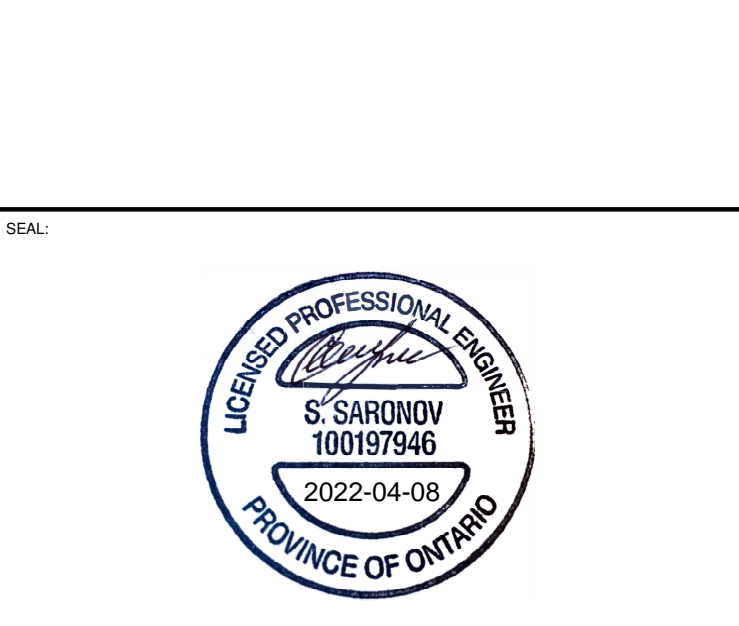


LIGHTING FIXTURE SCHEDULES										
TYPE	DESCRIPTION	CATALOGUE NUMBER	LAMPS PER FIXTURE				VOLTS	TOTAL WATTS	MOUNTING	REMARKS
			NO.	TYPE	WATTS	COLOUR				
H1	PREVAL AREA AND ROADWAY LUMINAIRE LEDS AND TYPE II OPTICS WITH HOUSE SIDE SHELD, BRONZE PAINTED FINISH	COOPER PRV C25-D-UNV-T2-BZ-HSS	2	LED	-	4000 K	6073 lm	120 V	96 W	POLE (TM)
H2	PREVAL AREA AND ROADWAY LUMINAIRE LEDS AND TYPE IV OPTICS WITH HOUSE SIDE SHELD, BRONZE PAINTED FINISH	COOPER PRV C40-D-UNV-T4-BZ-HSS	2	LED	-	4000 K	7759 lm	120 V	131 W	POLE (TM)
H3	PREVAL AREA AND ROADWAY LUMINAIRE LEDS AND TYPE IV OPTICS WITH HOUSE SIDE SHELD, BRONZE PAINTED FINISH	COOPER PRV C40-D-UNV-T5-BZ	2	LED	-	4000 K	9130 lm	120 V	131 W	POLE (TM)
I	IMPACT ELITE LED QUARTER SPHERE LUMINAIRE	COOPER ISS SA1F-740-U-T2	16	LED	-	4000 K	493 lm	120 V	66 W	WALL MOUNTED

- SPECIFIC NOTES:**
- THIS FIXTURE TO BE PROVIDED WITH 610mm LONG MAST ARM.
  - PADMOUNT TRANSFORMER BY HYDRO OTTAWA. PROVIDE TRANSFORMER BASE TO HYDRO OTTAWA STANDARDS. PRECAST TRANSFORMER BASE AND BOLLARDS BY GENERAL CONTRACTOR. REFER TO HYDRO OTTAWA STANDARDS SETS UFS0001, UGS0002 AND UTS0003. SEE DETAILS 1, 2 & 3 ON DRAWING E101.
  - 4-100mm CONCRETE ENCASED PVC DUCTS 1000mm BELOW GRADE FOR HYDRO OTTAWA PRIMARY CABLES. SEE DETAIL 7 ON DRAWING E101. WORK TO BE PERFORMED BY GENERAL TRADES TO HYDRO OTTAWA STANDARDS. REFER TO PADMOUNT TRANSFORMER REFER TO HYDRO OTTAWA STANDARDS SETS UFS0001, UGS0002, UCS0025 AND UTS0003.
  - DIRECT BURIED SECONDARY FEEDERS IN PVC DUCTS. REFER TO SINGLE LINE DIAGRAM. SECONDARY FEEDERS REQUIRE COMPRESSION TYPE CONNECTORS AT THE PADMOUNT TRANSFORMER.
  - 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.
  - SALLE ELECTRIQUE 134. REFER TO DETAILS ON DRAWING E700.
  - TYPICAL: SEE DETAIL 4' ON DRAWING E101 FOR CONCRETE BASE FOR LIGHT STANDARD.
  - 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.
  - 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.
  - PROVIDE LONG SWEEP BENDS FOR COMMUNICATIONS DUCTS.
  - PROVIDE PHOTOCELL CONTROL OF OUTDOOR POLE MOUNTED LIGHTING CIRCUIT. MOUNTING HEIGHT APPROXIMATELY 3000mm AFF.
  - COORDINATE LIGHT POLE LOCATIONS WITH CURBS ON THE ISLAND THAT RECEIVE RUN-OFF FROM THE ADJACENT ROAD SURFACE.
  - COORDINATE LIGHT POLE LOCATIONS WITH CATCH BASINS.
  - SALLE ELECTRIQUE 121. REFER TO DETAILS ON DRAWING E700.
  - THREE DUCTS TO TERMINATE AT PROPERTY BOUNDARY JUST OPPOSITE LOCATION OF PROPOSED ROAD CROSSING FOR BELL COMMUNICATION. COORDINATE EXACT LOCATION WITH BELL CANADA.
  - PROVISION FOR ELECTRICAL CAR CHARGING STATION.
  - PROVISION FOR FREE STANDING CEPEO SIGN.



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DESIGNED FOR: NEWCASTLE

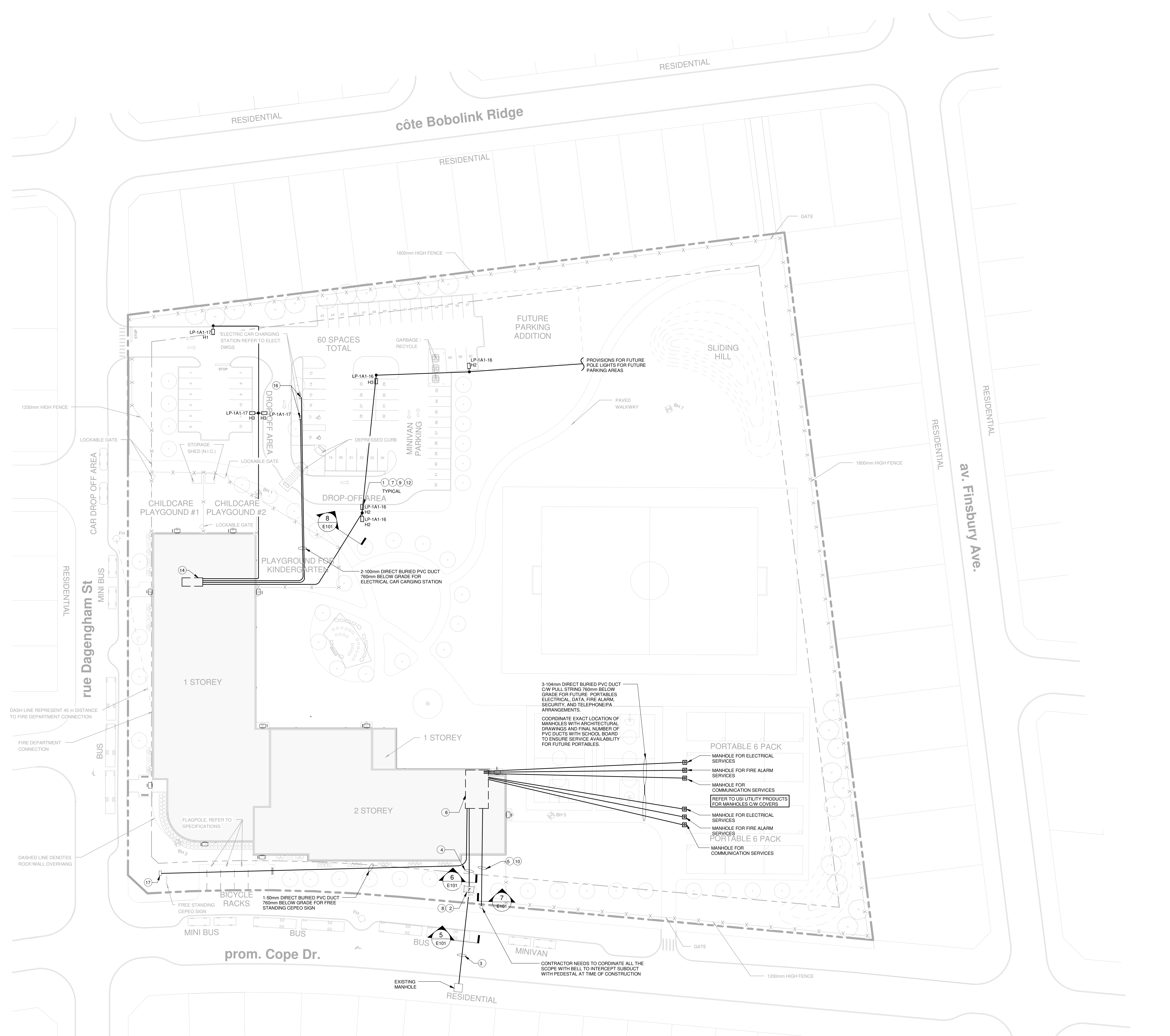
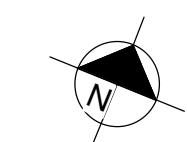
NO.	DATE	DESCRIPTION
05	2022-04-08	ISSUED FOR SITE PLAN APPLICATION
04	2022-03-21	ISSUED FOR BID AND PERMIT
03	2022-01-13	ISSUED FOR 95% CD REVIEW
02	2021-11-19	ISSUED FOR 65% CD REVIEW
01	2021-09-24	ISSUED FOR 60% CD REVIEW

PROJECT NO: 219-00014-00  
CONTRACT SCALE: 2022-04-08  
DESIGNED BY: AS INDICATED  
DRAWN BY: PB  
CHECKED BY: SB  
DISCIPLINE: ELECTRICAL

FILE: SITE PLAN

SHEET NUMBER: E100  
SHEET # 2 OF 17  
DATE OF: 2022-04-08

ISSUED FOR SITE PLAN APPLICATION 05



**SITE PLAN**  
1:400