

LEGEND

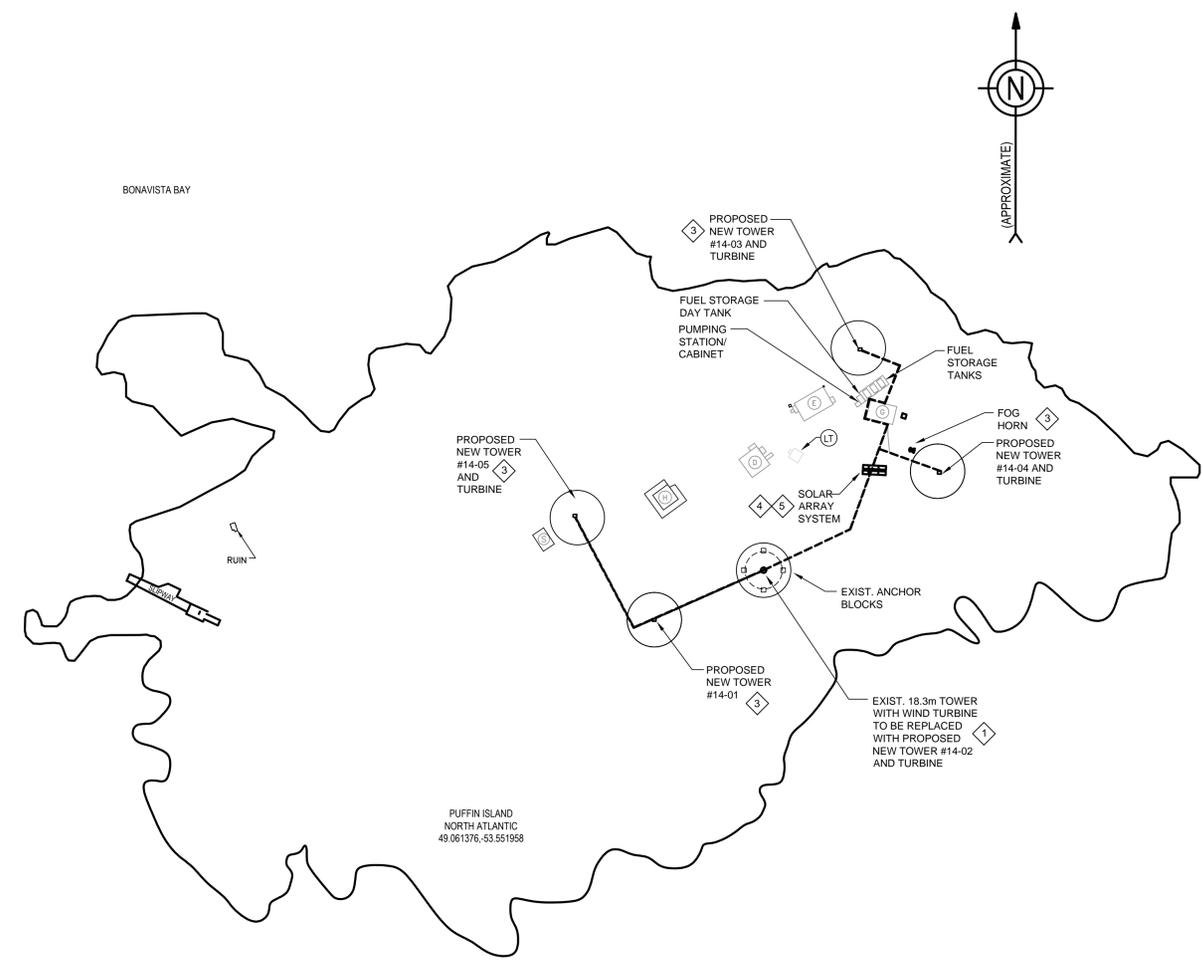
- NEW 152mm CABLE TRAY ROUTING
- (H) HELICOPTER PAD
- (D) DWELLING UNIT
- (E) EQUIPMENT BUILDING
- (LT) LIGHT TOWER
- POWER PANEL

SINGLE LINE DIAGRAM

- FUSED DISCONNECT SWITCH
- DISCONNECT SWITCH
- BREAKER

ABBREVIATIONS

- E INDICATES EXISTING TO REMAIN
- X INDICATES EXISTING TO BE REMOVED
- N INDICATES NEW TO BE INSTALLED
- O INDICATES OWNER SUPPLIED EQUIPMENT TO BE INSTALLED



1 ELECTRICAL SITE PLAN
E-P-01 SCALE: 1:1000



ELECTRICAL GENERAL NOTES

1. ALL DRAWINGS IN THIS PACKAGE ARE TO BE READ IN CONJUNCTION WITH THE DRAWINGS AND SPECIFICATIONS OF ALL OTHER TRADES.
2. ALL WORK UNDER THIS SCOPE SHALL COMPLY WITH THE NATIONAL BUILDING CODE, 2010 AND THE CANADIAN ELECTRICAL CODE, 2015 EDITION.
3. ELECTRICAL CONTRACTOR SHALL VERIFY NAME PLATE RATINGS OF ALL NEW EQUIPMENT PRIOR TO INSTALLATION AND REPORT ANY CONFLICTS OR DISCREPANCIES TO ENGINEER. VERIFY CONDUCTOR SIZES AS PER MANUFACTURER'S RECOMMENDATIONS.
4. ALL WIRING INDICATED ON DRAWINGS HAS BEEN SIZED FOR Cu.
5. ALL CONDUCTORS SHALL BE TECK90, UNLESS NOTED OTHERWISE.
6. COORDINATE FINAL INSTALLATION LOCATION OF ELECTRICAL EQUIPMENT AND DEVICES ON SITE WITH OWNER'S REPRESENTATIVE AND ALL OTHER ASSOCIATED TRADES.
7. ALL WIRING OR CONDUIT RUNS INDICATED ON DRAWINGS ARE DIAGRAMMATIC ONLY. COORDINATE EXACT RACEWAY LOCATIONS ON SITE. CONTRACTOR TO TRACE ALL SCOPE RELATED EXISTING CIRCUITS TO DETERMINE THE SOURCE PRIOR TO ANY DEMOLITION, RELOCATION OR INSTALLATION.
8. ELECTRICAL CONTRACTOR SHALL SEAL ALL PENETRATIONS CREATED BY NEW INSTALLATIONS OR REMAINING FROM REMOVALS OF EXISTING EQUIPMENT.
9. AVOID SCALING FROM DRAWINGS. WHENEVER POSSIBLE EXACT DIMENSIONS SHALL BE VERIFIED ON SITE.
10. DRAWINGS DO NOT SHOW ALL 'EXISTING TO REMAIN' SERVICES. TAKE PRECAUTIONS NOT TO DISRUPT ANY 'EXISTING TO REMAIN' SERVICES DURING CONSTRUCTION.

ELECTRICAL KEY NOTES

1. COORDINATE ALL EQUIPMENT REMOVAL AND INSTALLATION WITH STRUCTURAL CONTRACTOR.
2. EXISTING WIND TOWER AND TURBINE TO BE REMOVED, COMPLETE WITH CABLING BACK TO SOURCE. RETURN TURBINE AND TOWER COMPLETE WITH ALL HARDWARE TO OWNER.
3. NEW WIND TURBINES AND TOWERS SHALL BE MOUNTED IN APPROXIMATE LOCATIONS SHOWN. COORDINATE WITH STRUCTURAL. NEW TOWERS TO BE PROVIDED BY OWNER.
4. EXISTING SOLAR PANELS AND ASSOCIATED EQUIPMENT TO BE REMOVED, COMPLETE WITH CABLING BACK TO SOURCE, RACKING, SUPPORTS AND FOUNDATION TO REMAIN. COORDINATE WITH STRUCTURAL. RETURN PANELS TO OWNER.
5. NEW SOLAR PANELS SHALL BE INSTALLED ON EXISTING RACKING, SUPPORTS AND FOUNDATION. COORDINATE WITH STRUCTURAL. NEW SOLAR PANELS TO BE PROVIDED BY OWNER.
6. PROVIDE CABLE TRAY AND SECURE TO ROCK EVERY 3 METERS. REFER TO DETAILS 3 ON DRAWING E-P-02.
7. PROVIDE CABLES FROM WIND TURBINES AND SOLAR PANELS. INSTALL CABLES IN TRAY. REFER TO CABLE TRAY SPECIFICATIONS.

PROVINCE OF NEWFOUNDLAND AND LABRADOR
PERMIT HOLDER
This Permit Allows
STANTEC CONSULTING LTD.
To practice Professional Engineering in Newfoundland and Labrador.
Permit No. as issued by PEG 172-211 which is valid for the year 2016.



0	ISSUED FOR TENDER	03/31/2015
revisions		date

project
SOLAR AND WIND POWER REPLACEMENT PUFFIN ISLAND BONAVISTA BAY, NL

drawing
PUFFIN ISLAND ELECTRICAL SITE PLAN

designed	R.M.D.	comp
date	APR. 2, 2014	
drawn	J.L.T.	desinf
date	APR. 2, 2014	
approved	R.M.D.	approved
date	APR. 2, 2014	
Tender	ANDREW TEMPLE	Submission
PWGSC Project Manager	Administrateur de projets TPWSC	
project number	no. du projet	
	133430024	
drawing no.	no. du dessin	
	E-P-01	