

6/10/03

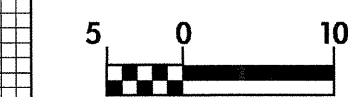
BM NO. 206, IP & CAP
-LBL- STA. 28+40.975 EL= 662.3830

BM NO. 215, IP & CAP
-Y3BL- STA. 5+00.000 EL= 665.1340



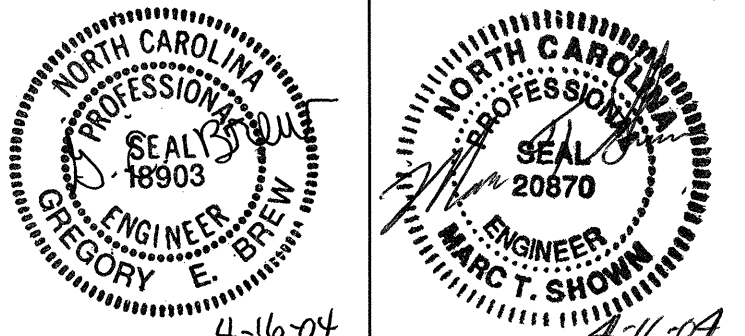
PROJECT REFERENCE NO. R-2813C SHEET NO. 20

ROADWAY DESIGN ENGINEER HYDRAULICS ENGINEER



CONST. REV.

R/W REV.



PIPE HYDRAULIC DATA	
DRAINAGE STRUCTURE NO.	
DRAINAGE AREA	= 60 HA
DESIGN FREQUENCY	= 50 YRS
DESIGN DISCHARGE	= 8.6 CMS
DESIGN HW ELEVATION	= 660.21 M
100 YEAR DISCHARGE	= 10.1 CMS
100 YEAR HW ELEVATION	= 660.57 M
OVERTOPPING FREQUENCY	= 500+ YRS
OVERTOPPING DISCHARGE	= N/A CMS
OVERTOPPING ELEVATION	= 662.80M

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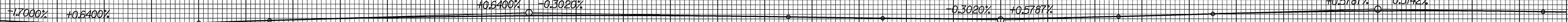
DESIGN EXCEPTION REQUIRED FOR SAG VERTICAL CURVE

PI = 55+80.000
EL = 662.615 m
VC = 60 m
K = 26

PI = 56+80.000
EL = 663.255 m
VC = 110 m
K = 117

PI = 57+80.000
EL = 662.953 m
VC = 50 m
K = 57

PI = 58+60.000
EL = 663.416 m
VC = 70 m
K = 78



2 - 1200mm WELDED STEEL PIPES

-L-

+60 +80 56 +20 +40 +60 +80 57 +20 +40 +60 +80 58 +20 +40 +60 +80 59

16-APP-2004 APPS_BDY_PFL_LREV.dgn