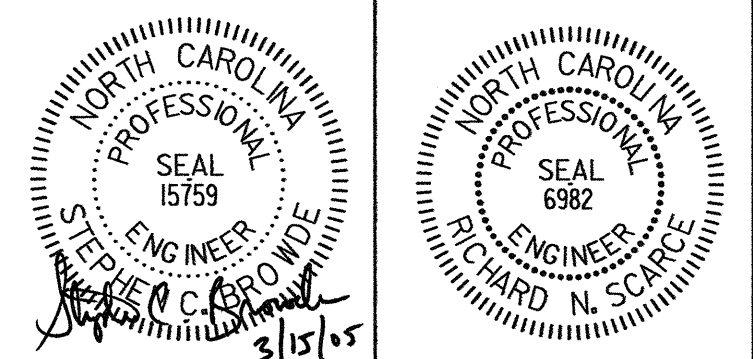


CONST.REV.
R/W REV.



PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NO.53

DRAINAGE AREA	= 7.9	HA
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 0.96	CMS
DESIGN HW ELEVATION	= 86.7	M
100 YEAR DISCHARGE	= 1.1	CMS
100 YEAR HW ELEVATION	= 86.25	M
OVERTOPPING FREQUENCY	= 100+	YRS
OVERTOPPING DISCHARGE	= 1.4	CMS
OVERTOPPING ELEVATION	= 86.40	M

PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NO.59

DRAINAGE AREA	= 12.5	HA
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 1.5	CMS
DESIGN HW ELEVATION	= 86.32	M
100 YEAR DISCHARGE	= 1.7	CMS
100 YEAR HW ELEVATION	= 86.40	M
OVERTOPPING FREQUENCY	= 100	YRS
OVERTOPPING DISCHARGE	= 1.7	CMS
OVERTOPPING ELEVATION	= 86.40	M

PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NO.49

DRAINAGE AREA	= 0.82	HA
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 0.29	CMS
DESIGN HW ELEVATION	= 86.99	M
100 YEAR DISCHARGE	= 0.32	CMS
100 YEAR HW ELEVATION	= 87.05	M
OVERTOPPING FREQUENCY	= 500	YRS
OVERTOPPING DISCHARGE	= 0.70	CMS
OVERTOPPING ELEVATION	= 87.50	M

PI = 120+20.000
EL = 100.997 m
VC = 870 m
K = 163

PROPOSED UNDERCUT

-L2LT-

-L2RT-

LOCHNER
H. W. LOCHNER, INC.
2840 PLAZA PLACE, SUITE 202
RALEIGH, NC 27612

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