


5/14/15

BM #1 - 8" SPIKE SET IN BASE OF 15" OAK TREE  
-L- STA. 13+12.00, 10' RT  
EL = 2113.19'

BM #2 - 8" SPIKE SET IN BASE OF 10" BIRCH TREE  
-L- STA. 19+02.00, 38' RT  
EL = 2127.01'

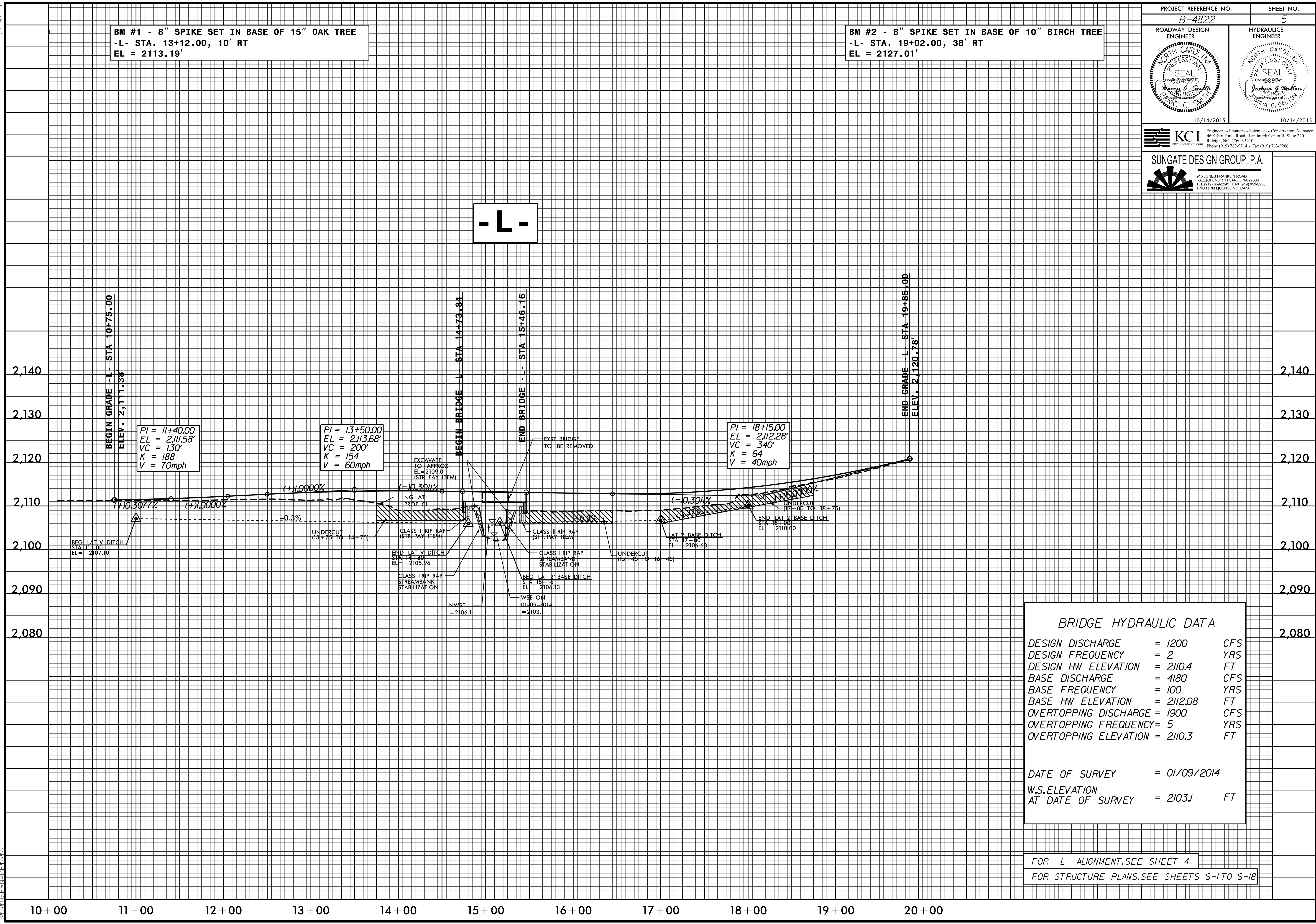
PROJECT REFERENCE NO. **B-4822** SHEET NO. **5**

ROADWAY DESIGN ENGINEER  
  
 10/14/2015

HYDRAULICS ENGINEER  
  
 10/14/2015

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 916 JONES FRANKLIN ROAD  
 RALEIGH, NORTH CAROLINA 27606  
 TEL (919) 859-2243 FAX (919) 859-6268  
 ENG FIRM LICENSE NO. C-890



**BRIDGE HYDRAULIC DATA**

DESIGN DISCHARGE	= 1200	CFS
DESIGN FREQUENCY	= 2	YRS
DESIGN HW ELEVATION	= 2110.4	FT
BASE DISCHARGE	= 4180	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 2112.08	FT
OVERTOPPING DISCHARGE	= 1900	CFS
OVERTOPPING FREQUENCY	= 5	YRS
OVERTOPPING ELEVATION	= 2110.3	FT

DATE OF SURVEY	= 01/09/2014
W.S.ELEVATION AT DATE OF SURVEY	= 2103.1 FT

FOR -L- ALIGNMENT, SEE SHEET 4  
 FOR STRUCTURE PLANS, SEE SHEETS S-1 TO S-18

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