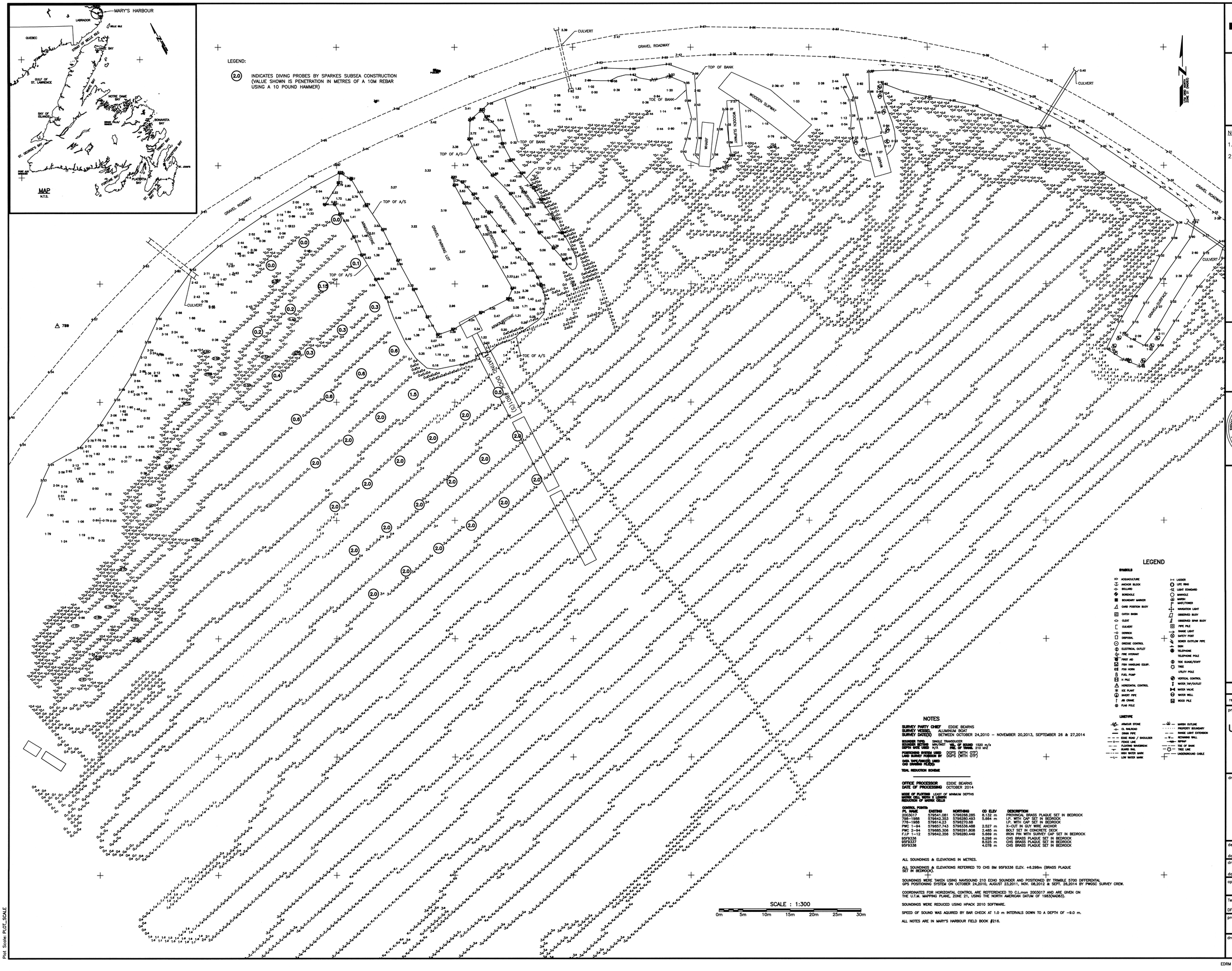
LEGEND:

(2.0) INDICATES DIVING PROBES BY SPARKES SUBSEA CONSTRUCTION (VALUE SHOWN IS PENETRATION IN METRES OF A 10M REBAR USING A 10 POUND HAMMER)



SCALE : 1:300

0m 5m 10m 15m 20m 25m 30m

NOTES

SURVEY PARTY CHIEF: EDDIE BEARNS
SURVEY VESSEL: ALUMINUM BOAT
SURVEY DATE(S): BETWEEN OCTOBER 24,2010 – NOVEMBER 20,2013, SEPTEMBER 26 & 27,2014

SOUNDER TYPE: SINGLE TRANSDUCER
SOUNDER SETTING: MIN/MAX VEL. OF SOUND 1520 m/s
DEPTH GATE USED: N/A MAX. OF RANGE 210 m/s

POSITIONING SYSTEM USED: DGPS (WITH GIS)
LAND SURVEY PERFORM BY: DGPS (WITH GIS)

DATA TAPE/DISC(S) USED: N/A
CHD DRAWING NUMBER:

TIDAL REDUCTION SCHEME:

OFFICE PROCESSOR: EDDIE BEARNS
DATE OF PROCESSING: OCTOBER 2014

MODE OF PLOTTING: LEAST OF MINIMUM DEPTHS
SOUNDING GRID, WIDTH & LENGTH:
REDUCTION OF SOUNDING CELLS:

CONTROL POINTS:

POINT	EASTING	NORTHING	CD ELEV	DESCRIPTION
700-2017	579641.081	5798268.295	8.132 m	PROVINCIAL BRASS PLAQUE SET IN BEDROCK
700-1988	579642.353	5798280.463	5.864 m	I.P. WITH CAP SET IN BEDROCK
776-1988	579614.23	5798270.68		I.P. WITH CAP SET IN BEDROCK
PWC 1-94	579857.743	5798336.486	2.527 m	X-CUT IN GUY WIRE ANCHOR
PWC 2-94	579880.308	5798291.808	2.485 m	BOLT SET IN CONCRETE DECK
F.I.P. 1-12	579642.358	5798280.449	5.869 m	IRON PIN WITH SURVEY CAP SET IN BEDROCK
95F9334			6.298 m	CHS BRASS PLAQUE SET IN BEDROCK
95F9337			8.235 m	CHS BRASS PLAQUE SET IN BEDROCK
95F9336			4.078 m	CHS BRASS PLAQUE SET IN BEDROCK

ALL SOUNDINGS & ELEVATIONS IN METRES.

ALL SOUNDINGS & ELEVATIONS REFERRED TO CHS BM 95F9336 ELEV. +6.298m (BRASS PLAQUE SET IN BEDROCK).

SOUNDINGS WERE TAKEN USING NAVISOUND 210 ECHO SOUNDER AND POSITIONED BY TRIMBLE 5700 DIFFERENTIAL GPS POSITIONING SYSTEM ON OCTOBER 24,2010, AUGUST 23,2011, NOV. 08,2012 & SEPT. 26,2014 BY PWGSC SURVEY CREW.

COORDINATES FOR HORIZONTAL CONTROL ARE REFERENCED TO C.L.mon 2003017 AND ARE GIVEN ON THE U.T.M. MAPPING PLANE, ZONE 21, USING THE NORTH AMERICAN DATUM OF 1983(NAD83).

SOUNDINGS WERE REDUCED USING HPACK 2010 SOFTWARE.

SPEED OF SOUND WAS AQUIRED BY BAR CHECK AT 1.0 m INTERVALS DOWN TO A DEPTH OF –9.0 m.

ALL NOTES ARE IN MARY'S HARBOUR FIELD BOOK #216.

LEGEND

SYMBOLS

AQUACULTURE
ANCHOR BLOCK
BOLLARD
BOREHOLE
BOUNDARY MARKER
CARD POSITION BUOY
CATCH BASIN
CLEAT
CULVERT
DERRICK
DISPOSAL
DREDGE CONTROL
ELECTRICAL OUTLET
FIRE HYDRANT
FIRST AID
FISH HANDLING EQUIP.
FOG HORN
FUEL PUMP
H. PAD
HORIZONTAL CONTROL
ICE PLANT
INVERT PIPE
JIB CRANE
FLAG POLE
LADDER
LIFE RING
LIGHT STANDARD
MANHOLE
MARSH
MAST/TOWER
NAVIGATION LIGHT
OBSERVED BUOY
OBSERVED SPAR BUOY
PIPE PILE
RANGE LIGHT
SAFETY POST
SEWER OUTFLOW PIPE
SIGN
TELEPHONE
TELEPHONE POLE
TIDE GAUGE/STAFF
TREE
UTILITY POLE
VERTICAL CONTROL
WATER TAP/OUTLET
WATER VALVE
WATER WELL
WOOD PILE

LINETYPE

ARMOUR STONE
CL RAILROAD
DRAIN PIPE
EDGE ROAD / SHOULDER
FENCE LINE
FLOATING TRANSENNIK
GUARD RAIL
HIGH WATER MARK
LOW WATER MARK
MARSH OUTLINE
PROPERTY BOUNDARY
RANGE LIGHT EXTENSION
RETAINING WALL
REPAIR
TOE OF SLOPE
TREE LINE
UNDERGROUND CABLE

Plot Scale: PLOT_SCALE

EDRM Document No. XXXX

Fisheries and Oceans Canada / Pêches et Océans Canada

SMALL CRAFT HARBOURS

NOTES:

1. ALL ELEVATIONS ARE IN METRES UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.

PROVINCE OF NEWFOUNDLAND
PERMIT HOLDER
This Permit Allows
AFN ENGINEERING INC.
To practice Professional Engineering in Newfoundland and Labrador. Permit No. as issued by APEGN. P0292. which is valid for the year 2017.

STAMP: REGISTERED PROFESSIONAL ENGINEER — NEIL C. HUNT — SIGNATURE 08/08/17 DATE — NEWFOUNDLAND & LABRADOR

revisions		date
A	ISSUED FOR TENDER	08/08/17

project / projet

UPLAND DEVELOPEMENT

MARY'S HARBOUR, NL

drawing / dessin

SOUNDING AND TOPOGRAPHIC SURVEY

designed N.H. / concu
date AUGUST 8, 2017
drawn P.H. / dessine
date AUGUST 8, 2017
approved / approuve
Tender / Soumission
DFO Project Manager
project number / no. du projet: 722024
drawing no. / no. du dessin: C1 OF 4