ELECTRICAL SITE PLAN (1 / E1)

SCALE: 1:500

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

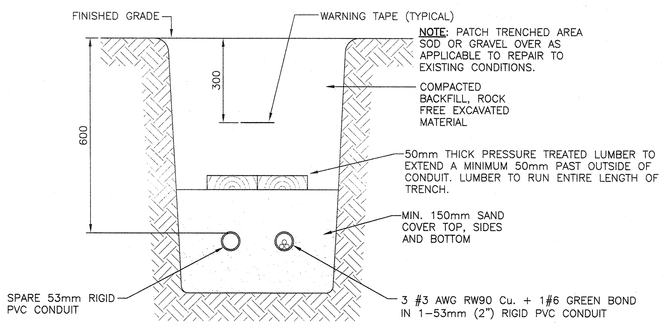
GENERAL NOTES

1. ALL GRUBBING, CLEARING, EXCAVATION TRENCHING AND BACKFILLING TO BE PERFORMED BY PARKS CANADA PERSONNEL USING PARKS CANADA EQUIPMENT.
2. ALL WORK REQUIRING THE SERVICES OF PARKS CANADA PERSONNEL TO BE COORDINATED BETWEEN PARKS CANADA AND THE GENERAL CONTRACTOR. NOTIFICATION OF SUCH REQUIREMENTS TO BE INITIATED BY THE GENERAL CONTRACTOR IN WRITING, A MINIMUM OF 8 CALENDAR DAYS PRIOR TO THE START OF PARTICULAR REQUIREMENT.
3. ALL MATERIALS REQUIRED FOR THE INSTALLATION OF CONCRETE ENCASED DUCT BANK AND DIRECT BURIED DUCTS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING: SAND, BACKFILL MATERIAL, CONCRETE, FORM WORK, TREATED TIMBERS, CONCRETE PAVERS, WARNING TAPE, CONDUITS/DUCTS AND SADDLE SPACERS TO BE SUPPLIED BY THE GENERAL CONTRACTOR AND/OR THE ELECTRICAL CONTRACTOR.
4. THE REMOVAL AND DISPOSAL OF ALL GRUBBED AND CLEARED MATERIAL TO BE PERFORMED BY PARKS CANADA PERSONNEL.

ELECTRICAL GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE CANADIAN ELECTRICAL CODE AND/OR LOCAL INSPECTION AUTHORITIES. THE ELECTRICAL CONTRACTOR SHALL OBTAIN ALL PERMITS AND INSPECTIONS REQUIRED BY LAWS, ORDINANCES, RULES AND REGULATIONS OF PUBLIC AUTHORITIES HAVING JURISDICTION OF THIS DISTRICT AND SHALL OBTAIN CERTIFICATES ON SUCH INSPECTIONS AND SUBMIT SAME AND PAY ALL CHARGES IN CONNECTION THEREWITH.
2. IT IS RECOMMENDED THAT THE ELECTRICAL CONTRACTOR VISIT THE SITE PRIOR TO TENDER TO ASSESS EXISTING CONDITIONS, OBSTRUCTIONS, MATERIALS, ETC.
3. WHERE CONTRACTOR IS UNSURE OF WORK TO BE PERFORMED, THEY SHALL REQUEST DIRECTION FROM THE PROJECT MANAGER PRIOR TO PROCEEDING WITH WORK.
4. WHENEVER IT IS PROPOSED TO MAKE A CHANGE OR CHANGES IN THE DESIGN, AGREEMENT OR TYPE OF EQUIPMENT CALLED FOR IN THIS SPECIFICATION, THE ELECTRICAL CONTRACTOR SHALL ESTIMATE THE COST OF SAME AND SUBMIT IN TRIPLICATE DETAILED ITEMIZED ESTIMATES OF THE COSTS OF ALL APPARATUS, MATERIALS AND LABOUR ENTERING INTO THE CHANGE OR SUBSTITUTION.
5. THE GENERAL CONTRACTOR SHALL PERFORM ALL CUTTING, PATCHING AND PAINTING NECESSARY FOR PROPER INSTALLATION OF WORK AND SHALL REPAIR ANY DAMAGE DONE EMPLOYING ONLY THE SERVICES OF SKILLED WORKMEN. THE ELECTRICAL CONTRACTOR SHALL UPON REQUEST, PROVIDE ALL SUCH NECESSARY DETAIL AND INFORMATION TO ACQUAINT THE GENERAL CONTRACTOR WITH THE SCOPE OF PARTICULARS OF CUTTINGS, PAINTING AND PATCHING RELEVANT TO HIS WORK.
6. ON COMPLETION, ALL EQUIPMENT SHALL BE THOROUGHLY CLEANED. ALL WORK CHECKED OVER AND LEFT IN WORKING ORDER.

   ALL RUBBISH, UNUSED MATERIALS ETC., SHALL BE REMOVED AND THE PREMISES LEFT CLEAN.
7. CO-ORDINATE WORK WITH OTHER TRADES, PROVIDE BRANCH CIRCUITS FOR ALL MECHANICAL SYSTEMS AND OWNER SUPPLIED EQUIPMENT.
8. NO WIRE, CABLE OR CONDUCTOR SMALLER THAN NO. 12 AWG SHALL BE USED ON POWER SYSTEMS, UNLESS OTHERWISE INDICATED. CONDUCTORS NO. 8 AWG OR LARGER SHALL BE STRANDED. IN GENERAL, WHERE NO WIRE SIZE IS INDICATED ON THE PLANS, NO. 12 AWG SHALL BE USED. HOWEVER, ALL CONDUCTORS SHALL HAVE AMPACITY REQUIRED BY THE LATEST EDITION OF THE C.E.C. FOR LOAD SERVED.
9. CONDUITS SHALL BE RUN PARALLEL TO BUILDING LINES IN A NEAT WORKMANLIKE MANNER. EQUIPMENT AND MATERIALS SHALL BE NEW AND CSA CERTIFIED MANUFACTURED TO STANDARD QUOTED BUT INCORPORATING ADDITIONAL SPECIFIED REQUIREMENTS.
10. ALL BRANCH CIRCUIT CONDUCTORS REFERRED TO ABOVE APPLY TO COPPER CONDUCTORS.
11. ALL EQUIPMENT AND EXPOSED NON-CURRENT CARRYING METAL CONDUITS AND PARTS TO BE PERMANENTLY AND EFFECTIVELY GROUNDED TO MEET MINIMUM REQUIREMENTS OF THE C.E.C. SECTION '10', AND AS INDICATED ON DRAWINGS and FURTHER SPECIFIED. STANDARDS SET EITHER BY DRAWINGS OR SPECIFICATIONS WHICH ARE ABOVE THOSE COVERED BY THE C.E.C. SECTION '10' ARE NOT TO BE REDUCED UNDER ANY CIRCUMSTANCES.
12. SUPPLY A SEPARATE GROUND CONDUCTOR IN ALL EMT.



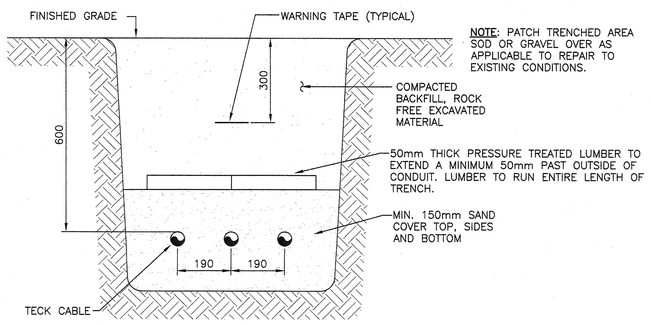
SECTION – TYPICAL FEEDER TRENCH (A / E1)

SCALE : 1:10

0mm 100 200 300 400 500 600 700 800 900 1000mm

NOTE:

1. ALL DIMENSIONS ARE IN MILLIMETERS.



SECTION – TYPICAL FEEDER TRENCH (B / E1)

SCALE : 1:10

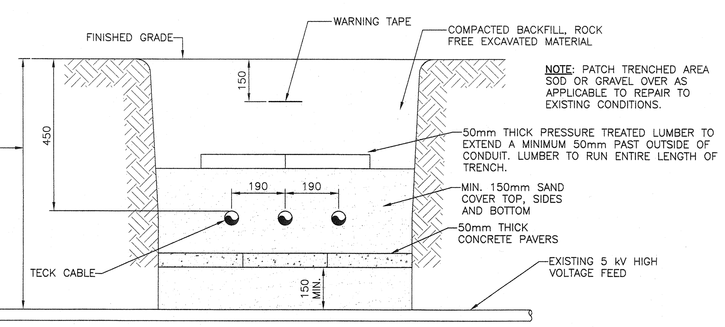
0mm 100 200 300 400 500 600 700 800 900 1000mm

NOTE:

1. **3 CABLES ARE SHOWN IN THIS DETAIL FOR DIAGRAMMATIC PURPOSES ONLY, DIMENSIONS AND CLEARANCES SHOWN IN THIS DETAIL WILL APPLY TO ALL TRENCHES WITH ELECTRICAL FEEDERS.**
2. ALL DIMENSIONS ARE IN MILLIMETERS.

NOTE 1:
EXISTING DEPTH BELOW FINISHED GRADE FOR THE HIGH VOLTAGE FEEDER CABLE IS NOT CONFIRMED.
THE EXACT LOCATION AND DEPTH OF HIGH VOLTAGE FEEDER CABLE SHALL BE VERIFIED ON SITE BY CONTRACTOR.

NOTE 2:
WHERE NEW DIRECT BURIED CABLE CROSSES OVER THE EXISTING HIGH VOLTAGE BURIED FEEDER PROVIDE A MINIMUM OF 150mm TAMPED SAND AND 50mm CONCRETE PAVERS ON TOP OF THE EXISTING HIGH VOLTAGE FEEDER.
THIS MAY RESULT IN THE DEPTH BELOW GRADE OF THE NEW DIRECT BURIED CABLES TO BE REDUCED, HOWEVER SHOULD THE DEPTH BELOW FINISHED GRADE FOR THE NEW DIRECT BURIED CABLE RESULT IN A DEPTH OF LESS THAN 450mm A DIFFERENT LOCATION FOR THE CROSSOVER WOULD BE REQUIRED.
THIS LOCATION TO BE DETERMINED ON SITE BY THE CONTRACTOR.



SECTION – TYPICAL HIGH VOLTAGE CROSSOVER (C / E1)

SCALE : 1:10

0mm 100 200 300 400 500 600 700 800 900 1000mm

NOTE: ALL DIMENSIONS ARE IN MILLIMETERS.

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

ANDRE MAOIR — NEWFOUNDLAND & LABRADOR

revisions	date
0 ISSUED FOR TENDER	NOV. 2014

project / projet

NEWMAN SOUND CAMPGROUND ELECTRICAL UPGRADE TERRA NOVA NATIONAL PARK OF CANADA

drawing / dessin

SITE PLAN – ELECTRICAL DETAILS AND NOTES

designed	G. BOWSER
date	NOVEMBER 2014
drawn	K. WOLFE
date	NOVEMBER 2014
approved / approuvé	
date	
PWGSC Project Manager / Administrateur de projets TPSGC	Soumission
project number / no. du projet	R.066138.001
drawing no. / no. du dessin	E1

E-DRM/CDD-E: 465231 Version 1

PWGSC AO (2004)