

DRAINAGE AREA = _____ ACRES RUNOFF CURVE NUMBER = _____
TIME OF CONCENTRATION T_c = _____ HRS.

PRINCIPAL SPILLWAY HYDROGRAPH

DESIGN STORM FREQUENCY = _____ YEAR 24 HR RAINFALL(P) = _____ IN.
PEAK INFLOW Q_1 = _____ CFS RUNOFF IN INCHES(V_r) = _____ IN.

PIPE FLOW

PIPE DIA. = _____ IN. PIPE LENGTH = _____ FEET
H = _____ FT. Q_o = _____ CFS (WATER SURFACE AT EMERGENCY SPILLWAY CREST)

PRINCIPAL SPILLWAY ROUTING

$\frac{V_s}{V_r} =$ _____ (USE $\frac{V_s}{V_r}$ AND FIGURE 6-1) $\frac{Q_o}{Q_1} =$ _____ (USE $\frac{Q_o}{Q_1}$ AND FIGURE 6-1)

EMERGENCY SPILLWAY ROUTING

DESIGN STORM FREQUENCY = _____ YEAR
24 HR. RAINFALL (P) = _____ IN. PEAK INFLOW Q_{1e} = _____ CFS
RUNOFF IN INCHES (V_r) = _____ IN.

EMERGENCY SPILLWAY DESIGN

USE FIGURE 1 2 3 (CIRCLE ONE) CHAP. 11 EFM H_p _____ Ft.

WIDTH = _____ FT. $\sqrt{\text{SIDE SLOPES}} =$ _____ $Q_e =$ _____ CFS
INLET SLOPE = _____ % EXIT SLOPE = _____ %
EXIT SLOPE (MIN.) = _____ % EXIT SLOPE (MAX.) = _____ %

EMERGENCY SPILLWAY ROUTING

FROM FIGURE 6-1 $V_s/V_r =$ _____

$V(a-f) = \frac{(V_s \text{ or } V_s/V_r \times V_r) \times D.A.}{12} =$ _____ ACRE-Feet (REQUIRED)

STAGE REQUIRED = _____ FT. (FROM STAGE STORAGE CURVE)
FREEBOARD (MINIMUM OF 1.0') = _____ DESIGN TOP OF DAM AT ELEV. _____

PHYSICAL DATA

NORMAL HEAD = _____ FT. MAXIMUM HEAD _____ FT.
NORMAL POOL AREA _____ AC. MAXIMUM POOL AREA _____ AC.
NORMAL POOL VOLUME _____ AC.- FT. MAXIMUM POOL VOLUME _____ AC.- FT.
LENGTH OF EMBANKMENT _____ FT.
HEIGHT OF DAM (LOW POINT ON CENTERLINE TO TOP) = _____ FT.
MAXIMUM DISCHARGE OF PRINCIPAL SPILLWAY _____ CFS
MAXIMUM DISCHARGE OF EMERGENCY SPILLWAY _____ CFS
MAXIMUM TOTAL SPILLWAY DISCHARGE (PRINCIPAL AND EMERGENCY): _____ CFS

PRINCIPAL SPILLWAY: DROP INLET
 HOOD INLET
 OTHER (SPECIFY)

DESIGN DATA

| | |
|----------------------|----------------|
| OWNER | |
| LCC, WI | |
| COUNTY | |
| Designed: _____ | Checked: _____ |
| SHEET _____ OF _____ | |

