

NOTE:
SEE S1.4 FOR FISHWAY ENTRANCE & LAMPREY PASSAGE
FACILITY FRAMING & GRATING.

VERIFY SCALE	
BAR IS ONE INCH ON ORIGINAL DRAWING	IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY
0	1



PLAN
LAMPREY PASSAGE FACILITY
SCALE: 3/4" = 1'-0"

GENERAL STRUCTURAL NOTES & SPECIFICATIONS:

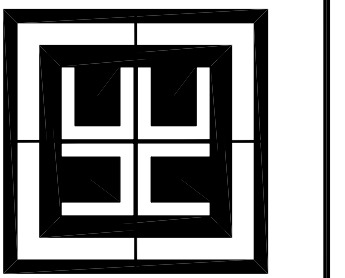
1. ALL TUBE STRUCTURES, FLUMES & BOX FEATURES ARE MADE OF STRUCTURAL ALUMINUM CHANNELS, BARS, PLATES & ANGLES, UNO.
2. ALL PLATES TO FABRICATE THE BOX & FLUME SHAPES ARE 3/16 INCH THICK UNLESS NOTED OTHERWISE (UNO).
3. INSPECTION COVER LID PLATES ARE 1/4 INCH THICK.
4. THE PLATE MATERIALS ARE 5052-H32 ALUMINUM ALLOY, & TYPE 304 STAINLESS STEEL.
5. ANGLES, CHANNELS & TUBES MATERIAL ARE 6061-T6 ALUMINUM ALLOY, & TYPE 304 STAINLESS STEEL.
6. MOST WELDS FOR BOX AND/OR FLUME-TO-FLANGE PIECES ARE 1/4 INCH FILLET WELDS. SOME WELDS ARE CONTINUOUS, SOME ARE SKIP WELDS.
7. FLANGE CONNECTIONS ARE USING 3/8 INCH DIAMETER BY 1 INCH LONG MACHINE BOLTS.
8. ALL MACHINE BOLT OR MACHINE SCREW FASTENERS ARE STAINLESS STEEL.
9. CONCRETE ANCHORS ARE STAINLESS STEEL HILTI STUD TYPE ANCHORS.
10. FOR FASTENING ALUMINUM TO CONCRETE SURFACES, THE CONCRETE ANCHOR SIZE IS 1/2 INCH UNO.
11. ALL FLANGE CONNECTIONS GET A BEAD OF PURE SILICON RUBBER SEALANT ALL AROUND WHEN THE FLANGES ARE CONNECTED TOGETHER.
12. EXIT AREAS FROM THE VARIOUS TUBES & FLUMES LEADING INTO THE RESTING BOXES HAVE A BLACK PLASTIC MESH CONE THAT PERMITS LAMPREYS TO PASS EASILY THRU THEM INTO THE BOX BUT NOT BACK INTO THE FLUME OR TUBE.
13. INSPECTION COVERS ARE ATTACHED USING 1/8 INCH THICK NOMINAL STAINLESS STEEL HINGES.
14. THE PIT TAG READER BOXES HAVE AN INTERIOR PVC RECTANGULAR TUBE (7.625"x5.625" INTERIOR DIMENSION) FOR HOLDING WIRE WRAPS ABOUT THEM. WALL THICKNESS IS 3/8 INCH.
15. TYPICAL INVERT SLOPE OF FLUMES & EXIT PIECES TO & FROM THE RESTING BOXES IS ABOUT 45 DEGREES.
16. TYPICAL FLOWING DEPTHS IN THE FLUMES ARE ABOUT 1 INCH DEEP.
17. CLOSURE LATCHES FOR THE COVERS FOR THE VARIOUS BOXES ARE RUBBER DRAW LATCHES SUPPLIED FROM MCMASTER CARR AS PRODUCT ID 1685A22.

DIMENSION CAVEAT:

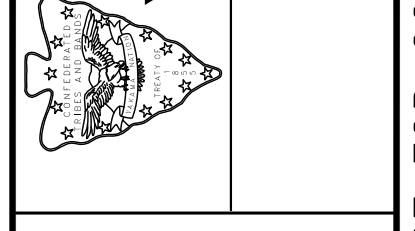
1. REGARDING THE FIELD WORK TO OBTAIN THE DIMENSIONS SHOWN IN THIS SET OF DRAWINGS, THE DIMENSIONS WERE GENERALLY MEASURED TO THE NEAREST 1/8" INCH AS MUCH AS POSSIBLE. IN SOME OF THE MORE DIFFICULT PLACES TO REACH, THE STRUCTURE PIECES WERE MEASURED TO THE NEAREST INCH.
2. IT SHOULD BE REASONABLE TO USE THE MEASUREMENTS FOR THE SMALLER INDIVIDUAL PIECES OF THE FACILITY AS BEING MORE ACCURATE THAN THE DISTANCE MEASUREMENTS DEFINING THE LOCATION OF THE PIECES. SHOULD LOCATION DATA BE NEEDED TO A MORE ACCURATE LEVEL, IT IS RECOMMENDED THAT A SITE VISIT BE MADE TO VERIFY THAT THE DIMENSIONS IN THE FIELD MATCH THE DIMENSIONS ON THE DRAWINGS.

SCALE:	AS NOTED	CHK BY:	DRW BY:	ELL	REF:
		JRH	JRH		
REVISION	DESCRIPTION	DATE			

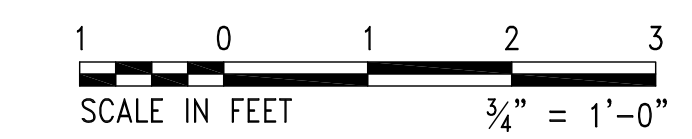
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LYLE FALLS FISHWAY IMPROVEMENTS
YAKAMA NATION, TOPPENISH WASHINGTON
LAMPREY PASSAGE FACILITY
OVERALL PLAN



JOB NO.	08032.02
DATE:	01.05.10
SHEET:	136 OF XX
DWG.#	S11.0



BID SET | NOT FOR CONSTRUCTION