

ALIGNMENT:

TR E24W90 (RAMP D7)

TIE IN CROSS SLOPE = +1.00% (FROM EXISTING GROUND)

NC = -2.00%

$w = 16'$

$u_d = 25$ MPH

$G_{(25)} = 143:1$

divided roadway $\rightarrow b_w = 1$

+1.00% TO BE ACHIEVED UNTIL STA 700+64.4374

$$L = \Delta \cdot G \cdot b_w \cdot w$$

$$L = (0.02 + 0.01)(143)(1)(16)$$

$$L = 68.64'$$

use $L = 69.00'$

$$\begin{array}{r} 700+64.4374 \\ + \quad 69 \\ \hline 701+33.4374 \end{array}$$

END ROTATION @ STA 701+33.4374

BURGESS & NIPLE COMPUTATION SHEET

JOB NO. PID 25795 JOB NAME CIB - TRENCH SHEET 1 OF 1 SHEETS
SUBJECT RAMP D7 TIE-IN PREPARED BY NCL DATE 01/27/10
SCALE N/A CHECKED BY ALR DATE 2/1/10