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DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



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PROJECT REFERENCE NO. U-3440
SHEET NO. 16

ROADWAY DESIGN ENGINEER
MICHAEL J. SLOWE
SEAL 025513
8/17/2016

HYDRAULICS ENGINEER
STEVEN M. BONDY
SEAL 12786
8/17/2016

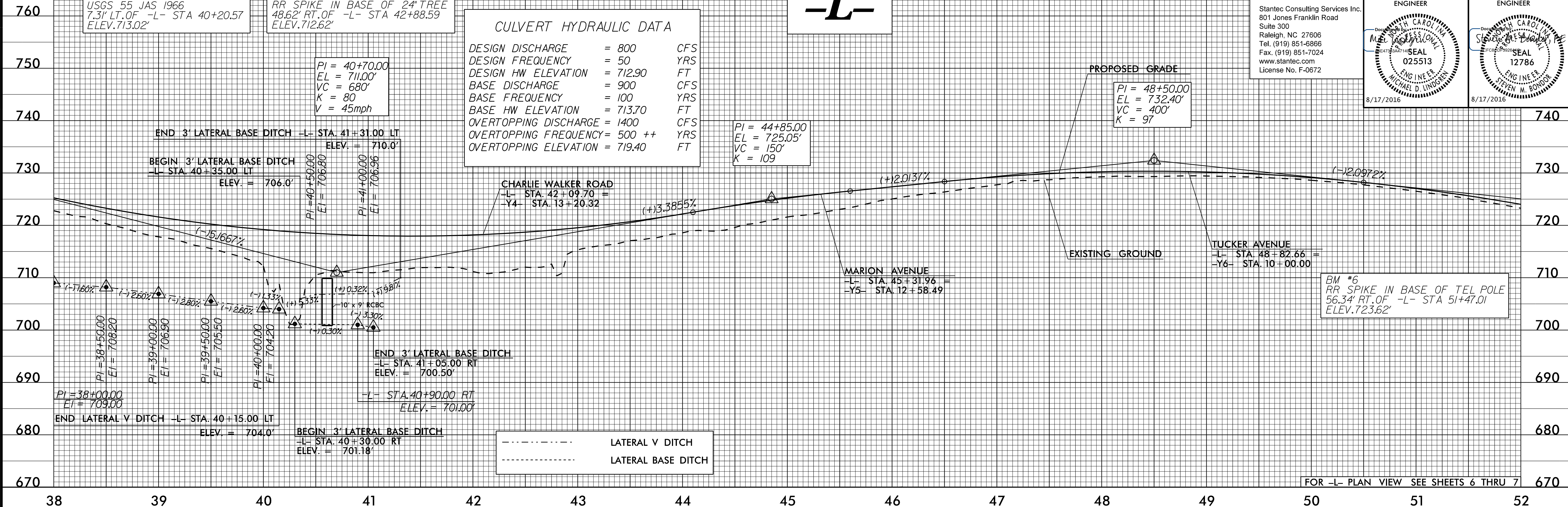
BM #4
USGS 55 JAS 1966
7.3' LT. OF -L- STA 40+20.57
ELEV. 713.02'

BM #5
RR SPIKE IN BASE OF 24" TREE
48.62' RT. OF -L- STA 42+88.59
ELEV. 712.62'

CULVERT HYDRAULIC DATA

DESIGN DISCHARGE	= 800	CFS
DESIGN FREQUENCY	= 50	YRS
DESIGN HW ELEVATION	= 712.90	FT
BASE DISCHARGE	= 900	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 713.70	FT
OVERTOPPING DISCHARGE	= 1400	CFS
OVERTOPPING FREQUENCY	= 500 ++	YRS
OVERTOPPING ELEVATION	= 719.40	FT

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