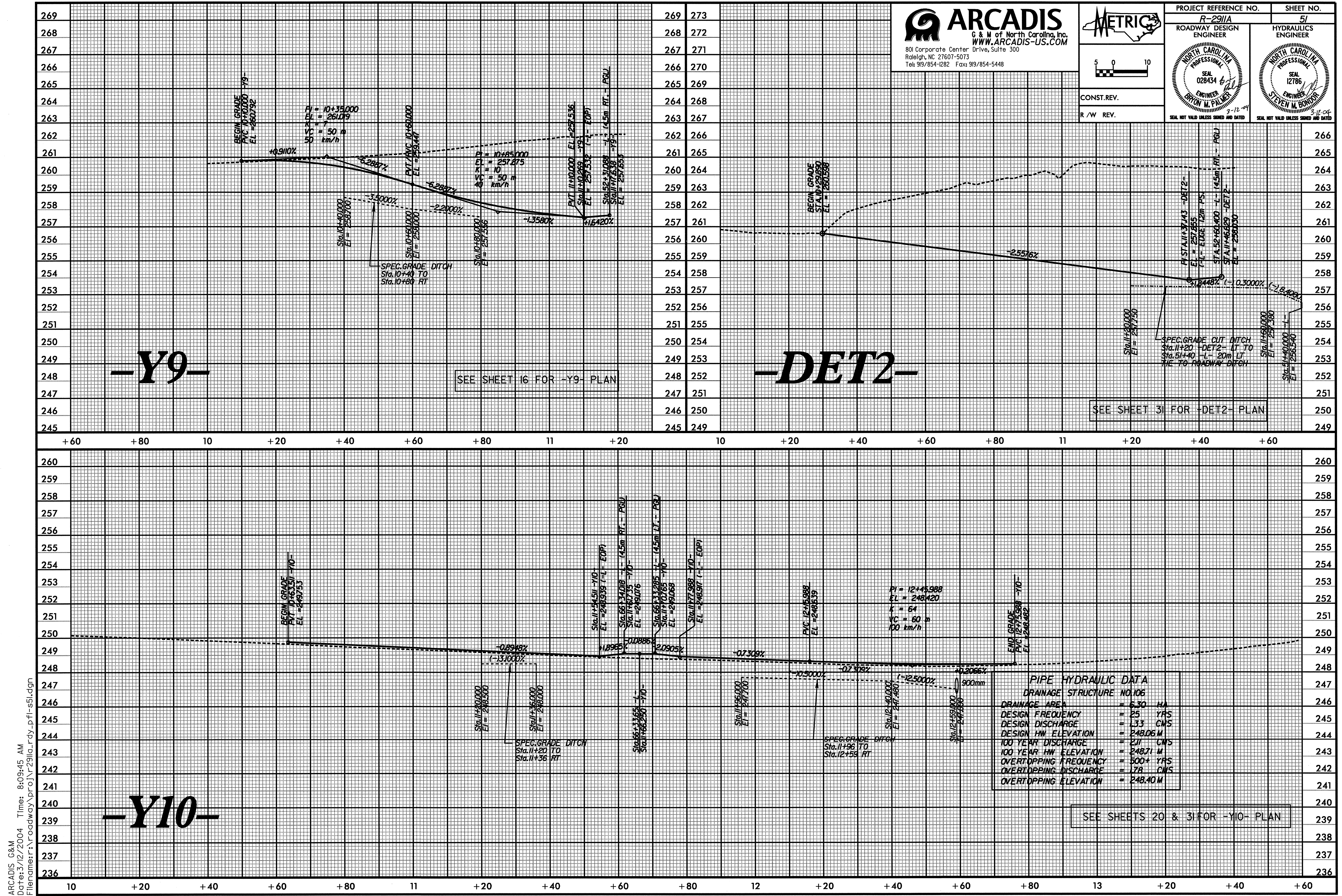


ARCADIS G&M  
 Date: 3/12/2004 Time: 8:09:45 AM  
 Filename: r:\roadway\proj\291\la\_rdy\_pfl-s81.dgn



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5 0 10  
 CONST. REV.  
 R / W REV.

PROJECT REFERENCE NO.  
**R-291/A**

ROADWAY DESIGN ENGINEER

SHEET NO.  
**51**

HYDRAULICS ENGINEER

**-Y9-**

SEE SHEET 16 FOR -Y9- PLAN

**-DET2-**

SEE SHEET 31 FOR -DET2- PLAN

**-Y10-**

SEE SHEETS 20 & 31 FOR -Y10- PLAN

PIPE HYDRAULIC DATA	
DRAINAGE STRUCTURE NO.106	
DRAINAGE AREA	= 6.30 HA
DESIGN FREQUENCY	= 25 YRS
DESIGN DISCHARGE	= 1.33 CMS
DESIGN HW ELEVATION	= 248.06M
100 YEAR DISCHARGE	= 2.11 CMS
100 YEAR HW ELEVATION	= 248.71 M
OVERTOPPING FREQUENCY	= 500+ YRS
OVERTOPPING DISCHARGE	= 1.78 CMS
OVERTOPPING ELEVATION	= 248.40M