

6/10/2004  
15-JUL-2004 15:45  
SECalhoun rd-09oce34

(NC 16)

PROJECT REFERENCE NO. R-2206C  
ROADWAY DESIGN ENGINEER

SHEET NO. 64  
HYDRAULICS ENGINEER

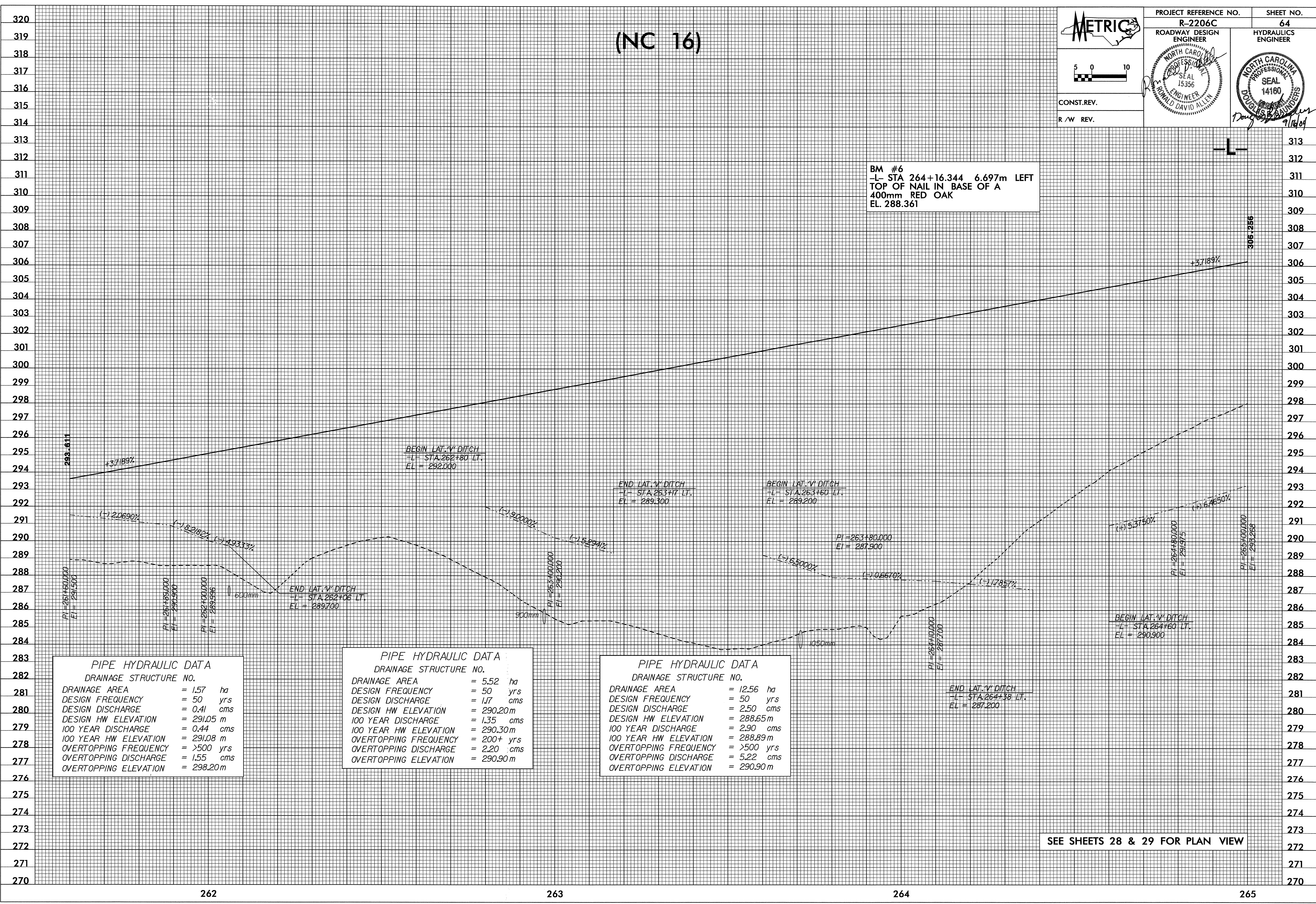
CONST. REV.  
R / W REV.

METRIC

5 0 10

NORTH CAROLINA PROFESSIONAL SEAL 15356 ENGINEER RONALD DAVID ALLEN

NORTH CAROLINA PROFESSIONAL SEAL 14180 DOUGLAS B. BAUMANN



PIPE HYDRAULIC DATA	
DRAINAGE STRUCTURE NO.	
DRAINAGE AREA	= 1.57 ha
DESIGN FREQUENCY	= 50 yrs
DESIGN DISCHARGE	= 0.41 cms
DESIGN HW ELEVATION	= 291.05 m
100 YEAR DISCHARGE	= 0.44 cms
100 YEAR HW ELEVATION	= 291.08 m
OVERTOPPING FREQUENCY	= >500 yrs
OVERTOPPING DISCHARGE	= 1.55 cms
OVERTOPPING ELEVATION	= 298.20 m

PIPE HYDRAULIC DATA	
DRAINAGE STRUCTURE NO.	
DRAINAGE AREA	= 5.52 ha
DESIGN FREQUENCY	= 50 yrs
DESIGN DISCHARGE	= 1.17 cms
DESIGN HW ELEVATION	= 290.20 m
100 YEAR DISCHARGE	= 1.35 cms
100 YEAR HW ELEVATION	= 290.30 m
OVERTOPPING FREQUENCY	= 200+ yrs
OVERTOPPING DISCHARGE	= 2.20 cms
OVERTOPPING ELEVATION	= 290.90 m

PIPE HYDRAULIC DATA	
DRAINAGE STRUCTURE NO.	
DRAINAGE AREA	= 12.56 ha
DESIGN FREQUENCY	= 50 yrs
DESIGN DISCHARGE	= 2.50 cms
DESIGN HW ELEVATION	= 288.65 m
100 YEAR DISCHARGE	= 2.90 cms
100 YEAR HW ELEVATION	= 288.89 m
OVERTOPPING FREQUENCY	= >500 yrs
OVERTOPPING DISCHARGE	= 5.22 cms
OVERTOPPING ELEVATION	= 290.90 m

SEE SHEETS 28 & 29 FOR PLAN VIEW