

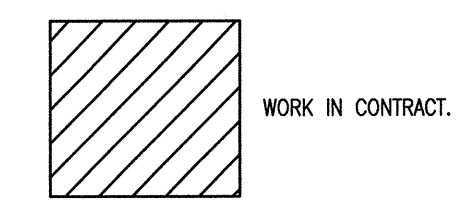
GENERAL NOTES:

1. DISCONNECTION OF MECHANICAL EQUIPMENT WILL BE PHASED. COORDINATE WORK WITH THE MECHANICAL CONTRACTOR ON SITE.
2. REMOVE ALL REDUNDANT CONDUCTORS AND RACEWAYS BACK TO SOURCE.
3. DISTRIBUTION OUTAGES SHALL BE COORDINATED WITH AND APPROVED BY THE FACILITY MANAGER. ALLOWANCE SHALL BE MADE FOR THIS WORK TO BE COMPLETED OUTSIDE NORMAL WORKING HOURS.

KEY NOTES:

- 1 EXISTING MCC LAYOUTS TO BE REVISED. REFER TO DRAWING ES.01-1 FOR MCC ELEVATIONS
- 2 DISCONNECT FOUR WELL PUMP CONNECTIONS BOTH IN THE PANEL AND OUT IN THE FIELD. LABEL AND MAKE SAFE. REFER TO MECHANICAL DRAWINGS FOR PUMP LOCATIONS. SEE SITE PLAN FOR WELL PUMP LOCATIONS.
- 3 PROVIDE A DEDICATED 120V, 15A, 1P CIRCUIT TO THE CHILLER FOR CONTROL POWER AND A DEDICATED 120V, 15A CIRCUIT (GFCI CIRCUIT BREAKER) FOR CHILLER PIPING HEAT TRACE (SUPPLIED BY OTHERS). COORDINATE WORK WITH MECHANICAL CONTRACTOR ON SITE.
- 4 CHILLER LOCAL DISCONNECT SWITCH SUPPLIED BY OTHERS.
- 5 DISCONNECT CHILLER FEEDER AND PULL CONDUCTORS BACK TO SOURCE AND REMOVE. EXISTING CIRCUIT BREAKER TO BE LEFT AS SPARE AND LABELS UPDATED ACCORDINGLY.

LEGEND:



FEEDER SCHEDULE

FDR NO.	FDR AMP	FDR SIZE/TYP	FDR NO.	FDR SIZE/TYP	FDR NO.	FDR SIZE/TYP	FDR NO.	FDR SIZE/TYP
30	1	4 #12, 20mm C	1A	3 #12, 20mm C	1B	3 #12 + 1 #12 GR-20mm C	1C	4 #12 + 1 #12 GR-20mm C
30	2	4 #10, 20mm C	2A	3 #10, 20mm C	2B	3 #10 + 1 #10 GR-25mm C	2C	4 #10 + 1 #10 GR-25mm C
45	3	4 #8, 20mm C	3A	3 #8, 20mm C	3B	3 #8 + 1 #8 GR-25mm C	3C	4 #8 + 1 #8 GR-25mm C
65	4	4 #6, 25mm C	4A	3 #6, 25mm C	4B	3 #6 + 1 #6 GR-32mm C	4C	4 #6 + 1 #6 GR-32mm C
85	5	4 #4, 32mm C	5A	3 #4, 25mm C	5B	3 #4 + 1 #6 GR-32mm C	5C	4 #4 + 1 #6 GR-32mm C
105	6	4 #3, 32mm C	6A	3 #3, 32mm C	6B	3 #3 + 1 #6 GR-32mm C	6C	4 #3 + 1 #6 GR-32mm C
120	7	4 #2, 32mm C	7A	3 #2, 32mm C	7B	3 #2 + 1 #4 GR-38mm C	7C	4 #2 + 1 #4 GR-38mm C
140	8	4 #1, 38mm C	8A	3 #1, 32mm C	8B	3 #1 + 1 #2 GR-38mm C	8C	4 #1 + 1 #2 GR-38mm C
155	9	4 #1/0, 50mm C	9A	3 #1/0, 38mm C	9B	3 #1/0 + 1 #1 GR-50mm C	9C	4 #1/0 + 1 #1 GR-50mm C
185	10	4 #2/0, 50mm C	10A	3 #2/0, 50mm C	10B	3 #2/0 + 1 #1 GR-50mm C	10C	4 #2/0 + 1 #1 GR-50mm C
210	11	4 #3/0, 50mm C	11A	3 #3/0, 50mm C	11B	3 #3/0 + 1 #1 GR-50mm C	11C	4 #3/0 + 1 #1 GR-50mm C
235	12	4 #4/0, 50mm C	12A	3 #4/0, 50mm C	12B	3 #4/0 + 1 #1 GR-65mm C	12C	4 #4/0 + 1 #1 GR-65mm C
265	13	4 #250MCM, 65mm C	13A	3 #250MCM, 65mm C	13B	3 #250MCM + 1 #1/0 GR-75mm C	13C	4 #250MCM + 1 #1/0 GR-75mm C
295	14	4 #300MCM, 75mm C	14A	3 #300MCM, 65mm C	14B	3 #300MCM + 1 #1/0 GR-75mm C	14C	4 #300MCM + 1 #1/0 GR-75mm C
325	15	4 #350MCM, 75mm C	15A	3 #350MCM, 65mm C	15B	3 #350MCM + 1 #1/0 GR-100mm C	15C	4 #350MCM + 1 #1/0 GR-100mm C
345	16	4 #400MCM, 75mm C	16A	3 #400MCM, 75mm C	16B	3 #400MCM + 1 #1/0 GR-100mm C	16C	4 #400MCM + 1 #1/0 GR-100mm C
395	17	4 #500MCM, 100mm C	17A	3 #500MCM, 75mm C	17B	3 #500MCM + 1 #2/0 GR-100mm C	17C	4 #500MCM + 1 #2/0 GR-100mm C
500	18	4 #750MCM, 125mm C	18A	3 #750MCM, 125mm C	18B	3 #750MCM + 1 #3/0 GR-125mm C	18C	4 #750MCM + 1 #3/0 GR-125mm C

**- DENOTES ARMoured CABLE

DISTRIBUTION TRANSFORMER SCHEDULE

SYMBOL NO.	TX NO.	CAPACITY kVA	VOLTAGE	WINDING	SECONDARY VOLTAGE	WINDING	DESIGN NO.
1	T1-L-1	150	600V	DELTA	120/208V	WYE	2
2	T1-L-2	150	600V	DELTA	120/208V	WYE	2
3	T1-L-3	150	600V	DELTA	120/208V	WYE	1
4	T1-L-4	150	600V	DELTA	120/208V	WYE	1
5	T1-L-5	150	600V	DELTA	120/208V	WYE	1
6	T1-L-6	30	600V	DELTA	120/208V	WYE	2
7	T1-L-7	75	600V	DELTA	120/208V	WYE	2
8	T1-L-8	225	600V	DELTA	120/208V	WYE	1



C	ISSUED FOR TENDER	14/05/02
B	100% SUBMISSION	14/01/24
A	95% SUBMISSION	13/12/13

Client/Client: **AGRICULTURE AND AGRI-FOODS CANADA**

Project Title/Titre du projet: **PARC AGASSIZ AGASSIZ, B.C.**

ATES SYSTEM REPLACEMENT

Approved by/Approve par: **T. WONG**

Designed by/Concept par: **K. BRZICA**

Drawn by/Dessiné par: **A. GHARAPETIAN**

PWGC Project Manager/Administrateur de Projets: **TPSGC T. DUNPHY**

PWGC Architectural and Engineering Resources Manager/ Ressources Architecturales et de Directeur d'Ingénierie, TPSGC: **P. FUNG**

Client/Client: **AGRICULTURE AND AGRI-FOODS CANADA**

Drawing title/Titre du dessin: **SINGLE LINE DIAGRAM**

Project No./No. du projet: R.054815.001	Sheet/Fauille: E5.01-1	Revision no./Le Révision no.: C
--	-------------------------------	--