



GENERAL NOTES:

NOTE 1: IT IS THE DEPARTMENTAL REPRESENTATIVE INTENTION TO KEEP LOUISBOURG SEARCH AND RESCUE STATION OPERATIONAL DURING THE CONSTRUCTION PHASE TO MAINTAIN NORMAL WORKING HOURS. THE STATION OPERATES 24 HOURS 7 DAYS PER WEEK. THIS CONTRACTOR SHALL NOTIFY THE DEPARTMENTAL REPRESENTATIVE 10 WORKING DAYS BEFORE ANY SHUTDOWN. ANY PLANNED SHUTDOWN SHALL BE APPROVED BY THE DEPARTMENTAL REPRESENTATIVE WITHOUT EXCEPTION.

NOTE 2 - MULTIPLE UNDERGROUND SERVICES EXIST AND ARE NOT SHOWN. INFORMATION SHOWN ARE FOR REFERENCE ONLY AND DO NOT INCLUDE ALL INFORMATION. THIS CONTRACTOR SHALL CARRY OUT THE COST FOR SURVEYING AREA OF WORK TO DETERMINE ALL UNDERGROUND SERVICE EXACT LOCATIONS INCLUDING AND NOT LIMITED TO: POWER, TELECOMMUNICATION, GROUNDING, WATERLINE, SEWER, ETC. PERFORM THE SURVEY BEFORE STARTING THE WORK AND SUBMIT A COPY TO THE DEPARTMENTAL REPRESENTATIVE.

NOTE 3: THE SUCCESSFUL CONTRACTOR SHALL SUBMIT COPIES OF ALL DRAWINGS TO THE VARIOUS INSPECTION AUTHORITIES, ALL FOR THEIR INFORMATION AND/OR APPROVAL. CARRY ALL ASSOCIATED COST. THIS SHALL BE DONE PRIOR TO COMMENCEMENT OF THE WORK.

NOTE 4: THE DRAWINGS DO NOT NECESSARILY SHOW ALL EXISTING INFORMATION IN THE AREAS OF RENOVATION. VERIFY AND TRACE EXISTING INSTALLATION PRIOR TO ANY DEMOLITION, RELOCATION OR NEW INSTALLATION.

NOTE 5: THE DEMOLITION OF EXISTING DEVICES MADE REDUNDANT BY THE RENOVATION IS PART OF THIS CONTRACT.

NOTE 6: COORDINATE THE ELECTRICAL INSTALLATION WITH THE DEPARTMENTAL REPRESENTATIVE PRIOR TO STARTING ANY WORK.

NOTE 7: PROVIDE ALL REQUIRED CUTTING, PATCHING, CORE DRILLING AND PAINTING TO MATCH EXISTING CONDITION.

NOTE 8: REFER TO NOTE 1 ON DRAWING E3 FOR LIST OF EQUIPMENT SUPPLIED BY DEPARTMENTAL REPRESENTATIVE.

ELECTRICAL PHASING:

THE FOLLOWING PHASING PROCEDURE DOESN'T NECESSARY INCLUDE ALL REQUIREMENT AND REPRESENT ONLY A HIGH LEVEL GUIDELINE. IT SHALL BE READ IN CONJUNCTION WITH THE CONTACT DOCUMENTS. THIS CONTRACTOR SHALL SUBMIT A DETAILED ELECTRICAL PHASING PROCEDURE FOR REVIEW BY THE DEPARTMENTAL REPRESENTATIVE PRIOR TO START ANY WORK.

- COORDINATE WITH ALL APPLICABLE UTILITIES FOR VARIOUS REQUIRED PERMITS. START BY BUILDING THE ELECTRICAL BUILDING AND PROVIDE THE NEW ELECTRICAL SERVICE.
- INSTALL THE NEW GENERATORS C/W ALL ASSOCIATED SLABS, FENCE, BOLLARDS, UNDERGROUND RACEWAYS, EMERGENCY EQUIPMENT SUCH AS THE ATS AND DOCKING PANELS, ETC.
- TEST THE GENERATOR BY USING A LOAD BANK.
- COMMISSION THE NEW EMERGENCY SYSTEM IN THE PRESENCE OF THE DEPARTMENTAL REPRESENTATIVE UNDER THE ELECTRICAL BUILDING LOAD.
- PROVIDE ALL REMAINING UNDERGROUND WORK.
- REFEED THE EXISTING SEARCH AND RESCUE BUILDING FROM THE NEW ELECTRICAL BUILDING SERVICE.
- TEST, COMMISSION AND ENSURE THE COMPLETE SYSTEM IS OPERATING AS INTENDED.
- INSTALL THE ANNUNCIATOR CABINET. RECOMMISSION AND RE-TEST THE COMPLETE EMERGENCY SYSTEM USING THE MAXIMUM BUILDING LOAD. IN THE PRESENCE OF THE DEPARTMENTAL REPRESENTATIVE, TEST ALL ALARM SIGNALS AND COORDINATE WITH THE UTILITY TO SIMULATE A POWER OUTAGE.
- PROVIDE NECESSARY TRAINING.

ELECTRICAL NOTES: ①

NOTE 1: EXISTING SAR STATION BUILDING IS CURRENTLY FED FROM THE HARBOR AUTHORITY ELECTRICAL BUILDING LOCATED ON THE WHARF SIDE THOUGHT 2 X RUNS OF (#250 MCM RW90 AND 1#3 GREEN BOND IN 91mm PVC CONDUITS). REFER TO NOTE 1 ON DRAWING E2 FOR REQUIREMENT.

NOTE 2: REMOVE EXISTING ASPHALT APPROXIMATELY 1830mm IN WIDTH ALL ALONG THIS AREA. REPLACE WITH NEW GRAVEL, PAVING, SODDING AND CONCRETE TO ACCOMMODATE THE INSTALLATION OF THE NEW EMERGENCY GENERATOR, DOCKING PANEL, PROTECTION FENCE AND ELECTRICAL BUILDING AS SHOWN ON NEW SITE PLAN ON DRAWING E3 AND A1. IN ADDITION, REFER TO NOTE 6 ON DRAWING E3 FOR COORDINATION.

NOTE 3: EXISTING PANEL C IS CURRENTLY FED UNDERGROUND FROM THE MAIN ELECTRICAL ROOM LOCATED UNTO THE SAR BUILDING. DISCONNECT EXISTING FEEDER AND LABEL AS SPARE. REFEED EXISTING PANEL C FROM NEW ELECTRICAL BUILDING AS SHOWN ON NEW SINGLE LINE DIAGRAM ON DRAWING E4.

LEGEND:

- INDICATES EXISTING UNDERGROUND WATER SERVICE, ELECTRICAL, COMMUNICATION, RADIO, ETC.
- - - - - INDICATES NEW UNDERGROUND SERVICE
- PO POWER POLE. PO INDICATES POLE DESIGNATION.
- ⊙ POLE MOUNTED FIXTURE.
- ☐ LIGHTING FIXTURE CEILING MOUNTED
- ⊕ LIGHTING FIXTURE WALL MOUNTED
- ⊕ EMERGENCY LIGHTING BATTERY UNIT C/W 2 DUAL HEADS
- ⊕ WALL MOUNTED PROGRAMMABLE TIME SWITCH
- ⊕ a - INDICATES CONTROL GROUP
- ⊕ PHOTOCELL
- ⊕ RECEPTACLE. CSA CONFIGURATION AS SHOWN ON DRAWING
- ⊕ PIN AND SLEEVE RECEPTACLE. CONFIGURATION AS SHOWN ON DRAWING
- ⊕ GENERATOR REMOTE ANNUNCIATOR CABINET.
- ⊕ AUTOMATIC TRANSFER SWITCH CABINET.
- ⊕ CONTACTOR CABINET.
- ⊕ GFR GROUND FAULT RELAY CABINET
- ⊕ PULL BOX.
- ⊕ DIRECT CONNECTION EQUIPMENT.
- ⊕ DISCONNECT SWITCH.
- ⊕ GROUND ROD.
- ⊕ TOL MANUAL STARTER

- ⊕ CIRCUIT BREAKER.
- ⊕ DISCONNECT SWITCH (SINGLE POLE OR MULTIPLE POLE AS INDICATED)
- ⊕ GROUND CONNECTION.
- ⊕ CURRENT TRANSFORMER.
- ⊕ POTENTIAL TRANSFORMER.
- ⊕ CONTACT (NORMALLY CLOSED).
- ⊕ CONTACT (NORMALLY OPEN).
- ⊕ NC NORMALLY CLOSED.
- ⊕ NO NORMALLY OPEN.
- ⊕ LED INDICATING LIGHT.
- ⊕ R - INDICATES RED COLOUR
- ⊕ SHUNT TRIP
- ⊕ METER BASE.

TYPICAL DESCRIPTORS

- A.F.F. INDICATES ABOVE FINISHED FLOOR
- A.F.G. INDICATES ABOVE FINISHED GRADE
- B.F.G. INDICATES BELOW FINISHED GRADE
- PA-10 CIRCUIT INDICATOR
- PA - INDICATES PANEL A
- 10 - INDICATES CIRCUIT NUMBER
- WP INDICATES WEATHERPROOF
- GFI INDICATES GROUND FAULT INTERRUPTING
- E INDICATES EXISTING
- RM INDICATES EXISTING TO BE REMOVED
- RGS INDICATES HOT DIP GALVANIZED PVC COATED CONDUIT
- SAR INDICATES SEARCH AND RESCUE STATION
- STATION
- NIC INDICATES NOT IN CONTRACT
- TYP. INDICATES TYPICAL
- ① INDICATES ELECTRICAL NOTE 1



1	ISSUED FOR TENDER	07 OCT 2020
revisions		date

project SEARCH AND RESCUE STATION EMERGENCY POWER ADDITION project

LOUISBOURG, NS.

EXISTING AND DEMOLITION SITE PLAN

designed H. BATTIKH	conçu
date AUGUST 2020	
drawn K. WOLFE	dessiné
date AUGUST 2020	
approved H. BATTIKH	approuvé
date	
Tender	Soumission
PWSC Project Manager	Administrateur de projets TPSC
project number R.102094.001	no. du projet
drawing no. E1	no. du dessin