



NORMAL POOL
ELEV. 340

MIN. W.S.
ELEV. 335

DECK ELEV. 348

FISHLADDER W.S.

FLOW

EL. 325.3

TRAVELING SCREEN

FISH-LADDER
EXIT
TO
FOREBAY

OLD
FISH
COUNTING
STATION

PICKETED
LEADS

ELEV. 326

ELEV. 328

6" ϕ PORTS
@ 30" CTRS.
FINGLING
BY-PASS

FLOW

Q = 1278 C.F.S.
 $V_{AVE}^{(1)} = 1.2$ FPS.
 $V_{MAX}^{(2)} = 1.4$ FPS.

TRASH RACK
SLOT

EL. 291

12" (x2)

30" ϕ FINGLING BYPASS

8' x 8' TANTER VALVE

2. x 12" PIPES
IRRIGATION
SUPPLY TO
VALVE PIT II

AUXILIARY WATER SUPPLY CONDUIT
FOR FISHLADDER
DIFFUSERS 8-14

ELEV. 298.0

FLOW

R = 18.0'

R = 26.0'

8.0' 2.67'
 $x^2 + y^2 = 64$

4' x 6' CONDUIT

R = 18.0'

R = 26.0'

INV.
ELEV.
280.25

ELEV.
280.0

ELEV. 275.0

ELEV. 279.5

FUTURE FISHLADDER SUPPLY CONDUIT

12' TRANSITION

NOTES:

- (1) AVG. VELOCITY BASED ON GROSS AREA BELOW CURTAIN WALL ELEV. 330.
- (2) MAX. VELOCITY BASED ON 83% OF GROSS AREA DUE TO AREA BLOCKED BY HORIZONTAL SCREEN TRAY FRAMES. (REQUIRED BY FISH AGENCIES)

CHAPMAN SLUICE GATE
BOR. IRRIGATION CHANNEL
AND FISH POND SUPPLY
48" W x 72" H GATE
4' W x 6' H

SCALE IN FEET



M McNary Lock and Dam
COLUMBIA RIVER, OREGON & WASHINGTON
O OREGON SHORE FISHWAY
GRAVITY WATER SUPPLY INTAKE
ELEVATION