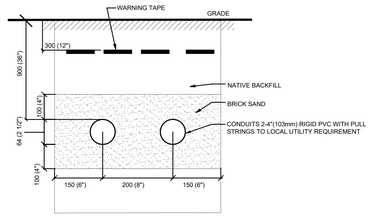
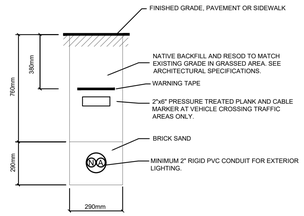


DETAIL #1 - COMMUNICATIONS/CATV TRENCH DETAIL

SCALE: NTS



NOTES:
- PROVIDE CSA APPROVED UNDERGROUND PULL BOX FOR EVERY 360 DEGREE
- CONDUIT BENDS IN COMPLIANCE WITH OESC.

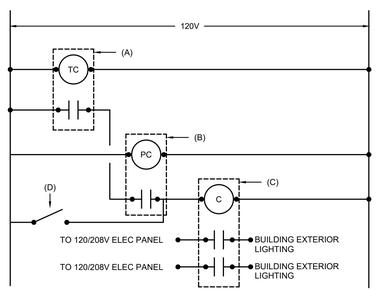
DETAIL # 2 - LIGHTING - TRENCH DETAIL

SCALE: NTS

NOTE: COORDINATE EXACT ANCHORING REQUIREMENTS AND CONCRETE BASE DIAMETER WITH POLE MANUFACTURER

DETAIL #3 - AREA LIGHT FIXTURE POLE BASE DETAIL

SCALE: NTS



A. 7 DAY, 24 HOUR PROGRAMMABLE TIMECLOCK, SPST, 120V COIL, 10A RATED CONTACTS

B. PHOTO CELL, 120V, 2000W RATED MOUNTED ON EXTERIOR OF BUILDING.

C. LIGHTING CONTACTOR, 120V COIL, 20A 120V RATED CONTACTS IN TYPE 1 ENCLOSURE.

D. 20A, 120V SPST SWITCH

DETAIL #4 - SITE LIGHTING CONTROL SCHEMATIC

SCALE: NTS

HORIZONTAL LIGHT CALCULATION STATISTICS

DESCRIPTION	AVG (Fc)	MAX (Fc)	MIN (Fc)
PARKING LOT	2.0	4.4	0.1
BUILDING PERIMETER	1.7	11.0	0.1
TOWNHOUSES PERIMETER	1.2	6.3	0.1
LANDSCAPE AREA	0.8	4.0	0.1
COMMUNITY GARDEN	0.7	3.9	0.1

SITE LIGHTING FIXTURE SCHEDULE

FIXTURE TAG	DESCRIPTION AND MODEL SERIES	INPUT	LIGHT SOURCE	MOUNTING
XA	6" LOW PROFILE RECESSED ROUND DOWNLIGHT. SUITABLE FOR OUTSIDE APPLICATION. LITHONIA LIGHTING: WF6 SERIES OR APPROVED EQUAL.	120V 13.4W	LED 1159L 3500K 80CRI	RECESSED
YA	LED WALL PACK, FULL-CUTOFF DOWNLIGHT. LITHONIA LIGHTING: WPX1 SERIES OR APPROVED EQUAL.	120V 26.26W	LED 2749L 3000K 70CRI	WALL MOUNT @ 2.8m A.F.G
ZA	FULL CUT OFF, POLE MOUNTED AREA LIGHTING FIXTURE C/W HOUSE SIDE SHIELD. PROVIDE SQUARE POLE MOUNTING KIT. LITHONIA LIGHTING: RSX1 LED P2 SERIES OR APPROVED EQUAL.	MVOLT 72.95W	LED 6288L 3000K 70CRI TYPE 3 DISTIBUTION	POLE MOUNT @6.1m A.F.G
ZB	FULL CUT OFF, POLE MOUNTED AREA LIGHTING FIXTURE C/W HOUSE SIDE SHIELD. PROVIDE SQUARE POLE MOUNTING KIT. LITHONIA LIGHTING: RSX1 LED P1 SERIES OR APPROVED EQUAL.	MVOLT 51.34W	LED 4533L 3000K 70CRI TYPE 3 DISTRIBUTION	POLE MOUNT @6.1m A.F.G
ZC	FULL CUT OFF, POLE MOUNTED AREA LIGHTING FIXTURE C/W HOUSE SIDE SHIELD. PROVIDE SQUARE POLE MOUNTING KIT. LITHONIA LIGHTING: RSX1 LED P3 SERIES OR APPROVED EQUAL.	MVOLT 109.44W	LED 8958L 3000K 70CRI TYPE 3 DISTRIBUTION	POLE MOUNT @6.1m A.F.G
ZD	FULL CUT OFF, POLE MOUNTED AREA LIGHTING FIXTURE C/W EXTERNAL 360 FULL VISOR. PROVIDE SQUARE POLE MOUNTING KIT. LITHONIA LIGHTING: RSX1 LED P3 SERIES OR APPROVED EQUAL.	MVOLT 109.44W	LED 3532L 3000K 70CRI TYPE 5 DISTRIBUTION	POLE MOUNT @6.1m A.F.G

NOTES:
- PROVIDE ALL NECESSARY MOUNTING HARDWARE FOR A COMPLETE INSTALLATION.

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	POLE LIGHT
	WALL SCONCE/WALL PACK
	POT LIGHT
PC	EXTERIOR PHOTO SENSOR
EV	DUAL ELECTRIC VEHICLE CHARGING STATION

GENERAL NOTES:

1. DO NOT SCALE THE DRAWING, CONFIRM EXACT LOCATION(S) ON SITE.
2. INSTALLATION SHALL COMPLY WITH APPLICABLE CODES AND STANDARDS: OBC, OESC, ANSI/ IESNA RP-8-18 LIGHTING FOR PARKING (Previous RP-20-14).
3. COORDINATE ELECTRICAL WORK WITH SITE SERVICES. PROVIDE ANY DISCREPANCIES TO CONSULTANT FOR REVIEW AND APPROVAL PRIOR TO ORDERING.
4. LIGHT FIXTURE FINISHES AND COLOUR TO BE CONFIRMED WITH ARCHITECT AND OWNER PRIOR TO ORDERING.
5. EXACT LOCATIONS FOR POWER, VOICE/DATA AND CABLE TV TO BE COORDINATED WITH THE LOCAL UTILITIES.

SITE PLAN LAYOUT

SCALE: 1:250

Callidus Engineering
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W www.callidus.ca E info@callidus.ca

KEYPLAN

REVISIONS

NO.	REVISIONS	DATE
00	ISSUED FOR CLIENT REVIEW	22.05.06
01	ISSUED FOR COORDINATION	22.05.11
02	ISSUED FOR SPA	22.05.24
03	REISSUED FOR SPA	22.08.29

NORTH

LICENSED PROFESSIONAL ENGINEER
L. T. A. NGUYEN
100183976
2022.08.29
PROVINCE OF ONTARIO

DESIGN	GP	DRAWN	GP
CHECKED	LN	REVIEWED	LN

PROJECT
WELLINGTON AFFORDABLE HOUSING MUR

ADDRESS
230 NILES STREET
WELLINGTON, ON.

PROJECT NO.
CE-5340

DRAWING TITLE
ELECTRICAL SITE PLAN

DRAWING NUMBER
E000