

-Y2-

SEE SHEETS 5 & 20 FOR Y2-PLAN

TRAN SITE CONSULTING  
ENGINEERS, INCORPORATED  
ENGINEERS • PLANNERS • CEI  
1300 Poddock Drive, Suite G-10  
Raleigh, N.C. 27609  
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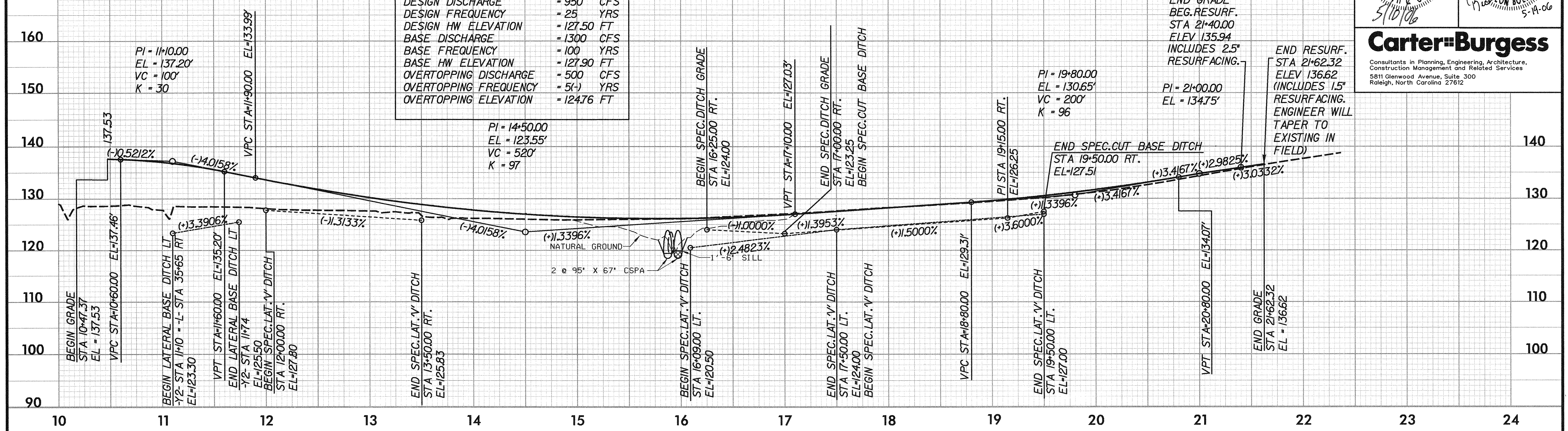
PROJECT REFERENCE NO. U-0620 SHEET NO. 33A

ROADWAY DESIGN ENGINEER  
NORTH CAROLINA PROFESSIONAL ENGINEER  
SEAL 30718  
5/10/06

HYDRAULICS ENGINEER  
NORTH CAROLINA PROFESSIONAL ENGINEER  
SEAL 18442  
5-19-06

**Carter-Burgess**  
Consultants in Planning, Engineering, Architecture,  
Construction Management and Related Services  
5811 Glenwood Avenue, Suite 300  
Raleigh, North Carolina 27612

STRUCTURE HYDRAULIC DATA	
DESIGN DISCHARGE	= 950 CFS
DESIGN FREQUENCY	= 25 YRS
DESIGN HW ELEVATION	= 127.50 FT
BASE DISCHARGE	= 1300 CFS
BASE FREQUENCY	= 100 YRS
BASE HW ELEVATION	= 127.90 FT
OVERTOPPING DISCHARGE	= 500 CFS
OVERTOPPING FREQUENCY	= 5(-) YRS
OVERTOPPING ELEVATION	= 124.76 FT



PI = 11+10.00  
EL = 137.20'  
VC = 100'  
K = 30

PI = 14+50.00  
EL = 123.55'  
VC = 520'  
K = 97

PI = 19+80.00  
EL = 130.65'  
VC = 200'  
K = 96

END GRADE  
BEG. RESURF.  
STA 21+40.00  
ELEV 135.94  
INCLUDES 2.5'  
RESURFACING.

END RESURF.  
STA 21+62.32  
ELEV 136.62  
(INCLUDES 1.5'  
RESURFACING.  
ENGINEER WILL  
TAPER TO  
EXISTING IN  
FIELD)

160

150

140

130

120

110

100

90

140

130

120

110

100

10

11

12

13

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