



Navigation Protection Program (NPP)
820-800 Burrard Street
Vancouver, BC, V6Z 2J8

Our File: 2020-501763
Registry Number: 824

APPROVAL

OWNER: BC Hydro
333 Dunsmuir St
Vancouver, BC, V6B 5R3

WORK(S): **Launching Ramp, Walkway, and Breakwater**

SITE LOCATION: **Located at approximately 56°4'14.35"N, -121°50'0.35"W, on unsurveyed crown foreshore or land covered by water being part of the bed Peace River, the fractional NW 1/4 Sec 34, Twp 81, Rge 25, West of the 6th Meridian Peace River District lying NW of the Peace River Except Parcel A (Plan 22969) and Except Plan 21821; Parcel A (Plan 22969) of the NW 1/4, Sec 34, Twp 81, Rge 25, West of the 6th Meridian Peace River District Except Plan 26870, Part of Parcel A shown on Statutory Right of Way Plan 26870 to be known hereafter as Pcl. 1 (R40280) of the NW 1/4 of Sec 34, Twp 81, Rge 25, West of the 6th Meridian Peace River DL 26870; Portions of Highway 29 and Road Right of Way located within Sec 33 and 34, Twp 81, Rge 25, West of the 6th Meridian Peace River District, in the Province of British Columbia.**

As per the application (detailed above) to the Minister of Transport, submitted pursuant to the *Canadian Navigable Waters Act*, for an approval of the work per the attached four (4) plans the Minister hereby approves the work pursuant to subsection 7(6) for the construction of the above mentioned work, in accordance with the following terms and conditions:

1. The works are to be constructed or installed in accordance with the reviewed plans.
2. Construction equipment used in conjunction with this project shall be stored in such a manner that it does not obstruct charted Aids to Navigation and does not obstruct navigation.
3. The NPA Approval and its Terms and Conditions shall be posted at an easily accessible place at the worksite, and be provided to the contractor conducting the work.
4. In the event that the construction or the operation of the above works is terminated, it will be the proponent's responsibility to remove the works and associated equipment in its entirety including any anchors and pilings. The banks and bed of the waterway disturbed by the works are to be contoured to match the local conditions.
5. Equipment used in construction must not prevent vessels from navigating past the work site.



6. A suitable day mark, shall be placed atop the navigation pile that is to be installed at the end of the rubble breakwater, as per the approved drawing.
7. A green flashing light shall be placed above the day mark, as per the approved drawing. The light will display a flash characteristic of (FI) 4s, (a 0.5 second flash every 4 seconds). The light shall have a minimum nominal range of 1 nautical mile.

SIGNED on June 17th, 2020 at Pacific

Eric Leung
NPP Officer
Programs Group
Transport Canada
Pacific Region
For the Minister of Transport




 Reviewed/Examiné
 Date: 2020-06-09
 By: 
 YOUR NAME
 2020-501763 1 of 4
 Navigation Protection Program
 Programme de protection de la navigation

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



Map Notes:
 1. Datum: NAD83
 2. Projection: UTM Zone 10N
 3. Base Data: Province of B.C.
 4. Imagery: ESRI Online Basemapping.
 5. Proposed reservoir area (461.8m maximum normal elevation) from Digital Elevation Models (DEM) generated from LIDAR data acquired July/August, 2006.

Legend

-  Proposed Boat Launch on Future Reservoir near Lynx Creek
-  New Highway Realignment Right-of-Way
-  New Highway Realignment Centerline
-  Future Reservoir

1:3,500 0 25 50 100 150 200 m

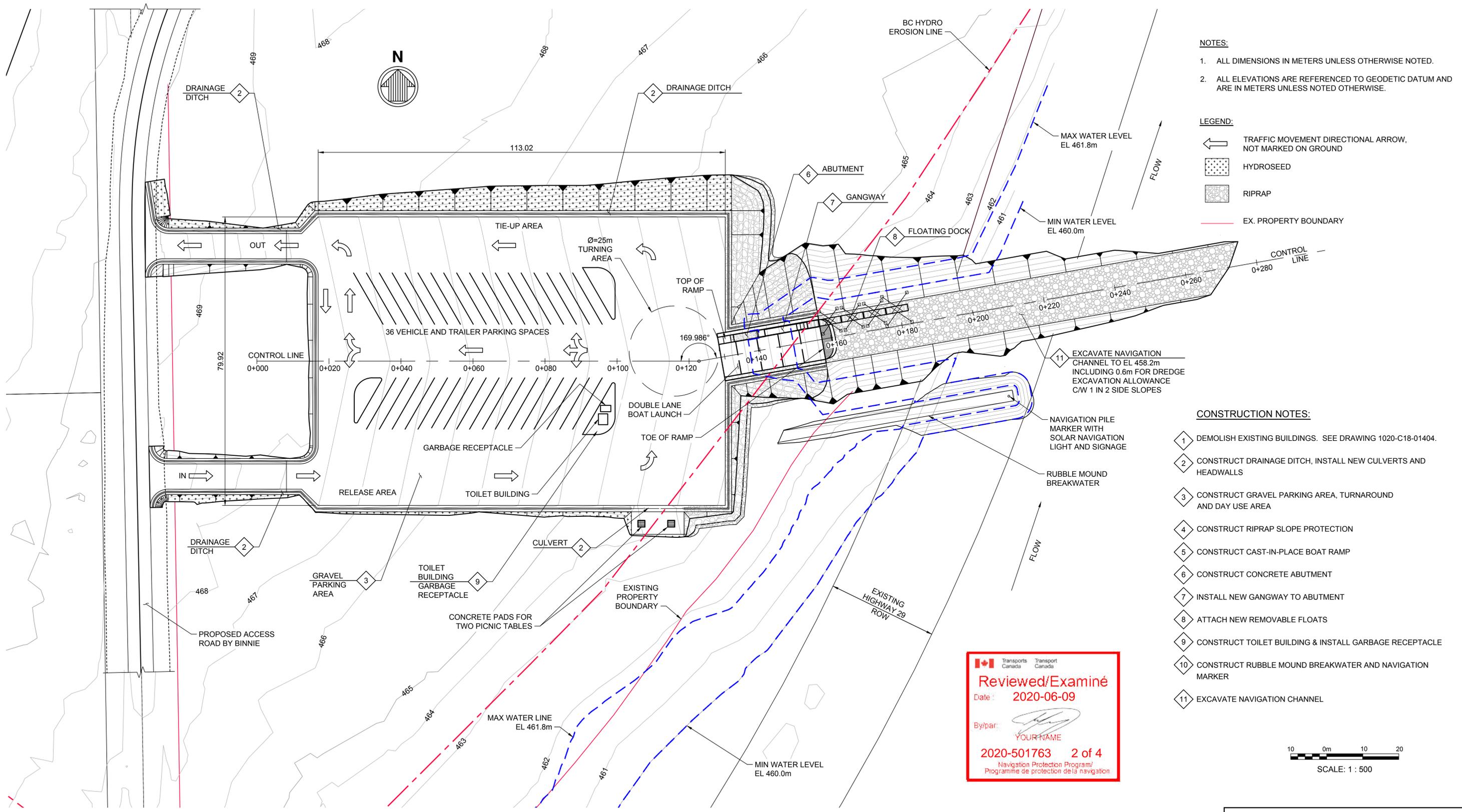


Proposed Boat Launch on the Future Site C Reservoir, near Lynx Creek

Date	Feb. 18, 2020	DWG NO	1016-N11-00758	R 0
------	---------------	--------	----------------	-----

Path: X:\AcGIS\Projects\Permitting\Federal_Permitting\NavPro\AcGIS\BoatLaunch_TC_1016_N11_00758.mxd

NOT TO BE REPRODUCED WITHOUT PERMISSION



- NOTES:**
1. ALL DIMENSIONS IN METERS UNLESS OTHERWISE NOTED.
 2. ALL ELEVATIONS ARE REFERENCED TO GEODETIC DATUM AND ARE IN METERS UNLESS NOTED OTHERWISE.

- LEGEND:**
- ← TRAFFIC MOVEMENT DIRECTIONAL ARROW, NOT MARKED ON GROUND
 - [Stippled pattern] HYDROSEED
 - [Cross-hatched pattern] RIPRAP
 - EX. PROPERTY BOUNDARY

- CONSTRUCTION NOTES:**
- 1 DEMOLISH EXISTING BUILDINGS. SEE DRAWING 1020-C18-01404.
 - 2 CONSTRUCT DRAINAGE DITCH, INSTALL NEW CULVERTS AND HEADWALLS
 - 3 CONSTRUCT GRAVEL PARKING AREA, TURNAROUND AND DAY USE AREA
 - 4 CONSTRUCT RIPRAP SLOPE PROTECTION
 - 5 CONSTRUCT CAST-IN-PLACE BOAT RAMP
 - 6 CONSTRUCT CONCRETE ABUTMENT
 - 7 INSTALL NEW GANGWAY TO ABUTMENT
 - 8 ATTACH NEW REMOVABLE FLOATS
 - 9 CONSTRUCT TOILET BUILDING & INSTALL GARBAGE RECEPTACLE
 - 10 CONSTRUCT RUBBLE MOUND BREAKWATER AND NAVIGATION MARKER
 - 11 EXCAVATE NAVIGATION CHANNEL

Reviewed/Examiné

 Date: 2020-06-09

 By:par:

 YOUR NAME

 2020-501763 2 of 4

 Navigation Protection Program /

 Programme de protection de la navigation



GENERAL ARRANGEMENT
SCALE: 1 : 500

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

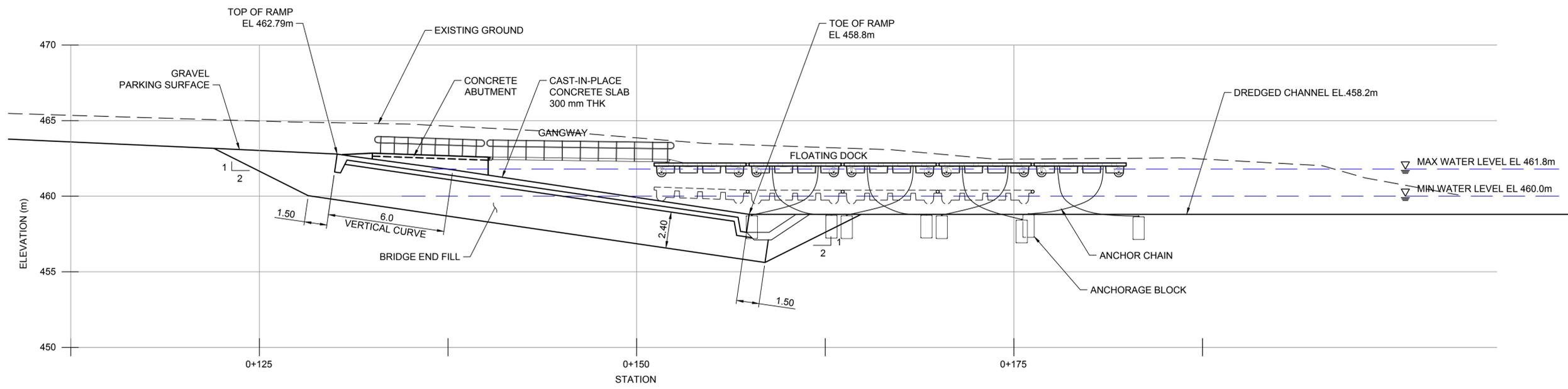
777 WEST BROADWAY, SUITE 301
 VANCOUVER, BC, CANADA, V5Z 4J7
 604-707-9004

BChydro

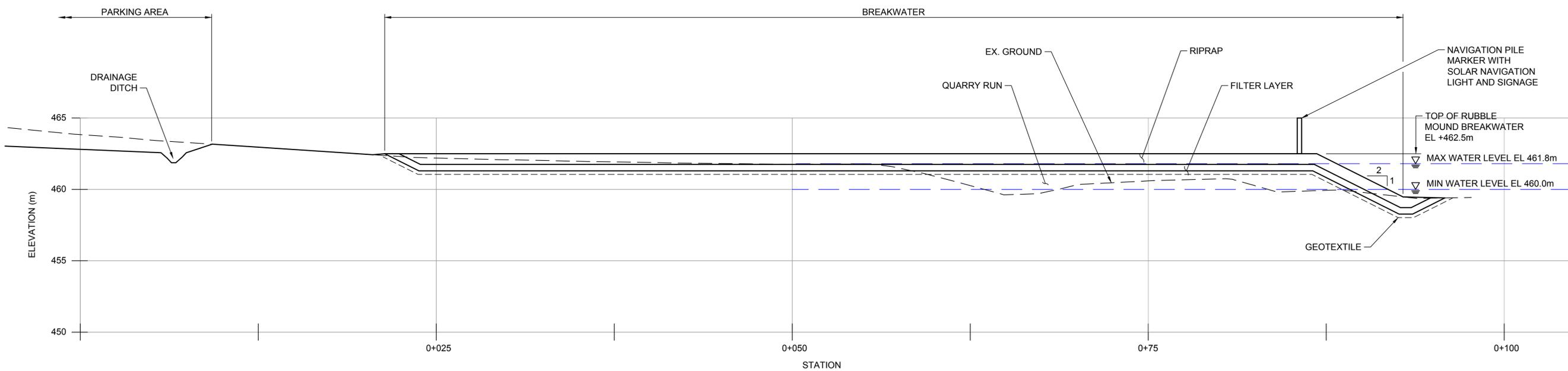
 LYNX CREEK WEST SEGMENT
 LYNX CREEK BOAT RAMP DESIGN
 HIGHWAY 29 BRITISH COLUMBIA
 GENERAL ARRANGEMENT SHEET 1 OF 2

NO.	REVISIONS	DATE	DESIGNED	INDEP. CHK.	DFTG. CHK.	INSP.	REV.	ACPT.
B	ISSUED FOR 90% SUBMITTAL	02/03/2020	DH	PH				
A	ISSUED FOR 50% SUBMITTAL	09.13.2019	DH	PH				

REF#	DRAWING NUMBER	TITLE	REF#	DRAWING NUMBER	TITLE
		REFERENCE DRAWINGS			REFERENCE DRAWINGS



B BOAT RAMP AND DREDGE POCKET PROFILE
1020-C18-01407 SCALE: 1:150



C BREAKWATER PROFILE
1020-C18-01407 SCALE: 1:150



Reviewed/Examiné
 Date: 2020-06-09
 By: [Signature]
 YOUR NAME
 2020-501763 3 of 4
 Navigation Protection Program/
 Programme de protection de la navigation

- NOTES:**
- ALL DIMENSIONS IN METERS UNLESS OTHERWISE NOTED.

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

777 WEST BROADWAY, SUITE 301
 VANCOUVER, BC, CANADA, V5Z 4J7
 604-707-9004

BChydro

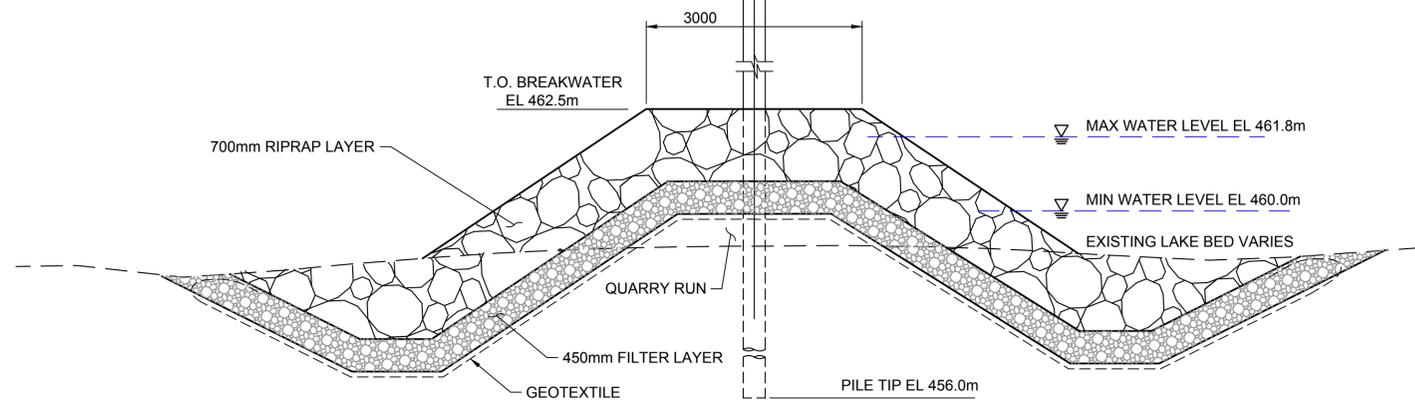
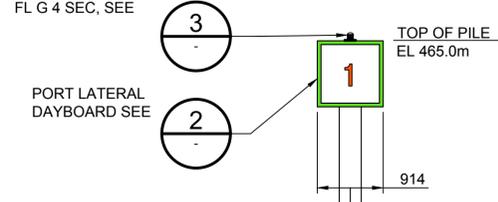
 LYNX CREEK WEST SEGMENT
 LYNX CREEK BOAT RAMP DESIGN
 HIGHWAY 29 BRITISH COLUMBIA
 BOAT RAMP, DREDGE POCKET AND BREAKWATER PROFILE

NO.	REMARKS	DATE	DESIGNED	INDEP. CHK.	DFTG. CHK.	DFTG. CHK.	INSP.	REV.	ACPT.
B	ISSUED FOR 90% SUBMITTAL	02.03.2020	DH	PH					
A	ISSUED FOR 50% SUBMITTAL	09.16.2019	DH	PH					

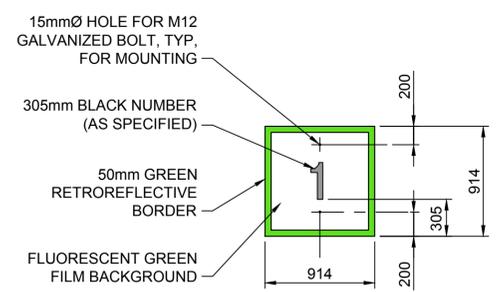
DSGN	DH
INDEP. CHK.	PH
DFTG. CHK.	AVM
DFTG. CHK.	
INSP.	
REV.	
ACPT.	

REF#	DRAWING NUMBER	TITLE	REF#	DRAWING NUMBER	TITLE	NO.	REMARKS	DATE	DESIGNED	INDEP. CHK.	DFTG. CHK.	DFTG. CHK.	INSP.	REV.	ACPT.	DATE	DISTR.	DWG NO.	SIZE	R	B
		REFERENCE DRAWINGS			REFERENCE DRAWINGS												11	1020-C18-01408	D		B

CARMAHAH MODEL 501
MARINE NAVIGATION LIGHT
OR APPROVED EQUAL
GREEN CHARACTERISTIC:
FL G 4 SEC. SEE

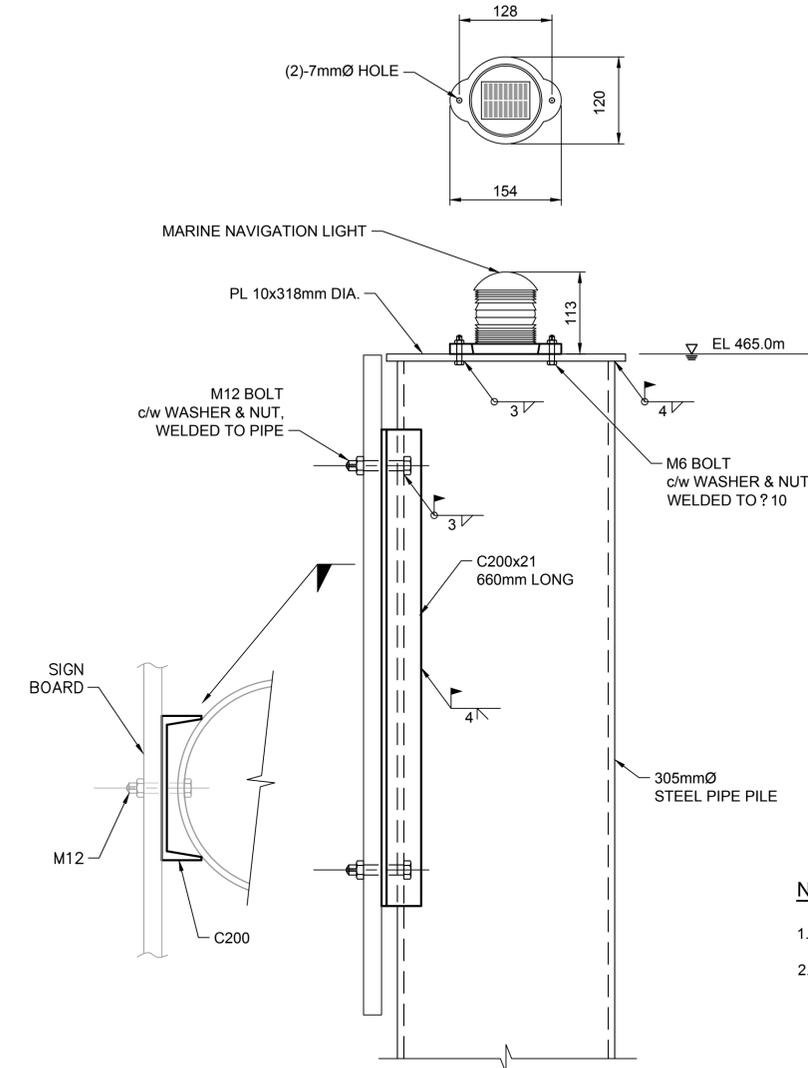


1 DETAIL
SCALE: 1:5



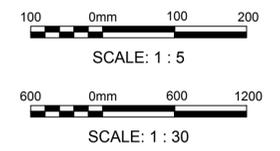
2 DETAIL
SCALE: 1:30

Reviewed/Examiné
 Date: 2020-06-09
 By:par:
 YOUR NAME
 2020-501763 4 of 4
 Navigation Protection Program/
 Programme de protection de la navigation



3 DETAIL
SCALE: 1:5

- NOTES:**
1. ALL COMPONENTS SHALL BE HOT DIP GALVANIZED.
 2. ALL DIMENSIONS IN MILLIMETRES UNO.



PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

777 WEST BROADWAY, SUITE 301
 VANCOUVER, BC, CANADA, V5Z 4J7
 604-707-9004

BChydro

 LYNX CREEK WEST SEGMENT
 LYNX CREEK BOAT RAMP DESIGN
 HIGHWAY 29 BRITISH COLUMBIA
 MISCELLANEOUS DETAILS SHEET 1

DSGN	DH
INDEP CHK	PH
DFTG	AVM
DFTG CHK	
INSP	
REV	
ACPT	

NO	REMARKS	DATE	DESIGNED	INDEP CHK	DFTG	DFTG CHK	INSP	REV	ACPT
B	ISSUED FOR 90% SUBMITTAL	02.03.2020	DH	PH					
A	ISSUED FOR 50% SUBMITTAL	09.16.2019	DH	PH					

REF#	DRAWING NUMBER	TITLE	REF#	DRAWING NUMBER	TITLE
		REFERENCE DRAWINGS			REFERENCE DRAWINGS

DISTR 11 DWG NO 1020-C18-01414 SIZE D R B

NOT TO BE REPRODUCED WITHOUT PERMISSION