



ELECTRICAL GENERAL NOTES

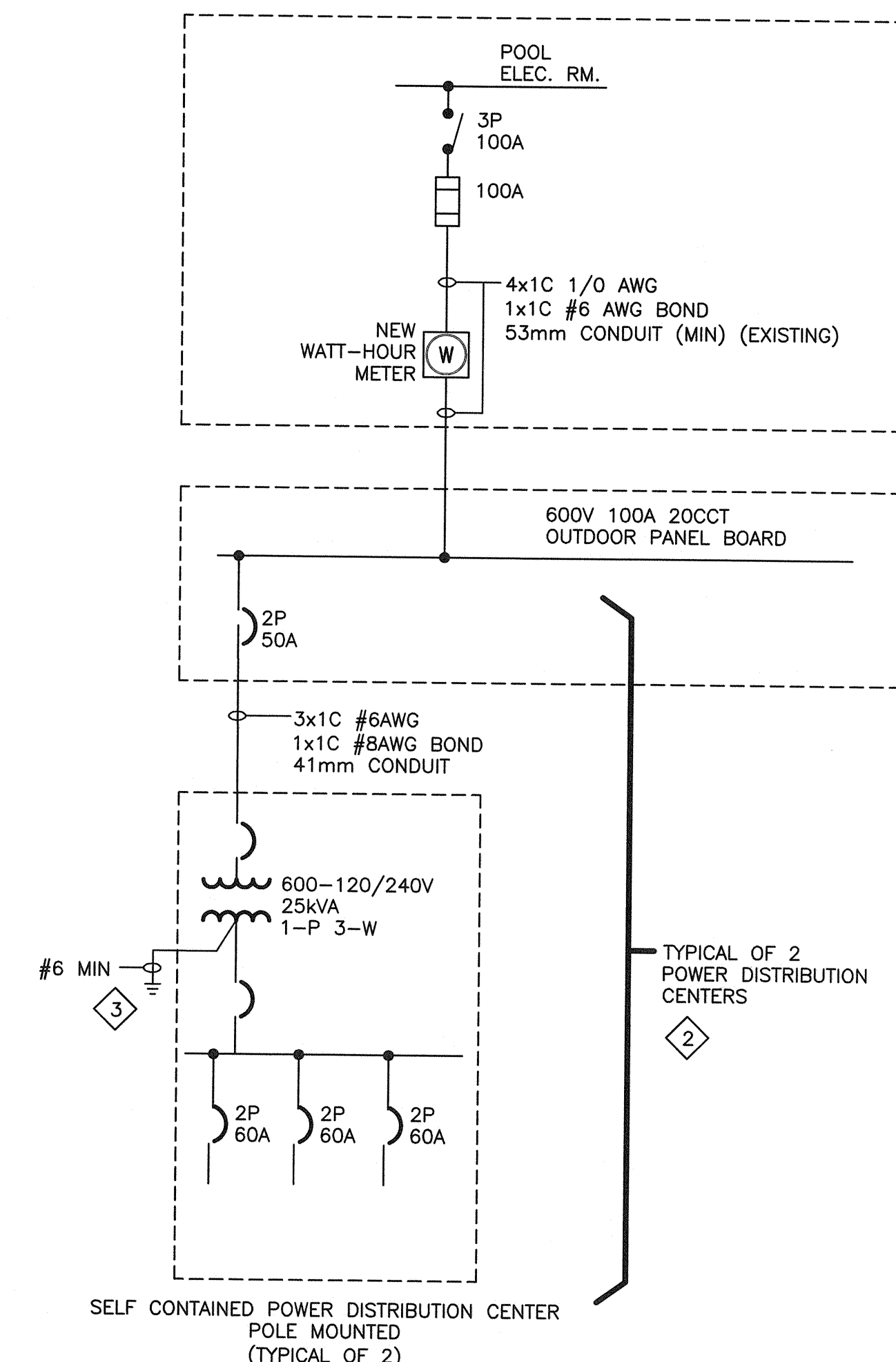
1. ALL ELECTRICAL WORK SHALL BE COMPLETED TO THE REQUIREMENTS OF THE 2015 VERSION OF THE CANADIAN ELECTRICAL CODE.
2. ALL DRAWINGS IN THIS PACKAGE ARE TO BE READ IN CONJUNCTION WITH THE DRAWINGS AND SPECIFICATIONS OF ALL OTHER TRADES.
3. AVOID SCALING FROM DRAWINGS. WHENEVER POSSIBLE, EXACT DIMENSIONS SHALL BE VERIFIED ON SITE.
4. COORDINATE ELECTRICAL WORK REQUIREMENTS WITH DEPARTMENTAL REPRESENTATIVE AND OTHER TRADES ON SITE.
5. ELECTRICAL CONTRACTOR TO COORDINATE WORK SO AS NOT TO DAMAGE OR INTERFERE WITH AREAS OUTSIDE THE SCOPE OF THIS CONTRACT.
6. ELECTRICAL CONTRACTOR TO VERIFY NAMEPLATE RATINGS ON ALL EQUIPMENT PRIOR TO INSTALLATION. REPORT ANY DISCREPANCIES TO DEPARTMENTAL REPRESENTATIVE.
7. ELECTRICAL CONTRACTOR SHALL SEAL ALL PENETRATIONS CREATED BY INSTALLATION OF ELECTRICAL SERVICES AND EQUIPMENT WITH FIRE RATED SEALANT. PATCH AND PAINT WHERE NECESSARY.
8. COORDINATE FINAL INSTALLATION LOCATION OF ALL DEVICES REQUIRING ELECTRICAL CONNECTION ON SITE WITH OTHER TRADES AND DEPARTMENTAL SITE REPRESENTATIVE.
10. ELECTRICAL CONTRACTOR SHALL PROVIDE TYPED PANEL SCHEDULES FOR ALL ELECTRICAL PANELS UPON COMPLETION OF WORK.
11. ALL ELECTRICAL EQUIPMENT AND SWITCHING SHALL BE PROVIDED WITH LAMICOID PLATES DIRECTLY ABOVE FACE PLATES.
12. DE-ENERGIZE ALL EQUIPMENT BEING REMOVED OR RELOCATED PRIOR TO DISCONNECTION.

ELECTRICAL KEY NOTES

1. ELECTRICAL CONTRACTOR TO PROVIDE NEW 20 FOOT, CLASS 5, TREATED SOUTHERN YELLOW PINE UTILITY POLE. EMBED POLE 5'-6" IN SOIL. PROVIDE POLE MOUNTED 600/347V 100A RATED PANEL BOARD IN CSA TYPE-4X RATED ENCLOSURE IN THIS LOCATION TO ACCOMMODATE NEW PRIMARY ELECTRICAL SERVICE MAIN DISTRIBUTION CENTER. DISTRIBUTION CENTER TO BE SUPPLIED BY A 600V 100A SERVICE FROM THE POOL.
2. ELECTRICAL CONTRACTOR TO PROVIDE NEW 35 FOOT, CLASS 5, TREATED SOUTHERN YELLOW PINE UTILITY POLE AND POWER DISTRIBUTION CENTER SUPPLIED UNDERGROUND FROM MAIN DISTRIBUTION CENTER. POWER CENTER SHALL CONSIST OF SELF CONTAINED 600-120/240V 25kVA SINGLE PHASE TRANSFORMER AND PANEL BOARD C/W THREE 60A-2P BRANCH CIRCUIT BREAKERS. EMBED POLE 5'-6" IN SOIL.
3. PROVIDE TWO GROUND ELECTRODES TO BE DRIVEN INTO THE GROUND BESIDE EACH UTILITY POLE AND CONNECTED TO THE DISTRIBUTION CENTRE.
4. PROVIDE 41mm RIGID PVC CONDUIT C/W PULL CORD FOR FUTURE CONNECTION TO FUTURE LIGHTING POLES. STUB-UP CONDUIT AND CAP.
5. REPAIR OR REPLACE ONE EXISTING BELOW-GRADE PULL BOX. THE PULL-BOX IS LOCATED IN AN EXISTING MAN-HOLE. THE LOCATION SHOWN ON THIS DRAWING IS APPROXIMATE. COORDINATE WITH OWNER'S REPRESENTATIVE.

ELECTRICAL LEGEND

- DIRECT BURIED 41mm RIGID PVC CONDUIT STUB UP. CONDUIT TO BE C/W NYLON PULL CORD FOR FUTURE INSTALLATION OF LIGHTING CONDUCTORS AND LIGHTING POLE. CAP OFF ENDS AND SEAL WEATHERTIGHT.
- MAIN DISTRIBUTION CENTER. 600V 100A 20 CCT PANELBOARD IN CSA TYPE-4X ENCLOSURE MOUNTED ON UTILITY GRADE POLE.
- POWER DISTRIBUTION CENTER INTEGRAL 600-120/240V 25kVA ENCAPSULATED TRANSFORMER. PRIMARY AND SECONDARY BREAKERS AND THREE 2-POLE 60A BRANCH CIRCUIT BREAKERS IN CSA TYPE-3R ENCLOSURE MOUNTED ON UTILITY GRADE POLE.
- Ⓜ WATT-HOUR METER LOCATED BESIDE 100A DISCONNECT OUTSIDE POOL ELECTRICAL ROOM.
- ⚡ TRANSFORMER - SIZE AS INDICATED
- ⚡ CIRCUIT BREAKER - TRIP SETTINGS AS INDICATED
- ⚡ FUSED DISCONNECT SWITCH - SIZE AS INDICATED ON DRAWING
- ⚡ GROUNDING ELECTRODE AND CONDUCTOR - SIZE AS INDICATED
- LP ● EXISTING LIGHT POLE (N.I.C.)
- Ⓛ BELOW GRADE PULL BOX



SINGLE LINE DIAGRAM
N.T.S.

1
E101

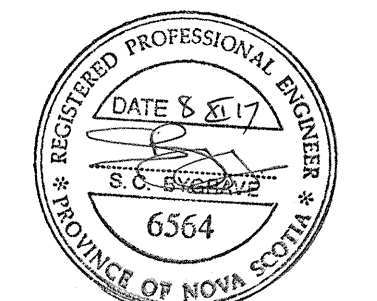
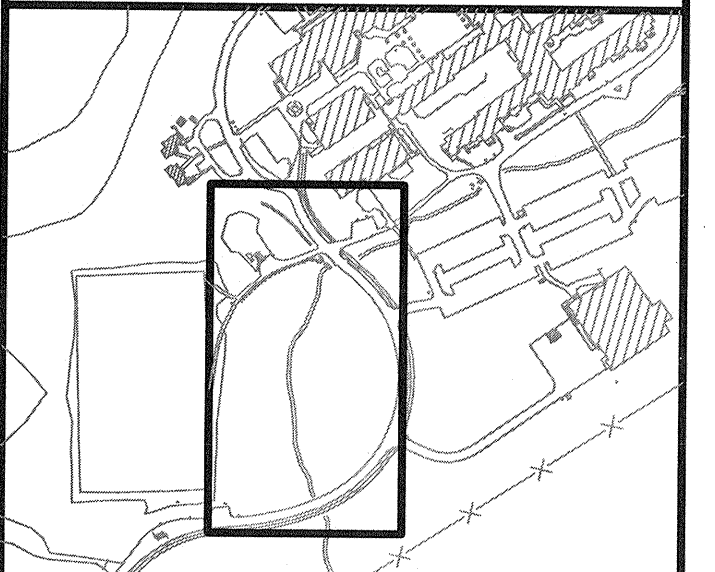
ELECTRICAL SITE PLAN

SCALE : 1:300

0m 5m 10m 15m 20m 25m 30m



Stantec Consulting Ltd.
102-40 Highfield Park Drive
Dartmouth NS
Tel. 902.468.7777
www.stantec.com



0	ISSUED FOR TENDER	NOV. 8 2017
revisions		date

project CCGC - CONTRACTOR ACCESS AND LAYDOWN AREA IN SUPPORT OF THE MECHANICAL UPGRADE PROJECT

CONCEPT DESIGN
OPTION 3
ELECTRICAL PLAN,
SINGLE LINE DIAGRAM,
AND NOTES

designed S.B.	conçu
date 17.09.06	
drawn A.C.	dessiné
date 17.09.06	
approved	approuvé
date	
Tender	Soumission
PWGSC Project Manager	Administrateur de projets TPSGC
project number	no. du projet
R.065476.700	
drawing no.	no. du dessin
E101	