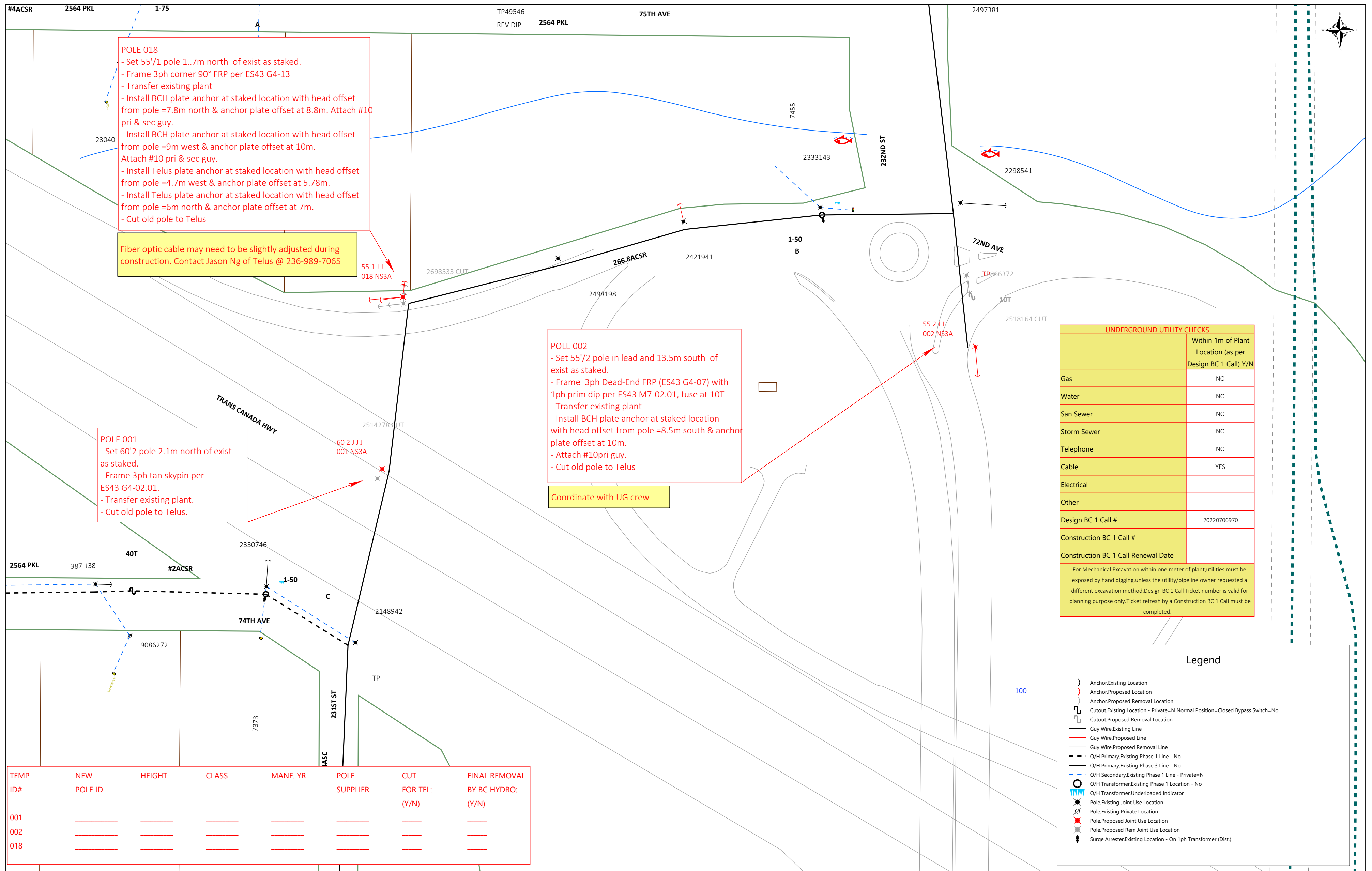


ISSUE FOR REVIEW  
-----  
Not to be used for construction.



**POLE 018**  
 - Set 55'/1 pole 1..7m north of exist as staked.  
 - Frame 3ph corner 90° FRP per ES43 G4-13  
 - Transfer existing plant  
 - Install BCH plate anchor at staked location with head offset from pole =7.8m north & anchor plate offset at 8.8m. Attach #10 pri & sec guy.  
 - Install BCH plate anchor at staked location with head offset from pole =9m west & anchor plate offset at 10m. Attach #10 pri & sec guy.  
 - Install Telus plate anchor at staked location with head offset from pole =4.7m west & anchor plate offset at 5.78m.  
 - Install Telus plate anchor at staked location with head offset from pole =6m north & anchor plate offset at 7m.  
 - Cut old pole to Telus

Fiber optic cable may need to be slightly adjusted during construction. Contact Jason Ng of Telus @ 236-989-7065

**POLE 002**  
 - Set 55'/2 pole in lead and 13.5m south of exist as staked.  
 - Frame 3ph Dead-End FRP (ES43 G4-07) with 1ph prim dip per ES43 M7-02.01, fuse at 10T  
 - Transfer existing plant  
 - Install BCH plate anchor at staked location with head offset from pole =8.5m south & anchor plate offset at 10m.  
 - Attach #10pri guy.  
 - Cut old pole to Telus

Coordinate with UG crew

**POLE 001**  
 - Set 60'2 pole 2.1m north of exist as staked.  
 - Frame 3ph tan skypin per ES43 G4-02.01.  
 - Transfer existing plant.  
 - Cut old pole to Telus.

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	NO
Cable	YES
Electrical	
Other	
Design BC 1 Call #	20220706970
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.

Legend	
	Anchor Existing Location
	Anchor Proposed Location
	Anchor Proposed Removal Location
	Cutout Existing Location - Private=N Normal Position=Closed Bypass Switch=No
	Cutout Proposed Removal Location
	Guy Wire Existing Line
	Guy Wire Proposed Line
	Guy Wire Proposed Removal Line
	O/H Primary Existing Phase 1 Line - No
	O/H Primary Existing Phase 3 Line - No
	O/H Secondary Existing Phase 1 Line - Private=N
	O/H Transformer Existing Phase 1 Location - No
	O/H Transformer Underloaded Indicator
	Pole Existing Joint Use Location
	Pole Existing Private Location
	Pole Proposed Joint Use Location
	Pole Proposed Rem Joint Use Location
	Surge Arrester Existing Location - On 1ph Transformer (Dist.)

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							
018							

BC Hydro Map: BPI3C4  
 PA #: LGY 112188  
 Lat/Long: 49.13762040 , -122.5824904  
 Circuit(s):  
 2564 MLE 2564 PKL  
 DWG #: 467-D07-02388

SCALE 1:1000

**Crew As-Constructed Notes**

Date Complete (YY-MM-DD) :

Crew Lead Name:

Any Changes (circle one) : Yes No

Design / Job Updates Required  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.

Designer: EDWIN MONLEON  
 Phone #: 604-543-6063  
 Title: TASK 1 OH ELECTRIC  
 HwY 1 Median, west of 232nd Ave.,  
 Design #: 0004336456 WO #:  
 Page 2 Design: Construction - O/H Rev.

O/H XFMR with Pole ID: 2362226 CUT  
 PCB Level Information  
 White Tag < 2ppm



**POLE 004**  
 - Set 55'2 pole in lead and 10.4m south of exist as staked.  
 - Frame 3ph dead-end FRP ES43 G4-07.  
 - Transfer existing plant.  
 - REDUCED Tension span to pole 2680249 req'd.  
 - Install BCH plate anchor at staked location with head offset from pole =10m south & anchor plate offset at 11.3m.  
 - Attach #10pri guy.  
 - Cut old pole to Telus.

**POLE 003**  
 - Set 55'3 pole in lead and 2m south of exist as staked.  
 - Frame 3ph tan skypin per ES43 G4-02.01.  
 - Remove transformer and service  
 - Transfer existing plant.  
 - Remove old pole.

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	NO
Cable	NO
Electrical	
Other	
Design BC 1 Call #	20220706970
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.

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

**Legend**

- Anchor Existing Location
- Anchor Proposed Location
- Anchor Proposed Removal Location
- Cutout Existing Location - Private=N Normal Position=Closed Bypass Switch=No
- Guy Wire Existing Line
- Guy Wire Proposed Line
- Guy Wire Proposed Removal Line
- O/H Primary Existing Phase 1 Line - Yes
- O/H Primary Existing Phase 1 Line - No
- O/H Primary Existing Phase 3 Line - No
- O/H Secondary Existing Phase 1 Line - Private=N
- O/H Switch Existing Location - Private Closed Gang Operated Non-Load Break
- O/H Switch Existing Location - Non-Private Closed Gang Operated Load Break
- O/H Transformer Existing Phase 1 Location - No
- O/H Transformer Underloaded Indicator
- O/H Transformer Proposed Removal Phase 1 Location
- Pole Existing Joint Use Location
- Pole Existing Private Location
- Pole Proposed Joint Use Location
- Pole Proposed Rem Joint Use Location



BC Hydro Map: BPI3C4  
 PA #: LGY 112188  
 CIRCUIT 2564 MLE 2564 PKL  
 DWG #: NONE  
 Lat/Long: 49.13378002, -122.5760115

**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**

DES. EDWIN MONLEON

Phone # 604-543-6063

Title: TASK 1 OH ELECTRIC  
 Hwy 1 Median, East of 232nd Ave., Langley  
 Design #: 0004336456 WO #:

Page 3 Design: Construction - O/H REV.

DES.	EDWIN MONLEON	2023-06-02
Phone #	604-543-6063	
Title: TASK 1 OH ELECTRIC Hwy 1 Median, East of 232nd Ave., Langley Design #: 0004336456 WO #:		
Page 3	Design: Construction - O/H	REV.

# BC Hydro Distribution Work Order

BC Hydro Map: BPI4B0  
 PA #: LGY 112188  
 CIRCUIT 2564 MLE 2564 PKL  
 DWG #: NONE  
 Lat/Long: 49.12764590, -122.5587558

Municipality: TOWNSHIP OF LANGLEY  
 Location: HWY 1 216TH TO 264TH,  
 LANGLEY

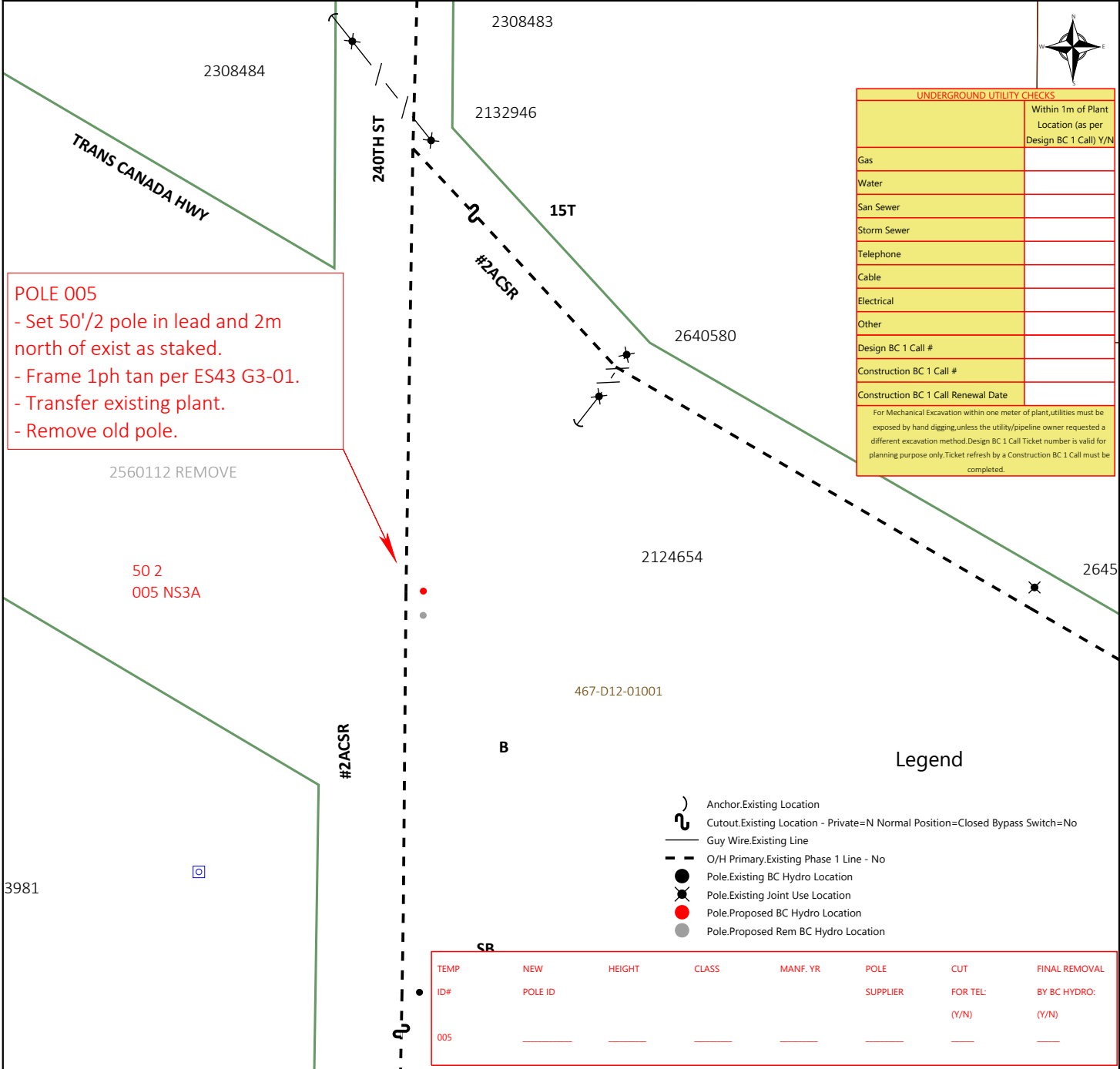
DES. EDWIN MONLEON  
 Phone # 604-543-6063  
 2023-06-02

Title: TASK 1 OH ELECTRIC  
**Hwy 1 and 240th St., Langley**



SCALE 1:1000

Design #: 0004336456 WO #:  
 Page 4 MAP TYPE: Design: Construction - O/H REV.



**POLE 005**  
 - Set 50'2 pole in lead and 2m north of exist as staked.  
 - Frame 1ph tan per ES43 G3-01.  
 - Transfer existing plant.  
 - Remove old pole.

UNDERGROUND UTILITY CHECKS	
	Within 1m of Plant Location (as per Design BC 1 Call) Y/N
Gas	
Water	
San Sewer	
Storm Sewer	
Telephone	
Cable	
Electrical	
Other	
Design BC 1 Call #	
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.

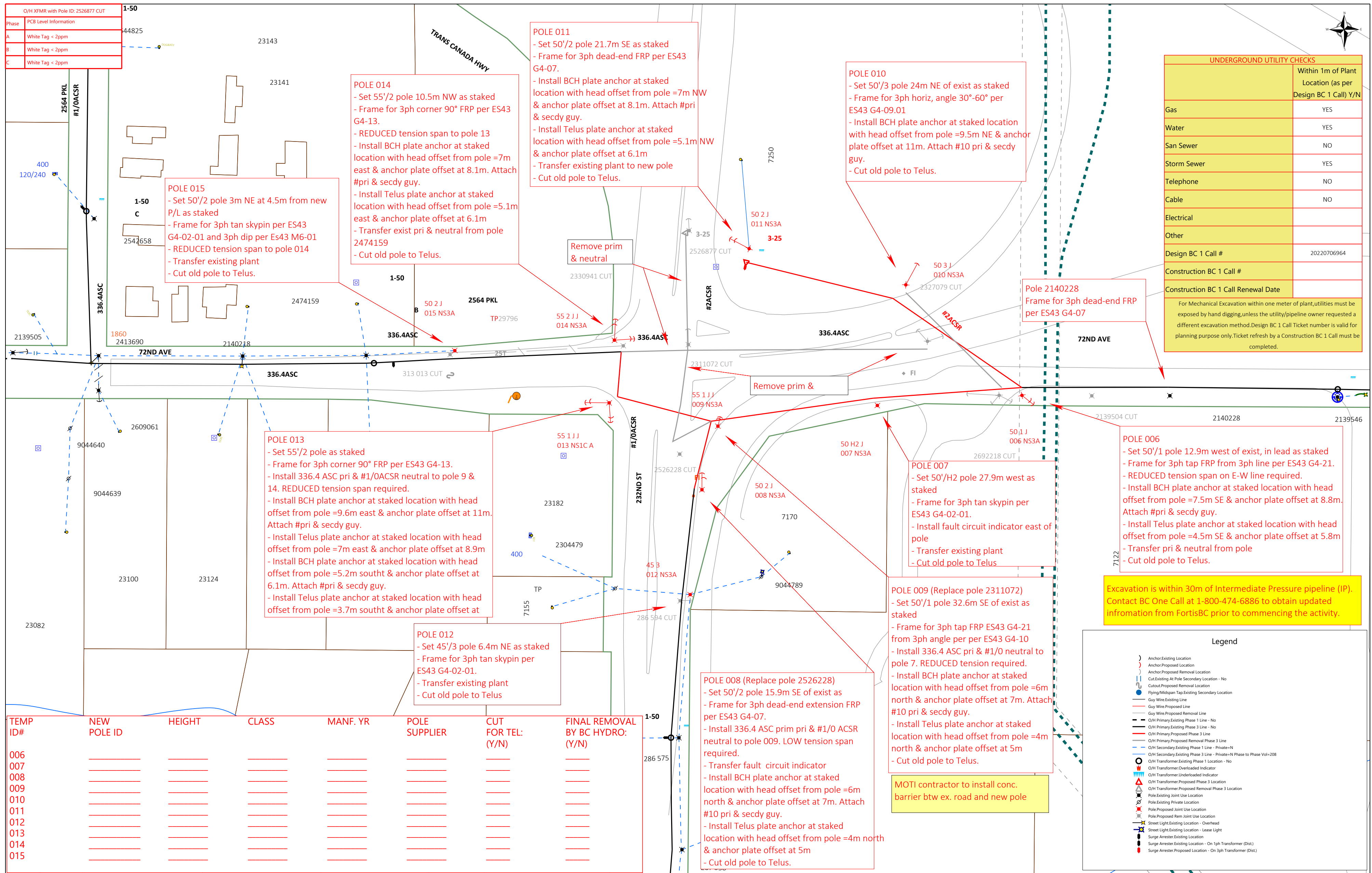
- Legend**
- Anchor.Existing Location
  - Cutout.Existing Location - Private=N Normal Position=Closed Bypass Switch=No
  - Guy Wire.Existing Line
  - O/H Primary.Existing Phase 1 Line - No
  - Pole.Existing BC Hydro Location
  - Pole.Existing Joint Use Location
  - Pole.Proposed BC Hydro Location
  - Pole.Proposed Rem BC Hydro Location

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

Crew As-Constructed Notes	Crew Notes
Date Complete (YY-MM-DD) :	
Crew Lead Name:	
Any Changes (circle one) : Yes No	
<input type="checkbox"/> Design / Job Updates Required <input type="checkbox"/> Other Drawing Corrections	

E nt      E nt

O/H XFMR with Pole ID: 2526877 CUT	
Phase	PCB Level Information
A	White Tag < 2ppm
B	White Tag < 2ppm
C	White Tag < 2ppm



UNDERGROUND UTILITY CHECKS	
	Within 1m of Plant Location (as per Design BC 1 Call) Y/N
Gas	YES
Water	YES
San Sewer	NO
Storm Sewer	YES
Telephone	NO
Cable	NO
Electrical	
Other	
Design BC 1 Call #	20220706964
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.

TEMP ID#	NEW POLE ID	HEIGHT	CLASS	MANF. YR	POLE SUPPLIER	CUT FOR TEL: (Y/N)	FINAL REMOVAL BY BC HYDRO: (Y/N)
006							
007							
008							
009							
010							
011							
012							
013							
014							
015							

Legend	
	Anchor Existing Location
	Anchor Proposed Location
	Anchor Proposed Removal Location
	Cut Existing At Pole Secondary Location - No
	Cutout Proposed Removal Location
	Flying/Midspan Tap Existing Secondary Location
	Guy Wire Existing Line
	Guy Wire Proposed Line
	Guy Wire Proposed Removal Line
	O/H Primary Existing Phase 1 Line - No
	O/H Primary Existing Phase 3 Line - No
	O/H Primary Proposed Phase 3 Line
	O/H Primary Proposed Removal Phase 3 Line
	O/H Secondary Existing Phase 1 Line - Private-N
	O/H Secondary Existing Phase 3 Line - Private-N Phase to Phase Volt-208
	O/H Transformer Existing Phase 1 Location - No
	O/H Transformer Overloaded Indicator
	O/H Transformer Underloaded Indicator
	O/H Transformer Proposed Phase 3 Location
	O/H Transformer Proposed Removal Phase 3 Location
	Pole Existing Joint Use Location
	Pole Existing Private Location
	Pole Proposed Joint Use Location
	Pole Proposed Rem Joint Use Location
	Street Light Existing Location - Overhead
	Street Light Existing Location - Lease Light
	Surge Arrester Existing Location
	Surge Arrester Existing Location - On 1ph Transformer (Dist.)
	Surge Arrester Proposed Location - On 3ph Transformer (Dist.)

Excavation is within 30m of Intermediate Pressure pipeline (IP). Contact BC One Call at 1-800-474-6886 to obtain updated information from FortisBC prior to commencing the activity.

MOTI contractor to install conc. barrier btw ex. road and new pole

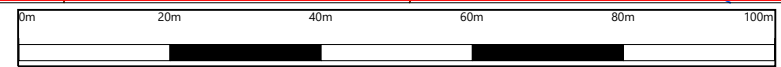
BC Hydro Map: BPI3C4  
PA #: LGY 112188  
Lat/Long: 49.13334341, -122.5812162  
Circuit(s): 2564 MLE 2564 PKL  
DWG #: NONE

Crew As-Constructed Notes	
Date Complete (YY-MM-DD) :	
Crew Lead Name:	
Any Changes (circle one) : Yes No	
<input type="checkbox"/> Design / Job Updates Required <input type="checkbox"/> 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.	

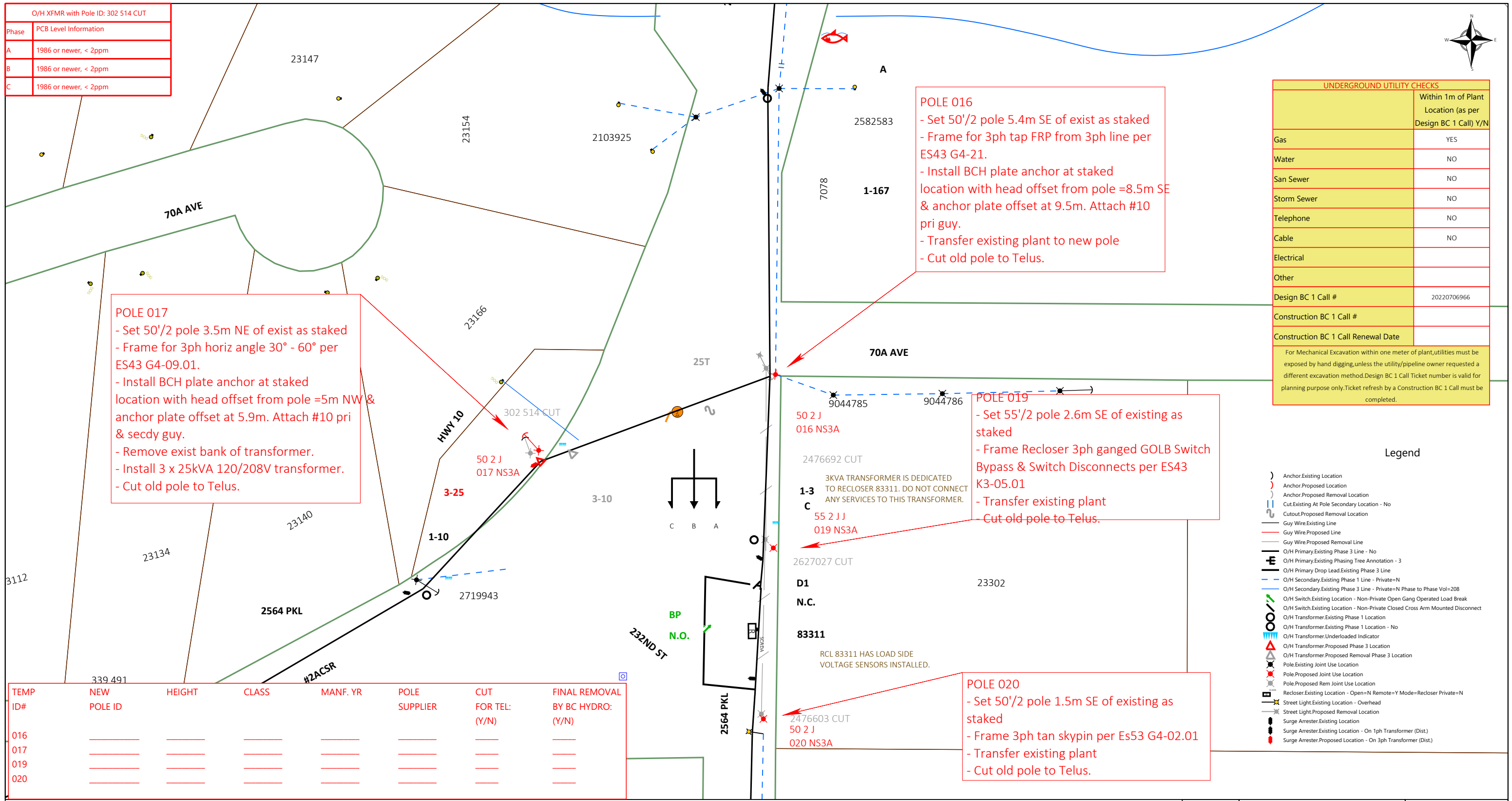
Designer	EDWIN MONLEON	2023-06-02
Phone #	604-543-6063	
Title:	TASK 1 OH ELECTRIC 72nd Ave and 232nd Ave., Langley	
Design #:	0004336456	WO #:
Page 5	Design: Construction - O/H	Rev.

REFERENCE DRAWINGS



SCALE 1:1000 BC Hydro

O/H XFMR with Pole ID: 302 514 CUT	
Phase	PCB Level Information
A	1986 or newer, < 2ppm
B	1986 or newer, < 2ppm
C	1986 or newer, < 2ppm



UNDERGROUND UTILITY CHECKS	
	Within 1m of Plant Location (as per Design BC 1 Call) Y/N
Gas	YES
Water	NO
San Sewer	NO
Storm Sewer	NO
Telephone	NO
Cable	NO
Electrical	
Other	
Design BC 1 Call #	20220706966
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.

**POLE 017**  
 - Set 50'/2 pole 3.5m NE of exist as staked  
 - Frame for 3ph horiz angle 30° - 60° per ES43 G4-09.01.  
 - Install BCH plate anchor at staked location with head offset from pole =5m NW & anchor plate offset at 5.9m. Attach #10 pri & secdy guy.  
 - Remove exist bank of transformer.  
 - Install 3 x 25kVA 120/208V transformer.  
 - Cut old pole to Telus.

**POLE 016**  
 - Set 50'/2 pole 5.4m SE of exist as staked  
 - Frame for 3ph tap FRP from 3ph line per ES43 G4-21.  
 - Install BCH plate anchor at staked location with head offset from pole =8.5m SE & anchor plate offset at 9.5m. Attach #10 pri guy.  
 - Transfer existing plant to new pole  
 - Cut old pole to Telus.

**POLE 019**  
 - Set 55'/2 pole 2.6m SE of existing as staked  
 - Frame Recloser 3ph ganged GOLB Switch Bypass & Switch Disconnects per ES43 K3-05.01  
 - Transfer existing plant  
 - Cut old pole to Telus.

**POLE 020**  
 - Set 50'/2 pole 1.5m SE of existing as staked  
 - Frame 3ph tan skypin per Es53 G4-02.01  
 - Transfer existing plant  
 - Cut old pole to Telus.

**Legend**

- Anchor Existing Location
- Anchor Proposed Location
- Anchor Proposed Removal Location
- Cut Existing At Pole Secondary Location - No
- Cutout Proposed Removal Location
- Guy Wire Existing Line
- Guy Wire Proposed Line
- Guy Wire Proposed Removal Line
- O/H Primary Existing Phase 3 Line - No
- O/H Primary Existing Phasing Tree Annotation - 3
- O/H Primary Drop Lead Existing Phase 3 Line
- O/H Secondary Existing Phase 1 Line - Private-N
- O/H Secondary Existing Phase 3 Line - Private-N Phase to Phase Vol=208
- O/H Switch Existing Location - Non-Private Open Gang Operated Load Break
- O/H Switch Existing Location - Non-Private Closed Cross Arm Mounted Disconnect
- O/H Transformer Existing Phase 1 Location
- O/H Transformer Existing Phase 1 Location - No
- O/H Transformer Underloaded Indicator
- O/H Transformer Proposed Phase 1 Location
- O/H Transformer Proposed Removal Phase 3 Location
- Pole Existing Joint Use Location
- Pole Proposed Joint Use Location
- Pole Proposed Rem Joint Use Location
- Recloser Existing Location - Open=N Remote=Y Mode=Recloser Private=N
- Street Light Existing Location - Overhead
- Street Light Proposed Removal Location
- Surge Arrester Existing Location
- Surge Arrester Existing Location - On 1ph Transformer (Dist)
- Surge Arrester Proposed Location - On 3ph Transformer (Dist)

TEMP ID#	NEW POLE ID	HEIGHT	CLASS	MANF. YR	POLE SUPPLIER	CUT FOR TEL: (Y/N)	FINAL REMOVAL BY BC HYDRO: (Y/N)
016							
017							
019							
020							



SCALE 1:1000



BC Hydro Map: BPI3B4  
 PA #: LGY 112188  
 CIRCUIT 2564 MLE 2564 PKL  
 DWG #: NONE  
 Lat/Long: 49.13074386, -122.5814125

**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**

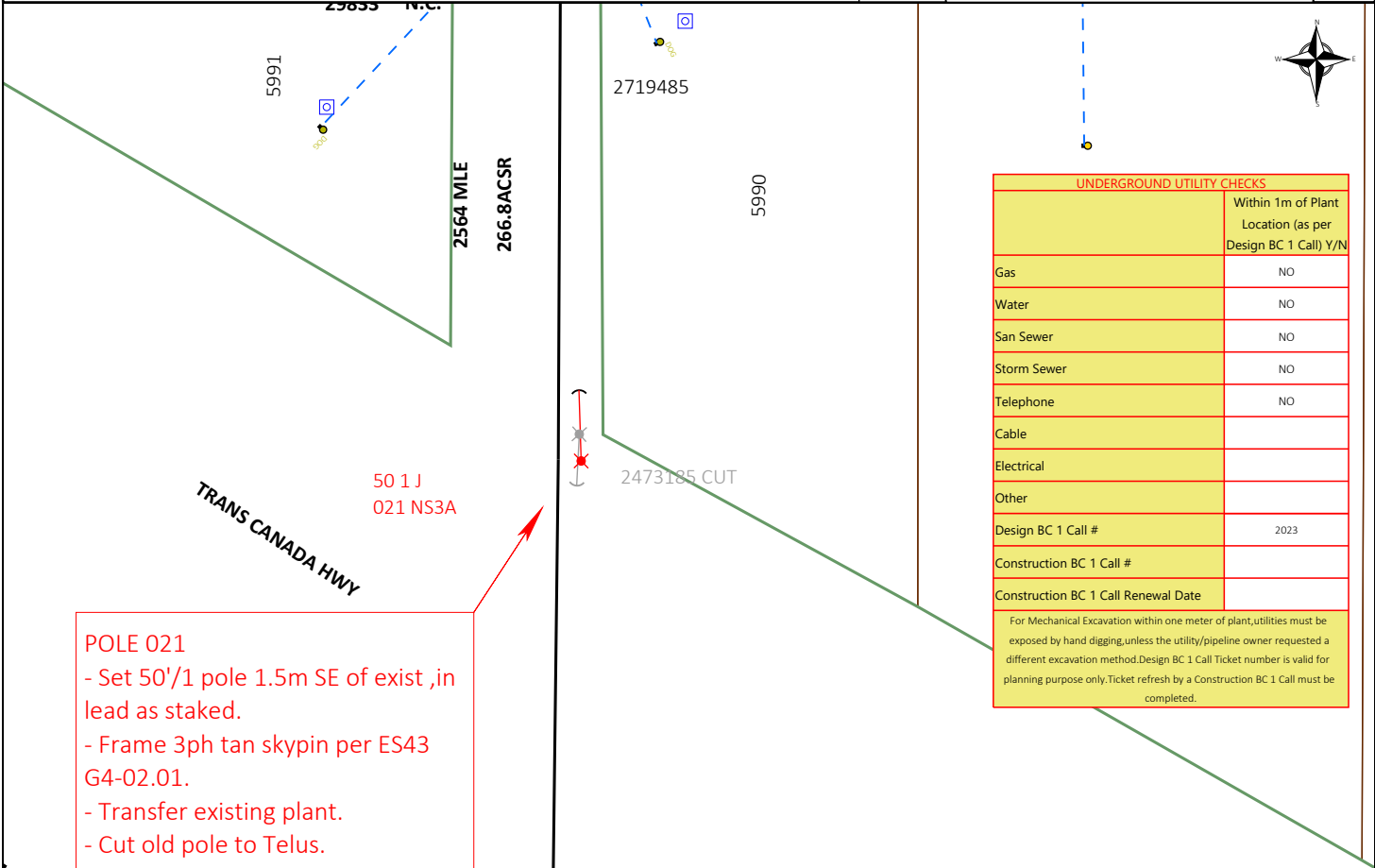
Unless noted otherwise, engineering content on this drawing has been produced following a documented BC HYDRO quality management process under Permit to Practice Number 1002449 using BC Hydro engineering standards authenticated by Professionals of Record under Permit to Practice Number 102449.

Designer	EDWIN MONLEON	2023-06-02
Phone #	604-543-6063	
Title: TASK 1 OH ELECTRIC		
Design #:	0004336456	WO #:
Page 6	Design: Construction - O/H	REV.

# BC Hydro Distribution Work Order

BC Hydro Map: BPH4E2	Municipality: TOWNSHIP OF LANGLEY	DES. EDWIN MONLEON	2023-06-02
PA #: LGY 112188		Phone # 604-543-6063	
CIRCUIT 2564 MLE 2564 PKL		Title: TASK 1 OH ELECTRIC	
DWG #: NONE	Location: HWY 1 216TH TO 264TH, LANGLEY		
Lat/Long: 49.11038932, -122.5147417			

0m 10m 20m 30m 40m 50m 60m	SCALE 1:1000	Design #: 0004336456	WO #:
		Page 7	MAP TYPE: Design: Construction - O/H
			REV.



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	NO
Cable	
Electrical	
Other	
Design BC 1 Call #	2023
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.

**POLE 021**  
 - Set 50'/1 pole 1.5m SE of exist, in lead as staked.  
 - Frame 3ph tan skylin per ES43 G4-02.01.  
 - Transfer existing plant.  
 - Cut old pole to Telus.

TEMP ID#	NEW POLE ID	HEIGHT	CLASS	MANF. YR	POLE SUPPLIER	CUT FOR TEL: (Y/N)	FINAL REMOVAL BY BC HYDRO: (Y/N)
021							

- Legend**
- Anchor.Existing Location
  - Anchor.Proposed Removal Location
  - Contact.Location - BC Hydro Distribution
  - Cutout.Existing Location - Private=N Normal Position=Closed Bypass Switch=No
  - Guy Wire.Existing Line
  - Guy Wire.Proposed Line
  - Guy Wire.Proposed Removal Line
  - O/H Primary.Existing Phase 1 Line - No
  - O/H Primary.Existing Phase 3 Line - No
  - O/H Secondary.Existing Phase 1 Line - Private=N
  - O/H Transformer.Existing Phase 1 Location - No
  - O/H Transformer.Overloaded Indicator
  - Pole.Existing Joint Use Location
  - Pole.Proposed Joint Use Location
  - Pole.Proposed Rem Joint Use Location
  - Surge Arrester.Existing Location - On 1ph Transformer (Dist)

<b>Crew As-Constructed Notes</b>	<b>Crew Notes</b>
Date Complete (YY-MM-DD) :	Unless noted otherwise, engineering content on this drawing has been produced following a quality management process under Permit to Practice 1002449 Number using BC Hydro engineering standards authenticated by Professionals of Record under Permit to Practice Number 1002449.
Crew Lead Name:	
Any Changes (circle one) : Yes No	
<input type="checkbox"/> Design / Job Updates Required <input type="checkbox"/> Other Drawing Corrections	