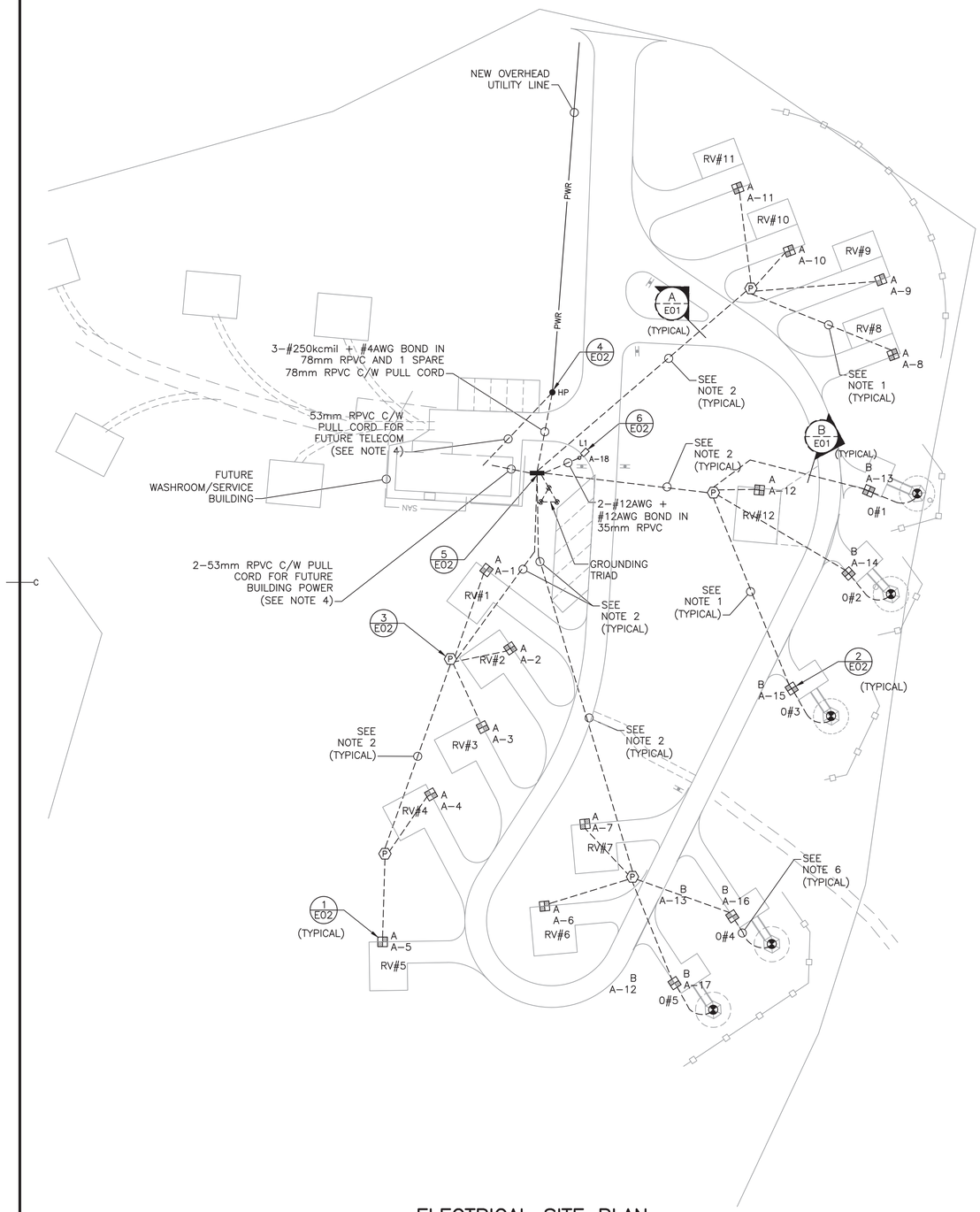


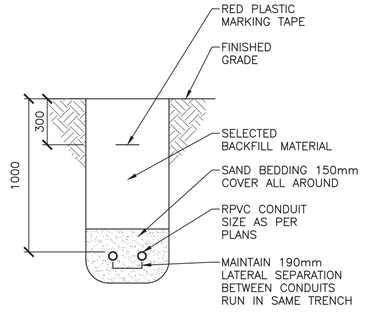
ELECTRICAL SITE PLAN

SCALE: 1:500

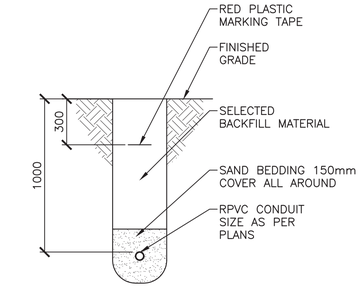
0m 10m 20m 30m 40m 50m

SYMBOL LEGEND

- IN–GRADE PULL BOX
- CAMPSITE SERVICE POST
- POLE MOUNTED AREA LIGHT
- HP OVERHEAD ELECTRICAL POLE
- UNDERGROUND DUCTBANK
- DIRECT ELECTRICAL CONNECTION TO EQUIPMENT



TYPICAL DUCTBANK A



TYPICAL DUCTBANK B

NOTES:

1. ALL TYPE A SERVICE POSTS ARE TO BE FED WITH A 30A, 2–WIRE, 120V CIRCUIT. AND TYPE B SERVICE POSTS ARE TO BE FED WITH A 15A, 2–WIRE, 120V CIRCUIT. INSTALL ALL WIRING FROM PULL BOXES TO SERVICE POSTS IN 35mm RPVC CONDUIT, ALL WIRING INCLUDING NEUTRAL AND BOND ARE TO BE HOME RUN TO BRANCH CIRCUIT PANEL. REFER TO BRANCH CIRCUIT DISTANCE TABLE FOR APPLICABLE WIRE SIZE. WHERE WIRE SIZE EXCEEDS BREAKER LUG CAPABILITIES, PROVIDE CSA APPROVED WIRE REDUCING PINS AT BREAKER LOCATION, NO SPLICES IN PULL BOXES. DO NOT SHARE NEUTRALS.
2. CONDUIT BETWEEN PULL BOXES AND BETWEEN PANEL AND PULL BOXES IS TO BE 2–53mm RPVC, ONE CONDUIT IS TO BE C/W PULL CORD AND LEFT AS SPARE.
3. CONDUIT ROUTING IS SCHEMATIC IN NATURE, GROUPING OF CONDUITS IN COMMON TRENCH IS PERMITTED WHERE PRACTICAL. COORDINATE ROUTING OF CONDUITS WITH OTHER SERVICES.
4. CAP AND STAKE CONDUITS FOR FUTURE SERVICE BUILDING IN ORDER TO EASILY LOCATE.
5. COORDINATE NEW ELECTRICAL SERVICE WITH UTILITY.
6. PROVIDE 2C–#12AWG UNDERGROUND FEEDER TO OASIS UNIT. CONNECT FEEDER TO UNIT PER MANUFACTURER'S INSTRUCTIONS.

MINIMUM CONDUCTOR SIZING TABLE FOR 120V, 15A, BRANCH CIRCUITS			
BRANCH CIRCUIT LENGHT OF RUN	PHASE WIRE SIZE	NEUTRAL WIRE SIZE	BOND WIRE SIZE
0–24.8m	#12AWG	#12AWG	#12AWG
24.9–40.2m	#10AWG	#10AWG	#12AWG
40.3m–63.8m	#8AWG	#8AWG	#10AWG
63.9m–101.7m	#6AWG	#6AWG	#8AWG
MINIMUM CONDUCTOR SIZING TABLE FOR 120V, 20A, BRANCH CIRCUITS			
BRANCH CIRCUIT LENGHT OF RUN	PHASE WIRE SIZE	NEUTRAL WIRE SIZE	BOND WIRE SIZE
0–18.3m	#12AWG	#12AWG	#12AWG
10.4–30.8m	#10AWG	#10AWG	#12AWG
30.9–49.9m	#8AWG	#8AWG	#10AWG
50m–77.9m	#6AWG	#6AWG	#8AWG
MINIMUM CONDUCTOR SIZING TABLE FOR 120V, 30A, BRANCH CIRCUITS			
BRANCH CIRCUIT LENGHT OF RUN	PHASE WIRE SIZE	NEUTRAL WIRE SIZE	BOND WIRE SIZE
0–18.6m	#10AWG	#10AWG	#12AWG
18.7–31.7m	#8AWG	#8AWG	#10AWG
31.8m–51.3m	#6AWG	#6AWG	#8AWG
51.4m–81.4m	#4AWG	#4AWG	#8AWG
81.5m–101m	#3AWG	#3AWG	#6AWG

LIGHTING FIXTURE SCHEDULE						
TYPE	DESCRIPTION	SOURCE	COLOUR TEMP	DRIVER	VOLTAGE	NOMINAL WATTAGE
L1	POLE MOUNTED AREA LIGHT MOUNTED ON 6.1m HIGH SQUARE STRAIGHT STEEL POLE, BRONZE FINISH, 125mm ARM, IES TYPE III DISTRIBUTION, INTEGRAL PHOTOCELL.	6100lm (NOMINAL) LED ENGINE	3000K	LED DRIVER	120V	60W

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

CBCL LIMITED
Consulting Engineers

REGISTERED PROFESSIONAL ENGINEER
Province of New Brunswick
#M7183
LucasAParkinson
Signature
MAY 24, 2019
date
Province du Nouveau-Brunswick
INGÉNIEUR IMMATRICULÉ E

revisions		date
0	ISSUED FOR TENDER	MAY 24 2019

project / projet

FUNDY NATIONAL PARK HEADQUARTERS & WOLFE LAKE CAMPGROUNDS

PHASE III

drawing / dessin

ELECTRICAL

WL CAMPGROUND SITE PLAN, TRENCH SECTION & SINGLE LINE

designed M. MELANSON / conçu
date MAY 2019
drawn M. MELANSON / dessiné
date MAY 2019
approved / approuvé
date
Tender / Soumission
PWGSC Project Manager / Administrateur de projets TPSGC
project number / no. du projet
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