



KEY NOTES:	
1	WIRE AND CONNECT NEW PUMP P-1 FROM NEW STARTER WITH A 3c#6 TECK CABLE. PROVIDE SIMILAR CONNECTION FOR P-2.
2	WIRE AND CONNECT NEW FLOW METER AND REMOTE DISPLAY. CONNECT TO EXISTING PANEL K. REMOVE EXISTING REDUNDANT EQUIPMENT TO MAKE SPACE FOR NEW DISPLAY.
3	RELOCATE EXISTING RECEPTACLES, CONTROL AND WIRING TO NEW CHLORINATOR. LOCATE ALL EQUIPMENT AND WIRING TO COORDINATE WITH NEW SINK.
4	WIRE AND CONNECT NEW PUMP P-1 WITH 3#6 RW90 IN EMT FROM DISTRIBUTION PANEL 6SD-1 TO A NEW MOTOR STARTER. PROVIDE A 70 AMP, 3 POLE BREAKER C/W ALL MOUNTING HARDWARE IN 6SD-1. MOTOR STARTER TO BE ALSTART 22 ATS22D75S6U WITH VENTILATED, GASKETED ENCLOSURE. PROVIDE SIMILAR EQUIPMENT AND CONNECTIONS FOR PUMP P-2
5	WIRE AND CONNECT THE UV CONTROL PANEL TO A NEW 20 AMP 3POLE BREAKER IN DISTRIBUTION PANEL 6SD-1 WITH 3#10 RW90 IN EMT. GROUND CONTROL PANEL TO MAIN BUILDING GROUND WITH A #6 AWG CU CABLE.
6	SUPPLY AND INSTALL A FEDERAL SIGNAL AV1-LED AUDIBLE/VISUAL ALARM. WIRE AND CONNECT THE ALARM UNIT THROUGH A N/O CONTACT IN THE LEVEL ALARM CONTROL PANEL.S
7	WIRE AND CONNECT UV UNIT TO CONTROL PANEL WITH A 3c#10 TECK CABLE.
8	WIRE AND CONNECT THE HIGH LEVEL SENSOR CONTACT TO THE LEVEL ALARM CONTROL PANEL.
9	REFEED EXISTING COMBINATION EXIT LIGHT TO BE INTERLOCKED WITH AREA LIGHTING.
10	SECURE EXISTING GROUND CABLE, ENSURE CABLE DOES NOT CONTACT DISSIMILAR METALS.
11	ORGANIZE, RE-ROUTE AND REPAIR ALL EXISTING CABLING ON AND AROUND EXISTING COLUMN. INVESTIGATE AND REMOVE ALL REDUNDANT EQUIPMENT AND WIRING IN THIS AREA.
12	CHIP OUT CONCRETE IN THIS AREA AND REPAIR EXISTING CONDUIT.
13	REPLACE ALL RECEPTACLES AND COVERPLATES ON THIS COLUMN.
14	REMOVE AND REPLACE ALL EXISTING LUMINAIRES IN THIS AREA WITH NEW TYPE A FIXTURES, MODEL: BEGHELLI BS10048T8232120VEB-PREM, C/W LAMPS: ALTO II F32T8/TL841. COORDINATE LOCATION TO BEST SUIT AREA AND NEW PIPING.
15	ADD A NEW TYPE A LUMINAIRE AT THIS LOCATION, CONNECT TO EXISTING CIRCUIT WITH CAPACITY.
16	PROVIDE MODIFICATIONS, INCLUDING NEW HARDWARE, BREAKERS, FILLER PLATES, ETC, TO EXISTING CDP 6SD-1. REFER TO THE SINGLE LINE DIAGRAM FOR FURTHER DETAILS.
17	LEVEL ALARM CONTROL PANEL. PROVIDE RELAYS, INDICATING LIGHTS AND SIGNAL SILENCE BUTTON AND RESET BUTTON IN A TYPE 4 HINGED, GASKETED ENCLOSURE. WIRE AND CONNECT EQUIPMENT TO PROVIDE THE FOLLOWING CONTROL SCHEME: 1.HIGH LEVEL ALARM ON THE LEVEL SENSOR SHALL TRIGGER A SIGNAL TO THE C.O.W MONITORING PANEL AND TO ACTIVATE THE LOCAL AUDIBLE/VISUAL UNIT NEAR THE FILTER TANK, TO INDICATE A HIGH WATER LEVEL IN THE FILTER TANK. AN INDICATING LIGHT ON THE CONTROL PANEL WILL INDICATE "HIGH LEVEL ALARM" 2.THE LOW LEVEL ALARM WILL ACTIVATE THE LOCAL AUDIBLE/VISUAL UNIT AND SHUT DOWN P-1 AND P-2. AN INDICATING LIGHT ON THE CONTROL PANEL WILL INDICATE "LOW LEVEL ALARM" 3. THE SIGNAL SILENCE WILL TEMPORARILY SILENCE THE ALARM UNIT, BUT THE VISUAL SIGNAL WILL CONTINUE TO OPERATE. THE RESET BUTTON WILL CLEAR ALL ALARM OPERATION AND RETURN THE PANEL BACK TO A NORMAL STATE AFTER THE WATER LEVEL SENSOR INDICATES A NORMAL OPERATING LEVEL.
18	PROVIDE POWER FOR THE LEVEL CONTROL PANEL AND RELATED EQUIPMENT FROM A DEDICATED BREAKER IN PANEL K. WIRE AND CONNECT ALL APPARATUS WITH #14 TECK 90 CABLE.



2	Issued for Addendum	KO 12.04.16
1	Issued for Construction	KO 12.04.05

NO.	REVISION/DESCRIPTION	BY	DATE
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DRAWN BY	KO/LO	CHECKED BY	APPROVED
DATE	2012.04.05	USER APPROVAL	

Winnipeg CITY OF WINNIPEG
 PLANNING, PROPERTY AND
 DEVELOPMENT DEPARTMENT
 CIVIC ACCOMMODATIONS DIVISION
 300 - 65 GARRY ST. R3C 4K4

PROJECT
 ELMWOOD KILDONAN POOL
 ULTRAVIOLET SYSTEM & PUMP UPGRADES
 909 CONCORDIA AVE.

SHEET TITLE
 ELECTRICAL
 RENOVATION_PLAN

SCALE	PROJECT NO.	SHEET NO.
1/8"=1'-0"	118-2012	E-2