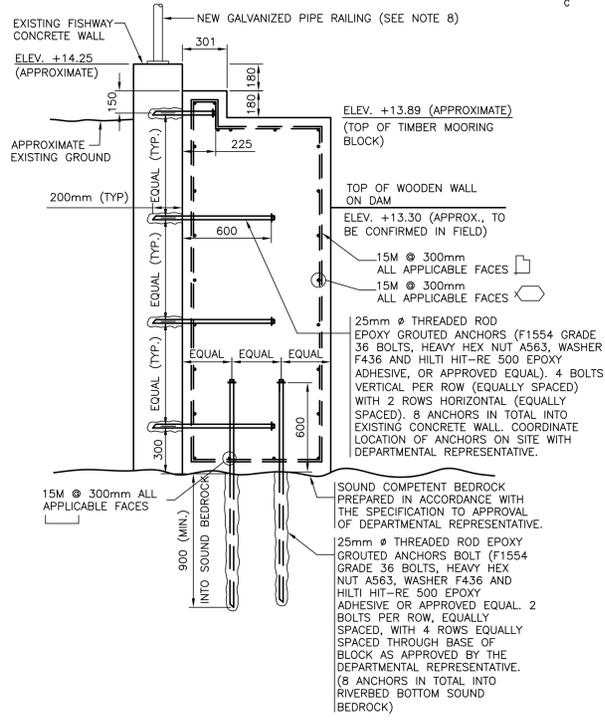


1 MOORING BLOCK DETAIL (FISHWAY)

SCALE: 1:20

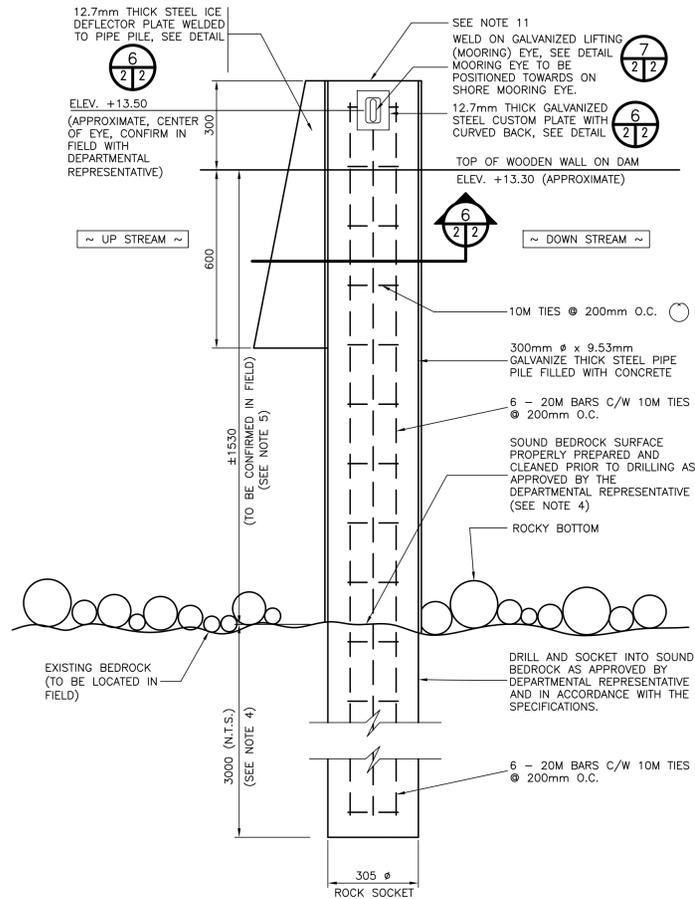


4 MOORING BLOCK DETAIL

SCALE: 1:20

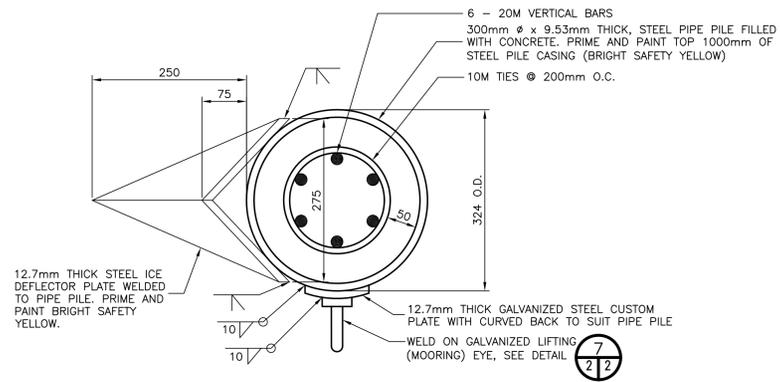
GENERAL NOTES:

- DO NOT SCALE FROM DRAWINGS.
- ALL DIMENSIONS ARE IN MILLIMETRES AND ALL ELEVATIONS ARE IN METRES. ELEVATIONS ARE REFERENCED TO THE PROJECT BENCHMARK AS PER PROJECT DRAWING SHEET C1.
- ALL STEEL, BOLTS, ANCHORS, MOORING EYES AND PLATES SHALL TO BE GALVANIZED. PORTION OF PIPE PILE AND ICE DEFLECTOR PLATE SHALL BE PRIMED AND PAINTED.
- DRILL AND SOCKET MOORING PILE NO LESS THAN 3000mm INTO SOUND BEDROCK MATERIAL AS APPROVED BY THE DEPARTMENTAL REPRESENTATIVE. CONTRACTOR SHALL CONFIRM SOUND BEDROCK SURFACE WHICH MAY REQUIRE SOME SUB-EXCAVATION OF BOTTOM MATERIALS TO UNCOVER.
- ADVISE DEPARTMENTAL REPRESENTATIVE IMMEDIATELY IF THE LENGTH OF PILE TO THE SOUND BEDROCK SURFACE EXCEEDS THE LENGTHS INDICATED. CONFIRM PRIOR TO START OF WORK.
- THE CONCRETE FILLED PILE PIPE HAS A UNFACTORED LIVE LOAD CAPACITY BASED ON A POINT LOAD AT THE TOP OF THE PILE OF 15 KN. THIS IS BASED ON THE FOLLOWING DESIGN ASSUMPTIONS:
- UNBRACED PILE LENGTH OF 1800mm
- FIXITY IS DEVELOPED AT POINT OF PENETRATION INTO SOUND BEDROCK.
- NEW GALVANIZED PIPE RAILING IN THIS AREA TO BE MODIFIED WITH A DROP-IN-SECTION FOR ACCESS TO MOORING BLOCK IF THE OPTIONAL MOORING SYSTEM WORK IS APPROVED TO PROCEED.
- NEW GALVANIZED DROP IN GATE FOR ACCESS TO MOORING BLOCK AS PER DETAIL 5/4/4 ON SHEET C4 OF THE MAIN PROJECT DRAWINGS.
- NEW GALVANIZED PIPE RAILING. SEE DETAIL 4/4/4 ON SHEET C4 OF THE MAIN PROJECT DRAWINGS.
- ADVISE DEPARTMENTAL REPRESENTATIVE IMMEDIATELY IF ANY FIELD CHECKS ON ELEVATIONS SHOWN ARE IN ANYWAY DIFFERENT FROM WHAT IS INDICATED.
- PROVIDE ANY ADDITIONAL NAVIGATIONAL SAFETY COMPONENTS (I.E. FLAGS, REFLECTORS, ETC.) TO THE PIPE PILE MOORING AS REQUIRED BY GOVERNING AUTHORITIES AND THE DEPARTMENTAL REPRESENTATIVE.



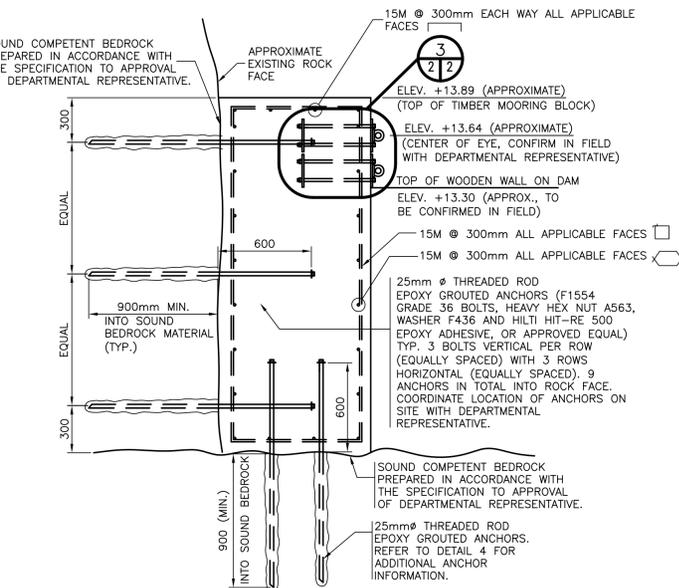
5 MOORING PILE SECTION

SCALE: 1:10



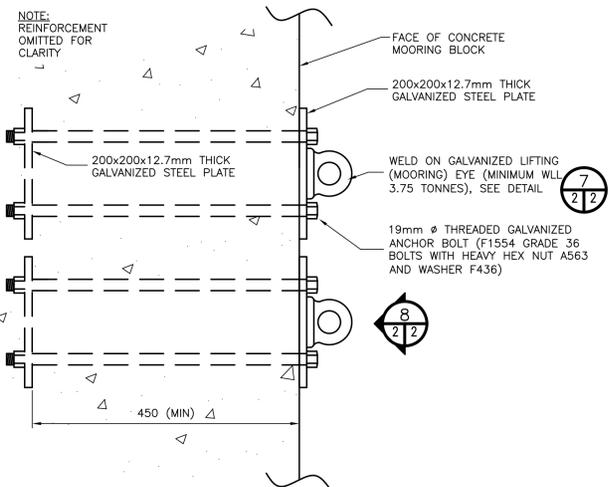
6 PIPE PILE DETAILS (TYP.)

SCALE: 1:5



2 MOORING BLOCK DETAIL

SCALE: 1:20



3 MOORING EYE DETAILS (TYP.)

SCALE: 1:5

7 EYE PLATES (TYP.)

SCALE: 1:5

8 DETAIL (TYP.)

SCALE: 1:5

REDUCED - NOT TO SCALE

| | | |
|---|-----------------------|----------|
| B | ISSUED FOR TENDER | 15/10/22 |
| A | ISSUED FOR 99% REVIEW | 15/10/20 |

BISHOP'S FALLS FISHWAY UPGRADES

OPTIONAL MOORING SYSTEM SKETCH No. 2

| | | |
|-----------------------|---------------------------------|---------------|
| designed | L. BENNETT | conçu |
| date | AUG, 2015 | |
| drawn | P. STAGG | dessiné |
| date | AUG, 2015 | |
| approved | | approuvé |
| date | | |
| Tender | Gary MacGillivray Oct 23, 2015 | Submission |
| PWGSC Project Manager | Administrateur de projets TPSCG | |
| project number | R.075582.004 | no. du projet |
| drawing no. | SK2 OF 2 | no. du dessin |