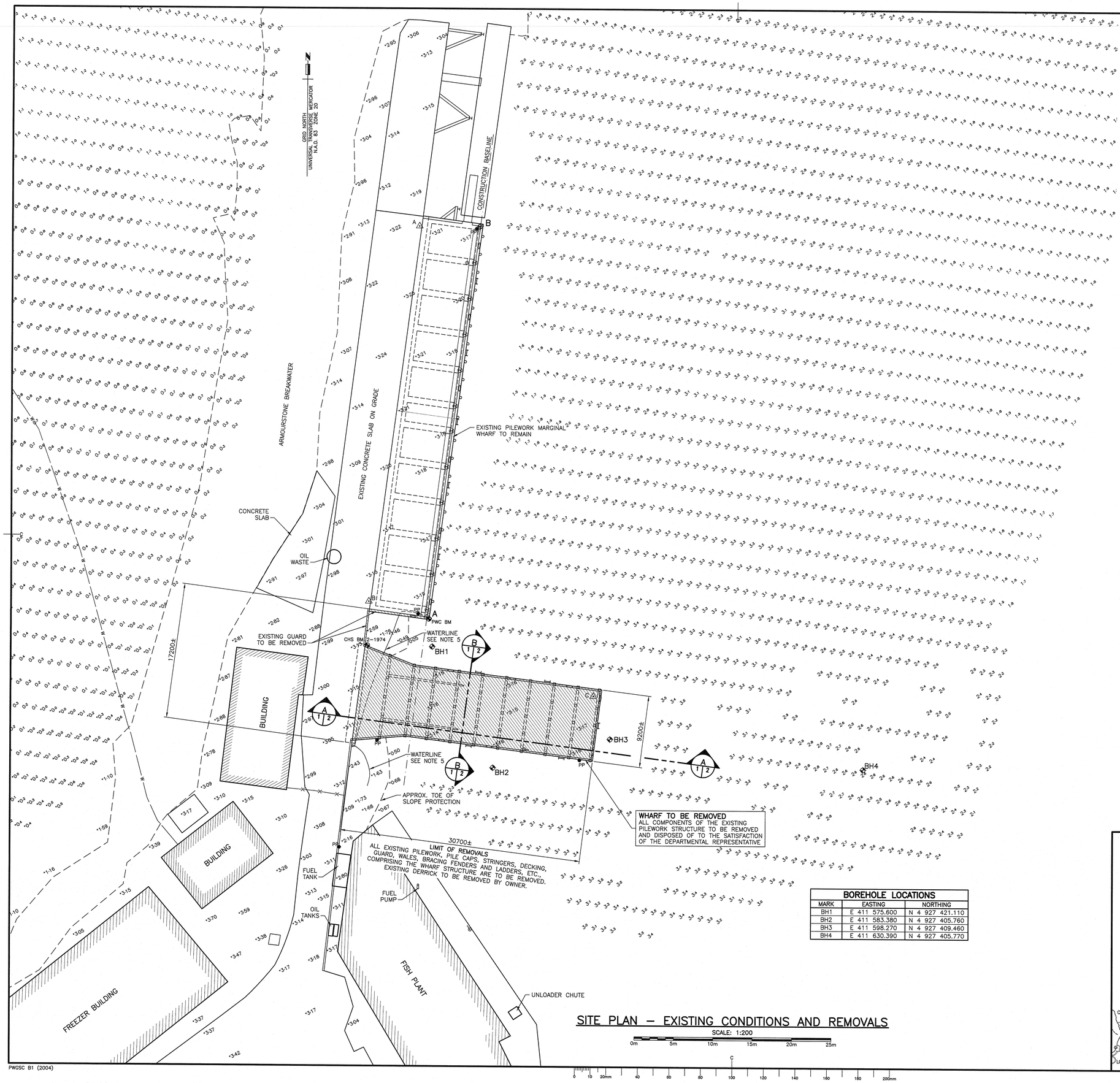


SITE PLAN – EXISTING CONDITIONS AND REMOVALS

SCALE: 1:200

0m 5m 10m 15m 20m 25m

BOREHOLE LOCATIONS		
MARK	EASTING	NORTHING
BH1	E 411 575.600	N 4 927 421.110
BH2	E 411 583.380	N 4 927 405.760
BH3	E 411 598.270	N 4 927 409.460
BH4	E 411 630.390	N 4 927 405.770

SURVEY NOTES

SURVEY PARTY CHIEF: DARRYL GREEN
SURVEY VESSEL: SCOTIA SURVEYOR
SURVEY DATE(S): JANUARY 21, 22 & 23, 2015

SOUNDER TYPE: ROSS SWEEP SYSTEM
SOUNDER SETTING: INST SOUND VELOCITY: 1460 m/s
DEPTH GATE USED: N/A TRANSDUCER FREQ.: 190 & 210 kHz
POSITIONING SYSTEM USED: TRIMBLE 5700 RTK
LAND SURVEY POSITION BY: TRIMBLE 5700 RTK
RAW DATA FILE(S): BLF022x.zip
CAD DRAWING FILE(S): BLF022o.dwg

TIDAL REDUCTION SCHEME:
PWGSC PT. A, CD ELEV +3.21m, REFERENCED TO CHS BM, 2–1974, CD ELEV. 2.763m. RTK TIDES CONFIRMED USING PWC BM, CD ELEV 3.467m, TOP OF CONCRETE CURB, ALSO REFERENCED TO CHS BM 2–1974, CD ELEV: 2.763m.

OFFICE PROCESSOR: BAYNE HORTON
DATE OF PROCESSING: JANUARY 26, 28 & 29, 2015

MODE OF PLOTTING: AVERAGE DEPTHS
MATRIX CELL WIDTH X LENGTH: 1.2m x 3.0m

CONTROL POINTS: U.T.M. N.A.D.83 ZONE 20 (CSRS)

PT.NAME	EASTING	NORTHING	CD ELEV	DESCRIPTION
A	411573.72	4927474.64	+3.21m	NAIL IN ASPHALT
B	411567.48	4927426.84	+3.14m	NAIL IN ASPHALT
C	411596.14	4927414.91	+3.19m	NAIL IN WOOD WHARF
215802	410445.070	4929193.614	+8.27m	LRIS LOCATED IN CONCRETE PILLAR
2–1974	411567.33	4927421.26	+2.763m	CHS PLUG IN CONCRETE ABUTMENT
PWC BM	411575	4927424	+3.467m	PAINT MARK TOP OF CONCRETE CURB

CONTROL NOTES: HORIZONTAL CONTROL AT SITE HAS BEEN SET USING GPS OBSERVATIONS FROM LRIS 215802 PUBLISHED VALUES. VERTICAL CONTROL HAS BEEN LEVELLED FROM CHS 2–1974 USING PUBLISHED VALUES. LRIS 215802 CD ELEV HAS BEEN SET USING GPS. TBM HORIZONTAL VALUES SHOULD ONLY BE USED TO LOCATE BENCHMARK AND NOT FOR HORIZONTAL POSITIONING. ALL INFORMATION ON PLAN IS CURRENT AS OF JANUARY 23, 2015.

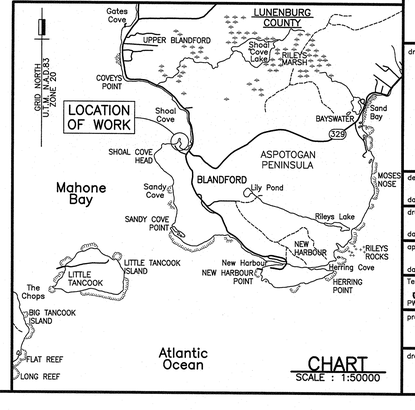
GENERAL NOTES

1. THE WORK UNDER THIS CONTRACT CONSISTS OF, BUT IS NOT LIMITED TO, THE FOLLOWING:
   1.a. REMOVAL AND DISPOSAL OF EXISTING WHARF, INCLUDING EXCAVATION AND STABILIZATION OF ARMOURSTONE SLOPE AS NECESSARY FOR CONSTRUCTION OF NEW STRUCTURES.
   1.b. CONSTRUCTION OF NEW PILEWORK MARGINAL WHARF AND NEW PILEWORK FINGER WHARF.
   1.c. CONSTRUCTION AND INSTALLATION OF NEW FLOATING DOCKS, INCLUDING GANGWAY, GUIDE PILES, CONNECTION COMPONENTS AND ALL MISCELLANEOUS HARDWARE.
2. ELEVATIONS REFER TO CHS BENCHMARK 2–1974, LOCATED AT TOP OF CONCRETE ABUTMENT AT NORTH WEST END OF EXISTING DETERIORATED PILEWORK FINGER WHARF WHERE INDICATED ON SITE PLAN, WITH AN ELEVATION OF 2.763 METRES ABOVE CHART DATUM. AS THIS BENCHMARK MAY BECOME COMPROMISED DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR IS TO ESTABLISH A PERMANENT BENCHMARK ON SITE TO THE SATISFACTION OF THE DEPARTMENTAL REPRESENATATIVE.
3. CHART DATUM IS, BY INTERNATIONAL AGREEMENT, A PLANE BELOW WHICH THE TIDE WILL SELDOM FALL. THE CANADIAN HYDROGRAPHIC SERVICE HAS ADOPTED THE PLANE OF LOWEST NORMAL TIDE (L.N.T.) AS CHART DATUM. AS THE RISE, FALL AND RANGE OF TIDES VARIES DAILY, THE CANADIAN TIDE AND CURRENT TABLES, AS ISSUED BY THE CANADIAN HYDROGRAPHIC SERVICE, SHOULD BE CONSULTED FOR TIDAL PREDICTIONS AND OTHER TIDAL INFORMATION RELATING TO WORK.
4. THE CONTRACTOR SHALL BE HELD TO HAVE VISITED THE SITE AND TO HAVE BECOME FAMILIAR WITH THE EXISTING CONDITIONS PRIOR TO COMMENCING WORK. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM THE DEPARTMENTAL REPRESENTATIVE IN WRITING OF ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE PLAN BEFORE STARTING WORK.
5. WATER INTAKE LINES IN CONSTRUCTION AREA TO BE PROTECTED DURING CONSTRUCTION.
6. **CONSTRUCTION CONTROL COORDINATES**
   THE CONTRACTOR IS TO ESTABLISH A CONSTRUCTION BASELINE AT INNER FACE OF EXISTING MARGINAL WHARF GUARD, AS INDICATED ON PLAN, AND MAINTAIN THROUGHOUT THE ENTIRE PERIOD OF CONSTRUCTION. THESE POINTS WILL BE USED TO LOCATE NEW STRUCTURES.

MARK	EASTING	NORTHING
A	E 411 574.913	N 4 927 424.884
B	E 411 581.467	N 4 927 474.654

LEGEND

- BM — BENCHMARK
- PP — UTILITY POLE
- LUMINAIRE
- MOORING CLEAT
- LADDER
- DERRICK
- BH2 — BOREHOLE LOCATION
- A–B — CONSTRUCTION BASELINE AND CONTROL POINTS
- AREA OF REMOVALS
- *0.40 — ELEVATIONS (METRES ABOVE CHART DATUM)
- 0.8 — SOUNDINGS (METRES BELOW CHART DATUM)



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

revisions		date
0	ISSUED FOR TENDER	JUN 1 2015

project / projet

HARBOUR IMPROVEMENTS BLANDFORD HALIFAX COUNTY NOVA SCOTIA

drawing / dessin

SITE PLAN EXISTING CONDITIONS AND REMOVALS

designed / conçu: K. MCCARTHY/J.MACGILLIVRAY
date: MAY 2015
drawn / dessiné: S.GRACE
date: MAY 2015
approved / approuvé: 15/06/01
date
Tender / Soumission
PWGSC Project Manager / Administrateur de projets TPSGC: 2015-6-1
project number / no. du projet: R.075316.001
drawing no. / no. du dessin: Sht.1

PWGSC B1 (2004)

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