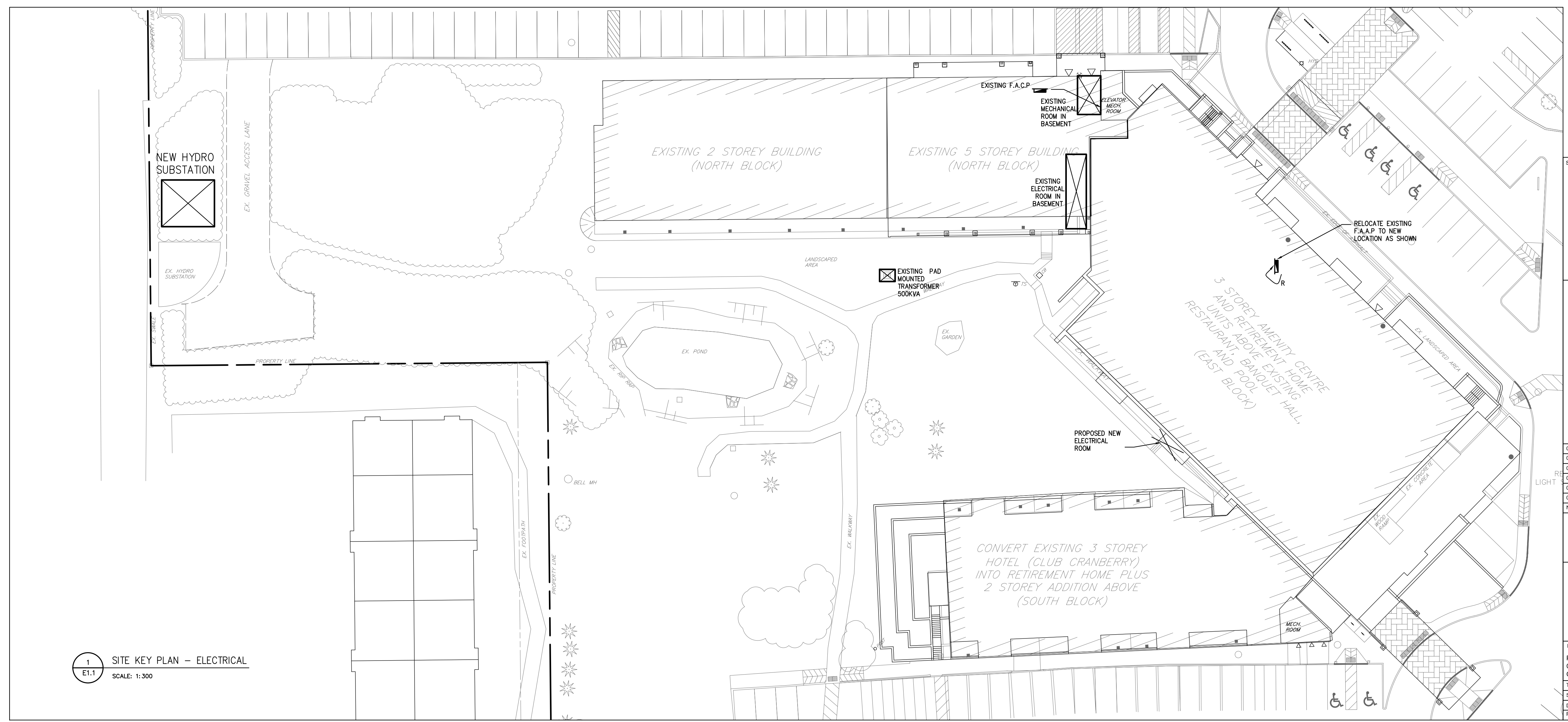
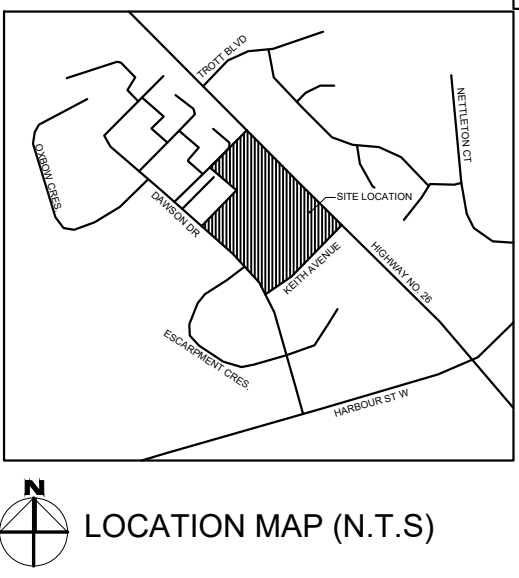
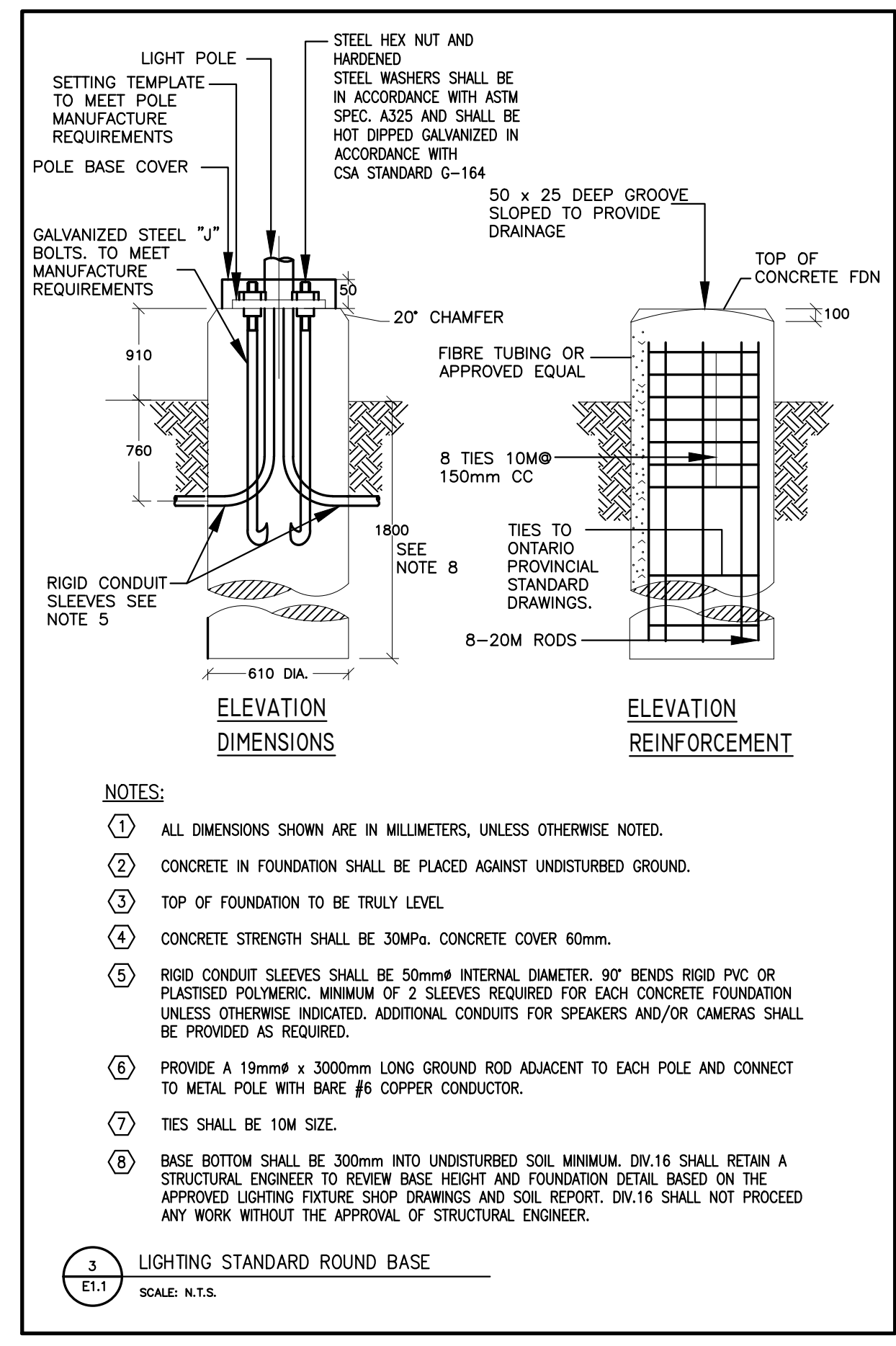
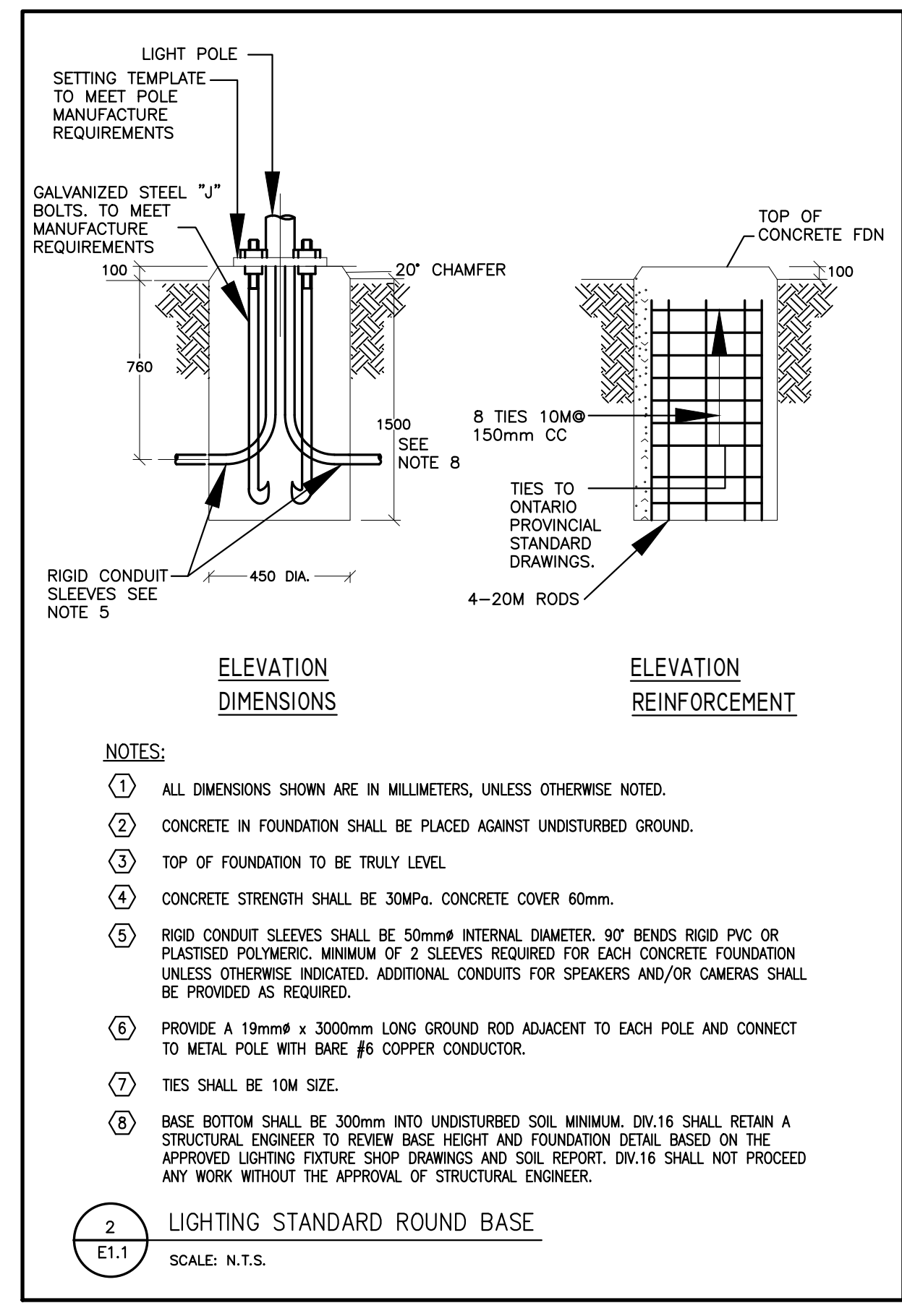


LUMINAIRE SCHEDULE					
TYPE	SYMBOL	DESCRIPTION	LAMP	BALLAST	REMARKS
W1		EXTERIOR FULL CUT-OFF ARCHITECTURAL LED WALLPACK, TYPE IV DISTRIBUTION; MOUNTING HEIGHT AT 5.53M AFG. BLACK FINISH. APPLICATION: EXTERIOR	28.6W LED, 4000K, 2783 LUM	347V ELECTRONIC LED DRIVER	HUBBELL LIGHTING #LNC2 SERIES OR APPROVED EQUAL.
W2		EXTERIOR FULL CUT-OFF ARCHITECTURAL LED WALLPACK, TYPE IV DISTRIBUTION; MOUNTING HEIGHT AT 5.53M AFG. BLACK FINISH. APPLICATION: EXTERIOR	170.5W LED, 4000K, 14118 LUM	347V ELECTRONIC LED DRIVER	HUBBELL LIGHTING #LNC4 SERIES OR APPROVED EQUAL.
L1		EXTERIOR SINGLE HEAD LED POLE LIGHT, LIGHT STANDARD C/W 5.09m HEIGHT POLE, 0.91m HEIGHT CONCRETE BASE. TYPE IV DISTRIBUTION, BLACK FINISH. C/W BACKLIGHT CONTROL. APPLICATION: EXTERIOR	67.9W LED, 4000K, 5428 LUM	347V ELECTRONIC LED DRIVER	HUBBELL KIM LIGHTING #RA17 SERIES OR APPROVED EQUAL.
L1a		SAME AS FIXTURE 'L1', EXCEPT C/W TYPE III DISTRIBUTION. APPLICATION: EXTERIOR	67.9W LED, 4000K, 5352 LUM	347V ELECTRONIC LED DRIVER	HUBBELL KIM LIGHTING #RA17 SERIES OR APPROVED EQUAL.
L2		EXTERIOR BACK TO BACK DOUBLE HEADS LED POLE LIGHT, LIGHT STANDARD C/W 5.09m HEIGHT POLE, 0.91m HEIGHT CONCRETE BASE. TYPE IV DISTRIBUTION, BLACK FINISH. APPLICATION: EXTERIOR	2 X 67.9W LED, 4000K, 2 X 5428 LUM	347V ELECTRONIC LED DRIVER	HUBBELL KIM LIGHTING #RA17 SERIES OR APPROVED EQUAL.
C1		6" DIA. EXTERIOR LED DOWNLIGHT, C/W 6" GALVANIZED STEEL HOUSING WITH FULL WRAPAROUND PLASTER FRAME, OPTICAL GRADE ACRYLIC LENS, BLACK FINISH. APPLICATION: EXTERIOR CANOPY	12W LED, 4000K, 1050LM	347V ELECTRONIC LED DRIVER	HUBBELL PRESOLITE #LBP6 SERIES OR APPROVED EQUAL.

CALCULATION SUMMARY							
LABEL	CALCU TYPE	UNITS	AVG	MAX	MIN	AVG/MIN	MAX/MIN
BF PARKING 1	ILLUMINANCE	LUX	50.00	132	30	1.67	4.40
BF PARKING 2	ILLUMINANCE	LUX	50.69	114	18	2.82	6.33
BF PARKING 3	ILLUMINANCE	LUX	53.93	139	31	1.74	4.48
PARKING 1	ILLUMINANCE	LUX	16.06	51.8	3.5	4.59	14.80
PROPERTY LINE	ILLUMINANCE	LUX	1.90	5.1	0.0	N.A.	N.A.
SOUTH ENTRANCE	ILLUMINANCE	LUX	67.19	99.9	35.0	1.92	2.85
SOUTH WALKWAY	ILLUMINANCE	LUX	12.61	34.8	6.8	1.85	5.12
OUTDOOR AMENITY	ILLUMINANCE	LUX	32.53	68.8	8.3	3.92	8.29

DRAWING LIST	
DWG. NO.	DRAWING TITLE
E1.1	SITE LIGHTING LAYOUT AND DETAILS - ELECTRICAL
E1.2	SITE LIGHTING LAYOUT
E1.3	SITE LIGHTING PHOTOMETRIC LAYOUT



STAMP

PROFESSIONAL ENGINEER
M. J. LI
DEC. 24, 2021
15132C
PROVINCE OF ONTARIO

06	REVISION FOR SPA	DEC 24, 21	ML
05	ISSUED FOR PRICING	NOV 24, 21	ML
04	REVISION FOR SPA	JAN 19, 21	ML
03	REVISION FOR SPA	JAN 19, 21	ML
02	ISSUED FOR REVIEW	DEC 08, 20	ML
01	ISSUED FOR SPA	AUG 12, 20	ML
NO	REVISION	DATE	

HL ENGINEERING LTD
14721 WOODBINE AVE. STOUFFVILLE, ON
L4A 2G7 905-713-0003 www.hleengineering.ca

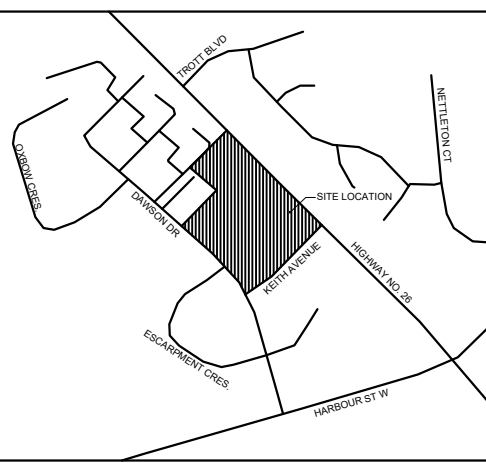
HENRY W CHIU
ARCHITECT

2347 KENNEDY ROAD
SUITE 501 SCARBOROUGH
ONTARIO M1T 3T8
TEL: 416-298-4085

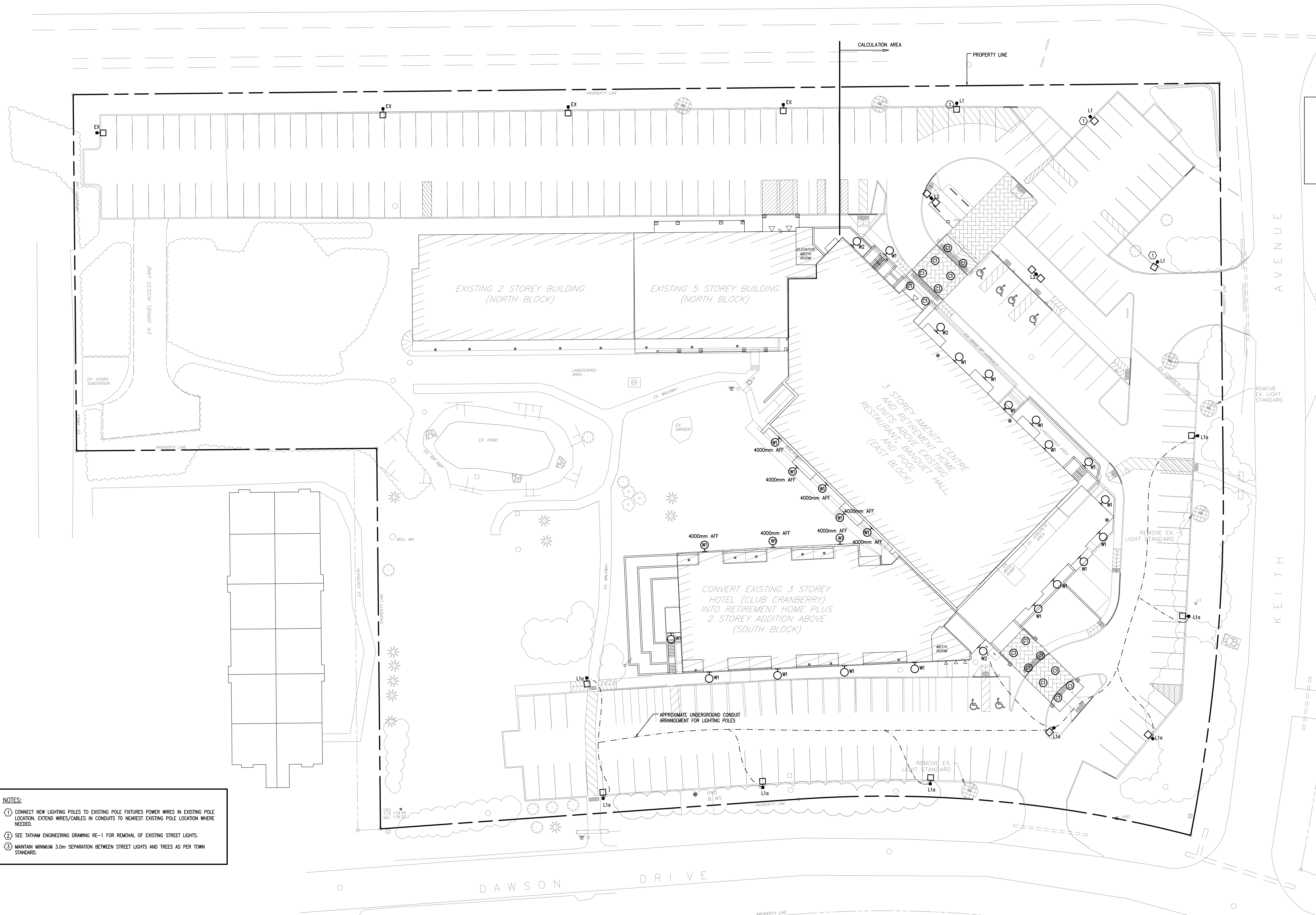
PROJECT TITLE
PROPOSED CLUB CRANBERRY EXTENSION
CRANBERRY RESORT, HWY 26 & KEITH AVE
COLLINGWOOD, ONTARIO

TITLE: SITE LIGHTING PLAN
SCALE: 1:300
DATE: FEB 20, 2020
PROJ NO: 15132C

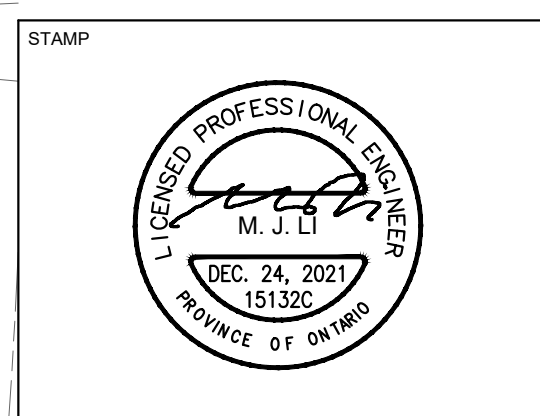
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ISSUED:
DWG NO: E-1.1



LOCATION MAP (N.T.S)



- NOTES:**
- ① CONNECT NEW LIGHTING POLES TO EXISTING POLE FIXTURES POWER WIRES IN EXISTING POLE LOCATION. EXTEND WIRES/CABLES IN CONDUITS TO NEAREST EXISTING POLE LOCATION WHERE NEEDED.
 - ② SEE TATHAM ENGINEERING DRAWING RE-1 FOR REMOVAL OF EXISTING STREET LIGHTS.
 - ③ MAINTAIN MINIMUM 3.0m SEPARATION BETWEEN STREET LIGHTS AND TREES AS PER TOWN STANDARD.



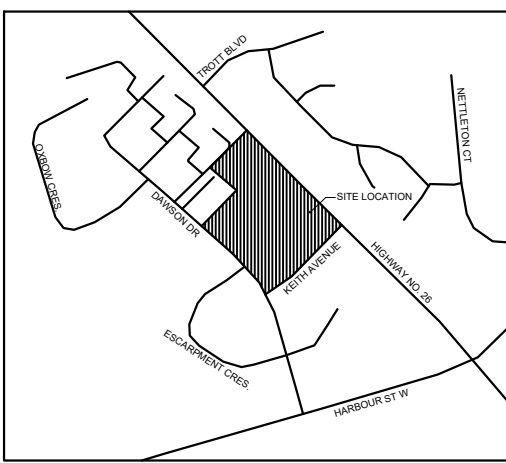
NO	REVISION	DATE	BY
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05	ISSUED FOR PRICING	NOV 24, 21	ML
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NO	REVISION	DATE	

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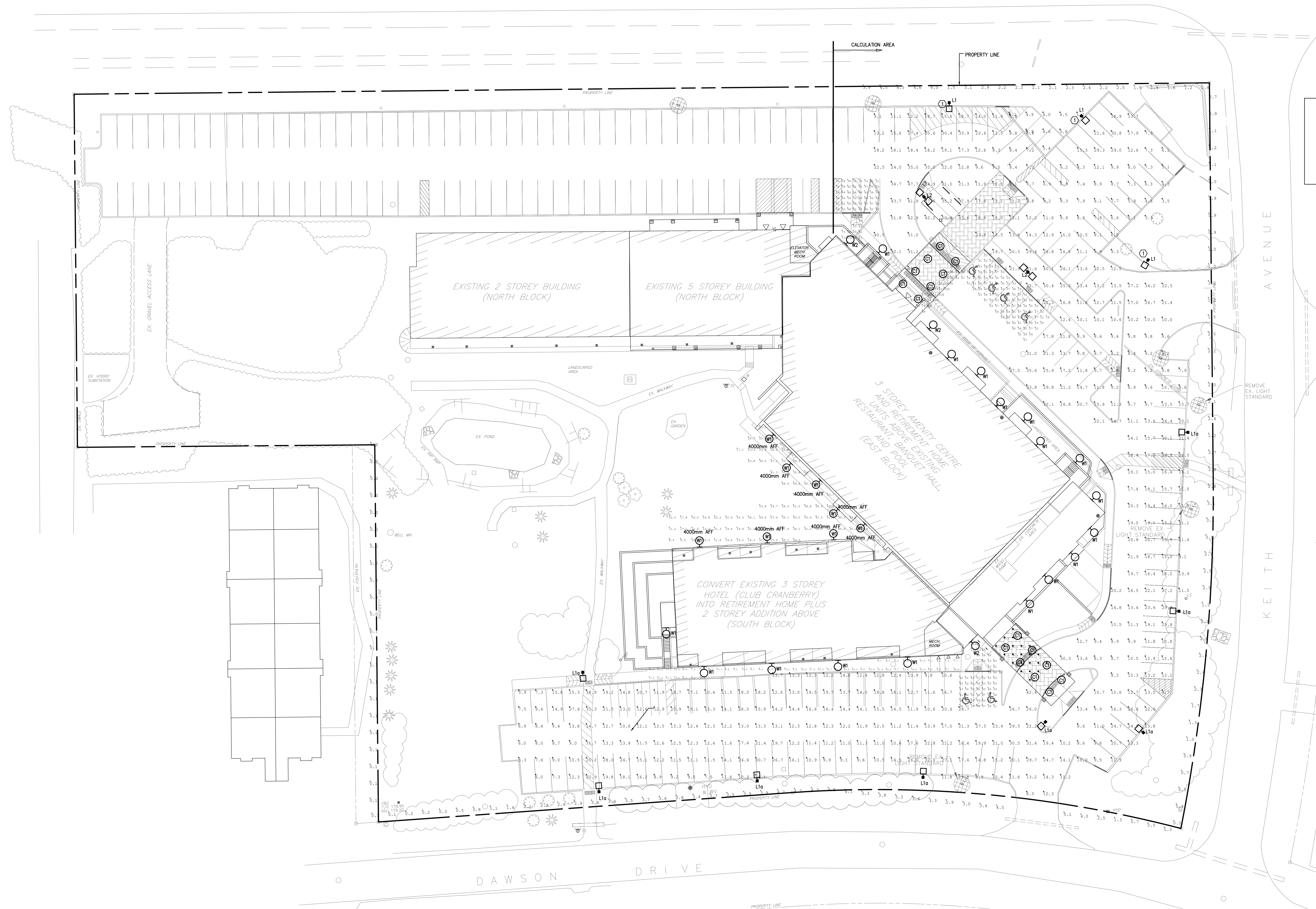
HENRY W CHIU ARCHITECT
 2347 KENNEDY ROAD
 SUITE 501 SCARBOROUGH
 ONTARIO M1T 3T8
 TEL: 416-298-4085

PROJECT TITLE	PROPOSED CLUB CRANBERRY EXTENSION CRANBERRY RESORT HWY 26 & KEITH AVE COLLINGWOOD, ONTARIO
TITLE	SITE LIGHTING LAYOUT
SCALE	1:300
DATE	FEB 20, 2020
PROJ NO	15132C
DRAWN BY	FRL
ISSUED	
DWG NO	E-1.2

1 SITE LIGHTING LAYOUT - ELECTRICAL
 E-1.2 SCALE: 1:300

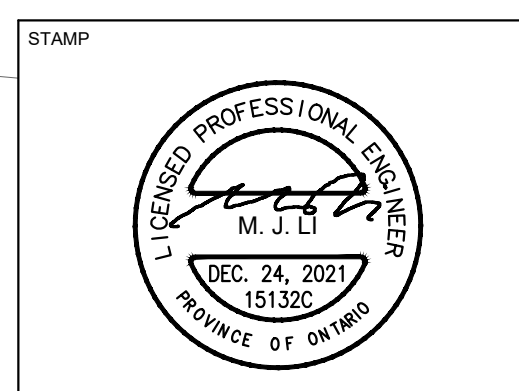


LOCATION MAP (N.T.S)



AVENUE
KEITH

DAWSON DRIVE



NO	REVISION	DATE	BY
06	REVISION FOR SPA	DEC 24, 21	ML
05	ISSUED FOR PRICING	NOV 24, 21	ML
04	REVISION FOR SPA	JAN 21, 21	ML
03	REVISION FOR SPA	JAN 19, 21	ML
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ONTARIO M1T 3T8
TEL: 416-298-4085

1 SITE LIGHTING PHOTOMETRIC LAYOUT – ELECTRICAL
E1.3 SCALE: 1:300

PROJECT TITLE	
PROPOSED CLUB CRANBERRY EXTENSION CRANBERRY RESORT, HWY 26 & KEITH AVE COLLINGWOOD, ONTARIO	
TITLE	DATE
SITE LIGHTING PHOTOMETRIC LAYOUT	FEB 20, 2020
SCALE	ISSUED
1:300	NOV 24, 2021
PROJ NO.	DWG NO.
15132C	E-1.3