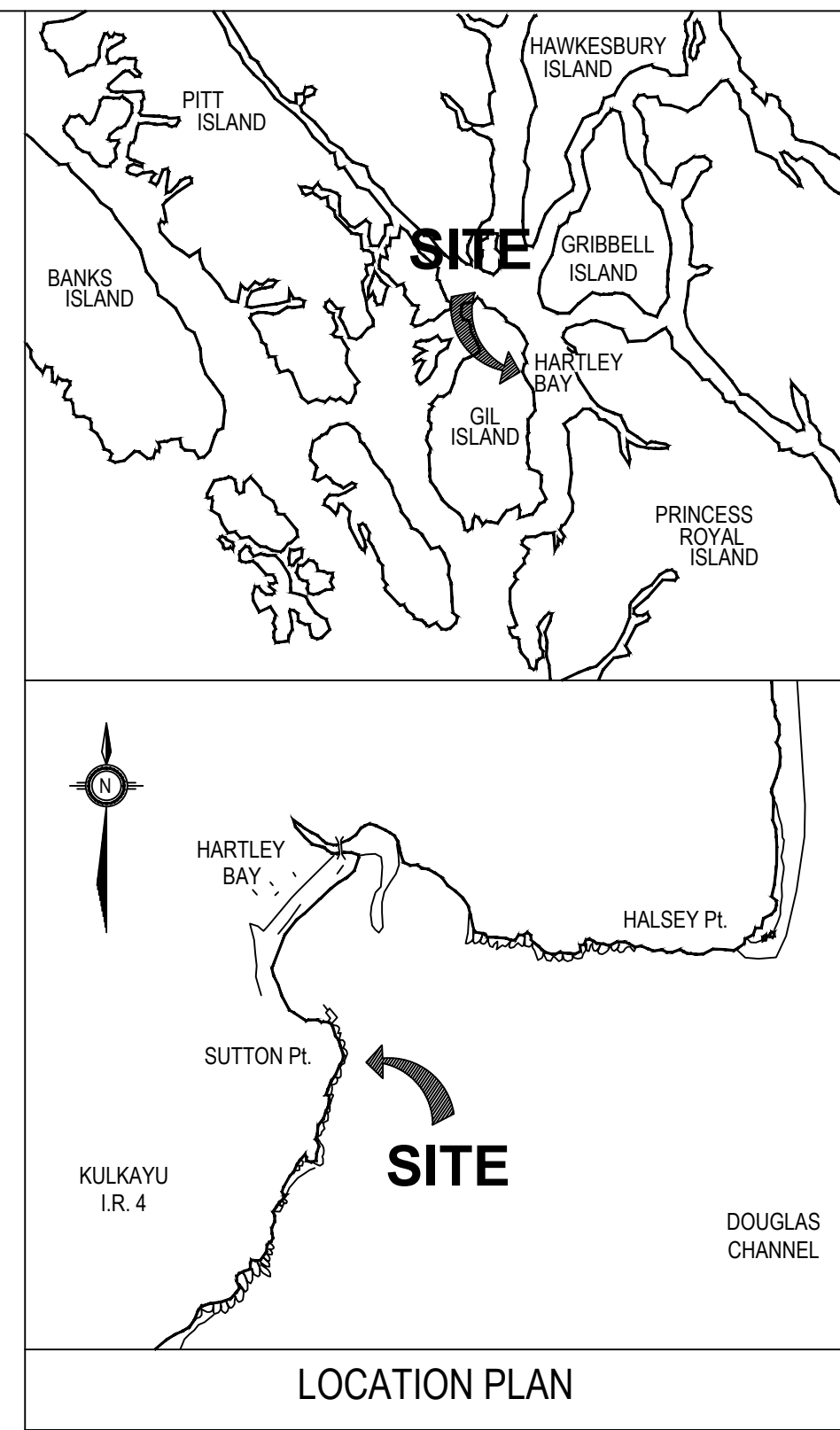


**WATER LOT PLAN**

SCALE: 1:750

WATER LOT LINES AS PER DRAWING  
Ver 2013 Proposed Water Lot Expansion for CCG DWG  
CONTOUR LINES ARE 1m INTERVAL  
SCALE 1:750

- NOTES:**
- THIS DRAWING WAS PREPARED FOR THE EXCLUSIVE USE OF FISHERIES AND OCEANS CANADA (DFO) ("CLIENT") AND IS ISSUED PURSUANT TO THE SERVICES AGREEMENT BETWEEN CLIENT AND TETRA TECH. UNLESS OTHERWISE AGREED IN WRITING WITH CLIENT OR SPECIFIED ON THIS DRAWING, TETRA TECH DOES NOT ACCEPT AND DISCLAIMS ANY AND ALL LIABILITY OR RESPONSIBILITY ARISING FROM ANY USE OR RELIANCE ON THIS DRAWING BY ANY THIRD PARTY OR ANY MODIFICATION OR MISUSE OF THIS DRAWING BY CLIENT, AND THIS DRAWING IS CONFIDENTIAL AND ALL INTELLECTUAL PROPERTY RIGHTS EMBODIED OR REFERENCED IN THIS DRAWING REMAIN THE PROPERTY OF TETRA TECH.



LOCATION PLAN

**PROJECT DESCRIPTION:**

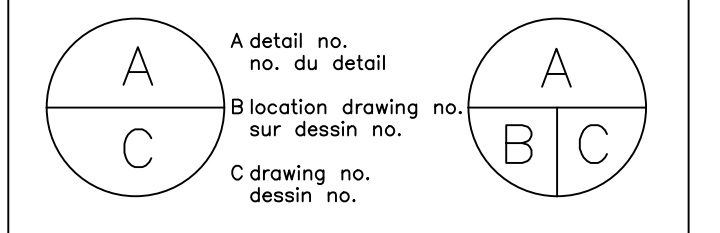
- THE EXISTING STRUCTURES ARE LOCATED ON THE SOUTH SHORE AT HARTLEY BAY, BC. ABOUT 120 km SOUTHEAST OF PRINCE RUPERT, BC.  
 LATITUDE: 53° 25' 22" N  
 LONGITUDE: 129° 14' 58" W  
 FORESHORE LOT 3058, RANGE 4, COAST DISTRICT HARTLEY, BAY BC.
- THE FACILITIES ARE ACCESSED FROM AN EXISTING VILLAGE BOARDWALK.
- A NEW SAR FACILITY REQUIRES NEW WATER LOT BOUNDARIES AS DESCRIBED
- REAL PROPERTIES AND TECHNICAL SUPPORT DIVISION OF FISHERIES AND OCEANS CANADA ARE PLANNING TO ESTABLISH A SEARCH AND RESCUE STATION (SAR) AT HARTLEY BAY BC TO BE COMPRISED OF TWO FLOATING CONCRETE WHARVES BASED ON DFO'S SMALL CRAFT HARBOURS QUAD TYPE PONTOONS THAT ARE EACH 52 METERS BY 17 METERS BY 1.685 METERS HIGH AND DISPLACES 1,000 TONNES.
- ONE QUAD WILL SUPPORT THE SAR OPERATIONS COMPLETE WITH A SAR BUILDING AND A NEW ALUMINUM GANGWAY TO BE CONNECTED TO THE EXISTING TIMBER WALKWAY. THE SAR DOCK WILL BE MOORED WITH 7620 STEEL PILES IN THE WEST SIDE MOORING WELLS ONLY. SEE DRAWING S102 FOR PILE DESIGN LOCATION.
- A SECOND QUAD WILL PERFORM AS A BREAKWATER TO PROVIDE A 500 MM WAVE HEIGHT CLIMATE FOR THE SAR STATION AND THE QUAD SHALL BE MOORED WITH TENSIONED SYNTHETIC MOORING LINES SECURED WITH CONCRETE ANCHORS AS SHOWN.
- THE EXISTING HDPE PIPE BREAKWATERS WILL BE REARRANGED INTO A RAFT TO REDUCE WAVES DEFLECTING AROUND PONTOON BREAKWATER.
- BREAKWATER PONTOON MOORING ANCHORS NUMBERED 1 TO 8 SEAWARD AND 9 TO 14 SHOREWARD. SEE DRAWING S105 FOR ANCHOR DESIGN LOCATION.
- BREAKWATER RAFT MOORING ANCHORS LETTERED A TO E. SEE DRAWING S109 FOR ANCHOR DESIGN LOCATION.
- SAR PONTOON DESIGN LOCATION:  
 MIDDLE OF NORTH WEST BULL RAIL CORNER NORTHING 5919308.772 EASTING 483322.627 MUDLINE EL. -6.5m  
 MIDDLE OF SOUTH EAST BULL RAIL CORNER NORTHING 5919260.439 EASTING 483347.845 MUDLINE EL. -11.5m
- BREAKWATER PONTOON DESIGN LOCATION:  
 MIDDLE OF NORTH WEST BULL RAIL CORNER NORTHING 5919278.010 EASTING 483415.729 MUDLINE EL. -42.0m  
 MIDDLE OF SOUTH EAST BULL RAIL CORNER NORTHING 5919226.733 EASTING 483397.162 MUDLINE EL. -36.0m
- RAFT BREAKWATER DESIGN LOCATION:  
 TOP MIDPOINT OF NORTH WEST HDPE PIPE NORTHING 5919222.592 EASTING 483373.957 MUDLINE EL. -22.0m  
 TOP MIDPOINT OF SOUTHEAST HDPE PIPE NORTHING 5919221.897 EASTING 483393.153 MUDLINE EL. -34.0m

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

Fisheries & Oceans Canada / Real Properties, Safety and Security



revisions	description	date



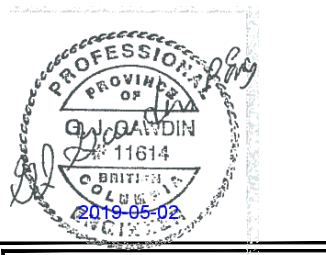
project project

**FISHERIES AND OCEANS CANADA  
CANADIAN COAST GUARD  
SEARCH AND RESCUE**

drawing dessin  
**HARTLEY BAY, BC**

**NEW FLOATING SAR FACILITY  
AND BREAKWATER**

designed	GF	concu
date	2019-03-08	
drawn	WSL	dessine
date	2019-03-08	
approved	GJG	approuve
date	2019-04-26	
Tender	2019-04-26	Soumission



ISSUED FOR TENDER

PWGSC Project Manager / Administrateur de projets TPSGC  
 project number / no. du projet  
**TRNVHWY03002-13**

drawing no. / no. du dessin  
**S100**

Plot Scale: 1:1

