

5/28/17



PROJECT REFERENCE NO. U-4751	SHEET NO. 41
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

DITCH LEGEND

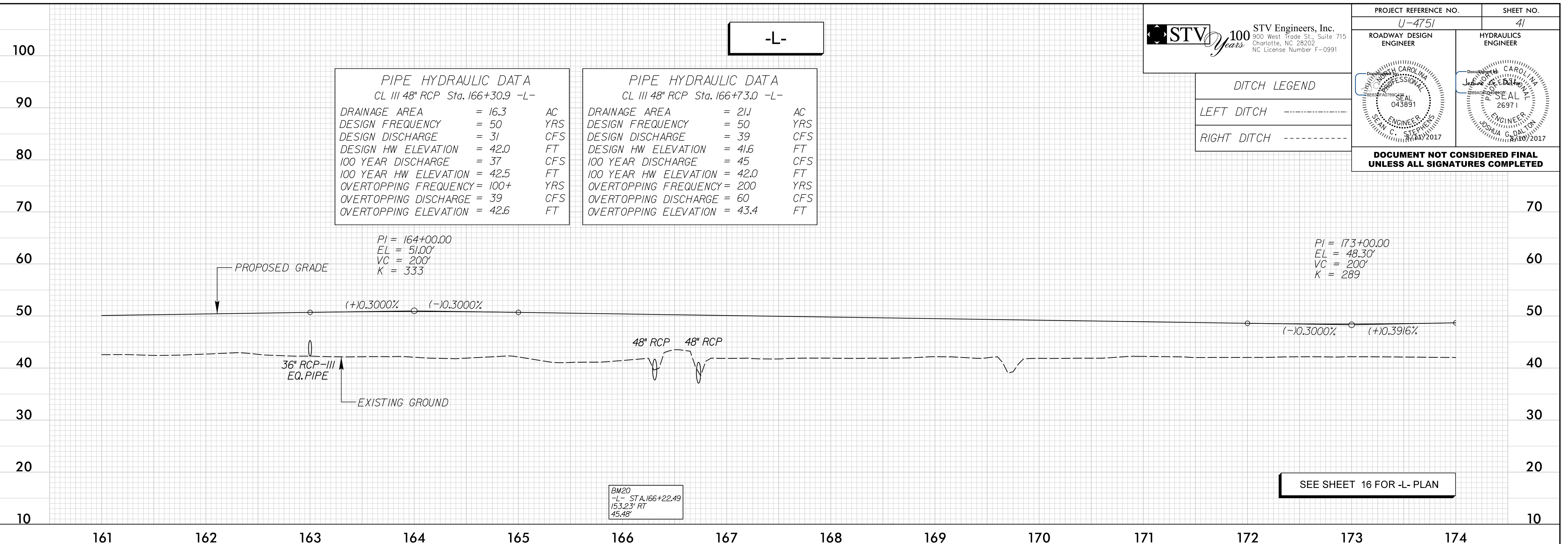
LEFT DITCH	-----
RIGHT DITCH	-----

PIPE HYDRAULIC DATA
CL III 48" RCP Sta. 166+30.9 -L-

DRAINAGE AREA	= 16.3	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 31	CFS
DESIGN HW ELEVATION	= 42.0	FT
100 YEAR DISCHARGE	= 37	CFS
100 YEAR HW ELEVATION	= 42.5	FT
OVERTOPPING FREQUENCY	= 100+	YRS
OVERTOPPING DISCHARGE	= 39	CFS
OVERTOPPING ELEVATION	= 42.6	FT

PIPE HYDRAULIC DATA
CL III 48" RCP Sta. 166+73.0 -L-

DRAINAGE AREA	= 21.1	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 39	CFS
DESIGN HW ELEVATION	= 41.6	FT
100 YEAR DISCHARGE	= 45	CFS
100 YEAR HW ELEVATION	= 42.0	FT
OVERTOPPING FREQUENCY	= 200	YRS
OVERTOPPING DISCHARGE	= 60	CFS
OVERTOPPING ELEVATION	= 43.4	FT

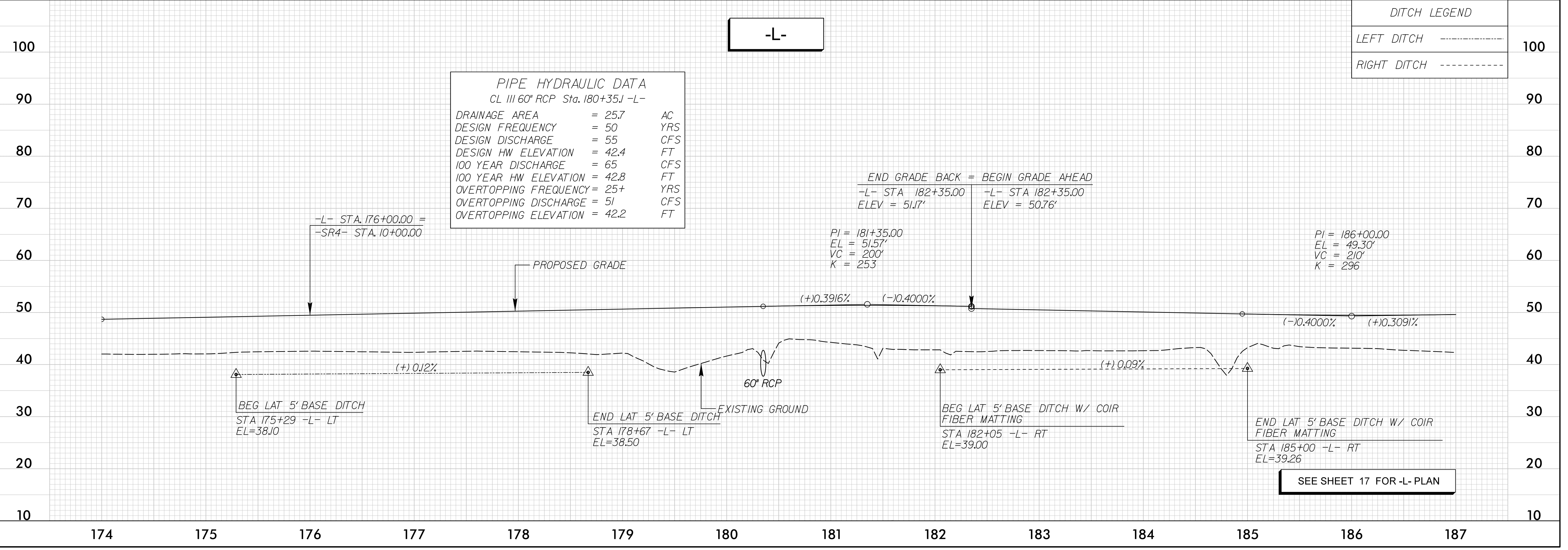


DITCH LEGEND

LEFT DITCH	-----
RIGHT DITCH	-----

PIPE HYDRAULIC DATA
CL III 60" RCP Sta. 180+35J -L-

DRAINAGE AREA	= 25.7	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 55	CFS
DESIGN HW ELEVATION	= 42.4	FT
100 YEAR DISCHARGE	= 65	CFS
100 YEAR HW ELEVATION	= 42.8	FT
OVERTOPPING FREQUENCY	= 25+	YRS
OVERTOPPING DISCHARGE	= 51	CFS
OVERTOPPING ELEVATION	= 42.2	FT



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