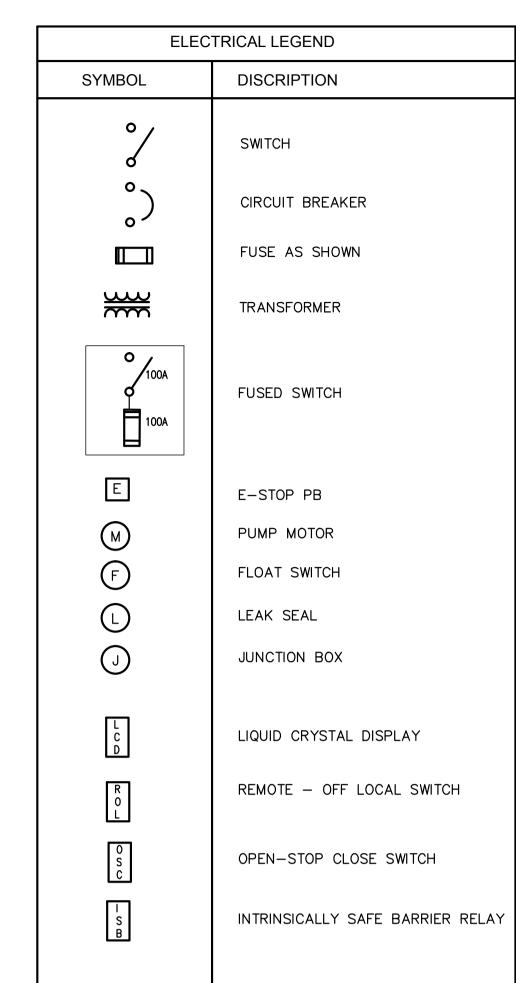
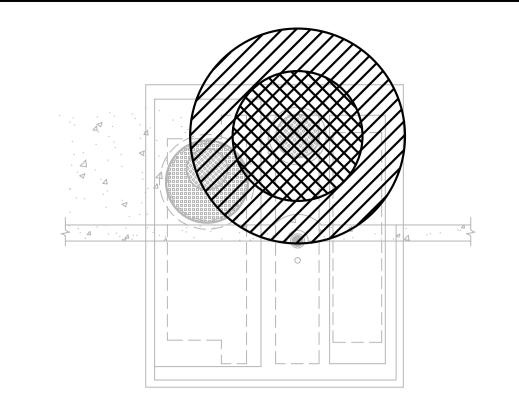


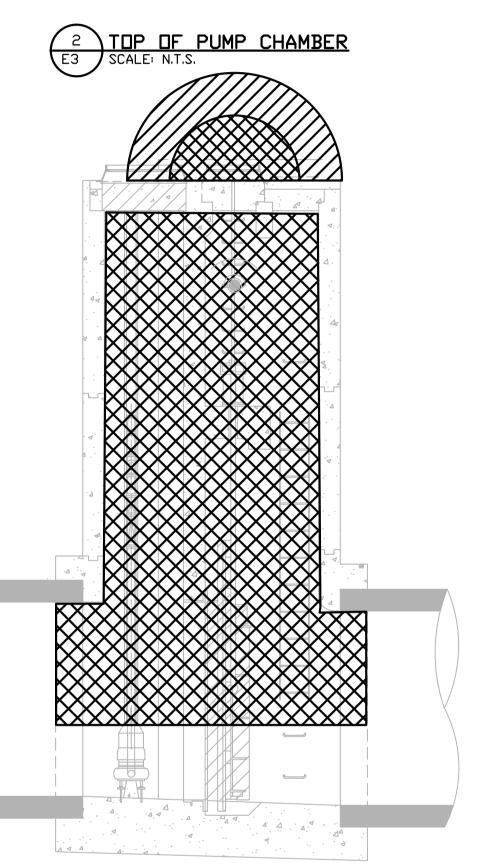


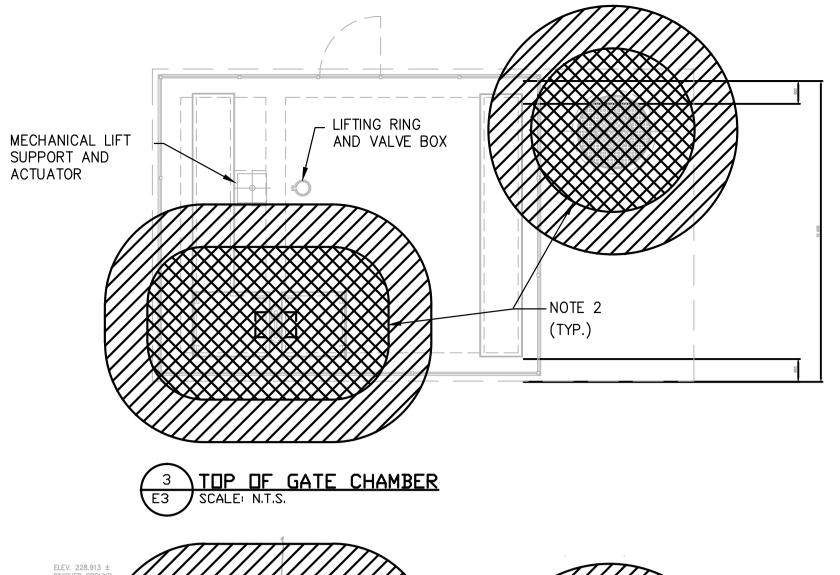
			PANEL "	AA " S	CHED	ULE				
	WIRE	LOAD	BKR	ССТ		ССТ	BKR	LOAD	WIRE	
LOAD DESCR.	AWG	Watt	SIZE	NO	PH	NO	SIZE	Watt	AWG	LOAD DESCR.
SLUICE GATE ACTUATOR	#10+G	4303	30A	1	Α	2	15A /	500	#10+G	TRANSFORMER TX-A
5.4HP, 12.4A		4303		3	В	4		500		7.5kVA
GATE CHAMBER		4303	3p	5	С	6	/2p			P&C PANEL
SUBMERSIBLE PUMP	#10+G	3123	30A /	7	Α	8	30A /	1	#10+G	SPD
7.5HP		3123		9	В	10				
PUMP CHAMBER		3123	<b>3</b> p	11	С	12	<b>3</b> p			
SPARE			15A /	13	Α	14	15A /			SPARE
				15	В	16				
			<b>/</b> 3p	17	С	18	<b>3</b> p			
DESIGNATION	'AA'								60	MAIN BKR
VOLT	347/600								200	MAINS
PHASE	3							23.9	23.0	Connected Load in kW, A
WIRE	4							19.1	18.4	Demand Load in kW, A
I.C (kA)	25							P&C PA	NEL	LOCATION
NOTES: Panel to be CSA 1									surface	MOUNTING
NOTES: Fed from 200A CSTE										NOTES: service entrance type panel

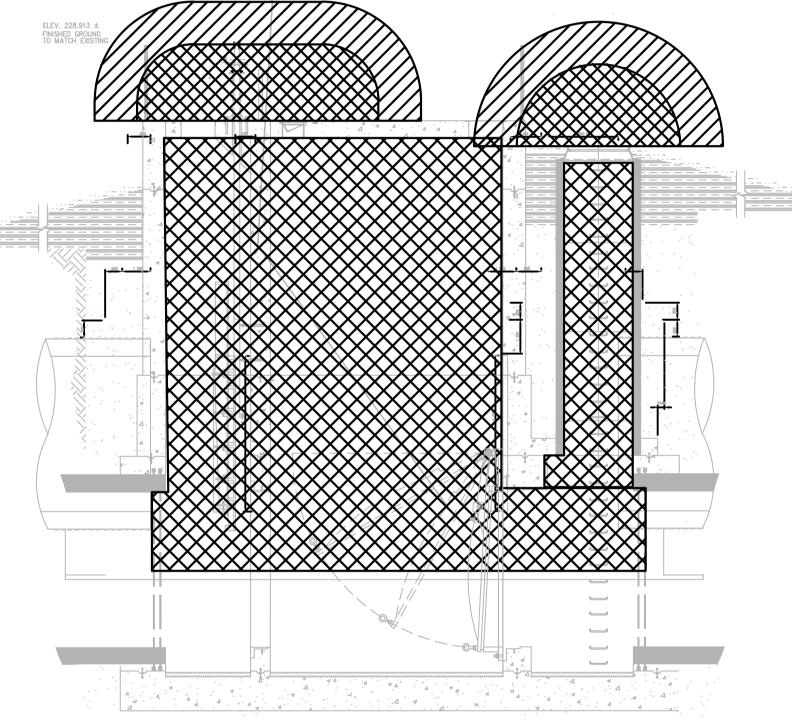
PANEL "A " SCHEDULE										
	WIRE	LOAD	BKR	CCT		ССТ	BKR	LOAD	WIRE	
LOAD DESCR.	AWG	Watt	SIZE	NO	PH	NO	SIZE	Watt	AWG	LOAD DESCR.
LTG - PUMP CHAMBER	#12+G	77	15	1	Α	2	15	500	#12+G	UPS - P&C PANEL
LTG - GATE CHAMBER	#12+G	77	15	3	В	4	15	500	#12+G	RTU PLC INPUT/ OUTPUT
LTG - P&C PANEL	#12+G	35	15	5	С	6	15			SPARE
LTG - BUILDING EXTERIOR	#12+G	231	15	7	Α	8	30A /		#10+G	SPD
LTG - POLE EXTERIOR	#12+G	825	15	9	В	10				
SPARE			15	11	С	12	/3p			
								•		G - GFCI BREAKER
DESIGNATION	'A'								60	MAIN BKR
VOLT	120/240								100	MAINS
PHASE	1							3.0	8.5	Connected Load in kW, A
WIRE	3							2.4	6.8	Demand Load in kW, A
I.C (kA)	10							P&C PANEL		LOCATION
NOTES: Panel to be CSA 1								s	rface	MOUNTING
NOTES: Fed from Panel AA via Tx. A										NOTES:



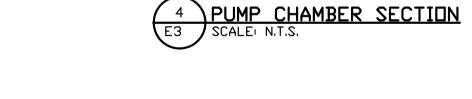








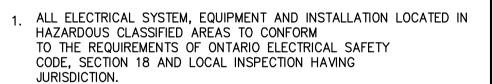
5 GATE CHAMBER SECTION
E3 SCALE: N.T.S.



NON-HAZARDOUS

**LAYOUTS** 

No. REVISIONS



2. 1.5m BEYOND EVERY OPENING SHALL BE CONSIDERED CLASSIFIED SAME AS IN THE SANITARY MANHOLE.

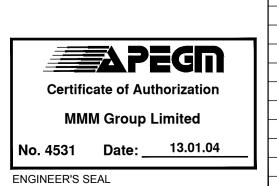
3. 1.5m BEYOND THE BALLOON AROUND THE OPENING SHALL BE CONSIDERED CLASSIFIED TO NEXT STEP BELOW IN THE HAZARDOUS CLASSIFICATION CHART.

HAZARDOUS AREA CLASSIFICATION:

CLASS 1, ZONE (DIVISION) 1, GROUP D.

CLASS 1, ZONE (DIVISION) 2, GROUP D.

3. THE AREA CLASSIFICATION OF NEW MANHOLES NEAR PUMP AND ACTUATOR CHAMBERS SHALL BE SAME AS THE 2 CHAMBERS SHOWN HERE.



				MMM	GROUP	Suite 111 - 9	M Group Limited 3 Lombard Ave. eg, MB R3B 3B1 f. 204.943.4948 www.mmm.ca	Pinau O
				DESIGNED BY	M.P.	CHECKED BY	D.C.	K. HUS
				DRAWN BY	R.D.	APPROVED BY	K.H.	36: 36: 36: 36: 36: 36: 36: 36: 36: 36:
				HOR. SCALE	AS NOTED	RELEASED FOR		2800000
	ISSUED FOR TENDER	13 11 12	DC	VERT. SCALE		CONSTRUCTION		
	ISSUED FOR CLIENT REVIEW	13 11 04	DC	VERT. SOALL	AS NOTED			BID OPPORTUN
).	REVISIONS	DATE	BY	DATE	13.10.16	DATE	13.10.16	PLOT DATE:



	Winnipeg	THE CITY OF WINNIPE WASTE AND WATER DEPARTMENT	
ı			CONSL

OUTFALL GATE CHAMBER UPGRADES McDERMOT SRS OUTFALL GATE CHAMBER

DETAILS AND AREA CLASSIFICATION

CONSULTANT DRAWING No.:						
E3						
SHEET	0	F				
	12	22				
CITY DR	AWING No.:					
	LD-725	57				