

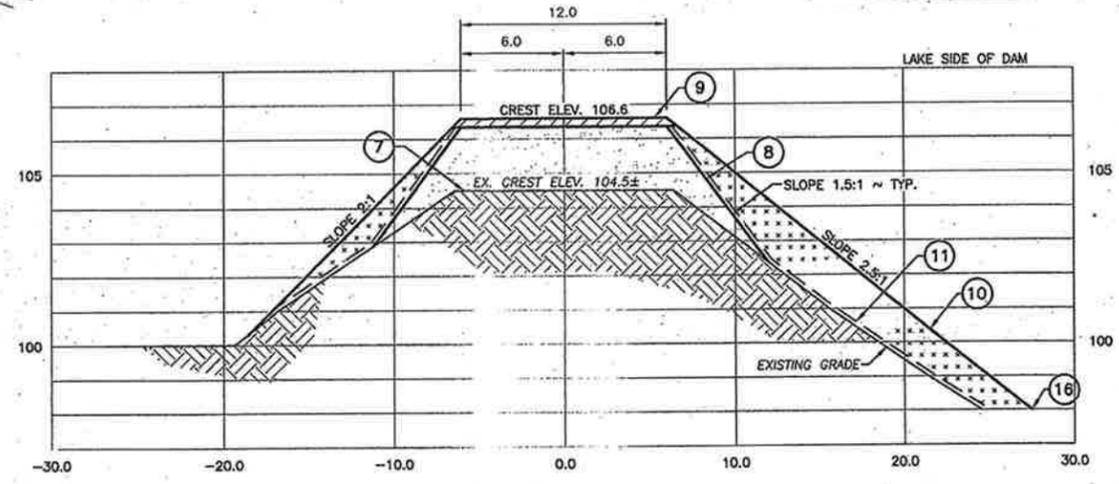
WATER LEVEL = 97.3'  
ON 4/13/1994

**SITE PLAN**  
SCALE: 1" = 20'

- NOTES:**
- EXISTING CONCRETE SPILLWAY
  - EXISTING 3 FOOT DIAMETER CMP LOW LEVEL OUTLET WITH CONCRETE INLET AND OUTLET.
  - EXISTING SPILLWAY CHANNEL
  - EXISTING PARKING AREA
  - EXISTING FENCING
  - RE-GRADE EXISTING BOAT RAMP TO APPROXIMATELY A 15% GRADE.
  - SCRAP OFF SOD AND VEGETATION FROM EXISTING CREST OF DAM.
  - RAISE EXISTING DAM TO A MINIMUM ELEVATION OF 106.6 FEET. MATERIAL TO RAISE DAM SHALL CONSIST OF LOW PERMEABLE COMPACTED FILL BELOW 106.3 FEET. LOW PERMEABILITY FILL SHOULD BE A 3 INCH MINUS, REASONABLY WELL GRADED MATERIAL WITH AT LEAST 20 PERCENT PASSING THE NUMBER 200 SIEVE. FILL SHALL BE PLACED IN SUCH A MANNER AS TO AVOID ANY DETRIMENTAL SEGREGATION THAT YIELDS POCKETS OF HIGHLY PERVIOUS NESTED GRAVEL. COMPACT TO 95 PERCENT PER ASTM D698.
  - CRUSHED SURFACING TOP COURSE (WSDOT 9-03.9(3)) ABOVE ELEVATION 106.3 FEET. COMPACT TO 95 PERCENT PER ASTM D698.
  - 2 TO 6 INCH ANGULAR MATERIAL WITH 0-2 PERCENT PASSING THE NUMBER 100 SIEVE (MATERIAL PREVIOUSLY SELECTED DURING SITE MEETING, SIMILAR TO EXISTING ON SITE).
  - PLACE SEPARATION GEOTEXTILE FABRIC ON SLOPES (WSDOT 9.33.2(1) TABLE 3) 8 OUNCE (NON-WOVEN).
  - MATERIAL TO RAISE DAM SHALL CONSIST OF LOW PERMEABLE COMPACTED FILL BELOW 106.3 FEET. LOW PERMEABILITY FILL SHOULD BE A 3 INCH MINUS, REASONABLY WELL GRADED MATERIAL WITH AT LEAST 20 PERCENT PASSING THE NUMBER 200 SIEVE. FILL SHALL BE PLACED IN SUCH A MANNER AS TO AVOID ANY DETRIMENTAL SEGREGATION THAT YIELDS POCKETS OF HIGHLY PERVIOUS NESTED GRAVEL. COMPACT TO 95 PERCENT PER ASTM D698.
  - CUT AND REMOVE 8 TREES. DO NOT REMOVE STUMPS OR ROOTS.
  - ALL ELEVATIONS ARE ASSUMED. USE TOP OF SPILLWAY WALL AS TEMPORARY BENCH MARK.
  - APPROXIMATE TOE OF VERTICAL SLOPE (APPROXIMATELY 241' FROM SPILLWAY WEST WALL).
  - EXTEND NEW 2.5 TO 1 SLOPE TO EXISTING GRADE.
  - CALL FENGANG MA (509-329-3540) THREE BUSINESS DAY PRIOR TO BEGINNING CONSTRUCTION TO ARRANGE INSPECTION

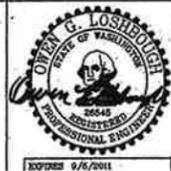
\* APPROXIMATE QUANTITY OF TOTAL FILL = 650 CUBIC YARD

**MODIFICATIONS APPROVED FOR CONSTRUCTION**  
per ROW 50.03.350  
By: *Douglas J. Johnson* Date: 6/2/2010  
Professional Engineer No.: 25397



**SECTION A**  
SCALE: VERT. 1" = 2.5'  
HORZ. 1" = 5'

WASHINGTON STATE  
DEPARTMENT OF FISH AND WILDLIFE



SYM	DATE	REVISION DESCRIPTION
		APPROVED AND RELEASED FOR CONSTRUCTION
		CHIEF ENGINEER: <i>Owen Loshko</i> DATE: 5/25/2010

0 — 1" BAR MEASURES ONE INCH ON ORIGINAL DRAWINGS  
DESIGNED BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_  
DRAWN BY: D. SMITH  
DATE: 5/25/2010

HOG LAKE DAM/ACCESS  
DAM ALTERATION  
SITE PLAN  
AND SECTION

PROJECT NO. SE:A430:10-1  
SHEET 1 OF 1