

NOTES

SURVEY PARTY CHIEF RICHARD HEALEY
SURVEY VESSEL ALUMINUM BOAT
SURVEY DATE(S) TOPO COMPLETED OCTOBER 17, 2019
 SOUNDINGS COMPLETED SEPTEMBER 03, 2015

SOUNDER TYPE: SINGLE TRANSDUCER
SOUNDER SETTING MIN/INST VEL OF SOUND 1520 m/s
DEPTH GATE USED N/A FREQ OF TRANS. 210 kHz

POSITIONING SYSTEM USED TRIMBLE R7 GNSS DGPS (WITH OTF)
LAND SURVEY POSITION BY TRIMBLE R7 GNSS DGPS (WITH OTF)

DATA TAPE/DISC(S) USED
CAD DRAWING FILE(S)
TIDAL REDUCTION SCHEME

OFFICE PROCESSOR EDDIE BEARNS
DATE OF PROCESSING OCTOBER 2019

MODE OF PLOTTING LEAST OF MINIMUM DEPTHS
MATRIX CELL WIDTH X LENGTH
REDUCTION OF MATRIX CELLS

POINT NAME	EASTING	NORTHING	CD ELEV	DESCRIPTION
8162018	334142.477	5284706.218		PROVINCIAL BRASS PLAQUE SET IN CONCRETE
PWC 1-96	333684.142	5284297.525	+2.687	NAIL RAMSET IN CONCRETE DECK
PWC 2-96	333697.778	5284414.451	+3.725	SPRIKE DRIVEN FLUSH IN PAVEMENT
PWC 3-96	333531.649	5284378.187		SPRIKE DRIVEN FLUSH IN PAVEMENT
PWC 4-96	333572.847	5284268.847		NAIL RAMSET IN CONCRETE DECK
CHS 1-1983	333708.280	5284268.847	+3.086	CHS BRASS PLAQUE IN CONCRETE FLOOR
CHS 2-1983	333678.900	5284411.170	+2.279	CHS BRASS PLAQUE IN CONCRETE WALL
BM 92F347			+2.853	GEOCITIC BRASS PLAQUE IN CONCRETE BASE

ALL SOUNDINGS & ELEVATIONS IN METRES.

ALL SOUNDINGS & ELEVATIONS REFERRED TO CHS 1-1983 ELEV. +3.086 m (BRASS PLAQUE SET IN CONCRETE FOUNDATION OF BUILDING NEAR GOVERNMENT WHARF)

SOUNDINGS TAKEN USING NAVSOUND 210 ECHO SOUNDER AND POSITIONED BY TRIMBLE R7 GNSS DIFFERENTIAL GPS POSITIONING SYSTEM SEPTEMBER 03, 2015 BY PWGSC SURVEY CREW.

COORDINATES FOR HORIZONTAL CONTROL ARE GIVEN ON THE U.T.M. MAPPING PLANE, ZONE 22, USING THE NORTH AMERICAN DATUM OF 1983 (NAD83).

SOUNDINGS WERE REDUCED BY DIGITRAC & RE-CHECKED FROM SOUNDING CHARTS BEFORE BEING CORRECTED FOR TIDE & BAR CHECK CORRECTION.

SOUNDINGS WERE REDUCED USING HYPACK MAX VER. 2013*.

SPEED OF SOUND WAS OBTAINED BY "BAR CHECK" METHOD.

ALL FIELD NOTES ARE IN HARBOUR GRACE BOOK #260.

LEGEND

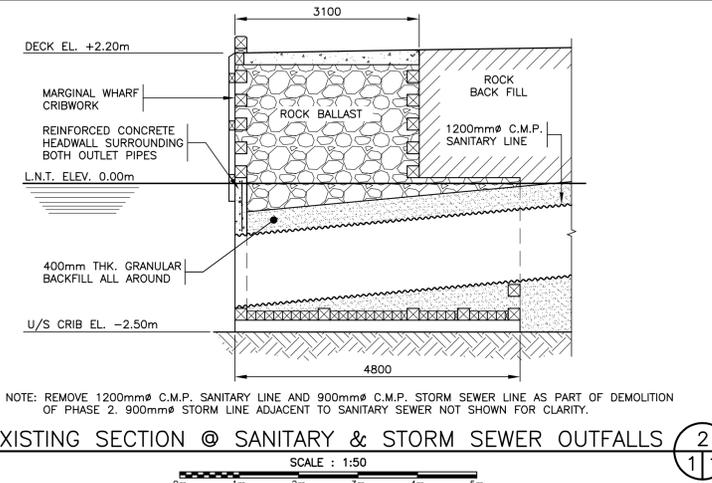
- SYMBOLS**
- ANCHOR BLOCK
 - BOLARD
 - BORNDOLE
 - BOUNDARY MARKER
 - CARD POSITION BUOY
 - CATCH BASIN
 - CLEAT
 - CULVERT
 - DEBRICK
 - DISPOSAL
 - DREDGE CONTROL
 - ELECTRICAL OUTLET
 - FIRE HYDRANT
 - FIRST AID
 - FISH HANDLING EQUIP.
 - FOG HORN
 - FUEL PUMP
 - H PILE
 - HORIZONTAL CONTROL
 - ICE PLANT
 - INVERT PIPE
 - IR BAR
 - FLAG POLE

LINE TYPE

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

DEMOLITION NOTES:

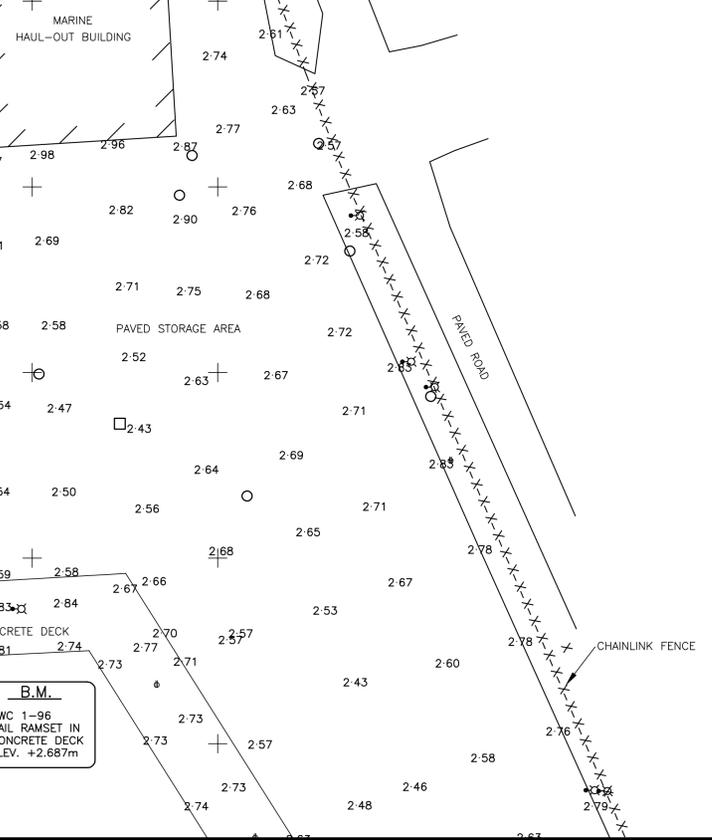
- FOR PHASE 1 DEMOLITION: CONTRACTOR SHALL REMOVE IN ITS ENTIRETY, EXISTING WHARVES, #405, #406, #402 AND #407. THIS SHALL INCLUDE ALL POWER PEDESTALS, LIGHT POLES AND FIXTURES. CONTRACTOR SHALL COORDINATE ALL DEMOLITION WITH OWNER AS REQUIRED. DURING DEMO OF PHASE 1, PHASE 2 ELECTRICAL SHALL REMAIN OPERATIONAL FOR DURATION OF PHASE 1 CONSTRUCTION. UPON COMPLETION OF PHASE 1 CONSTRUCTION, ELECTRICAL SHALL BECOME OPERATIONAL FOR DURATION OF PHASE 2 CONSTRUCTION.
- FOR PHASE 2 DEMOLITION: CONTRACTOR SHALL REMOVE IN ITS ENTIRETY, EXISTING WHARF #404. THIS SHALL INCLUDE ALL POWER PEDESTALS, LIGHT POLES, FIXTURES AND JIB CRANE. CONTRACTOR SHALL ALSO REMOVE IN ITS ENTIRETY EXISTING LAUNCHWAY.
- ALL ELECTRICAL DEMOLITION SHALL BE COORDINATED WITH APPROPRIATE AUTHORITIES TO ENSURE SAFE DISCONNECTION OF SERVICES PRIOR TO ANY DEMOLITION OR REMOVAL OF ELECTRICAL EQUIPMENT AND OR FIXTURES. COORDINATE ALL RECONNECTIONS FOR ELECTRICAL POWER SUPPLIED TO NEW WHARF POWER PEDESTAL WITH ELECTRICAL.
- CONTRACTOR SHALL DREDGE AREA INDICATED BY SHADING IN EACH PHASE OF WORK DOWN TO -3.00m BELOW L.N.T.
- CONTRACTOR SHALL COORDINATE PHASING WITH STAKEHOLDERS TO ENSURE REGULAR SITE OPERATIONS SHALL CONTINUE TO RUN SMOOTHLY DURING DEMOLITION AND CONSTRUCTION OF PHASE 1 AND PHASE 2.
- CONTRACTOR SHALL COORDINATE REMOVAL OF STORAGE CONTAINERS, VESSELS AND SHEDS ON SITE, UNLESS NOTED, WITH OWNERS TO FACILITATE DEMOLITION AND RECONSTRUCTION AS PER TENDER DRAWINGS.
- THE TOWN AND HARBOUR AUTHORITY OF HARBOUR GRACE WILL BE ENGAGING A SEPARATE CONTRACTOR TO RELOCATE ITS STORM AND SANITARY SEWER INFRASTRUCTURE FROM DFO PROPERTY TO TOWN PROPERTY. MARINE CONTRACTOR SHALL REMOVE ALL EXISTING UNDERGROUND ELECTRICAL, SEWER LINES, CATCH BASINS AND MANHOLES ON SITE. PRIOR TO THE COMMENCEMENT OF THE REMOVAL OF SAID INFRASTRUCTURE, CONTRACTOR SHALL COORDINATE DIRECTLY WITH THE TOWN TO ENSURE THE REMOVAL OF SAID INFRASTRUCTURE SHALL NOT IMPACT THE TOWN OR ITS CONTRACTOR. RESTATEMENT AND REROUTING OF AFOREMENTIONED LINES TO TOWN PROPERTY SHALL BE THE RESPONSIBILITY OF THE TOWN AND ITS CONTRACTOR AND SHALL NOT FALL UNDER THIS CONTRACT. HOWEVER, MARINE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUPPLY AND INSTALLATION OF ALL NEW SITE INFRASTRUCTURE AS SPECIFIED AND SHOWN ON SHEET C3.
- SEE SHEET C3 FOR NEW SITE PAVING AND GRADING DETAILS.
- CONTRACTOR SHALL SALVAGE ALL EXISTING LIFE RINGS AND HOLDERS DURING DEMOLITION AND REMOVAL AND TURN OVER TO THE HARBOUR AUTHORITY.



EXISTING SECTION @ SANITARY & STORM SEWER OUTFALLS (11)



EXISTING SITE PLAN (11)



SECTION - EXISTING FINGER PIER (TYP.) (3)



SMALL CRAFT HARBOURS



NOTES

- ALL ELEVATIONS ARE IN METRES UNLESS OTHERWISE NOTED.
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
- DO NOT SCALE FROM DRAWINGS.
- CONTRACTOR MUST VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE PRIOR TO PROCEEDING WITH ANY PORTION OF THIS WORK.



PROVINCE OF NEWFOUNDLAND AND LABRADOR
PERMIT HOLDER
 This Permit Allows
DILLON CONSULTING LIMITED
 To Practice Professional Engineering
 in Newfoundland and Labrador.
 Permit No. as issued by PEGN, D0161
 which is valid for the year 2021

revision	date
O	ISSUED FOR TENDER DEC. 13 2021
D	ISSUED FOR PRE-TENDER REVIEW NOV. 26 2021
C	ISSUED FOR FINAL REVIEW SEPT. 09 2020
B	ISSUED FOR 99% REVIEW MAR. 30 2020
A	ISSUED FOR 66% REVIEW NOV. 19 2019

WHARF RECONSTRUCTION
 HARBOUR GRACE, NL

EXISTING SITE PLAN, DEMOLITION, PHASE 1 & PHASE 2

designed	S. PEARCE	concu
drawn	B. SCAPLEN	dessine
date	FEBRUARY 2020	
date	FEBRUARY 2020	
approved		approve
Tender	Paul Curran	Submission
DFO Project Manager		no. du projet
project number	C2-00201	
drawing no.	C1 OF 11	no. du dessin