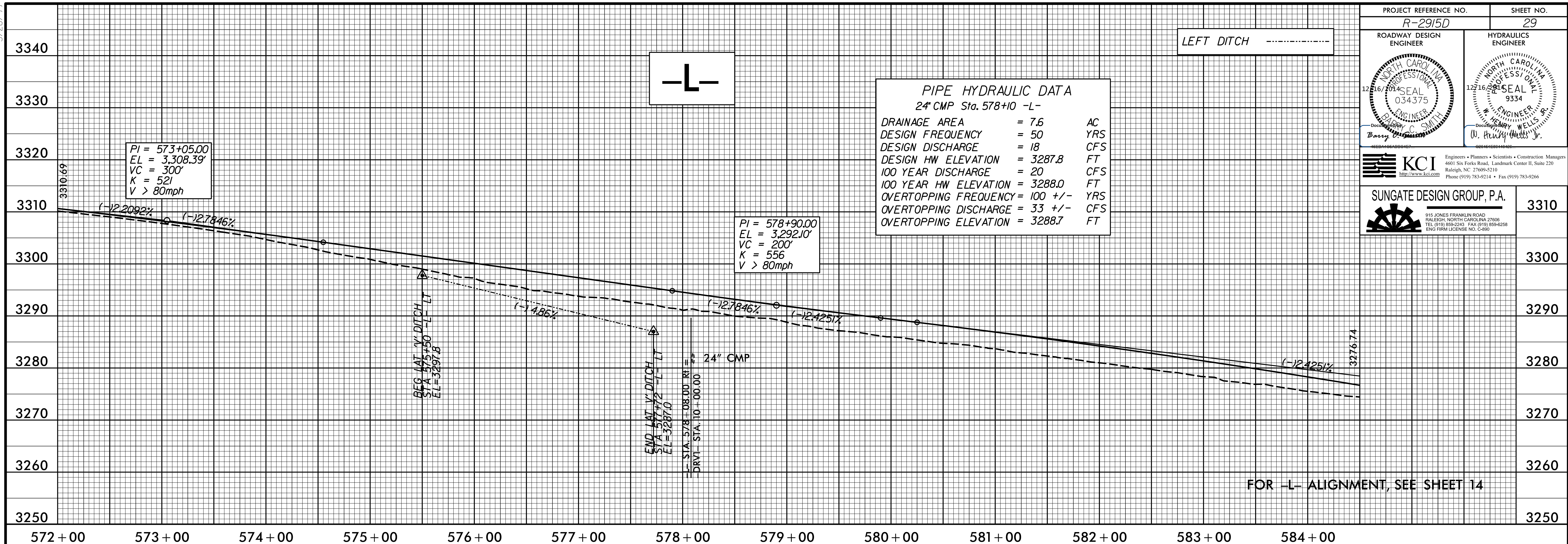


5/28/99

PROJECT REFERENCE NO. R-2915D	SHEET NO. 29
ROADWAY DESIGN ENGINEER BARRY C. SMITH	HYDRAULICS ENGINEER W. HEURY WELLS JR.
SUNGATE DESIGN GROUP, P.A.	



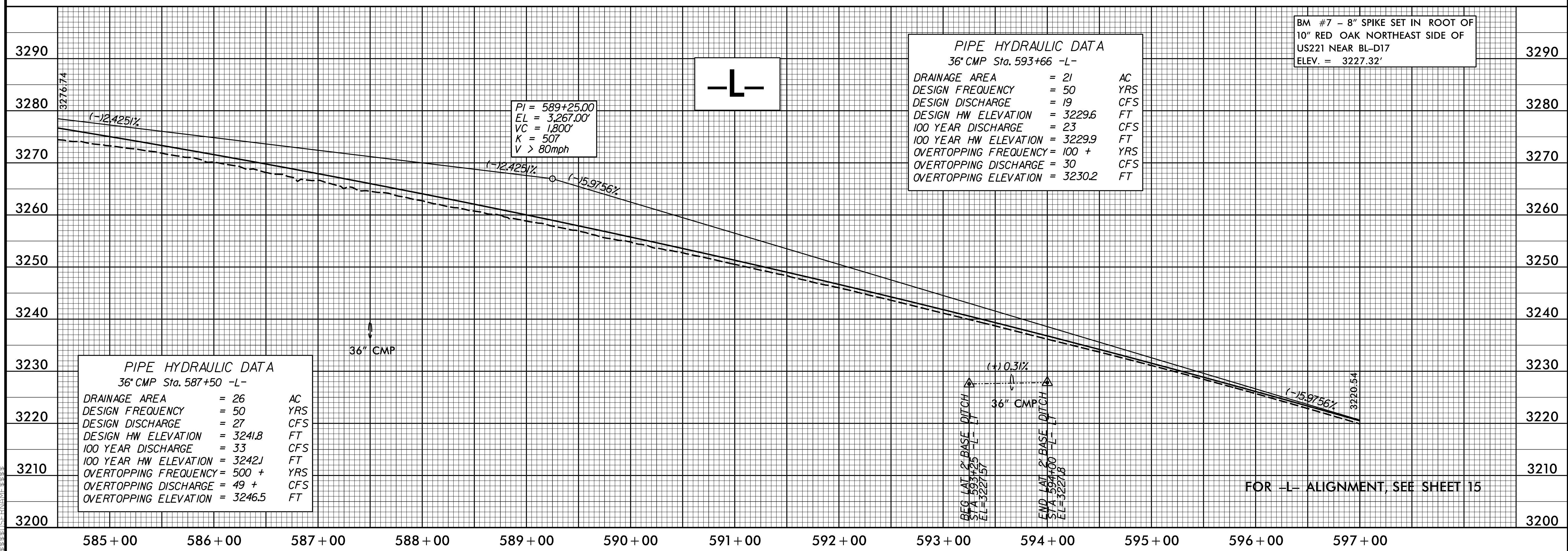
PIPE HYDRAULIC DATA
24" CMP Sta. 578+10 -L-

DRAINAGE AREA	= 7.6	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 18	CFS
DESIGN HW ELEVATION	= 3287.8	FT
100 YEAR DISCHARGE	= 20	CFS
100 YEAR HW ELEVATION	= 3288.0	FT
OVERTOPPING FREQUENCY	= 100 +/-	YRS
OVERTOPPING DISCHARGE	= 33 +/-	CFS
OVERTOPPING ELEVATION	= 3288.7	FT

PI = 573+05.00
EL = 3308.39'
VC = 300'
K = 521
V > 80mph

PI = 578+90.00
EL = 3292.10'
VC = 200'
K = 556
V > 80mph

BM #7 - 8" SPIKE SET IN ROOT OF
10" RED OAK NORTHEAST SIDE OF
US221 NEAR BL-D17
ELEV. = 3227.32'



PIPE HYDRAULIC DATA
36" CMP Sta. 593+66 -L-

DRAINAGE AREA	= 21	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 19	CFS
DESIGN HW ELEVATION	= 3229.6	FT
100 YEAR DISCHARGE	= 23	CFS
100 YEAR HW ELEVATION	= 3229.9	FT
OVERTOPPING FREQUENCY	= 100 +	YRS
OVERTOPPING DISCHARGE	= 30	CFS
OVERTOPPING ELEVATION	= 3230.2	FT

PIPE HYDRAULIC DATA
36" CMP Sta. 587+50 -L-

DRAINAGE AREA	= 26	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 27	CFS
DESIGN HW ELEVATION	= 3241.8	FT
100 YEAR DISCHARGE	= 33	CFS
100 YEAR HW ELEVATION	= 3242.1	FT
OVERTOPPING FREQUENCY	= 500 +	YRS
OVERTOPPING DISCHARGE	= 49 +	CFS
OVERTOPPING ELEVATION	= 3246.5	FT

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