

5/28/19

DOCUMENT NOT CONSIDERED FINAL
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Stantec Consulting Services Inc.
801 Jones Franklin Road
Suite 300
Raleigh, NC 27606
Tel. (919) 851-6866
Fax. (919) 851-7024
www.stantec.com
License No. F-0672

PROJECT REFERENCE NO. U-3440

ROADWAY DESIGN ENGINEER

SEAL 025513

ENGINEER MICHAEL D. LINDSEY

8/17/2016

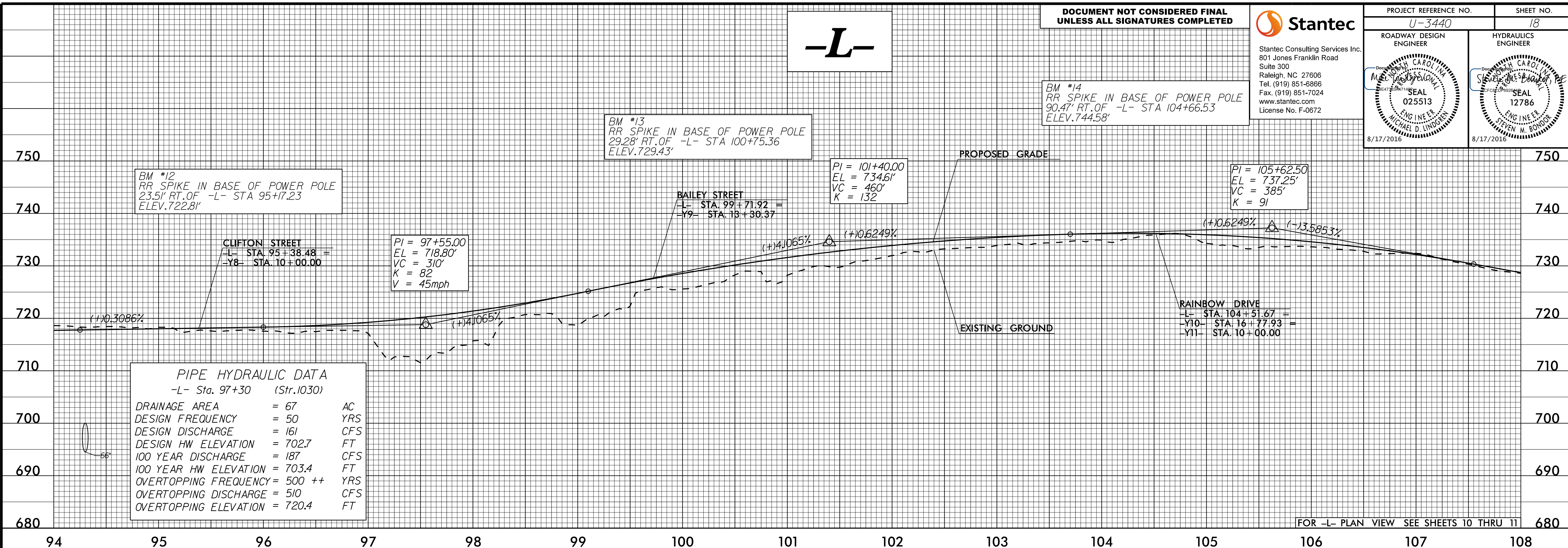
SHEET NO. 18

HYDRAULICS ENGINEER

SEAL 12786

ENGINEER STEVEN M. BONDY

8/17/2016

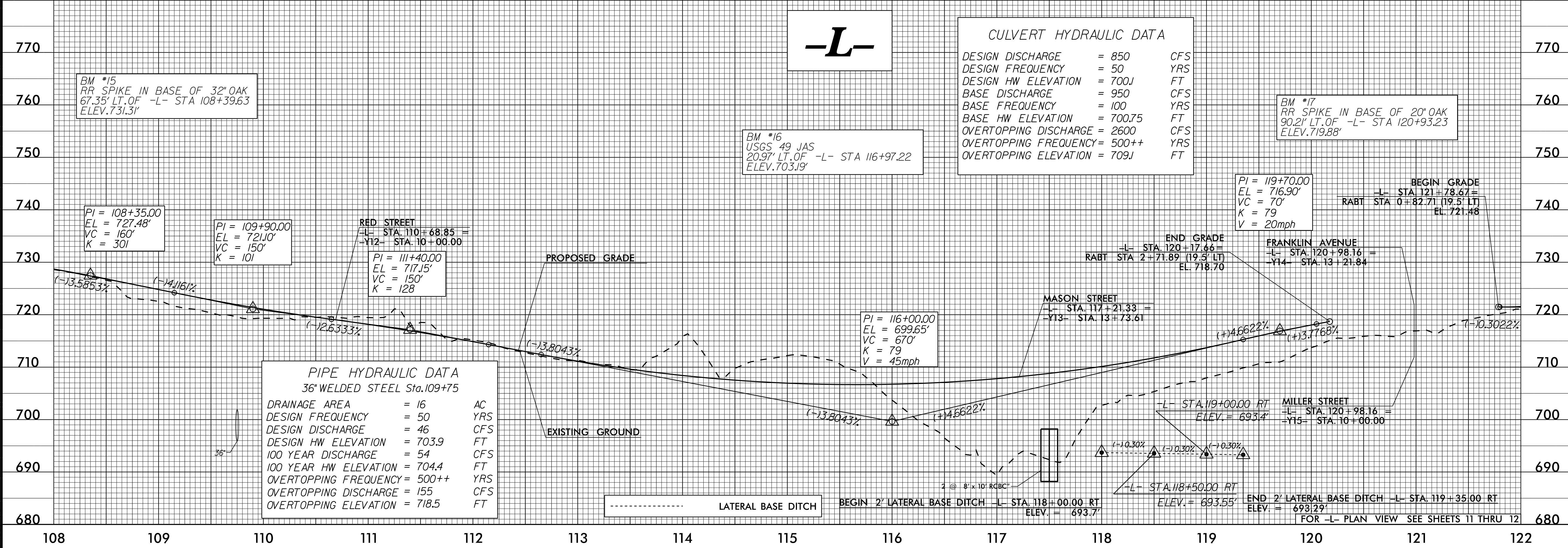


PIPE HYDRAULIC DATA
-L- Sta. 97+30 (Str. 1030)

DRAINAGE AREA	= 67	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 161	CFS
DESIGN HW ELEVATION	= 702.7	FT
100 YEAR DISCHARGE	= 187	CFS
100 YEAR HW ELEVATION	= 703.4	FT
OVERTOPPING FREQUENCY	= 500 ++	YRS
OVERTOPPING DISCHARGE	= 510	CFS
OVERTOPPING ELEVATION	= 720.4	FT

CULVERT HYDRAULIC DATA

DESIGN DISCHARGE	= 850	CFS
DESIGN FREQUENCY	= 50	YRS
DESIGN HW ELEVATION	= 700J	FT
BASE DISCHARGE	= 950	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 700.75	FT
OVERTOPPING DISCHARGE	= 2600	CFS
OVERTOPPING FREQUENCY	= 500++	YRS
OVERTOPPING ELEVATION	= 709J	FT



PIPE HYDRAULIC DATA
36" WELDED STEEL Sta. 109+75

DRAINAGE AREA	= 16	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 46	CFS
DESIGN HW ELEVATION	= 703.9	FT
100 YEAR DISCHARGE	= 54	CFS
100 YEAR HW ELEVATION	= 704.4	FT
OVERTOPPING FREQUENCY	= 500++	YRS
OVERTOPPING DISCHARGE	= 155	CFS
OVERTOPPING ELEVATION	= 718.5	FT

----- LATERAL BASE DITCH

BEGIN 2' LATERAL BASE DITCH -L- STA. 118+00.00 RT ELEV. = 693.7'

END 2' LATERAL BASE DITCH -L- STA. 119+35.00 RT ELEV. = 693.29'

FOR -L- PLAN VIEW SEE SHEETS 11 THRU 12

8/16/2016
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