

SURVEY NOTES

SURVEY PARTY CHIEF DARRYL GREEN
 SURVEY VESSEL SCOTIA SURVEYOR
 SURVEY DATE(S) MAY 13 & 22, 2015
 SOUNDER TYPE: ROSS SWEEP SURVEY VEL. OF SOUND 1454m/s
 SOUNDER SETTING N/A FRE. OF TRANS. 190 & 210 kHz
 DEPTH GATE USED N/A
 POSITIONING SYSTEM USED TRIMBLE 5700 RTK
 LAND SURVEY POSITION BY TRIMBLE 5700 RTK
 RAW DATA FILE(S): JDB142X.ZIP
 CAD DRAWING FILE(S): JDB142A.DWG
 TIDAL REDUCTION SCHEME:
 PT. SM#2, ELEV. 2.50m REF TO NS MONUMENT 213721, ELEVATION 21.459m, REF TO CHS BM 170-MGSC, PORT HOOD, ELEV.+26.60m ABOVE CHART DATUM, CHART DATUM
 GSC DIFFERENCE OF 0.4m APPLIED ON LISTED GSC ELEV. OF MON 213721

OFFICE PROCESSOR T. THOMPSON
 DATE OF PROCESSING JUNE 1, 2 & 5, 2015

MODE OF PLOTTING AVERAGE DEPTHS
 MATRIX CELL WIDTH x LENGTH 1.2m x 3.0m
 CONTROL POINTS: UTM NAD83 ZONE 20 (ORIGINAL)

PT NAME	EASTING	NORTHING	CD ELEV	DESCRIPTION
213721	617172.797	5079010.690	21.459m	PWC CONTROL
NAIL	616203.56	5079404.77	2.55m	PWC CONTROL
SM1	616225.84	5079363.21	2.54m	PWC CONTROL
SM2	616206.71	5079318.53	2.50m	PWC CONTROL
A	616221.47	5079391.78	2.54m	PWC CONTROL
TBM1	616220.62	5079367.46	2.84m	PWC CONTROL (T.O. CONC. CURB)
TBM2	616186.75	5079402.56	2.48m	PWC CONTROL (T.O. DECK)

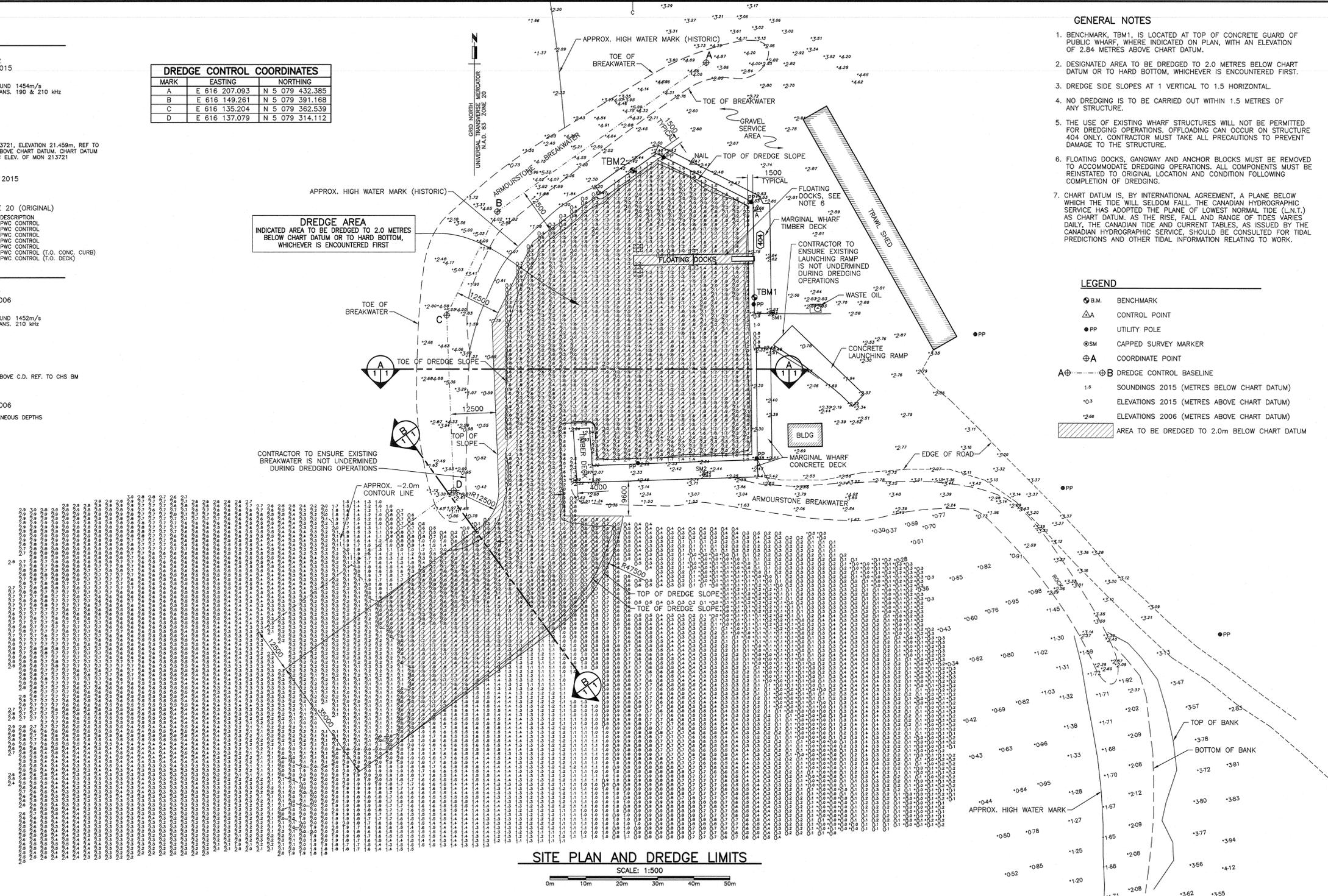
SURVEY NOTES (2006)

SURVEY PARTY CHIEF DAVE MATTHEWS
 SURVEY VESSEL SCOTIA SURVEYOR
 SURVEY DATE(S) DECEMBER 11, 2006
 SOUNDER TYPE: SWEEP SURVEY VEL. OF SOUND 1452m/s
 SOUNDER SETTING N/A FRE. OF TRANS. 210 kHz
 DEPTH GATE USED 1.1
 POSITIONING SYSTEM USED TRIMBLE 5700 RTK
 LAND SURVEY POSITION BY TRIMBLE 5700 RTK
 RAW DATA FILE(S): BAXTERS (HYPACK)
 CAD DRAWING FILE(S): JDB146A.DWG
 TIDAL REDUCTION SCHEME:
 PWC BM, TOP OF CONCRETE DECK, ELEV. 2.40m ABOVE C.D. REF. TO CHS BM 170-MGSC, PORT HOOD 26.60m ABOVE C.D.

OFFICE PROCESSOR MICHEL GOUEEN
 DATE OF PROCESSING DECEMBER 22, 2006
 MODE OF PLOTTING AVERAGE OF INSTANTANEOUS DEPTHS
 MATRIX CELL WIDTH x LENGTH 1.2m x 3.0m

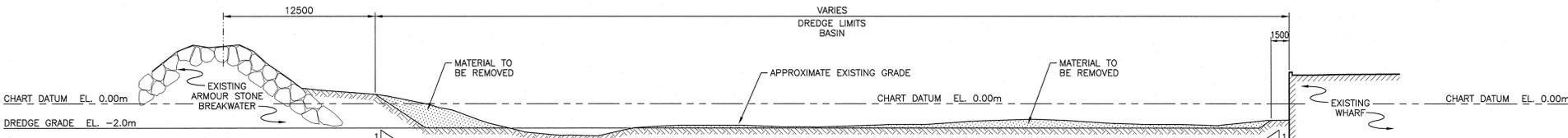
MARK	EASTING	NORTHING
A	E 616 207.093	N 5 079 432.385
B	E 616 149.261	N 5 079 391.168
C	E 616 135.204	N 5 079 362.539
D	E 616 137.079	N 5 079 314.112

DREDGE AREA
 INDICATED AREA TO BE DREDGED TO 2.0 METRES
 BELOW CHART DATUM OR TO HARD BOTTOM,
 WHICHEVER IS ENCOUNTERED FIRST



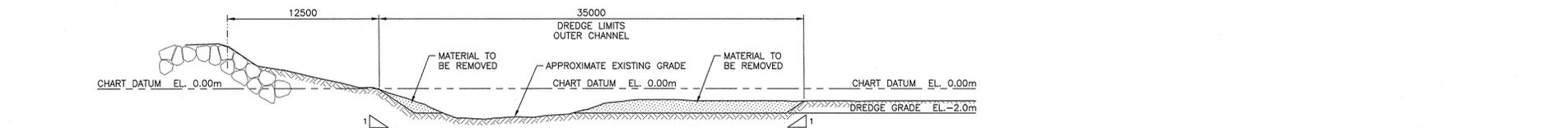
SITE PLAN AND DREDGE LIMITS

SCALE: 1:500
 0m 10m 20m 30m 40m 50m



TYPICAL BASIN DREDGING SECTION

SCALE: 1:200
 0m 5m 10m 15m 20m 25m



TYPICAL OUTER CHANNEL SECTION

SCALE: 1:200
 0m 5m 10m 15m 20m 25m

GENERAL NOTES

- BENCHMARK, TBM1, IS LOCATED AT TOP OF CONCRETE GUARD OF PUBLIC WHARF, WHERE INDICATED ON PLAN, WITH AN ELEVATION OF 2.84 METRES ABOVE CHART DATUM.
- DESIGNATED AREA TO BE DREDGED TO 2.0 METRES BELOW CHART DATUM OR TO HARD BOTTOM, WHICHEVER IS ENCOUNTERED FIRST.
- DREDGE SIDE SLOPES AT 1 VERTICAL TO 1.5 HORIZONTAL.
- NO DREDGING IS TO BE CARRIED OUT WITHIN 1.5 METRES OF ANY STRUCTURE.
- THE USE OF EXISTING WHARF STRUCTURES WILL NOT BE PERMITTED FOR DREDGING OPERATIONS. OFFLOADING CAN OCCUR ON STRUCTURE 404 ONLY. CONTRACTOR MUST TAKE ALL PRECAUTIONS TO PREVENT DAMAGE TO THE STRUCTURE.
- FLOATING DOCKS, GANGWAY AND ANCHOR BLOCKS MUST BE REMOVED TO ACCOMMODATE DREDGING OPERATIONS. ALL COMPONENTS MUST BE REINSTATED TO ORIGINAL LOCATION AND CONDITION FOLLOWING COMPLETION OF DREDGING.
- 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.

LEGEND

- B.M. BENCHMARK
- △ CONTROL POINT
- PP UTILITY POLE
- ⊙ SM CAPPED SURVEY MARKER
- ⊕ COORDINATE POINT
- A ⊕ — ⊕ B DREDGE CONTROL BASELINE
- 1.5 SOUNDINGS 2015 (METRES BELOW CHART DATUM)
- +0.3 ELEVATIONS 2015 (METRES ABOVE CHART DATUM)
- +2.66 ELEVATIONS 2006 (METRES ABOVE CHART DATUM)
- ▨ AREA TO BE DREDGED TO 2.0m BELOW CHART DATUM

0	ISSUED FOR TENDER	JUL 14 2015
revisions		date

project
CHANNEL AND BASIN REDREDGING (BAXTERS COVE) INVERNESS COUNTY NOVA SCOTIA

drawing
PLAN AND SECTIONS OF DREDGE AREA

designed R.GALANTE conq
 date JULY 2015
 drawn S.GRACE desin
 date JULY 2015
 approved [Signature] approuv
 date [Signature] date
 Tender [Signature] Submission
 PWGSC - Project Manager / Administrateur de projets TPSGC
 project number no. du projet
R.076167.001
 drawing no. no. du dessin

