

PROVINCE OF NEWFOUNDLAND AND LABRADOR  
**pegni** ENGINEERING PERMIT T0282  
 ENGLOBE CORP.  
 9772  
 Signature or Member Number (Member-in-Responsible Charge)

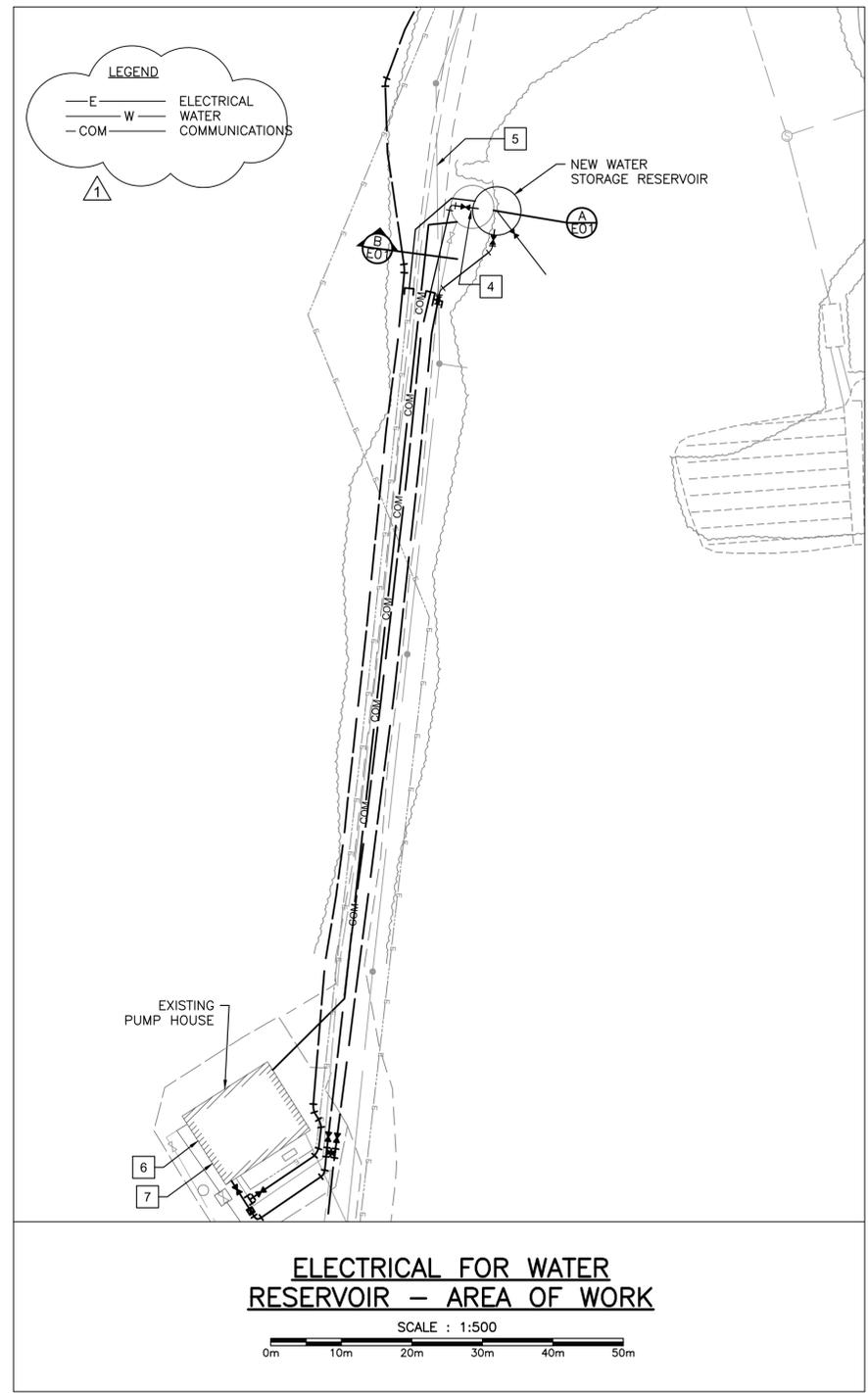
0.1	ISSUED WITH ADDENDUM # 2	07/06/2021
0.0	ISSUED FOR TENDER	05/31/2021
revisions		date

project **TERRA NOVA NATIONAL PARK UTILITY SYSTEMS RECAPITALIZATION PHASE 3** projet

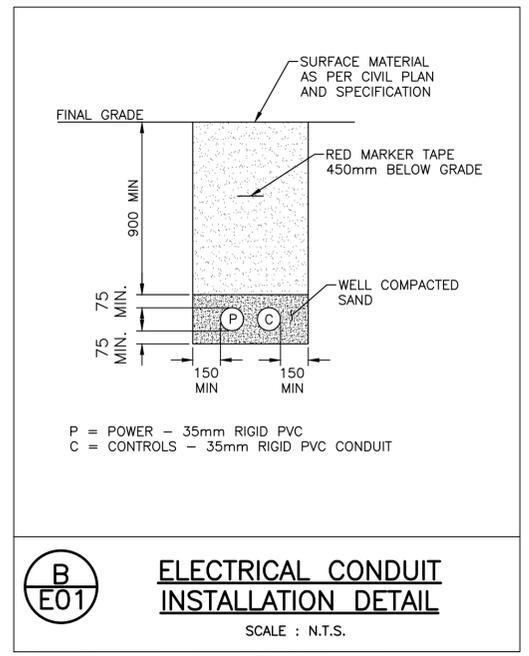
TERRA NOVA NATIONAL PARK

**ELECTRICAL FOR NEWMAN SOUND WATER RESERVOIR**

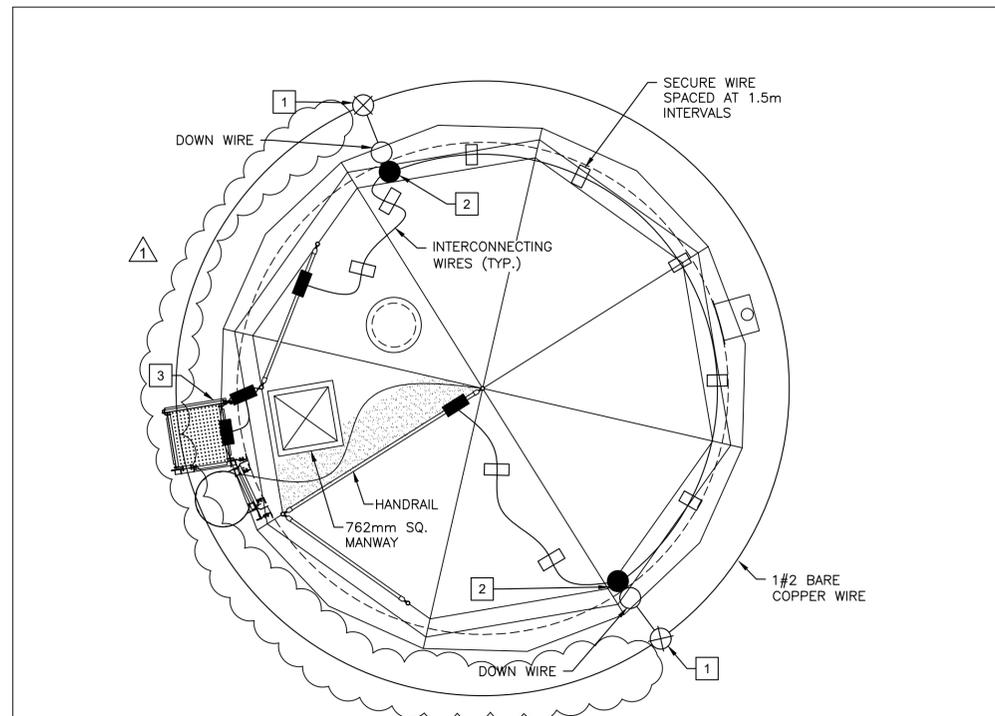
designed	F. ST-ONGE	conçu
date	2019-05-03	
drawn	K. LOUGHERY	dessiné
date	2019-05-03	
approved	D. DOW	approuvé
date	2019-05-24	
Tender		Soumission
PCA Project Manager	Administrateur de projets APC	
project number	no. du projet	
	<b>1716</b>	
drawing no.	no. du dessin	
	<b>E01</b>	



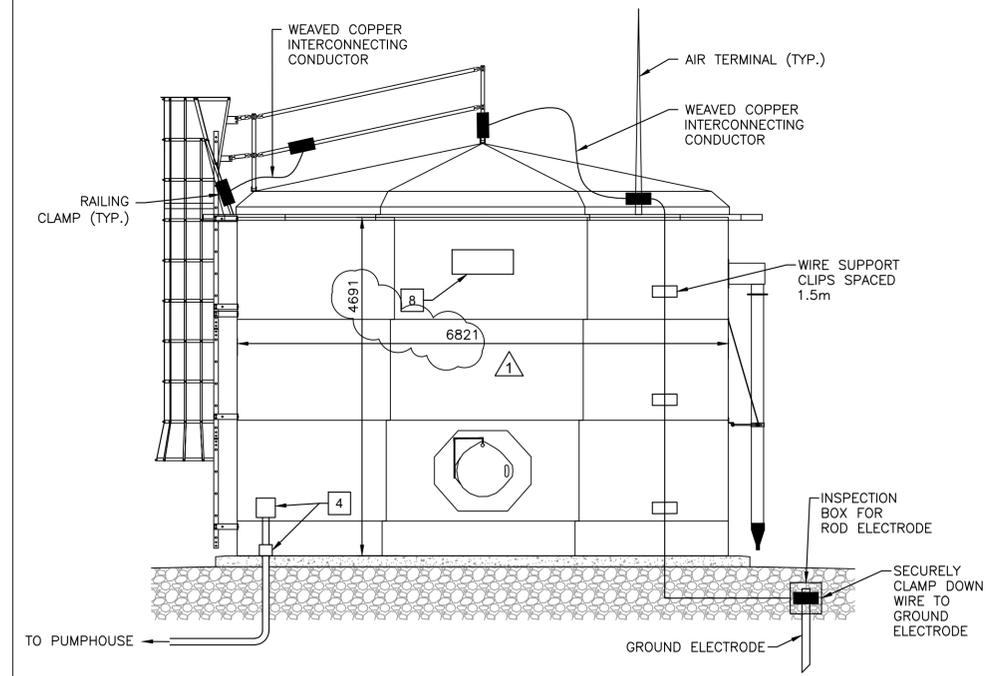
- GENERAL NOTES:**
- COORDINATE EXACT ROUTING OF ALL UNDERGROUND SERVICES AND EQUIPMENT LOCATIONS WITH DEPARTMENTAL REPRESENTATIVE PRIOR TO INSTALLATION.
  - MINIMIZE WIDTH OF CLEARING WHEN PROVIDING CORRIDOR FOR TRENCHING. MAXIMUM CORRIDOR WIDTH SHALL BE 3m.
  - ADJUST PATH OR LOCATION OF NEW INFRASTRUCTURE IN THE FIELD TO AVOID IMPACT TO TREES. ANY TREE CLEARING SHALL BE REVIEWED AND APPROVED BY DEPARTMENTAL REPRESENTATIVE.
  - LIGHTNING PROTECTION SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH CAN/CSA-872 BY A CERTIFIED INSTALLER.
  - COORDINATE WITH NEWFOUNDLAND POWER TO PROVIDE POWER LINE COVER UPS DURING CONSTRUCTION OF WATER RESERVOIR. OBTAIN PROPER PERMITS FOR CONDUCTING WORK NEAR POWER LINES.



- KEYNOTES:**
- NEW INSTALLATION:**
- LOCATE GROUNDING ELECTRODES AT LEAST 1m AWAY FROM STRUCTURE FOOTING.
  - AIR TERMINALS MUST EXTEND A MINIMUM OF 50mm BEYOND THE HIGHEST POINT OF THE STRUCTURE.
  - GROUND SAFETY RAILING, PLATFORM, AND LADDER TO LIGHTNING PROTECTION SYSTEM.
  - TERMINATE CONDUIT AT WATER RESERVOIR WITH WEATHER PROOF PVC BOX. PROVIDE EXPANSION JOINT BELOW BOX. LEAVE MINIMUM 1m OF SLACK SHIELDED TWISTED PAIR CABLE, NEATLY COILED INSIDE BOX.
  - COORDINATE WITH NEWFOUNDLAND POWER TO PROVIDE POWER LINE COVER UPS DURING CONSTRUCTION OF WATER RESERVOIR. OBTAIN PROPER PERMITS FOR CONDUCTING WORK NEAR POWER LINES.
  - PROVIDE AND INSTALL ONE (1) 15A/1P BREAKER IN EXISTING 120/208V PANEL FOR THE NEW LEVEL SENSOR EQUIPMENT. COORDINATE WITH MECHANICAL. PROVIDE AND INSTALL 2#12 AWG RW90 IN 21mm EMT FROM PANEL TO LEVEL SENSOR CONTROLLER. PROVIDE AND INSTALL 2#14 AWG RWJ90 SHIELDED IN 35mm PVC CONDUIT FROM LEVEL SENSOR CONTROL TO TANK FLOAT.
  - PROVIDE AND INSTALL ONE (1) 15A/1P BREAKER IN EXISTING 120/208V PANEL FOR TANK LIGHT. PROVIDE AND INSTALL 2#12 AWG RWJ90 IN 35mm RIGID PVC FROM PANEL TO TANK LIGHT. PROVIDE POST MOUNTED NEMA 4X SWITCH ADJACENT THE TANK.
  - PROVIDE AND INSTALL ONE (1) EXTERIOR WALL PACK LED LUMINAIRE ABOVE THE DOOR (LITHONIA #WST-LED-P2-27K-VW-120-PE-DBLXD WITH INTEGRAL PHOTO SENSOR.)



WATER RESERVOIR - PLAN



WATER RESERVOIR - ELEVATION

**A**  
**E01**

**WATER RESERVOIR LIGHTNING PROTECTION**  
SCALE : N.T.S.

