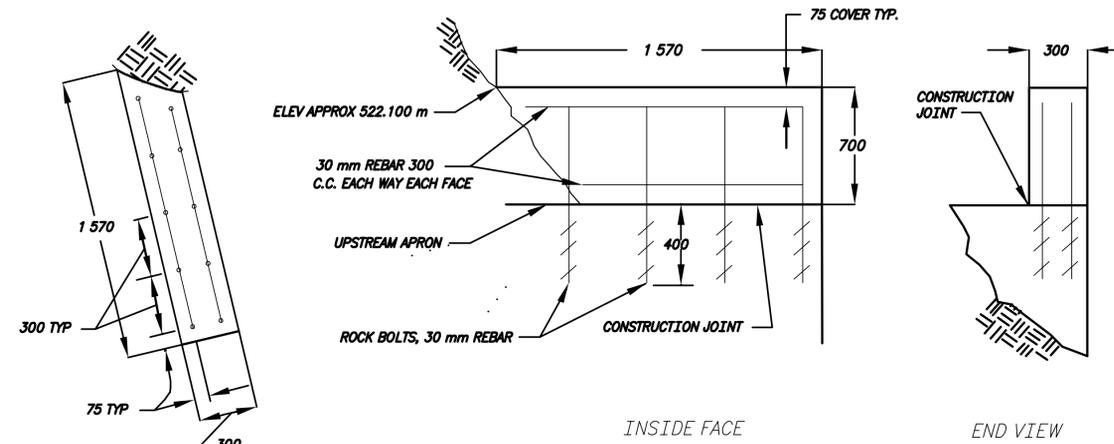


NEW WADDELL DAM  
TOPOGRAPHY TULE CREEK FISH BARRIER  
SURVEY DATE: JULY 2, 1983  
ACCURACY SCALE: 1:240 C.I.: 0.2m  
METHOD: TRANSIT AND LEVEL  
SOURCE: FIELD SURVEY  
APD-SURVEY, 521 FILE 44578089

TOPOGRAPHY



ALL DIMENSIONS ARE METERS (m) UNLESS OTHERWISE NOTED



INSIDE FACE

END VIEW

WING WALL

NOT TO SCALE

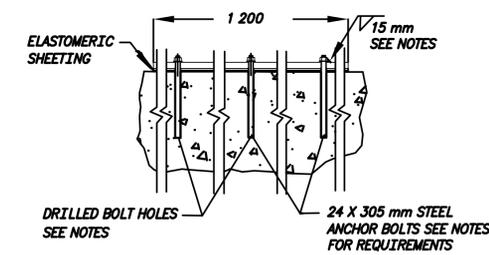
ALL DIMENSIONS ARE MILLIMETERS (mm) UNLESS OTHERWISE NOTED

LEGION



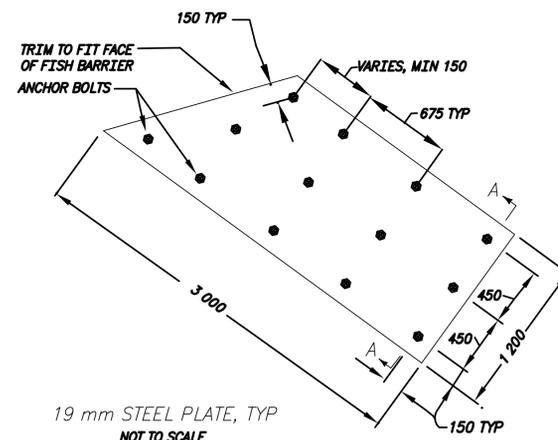
NOTES

Arizona state plane coordinate system, Central Zone, in metric.  
Topography is a composite taken from APO - Manuscript Nos. 4437W and 4365W, through Geograph Information Service, and an APO survey dated September 3, 1994. Original survey is shown with solid lines having a 500 mm contour interval. The September 3, 1994 survey, shown with dashed lines, having a 100 mm or 200 mm contour interval.  
The topography of the streambed as shown on this drawing is subject to change due to varying sediment conditions in the channel with streamflows.  
Anchor bolts fabricated from threaded rod, shall be installed in drilled holes 30 mm in diameter and a minimum of 240 mm deep using the Hilti Inc. HVA adhesive anchor system or equal. Holes shall be cleaned and anchors installed following the manufacturer's installation instructions.  
Minimum bond strength for threaded rod anchors shall be 9,000 N.  
Nuts shall be torqued against lock washers to a minimum of 280 N/1 000 mm and a maximum of 330 N/1 000 mm. 15 mm spot welding of each nut to the plate.



SECTION A - A

NOT TO SCALE



19 mm STEEL PLATE, TYP  
NOT TO SCALE

ALL DIMENSIONS ARE MILLIMETERS (mm) UNLESS OTHERWISE NOTED

ALWAYS THINK SAFETY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF RECLAMATION  
CENTRAL ARIZONA PROJECT  
REGULATORY STORAGE DIVISION - ARIZONA  
NEW WADDELL DAM  
TULE CREEK FISH BARRIER  
PLAN AND SECTIONS

DESIGNED: \_\_\_\_\_ TECH. APPROVAL: \_\_\_\_\_  
DRAWN: J. BLADDEN/A.MOE. SUBMITTED: \_\_\_\_\_  
CHECKED: \_\_\_\_\_ APPROVED: \_\_\_\_\_

CADD SYSTEM: CADSYS CADD FILENAME: 14839 APRIL-11, 1994  
PHOENIX, ARIZONA SHEET 3 OF 5 344-330-14839