



Navigation Protection Program
Programs Group
Transport Canada

Our file:
2019-501239

APPROVAL

APPLICANT: BC Ministry of Transportation
213-1011 4th Avenue
Prince George, BC V2L3H9

WORK: Bridge

SITE LOCATION: Located at approximately 56.27528, -121.23806,
Peace River, located on unsurveyed foreshore or land covered by water
being part of the bed of Peace River, including:

That Part of Lot 1 Section 15 Township 84 Range 21 West of the 6th
Meridian Peace River District Plan EPP68969 Included within Plan
EPP67085

Unconstructed road allowance between Sections 10 and 15 Township 84
Range 21 West of the 6th Meridian Peace River District; and

MOTI Statutory Right of way within Section 10 Township 84 Range 21 West
of the 6th Meridian Peace River District

The North West 1/4 of Section 10 Township 84 Range 21 West of the 6th
Meridian Peace River District Except Plans 24410 PGP38491 EPP67084
and EPP67083, 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 four (4) attached plan(s), 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:

- 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.
- 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.
- The owner shall provide information about any temporary closures to vessel traffic using the Boater Communications Protocol, and post the information on the owner website, on a page related to the project.
- If a temporary closure to vessel traffic will last longer than 5 days, the owner must obtain prior written approval before from the Navigation Protection Program at Transport Canada, a minimum of 10 days before the temporary closure begins.



Prior to diversion of the channel

- Prior to the diversion of the channel, warning signs must be installed and maintained at locations approximately 100 m upstream and downstream from where the diversion begins and ends. Signs shall be a minimum of 72" x 48", a white background with black lettering, the size of the text shall be at least 15cm tall with the word "WARNING" at 1.5 times the size of the message text. Signs shall be replaced for the duration of construction of the bridge with text as outlined below.

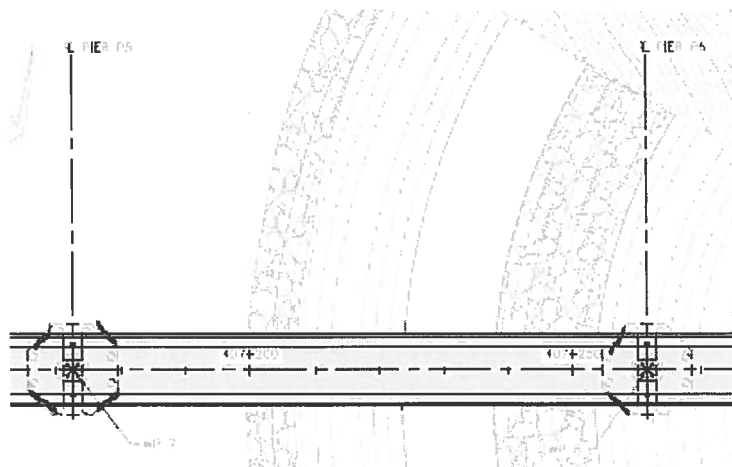
WARNING
BRIDGE CONSTRUCTION
HAZARDS AHEAD

- Any construction equipment anchored or left in or on the waterway overnight shall be marked with a yellow flashing light placed on the extremity closest to the centre of the navigation channel and must be visible to upstream and downstream traffic.
- A safe navigation channel shall be maintained for the duration of construction. When construction activities require channel closures to ensure public safety they will be communicated 5 days in advance using the Boater Communication Protocol.

Post diversion and prior to inundation

- Upon completion of the bridge construction and prior to inundation, the six piers shall be marked with standard W-54 object marker signs on the upstream and downstream sides. Piers 1 and 6 shall be marked with two standard W-54 object marker signs, on the upstream and downstream sides, marking the extremity of the pier closest to the middle of the channel, and piers 2 to 5 shall be marked with four standard W-54 object marker signs, as illustrated by the red lines in Figure 1 below. They shall be placed 1 meter above the maximum reservoir level.

Figure 1:





Transport
Canada

Transports
Canada

SIGNED on February 12, 2020 in Pacific

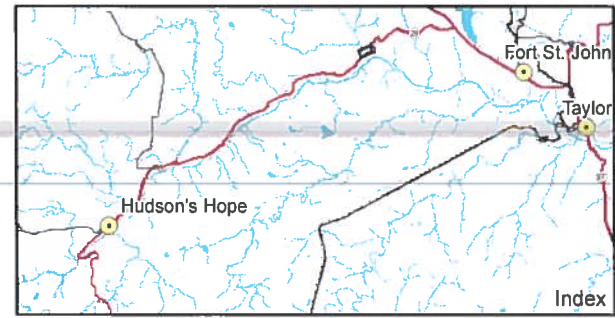
Eric Leung
Navigation Protection Program
Programs Group
Transport Canada
Pacific Region
For the Minister of Transport

/sp

Path: X:\ArcGIS\Projects\milling\Construction\Highways\Cache_Creek\Cannadian_Navigable_Waters_Act_Application\CacheCr_Hwy29_BridgeReplacement_1016_N11_00648.mxd



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.


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Legend

- New Highway Realignment Bridge (pending EAC amendment)
- New Highway Realignment Bridge Piers (pending EAC amendment)
- New Highway Realignment Bridge Abutment (pending EAC amendment)
- New Highway Realignment Centerline (pending EAC amendment)
- New Highway Realignment Right-of-Way (pending EAC amendment)

Reviewed / Examiné

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2019-531239
JAN 24 2020

By/par: 
ERIC LEUNG
Navigation Protection Program /
Programme de protection de la navigation

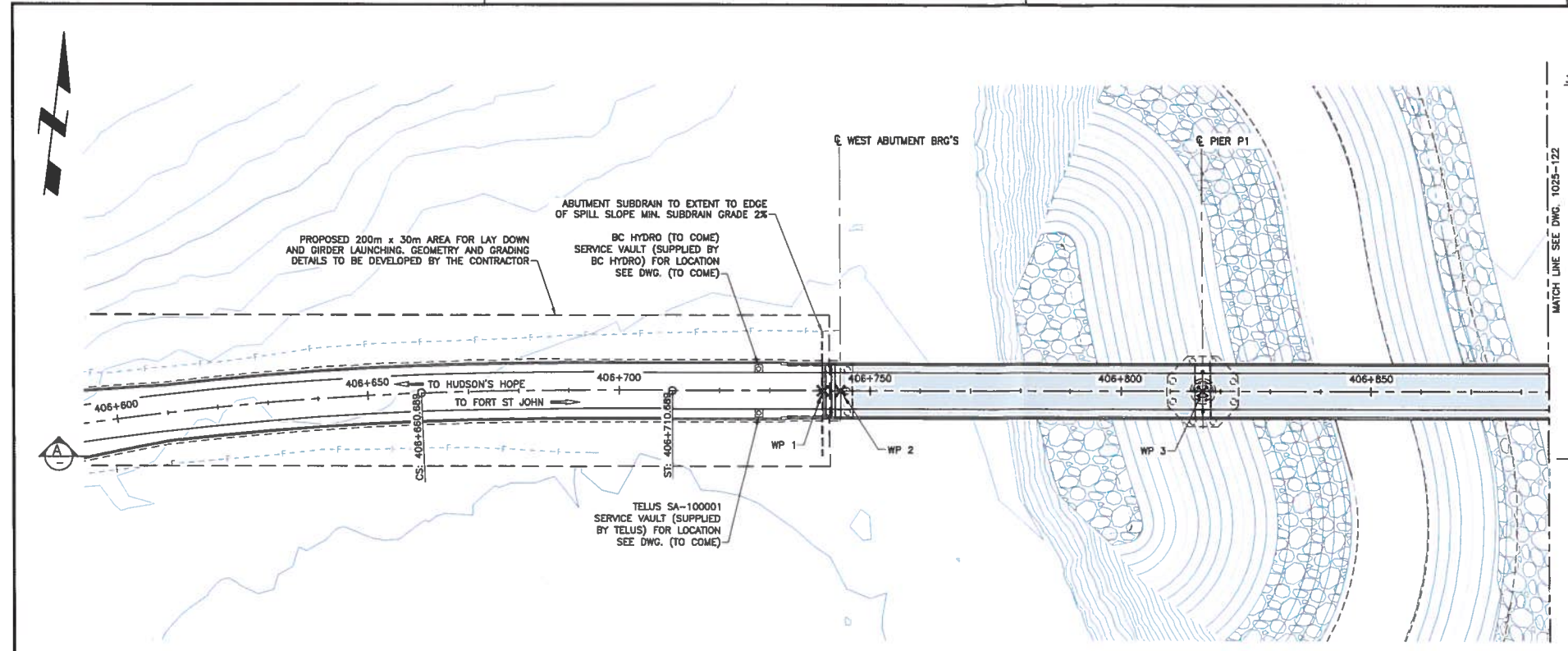
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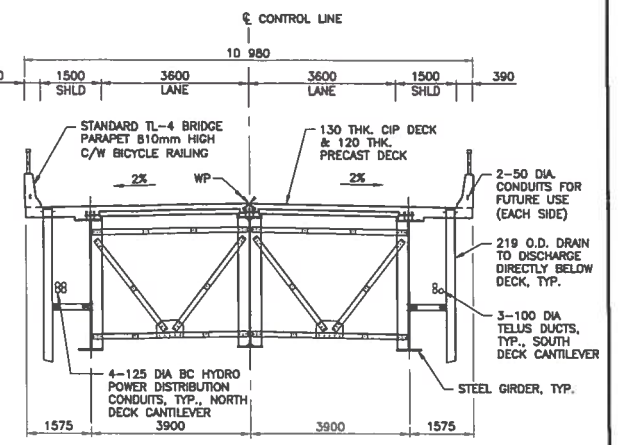
**Site C Project - Highway 29
Cache Creek Bridge Replacement
Canadian Navigable Waters Act Application**

Date	Sep. 30, 2019	DWG NO	1016-N11-00648	R 0
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Construction of the Site C Clean Energy Project is subject to required regulatory and permitting approvals.



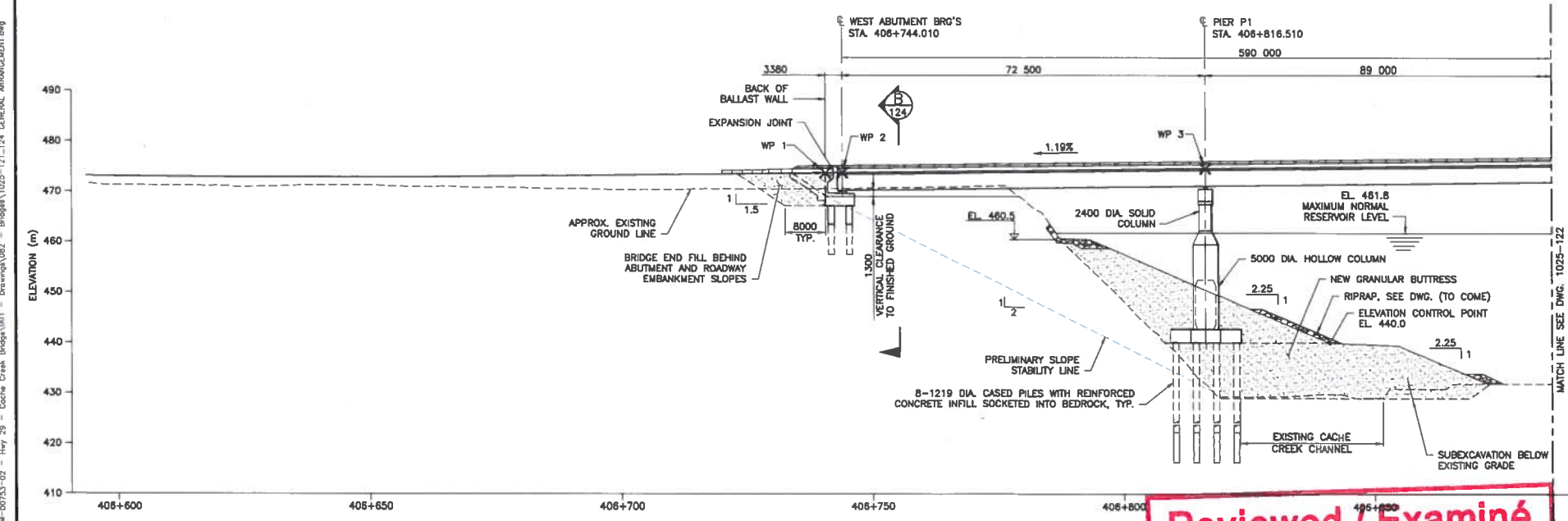
PLAN
SCALE 1:500



TYPICAL SECTION
SCALE 1:75

TABLE: 1042-121-01

WORKPOINT	NORTHING	EASTING	ELEVATION
WP 1	238088.052	808812.459	473.735
WP 2	238088.468	808815.814	473.775
WP 3	238097.345	808887.768	474.636
WP 4	238108.245	808978.098	475.694
WP 5	238119.144	809084.428	478.751
WP 6	238130.044	809152.758	477.807
WP 7	238140.944	809241.088	478.165
WP 8	238151.844	809329.418	477.338
WP 9	238160.723	809401.373	476.455
WP 10	238161.137	809404.727	476.414



SECTION
SCALE 1:500

PRELIMINARY
NOT ISSUED FOR CONSTRUCTION

NOTES:
1. FOR GENERAL STRUCTURAL NOTES, SEE DRAWING 1025-101 & 102.

Rev	Date	Description	Init
A	19/09/16	ISSUED FOR 50% SUBMISSION	JD

BRITISH COLUMBIA
Ministry of Transportation & Infrastructure
Northern Region

NORTHERN REGION
HIGHWAY NO.29
CACHE CREEK BRIDGE NO. 1025
GENERAL ARRANGEMENT - SHEET 1

DESIGNED: SD	DATE: 19/09/16
CHECKED: JD	DATE: 19/09/16
DRAWN: JE	DATE: 19/09/16
SCALE	NEGATIVE NO.
FILE NO. 37249-0006	REVISION NO. 3
PROJECT NO. 1025-121	DRAWING NO. A

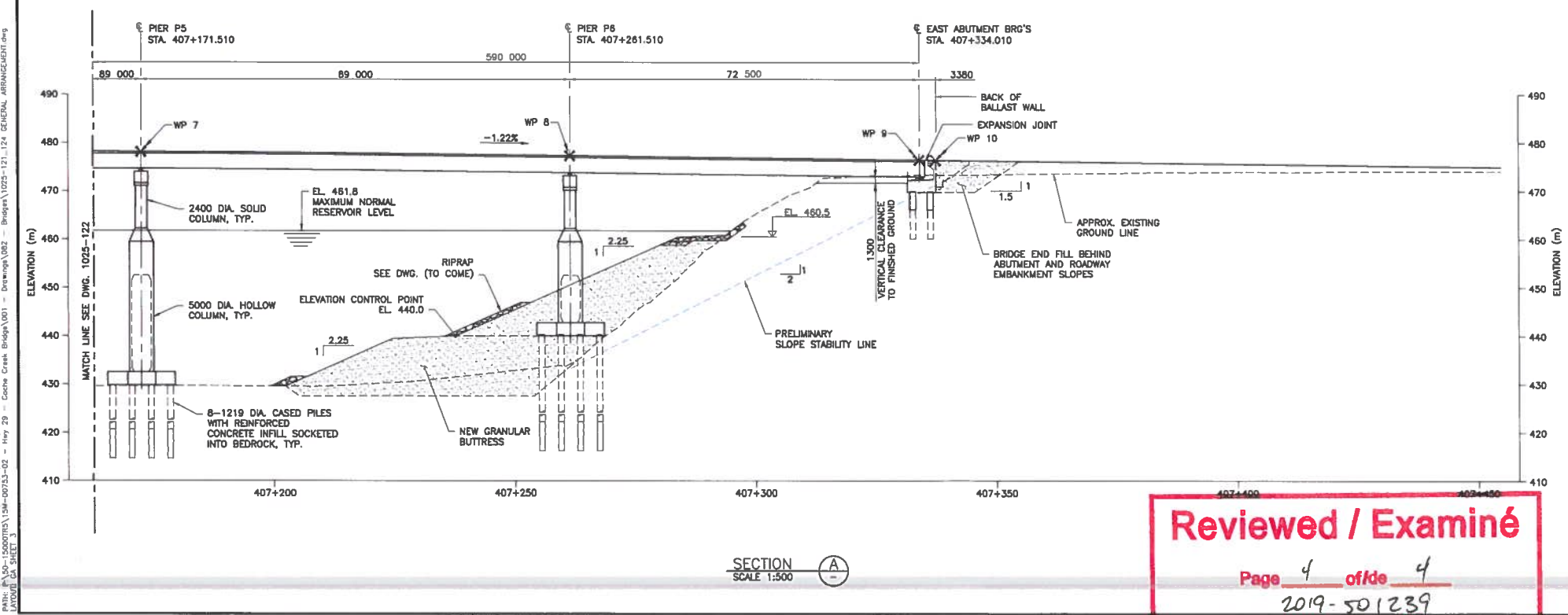
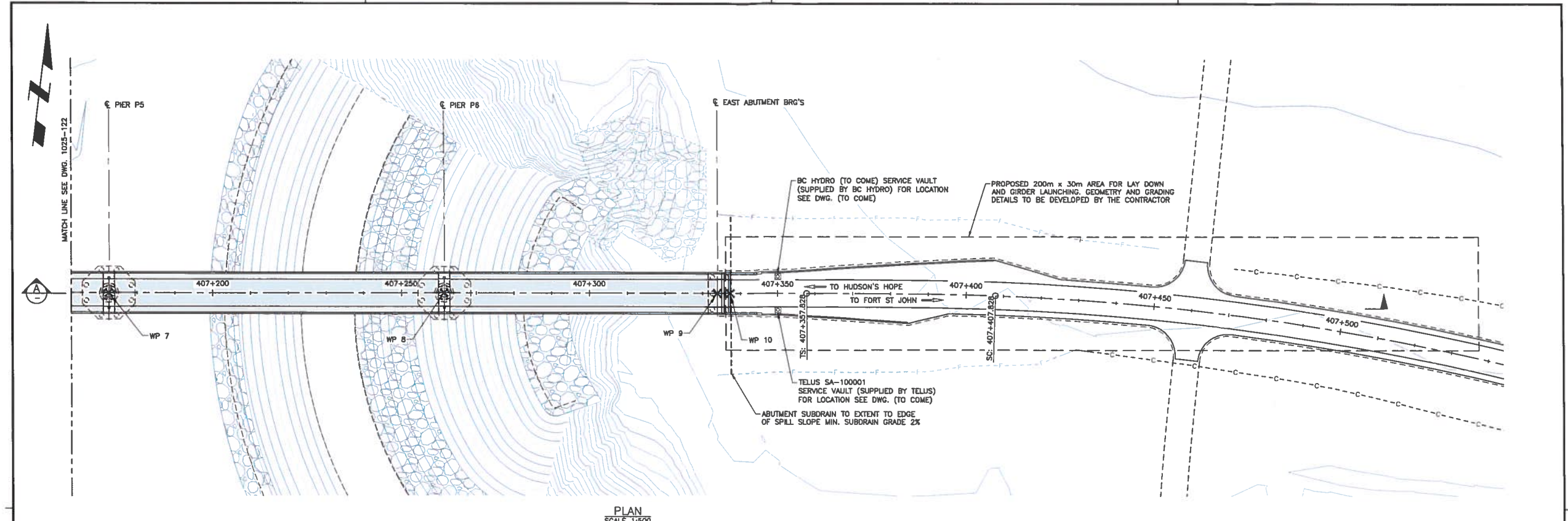
Reviewed / Examiné

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2019-501239
JAN 24 2020

By: **ERIC LEUNG**
Navigation Protection Program /
Programme de protection de la navigation

DATE: 2019-09-16 10:30am (ep070150)
PART: P:\30-150000\3134-0013-02 - Hwy 29 - Cache Creek Bridge\001 - Drawings\02 - Bridges\1025-121-24 GENERAL ARRANGEMENT.dwg
JOB NO: 3134-0013-02



PRELIMINARY
NOT ISSUED FOR CONSTRUCTION

NOTES:
1. FOR GENERAL STRUCTURAL NOTES, SEE DRAWING 1025-101 & 102.

Rev	Date	Description	Init
A	19/09/18	ISSUED FOR 50% SUBMISSION	JD

REVISIONS

BRITISH COLUMBIA Ministry of Transportation & Infrastructure Northern Region

NORTHERN REGION
HIGHWAY NO.29
CACHE CREEK BRIDGE NO. 1025
GENERAL ARRANGEMENT - SHEET 3

DESIGNED BY	DATE	19/09/18	
CHECKED BY	DATE	19/09/18	
DRAWN BY	DATE	19/09/18	
SCALE			
NEGATIVE No.			
FILE No.	PROJECT No.	REV.	DRAWING No.
19/09/18	37249-0006	3	1025-123

CANCEL PRINTS BEARING PREVIOUS LETTER

Reviewed / Examiné

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2019-501239
JAN 24 2020

By/par: **ERIC LEUNG**
Navigation Protection Program /
Programme de protection de la navigation

DATE: 19/09/18 - 3:10pm (enr070146)
PATH: P:\SA-100001\1025-123-124-GENERAL ARRANGEMENT.dwg
PROJECT: CA SHEET 3