



SPECIFICATIONS

1. ALL WELDING TO BE AS NOTED OR OTHERWISE FULL STRENGTH 6mm FILLET OR BUTT WELDS TO CSA W59-18.
2. STEEL FABRICATION TO CISC HANDBOOK OF STEEL CONSTRUCTION 11TH ED.
3. HSS AND W SECTIONS to CSA G40.21 350W or ASTM A572 GRADE 50. PLATE & C SECTIONS to CSA G40.21 300W or ASTM A572 GRADE 44.
4. JOINTS AND CONNECTIONS SHALL BE BY WELDING UNLESS INDICATED OTHERWISE.

STEEL SHEET PILING (SSP) & CELL CONSTRUCTION

1. CONTRACTOR SHALL PROVIDE ALL EQUIPMENT GUIDES AND MATERIALS TO INSTALL THE PILES AND CELLS AS INDICATED.
2. PRIOR TO ORDERING PILES DRIVE TEST PILES OR BARS TO AT LEAST THE PILE DEPTHS INDICATED OR TO BEDROCK AT THE EAST AND WEST ENDS OF EACH CELL TO CONFIRM PILE LENGTHS REQUIRED. CONFIRM TEST PILE LENGTHS WITH THE ENGINEER PRIOR TO ORDERING.
3. CLEAR THE LAKEBED OF OBSTRUCTIONS & BOULDERS THAT MAY INTERFERE WITH INSTALLATION
4. PILES ARE TO BE DRIVEN TO REFUSAL ON BEDROCK OR TO DEPTHS INDICATED.
5. PILES ARE TO BE POSITIONED WITHIN 25mm OF THE LOCATIONS INDICATED AND LINKED TOGETHER IN FULL CELLS PRIOR TO FINAL DRIVING. CONTRACTOR SHALL PERFORM ANY ADDITIONAL WORK REQUIRED TO ADJUST CONSTRUCTION AND BRIDGE COMPONENTS TO FIT AS A RESULT OF PILES INSTALLED OUT OF POSITION AT NO ADDITIONAL COST TO THE OWNER.
6. PILES ARE TO BE CUT OFF TO ELEVATIONS INDICATED. PILES AT ENDS OF CELLS SHALL BE DRIVEN FULL SUPPLIED LENGTH.
7. CUT 36mmØ HOLES IN PILES FOR TIE RODS & WALE BOLTS.
8. INSTALL PILE CAPS, PLATES, WALES AND TIE RODS, SUPPORT TIE RODS PRIOR TO BACKFILLING
9. BACKFILL WITH APPROVED STORED GRANULAR AND IMPORTED GRANULAR MATERIAL, IF REQUIRED, EVENLY ACROSS THE CELLS
10. INSTALL STORED & RECLAIMED RIP RAP & ARMOUR STONE ALONG SSP AS INDICATED.
11. INSTALL CONDUIT SLEEVES
12. INSTALL GRANULAR FILL TO UNDER SLAB LEVEL AND COMPACT TO 150kPa BEARING CAPACITY
13. INSTALL REBAR AND PLACE PROTECT AND CURE CONCRETE.

PIER SECTION

| COMPONENT | | | | | | |
|-----------|------------------|--|--------------------|--------------------|----------|--|
| Part | Item | Description | Mat'l | Size | Quantity | Notes |
| SSP-1 | STEEL SHEET PILE | ROLL FORM S80 or EQ S=528cm ³ /m, T=8.0mm | 350W/GR 50 | 2.5, 4.2 & 5.5m | | W/Roll Form S Pile Cap |
| W-1 | Side SSP WALES | 2-C130x13 (C5x9) | 300W | 8460x2 | 50.76m | |
| W-2 | End SSP WALES | 2-C130x13 (C5x9) | 300W | 3525x2 | 21.15m | |
| TR-1 | TIE ROD | 32mmØ Threaded Tie Rod | ASTM A615 GRADE 75 | 32Ø x 3750 | 10 | W/Nut & 100x120x12.7 Plate outside |
| TR-2 | TIE ROD | 32mmØ Threaded Tie Rod | " | 32Ø x 8650 | 4 | W/Nut & 100x120x12.7 Plate outside |
| WB-1 | WALE BOLT | Bolt W/Plate Nut & 2 Washers | A307 | 32Ø x 200 (1¼"x8") | 62 | W/100x120x12.7 Plate inside & Round washer outside |
| | CONCRETE | DECK CONCRETE | CSA C-2 | | | |

UNITS: All dimensions are in mm unless noted otherwise.



SECTION DESIGNATION SHEET # WHERE SECTION IS SHOWN



SECTION DESIGNATION SHEET # WHERE SECTION IS FROM

| | | | |
|------|-------------------------------------|-----------|----|
| 5 | ARMOUR STONE & RIP RAP - FOR TENDER | 17 AUG 21 | CE |
| 4 | FOR TENDER | 08 JUN 21 | CE |
| 3 | FOR TENDER | 14 MAY 21 | CE |
| REV. | DESCRIPTION | DATE | BY |

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BEAUSOLEIL ISLAND TOBEY DOCK RECONSTRUCTION
PIER PLAN & SECTION

| | | | | |
|--------------|-------------|-------------|-------|----------|
| Contract | SCALE - UNO | Drawing No. | SHEET | REVISION |
| PARKS CANADA | 1:125 | 3330-2 | 2.0 | |