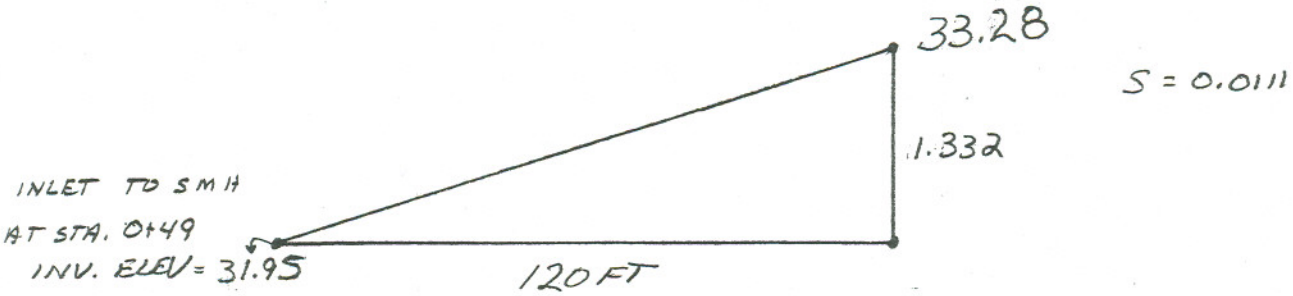
WARE ST.

3/20/97

SEWER PIPE INSTALLATION



END OF PIPE AS OF 3/20/97 IS 1+81 GS

0+49 IS TO CENTER LINE OF M.H. 4' DIAM. 0+49 + 2 = 0+51 BEGINING OF PIPE.

0+51 − 1+71 ≐ 120 FT LINEAR FT

$$\text{SLOPE} = \frac{\text{RISE}}{\text{RUN}}$$

RISE = (SLOPE) RUN

RISE = (0.0111)(120 FT)

RISE = 1.332

31.95 + 1.332 = 33.28 FT WHAT THE ELEV. SHOULD BE AT.

CONTRACTOR USED LEVEL & ROD TO MEASURE THE PIPE INV. AT STA. 1+71

INV. ELEV. = 32.93

33.28 FT − 32.93 FT = 0.35 FT

(0.35 FT)(12) = 4.20 INCHES LOW...

$$\text{ACTUAL SLOPE} = \frac{32.93 - 31.95}{120} = 0.0082$$