

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

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revisions

project SITE IMPROVEMENTS A AFC NAPPAN project

CUMBERLAND COUNTY NOVA SCOTIA

designed K.G. WOLFE conçu

date FEBRUARY 2020

drawn K.G. WOLFE dessiné

date FEBRUARY 2020

approved

date

Tender

Submission

PWGS Project Manager / Administrateur de projets TPSGC

project number R.106505.001 no. du projet

drawing no. E02 no. du dessin

CONSTRUCTION NOTES:

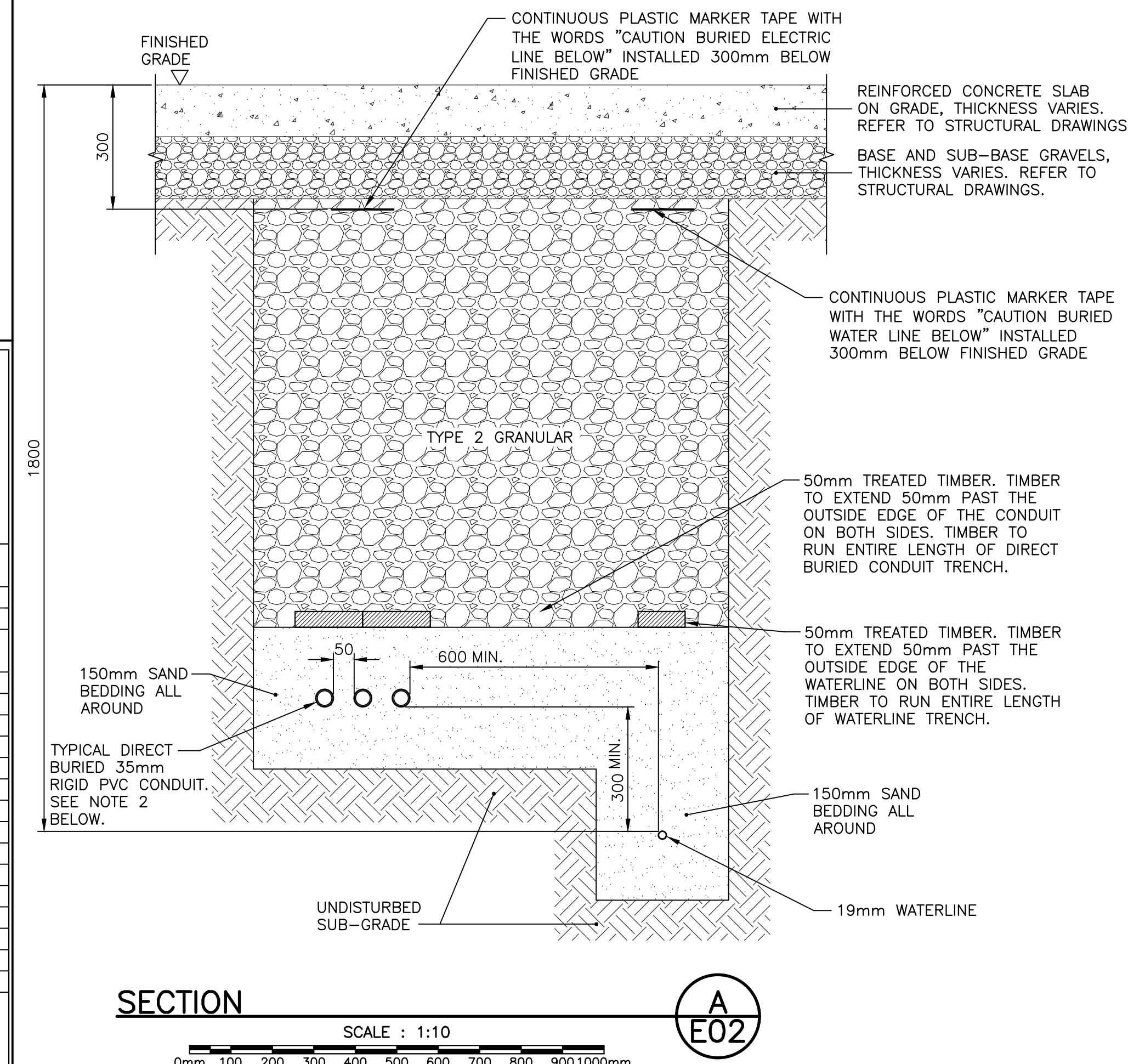
- DISCONNECT AND REMOVE EXISTING FEEDER FROM FUSED DISCONNECT TO NSPI CONNECTION AT SERVICE MAST. SUPPLY AND INSTALL NEW 3#3/0 AWG RW90 Cu. FEEDER FROM NSPI SERVICE CONNECTION TO NEW FUSED DISCONNECT SWITCH.
- DISCONNECT AND REMOVE EXISTING SERVICE ENTRANCE RATED FUSED DISCONNECT SWITCH. DISCONNECT FROM SYSTEM GROUND. SUPPLY AND INSTALL A NEW 240V, 200A SERVICE ENTRANCE RATED FUSED DISCONNECT SWITCH FUSED AT 200A. RECONNECT TO EXISTING SYSTEM GROUND. REFER TO LEGEND AND SPECIFICATION FOR DESCRIPTION OF DISCONNECT SWITCH.
- DISCONNECT AND REMOVE EXISTING 120/240V, 200A DISTRIBUTION PANEL. TURN PANEL OVER TO DEPARTMENTAL REPRESENTATIVE. SUPPLY AND INSTALL A NEW 120/240V, 200A DISTRIBUTION PANEL c/w CIRCUIT BREAKERS AS PER PANEL SCHEDULE, DRAWING E02. REFER TO LEGEND AND SPECIFICATION FOR DESCRIPTION OF PANEL.
- DISCONNECT EXISTING FEEDER BETWEEN DISCONNECT SWITCH AND MANUAL TRANSFER SWITCH TO FACILITATE REMOVAL OF DISCONNECT SWITCH. UPON COMPLETED INSTALLATION OF NEW DISCONNECT SWITCH SUPPLY AND INSTALL NEW 3#3/0 AWG RW90 Cu. FEEDER IN 53mm RIGID PVC CONDUIT BETWEEN DISCONNECT SWITCH AND MANUAL TRANSFER SWITCH.
- DISCONNECT EXISTING FEEDER/CONDUIT BETWEEN PANEL 'A' AND MANUAL TRANSFER SWITCH TO FACILITATE REMOVAL OF PANEL 'A'. UPON COMPLETED INSTALLATION OF NEW PANEL 'A' SUPPLY AND INSTALL NEW 3#3/0 AWG RW90 Cu. FEEDER IN 53mm RIGID PVC CONDUIT BETWEEN PANEL 'A' AND MANUAL TRANSFER SWITCH AND RECEPTACLE TO REMAIN.
- REDUCE WIRE SIZE TO #10 AWG RW90 Cu. FOR FINAL TRANSITION TRANSITION TO WATERER RECEPTACLE. PROVIDE ALL RACEWAY TO ALLOW FOR WIRE SIZE REDUCTION.
- REMOVE EXISTING BACKBOARD FOR DISCONNECT SWITCH AND PANEL AFETR REMOVAL OF EQUIPMENT. PROVIDE NEW 19mm TREATED TIMBER PLYWOOD BACKBOARD FOR ELECTRICAL EQUIPMENT c/w ALL REQUIRED SUPPORTING SYSTEM. ALL SUPPORTING SYSTEM SHALL BE HOT DIPPED GALVANIZED. SIZE TO BE DETERMINED ON SITE. PAINT PLYWOOD WITH 3 LAYERS OF FIRE PROOF PAINT, ALL SIDES.

NOTES	VOLTS	120/240		PANEL	EXISTING PANEL A				TYPE	3		
	PHASE	1		LOCATION	BUILDING 51				MAINS	225 AMPS		
	WIRE	3		FED FROM	NSPI SERVICE				BRANCH BREAKER I.C.	18kA	MTG.	S
	DESIGNATION	KW		CIR NO.	BKR	A	B	BKR	CIR NO.	KW		DESIGNATION
		A	B							A	B	
	UNKNOWN (ON) #1			1	15A	○		2P	2			UNKNOWN (ON) #7
	CEILING LIGHTS – LEFT SIDE			3	15A	○	○	30A	4			
	CEILING LIGHTS – RIGHT SIDE			5	15A	○		15A	6			UNKNOWN (ON) #8
	TIME CLOCK			7	15A	○	○	15A	8			RECEPTACLES LEFT SIDE BARN 5
	HAY STORAGE LIGHTS			9	15A	○		2P	10			HOT WATER TANK
	UNKNOWN (ON) #2			11	15A	○		30A	12			
	SPARE			13	15A	○	○	14		○	○	BLANK
	UNKNOWN (ON) #3			15	15A	○		15A	16			OFFICE HEATER
	SPARE			17	2P	○		15A	18			OFFICE LIGHTS & PLUGS
	SPARE			19	15A	○		20		○	○	BLANK
				21		○		15A	22			WATER BOWL
				23		○		15A	24			WATER BOWL
				25		○		15A	26			RECEPTACLES RIGHT SIDE
				27		○		15A	28			RECEPTACLES FAR END WALL
				29		○		15A	30			RECEPTACLES LEFT SIDE BARN 7
				31		○		15A	32			RECEPTACLES RIGHT SIDE FAR END
				33		○		15A	34			RECEPTACLES LEFT SIDE FAR END BARN 6
	WATER BOWL			35	15A	○		15A	36			UNKNOWN (ON) #9
1	UNKNOWN (ON) #4			37	15A	○		15A	38			RECEPTACLES LEFT SIDE BARN 3
1	UNKNOWN (ON) #5			39	15A	○		15A	40			RECEPTACLES LEFT SIDE BARN 1
1	UNKNOWN (ON) #6			42	15A	○		15A	42			RECEPTACLES LEFT SIDE BARN 2
NOTES: 1. EXISTING GFCI BREAKER												
FEEDER EXISTING BEING REMOVED												
TOTAL LOAD N/A KW N/A AMPS												

NOTES	VOLTS	120/240	PANEL	NEW PANEL A				TYPE	4X			
	PHASE	1	LOCATION	BUILDING 51				MAINS	225 AMP			
	WIRE	3	FED FROM	NSPI SERVICE				BRANCH BREAKER I.C.	18kA	MTG.	S	
DESIGNATION	KW		CIR NO.	BKR	A		B	BKR	CIR NO.	KW		DESIGNATION
	A	B			A	B				A	B	
3	UNKNOWN (ON) #1		1	15A	○			2P	2			UNKNOWN (ON) #7
3	CEILING LIGHTS – LEFT SIDE		3	15A	○			30A	4			
3	CEILING LIGHTS – RIGHT SIDE		5	15A	○			15A	6			UNKNOWN (ON) #8
3	TIME CLOCK		7	15A	○			15A	8			RECEPTACLES LEFT SIDE BARN 5
3	HAY STORAGE LIGHTS		9	15A	○			2P	10			HOT WATER TANK
3	UNKNOWN (ON) #2		11	15A	○			30A	12			
3	UNKNOWN (ON) #3		13	15A	○			15A	14			OFFICE HEATER
1	WATER BOWL (WB-1)		15	15A	○			15A	16			OFFICE LIGHTS & PLUGS
1	WATER BOWL (WB-2)		17	15A	○			15A	18			RECEPTACLES RIGHT SIDE
1	WATER BOWL (WB-3)		19	15A	○			15A	20			RECEPTACLES FAR END WALL
1	WATER BOWL (WB-4)		21	15A	○			15A	22			RECEPTACLES LEFT SIDE BARN 7
1	WATER BOWL (WB-5)		23	15A	○			15A	24			RECEPTACLES RIGHT SIDE FAR END
1	WATER BOWL (WB-6)		25	15A	○			15A	26			RECEPTACLES LEFT SIDE FAR END BARN 6
3	UNKNOWN (ON) #4		27	15A	○			15A	28			UNKNOWN (ON) #9
3	UNKNOWN (ON) #5		29	15A	○			15A	30			RECEPTACLES LEFT SIDE BARN 3
3	UNKNOWN (ON) #6		31	15A	○			15A	32			RECEPTACLES LEFT SIDE BARN 1
3	SPARE		33	2P	○			15A	34			RECEPTACLES LEFT SIDE BARN 2
3	SPARE		35	15A	○				36			
			37		○				38			
			39		○				40			
			42		○				42			
	BLANK											BLANK
ø "A" TOTAL	N/A	WATTS	NOTES: 1. NEW CIRCUIT WITH NEW GFCI PROTECTED BREAKER (SEE SPEC SECTION 26 28 20)									
ø "B" TOTAL	N/A	WATTS	2. EXISTING CIRCUIT WITH NEW GFCI PROTECTED BREAKER (SEE SPEC SECTION 26 28 20)									
			3. EXISTING CIRCUIT WITH NEW BREAKER									
TOTAL LOAD	N/A	KW	N/A	AMPS	FEEDER NEW 3#3/0 AWG RW90 Cu. IN 53mm RIGID PVC CONDUIT							

NOTE:

EXTEND EXISTING BRANCH CIRCUIT CABLE/WIRING/CONDUITS AS REQUIRED TO MATCH EXISTING CIRCUITS



- NOTE:
- ALL DIMENSIONS ARE IN MILLIMETERS.
 - REFER TO SITE PLANS FOR EXACT QUANTITY OF CONDUITS.