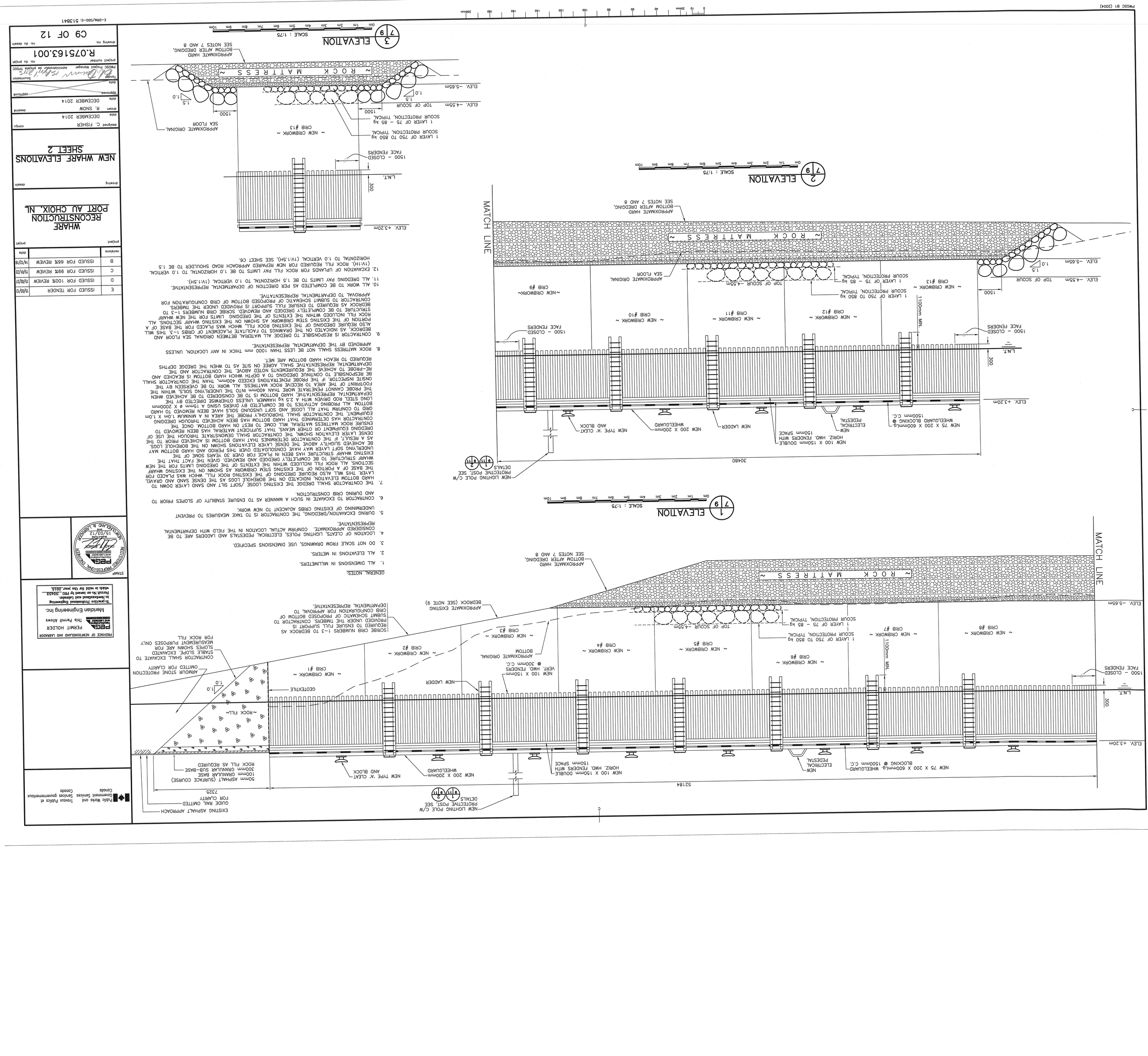
PWGSC BI (2004)



GENERAL NOTES.

1. ALL DIMENSIONS IN MILLIMETERS.
2. ALL ELEVATIONS IN METERS.
3. DO NOT SCALE FROM DRAWINGS, USE DIMENSIONS SPECIFIED.
4. LOCATION OF CLEATS, LIGHTING POLES, ELECTRICAL PEDESTALS AND LADDERS ARE TO BE CONSIDERED APPROXIMATE. CONFIRM ACTUAL LOCATION IN THE FIELD WITH DEPARTMENTAL REPRESENTATIVE.
5. DURING EXCAVATION/DREDGING, THE CONTRACTOR IS TO TAKE MEASURES TO PREVENT UNDERMINING OF EXISTING CRIBS ADJACENT TO NEW WORK.
6. CONTRACTOR TO EXCAVATE IN SUCH A MANNER AS TO ENSURE STABILITY OF SLOPES PRIOR TO AND DURING CRIB CONSTRUCTION.
7. THE CONTRACTOR SHALL DREDGE THE EXISTING LOOSE /SOFT SILT AND SAND LAYER DOWN TO HARD BOTTOM ELEVATION, INDICATED ON THE BOREHOLE LOGS AS THE DENSE SAND AND GRAVEL LAYER. THIS WILL ALSO REQUIRE DREDGING OF THE EXISTING ROCK FILL, WHICH WAS PLACED FOR THE BASE OF A PORTION OF THE EXISTING STEM CRIBWORK AS SHOWN ON THE EXISTING WHARF SECTIONS. ALL ROCK FILL INCLUDED WITHIN THE EXTENTS OF THE DREDGING LIMITS FOR THE NEW EXISTING WHARF STRUCTURE HAS BEEN IN PLACE FOR OVER 30 YEARS SOME OF THE WHARF STRUCTURE TO BE COMPLETELY DREDGED AND REMOVED. GIVEN THE FACT THAT THE UNDERLYING SOFT LAYER MAY HAVE CONSOLIDATED OVER THIS PERIOD AND HARD BOTTOM MAY BE ACHIEVED SLIGHTLY ABOVE THE DENSE LAYER ELEVATIONS SHOWN ON THE BOREHOLE LOGS. AS A RESULT, IF THE CONTRACTOR DETERMINES THAT HARD BOTTOM IS ACHIEVED PRIOR TO THE DENSE LAYER ELEVATION SHOWN, THE CONTRACTOR SHALL DEMONSTRATE THROUGH THE USE OF DREDGING EQUIPMENT OR OTHER MEANS, THAT SUFFICIENT MATERIAL HAS BEEN REMOVED TO ENSURE ROCK MATTRESS MATERIAL WILL COME TO REST ON HARD BOTTOM, ONCE THE CONTRACTOR HAS DETERMINED THAT HARD BOTTOM HAS BEEN ACHIEVED THROUGH DREDGING EQUIPMENT. THE CONTRACTOR SHALL THOROUGHLY PROBE THE AREA IN A MINIMUM 1.0m X 1.0m GRID TO CONFIRM THAT ALL LOOSE AND SOFT UNSOUND SOILS HAVE BEEN REMOVED TO HARD BOTTOM. ALL PROBING ACTIVITIES TO BE COMPLETED BY DIVERS USING A 15mm ø X 2000mm LONG STEEL ROD DRIVEN WITH A 2.5 kg HAMMER, UNLESS OTHERWISE DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE, HARD BOTTOM IS TO BE CONSIDERED TO BE ACHIEVED WHEN THE PROBE CANNOT PENETRATE MORE THAN 40mm INTO THE UNDERLYING SOILS, WITHIN THE FOOTPRINT OF THE AREA TO RECEIVE ROCK MATTRESS. ALL WORK TO BE OVERSEEN BY THE ONSITE INSPECTOR. IF THE PROBE PENETRATIONS EXCEED 40mm, THAN THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTINUE DREDGING TO A DEPTH WHICH HARD BOTTOM IS REACHED AND RE-PROBE TO ACHIEVE THE REQUIREMENTS NOTED ABOVE. THE CONTRACTOR AND THE DEPARTMENTAL REPRESENTATIVE SHALL AGREE ON SITE AS TO WHEN THE DREDGE DEPTHS REQUIRED TO REACH HARD BOTTOM ARE MET.
8. ROCK MATTRESS SHALL NOT BE LESS THAN 1000 mm THICK IN ANY LOCATION, UNLESS APPROVED BY THE DEPARTMENTAL REPRESENTATIVE.
9. CONTRACTOR IS RESPONSIBLE TO DREDGE ALL MATERIAL BETWEEN ORIGINAL SEA FLOOR AND BEDROCK, AS INDICATED ON THE DRAWINGS TO FACILITATE PLACEMENT OF CRIBS 1–3. THIS WILL ALSO REQUIRE DREDGING OF THE EXISTING ROCK FILL, WHICH WAS PLACED FOR THE BASE OF A PORTION OF THE EXISTING STEM CRIBWORK AS SHOWN ON THE EXISTING WHARF SECTIONS. ALL ROCK FILL INCLUDED WITHIN THE EXTENTS OF THE DREDGING LIMITS FOR THE NEW WHARF STRUCTURE TO ENSURE FULL SUPPORT IS PROVIDED UNDER THE TIMBERS. BEDROCK AS REQUIRED TO ENSURE FULL SUPPORT IS PROVIDED UNDER THE TIMBERS. CONTRACTOR TO SUBMIT SCHEMATIC OF PROPOSED BOTTOM OF CRIB CONFIGURATION FOR APPROVAL TO DEPARTMENTAL REPRESENTATIVE.
10. ALL WORK TO BE COMPLETED AS PER DIRECTION OF DEPARTMENTAL REPRESENTATIVE.
11. ALL DREDGING PAY LIMITS TO BE 1.5 HORIZONTAL TO 1.0 VERTICAL (1V:1.5H).
12. EXCAVATION OF UPLANDS FOR ROCK FILL PAY LIMITS TO BE 1.0 HORIZONTAL TO 1.0 VERTICAL (1V:1H). ROCK FILL REQUIRED FOR NEW REPAIRED APPROACH ROAD SHOULDER TO BE 1.5 HORIZONTAL TO 1.0 VERTICAL (1V:1.5H), SEE SHEET C6.

revisions		date
E	ISSUED FOR TENDER	15/03/12
D	ISSUED FOR 100% REVIEW	15/02/27
C	ISSUED FOR 99% REVIEW	15/01/22
B	ISSUED FOR 66% REVIEW	14/12/19

project

WHARF RECONSTRUCTION
PORT AU CHOIX, NL

drawing — design

NEW WHARF ELEVATIONS
SHEET 2

designed C. FISHER — comp'd
drawn R. SNOW — design'd
date DECEMBER 2014
approved — approved — date
Transmission — Soumission — date

PWGSC Project Manager — Administrateur de projets TPSGC
project number — R.075163.001
drawing no. — no. du dessin
C9 OF 12
E-DRW/GDD-E: 51341

PROVINCE OF NEWFOUNDLAND AND LABRADOR
PERMIT HOLDER
This Permit Allows
Meridian Engineering Inc.
To practice Professional Engineering
in Newfoundland and Labrador.
This Permit No as issued by PEO _____
which is valid for the year 2013.

STAMP
REGISTERED PROFESSIONAL ENGINEER
CHAD J. ROGER
15/03/12
NEWFOUNDLAND & LABRADOR

Public Works and Government Services Canada / Travaux Publics et Services gouvernementaux Canada