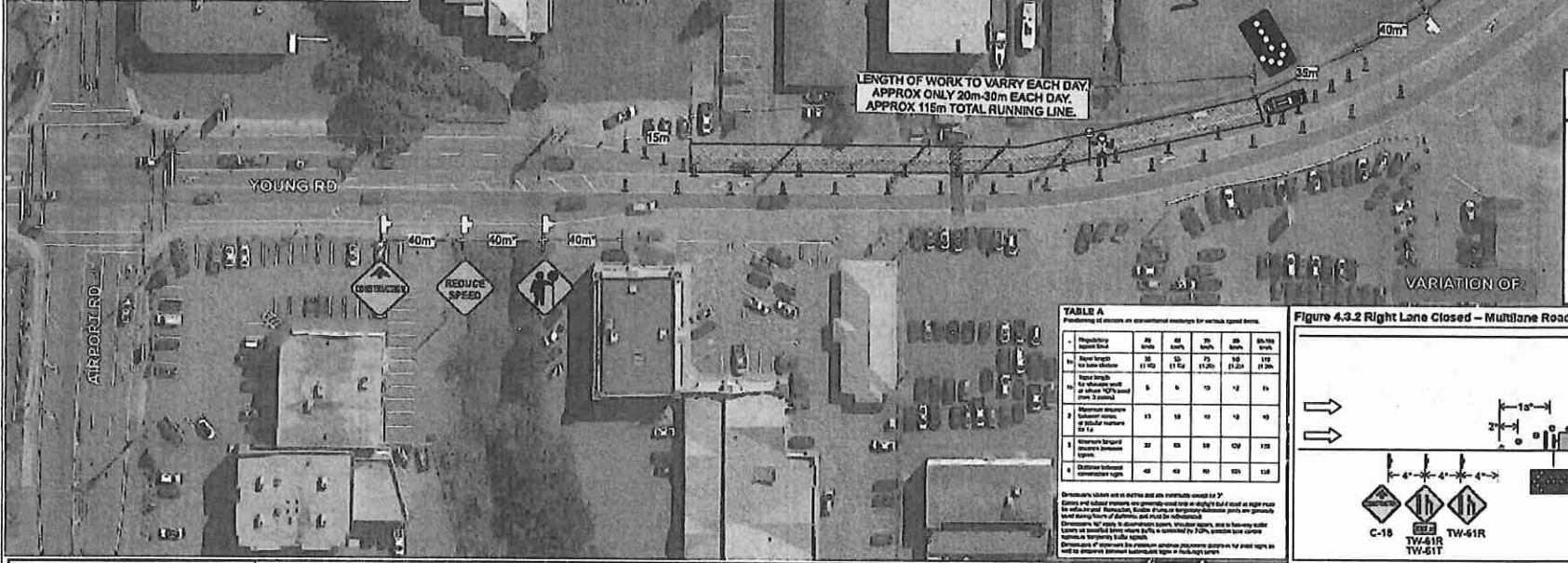


PHASE 1



Legend

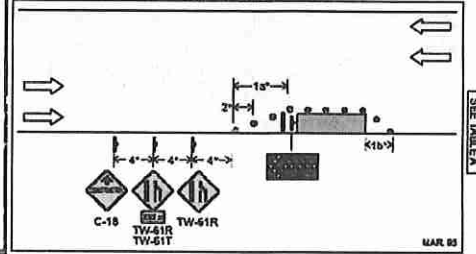
- Sign Stand
- Tubular
- Flagperson
- Work Zone
- Arrow Board

TABLE A

Positioning of signs on operational roadways for various speed limits.

	40 km/h	50 km/h	75 km/h	100 km/h	120 km/h
1. Regulatory sign (C-18)	15	15	15	15	15
2. Advance warning sign (TW-61R)	15	15	15	15	15
3. Advance warning sign (TW-61R) at alternate 100% speed limit	5	5	10	10	10
4. Advance warning sign (TW-61R) at alternate 100% speed limit	15	15	15	15	15
5. Advance warning sign (TW-61R)	30	30	30	30	30
6. Advance warning sign (TW-61R)	45	45	45	45	45

Figure 4.3.2 Right Lane Closed – Multilane Roadway



Time Frame: 2 weeks
Times: Weekdays: 7:30am - 6:00pm
 Saturday: 9:00am - 6:00pm
 Sunday: NO WORK

- Divert Northbound traffic in to center median lane, variation of Fig 4.3.2 of BC Traffic Manual
- Southbound traffic unaffected, signage to post construction ahead and reduce speed.
- Pedestrians to use existing sidewalks and crosswalks to go around work zone
- LCT on site to oversee TMP and assist in any traffic concerns
- All signs & delineators to be removed during non working hours
- CMBC to be notified 48 hrs prior
- Business properties to be given notice of work prior to start

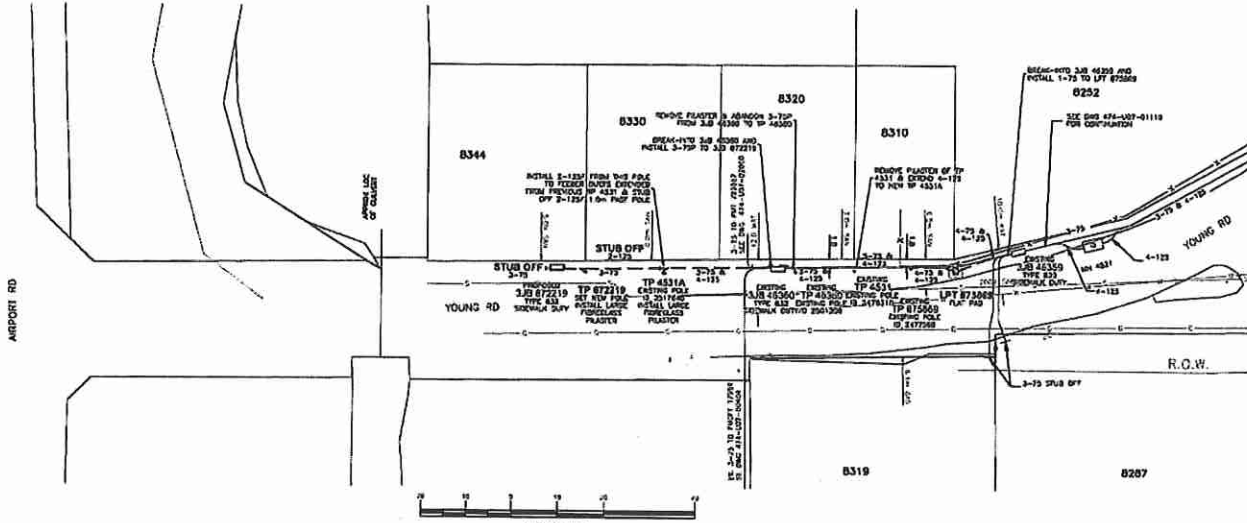
CLIENT: BC Hydro
DATE: Oct 23, 2017
PROJECT: Underground Duct & Structures
 FV-CHK-015
 8310 Young Rd, Chilliwack
 DWG# 474-U07-02237
TMP BY: Kevin Sousa, Ponte Bros
PAGES: 1 page (PHASE 1)

- If the speed limit is 60 km/h or less the upstream TW-61R may be omitted and the C-18 moved downstream by 4'.
- Substitution for the Fab sign may be made as indicated in the following table:

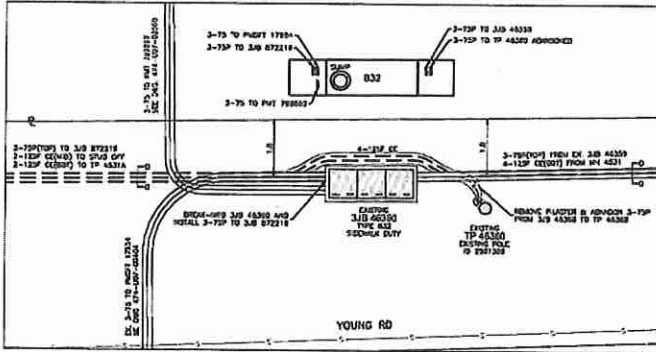
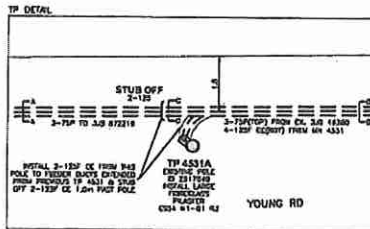
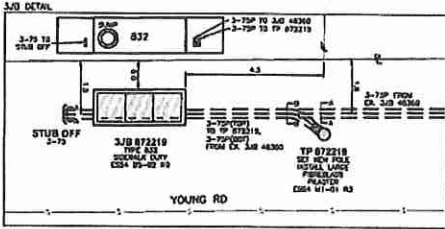
Speed Limit	Light Condition	Workers or Work Vehicle Present	No Workers or Vehicles Present
≥ 60	Day	C-63 plus 360° & 4 way flashers or C-53 plus HLWD	C-63 plus HLWD
	Night	C-63 plus 360° & 4 way flashers	C-63 plus Type A flashers
≥ 70	Day	No Substitution	C-63 plus HLWD
	Night	No Substitution	C-63 plus Type A flashers

THIS TRAFFIC PLAN HAS BEEN PREPARED BY PONTE BROS CONTRACTING LTD. BASED, IN PART, ON INFORMATION PROVIDED BY THIRD PARTIES. EVERY EFFORT HAS BEEN MADE TO ENSURE THAT THE PLAN CONFORMS TO THE REQUIREMENTS OF THE MOTOR VEHICLE ACT (RSBC 1986) CHAPTER 318 AND REGULATIONS AND TO THE BC TRAFFIC CONTROL MANUAL. IMPLEMENTATION OF THIS PLAN WILL BE UNDER THE SUPERVISION OF PONTE BROS CONTRACTING LTD. WHO TAKES NO RESPONSIBILITY FOR THE USES TO WHICH THIS PLAN IS PUT BY THIRD PARTIES NOT DIRECTLY UNDER THE SUPERVISION OF PONTE BROS CONTRACTING LTD.

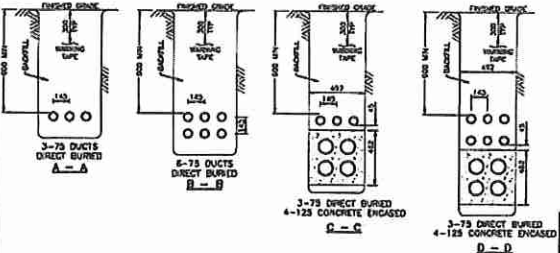
SEE TABLE A



PLAN 1:500

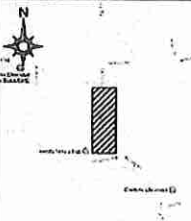


DETAILS N.T.S.



TRENCH DETAILS N.T.S.

UNDERGROUND UTILITY CHANGES		
NO.	DESCRIPTION	DATE



WORK LOCATION N.T.S.

BC ONE CALL
 CALL BEFORE YOU DIG
 1-800-4-A-HEAD
 CALL AT LEAST 3 FULL
 BUSINESS DAYS BEFORE
 YOU PLAN TO DIG



- BC SPEC. 133A NOTES:**
- ALL UNDERGROUND UTILITIES LOCATED MUST BE MARKED AS SHOWN FROM THE COMPANIES LISTED BELOW TO BE RECORDED BY ACCORDANCE WITH CLAUSE 9 OF THE SPECIFICATIONS. THE LOCATION OF ANY UNRECORDED UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UTILITIES BEFORE ANY WORK IS BEGUN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE RELEVANT AGENCIES BEFORE ANY WORK IS BEGUN.
 - ALL UTILITIES LOCATED MUST BE MARKED BY THE CONTRACTOR WITH RED FLAGGING AND SURFACE MARKING AT 1.0M INTERVALS AND 0.3M VERTICALLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE RELEVANT AGENCIES BEFORE ANY WORK IS BEGUN.
 - ALL UTILITIES LOCATED MUST BE MARKED BY THE CONTRACTOR WITH RED FLAGGING AND SURFACE MARKING AT 1.0M INTERVALS AND 0.3M VERTICALLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE RELEVANT AGENCIES BEFORE ANY WORK IS BEGUN.
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CUSTOMER NOTICE (IF APPLICABLE)

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- SYMBOL LEGEND:**
- PROPOSED DUCT
 - - - EXISTING DUCT
 - - - FIELD CONDUIT BUILT
 - SERVICE BOX
 - TRENCH POLE
 - LOW PROFILE TRANSFORMER (OPT-PRAND PNO)
 - LOW PROFILE TRANSFORMER (OPT)
 - POLE MOUNT TRANSFORMER (PMT)
 - 24" Ø 18" JUNCTION & FINAL BOXES (B&B, B&B, B&B & 1302)
 - PRECAST MANHOLE
 - VISTA SWITCH SUBSTATION (VSS)
 - VISTA SWITCH ABOVE GROUND (VSSA)

REFER TO SPEC AND DRAWING UNDERGROUND STRUCTURES

CSA S250 ACCURACY IAD 83 - 10 UTM
 BASE ACCURACY LEVEL ± 4/- 1000 mm
 ASS ACCURACY LEVEL ± 4/- 1000 mm

BC Hydro T&D ENGINEERING & DESIGN

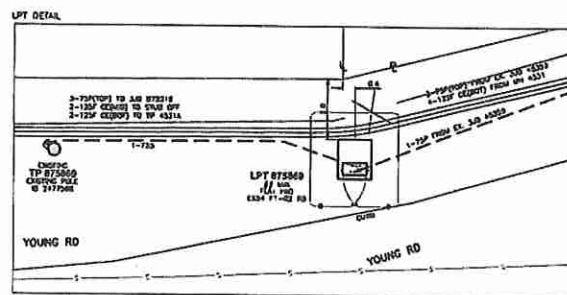
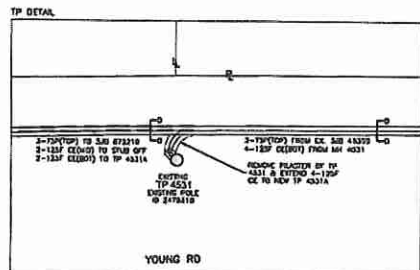
FRASER VILLAGE EAST
ABBOTSFORD DISTRICT OFFICE
UNDERGROUND DUCT & STRUCTURES FOR
FV-CH4-016
8310 YOUNG RD
CHILLIWACK

ISSUED FOR CONSTRUCTION

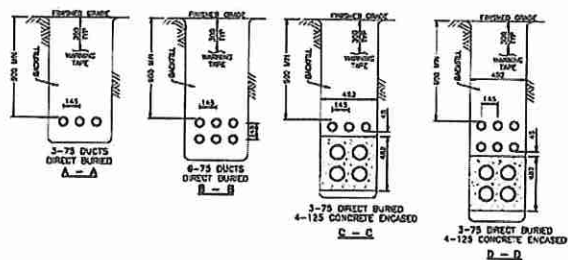
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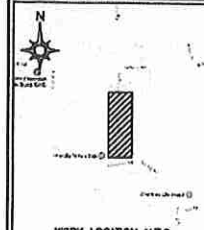
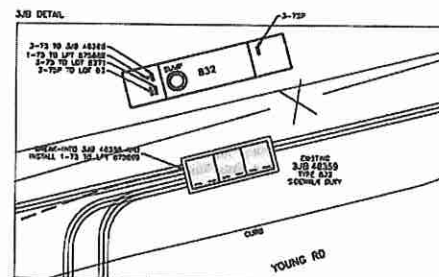
REV 2.01 MARCH 12, 2014



DETAILS
N.T.S.



TRENCH DETAILS
N.T.S.



WORK LOCATION N.T.S.

- BC ONE CALL**
CALL BEFORE YOU DIG
1-800-474-4343
CALL AT LEAST 3 FULL
BUSINESS DAYS BEFORE
YOU PLAN TO DIG
- CSA SPEC. 1321 NOTES:**
1. ALL HYDRO UNDERGROUND CABLES SHOULD BE IDENTIFIED AS SUCH PRIOR TO CONSTRUCTION.
 2. ALL WORK TO BE PERFORMED IN ACCORDANCE WITH CLASS OF WORK SPECIFICATIONS, LINES AND ALL HYDRO UNDERGROUND STANDARDS AND CODES.
 3. ALL CABLES INSTALLED MUST BE IDENTIFIED BY PUBLIC OR PRIVATE PROPERTY SHOULD BE IDENTIFIED BY THE CONTRACTOR AND ALL FACTORS SHOULD BE IDENTIFIED BY THE CONTRACTOR.
 4. ALL UTILITY EXISTING TRENCH MUST BE IDENTIFIED BY THE CONTRACTOR AND ALL FACTORS SHOULD BE IDENTIFIED BY THE CONTRACTOR.
 5. ALL UTILITY EXISTING TRENCH MUST BE IDENTIFIED BY THE CONTRACTOR AND ALL FACTORS SHOULD BE IDENTIFIED BY THE CONTRACTOR.
 6. OFFICE HOURS: 8:00 AM TO 5:00 PM, MONDAY TO FRIDAY. ALL WORK TO BE PERFORMED DURING THESE HOURS. COMMUNICATIONS FOR CURRENT INFORMATION SHOULD BE BY THE CONTRACTOR.
 7. ALL OFFICES SHOULD BE IDENTIFIED BY THE CONTRACTOR.
 8. WORKER SHOULD BE IDENTIFIED BY THE CONTRACTOR.
 9. TRANSFORMER MUST BE A MIN. OF 1.5M FROM ANY EXISTING OR PROPOSED TRENCH. THE LOCATION OF ALL TRANSFORMERS SHOULD BE IDENTIFIED BY THE CONTRACTOR.
 10. FOR TRANSFORMER AND COUNTERS, THE CONTRACTOR SHOULD BE IDENTIFIED BY THE CONTRACTOR.
 11. THE CONTRACTOR SHOULD BE IDENTIFIED BY THE CONTRACTOR.
 12. THIS SERVICE MUST BE IDENTIFIED BY THE CONTRACTOR.

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ISSUED FOR CONSTRUCTION

- CIVIL PLAN LEGEND:**
- PREPARED DUCT
 - EXISTING DUCT
 - FIELD COMPLETED DUCT
 - SERVICE BOX
 - TRENCH POLE
 - 150V TRANSFORMER (LPT-150V)
 - 150V TRANSFORMER (LPT)
 - 3M x 1.5M JUNCTION & PULL BOXES (152, 152, 152 & 152)
 - PRECAST MANHOLE
 - VEGA DUCTH SUBMERGIBLE (VMS)
 - VEGA DUCTH ABOVE GROUND (VMS)
- REFER TO ISSA AND EXHA UNDERGROUND STANDARDS**
- CSA 5230 ACCURACY 1:50 83 - 10 LITM
BASE ACCURACY LEVEL: ± 1000 mm
ASB ACCURACY LEVEL: ± 1000 mm

NO.	DATE	DESCRIPTION	BY	CHKD	APPD
5					
4					
3					
2	2019-09-11	ISSUED FOR CONSTRUCTION	EL		
1					

BC Hydro T&D ENGINEERING & DESIGN

FRASER VILLAGE EAST
ABBOTSFORD DISTRICT OFFICE
UNDERGROUND DUCT & STRUCTURES FOR
FV-CHK-015
8310 YOUNG RD
CHILLIWACK

474-U07-02237 SHEET 2 OF 2

REV. 2.01 MARCH 17, 2017