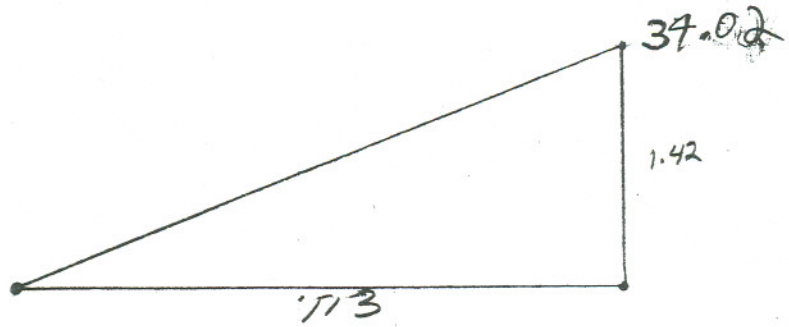
3/20/97

WARE ST.

DRAIN PIPE INSTALLATION

INLET TO D.M.H.
AT STA. 0+46
INV. ELEV. = 32.77



S = 0.0111

END OF PIPE AS OF 3/20/97 IS 1+76.0
0+46 IS TO CENTER LINE OF D.M.H. SO ADD 2 FT. 0+46 + 2 = 0+48
BEGINING OF PIPE

0+48 - 1+61 = 1+13.0 LINEAR FT.

SLOPE = RISE / RUN

RISE = (SLOPE) (RUN)
RISE = (0.0111)(113 FT) = 1.254 FT.

32.77 + 1.254 = 34.02 WHAT THE ELEV. SHOULD BE AT.

CONTRACTOR USED LEVEL & ROD TO MEASURE THE PIPE INV. AT STA 1+61.0
INV. ELEV. = 33.82 FT.

33.82 - 34.02 = 0.204

0.204 X 12 = 2.45 INCHES HIGH.

ACTUAL SLOPE = (33.82 - 32.72) / 113 = 0.0093