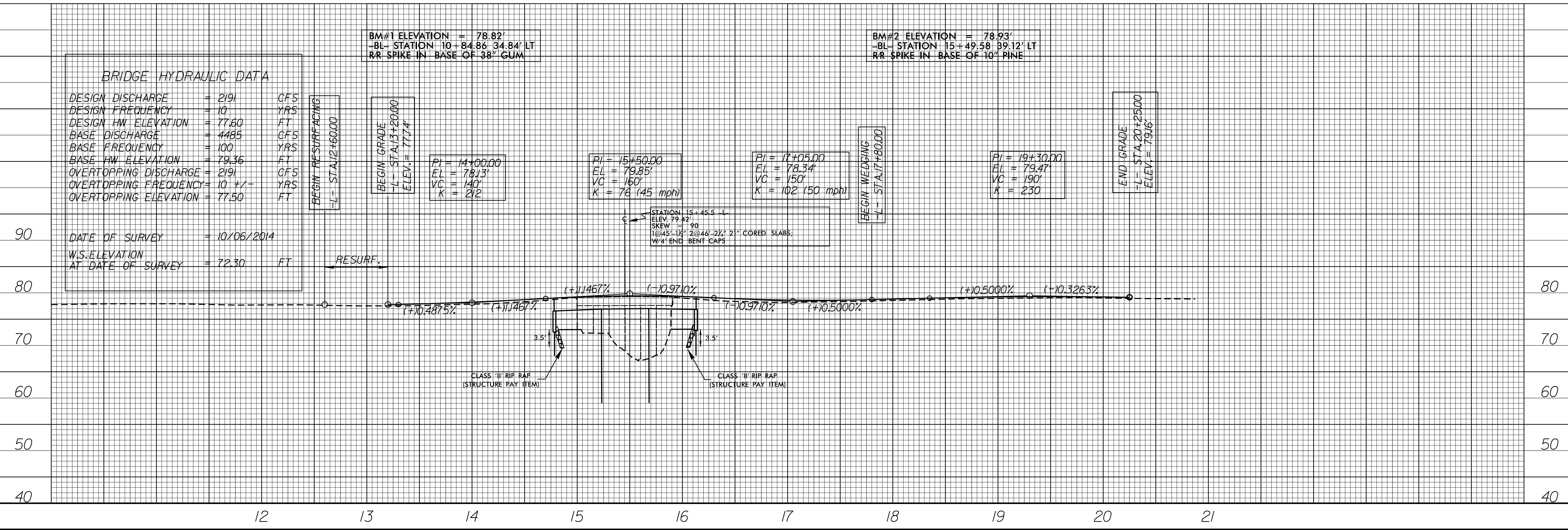
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ELEV. = 79.16'

STATION 15+45.5 L
ELEV. 79.42'
SKEW = 90
11@45'-1 1/2" 2@46'-2 1/2" 2" CORED SLABS;
W#1 END BENT CAPS



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