1 / E1 OVERALL SITE PLAN

SCALE : 1:1000

0m 10m 20m 30m 40m 50m 60m 70m 80m 90m 100m

2 / E2 PARTIAL PLAN – EXISTING POLE CONFIGURATION

SCALE : 1:1000

0m 10m 20m 30m 40m 50m 60m 70m 80m 90m 100m

LEGEND

- WOODEN UTILITY POLE
- WOODEN UTILITY POLE C/W 3 TRANSFORMERS
- WOODEN UTILITY POLE C/W 1 TRANSFORMER
- POLE MOUNTED LUMINAIRE
- OVERHEAD POWER LINE
- NEW OVERHEAD POWER LINE
- OVERHEAD 120/208V FEED TO BUILDING
- UNDERGROUND 120/208V FEED TO BUILDING
- UNDERGROUND POWER LINE – MEDIUM VOLTAGE
- UNDERGROUND COMMUNICATIONS LINE
- GUY & ANCHOR
- GUY & ANCHOR REFERENCE

GUY & ANCHOR REQUIREMENTS:

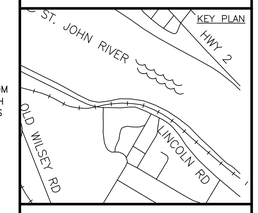
1. ALL GUYS ARE TO BE 8mm (5/16" GRADE 180) OR 10M (3/8" GRADE 160) WITH A MINIMUM BREAKING STRENGTH OF 49.4kN. ALL ANCHORS ARE TO BE SIZE 16M UNLESS OTHERWISE NOTED.
2. ALL GUY LEADS ARE TO BE MEASURED FROM THE CLOSEST FACE OF THE POLE.
3. NEW GUY LEADS SPECIFIED ARE MINIMUM AND SHOULD BE INCREASED WHEREVER ACHIEVABLE TO ATTAIN THE PREFERRED 1:2 LEAD–TO–HEIGHT RATIO UNLESS OTHERWISE NOTED.
4. IF MORE THAN ONE ANCHOR IS REQUIRED AT THE SAME LOCATION, THEY SHALL BE A MINIMUM OF 1.8m APART TO PRODUCE MAXIMUM HOLDING STRENGTH.
5. GUY GUARDS ARE TO BE INSTALLED ON ALL PROPOSED & EXISTING GUYING, AND FADED OR CRACKED GUY GUARDS ARE TO BE REPLACED ON EXISTING GUYING.

GENERAL NOTES:

6. REMOVE ABANDONED COMMUNICATION CABLE (MULTI–STRAND COPPER). CABLE TO BE REMOVED FROM POLE AND CUT BELOW GRADE.
7. DISCONNECT COMMUNICATION CABLING INSIDE BUILDING 2 AND REMOVE FROM POLE P4C.
8. REPLACE TWO EXISTING FLOOD LIGHTS WITH ONE LED STREET LUMINAIRE. SECONDARY OF TRANSFORMER TO FEED LIGHTS ON P5N, P6N, AND P3N.
9. REPLACE EXISTING STREET LIGHT WITH NEW LED STREET LUMINAIRE. NEW LUMINAIRE TO BE MOUNTED FACING INTERSECTION.
10. REPLACE EXISTING STREET LIGHT WITH NEW LED LUMINAIRE. R4N STREET LIGHT LUMINAIRE IS FED FROM R5N.
11. REMOVE EXISTING COMMUNICATIONS DROP THAT FEEDS BUILDING 17. REMOVE EXISTING LIGHTING PANEL AND REPLACE WIRING AND CONDUIT FOR STREETLIGHT CIRCUITRY. PROVIDE NEW RELAY AND PHOTOCELL TO CONTROL EXISTING LIGHTING THAT IS FED FROM UNDERGROUND CIRCUIT.
12. INSTALL NEW LED FLOOD LIGHT LUMINAIRE.
13. NEW STREETLIGHTS ARE TO BE CONTROLLED VIA INTEGRAL PHOTOCELLS. SEE LUMINAIRE SCHEDULE.
14. ARRANGE AND PAY FOR TREE TRIMMING SERVICES THAT ACHIEVES MINIMUM 2000mm CLEARANCES BETWEEN POLE SECTIONS P10 THROUGH Q3, FROM POLE SECTION S4 THROUGH Q7 AND Q8, AS WELL AS FROM POLE SECTION R7 THROUGH R10.
15. REPLACE OVERHEAD POWER LINE CONDUCTORS FROM NB POWER METERING POLE TO R8. CONDUCTORS TO BE #2/0 ACSR.
16. ALL POLES AND HARDWARE INDICATED FOR REPLACEMENT ARE TO BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH THE SPECIFICATIONS.
17. SECONDARY DUPLEX FEED TO R9N STREET LIGHT LUMINAIRE.
18. TYPICAL OF ALL POLE REMOVALS, REMOVE ALL ASSOCIATED GUYING AND GUY ANCHORS.

Public Works and Government Services Canada / Travaux Publics et Services gouvernementaux Canada

CBCL



1	RE–ISSUED FOR TENDER	10/22/20
0	ISSUED FOR TENDER	10/20/20
revisions		date

project / projet

ELECTRICAL SITE DISTRIBUTION AAFC R&D CENTRE, FREDERICTON

YORK CO., NB

drawing / dessin

SITE PLAN

designed LP / conçu
date AUGUST 27, 2020
drawn KD / dessiné
date AUGUST 27, 2020
approved LP / approuvé
date AUGUST 27, 2020
Tender / Soumission
PWGSC Project Manager / Administrateur de projets TPSGC
project number / no. du projet
R.106441.003
drawing no. / no. du dessin
E1

PWGSC B1 (2004)

E–DRM/GDD–E: