

**DISCLAIMER**  
THIS DRAWING IS THE PROPERTY OF BC HYDRO AND SHALL NOT BE USED, REPRODUCED OR REPRODUCED WITHOUT THE CONSENT OF BC HYDRO. BC HYDRO WILL NOT BE RESPONSIBLE FOR ANY DAMAGE OR LOSS OF PROFITS OR UNAUTHORIZED USE OF THIS DRAWING AND WILL NOT BE LIABLE FOR ANY DAMAGES OR OTHER CONSEQUENCES THAT MAY BE INCURRED FROM THE USE OF THIS DRAWING. ANY CHANGES MADE TO THIS DRAWING, PLEASE NOTE THAT BC HYDRO DOES NOT ASSUME RESPONSIBILITY FOR THE ACCURACY OR COMPLETENESS OF THE CONTENTS. THE USER'S SOLE RESPONSIBILITY IS TO OBTAIN THE NECESSARY PERMISSION OR CLEARANCE FROM THE DRAWING.

**CITY OF COQUITLAM**  
Engineering & Public Works  
**NOT APPROVED UNLESS SIGNED**  
Approval does not confirm the accuracy of the design. The city does not accept responsibility for any costs or damages incurred due to errors, omissions or oversights in the design.  
*[Signature]*  
On behalf of the Manager of Capital Projects & Inspections  
02/25/2021  
Date

**UNDERGROUND UTILITY CHECKS**

Write in per location in per Design BC 1 Call Y/N

Gas	
Water	
Sanitary Sewer	
Storm Sewer	
Telephone	
Cable	
Electrical	
Other	

Design BC 1 Call #  
Construction BC 1 Call #  
Call Renewal Date

For Mechanical Excavation within 1 metre of plant, utilities must be exposed by hand digging, unless the utility is positive marker registered at different excavation method.  
Design BC 1 Call Ticket number valid for planning purposes only. Ticket valid for a Construction BC 1 Call must be completed.



**WORK LOCATION N.T.S.**  
**BC ONE CALL**  
CALL BEFORE YOU DIG  
1-800-474-8888  
CALL AT LEAST 4 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 E533 AND E534.
  3. ANY CHANGES MUST HAVE PRIOR APPROVAL OF BC HYDRO CIVIL INSPECTOR.
  4. ALL CONDUIT INSTALLATION FOR BC HYDRO ON PUBLIC OR PRIVATE PROPERTY SHOULD HAVE MIN. 60mm COVER AND ANY FACTORY SEND MUST HAVE A MIN. RADIIUS OF 0.9m.
  5. ALL UTILITIES (EXCEPT TELUS) MUST MAINTAIN A 0.9m HORIZONTAL AND 0.3m VERTICAL SEPARATION FROM BC HYDRO UTILITIES UNLESS SPECIFIED OTHERWISE BY BC HYDRO CIVIL INSPECTOR.
  6. OTHER UTILITIES SHOWN ON THE CIVIL DRAWING ARE FOR REFERENCE ONLY. PROVIDE LOCATION OF ALL UTILITIES IN THE WORK AREA BEFORE CONSTRUCTION. FOR CURRENT INFORMATION CONTACT BC ONE CALL.
  7. ALL OFFSETS INDICATED IN CENTRAL OF BC HYDRO PLANT.
  8. METRES EXPRESSED IN DECIMALS, MILLIMETRES IN WHOLE NUMBERS.
  9. TRANSFORMER MUST BE A MIN. 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. ALL OFFSETS INDICATED IN CENTRAL OF BC HYDRO PLANT.
  11. MIN. OFFSET FOR BC HYDRO DUCTS, IN JOINT TRENCH, FROM PROPERTY LINE IS 1.0m UNLESS OTHERWISE NOTED.
  12. IT IS THE RESPONSIBILITY OF THE RESOURCE THAT IS PERFORMING THE INSTALLATION OF THE PROPOSED DRAWING(S) OF THE CONSTRUCTION, THE RECORD DRAWING(S) MUST BE RECEIVED AND ACCEPTED BEFORE ELECTRICAL WORK WILL COMMENCE.

CUSTOM NOTES HERE IF REQUIRED

**CIVIL PLAN LEGEND:**

BC HYDRO RESPONSIBILITY	CUSTOMER RESPONSIBILITY
EXISTING DUCT	NEW DUCT
FIELD COMPLETED DUCT	TERMINAL POLE
SERVICE BOX	LOW PROFILE TRANSFORMER (LPT-PRYRAMD PAD)
LOW PROFILE TRANSFORMER (LPT-PRYRAMD PAD)	LOW PROFILE TRANSFORMER (LPT)
LOW PROFILE TRANSFORMER (LPT)	PAD MOUNT TRANSFORMER (PMT)
30 & 10 JUNCTION & PULL BOXES (332, 532, 832 & 1232)	PRECAST MANHOLE
PRECAST MANHOLE	VISTA SWITCH SUBMERSIBLE (VSWM)
VISTA SWITCH SUBMERSIBLE (VSWM)	VISTA SWITCH ABOVE GROUND (VSWA)

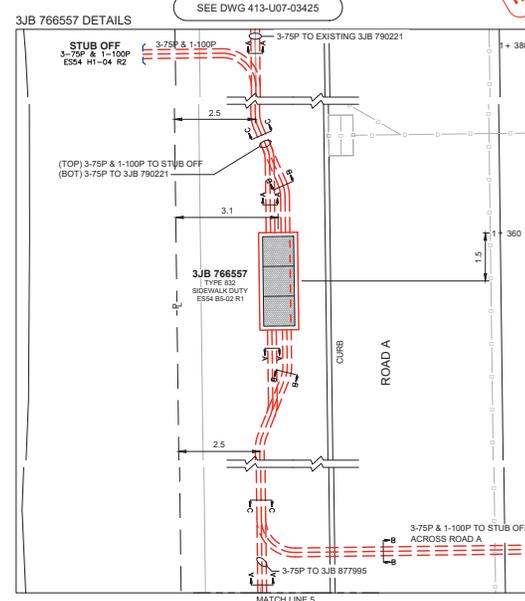
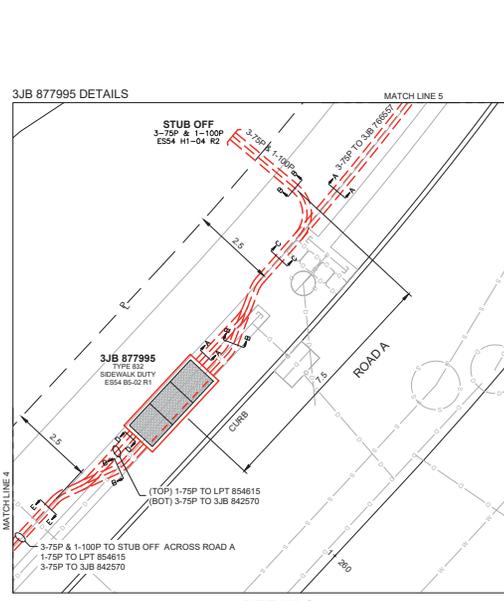
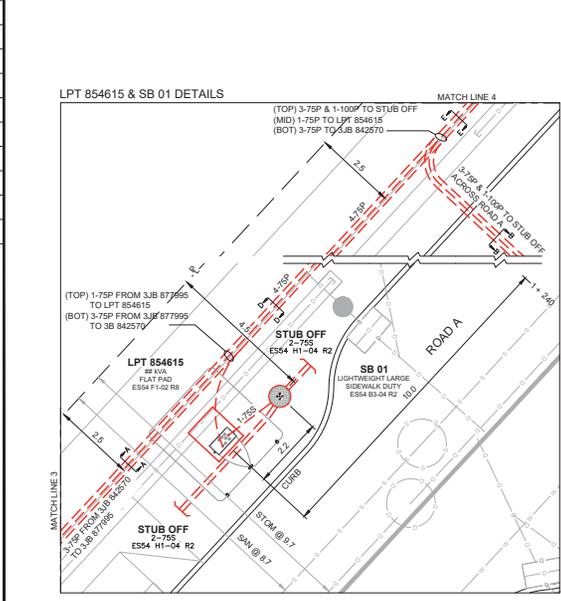
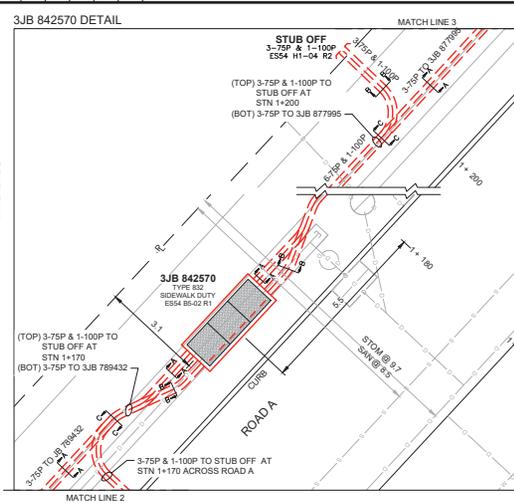
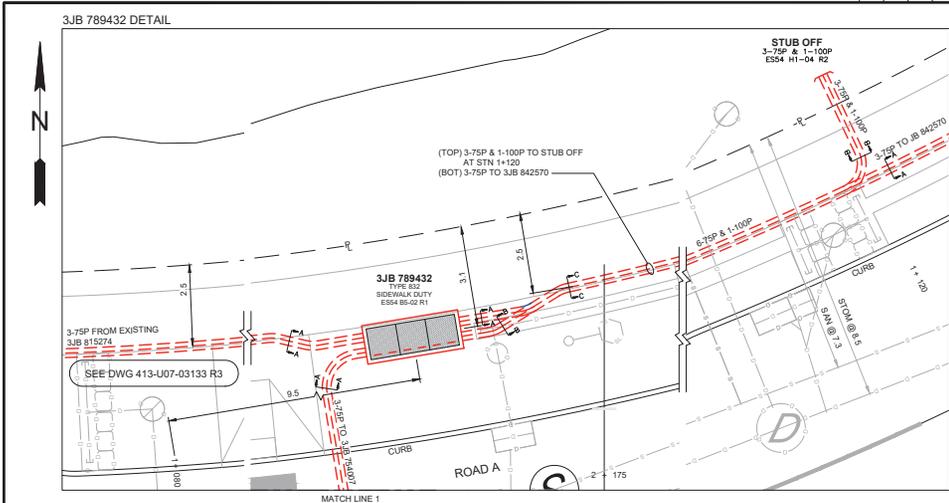
REFER TO E533 AND E534 UNDERGROUND STANDARDS

**CIVIL ONE-LINE DIAGRAM**  
N.T.S.

DESIGN NUMBER	0004340665	DSGN	N. KIRUPAKARAN
WORK ORDER NUMBER		HECK	CHK
CSA S250 ACCURACY	NAD 83 - 10UTM	DFTG	L.T.SENG (AUS)
DFTG CHK	C.SANJIB(VENTURA) (AUS)		
BASE ACCURACY LEVEL	4 +/- 1000 mm	INSP	
ASB ACCURACY LEVEL	4 +/- 1000 mm	REV	
		ACFT	

<b>BC Hydro</b>			
LMN - COQUITLAM - MAPLE RIDGE			
COQUITLAM DISTRICT OFFICE			
UNDERGROUND DUCT AND STRUCTURES FOR			
LOWER BURKE VILLAGE ROADS			
3561 GISLASON AVENUE, COQUITLAM			
SHEET 11 OF 3			
DATE	2021FEB09	DIST	
DRAWING NUMBER	413-U07-03650	REPORT NUMBER	
FIGURE NUMBER		DATE	0
REV			

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**NOT FOR CONSTRUCTION**  
**ISSUED FOR INFORMATION**

- WORK LOCATION N.T.S.**
- BC ONE CALL**  
CALL BEFORE YOU DIG  
1-800-474-8888  
CALL AT LEAST 4 FULL WORKING DAYS BEFORE YOU PLAN TO DIG
- CIVIL SPEC. 1321 NOTES:**
- BC HYDRO UNDERGROUND CIVIL INSPECTOR MUST BE NOTIFIED 48 HOURS PRIOR TO CONSTRUCTION.
  - ALL WORK TO BE PERFORMED IN ACCORDANCE WITH CLASS OF WORK SPECIFICATION 1321 AND BC HYDRO UNDERGROUND & DISTRIBUTION ENGINEERING STANDARDS SERIES ES53 AND ES54.
  - ANY CHANGES NEED TO HAVE PRIOR APPROVAL OF BC HYDRO CIVIL INSPECTOR.
  - ALL CONDUIT INSTALLATION FOR BC HYDRO ON PUBLIC OR PRIVATE PROPERTY SHOULD HAVE MIN. 6.9m COVER AND ANY FACTORY BEND MUST HAVE A MIN. RADIUS OF 0.9m.
  - ALL UTILITIES (EXCEPT TELLUS) MUST MAINTAIN A 0.9m HORIZONTAL AND 0.9m VERTICAL SEPARATION FROM BC HYDRO DUCTS UNLESS OTHERWISE NOTED.
  - 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.
  - ALL OFFSETS INDICATE CENTERLINE OF BC HYDRO PLANT.
  - METRES EXPRESSED IN DECIMALS, MILLIMETRES IN WHOLE NUMBERS.
  - 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.
  - FOR TRANSFORMER PAD COUNTERPOISE CLEARANCES TO OTHER UTILITIES AND UNDERGROUND CONDUCTIVE SURFACES, SEE ES54.
  - MIN. OFFSET FOR BC HYDRO DUCTS, IN JOINT TRENCH, FROM PROPERTY LINE IS 1.5m, UNLESS OTHERWISE NOTED.
  - STUB SERVICE DUCT 1.0m FROM PROPERTY CORNER AND 1.0m INTO THE LOT UNLESS OTHERWISE NOTED.
  - IT IS THE RESPONSIBILITY OF THE RESOURCE THAT IS PERFORMING THE INSTALLATION OF THE PROPOSED CIVIL WORK TO PROVIDE THE USER 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**

**CIVIL PLAN LEGEND:**

BC HYDRO RESPONSIBILITY	CUSTOMER RESPONSIBILITY
EXISTING DUCT	NEW DUCT
FIELD COMPLETED DUCT	TERMINAL POLE
SERVICE BOX	LOW PROFILE TRANSFORMER (LPT-PYRAMD PAD)
PAD MOUNT TRANSFORMER (PMT)	PAD MOUNT TRANSFORMER (PMT)
30 & 10 JUNCTION & PULL BOXES (30, 60, 80 & 120)	PRECAST MANHOLE
VISTA SWITCH SUBMERSIBLE (VSWB)	VISTA SWITCH ABOVE GROUND (VSWA)
REFER TO ES53 AND ES54 UNDERGROUND STANDARDS	

Approval does not confirm the accuracy of the design. The City does not accept responsibility for any costs or damages incurred due to errors, omissions or variations in the design.

*[Signature]*  
On behalf of the Manager of Capital Projects & Inspectors

Date: 02/25/2021

**DETAILS**  
N.T.S.

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NO.	DRAWING NUMBER	DRAWING TITLE	NO.	DESIGN: 0004340665 - NEW DRAWING	REMARKS
		REFERENCE DRAWINGS			REVISIONS

DESIGN NUMBER	0004340665	DESIGN	N.KIRUPAKARAN
WORK ORDER NUMBER		HECK	
CSA S250 ACCURACY	NAD 83 - 10UTM	DFTG	L.TSENG (AUS)
DFTG	CHK	DFTG	CHK
BASE ACCURACY LEVEL	4 +/- 1000 mm	INSR	
ASB ACCURACY LEVEL	4 +/- 1000 mm	REV	
		ACFT	

DATE	2021FEB09	DIST	
DRAWING NUMBER	413-U07-03650	REPORT NUMBER	
FIGURE NUMBER		OUT	0
REV		D	0

**BC Hydro**

LMN - COQUITLAM - MAPLE RIDGE  
 COQUITLAM DISTRICT OFFICE  
 UNDERGROUND DUCT AND STRUCTURES FOR  
 LOWER BURKE VILLAGE ROADS  
 3561 GISLASON AVENUE, COQUITLAM  
 SHEET 2 OF 3

