

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

APPROVAL

OWNER: **BC Hydro and Power Authority**
9th Floor
1111 Georgia St W
Vancouver, BC, V6E 4M3
Canada

WORK: **Shore Protection**

SITE LOCATION: Located at approximately 56°1'43.24"N, -121°54'23.48"W, on unsurveyed Crown foreshore or land covered by water being part of the bed of Peace River, NE 1/4 Sec 19, Twp 81, Rge 25, West of the 6th Meridian Peace River District Except Blk A, Block B, Blk C; Blk B of NE 1/4 of Sec 19, Twp 81, Rge 25, West of the 6th Meridian Peace River District; That Part of Legal Subdivision 8 of the SE 1/4 of Sec 19, lying North and West of the Peace River; Lot 2, DL 420, Cariboo District Situate Within Peace River District, Plan 20207 Except Plan 33250; Lot 1 and 2, DL 420, Cariboo District Situate Within Peace River District, Plan 21846; Lot 15, Sec 18, Twp 81, Rge 25 West of the 6th Meridian Peace River District Plan 1979 Except Plans B6151, 11401 and 17674; That Part of Lot 15, Sec 18, Twp 81, Rge 25, West of the 6th Meridian Peace River District Plan 1979 and Plan 17674; Lot 1, Sec 18, Twp 81, Rge 25, Plan 11401; Lot 7, 9, 10, 11, 12, 13 and 14, Sec 18, Twp 81, Rge 25, Plan 1979; Lot 6 Sec 18 Twp 81 Rge 25, Plan 34594; Lot 2, 3, 4, 5, 6, Block 1, Sec 13, Twp 81, Rge 26, Plan 12086; Lot 1 and 2, Sec 13, Twp 81, Rge 26, District Plan 12603; Lot 44, Sec 13, Twp 81, Rge 26, Plan 34820; Lot 7, Sec 19, Plan 17881 Except Plan 27673; Lot 6, Plan 17881; Lot 1, Sec 19, Plan 13525 Except Plans 17881 and PGP38305, 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 nine (9) plans the Minister hereby approves the work pursuant to subsection 9(3)(d) for the construction of the above mentioned work, in accordance with the following terms and conditions:

1. 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.
2. The works are to be constructed or installed in accordance with the reviewed plans.
3. Construction equipment used in conjunction with this project shall be stored in such a manner that it does not obstruct navigation.
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. Install and maintain signs approximately 500 m upstream and downstream of the construction site on both banks of the waterway. Signs shall have a white background, measuring at least 1m x 1m, with black lettering, measuring at least 30 cm tall, stating the following:

CAUTION
EROSION PROTECTION WORKS
500 METERS AHEAD



7. The owner shall conduct an Airborne LIDAR survey of the reservoir area post construction and clearing, but prior to the filling of the reservoir. This survey shall be the basis for mapping of the reservoir for boating.

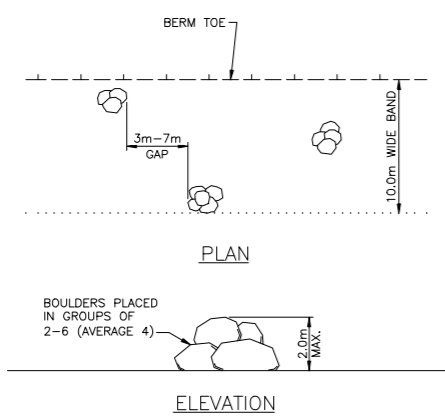
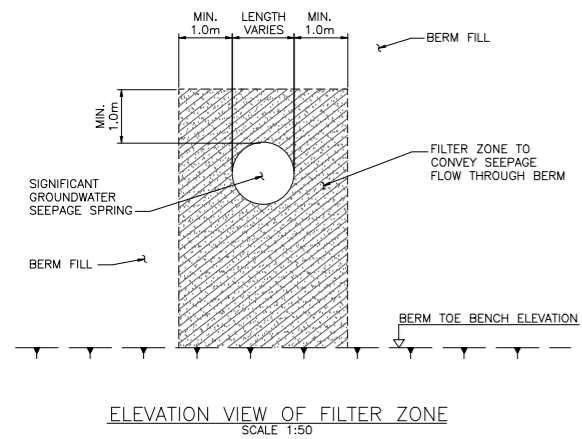
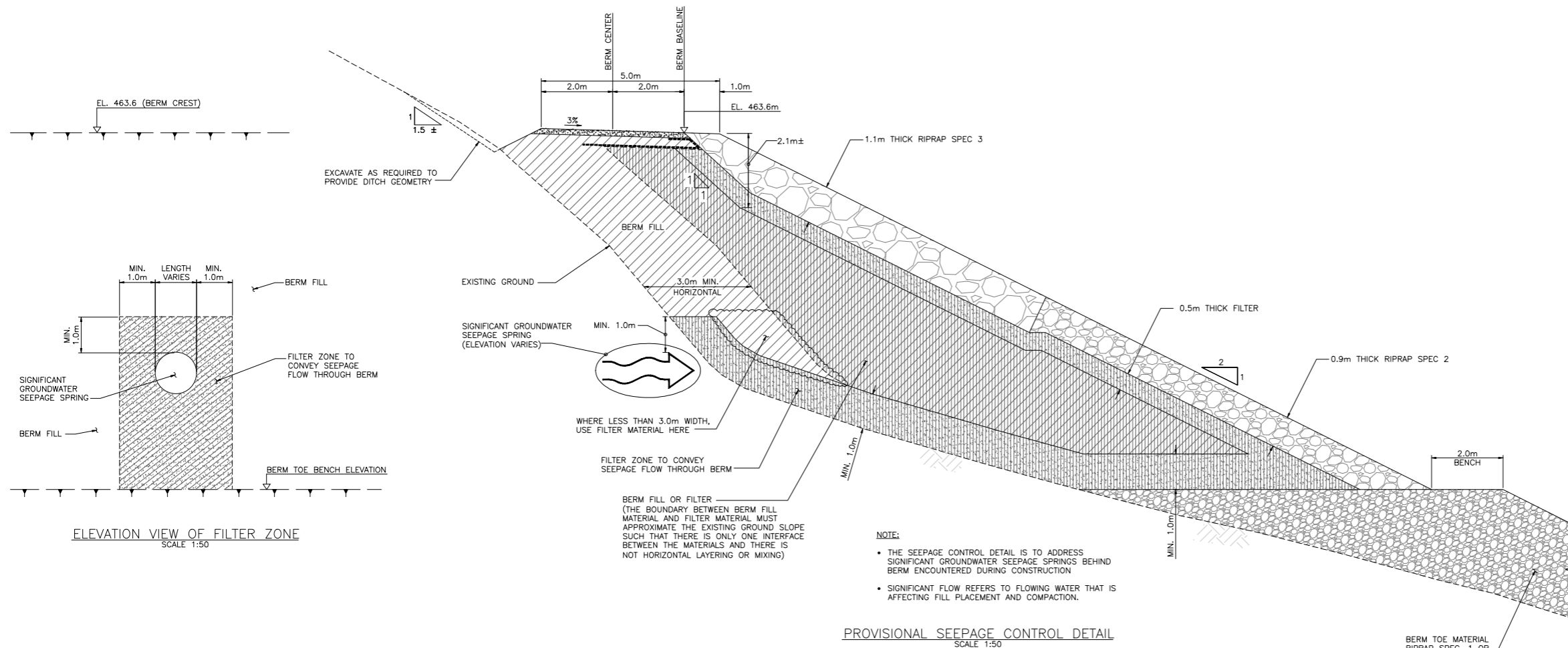
**SIGNED ON March 24th, 2021
at the NPP regional office of Pacific**

Leung,
Eric

Digitally signed by Leung, Eric
DN: C=CA, O=GC, OU=TC-TC, CN="Leung, Eric"
Reason: I have reviewed this document
Location: Langley
Date: 2021-03-24 13:49:58
Foxit PhantomPDF Version: 10.0.1

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

EL/wl



- NOTES:
- BOULDER SIZE 400mm TO 1000mm DIAMETER.
 - BOULDERS PLACED IN GROUPS OF 2 TO 6, (AVERAGE 4).
 - WHERE MORE THAN 3 BOULDERS ARE PLACED, STACKING IS PREFERRED.
 - BOULDER GROUPS ARE PLACED 3m TO 7m APART, AVERAGE 5m.
 - BOULDERS ARE PLACED ALONG THE ENTIRE LENGTH OF BERM TOE IN 10m WIDE BAND.
 - BOULDERS ARE PLACED ON PEACE RIVER BED.
 - BOULDER STACKED TO A MAX. 2m HEIGHT (MAX. EL. OF 458m).

Reviewed/Examined
Date: 2021-03-24
By: ERIC LEUNG
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Navigation Protection Program
Programme de protection des navigations

ISSUED FOR CONSTRUCTION



ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE



DSGN INDEP CHK DFTG DFTG CHK INSP CIV STR MECH GEO ELEC		SITE C CLEAN ENERGY PROJECT RESERVOIR HUDSON'S HOPE BERM SEEPAGE CONTROL DETAILS	
REV ACPT		DATE DIST DWG NO 1020-C18-01325	
REF# DRAWING NUMBER TITLE		SIZE R 0	

0	ISSUED FOR CONSTRUCTION	SEPT 2020	STEFAN JOYCE	SB																
NO	REMARKS	DATE	DESIGNED	INDEP CHK	DFTG	DFTG CHK	INSP CIV	INSP STR	INSP MECH	INSP GEO	INSP ELEC	REV	ACPT							
REVISIONS																				

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

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 STEVEN BOZZE/10
 2/2/2020