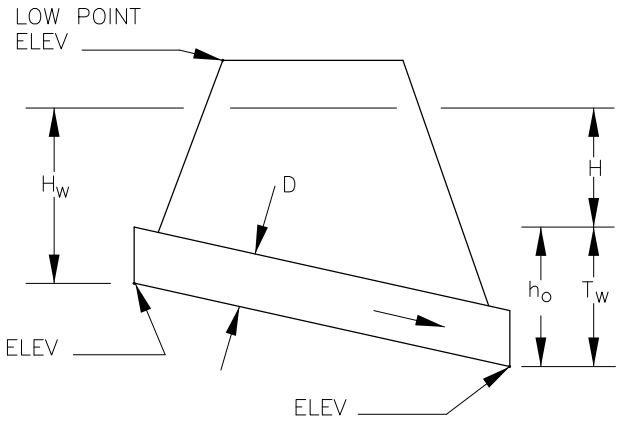
CULVERT RATING

PROJECT _____ LOCATION _____ STATION _____



S_o _____

L _____

$S_o L$ _____

CULVERT DATA

TYPE _____ n _____

INLET _____ Q_{FULL} _____

K_e _____ V_{FULL} _____

OUTLET CONTROL EQUATIONS

(1) $H_W = H + h_o - LS_o$

(2) FOR $T_W < D$; $h_o = \frac{d_c + D}{2}$ OR T_W (WHICHEVER IS GREATER)

$T_W > D$; $h_o = T_W$

(3) FOR BOX CULVERT: $d_c = 0.315(Q/B)^{2/3} \leq D$

	INLET CONTROL		OUTLET CONTROL								
					$T_W < D$		$T_W > D$		CONT	CONTROL	ELEV
Q	$\frac{H_W}{D}$	H_W	H	T_W	d_c	$\frac{d_c+D}{2}=h_o$	h_o	H_W	H_W		
1	2	3	4	5	6	7	8	9	10	11	12

N.T.S.

STANDARDS & SPECIFICATIONS

REVISED:

DATE:

DRAWING NO. 400-24

CULVERT RATING