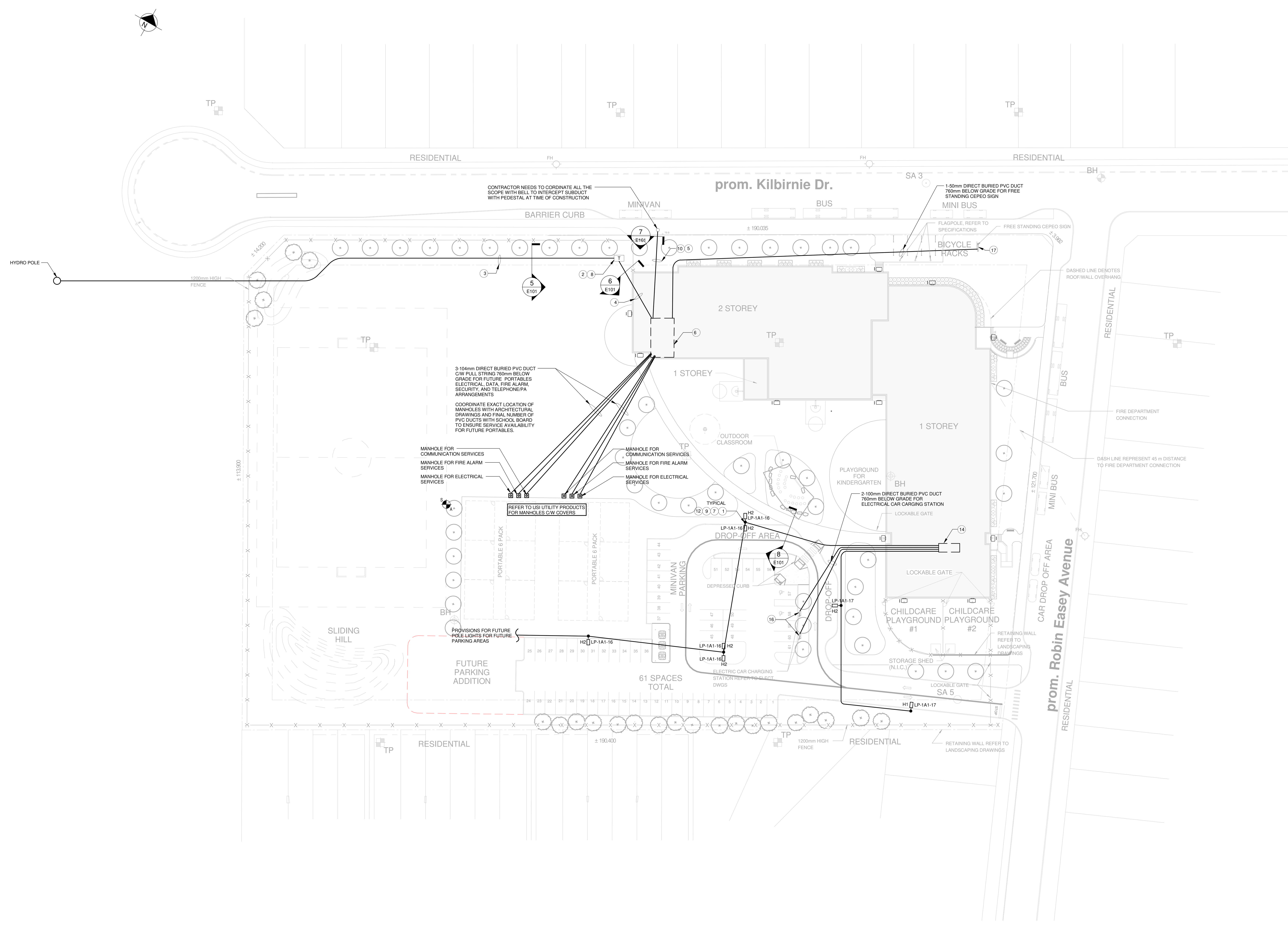
LIGHTING FIXTURE SCHEDULES											
TYPE	DESCRIPTION	CATALOGUE NUMBER	LAMPS PER FIXTURE					VOLTS	TOTAL WATTS	MOUNTING	REMARKS
			NO.	TYPE	WATTS	COLOUR	LUMENS				
H1	PREVAIL AREA AND ROADWAY LUMINAIRE LEDS AND TYPE III OPTICS WITH HOUSE SIDE SHIELD, BRONZE PAINTED FINISH	COOPER PRV-C40-D-UNV-T3-BZ-HSS	2	LED	-	4000 K	17100 lm	120 V	131 W	POLE (7M)	
H2	PREVAIL AREA AND ROADWAY LUMINAIRE LEDS AND TYPE IV OPTICS WITH HOUSE SIDE SHIELD, BRONZE PAINTED FINISH	COOPER PRV-C40-D-UNV-T4-BZ-HSS	2	LED	-	4000 K	17100 lm	120 V	131 W	POLE (7M)	



1 SITE PLAN
E100 1 : 400

SPECIFIC NOTES:

1. THIS FIXTURE TO BE PROVIDED WITH 610mm LONG MAST ARM.
2. PADMOUNT TRANSFORMER BY HYDRO OTTAWA. PROVIDE TRANSFORMER BASE TO HYDRO OTTAWA STANDARDS. PRECAST TRANSFORMER BASE AND BOLLARDS BY GENERAL CONTRACTOR. REFER TO HYDRO OTTAWA STANDARD DETAILS UFS0001, UGS0002 AND UTS0038.SEE DETAILS 1, 2 & 3 ON DRAWING E101.
3. 4-100mm CONCRETE ENCASED PVC DUCTS 1000mm BELOW GRADE FOR HYDRO OTTAWA PRIMARY CABLES. SEE DETAIL '5' ON DRAWING E101. WORK TO BE PERFORMED BY GENERAL TRADES TO HYDRO OTTAWA STANDARD DETAILS TO PADMOUNT TRANSFORMER REFER TO HYDRO OTTAWA STANDARD DETAILS UFS0001, UGS0002, UCS0025 AND UTS0038.
4. DIRECT BURIED SECONDARY FEEDERS IN PVC DUCTS. REFER TO SINGLE LINE DIAGRAM. SECONDARY FEEDERS REQUIRE COMPRESSION TYPE CONNECTORS AT THE PADMOUNT TRANSFORMER.
5. 2-100mm DIRECT BURIED PVC DUCT 760mm BELOW GRADE FOR TELEPHONE SERVICE FROM PROPERTY LINE TO BACKBOARD IN COMMUNICATIONS ROOM. SEE DETAIL '7' ON DRAWING E101.
6. SALLE ELECTRIQUE 134. REFER TO DETAILS ON DRAWING E700.
7. TYPICAL: SEE DETAIL '4' ON DRAWING E101 FOR CONCRETE BASE FOR LIGHT STANDARD.
8. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE TO INSTALL THE GROUNDING SYSTEM OF THE TRANSFORMER AS PER HYDRO-OTTAWA REQUIREMENTS & TO ACHIEVE A GROUNDING RESISTANCE OF LESS THAN 5 OHMS. ANY ROCK MATERIAL CLOSE TO THE SURFACE SHOULD BE EXCAVATED AND BACKFILLED WITH A SOIL MATERIAL THAT WILL HELP RETAIN MOISTURE.
9. ALL EXTERIOR BUILDING MOUNTED AND GROUNDS LIGHTING SHALL BE CONTROLLED BY PHOTOCELL, MOTION SENSOR AND BAS SCHEDULE AND SHALL AUTOMATICALLY 'TURN-OFF' THE LIGHTING WHEN SUFFICIENT DAYLIGHT IS AVAILABLE AND REDUCE CONNECTED LIGHTING POWER BY AT LEAST 30% DURING ANY PERIOD WHEN NO ACTIVITY HAS BEEN DETECTED FOR A TIME OF 15 MINUTES.
10. PROVIDE LONG SWEEP BENDS FOR COMMUNICATIONS DUCTS.
11. PROVIDE PHOTOCELL CONTROL OF OUTDOOR POLE MOUNTED LIGHTING CIRCUIT, MOUNTING HEIGHT APPROXIMATELY 3500mm AFF.
12. COORDINATE LIGHT POLE LOCATIONS WITH CURBS ON THE ISLAND THAT RECEIVE RUN-OFF FROM THE ASPHALT ROAD SURFACE.
13. COORDINATE LIGHT POLE LOCATIONS WITH CATCH BASINS.
14. SALLE ELECTRIQUE 121. REFER TO DETAILS ON DRAWING E700.
15. THREE DUCTS TO TERMINATE AT PROPERTY BOUNDARY JUST OPPOSITE LOCATION OF PROPOSED ROAD CROSSING FOR BELL COMMUNICATION NODE/PEDESTAL. COORDINATE EXACT LOCATION WITH BELL CANADA.
16. PROVISON FOR ELECTRICAL CAR CHARGING STATION.
17. PROVISON FOR FREE STANDING CEPEO SIGN.

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CONSULTANT - SUB CONSULTANT:

SEAL:

CLIENT:
Conseil des écoles publiques de l'Est de l'Ontario

CLIENT REF. #:

PROJECT:
ÉCOLE BARRHAVEN SUD

KEY PLAN:

ISSUED FOR - REVISION:

IS	RE	DATE	DESCRIPTION
	02	2022-04-13	ISSED FOR SITE PLAN APPLICATION
	01	2022-03-23	ISSUED FOR BID AND PERMIT

PROJECT NO: 219-00014-01	DATE: 2022-04-13
ORIGINAL SCALE: As indicated	IF THIS BAR IS NOT 25mm LONG, ADJUST YOUR PLOTTING SCALE. 25mm
DESIGNED BY: PB	
DRAWN BY: PB	
CHECKED BY: SS	

DISCIPLINE: ELECTRICAL

TITLE: SITE PLAN

SHEET NUMBER: E100

SHEET #: 2 OF 17

ISSUE: ISSED FOR SITE PLAN APPLICATION
DATE OF: 2022-04-13

REV #: 02