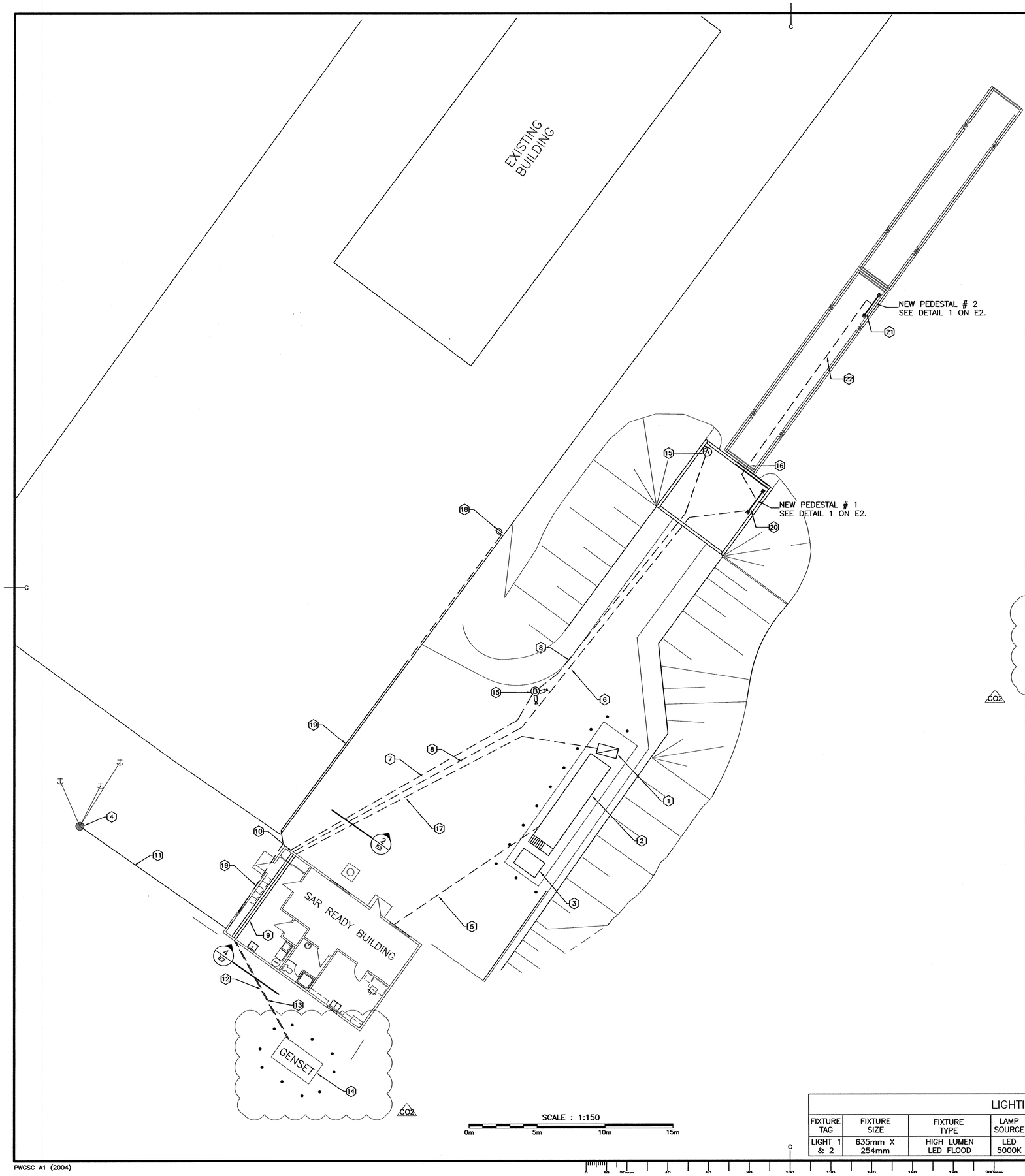

GENERAL NOTES:

1. CONTRACTOR TO DETERMINE ALL EXISTING UNDERGROUND WIRING BEFORE DIGGING.

DRAWING NOTES:

1. NEW FUEL DISPENSER ENCLOSURE.
2. NEW FUEL STORAGE TANK.
3. NEW WASTE OIL TANK.
4. LOCATION OF EXISTING UTILITY POLE. CONTRACTOR TO COORDINATE WITH UTILITY TO UPGRADE SERVICE TO 400A.
5. 2–35mm RIGID PVC CONDUITS FROM FUEL MANAGEMENT CONSOL TO FUEL TANK PROBES SYSTEM. PROVIDE EXPANSION JOINTS FOR CONNECTIONS FROM TRENCH CONDUITS TO BUILDING MOUNTED CONDUITS.
6. 2–53mm RIGID PVC CONDUITS FOR 20A & 30A RECEPTACLES. 1–103mm RIGID PVC CONDUITS FOR 150A RECEPTACLE. PROVIDE EXPANSION JOINTS FOR CONNECTIONS FROM TRENCH CONDUITS TO BUILDING MOUNTED CONDUITS.
7. 1–53mm RIGID PVC CONDUIT FOR CAMERAS ON POLE. PROVIDE EXPANSION JOINTS FOR CONNECTIONS FROM TRENCH CONDUITS TO BUILDING MOUNTED CONDUITS.
8. 1–53mm RIGID PVC CONDUITS FOR POWER TO LIGHTS. PROVIDE ALL NECESSARY JOINTS AND CONNECTIONS WHERE CONDUIT TURNS UP ON THE POLE AND ALL CONNECTIONS TO LIGHT FIXTURES.
9. CONTRACTOR TO RUN EMT CONDUIT IN ATTIC SPACE AND CONVERT TO RIGID PVC CONDUIT ON THE EXTERIOR OF THE BUILDING. CONTRACTOR TO PROVIDE ALL FITTINGS AS NECESSARY.
10. CONTRACTOR TO ENSURE ALL PENETRATIONS TO THE BUILDING ARE WEATHER TIGHT WITH APPROPRIATE FITTINGS AND CONNECTIONS.
11. NEW OVERHEAD LINE BY UTILITY.
12. CONTRACTOR TO SUPPLY AND INSTALL 3 #4 RW90 + 1 #6 TW GROUND IN 53mm PVC CONDUIT FROM PANEL H TO GENERATOR TO SUPPLY POWER TO GENERATOR EQUIPMENT.
13. CONTRACTOR TO SUPPLY AND INSTALL 3 #600MCM + 1 #2 TW GROUND IN 103mm PVC CONDUIT FROM GENERATOR TO MANUAL TRANSFER SWITCH. CONTRACTOR TO ROUTE CONDUIT ON THE OUTSIDE OF THE BUILDING AND LB INTO THE BUILDING. ONCE INSIDE THE BUILDING CONVERT TO EMT CONDUIT.
14. LOCATION OF NEW 120/240V, 1ø, 3W, 100KW GENERATOR TO BE SUPPLIED BY CANADA. THE CONTRACTORS SCOPE OF WORK SHALL BE:
    - TERMINATE ALL CONNECTIONS ON GENERATOR
    - STORE GENERATOR
    - OFFLOAD GENERATOR AND PLACE ON PAD
    - ALL PAD OPENINGS REQUIRED FOR GENERATOR/COORDINATION
    - PROVIDE FUEL FOR ALL TESTING/COMMISSIONING/START UP AND TOP UP FUEL FOR GENERATOR AND DAY TANK ONCE ALL IS COMPLETE.
    - PROVIDE A QUOTE FOR THE PROVINCIAL REPRESENTATIVE FOR CUMMINS TO PROVIDE TRAINING AND SITE START UP AND TESTING.

CO2

15. CONTRACTOR TO TIE POLE LIGHTING INTO EXTERIOR LIGHTING CONTROL ON SAR BUILDING.
16. CONTRACTOR TO ENSURE THAT SOOW CABLES HAVE ENOUGH SLACK FOR RISING TIDES AND ENSURE THAT THE CABLES ARE PROTECTED AND SUPPORTED FROM THE MOVEMENT OF THE FLOATING DOCK.
17. 2–35mm RIGID PVC CONDUIT FOR HOSE REEL AND FUEL PUMP. PROVIDE EXPANSION JOINTS FOR CONNECTIONS FROM TRENCH CONDUITS TO BUILDING MOUNTED CONDUITS.
18. APPROXIMATE LOCATION OF HARP RECEPTACLE.
19. APPROXIMATE LOCATION OF CABLING FOR HARP RECEPTACLE.
20. SOOW CABLES TO BE C/W PLUG MATCHING THE RECEPTACLE IN PEDESTAL #1 SUCH THAT THE CABLES CAN BE PLUGGED IN AND CONNECTED TO PEDESTAL #1.
21. SOOW CABLES TO BE HARD WIRED INTO RECEPTACLES IN PEDESTAL #2.
22. CONTRACTOR TO RUN CABLES IN FLOATING DOCK ALONG INTERIOR LONGITUDINALS OF FLOATING DOCK. FASTEN WITH GALVANIZED STEEL STRAPS AND SUPPORT AS REQUIRED.

POLE A 35' CLASS 1 WOODEN ROUND POLE C/W ONE(1) MOUNTING BRACKET. LIGHTS TO BE MOUNTED IN DIRECTION AS SHOWN IN TABLE. CONTRACTOR TO USE PVC CONDUIT UP THE POLE TO A JUNCTION BOX THEN USE FLEXIBLE CONNECTION TO THE LIGHT FIXTURES.	LIGHT 1 TILT 70° LIGHT 2 TILT 70°
POLE B 35' CLASS 1 WOODEN ROUND POLE C/W ONE(1) MOUNTING BRACKET. LIGHTS TO BE MOUNTED IN DIRECTION AS SHOWN IN TABLE. CONTRACTOR TO USE PVC CONDUIT UP THE POLE TO A JUNCTION BOX THEN USE FLEXIBLE CONNECTION TO THE LIGHT FIXTURES.	LIGHT 1 TILT 65° LIGHT 2 TILT 65°

LIGHTING FIXTURE SCHEDULE

FIXTURE TAG	FIXTURE SIZE	FIXTURE TYPE	LAMP SOURCE	LOCATION	MOUNTING	VOLTAGE	BALLAST	APPROX. WATTAGE	APPROX. LUMENS	REMARKS
LIGHT 1 & 2	635mm X 254mm	HIGH LUMEN LED FLOOD	LED 5000K	EXTERIOR	POLE	120	LED DRIVER	246	27432	C/W MOUNTING BRACKET. MOUNT IN DIRECTION AS SHOWN.

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

REGISTERED PROFESSIONAL ENGINEER
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SIGNATURE
30-April-2018
DATE
NEWFOUNDLAND & LABRADOR

revisions		date
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C01	ISSUED FOR TENDER	MAR 28 2018

project / projet

ST. ANTHONY SAR STATION REFURBISHMENT PHASE II
SAR READY BUILDING & FLOATING DOCK

drawing / dessin

ELECTRICAL SITE PLAN

designed / conçu	JF
date	2017–10–30
drawn / dessiné	SU
date	2017–10–30
approved / approuvé	MK
date	2017–10–30
Tender / Soumission	DB
PWGSC Project Manager / Administrateur de projets TPSGC	01 May 2018
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drawing no. / no. du dessin	E1 – REV

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