



#### GENERAL NOTES - BUILDINGS 20 AND 51:

- 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.
- ELECTRICAL CONTRACTOR TO COORDINATE ALL WORK WITH AAFC NAPPAN PRIOR TO STARTING WORK.
- CONTRACTOR SHOULD VISIT SITE PRIOR TO TENDER TO ASSESS EXISTING CONDITIONS, OBSTRUCTIONS, MATERIALS, ETC.
- 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.
- MAKE GOOD ALL AREAS AFFECTED BY CONSTRUCTION.
- ALL EQUIPMENT AND MATERIAL SHALL BE CSA CERTIFIED.
- DEPARTMENTAL REPRESENTATIVE AND NSPI SHALL INSPECT ALL UNDERGROUND INSTALLATIONS PRIOR TO BACKFILLING.
- TEST EACH WATERER RECEPTACLE BEFORE FINAL COMPLETION OF WORK. USE A TOOL CAPABLE OF VOLTAGE DROP MEASUREMENT UNDER LOAD FOR 15A RECEPTACLES RESPECTIVELY AS WELL AS TO TEST GFCI FUNCTIONALITY TESTING. USE A TOOL EQUIVALENT TO WIRE TESTER "AMPROBE INSP-3" TO TEST ALL 15A RECEPTACLES UNDER LOAD. THE DEPARTMENTAL REPRESENTATIVE SHALL WITNESS ALL TESTS.
- EXISTING BUILDINGS ARE NOT INSULATED OR HEATED. SEAL WATERTIGHT ALL CONDUIT ENTRIES.

#### CONSTRUCTION NOTES: ①

- DISCONNECT AND REMOVE THE FOLLOWING IN EXISTING PANEL A:
  - 2P, 30A BREAKER IN CCT. 1,3. DISCONNECT AND REMOVE ALL ASSOCIATED WIRING
  - 1P, 15A BREAKER IN CCT. 29. DISCONNECT AND REMOVE ALL ASSOCIATED WIRING
- SUPPLY AND INSTALL THE FOLLOWING IN EXISTING PANEL A:
  - 1P, 15A BREAKER IN CIRCUIT # 1.
  - 1P, 15A BREAKER IN CIRCUIT # 3.
  - 1P, 15A BREAKER IN CIRCUIT # 29.NEW BREAKERS TO MATCH EXISTING PANEL 'A'. EXISTING PANEL 'A' IS: SIEMENS P1A42ML125ATS.
- DISCONNECT AND REMOVE EXISTING FEEDERS, AND ALL ASSOCIATED CONDUIT, TO EXISTING WATERERS. ALL EXISTING BRANCH CIRCUITRY TO BE REMOVED BACK TO EXISTING PANEL 'A'.
- REDUCE WIRE SIZE TO #10 AWG RW90 Cu. FOR FINAL TRANSITION TRANSITION TO WATERER RECEPTACLE. PROVIDE ALL RACEWAY TO ALLOW FOR WIRE SIZE REDUCTION.
- PROVIDE EXPANSION JOINT FOR EACH CONDUIT BEFORE FINAL TRANSITION TO UNDERGROUND.

NOTES	VOLTS <u>120/240</u>		PANEL <u>EXISTING PANEL A</u>		TYPE <u>3R</u>				NOTES			
	PHASE <u>1</u>		LOCATION <u>BUILDING 20</u>		MAINS <u>125</u> AMPS							
	WIRE <u>3</u>		FED FROM <u>NSPI SERVICE</u>		BRANCH BREAKER I.C. <u>      </u> MTG. <u>S</u>							
DESIGNATION		KW		CIR NO.	BKR	A	B	BKR	CIR NO.	KW	DESIGNATION	
		A	B							A	B	
WATER BOWLS				1	2P	○		2P	2			CALF WARMER
				3	30A	○	○	30A	4			
30A RECEPTACLE				5	2P	○		2P	6			CALF WARMER
				7	30A	○	○	30A	8			
WATER HEATER				9	2P	○		2P	10			OVERHEAD DOOR
				11	15A	○		15A	12			
LIGHTS				13	15A	○		2P	14			OVERHEAD DOOR
OUTSIDE YARD LIGHT				15	15A	○		15A	16			
LIGHTS				17	15A	○		2P	18			ELECTRIC HEAT OFFICE
LIGHTS				19	15A	○		20A	20			
ELECTRIC FENCE RECEPTACLE				21	15A	○		15A	22			OFFICE LIGHT AND RECEPTACLE
BLOCK HEATER RECEPTACLE				23	15A	○		15A	24			RECEPTACLE BY PANEL
ELECTRIC GATES				25	15A	○		15A	26			RECEPTACLES SIDE WALL
ELECTRIC GATES				27	15A	○		15A	28			LIGHTS
SPARE				29	15A	○		15A	30			LIGHTS
				31		○		15A	32			BED STORAGE LIGHTS
				33		○			34			
				35		○			36			
				37		○			38			
				39		○			40			
				42		○			42			
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NOTES	VOLTS <u>120/240</u>		PANEL <u>EXISTING PANEL A</u>		TYPE <u>3R</u>		NOTES					
	PHASE <u>1</u>		LOCATION <u>BUILDING 20</u>		MAINS <u>125</u> AMPS							
	WIRE <u>3</u>		FED FROM <u>NSPI SERVICE</u>		BRANCH BREAKER I.C. <u>      </u> MTG. <u>S</u>							
	DESIGNATION		KW		CIR NO.			DESIGNATION				
		A	B	CIR NO.	BKR	A	B	BKR	CIR NO.	A	B	
1	WATER BOWL WB-1			1	15A	○		2P	2			CALF WARMER
1	WATER BOWL WB-2			3	15A	○	○	30A	4			
2	30A RECEPTACLE			5	2P	○		2P	6			CALF WARMER
				7	30A	○		30A	8			
2	WATER HEATER			9	2P	○		2P	10			OVERHEAD DOOR
				11	15A	○		15A	12			
2	LIGHTS			13	15A	○		2P	14			OVERHEAD DOOR
2	OUTSIDE YARD LIGHT			15	15A	○		15A	16			
2	LIGHTS			17	15A	○		2P	18			
2	LIGHTS			19	15A	○		20A	20			ELECTRIC HEAT OFFICE
2	ELECTRIC FENCE RECEPTACLE			21	15A	○		15A	22			OFFICE LIGHT AND RECEPTACLE
2	BLOCK HEATER RECEPTACLE			23	15A	○		15A	24			RECEPTACLE BY PANEL
2	ELECTRIC GATES			25	15A	○		15A	26			RECEPTACLES SIDE WALL
2	ELECTRIC GATES			27	15A	○		15A	28			LIGHTS
1	WATER BOWL WB-3			29	15A	○		15A	30			LIGHTS
				31		○		15A	32			BED STORAGE LIGHTS
				33		○			34			
				35		○			36			
				37		○			38			
				39		○			40			
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revisions

project SITE IMPROVEMENT AAFC NAPPAN project

CUMBERLAND COUNTY NOVA SCOTIA

drawing BUILDING 20 ELECTRICAL LAYOUT, DETAILS AND NOTES FOR NEW WATERERS dessin

designed K.G. WOLFE conçu

date FEBRUARY 2020

drawn K.G. WOLFE dessiné

date FEBRUARY 2020

approved

date

Tender

Project Manager Administrateur de projets TP50C

project number R.106505.001 no. du projet

drawing no. E01 no. du dessin