

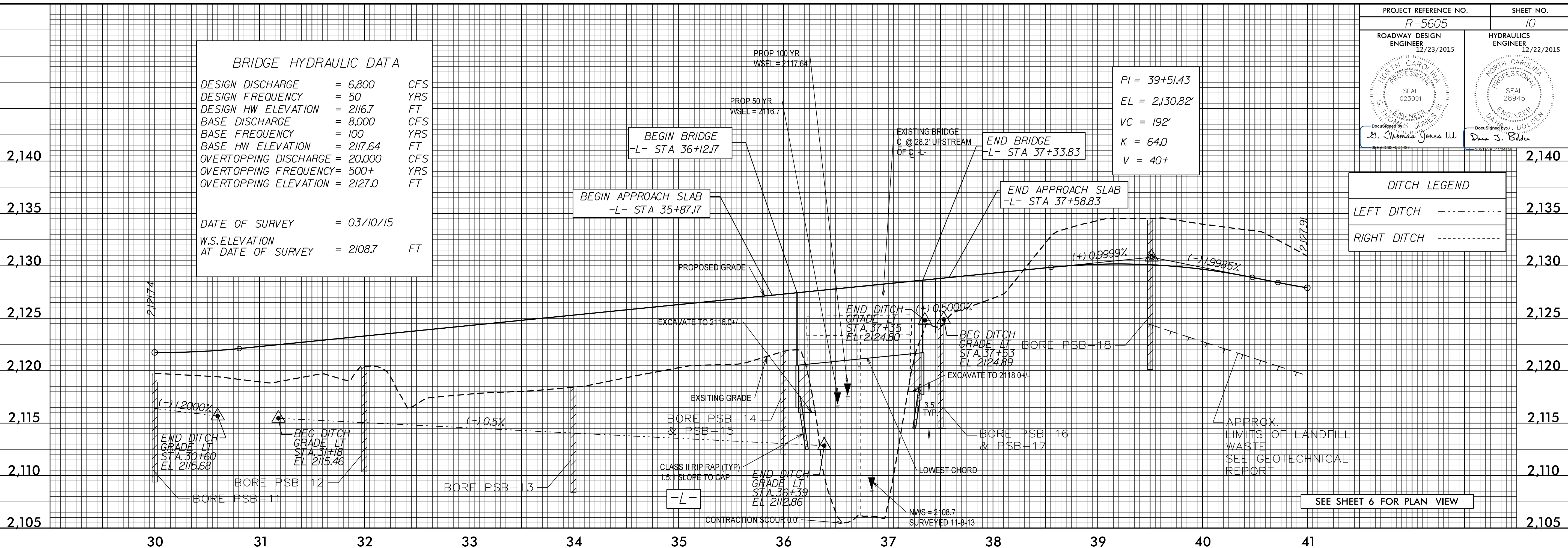
PROJECT REFERENCE NO. <b>R-5605</b>	SHEET NO. <b>10</b>
ROADWAY DESIGN ENGINEER 12/23/2015 	HYDRAULICS ENGINEER 12/22/2015 

**BRIDGE HYDRAULIC DATA**

DESIGN DISCHARGE	= 6,800	CFS
DESIGN FREQUENCY	= 50	YRS
DESIGN HW ELEVATION	= 2116.7	FT
BASE DISCHARGE	= 8,000	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 2117.64	FT
OVERTOPPING DISCHARGE	= 20,000	CFS
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING ELEVATION	= 2127.0	FT

DATE OF SURVEY	= 03/10/15
W.S. ELEVATION AT DATE OF SURVEY	= 2108.7 FT

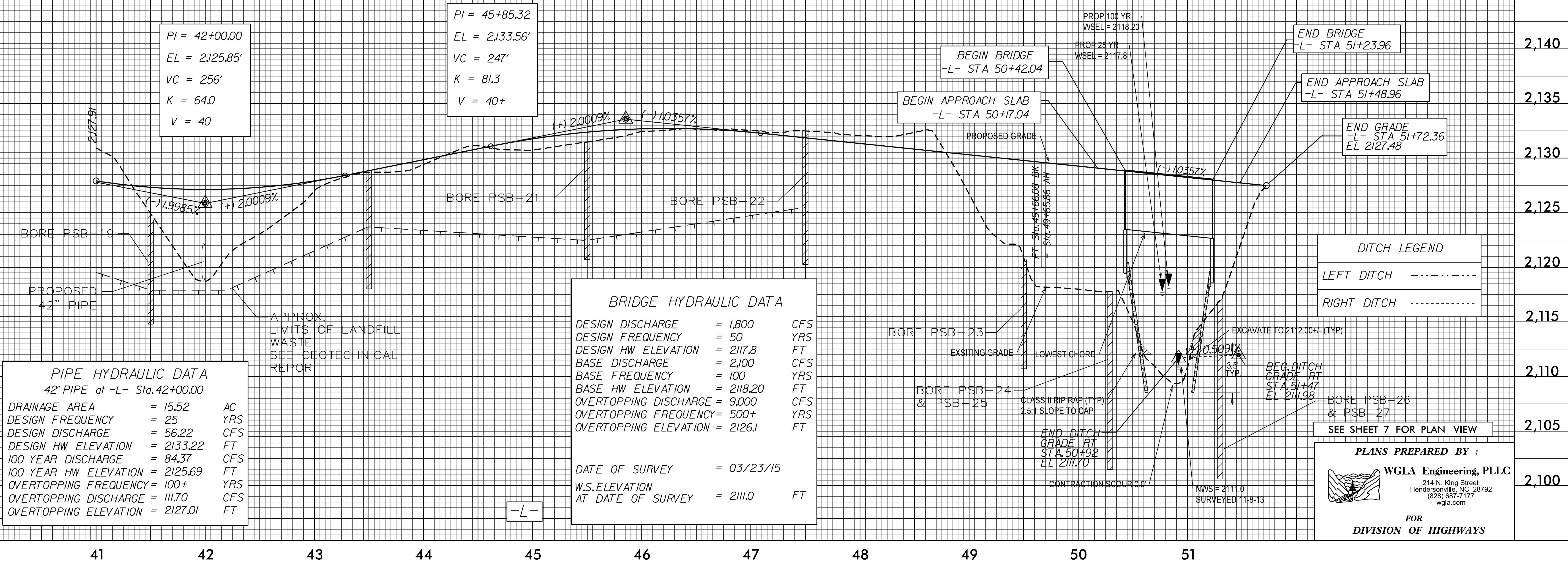


**DITCH LEGEND**

LEFT DITCH - - - - -

RIGHT DITCH - - - - -

SEE SHEET 6 FOR PLAN VIEW



**PIPE HYDRAULIC DATA**

42" PIPE at -L- Sta. 42+00.00

DRAINAGE AREA	= 15.52	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 56.22	CFS
DESIGN HW ELEVATION	= 2133.22	FT
100 YEAR DISCHARGE	= 84.37	CFS
100 YEAR HW ELEVATION	= 2125.69	FT
OVERTOPPING FREQUENCY	= 100+	YRS
OVERTOPPING DISCHARGE	= 111.70	CFS
OVERTOPPING ELEVATION	= 2127.01	FT

**BRIDGE HYDRAULIC DATA**

DESIGN DISCHARGE	= 1,800	CFS
DESIGN FREQUENCY	= 50	YRS
DESIGN HW ELEVATION	= 2117.8	FT
BASE DISCHARGE	= 2,100	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 2118.20	FT
OVERTOPPING DISCHARGE	= 9,000	CFS
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING ELEVATION	= 2126.1	FT

DATE OF SURVEY	= 03/23/15
W.S. ELEVATION AT DATE OF SURVEY	= 2111.0 FT

**DITCH LEGEND**

LEFT DITCH - - - - -

RIGHT DITCH - - - - -

SEE SHEET 7 FOR PLAN VIEW

**PLANS PREPARED BY :**

**WGLA Engineering, PLLC**  
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 wglac.com

FOR  
**DIVISION OF HIGHWAYS**

5/28/19  
21DEC-2015 16:31 I:\PSI\LEV\Desk-top\DRV\micrstation\R5605\_Rdy.pfl.dgn