



Navigation Protection Program  
Programs Group  
Transport Canada

Our file:  
**2019-500365**

### APPROVAL

**APPLICANT:** BC Hydro  
Ste 600, Four Bentall Centre, 1055 Dunsmuir St. PO Box 49260  
Vanouver, British Columbia V7X 1V5

**WORK:** Pilings  
Bridge

**SITE LOCATION:** Located at approximately 56.19889, -120.93263,  
Moberly River, located on unsurveyed foreshore or land covered by water,  
approximately 700m upstream of the confluence with the Peace River, Fort  
St. John, 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 9 (nine) 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:

1. The CNWA 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 owner shall provide information about the support piles and temporary bridge location and obstruction using the Boater Communications Protocol, and post the information on the owner website, on a page related to the project.
3. Upon commencement of construction, install and maintain warning signs, at the confluence of the Moberly River and the Peace River approximately 700m downstream of the crossing, and a second approximately 1000m upstream of the crossing. Signs shall advise of the obstruction Moberly River. 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.

WARNING  
OBSTRUCTION AHEAD

4. Upon installation of the piles and attached wires, install and maintain a warning sign on the upstream and downstream sides of the piles. Signs shall advise of the presence of a submerged hazard. 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.

WARNING  
SUBMERGED HAZRAD

5. During construction, the outermost extent of each abutment above the surface shall be marked with orange Hi-visibility markers on the upstream and downstream corners.

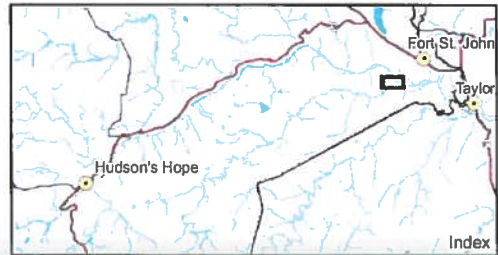


6. During construction the outermost extent of each abutment above the surface shall be marked with a flashing yellow light on the upstream and downstream corners during periods of darkness or limited visibility.
7. Any construction equipment or machinery left in the water during periods of darkness or limited visibility shall be marked with a yellow flashing light visible to upstream and downstream traffic.
8. Piles shall have horizontal bands of yellow reflective tape, not less than 10 cm in width placed around the horizontal circumference of each pile at an elevation between of 418m and 418.5m.
9. A yellow flashing light shall be placed on top of the piles at stations 0+050, 0+100, 0+150, 0+200, 0+250, and 0+300. Lights will display a flash characteristic of (Fl) 4s, (a 0.5 second flash every 4 seconds). Lights shall have a minimum nominal range of 1 nautical mile. Lights shall remain in place until inundation.
10. Once the piles are submerged due to inundation, yellow buoys shall be placed and maintained at the location of the piles. Buoys are to be no more than 20 metres apart and no less than 0.6 metres in diameter. Horizontal bands of yellow reflective tape, not less than 10 cm in width and 15 cm in length, shall be either placed at intervals around the horizontal circumference of the buoys or displayed from suitable topmarks that are visible from all directions. Buoys shall remain in place until the water elevation at the location of the piles reaches 5m greater than the top elevation of the piles.
11. High visibility markers shall be placed on the upper wire, between each pile, until inundation.
12. The temporary bridge deck is to be removed prior to inundation.

**SIGNED on December 2, 2019 in Pacific**

Jonn Leeden  
Navigation Protection Program  
Programs Group  
Transport Canada  
Pacific Region  
For the Minister of Transport





Map Notes  
 1 Datum: NAD83  
 2 Projection: UTM Zone 10N  
 3 Dam Site Imagery © Digital Globe Sep 19, 2018

**Legend**  
 ● Debris Structure Piles  
 □ Moberly River Bridge

1:10,000 0 500 m



Moberly Debris Structure  
 Figure 1

Date	August 2, 2019	DWG NO	1016-N11-00578
------	----------------	--------	----------------

Construction of the Site C Clean Energy Project is subject to required regulatory and permitting approvals.

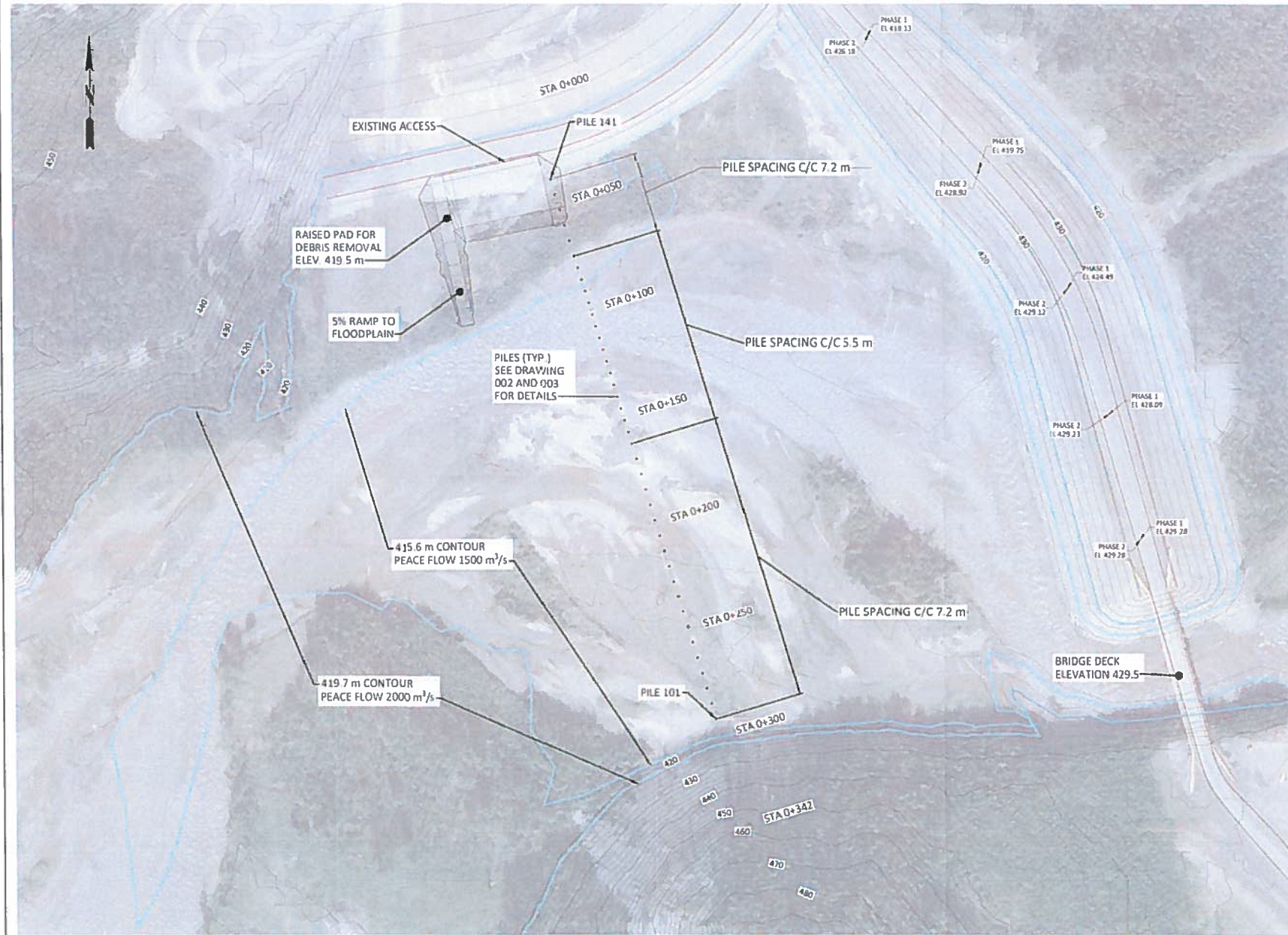
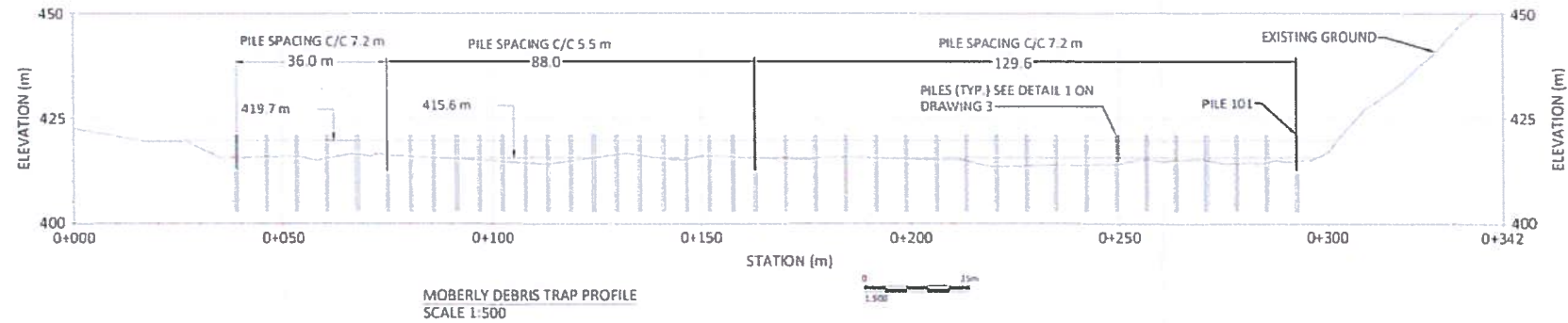
Path: X:\ecis\Projects\Family\Construction\Dam\_Site\_Moberly\Moberly\_Debris\_Structure\_1016\_N11\_00578.mxd

**Reviewed / Examiné**

Page 1 of 9  
 2019-300365  
 NOV 25 2019

By/par: **JOHN LEEDEN**  
 Navigation Protection Program /  
 Programme de protection de la navigation





WORK POINTS		
WORK POINT	EASTING	NORTHING
PILE 101	628306.723	6229996.925
PILE 102	628304.649	6230003.820
PILE 103	628302.575	6230010.715
PILE 104	628300.501	6230017.609
PILE 105	628298.427	6230024.504
PILE 106	628296.353	6230031.399
PILE 107	628294.279	6230038.294
PILE 108	628292.205	6230045.189
PILE 109	628290.131	6230052.084
PILE 110	628288.057	6230058.978
PILE 111	628285.983	6230065.873
PILE 112	628283.909	6230072.768
PILE 113	628281.835	6230079.663
PILE 114	628279.761	6230086.558
PILE 115	628277.687	6230093.453
PILE 116	628275.613	6230100.347
PILE 117	628273.539	6230107.242
PILE 118	628271.465	6230114.137
PILE 119	628269.391	6230121.032
PILE 120	628267.317	6230127.927

WORK POINTS		
WORK POINT	EASTING	NORTHING
PILE 121	628266.223	6230131.566
PILE 122	628264.138	6230136.833
PILE 123	628263.054	6230142.099
PILE 124	628261.970	6230147.366
PILE 125	628259.886	6230152.633
PILE 126	628258.801	6230157.900
PILE 127	628256.717	6230163.167
PILE 128	628255.633	6230168.434
PILE 129	628253.548	6230173.701
PILE 130	628251.464	6230178.968
PILE 131	628250.380	6230184.234
PILE 132	628248.296	6230189.501
PILE 133	628247.211	6230194.768
PILE 134	628245.127	6230200.035
PILE 135	628244.043	6230205.302
PILE 136	628241.959	6230212.197
PILE 137	628239.875	6230219.092
PILE 138	628237.791	6230225.986
PILE 139	628235.707	6230232.881
PILE 140	628233.623	6230239.776

**NOTES:**

1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE
2. ORTHOPHOTO PROVIDED BY BC HYDRO, IMAGE DATE 2018-05-21
3. GROUND DATA FROM FOLLOWING SOURCES PROVIDED BY BC HYDRO:
  - 3.1. LIDAR SURVEY
  - 3.2. BATHYMETRY
    - STC-DTM-C-EXIS-GRND-MERGED-2015-COLR.xml
    - Moberley River.xml
  - 3.3. RSEM GEOMETRY FROM FILES:
    - RSa-PHS1-DYKE.stl
    - RSa-PHS1-FILL.stl
4. MOBERLEY CAUSEWAY GEOMETRY FORM REVISION A IFC DAWINGS BY ALL SPAN ENGINEERING & CONSTRUCTION LTD
5. HORIZONTAL DATUM IS NAD83 (CSRS), COORDINATES ARE UTM10 N, DATUM NAD83
6. ELEVATIONS ARE ORTHOMETRIC, CGVD28

NOT FOR CONSTRUCTION



BC Hydro

REV	DATE	BY	CHK	APP	DESCRIPTION

CLEAN ENERGY PROJECT - SITE C  
DEBRIS MANAGEMENT  
MOBERLEY DEBRIS PILES  
DEBRIS PILES DRAWING  
PLAN, PROFILE AND NOTES

XXXX-CXX-001

REF#	DRAWING NUMBER	TITLE	REF#	DRAWING NUMBER	TITLE

NO.	REVISIONS	DATE	BY	CHK	APP	DESCRIPTION

**Reviewed / Examiné**

Page 2 of 10

2019-500365

NOV 25 2019

By/par: **JONN LEEDEN**  
Navigation Protection Program /  
Programme de protection de la navigation





- NOTES**
- 1.0 GENERAL
    - 1.1 GEOTECHNICAL INFORMATION AND DESIGN PARAMETERS PROVIDED BY: GEONORTH ENGINEERING LTD.
    - 1.2 REFER TO SCHEDULE C - SPECIFICATIONS, SECTION 31 63 19.15 DRILLED STEEL PIPE PILES TECHNICAL SPECIFICATION
    - 1.3 ALL SURVEY COORDINATES PROVIDED IN: NADB3 (CSRS) UTM 10, vertical datum CGVD29
  - 2.0 MATERIALS
    - 2.1 PIPE MECHANICAL PROPERTIES:
 

SUITABLE STEEL PLATE GRADES INCLUDE:

ASTM A572	Gr. 50
ASTM A1018 HSLAS-F	Gr. 50
API 5L	Gr. X50
CSA G40.20/21	Gr. 350W
OR PRE-APPROVED ALTERNATE QUALITY STEEL PLATE	

REGARDLESS OF THE STEEL GRADE USED, THE FOLLOWING MINIMUM PARAMETERS MUST BE MET:

YIELD STRENGTH, $f_y$	345 MPa
ULTIMATE STRENGTH, $f_u$	440 MPa
ELONGATION	20%
    - 2.2 USING APPROVED PLATE GRADE, SPIRAL WELDED OR ROLLED PIPE CANS FABRICATED TO ONE OF THE FOLLOWING STANDARDS:
 

ASTM A139	ASTM A252
API 5L	CSA Z245

STEEL PIPE PILES TO BE DIAMETER AND WALL THICKNESS AS NOTED IN ON THE DRAWINGS.
    - 2.3 CONCRETE: C30  $f'_c = 30$  MPa
    - 2.4 REINFORCING: TO CSA C30.18 400W  $f_y = 400$  MPa
    - 2.5 WELDED CONNECTIONS: TO CSA W59 E49XX EQUIVALENT
    - 2.6 STRUCTURAL STEEL: GRADE 300W  $f_y = 300$  MPa
  - 3.0 EXECUTION
    - 3.1 PROVIDE NEW PILE PIPE SECTIONS, LOWER PIPE SECTION OF 18.3m (60') AND UPPER PIPE SECTION OF 12.2m (40') LENGTH A MAXIMUM OF TWO PILE SPLICE ALLOWED IN THE FIELD PER PILE ONLY WHERE DEPTH EXCEEDS THE 30.0m LENGTH. STEEL PIPE JOINTS TO BE WELDED IN FIELD TO ACHIEVE FULL SECTION CAPACITY. ALL FULL STRENGTH PIPE SPLICE WELDS TO HAVE FULL NOT TESTING IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS. (USE BACKING BARS AS SHOWN IN DWGS)
    - 3.2 THE GEOTECHNICAL INFORMATION USED FOR THE PROJECT HAS BEEN PROVIDED BY GEONORTH ENGINEERING LTD. THE GEOTECHNICAL MATERIAL ARE DESCRIBED IN DETAIL IN DBM 300xxxx. RIVER BED MATERIALS EXPECTED TO CONTAIN COBBLES AND/OR BOULDERS. THE GEOTECHNICAL ENGINEERS MUST BE ONSITE DURING THE PILE DRILLING AND INSTALLATION.
    - 3.3 INSTALL THE PILES USING APPROVED DOWN-THE-HOLE HAMMER AND ROTARY DRILLING EQUIPMENT OR COMPARABLE. PRE-APPROVED ALTERNATIVE SUITABLE FOR PENETRATING DENSE GRAVEL, COBBLES, BOULDERS AND SHALE. USE METHODS THAT MINIMIZE DAMAGE TO THE PILE AND DISTURBANCE TO THE ANNULAR SPACE BETWEEN THE OUTSIDE OF THE PILE AND THE SURROUNDING SOIL AND BEDROCK.
    - 3.4 REINFORCING CAGE TO BE PLACED PRIOR TO CONCRETE PLACEMENT. "WET DOWELING" IS NOT ACCEPTABLE.
    - 3.5 WHERE PILE SHAFTS ARE DRY:
 

PLACE CONCRETE IN ACCORDANCE WITH CSA A23.1 SECTION 7.4.7 CONCRETING TUBULAR PILES AND DRILLED SHAFTS

WHERE PILE SHAFTS CONTAIN WATER:

PLACE CONCRETE IN ACCORDANCE WITH CSA A23.1 SECTION 7.4.5 CONCRETING UNDERWATER AND SECTION 7.4.6 CONCRETE PLACED BY TREMIE.
    - 3.6 PILE LOCATION TOLERANCE:
 

PLAN LOCATION OF BUTT:	±100 mm
CUT-OFF ELEVATION:	-0, +1500mm
    - 3.7 SUBMIT PILE INSTALL RECORDS TO THE ENGINEER PER TS 11 63 19.15, INCLUDING:
      - ELEVATION AT SURFACE
      - DEPTH TO BEDROCK (IF ENCOUNTERED)
      - ROCK SOCKET EMBEDMENT

THE BASE PILE DESIGN IS FOR THE PILE SPACING SPECIFIC TO THE PILE ZONES NOTED ABOVE AND CONSIDERING A SHALE BEDROCK ELEVATION OF EL. 409.

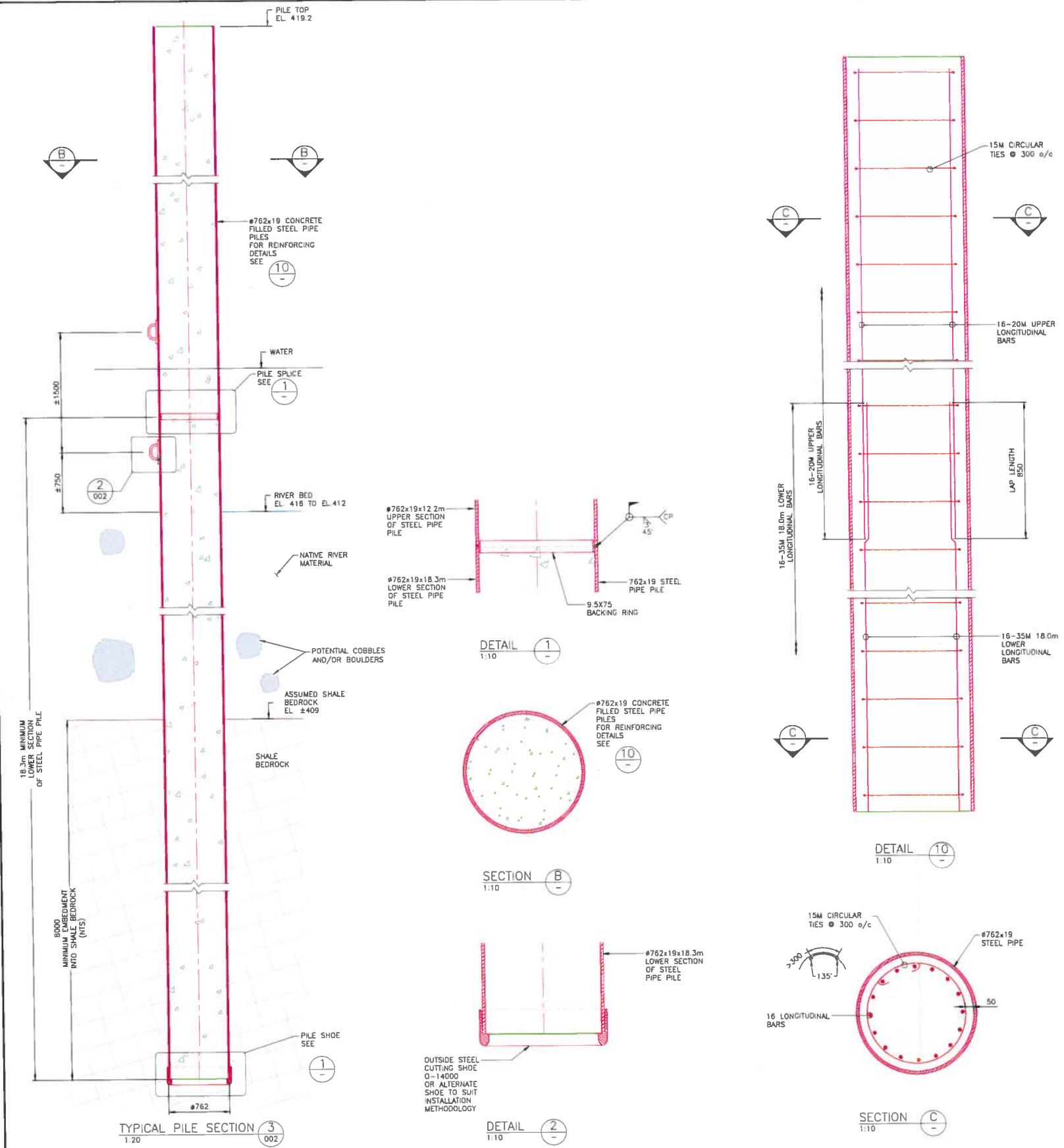
THE SHALE BEDROCK WAS ESTIMATED AT EL. 409m BY THE GEOTECHNICAL ENGINEER BASED ON DATA FROM THE MOBERLY RIVER BRIDGE WHICH IS BETWEEN 200-350m FROM THE PROPOSED PILE LOCATIONS.

THE BASE DESIGN SHOWN ON DRAWING 003 CAN ONLY ACCOMMODATE A SMALL VARIATION IN THE BEDROCK ELEVATION. IF THE BEDROCK ELEVATION IS FOUND TO BE LOWER THAN NOTED ABOVE MODIFICATION TO THE PILE LENGTH AND PILE SPACING WILL BE REQUIRED. IF THE BEDROCK ELEVATION IS FOUND TO BE BELOW EL. 400 THEN THE PILE CONCEPT WITH CURRENT PILE PARAMETERS AND GEOMETRY WILL NOT WORK AND RE-DESIGN WILL BE REQUIRED.

OUR RECOMMENDATION IS TO REDUCE THE GEOTECHNICAL RISK BY PROVIDING ADDITIONAL GEOTECHNICAL INVESTIGATIONS CLOSER TO THE PROPOSED PILE LOCATIONS.

	PILE TOP (m)	BEDROCK (m)	PILE TIP (m)	PILE SPACING (m)	No. OF PILES	LENGTH EACH (m)	TOTAL (m)
BASE DESIGN	419.2	409	401	7.2/9.5	40	18.2	728
UPPER BOUND	419.2	400	392	4.0	65	27.2	1768

**SCHEDULE OF QUANTITY**



**Reviewed / Examine**

Page 4 of 10

2019-500365

NOV 25 2019

By/par: **JOHN LEEDEN**  
Navigation Protection Program / Programme de protection de la navigation

**ISSUED FOR PRICING**  
**NOT FOR CONSTRUCTION**

DRAWING NOT FOR CONSTRUCTION  
COMPONENT SECTIONS SIZES ON HOLD PENDING RESULTS OF THE REVIEW OF MAY 2019.

Scale: 0 1m 250mm, 0 1m 0.5m, 1:20, 1:15, 1:10

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

NO.	REVISIONS	DATE	DESIGNED	INSP	CHK	REV	ACPT
P1	ISSUED FOR PRICING	24 MAY 2019	AG				
A	ISSUED FOR BC HYDRO REVIEW	06 MAY 2019	AG				

DISCH	AG	GY	AO	AG	AG	AG	AG	AG	AG	AG	AG	AG	AG	AG	AG	AG	AG	AG	AG	AG

DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE

**nhc** **GEA** **BC Hydro**

CLEAN ENERGY PROJECT - SITE C  
DEBRIS MANAGEMENT  
MOBERLY DEBRIS PILES

DEBRIS PILES  
SECTIONS AND DETAILS

DATE: 02MAY2019

SIZE: A0

P1





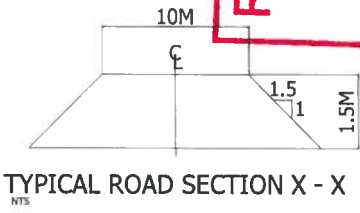
NOTES:

Feature Code	Northing	Easting
PILE 101	6229996.925	628306.723
PILE 102	6230003.820	628304.649
PILE 103	6230010.715	628302.575
PILE 104	6230017.609	628300.501
PILE 105	6230024.504	628298.427
PILE 106	6230031.399	628296.353
PILE 107	6230038.294	628294.279
PILE 108	6230045.189	628292.205
PILE 109	6230052.084	628290.131
PILE 110	6230058.978	628288.057
PILE 111	6230065.873	628285.983
PILE 112	6230072.768	628283.909
PILE 113	6230079.663	628281.835
PILE 114	6230086.558	628279.761
PILE 115	6230093.453	628277.687
PILE 116	6230100.347	628275.613
PILE 117	6230107.242	628273.539
PILE 118	6230114.137	628271.465
PILE 119	6230121.032	628269.391
PILE 120	6230127.927	628267.317
PILE 121	6230134.822	628265.243
PILE 122	6230141.717	628263.169
PILE 123	6230148.612	628261.095
PILE 124	6230155.507	628259.021
PILE 125	6230162.402	628256.947
PILE 126	6230171.300	628254.873
PILE 127	6230180.197	628252.799
PILE 128	6230189.094	628250.725
PILE 129	6230197.991	628248.651
PILE 130	6230206.888	628246.577
PILE 131	6230215.785	628244.503
PILE 132	6230224.682	628242.429
PILE 133	6230233.579	628240.355
PILE 134	6230242.476	628238.281
PILE 135	6230251.373	628236.207
PILE 136	6230260.270	628234.133
PILE 137	6230269.167	628232.059
PILE 138	6230278.064	628229.985
PILE 139	6230286.961	628227.911
PILE 140	6230295.858	628225.837

Reviewed / Examine

Page 5 of 9  
2019-500365  
NOV 25 2019

By/par: **JOHN LEEDEN**  
Navigation Protection Program /  
Programme de protection de la navigation



REF. #	TITLE	REV. #	REMARK	DATE	DATE
	REFERENCES		REVISIONS		VERIFICATION

GENERAL CONTRACTOR

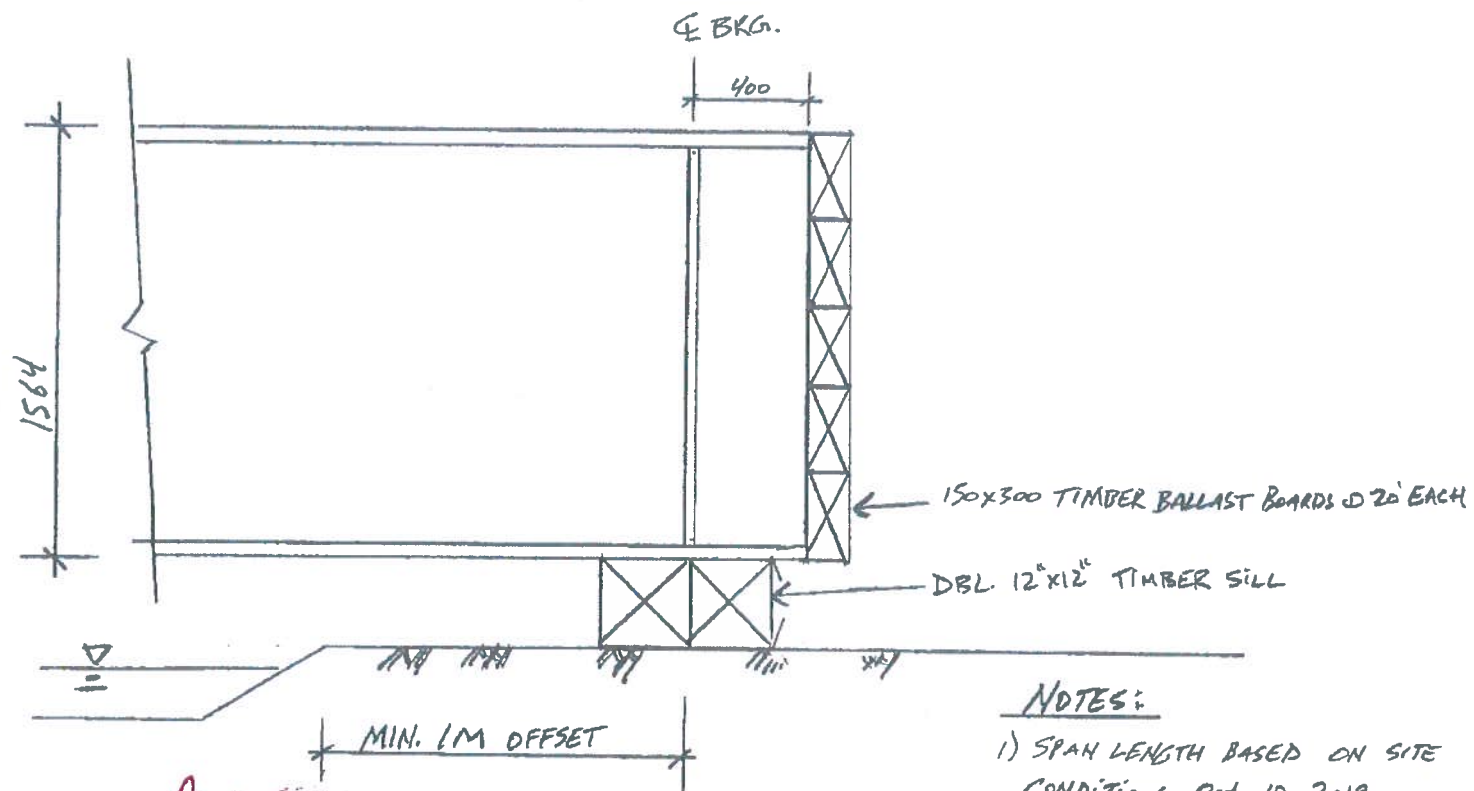
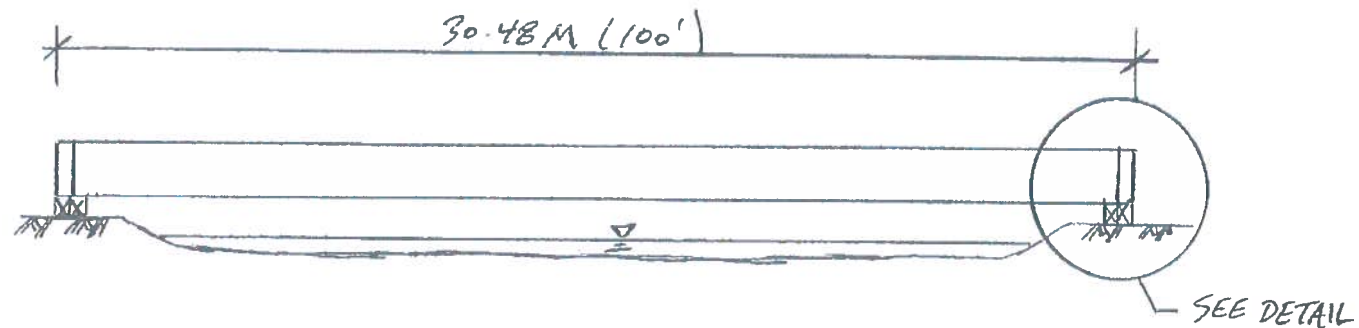
**BC Hydro** SITE C **CLEAN ENERGY PROJECT**

CLEAN ENERGY PROJECT – SITE C  
PILES STRUCTURE  
PROP MOBERLY DEBRIS CONTROL STRUCTURE  
PLAN

REF NO. REV. SIZE ANSI B

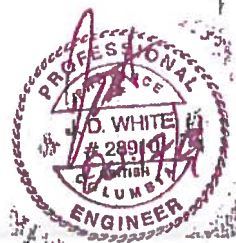


Proj.: MOBERLY PILES Customer: AFDE Date: Oct. 17/19  
Location: TEMP BRIDGE FDM Contact: \_\_\_\_\_ Page: 1 of 1



NOTES:

- 1) SPAN LENGTH BASED ON SITE CONDITIONS Oct, 10, 2019.
- 2) ALL TIMBER D-FIR 16.2 or BETTER
- 3) NATURAL GROUND TO BE COMPACTED TO MIN 100 KPa BRG CAPACITY PRIOR TO TIMBER SILL INSTALL
- 4) REFER TO RAPID SPAN DWA'S # 000-GEN-01 THRU 0062-WT 01 FOR SUPER STRUCTURE DETAILS



**Reviewed / Examiné**

Page 6 of 9

2019-500365

NOV 25 2019

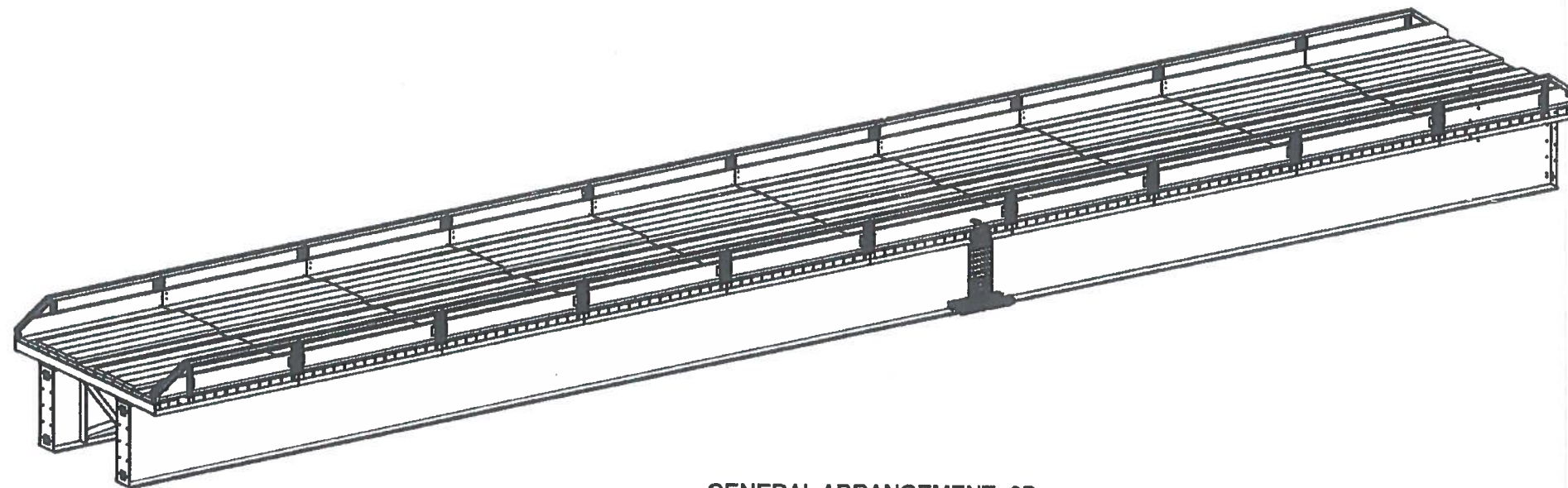
By/par: **JONN LEEDEN**

Navigation Protection Program /  
Programme de protection de la navigation



**BILL OF MATERIALS - JOB # 7571**

ITEM	QTY	DESCRIPTION OR NAME	SIZE	WEIGHT
SS1	1	STEEL SUPERSTRUCTURE	1586 x 2900 x 18305	34821.7
SS2	1	STEEL SUPERSTRUCTURE	1589 x 2900 x 12777	24746.0
HSS1	4	DECK STOP	HSS178x178x6.4x320	88.2
WT2	1	LATERAL BRACE DIAGONAL	WT125x16.35 x 2324	84.1
78F214	4	ASTM A325-3 BOLT ASSEMBLY	7/8" DIA. x 2 1/4" LONG	3.6
78F234	168	ASTM A325-3 BOLT ASSEMBLY	7/8" DIA. x 2 3/4" LONG	166.7
78F312	12	ASTM A325-3 BOLT ASSEMBLY	7/8" DIA. x 3 1/2" LONG	13.2
78F3	8	ASTM A325-3 BOLT ASSEMBLY	7/8" DIA. x 3" LONG	8.3
78F434	144	ASTM A325-3 BOLT ASSEMBLY	7/8" DIA. x 4 3/4" LONG	190.5



**GENERAL ARRANGEMENT -3D**  
1:100

**Reviewed / Examiné**

Page 7 of 9  
2019-500365  
NOV 7 5 2019


By/par: **JOHN LEEDEN**

Navigation Protection Program /  
Programme de protection de la navigation



pg. 44

REV	DATE	DESCRIPTION	DRAWN	CHK
0	JUN 15, 2017	ISSUED FOR CONSTRUCTION	JN	
A	JUN 14, 2017	PRELIMINARY	JN	RR



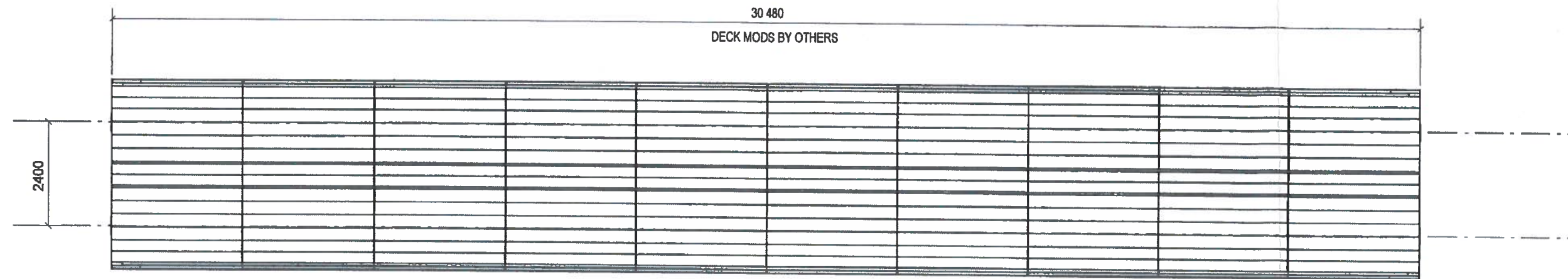
**RAPID-SPAN**

www.rapidspan.com      1-800-661-2047

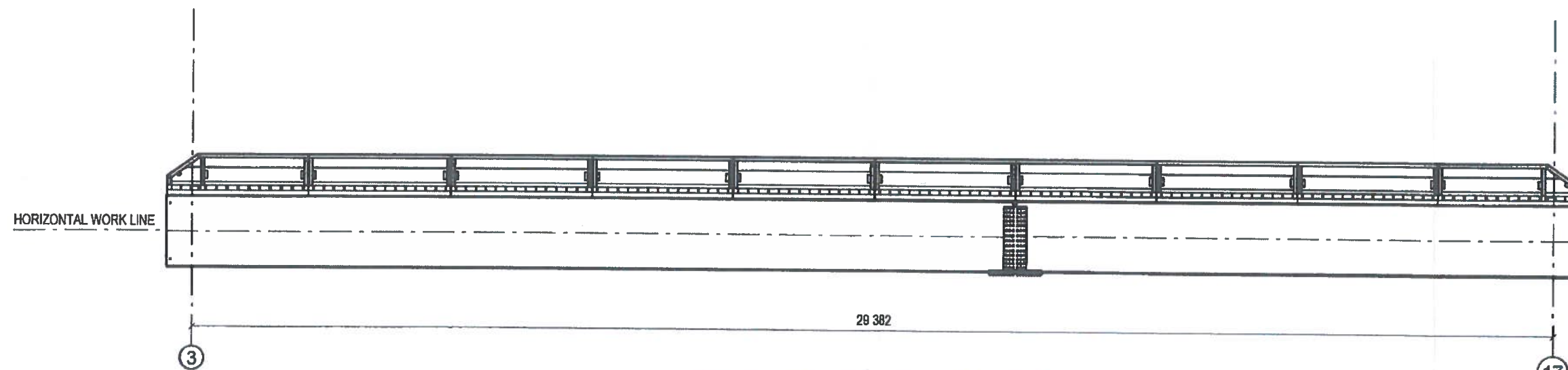
NOTICE: THIS DRAWING HAS NOT BEEN PUBLISHED AND IS THE SOLE PROPERTY OF RAPID-SPAN STRUCTURES LTD AND IS LENT TO THE BORROWER FOR HIS CONFIDENTIAL USE ONLY; AND IN CONSIDERATION OF THE LOAN OF THIS DRAWING, THE BORROWER PROMISES AND AGREES TO RETURN IT UPON REQUEST AND AGREES THAT IT SHALL NOT BE REPRODUCED, COPIED, LENT OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY, NOR USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT WAS FURNISHED.

PROJECT: <b>FORMULA CONTRACTING LTD. 30.48 METER L100 OILFIELD PORTABLE STEEL SUPERSTRUCTURE ONLY</b>			
TITLE: <b>3D SHIPPING PAGE</b>			
ENGINEERED BY: AE	DRAWN BY: J NAVRATIL	JOB No: 7571	DRAWING No: 020-GEN-01
			REV ▲





GENERAL ARRANGEMENT - PLAN VIEW  
1:100




GENERAL ARRANGEMENT - ELEVATION  
1:100

Noted / Examined  
 8 of 10  
 2019-500365  
 NOV 25 2019  
 By/par: JONN LEEDEN  
 Navigation Protection Program /  
 Programme de protection de la navigation



pg. 45

REV	DATE	DESCRIPTION	DRAWN	CHK
0	JUN 15, 2017	ISSUED FOR CONSTRUCTION	JN	
A	JUN 14, 2017	PRELIMINARY	JN	RR

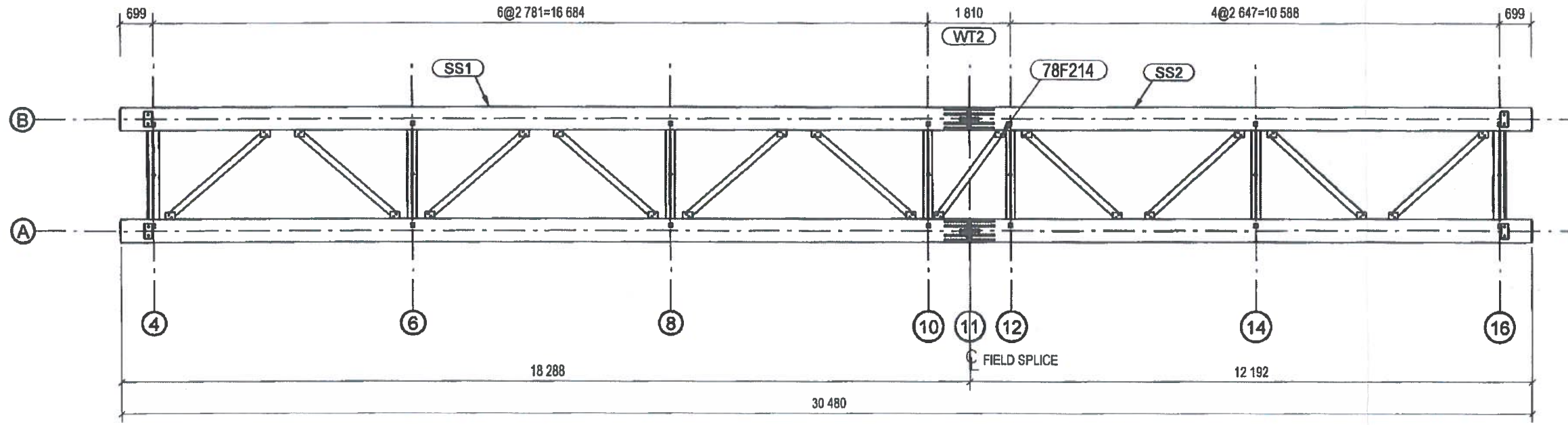


www.rapidspan.com      1-800-661-2047

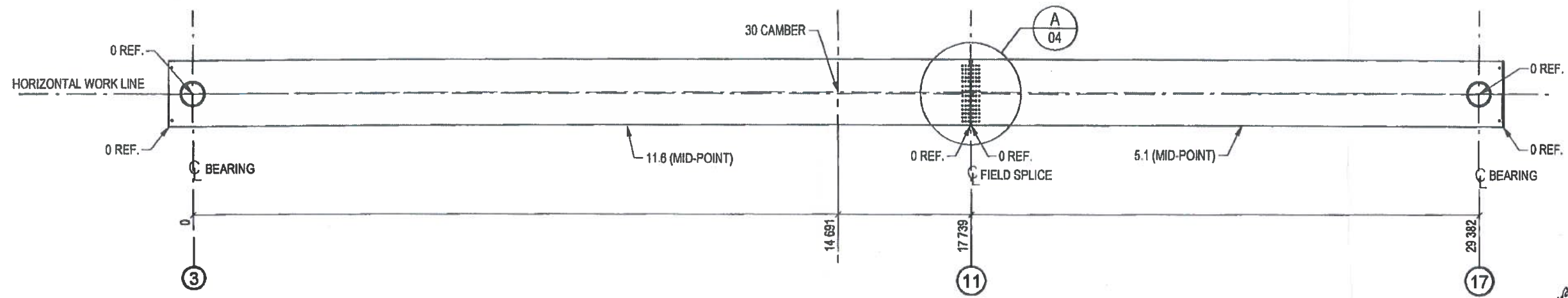
NOTICE: THIS DRAWING HAS NOT BEEN PUBLISHED AND IS THE SOLE PROPERTY OF RAPID-SPAN STRUCTURES LTD AND IS LENT TO THE BORROWER FOR HIS CONFIDENTIAL USE ONLY; AND IN CONSIDERATION OF THE LOAN OF THIS DRAWING, THE BORROWER PROMISES AND AGREES TO RETURN IT UPON REQUEST AND AGREES THAT IT SHALL NOT BE REPRODUCED, COPIED, LENT OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY, NOR USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT WAS FURNISHED.

PROJECT: FORMULA CONTRACTING LTD. 30.48 METER L100 OILFIELD PORTABLE STEEL SUPERSTRUCTURE ONLY				
TITLE: GENERAL ARRANGEMENT				
ENGINEERED BY: AE	DRAWN BY: J NAVRATIL	JOB No: 7571	DRAWING No: 020-GEN-02	REV A



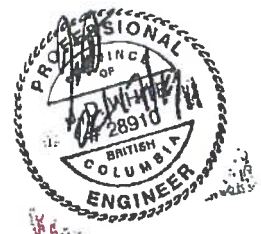


STEEL SUPERSTRUCTURE - PLAN VIEW  
1:100



STEEL SUPERSTRUCTURE - ELEVATION VIEW  
1:100

**Reviewed / Examiné**  
 Page 9 of 10  
 209-500-365  
 NOV 7 5 2019  
 By/par: **JOHN LEEDEN**  
 Navigation Protection Program /  
 Programme de protection de la navigation



pg. 46

REV	DATE	DESCRIPTION	DRAWN	CHK
0	JUN 15, 2017	ISSUED FOR CONSTRUCTION	JN	
A	JUN 14, 2017	PRELIMINARY	JN	RR



NOTICE: THIS DRAWING HAS NOT BEEN PUBLISHED AND IS THE SOLE PROPERTY OF RAPID-SPAN STRUCTURES LTD AND IS LENT TO THE BORROWER FOR HIS CONFIDENTIAL USE ONLY; AND IN CONSIDERATION OF THE LOAN OF THIS DRAWING, THE BORROWER PROMISES AND AGREES TO RETURN IT UPON REQUEST AND AGREES THAT IT SHALL NOT BE REPRODUCED, COPIED, LENT OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY, NOR USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT WAS FURNISHED.

PROJECT: FORMULA CONTRACTING LTD. 30.48 METER L100 OILFIELD PORTABLE STEEL SUPERSTRUCTURE ONLY				
TITLE: STEEL SUPERSTRUCTURE LAYOUT				
ENGINEERED BY: AE	DRAWN BY: J NAVRATIL	JOB No: 7571	DRAWING No: 020-GEN-03	REV A