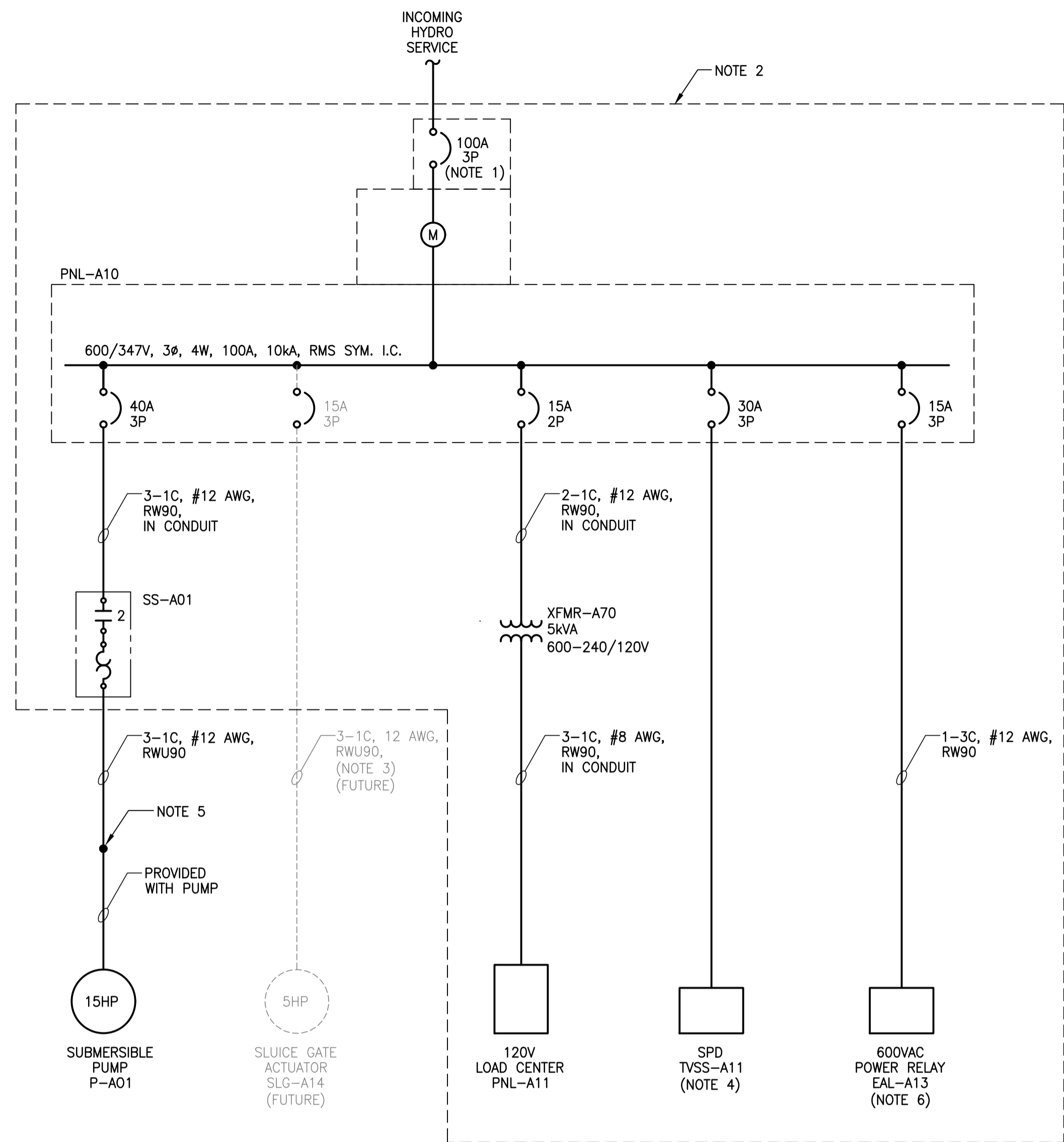
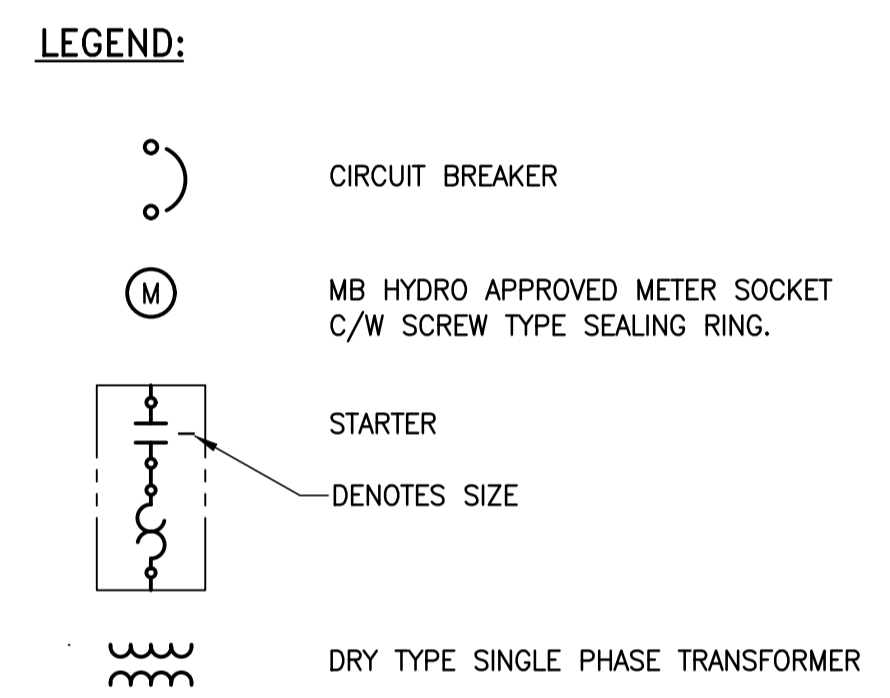


File Name: \\k-file-4-p-data\Projects\2018\18-0107-005\Dwg\Elec\18-0107-005_E01.dwg - Tab: E01 Plotted By: jdeleon 09/12/2018 [Wed 11:30am] CW-9-M564-1



- NOTES:**
- BREAKER SHALL BE SERVICE ENTRANCE RATED.
 - EQUIPMENT INDICATED SHALL BE LOCATED WITHIN PADMOUNT ENCLOSURE.
 - PROVIDE RIGID STAINLESS STEEL CONDUIT FOR ABOVE GROUND PORTION OF RUN AND 1'-0" BELOW GRADE TO DETER VANDALISM.
 - PROVIDE AND INSTALL A TOTAL PROTECTION SOLUTIONS SERVICETRACK ST080-3Y600 SURGE PROTECTION DEVICE (SPD). SPD SHALL BE LOCATED DIRECTLY ADJACENT TO PANEL PNL-A10. EXTENSION OF MANUFACTURER SUPPLIED CABLE SHALL NOT BE PERMITTED. INSTALL ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
 - CONNECTION SHALL BE MADE IN A NON-METALLIC NEMA 4 RATED JUNCTION BOX LOCATED IN THE PUMP CHAMBER IMMEDIATELY BELOW HATCH AND ADJACENT TO CONDUIT ENTRY POINT AS SHOWN ON DETAIL 'F' OF DRAWING LD-8647 (E06).
 - PROVIDE, INSTALL, TEST AND COMMISSION AN ABB MONITORING RELAY, PART No. WWM011AL. POWER MONITOR SETPOINTS AS FOLLOWS:
 UNBALANCE: 9%
 LINE VOLTAGE: 600V
 TRIP DELAY: 2 SEC
 RESTART DELAY: 10 SEC
 SELECTOR: AUTO RESTART WITH TRIP DELAY
 - EQUIPMENT SHOWN IN GREY NOT IN SCOPE OF WORK. ALLOWANCE SHALL BE MADE FOR FUTURE PROVISIONS.



1 SINGLE LINE DIAGRAM
SCALE: N.T.S.

SUPPLY: 240V 1Ø 3W MAINS AMPACITY: 60 INCOMING: <input type="checkbox"/> BREAKER <input checked="" type="checkbox"/> LUGS MAIN BREAKER REQUIRED: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO MAIN BREAKER AMPS: BUS MATERIAL: <input checked="" type="checkbox"/> COPPER <input type="checkbox"/> ALUMINUM BUS AND BREAKER RATING: 10kA		NAME PLATE: PANEL 'PNL-A11'		LOCATION: PADMOUNT ENCLOSURE MOUNTING: <input checked="" type="checkbox"/> SURFACE <input type="checkbox"/> FLUSH MANUFACTURER: MODEL NO: BREAKER: <input type="checkbox"/> PLUG-IN <input checked="" type="checkbox"/> BOLT-ON SPD: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO SERVICE ENTRANCE RATED: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO							
REV	CCT	VA	P	BKR	L1	L2	BKR	P	VA	CCT	REV
1	ENCLOSURE LUMINAIRES	800	1	15	•	•	15	1	1200	RTU PANEL	2
3	ENCLOSURE ENVIRONMENTAL CONTROLS	1200	1	15	•	•	15	1	--	SPARE	4
5	POWER RECEPTACLE (PANEL MOUNTED)	200	1	15	•	•	--	--	--	--	6
7		--	--	--	•	•	--	--	--	--	8
9		--	--	--	•	•	--	--	--	--	10
11		--	--	--	•	•	--	--	--	--	12
13		--	--	--	•	•	--	--	--	--	14
15		--	--	--	•	•	--	--	--	--	16
17		--	--	--	•	•	--	--	--	--	18
		LOAD 'L1'		LOAD 'L2'							
		2,200		1,200							



FIELD BOOK #:				ENGINEER'S SEAL	
POSTED TO LBIS				DESIGNED BY LU CHECKED BY JAB	
		DRAWN BY JPL APPROVED BY JAB			
		HDR. SCALE AS NOTED RELEASED FOR CONSTRUCTION K. ZUREK			
		VERTICAL AS NOTED			
0	ISSUED FOR CONSTRUCTION	18/09/11	JAB	2018 06 05	2018 09 11
ND.	REVISIONS	DATE	BY	DATE	DATE

THE CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT
 DONALD OUTFALL CHAMBER UPGRADES
ELECTRICAL
 SINGLE LINE DIAGRAM
 AND PANELBOARD SCHEDULE

SHEET 10 OF 24
 CITY DRAWING NUMBER
 LD-8642

E01