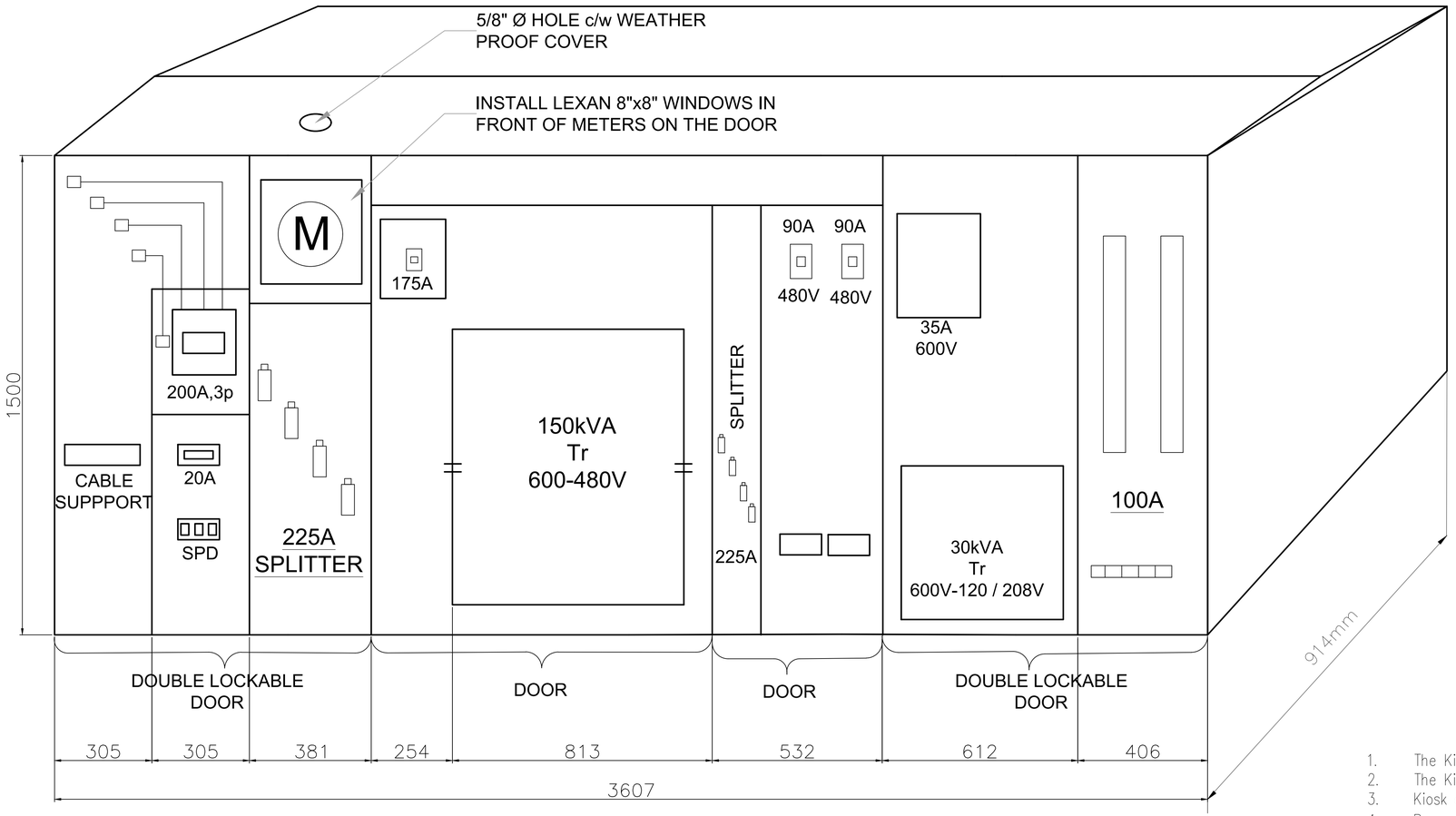


ISOMETRIC VIEW

NOT FOR CONSTRUCTION

ISSUED FOR INFORMATION

1. The Kiosk Shall meet BC Hydro Standard for metering
2. The Kiosk shall meet BC Hydro requirements for service entrance
3. Kiosk enclosure shall be CSA approved type 3 and made of 12GA stainless steel.
4. Proper vandal-proof lockable handles shall be provided as per BC Hydro access requirements (double padlocking)
5. Kiosk shall be powder coated RAL9005 Black.
6. Kiosk shall be complete with peaked roof and gutter.
7. Kiosk shall be factory wired, tested and inspected.
8. All bonding terminals shall be wired directly to main grounding terminal.
9. All circuit breakers shall be bolt-on type.
10. All busses, transformer windings and conductors shall be copper.
11. Kiosk shall be c/w terminal blocks (#10 - #2AWG).
12. SPD shall be Advanced Protection Technology.
13. Kiosk c/w light activated by door switch and , 50kA GFCI receptacle.
14. Panels shall have lamacoid name plates indicating voltages & labeling all equipment.
15. Kiosk shall have filtered ventilation system.
16. A printed panel directory shall be located on the inside of the panel door.
17. All doors to have a rubber neoprene gasket and to be bonded with bare ribbon type conductors.
18. Preferred size as small as possible.
19. Arc flash labels on all cover plates as per CSA Z462.
20. Contractor shall supply kiosk shop drawing to COV for review/acceptance prior manufacturing.

CALL BC ONE BEFORE YOU DIG.

OVERHEAD POWER LINE CONFLICTS

CONTRACTOR SHALL CONFIRM ON-SITE PRIOR TO CONSTRUCTION THAT POLES AND EQUIPMENT WILL MEET WORKSPACE BC CLEARANCE REQUIREMENTS FOR OVERHEAD PRIMARY AND SECONDARY LINES. IF ANY CONFLICTS OR DISCREPANCIES ARE IDENTIFIED, OPERATIONS TO CONTACT ELECTRICAL DESIGN PRIOR TO COMMENCING CONSTRUCTION

CITY OF VANCOUVER

* GAS PRESSURE OVER 100 P.S.I.

BEFORE CROSSING OR CONSTRUCTING WITHIN 2.0 METERS OF PIPELINE APPLY TO FORTIS BC GAS

DISCLAIMER FOR UTILITY DATA:

THE ELECTRICAL BRANCH OF COV ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OR COMPLETENESS OF THE FIELD INFORMATION ON THE DRAWING. ALL WORK CARRIED OUT IS DONE WHOLLY AT THE RISK OF THE PARTY UNDERTAKING THE WORK WHO AGREES, AS A CONDITION OF SUCH UNDERTAKING, TO RELEASE THE CITY OF VANCOUVER FROM ALL LIABILITY. LOCATION UTILITIES SHOULD ALWAYS BE CONFIRMED BY MANUAL DIGGING.

CITY OF VANCOUVER

JAPANESE BEETLE REGULATED AREA

(Burrard Street to Clark Drive, 12th Ave to Waterfront)

MOVEMENT CERTIFICATE MUST BE OBTAINED FOR ALL SOIL MOVEMENT OUTSIDE OF THE REGULATED AREA.

CITY OF VANCOUVER

HIGH VOLTAGE TRANSMISSION DUCT

BEFORE CROSSING OR CONSTRUCTING WITHIN 6 METERS OF DUCT CONTACT BC HYDRO TRANSMISSION

ATTENTION

VANCOUVER PARKS BOARD 257-8600 MUST BE CONTACTED 5 WORKING DAYS BEFORE START OF CONSTRUCTION

CITY OF VANCOUVER
Engineering Services

REV. NO.	DATE(YY.MON.DD)	DESCRIPTION	DRAWN	DESIGN	ENG. CHECK	REFERENCE DRAWINGS
0	2020.APR.27	PRELIMINARY DRAWING	JL	GB	MJ	REF# DRAWING NUMBER

"BY SEALING AND SIGNING THIS DRAWING, I CERTIFY THAT THE INFORMATION CONTAINED IN THESE DRAWINGS ACCURATELY REFLECTS THE ORIGINAL DESIGN, ADDENDA, CHANGE ORDERS AND MATERIAL DESIGN CHANGES MADE DURING CONSTRUCTION AND FIELD REVIEWED BY ME, OR MY REPRESENTATIVE , AND THAT THE AS-CONSTRUCTED WORKS SUBTANTIALLY COMPLY WITH THE ORIGINAL DESIGN INTENT, HOWEVER, DO NOT ACCEPT RESPONSIBILITY FOR THE ACCURACY OR COMPLETENESS OF THE AS-CONSTRUCTED INFORMATION SUPPLIED BY OTHERS CONTAINED IN THESE DRAWINGS."

ATTENTION
UNITS SHOWN ON THIS PLAN ARE IN METRES

CSA S250 ACCURACY NAD85-10UTM

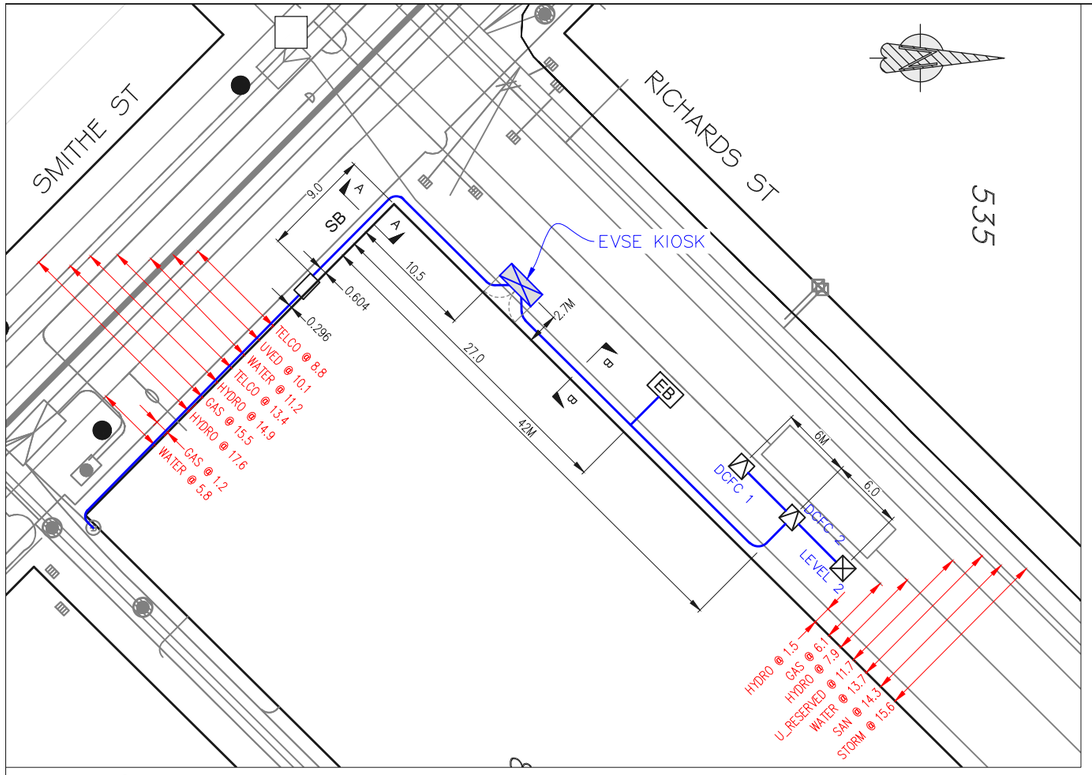
BASE ACCURACY LEVEL: 4+/-1000MM

ASB ACCURACY LEVEL: 4+/-1000MM

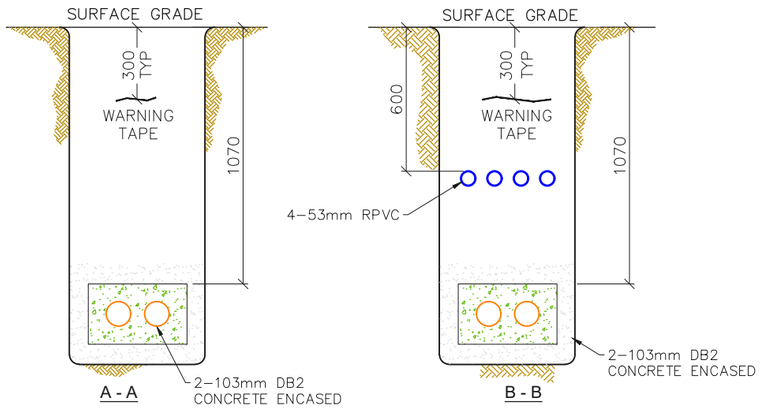
TEOD - ELECTRICAL DESIGN

EVSE EQUIPMENT LAYOUT & SPECIFICATION
RICHARDS STREET AT SMITHE STREET
STREET LIGHT DESIGN

PROJECT NUMBER	SCALE:	SHEET	REV
10216-20-ED_1	AS NOTED	1 OF 1	0

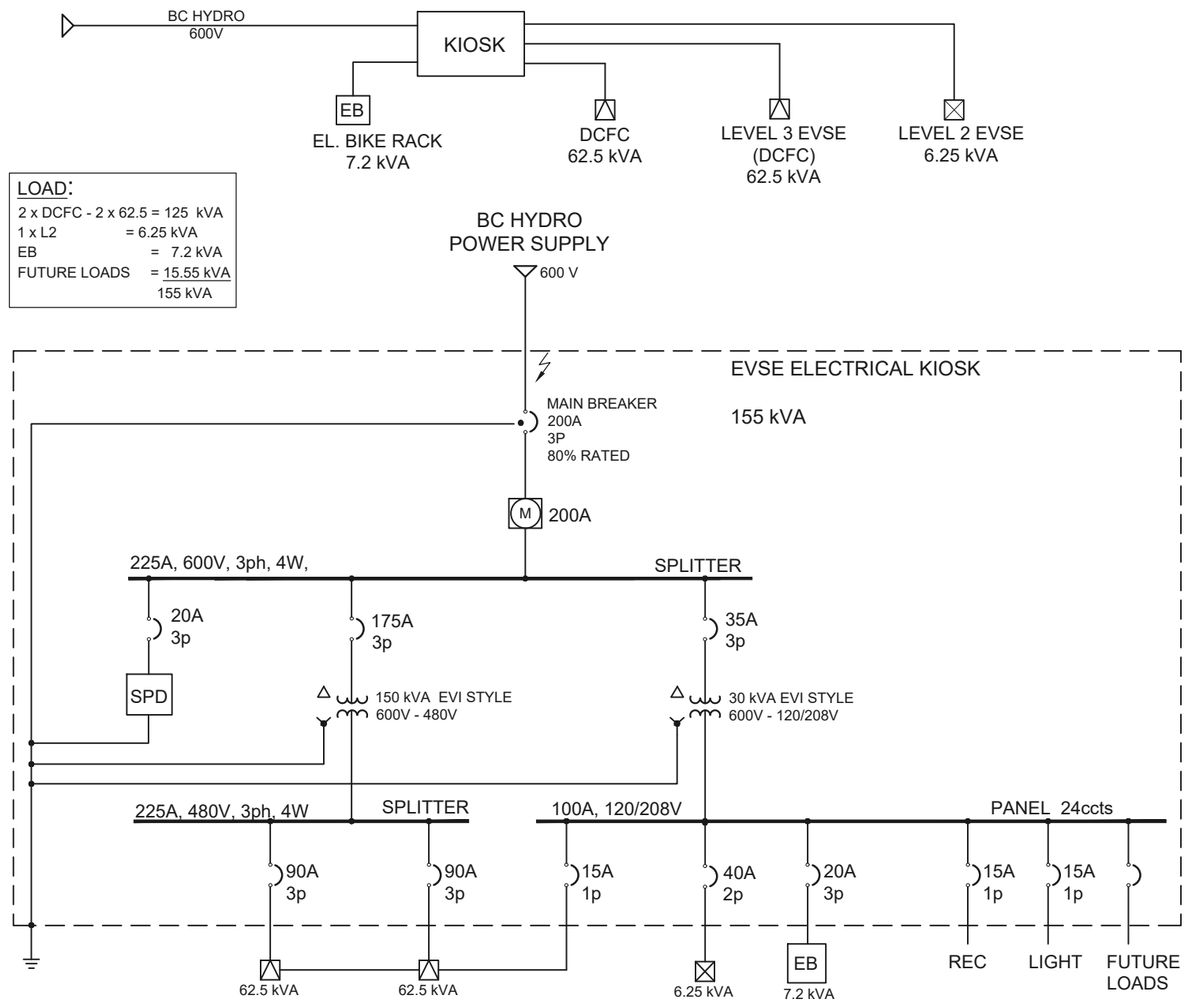


PLAN LAYOUT
SCALE: 1:500



TRENCH DETAILS
SCALE: 1:25

LEGEND:
- PROPOSED CONDUIT
- DC FAST CHARGER (DCFC)
- LEVEL 2
- EVSE KIOSK
- EB ELECTRIC BIKE



SINGLE LINE DIAGRAM

DISCLAIMER FOR UTILITY DATA:

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ATTENTION
VANCOUVER PARKS BOARD
257-8600 MUST BE CONTACTED
5 WORKING DAYS BEFORE
START OF CONSTRUCTION

CALL BC ONE BEFORE YOU DIG

OVERHEAD POWER LINE CONFLICTS
CONTRACTOR SHALL CONFIRM ON-SITE PRIOR TO CONSTRUCTION THAT POLES AND EQUIPMENT WILL MEET WORKSPACE BC CLEARANCE REQUIREMENTS FOR OVERHEAD PRIMARY AND SECONDARY LINES. IF ANY CONFLICTS OR DISCREPANCIES ARE IDENTIFIED, OPERATIONS TO CONTACT ELECTRICAL DESIGN PRIOR TO COMMENCING CONSTRUCTION

CITY OF VANCOUVER
HIGH VOLTAGE TRANSMISSION DUCT
BEFORE CROSSING OR CONSTRUCTING WITHIN 6 METERS OF DUCT
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CITY OF VANCOUVER
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CITY OF VANCOUVER
JAPANESE BEETLE REGULATED AREA
(Burrard Street to Clark Drive, 12th Ave to Waterfront)
MOVEMENT CERTIFICATE MUST BE OBTAINED FOR ALL SOIL MOVEMENT OUTSIDE OF THE REGULATED AREA.

PRELIMINARY
DESIGN DRAWING
APRIL 22, 2020

CITY OF VANCOUVER

NO.	DATE	REVISION	DWG	DESIGN
NO.	DATE	REVISION	DWG	DESIGN

ATTENTION
UNITS SHOWN ON THIS PLAN ARE IN METRES
BASED ON GEODETIC DATUM.
UTM Zone 10 NAD 83

ENGINEERING

CITY OF VANCOUVER - ENGINEERING SERVICES

ELECTRICAL DESIGN BRANCH		RICHARDS & SMITHE ST EVSE ELECTRICAL KIOSK	SCALE: AS NOTED
DRAWN BY: VBP	DESIGN BY: GB		DATE:
DRAWING CHECKED:	DESIGN CHECKED:		DRAWING NUMBER: 10216-20-ED
REFERENCES: M-954			SHEET....1.. OF....1.. REVISION:.....

H:\SLIGHT_PROJECTS\10200 - 10299\10216-20-ED Richards & Smithe EVSE Electrical Kiosk PS\ACAD\10216-20-ED 5/5/2020 1:20 PM