Appendix 1, Exhibit 3, Plate 9

Calculation of Elevis along baselone w/slope=1.1% Glope = Der Length DEL = (slope) (length) 5TH 3+27 : 6 = 517 - 327 = 190 LF AEL = (0.01) (190 H) = 2.09' EL = 90.9 + 2.09 = 92.99 = 93.00 mal STA 2+97 : L = 517 - 297 = 220 LF AEL = (0.011) (220') = 2.42' EL = 90.9 + 2.42 = 93.32' MSL STA 2+60 : L= 517 - 260 = 257 LF AEL. = (0.011) (257') = 2.83' EL. = 90.9 + 2.83 = 93.73' MEL 5TA 2+41 : 2= 517 - 241 = 276 LF AEL = (0,011) (276) = 3.04 EL. = 90.9 + 3,04 = 93.94 MSL

Calculation of Elev's along baseline w/slope = 1.1% (continued)
STA 1+99: L = 517 - 199 = 318 H
$\Delta EL. = (0.011)(318') = 3.50'$
EL. = 90,9 + 3.50 = 94.40 MSL
<u>STA 1+85</u> : L= 517 - 185 = 332 A
$\Delta EL = (0.011)(332) = 3.65^{1}$
EL. = 90.9 + 3.65 = 94.55' MSL
<u>STA 1+29</u> : L= 517-129= 388 At
DEL = (0.011) (388) = 4.27'
EL = 90.9 + 4.27 = 95.17' MSL
5774 + 15: $L = 517 - 118 = 399 + 1$
DEL. = (0.011)(399) = 4.39 Pt
EL = 90,9 + 4,39 = 95.29 A mel