

SURVEY NOTES

SURVEY PARTY CHIEF DARRYL GREEN
 SURVEY VESSEL SCOTIA SURVEYOR
 SURVEY DATE(S) MAY 13 & 22, 2015

SAUNDER TYPE: ROSS SWEEP SURVEY
 SAUNDER SETTING: N/A VEL. OF SOUND 1454m/s
 DEPTH GATE USED: N/A FRE. OF TRANS. 190 & 210 kHz

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	616225.64	5079363.21	2.54m PWC CONTROL
SM2	616206.71	5079318.53	2.50m PWC CONTROL
A	616221.47	5079391.78	2.64m PWC CONTROL (T.O. CONC. CURB)
TBM1	616220.62	5079367.46	2.64m PWC CONTROL (T.O. DECK)
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

SAUNDER TYPE: SWEEP SURVEY
 SAUNDER SETTING: N/A VEL. OF SOUND 1452m/s
 DEPTH GATE USED: 1.1 FRE. OF TRANS. 210 kHz

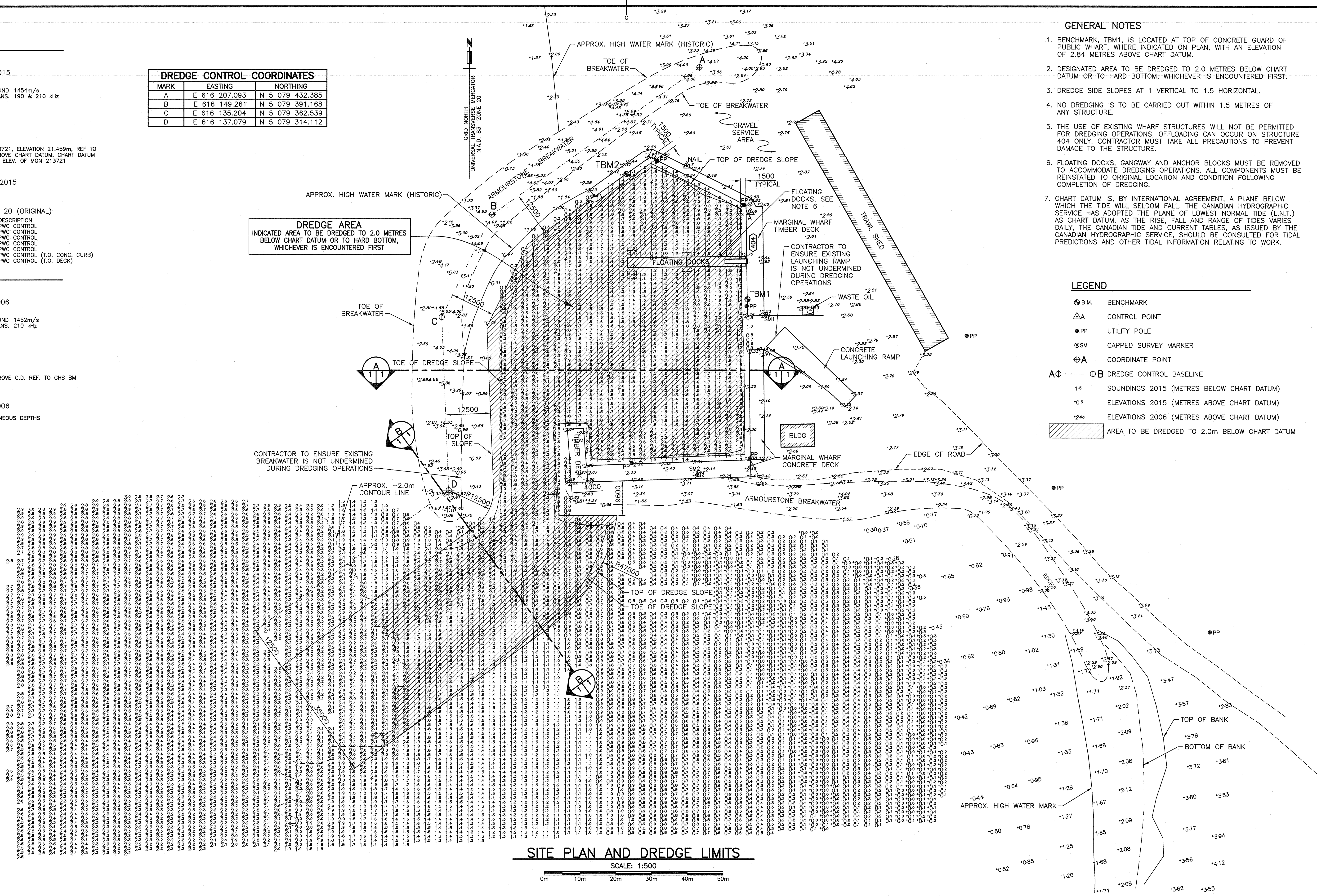
POSITIONING SYSTEM USED: TRIMBLE 5700 RTK
 LAND SURVEY POSITION BY: TRIMBLE 5700 RTK
 RAW DATA FILE(S): BAXTERS (HYPACK)
 CAD DRAWING FILE(S): JDB146A.DWG

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 GOGUEN
 DATE OF PROCESSING DECEMBER 22, 2006

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

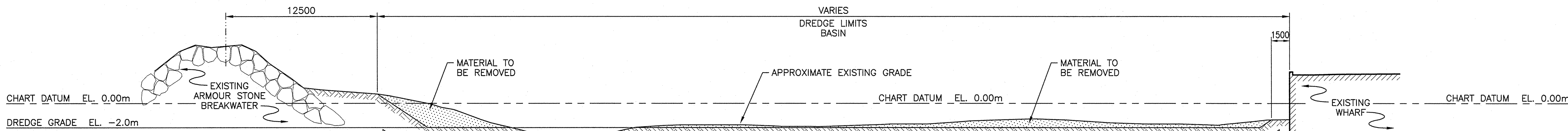
DREDGE CONTROL COORDINATES			
MARK	EASTING	NORTHING	
A	E 616 207.093	N 5 079 432.385	
B	E 616 149.261	N 5 079 391.168	
C	E 616 135.204	N 5 079 362.539	
D	E 616 137.079	N 5 079 314.112	



SITE PLAN AND DREDGE LIMITS

SCALE: 1:500

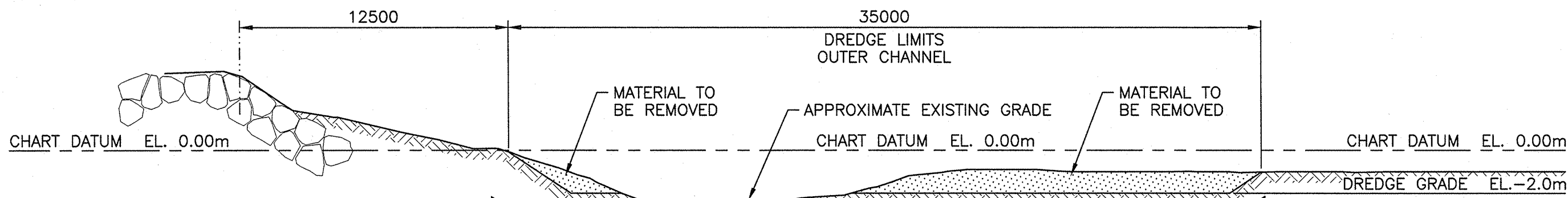
0m 10m 20m 30m 40m 50m



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)
- +2.46 ELEVATIONS 2006 (METRES ABOVE CHART DATUM)
- AREA TO BE DREDGED TO 2.0m BELOW CHART DATUM

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

0	ISSUED FOR TENDER	JUL 14 2015
revisions		date

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

drawing dessin

PLAN AND SECTIONS OF DREDGE AREA

designed R.GALANTE conçu
 date JULY 2015
 drawn S.GRACE dessiné
 date JULY 2015
 approved [Signature] approuvé
 date [Signature]
 TENDER [Signature] Submission
 PWOSC Project Manager Administrateur de projets TPSOC
 project number R.076167.001
 drawing no. no. du dessin

Sht.1