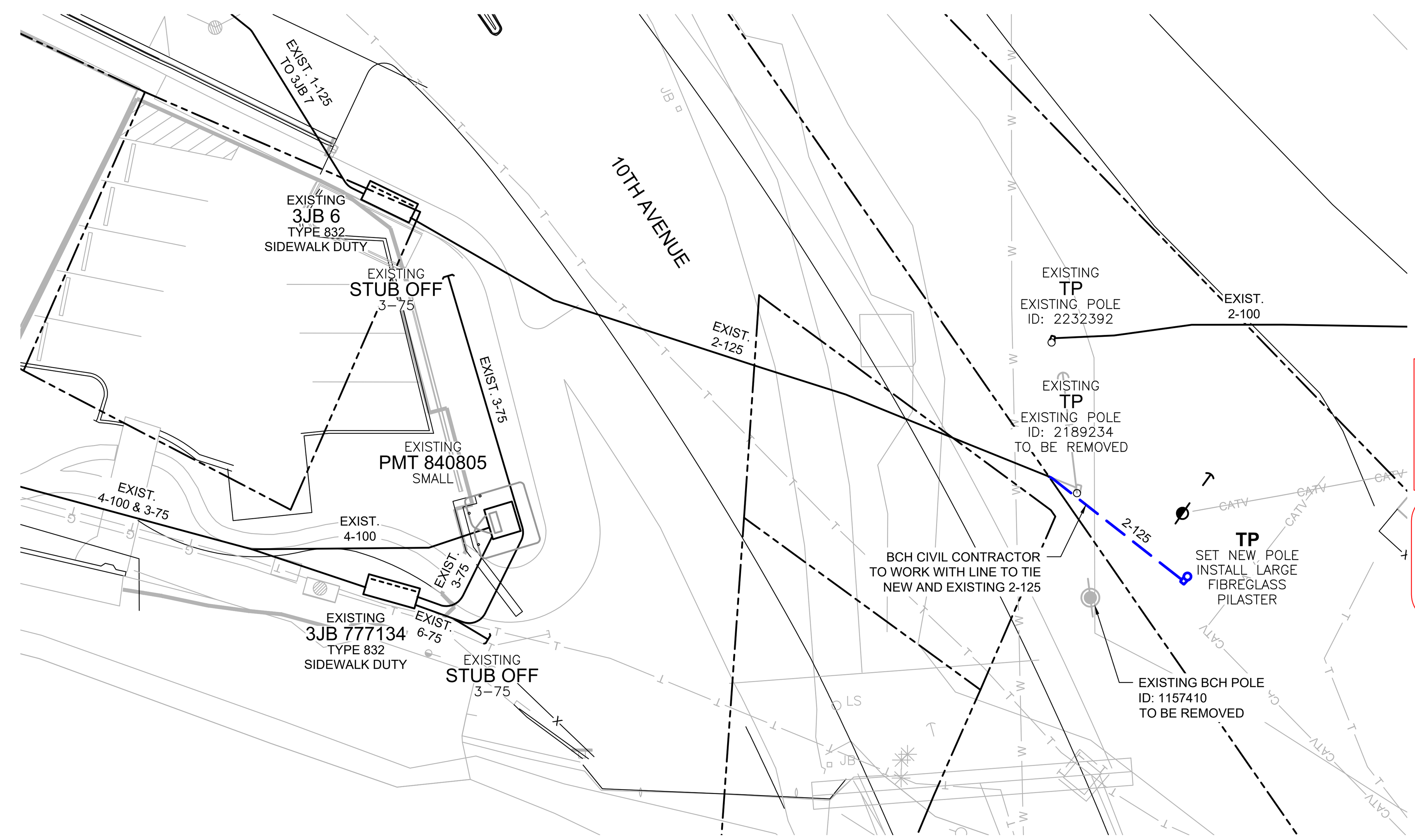


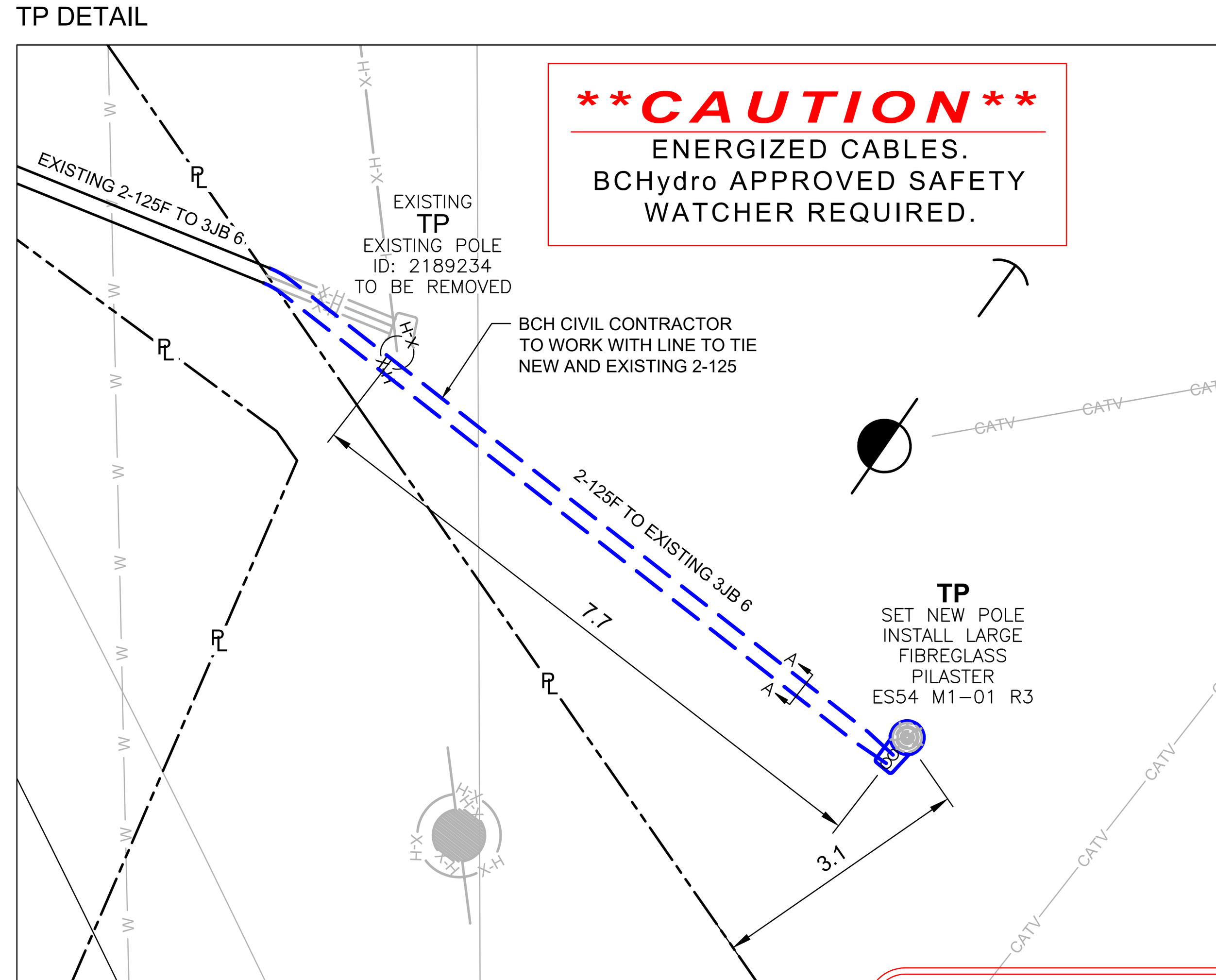
PLAN
PHASE 1

SCALE: 1:250 — 0 — 10m

CAUTION
ENERGIZED CABLES. BCHydro APPROVED SAFETY WATCHER REQUIRED.

** CAUTION **
ADDITIONAL POLE STABILITY MAY BE REQUIRED https://www.bchydro.com/accounts-billing/electrical-connections/distribution-standards.html ES55 E3-04 GUIDE FOR CIVIL EXCAVATION NEAR DISTRIBUTION POLES

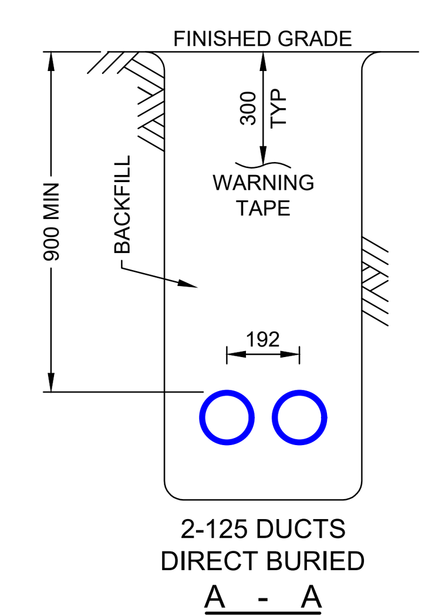
TP DETAIL



CAUTION
ENERGIZED CABLES. BCHydro APPROVED SAFETY WATCHER REQUIRED.

DETAILS
N.T.S

** CAUTION **
ADDITIONAL POLE STABILITY MAY BE REQUIRED https://www.bchydro.com/accounts-billing/electrical-connections/distribution-standards.html ES55 E3-04 GUIDE FOR CIVIL EXCAVATION NEAR DISTRIBUTION POLES



TRENCH DETAILS
N.T.S

UNDERGROUND UTILITY CHECKS	
	Within 1m of Plant Location (as per Design BC 1 Call) Y/N
Gas	
Water	Y
Sanitary Sewer	
Storm Sewer	Y
Telephone	Y
Cable	Y
Electrical	Y
Other	Shaw - Yes
Design BC 1 Call #	20230408146
Construction BC 1 Call #	
Construction BC 1 Call Renewal Date	

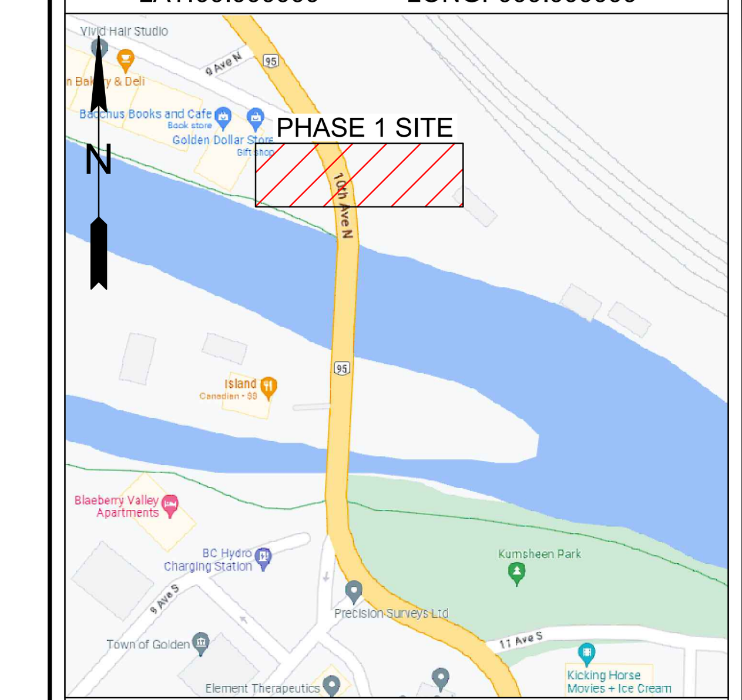
For Mechanical Excavation within 1 metre of plant, utilities must be exposed by hand digging, unless the utility / pipeline owner requested a different excavation method.

Design BC 1 Call Ticket number valid for planning purposes only. Ticket refresh by a Construction BC 1 Call must be completed.

ISSUED FOR CONSTRUCTION

DISCLAIMER

LAT:99.999999 LONG:-999.999999



WORK LOCATION N.T.S.

BC ONE CALL

CALL BEFORE YOU DIG
1-800-474-6886

CALL AT LEAST 3 FULL WORKING DAYS BEFORE YOU PLAN TO DIG

CIVIL SPEC. 1323 NOTES:

1. BC HYDRO UNDERGROUND CIVIL INSPECTOR MUST BE NOTIFIED 48 HOURS PRIOR TO CONSTRUCTION.
2. ALL WORK TO BE PERFORMED IN ACCORDANCE WITH CLASS OF WORK SPECIFICATION 1323 AND BC HYDRO UNDERGROUND DISTRIBUTION ENGINEERING STANDARDS SERIES ES53 AND ES54.
3. ANY CHANGES NEED TO HAVE PRIOR APPROVAL OF BC HYDRO CIVIL INSPECTOR.
4. UNLESS OTHERWISE NOTED ON TRENCH DETAILS OR REQUIRED PER ES 54 H0-02.02, ALL CONDUIT INSTALLATION FOR BC HYDRO ON PUBLIC OR PRIVATE PROPERTY SHOULD HAVE MIN. 0.9m COVER AND ANY FACTORY BEND MUST HAVE A MIN. RADIUS OF 0.9m.
5. ALL UTILITIES (EXCEPT TELUS) MUST MAINTAIN A 0.9m HORIZONTAL AND 0.3m VERTICAL SEPARATION FROM BC HYDRO DUCT UNLESS DIRECTED OTHERWISE BY BC HYDRO CIVIL INSPECTOR.
6. OTHER UTILITIES SHOWN ON THE CIVIL DRAWING ARE FOR REFERENCE ONLY. PROVE LOCATION OF ALL UTILITIES IN THE WORK AREA BEFORE CONSTRUCTION. FOR CURRENT INFORMATION CONTACT BC ONE CALL.
7. ALL OFFSETS INDICATE CENTERLINE OF BC HYDRO PLANT.
8. METRES EXPRESSED IN DECIMALS, MILLIMETRES IN WHOLE NUMBERS.
9. TRANSFORMER MUST BE A MIN. OF 1.5m BEHIND NON-MOUNTABLE CURB OR PROTECTED. FINAL NUMBER AND LOCATION OF PROTECTION POSTS TO BE DETERMINED IN THE FIELD BY BC HYDRO CIVIL INSPECTOR.
10. FOR TRANSFORMER PAD COUNTERPOISE CLEARANCES TO OTHER UTILITIES AND UNDERGROUND CONDUCTIVE SURFACES, SEE ES54.
11. MIN. OFFSET FOR BC HYDRO DUCTS, IN JOINT TRENCH, FROM PROPERTY LINE IS 1.2m, UNLESS OTHERWISE NOTED.
12. STUB SERVICE DUCT 1.0m FROM PROPERTY CORNER AND 1.0m INTO THE LOT UNLESS OTHERWISE NOTED.
13. IT IS THE RESPONSIBILITY OF THE RESOURCE THAT IS PERFORMING THE INSTALLATION OF THE PROPOSED CIVIL WORKS TO PROVIDE BC HYDRO WITH A RECORD DRAWING(S) OF THE CONSTRUCTION. THE RECORD DRAWING(S) MUST BE RECEIVED AND ACCEPTED BEFORE ELECTRICAL WORK WILL COMMENCE.

CUSTOM NOTES HERE IF REQUIRED

ENGINEERING NOTES

UNLESS NOTED OTHERWISE, ENGINEERING CONTENT ON THIS DRAWING HAS BEEN PRODUCED FOLLOWING A DOCUMENTED BC HYDRO QUALITY MANAGEMENT PROCESS USING BC HYDRO ENGINEERING STANDARDS AUTHENTICATED BY PROFESSIONALS OF RECORD UNDER PERMIT TO PRACTICE NUMBER 1002449

CIVIL PLAN LEGEND:

BC HYDRO RESPONSIBILITY		CUSTOMER RESPONSIBILITY
	NEW DUCT	
	EXISTING DUCT	
	FIELD COMPLETED DUCT	
	SERVICE BOX	
	TERMINAL POLE	
	LOW PROFILE TRANSFORMER (LPT-PYRAMID PAD)	
	LOW PROFILE TRANSFORMER (LPT)	
	PAD MOUNT TRANSFORMER (PMT)	
	3Ø & 1Ø JUNCTION & PULL BOXES (332, 632, 832 & 1232)	
	PRECAST MANHOLE	
	VISTA SWITCH SUBMERSIBLE (VSWB)	
	VISTA SWITCH ABOVE GROUND (VSWA)	

REFER TO ES53 AND ES54 UNDERGROUND STANDARDS

NO	DRAWING NUMBER	DRAWING TITLE
REFERENCE DRAWINGS		

NO	REMARKS
1	DESIGN: 0004317755 - ISSUED FOR CONSTRUCTION
0	DESIGN: 0004317755 - NEW DRAWING
REVISIONS	

DESIGN NUMBER	0004317755
WORK ORDER NUMBER	02353196
CSA S250 ACCURACY NAD 83 - 10UTM	
BASE ACCURACY LEVEL: 4 +/- 1000 mm	
ASB ACCURACY LEVEL: 4 +/- 1000 mm	

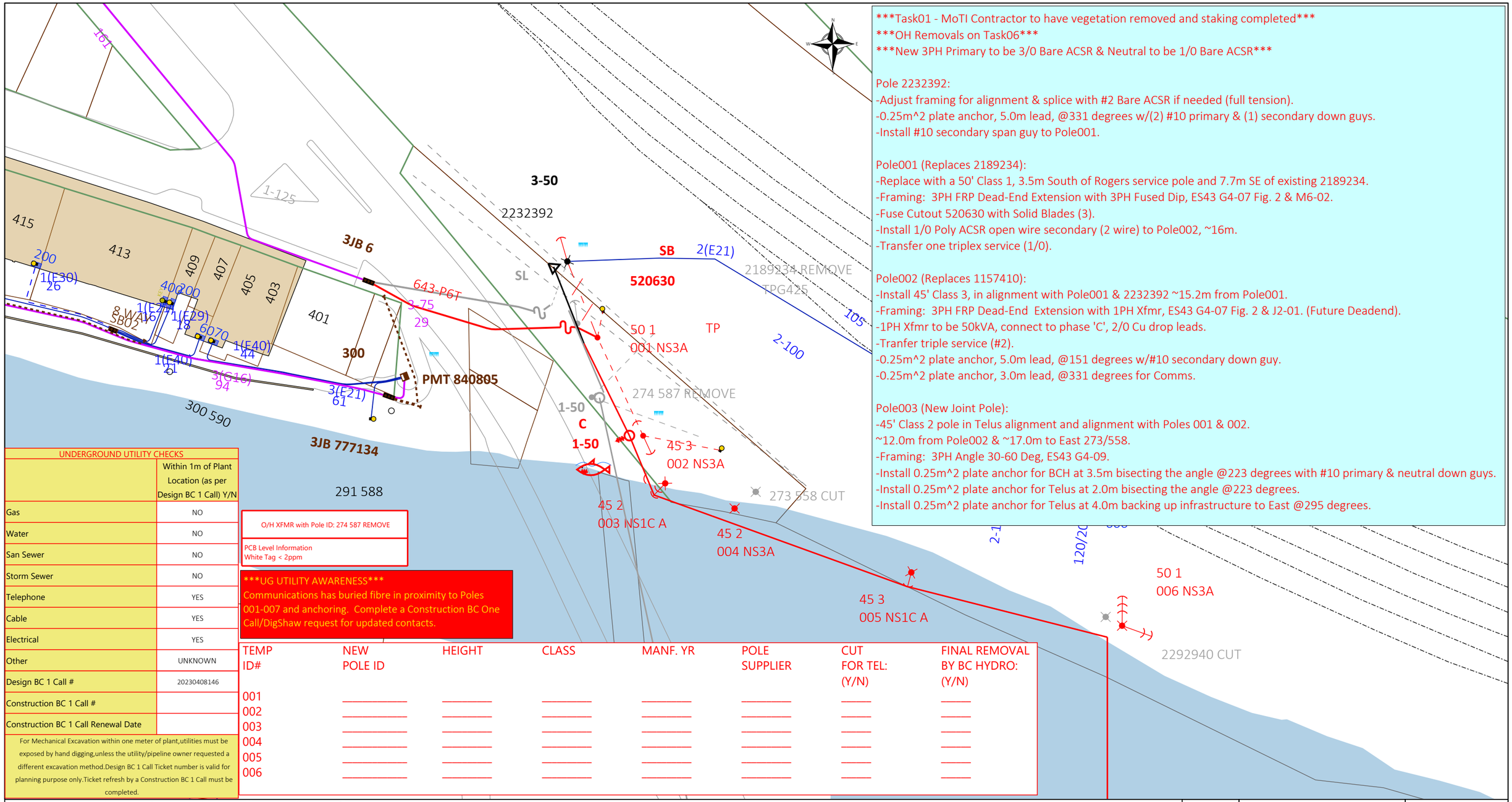
DSGN	J.FIDEL
INDEP CHK	
DFTG	K.COOPER
DFTG CHK	
INSP	
REV	
ACPT	

BC Hydro

SOUTH INTERIOR
GOLDEN POWER DISTRICT
UNDERGROUND DUCT AND STRUCTURES FOR
KICKING HORSE BRIDGE - OH LINE RELOCATION
10 AVENUE, 6 STREET N AND 9 STREET S, GOLDEN BC
SHEET 1 OF 4

DATE	DIST	DRAWING NUMBER	REPORT NUMBER	FIG NO	SIZE	REV
2023OCT12		152-U07-07031			D	1

C:\Users\kdcooper\AppData\Roaming\McLaren\Enterprise\E76DA021\Content\Checkout\152-U07-07031_BCC6.1.dwg
Drawing Unit = Metric (6)
COOPER, KIMBERLY
10/12/2023 1:33 PM



Task01 - MoTI Contractor to have vegetation removed and staking completed
OH Removals on Task06
New 3PH Primary to be 3/0 Bare ACSR & Neutral to be 1/0 Bare ACSR

Pole 2232392:
-Adjust framing for alignment & splice with #2 Bare ACSR if needed (full tension).
-0.25m^2 plate anchor, 5.0m lead, @331 degrees w/(2) #10 primary & (1) secondary down guys.
-Install #10 secondary span guy to Pole001.

Pole001 (Replaces 2189234):
-Replace with a 50' Class 1, 3.5m South of Rogers service pole and 7.7m SE of existing 2189234.
-Framing: 3PH FRP Dead-End Extension with 3PH Fused Dip, ES43 G4-07 Fig. 2 & M6-02.
-Fuse Cutout 520630 with Solid Blades (3).
-Install 1/0 Poly ACSR open wire secondary (2 wire) to Pole002, ~16m.
-Transfer one triplex service (1/0).

Pole002 (Replaces 1157410):
-Install 45' Class 3, in alignment with Pole001 & 2232392 ~15.2m from Pole001.
-Framing: 3PH FRP Dead-End Extension with 1PH Xfmr, ES43 G4-07 Fig. 2 & J2-01. (Future Deadend).
-1PH Xfmr to be 50kVA, connect to phase 'C', 2/0 Cu drop leads.
-Tranfer triple service (#2).
-0.25m^2 plate anchor, 5.0m lead, @151 degrees w/#10 secondary down guy.
-0.25m^2 plate anchor, 3.0m lead, @331 degrees for Comms.

Pole003 (New Joint Pole):
-45' Class 2 pole in Telus alignment and alignment with Poles 001 & 002.
~12.0m from Pole002 & ~17.0m to East 273/558.
-Framing: 3PH Angle 30-60 Deg, ES43 G4-09.
-Install 0.25m^2 plate anchor for BCH at 3.5m bisecting the angle @223 degrees with #10 primary & neutral down guys.
-Install 0.25m^2 plate anchor for Telus at 2.0m bisecting the angle @223 degrees.
-Install 0.25m^2 plate anchor for Telus at 4.0m backing up infrastructure to East @295 degrees.

UNDERGROUND UTILITY CHECKS	Within 1m of Plant Location (as per Design BC 1 Call) Y/N
Gas	NO
Water	NO
San Sewer	NO
Storm Sewer	NO
Telephone	YES
Cable	YES
Electrical	YES
Other	UNKNOWN
Design BC 1 Call #	20230408146
Construction BC 1 Call #	
Construction BC 1 Call Renewal Date	

For Mechanical Excavation within one meter of plant,utilities must be exposed by hand digging,unless the utility/pipeline owner requested a different excavation method.Design BC 1 Call Ticket number is valid for planning purpose only.Ticket refresh by a Construction BC 1 Call must be completed.

O/H XFMR with Pole ID: 274 587 REMOVE

PCB Level Information
White Tag < 2ppm

UG UTILITY AWARENESS
Communications has buried fibre in proximity to Poles 001-007 and anchoring. Complete a Construction BC One Call/DigShaw request for updated contacts.

TEMP ID#	NEW POLE ID	HEIGHT	CLASS	MANF. YR	POLE SUPPLIER	CUT FOR TEL: (Y/N)	FINAL REMOVAL BY BC HYDRO: (Y/N)
001							
002							
003							
004							
005							
006							

0m 10m 20m 30m 40m 50m

SCALE 1:750

BC Hydro

Designer	JOSH FIDEL
Phone #	604 218-0297
	2023-10-13

BC Hydro Map: DVQ0C1
PA #: GDN 113134
CIRCUIT 2553 GDN 2551 GDN
DWG #: 152-U07-07031
Lat/Long: 51.29906552 , -116.9631106

REFERENCE DRAWINGS

Crew As-Constructed Notes

Date Complete (YY-MM-DD) :
Crew Lead Name:
Any Changes (circle one) : Yes No
☐ Design / Job Updates ☐ Other Drawing Corrections

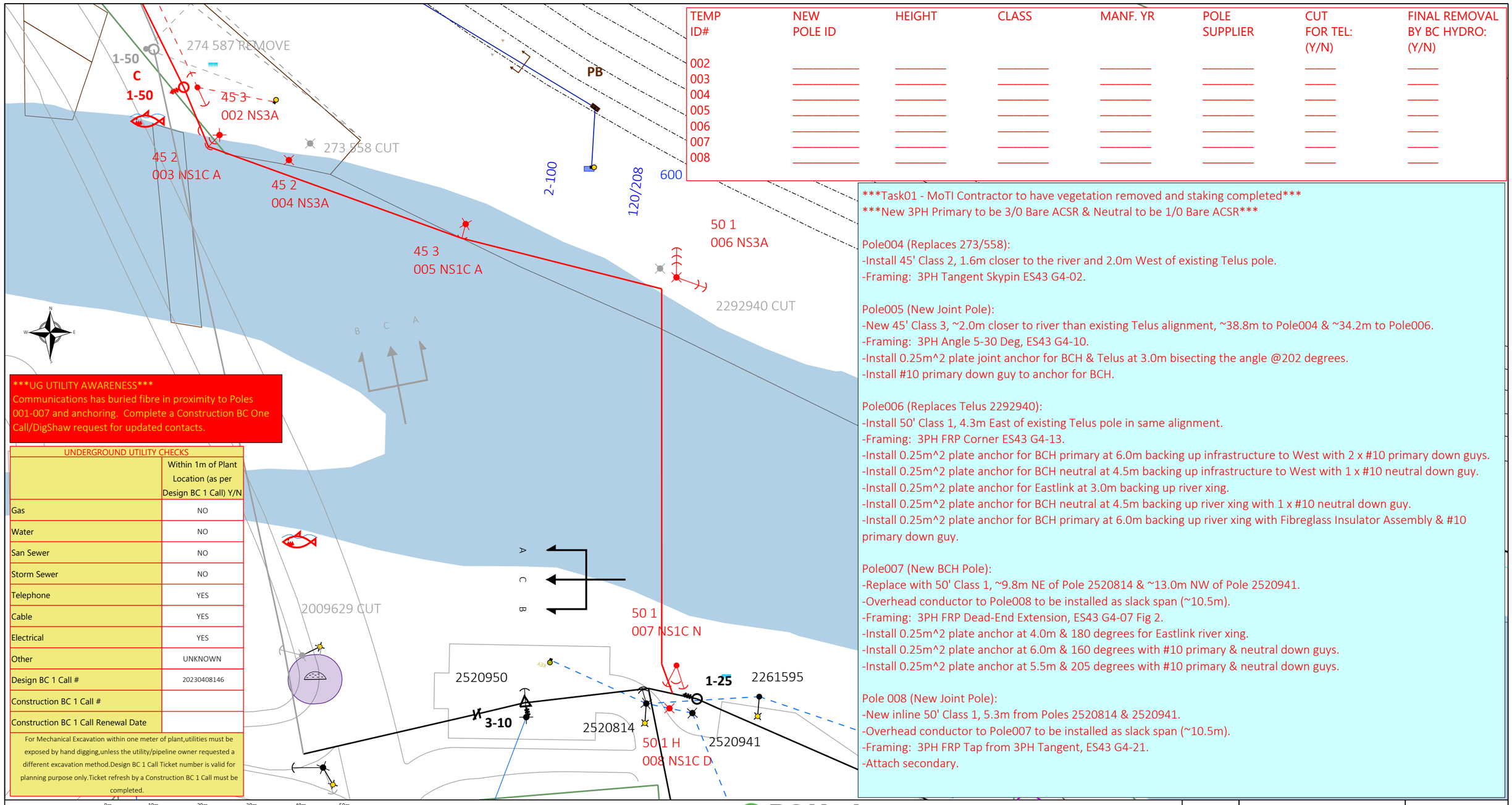
Crew Notes

Unless noted otherwise, engineering content on this drawing has been produced following a documented BC HYDRO quality management process under Permit to Practice Number 1002449 using BC Hydro engineering standards authenticated by Professionals of Record under Permit to Practice Number 102449.

Title: MOTI Kicking Horse River Bridge Relocation

Design #: 0004317755 WO #: 02353196

Page 1	Design: Construction	TSK 01



TEMP ID#	NEW POLE ID	HEIGHT	CLASS	MANF. YR	POLE SUPPLIER	CUT FOR TEL: (Y/N)	FINAL REMOVAL BY BC HYDRO: (Y/N)
002							
003							
004							
005							
006							
007							
008							

Task01 - MoTI Contractor to have vegetation removed and staking completed
New 3PH Primary to be 3/0 Bare ACSR & Neutral to be 1/0 Bare ACSR

Pole004 (Replaces 273/558):
-Install 45' Class 2, 1.6m closer to the river and 2.0m West of existing Telus pole.
-Framing: 3PH Tangent Skypin ES43 G4-02.

Pole005 (New Joint Pole):
-New 45' Class 3, ~2.0m closer to river than existing Telus alignment, ~38.8m to Pole004 & ~34.2m to Pole006.
-Framing: 3PH Angle 5-30 Deg, ES43 G4-10.
-Install 0.25m^2 plate joint anchor for BCH & Telus at 3.0m bisecting the angle @202 degrees.
-Install #10 primary down guy to anchor for BCH.

Pole006 (Replaces Telus 2292940):
-Install 50' Class 1, 4.3m East of existing Telus pole in same alignment.
-Framing: 3PH FRP Corner ES43 G4-13.
-Install 0.25m^2 plate anchor for BCH primary at 6.0m backing up infrastructure to West with 2 x #10 primary down guys.
-Install 0.25m^2 plate anchor for BCH neutral at 4.5m backing up infrastructure to West with 1 x #10 neutral down guy.
-Install 0.25m^2 plate anchor for Eastlink at 3.0m backing up river xing.
-Install 0.25m^2 plate anchor for BCH neutral at 4.5m backing up river xing with 1 x #10 neutral down guy.
-Install 0.25m^2 plate anchor for BCH primary at 6.0m backing up river xing with Fibreglass Insulator Assembly & #10 primary down guy.

Pole007 (New BCH Pole):
-Replace with 50' Class 1, ~9.8m NE of Pole 2520814 & ~13.0m NW of Pole 2520941.
-Overhead conductor to Pole008 to be installed as slack span (~10.5m).
-Framing: 3PH FRP Dead-End Extension, ES43 G4-07 Fig 2.
-Install 0.25m^2 plate anchor at 4.0m & 180 degrees for Eastlink river xing.
-Install 0.25m^2 plate anchor at 6.0m & 160 degrees with #10 primary & neutral down guys.
-Install 0.25m^2 plate anchor at 5.5m & 205 degrees with #10 primary & neutral down guys.

Pole 008 (New Joint Pole):
-New inline 50' Class 1, 5.3m from Poles 2520814 & 2520941.
-Overhead conductor to Pole007 to be installed as slack span (~10.5m).
-Framing: 3PH FRP Tap from 3PH Tangent, ES43 G4-21.
-Attach secondary.

UG UTILITY AWARENESS
Communications has buried fibre in proximity to Poles 001-007 and anchoring. Complete a Construction BC One Call/DigShaw request for updated contacts.

UNDERGROUND UTILITY CHECKS	Within 1m of Plant Location (as per Design BC 1 Call) Y/N
Gas	NO
Water	NO
San Sewer	NO
Storm Sewer	NO
Telephone	YES
Cable	YES
Electrical	YES
Other	UNKNOWN
Design BC 1 Call #	20230408146
Construction BC 1 Call #	
Construction BC 1 Call Renewal Date	

For Mechanical Excavation within one meter of plant,utilities must be exposed by hand digging,unless the utility/pipeline owner requested a different excavation method.Design BC 1 Call Ticket number is valid for planning purpose only.Ticket refresh by a Construction BC 1 Call must be completed.

SCALE 1:750

BC Hydro

Designer	JOSH FIDEL
Phone #	604 218-0297
	2023-10-13

BC Hydro Map: DVQ0C1
PA #: GDN 113134
CIRCUIT 2553 GDN 2551 GDN
DWG #: NONE
Lat/Long: 51.29836058 , -116.9618994

REFERENCE DRAWINGS

Crew As-Constructed Notes

Date Complete (YY-MM-DD) :
Crew Lead Name:
Any Changes (circle one) : Yes No
☐ Design / Job Updates ☐ Other Drawing Corrections

Crew Notes

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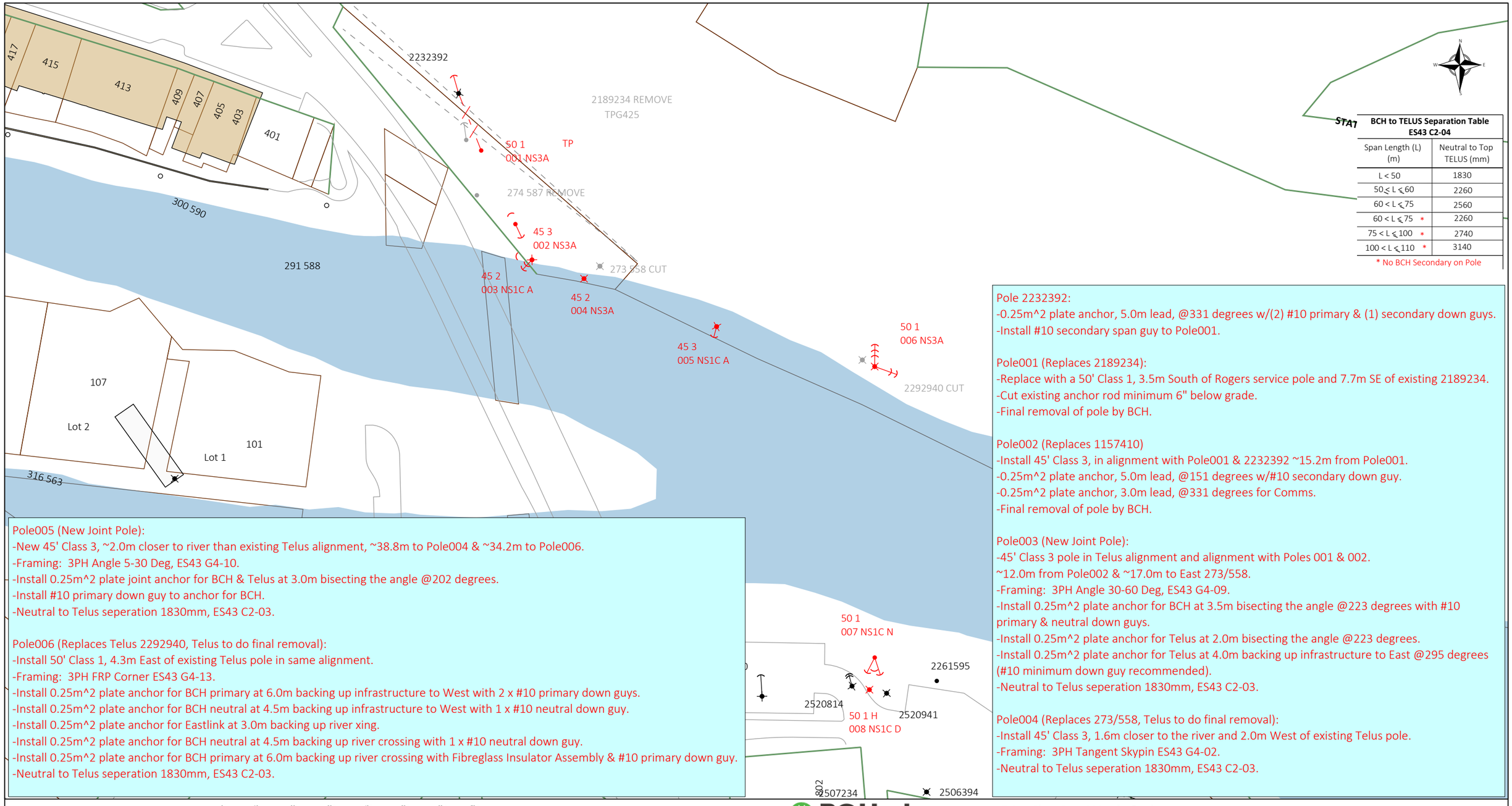
Title: MOTI Kicking Horse River Bridge Relocation

Design #: 0004317755 WO #: 02353196

Page 2	Design: Construction	TSK 01



BCH to TELUS Separation Table ES43 C2-04	
Span Length (L) (m)	Neutral to Top TELUS (mm)
L < 50	1830
50 ⩽ L ⩽ 60	2260
60 < L ⩽ 75	2560
60 < L ⩽ 75 *	2260
75 < L ⩽ 100 *	2740
100 < L ⩽ 110 *	3140

* No BCH Secondary on Pole

Pole 2232392:
-0.25m^2 plate anchor, 5.0m lead, @331 degrees w/(2) #10 primary & (1) secondary down guys.
-Install #10 secondary span guy to Pole001.

Pole001 (Replaces 2189234):
-Replace with a 50' Class 1, 3.5m South of Rogers service pole and 7.7m SE of existing 2189234.
-Cut existing anchor rod minimum 6" below grade.
-Final removal of pole by BCH.

Pole002 (Replaces 1157410)
-Install 45' Class 3, in alignment with Pole001 & 2232392 ~15.2m from Pole001.
-0.25m^2 plate anchor, 5.0m lead, @151 degrees w/#10 secondary down guy.
-0.25m^2 plate anchor, 3.0m lead, @331 degrees for Comms.
-Final removal of pole by BCH.

Pole003 (New Joint Pole):
-45' Class 3 pole in Telus alignment and alignment with Poles 001 & 002.
~12.0m from Pole002 & ~17.0m to East 273/558.
-Framing: 3PH Angle 30-60 Deg, ES43 G4-09.
-Install 0.25m^2 plate anchor for BCH at 3.5m bisecting the angle @223 degrees with #10 primary & neutral down guys.
-Install 0.25m^2 plate anchor for Telus at 2.0m bisecting the angle @223 degrees.
-Install 0.25m^2 plate anchor for Telus at 4.0m backing up infrastructure to East @295 degrees (#10 minimum down guy recommended).
-Neutral to Telus seperation 1830mm, ES43 C2-03.

Pole004 (Replaces 273/558, Telus to do final removal):
-Install 45' Class 3, 1.6m closer to the river and 2.0m West of existing Telus pole.
-Framing: 3PH Tangent Skypin ES43 G4-02.
-Neutral to Telus seperation 1830mm, ES43 C2-03.

Pole005 (New Joint Pole):
-New 45' Class 3, ~2.0m closer to river than existing Telus alignment, ~38.8m to Pole004 & ~34.2m to Pole006.
-Framing: 3PH Angle 5-30 Deg, ES43 G4-10.
-Install 0.25m^2 plate joint anchor for BCH & Telus at 3.0m bisecting the angle @202 degrees.
-Install #10 primary down guy to anchor for BCH.
-Neutral to Telus seperation 1830mm, ES43 C2-03.

Pole006 (Replaces Telus 2292940, Telus to do final removal):
-Install 50' Class 1, 4.3m East of existing Telus pole in same alignment.
-Framing: 3PH FRP Corner ES43 G4-13.
-Install 0.25m^2 plate anchor for BCH primary at 6.0m backing up infrastructure to West with 2 x #10 primary down guys.
-Install 0.25m^2 plate anchor for BCH neutral at 4.5m backing up infrastructure to West with 1 x #10 neutral down guy.
-Install 0.25m^2 plate anchor for Eastlink at 3.0m backing up river xing.
-Install 0.25m^2 plate anchor for BCH neutral at 4.5m backing up river crossing with 1 x #10 neutral down guy.
-Install 0.25m^2 plate anchor for BCH primary at 6.0m backing up river crossing with Fibreglass Insulator Assembly & #10 primary down guy.
-Neutral to Telus seperation 1830mm, ES43 C2-03.

0m 10m 20m 30m 40m 50m 60m 70m

SCALE 1:1000

BC Hydro

Distribution Work Order

Title: MOTI Kicking Horse River Bridge Relocation

Location: GOLDEN BC

Municipality: TOWN OF GOLDEN

Unless noted otherwise, engineering content on this drawing has been produced following a documented BC HYDRO quality management process under Permit to Practice Number 1002449 using BC Hydro engineering standards authenticated by Professionals of Record under Permit to Practice Number 102449.

Removed Pole Annotation 9999999 z or 999 999 z
where 9 = pole tag #
z = CUT (TELUS removes) or REMOVE (BCH removes) or ABANDON TO TELUS LEAVE POLE AT FULL HEIGHT

Approved:	Date:
Completed:	Date:

Installed Pole Annotation
aa b cdef
001 gShh j
where aa = pole size in feet
b = pole class
c, d, f = incremental height codes
001 = temporary pole id
g = N (on public) or
P (on private property)
Shh = billing reason code
j = ownership reason

Pole Plan: Municipality | Telus | MOTH

Designer: JOSH FIDEL Office: Vernon

Municipal Review

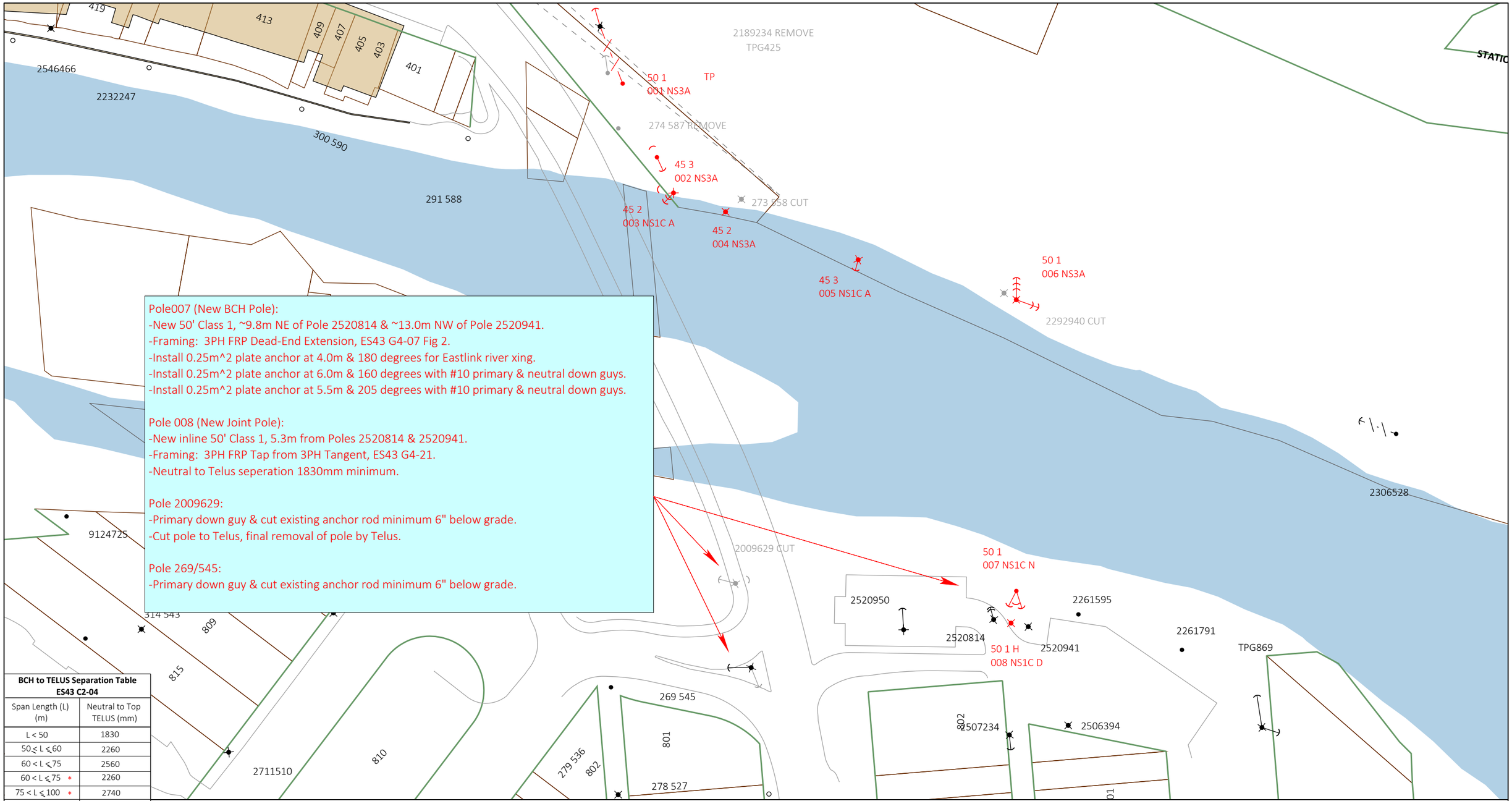
Design #: 0004317755

WO #: 02353196

Circuit ID:

Description: MOTI Kicking Horse River Bridge Phase 1

TELUS CLLI: GLDNBC01
PA #: GDN 113134
BC Hydro Map: DVQ0C1
Lat/Long: 51.29854019 , -116.9625717



BCH to TELUS Separation Table ES43 C2-04	
Span Length (L) (m)	Neutral to Top TELUS (mm)
L < 50	1830
50 ⩽ L ⩽ 60	2260
60 < L ⩽ 75	2560
60 < L ⩽ 75 *	2260
75 < L ⩽ 100 *	2740
100 < L ⩽ 110 *	3140

* No BCH Secondary on Pole

SCALE 1:1000

BC Hydro

Distribution Work Order

Title: MOTI Kicking Horse River Bridge Relocation

Location: GOLDEN BC

Municipality: TOWN OF GOLDEN

Unless noted otherwise, engineering content on this drawing has been produced following a documented BC HYDRO quality management process under Permit to Practice Number 1002449 using BC Hydro engineering standards authenticated by Professionals of Record under Permit to Practice Number 102449.

Removed Pole Annotation 9999999 z or 999 999 z
where 9 = pole tag #
z = CUT (TELUS removes) or REMOVE (BCH removes) or ABANDON TO TELUS LEAVE POLE AT FULL HEIGHT

Approved:	Date:
Completed:	Date:

Installed Pole Annotation
aa b cdef
001 gShh j
where aa = pole size in feet
b = pole class
c, d, f = incremental height codes
001 = temporary pole id
g = N (on public) or
P (on private property)
Shh = billing reason code
j = ownership reason

Pole Plan: Municipality | Telus | MOTH

Designer: JOSH FIDEL Office: Vernon

Municipal Review

Design #: 0004317755

WO #: 02353196

Circuit ID:

Description: MOTI Kicking Horse River Bridge Phase 1

TELUS CLLI: GLDNBC01
PA #: GDN 113134
BC Hydro Map: DVQ0C1
Lat/Long: 51.29840634 , -116.9631440

Task03 - Safety Watch for BCH Civil Task02 to redirect 2-125 ducts to new TP location.

Task04 - Cable Pull:
-Remove 3/1C 500kCM XLPE & 1/C 4/0 Neutral between TPG425 and 3JB6.
-Install Cable ID 643-P6T (3/1C 500kCM XLPE) between 3JB6 & Pole001.
-Install 1/C 4/0 Neutral between 3JB6 & Pole001.

Task05 - Cable Splice:
-Splice Cable ID 643-P6T (3/1C 500kCM XLPE) inside 3JB6 & Terminate at Pole001 TP.
-Splice 1/C 4/0 Neutral inside 3JB6 & Terminate at Pole001 TP.
-Cable Testing.

0m 20m 40m 60m

SCALE 1:1000

BC Hydro

Designer	JOSH FIDEL
Phone #	604 218-0297
	2023-10-13

BC Hydro Map: DVQ0C1
PA #: GDN 113134
CIRCUIT 2553 GDN 2551 GDN
DWG #: 152-U07-07031
Lat/Long: 51.29961721 , -116.9645465

REFERENCE DRAWINGS

Crew As-Constructed Notes

Date Complete (YY-MM-DD) :

Crew Lead Name:

Any Changes (circle one) : Yes No

☐ Design / Job Updates ☐ Other Drawing Corrections

Crew Notes

Unless noted otherwise, engineering content on this drawing has been produced following a documented BC HYDRO quality management process under Permit to Practice Number 1002449 using BC Hydro engineering standards authenticated by Professionals of Record under Permit to Practice Number 102449.

Title: MOTI Kicking Horse River Bridge Relocation

Design #: 0004317755 WO #: 02353196

Page 5	Design: Construction - U/G

O/H XFMR with Pole ID: 274 587 REMOVE

PCB Level Information
White Tag < 2ppm

Task06 - OH Removals:
-3 spans overhead 3PH primary & neutral.

Pole 2189234:
-Primary down guy & cut existing anchor rod minimum 6" below grade.
-Final removal of pole by BCH.

Pole 1157410:
-50kVA 1PH Xfmr.
-Final removal of pole by BCH.

Pole 2009629:
-Street light.
-Primary down guy & cut existing anchor rod minimum 6" below grade.
-Cut pole to Telus, final removal of pole by Telus.

Pole 269/545:
-Primary down guy & cut existing anchor rod minimum 6" below grade.

0m 20m 40m 60m

SCALE 1:1000

BC Hydro

Designer	JOSH FIDEL
Phone #	604 218-0297
	2023-10-13

BC Hydro Map: DVQ0C1
PA #: GDN 113134
CIRCUIT 2553 GDN 2551 GDN
DWG #: NONE
Lat/Long: 51.29855231 , -116.9634158

REFERENCE DRAWINGS

Crew As-Constructed Notes

Date Complete (YY-MM-DD) :

Crew Lead Name:

Any Changes (circle one) : Yes No

☐ Design / Job Updates ☐ Other Drawing Corrections

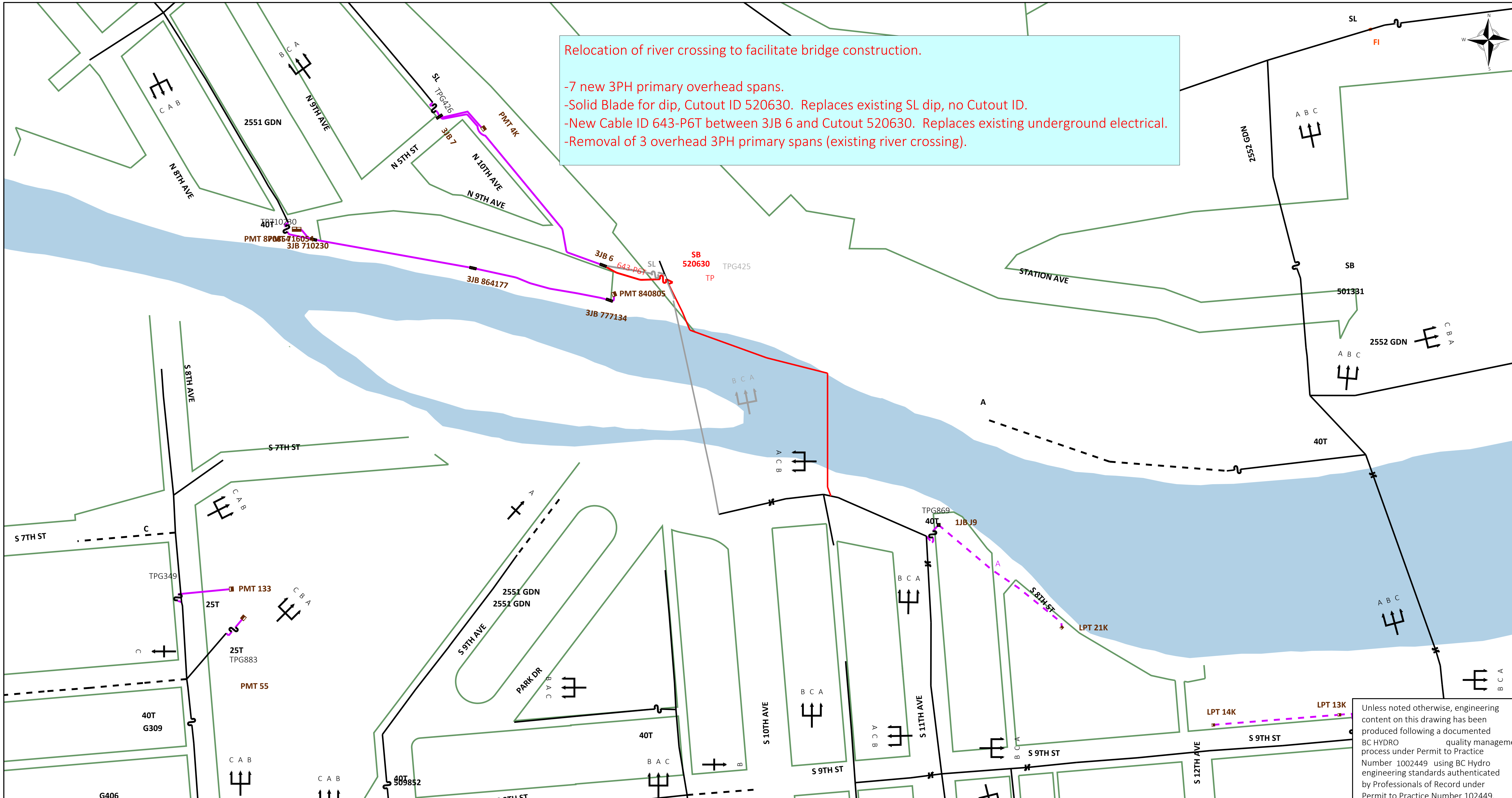
Crew Notes

Unless noted otherwise, engineering content on this drawing has been produced following a documented BC HYDRO quality management process under Permit to Practice Number 1002449 using BC Hydro engineering standards authenticated by Professionals of Record under Permit to Practice Number 102449.

Title: MOTI Kicking Horse River Bridge Relocation

Design #: 0004317755 WO #: 02353196

Page 6	Design: Construction - O/H	REV.



Relocation of river crossing to facilitate bridge construction.

-7 new 3PH primary overhead spans.
-Solid Blade for dip, Cutout ID 520630. Replaces existing SL dip, no Cutout ID.
-New Cable ID 643-P6T between 3JB 6 and Cutout 520630. Replaces existing underground electrical.
-Removal of 3 overhead 3PH primary spans (existing river crossing).

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Title: MOTI Kicking Horse River Bridge Relocation
Design # 0004317755 WO# 02353196
Reference Drawing # 152-U07-07031
Parent PA Number: Child PA Number:

Electrical Distribution Plant Alteration Page 7

PA# GDN 113134 PA Revision # 0
Circuit No.(s) 2553 GDN 2551 GDN

BCH UDD: DVQ0C1
BCH PY Map: DVQ0C
DOD Circuit/Page # 2553 GDN/1

BC Hydro

PA Design Approval

Designer: JOSH FIDEL
Phone # 604 218-0297
PA Issue Date: 13 OCT 2023
Approved by:
Phone # ( )
Date:

PA Completion

Must contact Control Centre PIC to complete these fields		
	Electrical worker	Date & Time
Construction complete:		
Equipment Energized:		
Load Operator (PIC):		
Signature below required before WO is returned to Design		
Approving Field		