## **STAGE DISCHARGE TABLE**

WATER ELEV IN POND	WATER ELEV IN RISER	LOWER OPENING WEIR FLOW		LOWER OPENING ORIFICE FLOW		RISER CREST WEIR FLOW		RISER CREST ORIFICE FLOW		BARREL Q4			EMERGENCY SPILLWAY		TOTAL Q
	Corre- sponds to greater of H40 or H4i	H1w	Q1w	H10	Q1o	H3w	Q3w	H3 <sub>0</sub>	Q30	Q1+Q3 = Q4	H40 due to Q4	H4i due to Q4	Н5	Q5	Q4 + Q5 = Q

## NOTE:

- LIST ALL EQUATIONS, VARIABLES, ETC.
- ONCE THE WATER ELEVATION WITHIN THE RISER RISES ABOVE ANY ORIFICE OR WEIR, THE EFFECTS OF THE SUBMERGENCE MUST BE ANALYZED AND THE REDUCTION IN THE DISCHARGE MUST BE ACCOUNTED FOR.
- HEAD MUST BE MEASURED TO CENTERLINE OF PIPE OUTLET OR ACTUAL TAILWATER, WHICHEVER IS GREATER. THE "100 YEAR" HYDRAULIC GRADIENT CALCULATIONS ARE NEEDED IF OUTLET IS CONNECTED TO STORM DRAIN SYSTEM.

