

18.4 Demand Load in kW, A

NOTES: service entrance type panel

LOAD DESCR.

LOCATION

#12+G UPS - P&C PANEL

SPARE

MAIN BKR

LOCATION

MOUNTING

NOTES:

#10+G | TVSS (SPD)

#12+G RTU PLC INPUT/ OUTPUT

G - GFCI BREAKER

Connected Load in kW, A

Demand Load in kW, A

surface MOUNTING

P&C PANEL

P&C PANEL

WIRE LOAD BKR CCT CCT BKR LOAD WIRE

Watt SIZE NO PH NO SIZE Watt

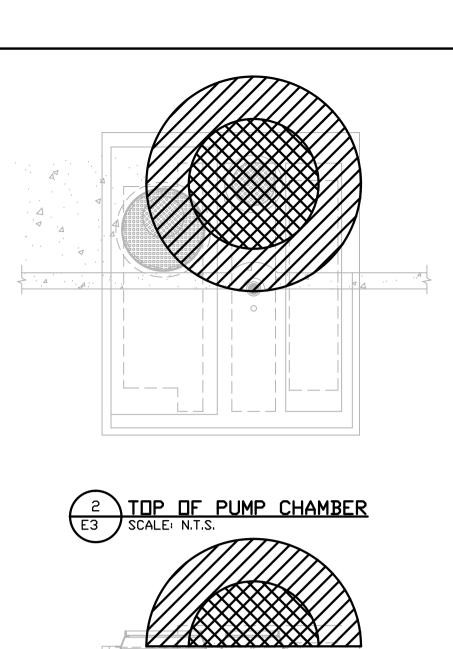
15 3 B 4 15

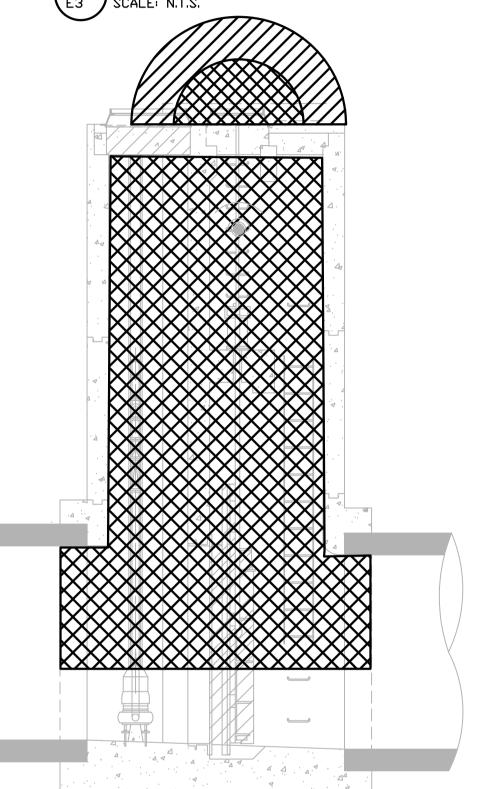
35 | 15 | 5 | A | 6 | 15

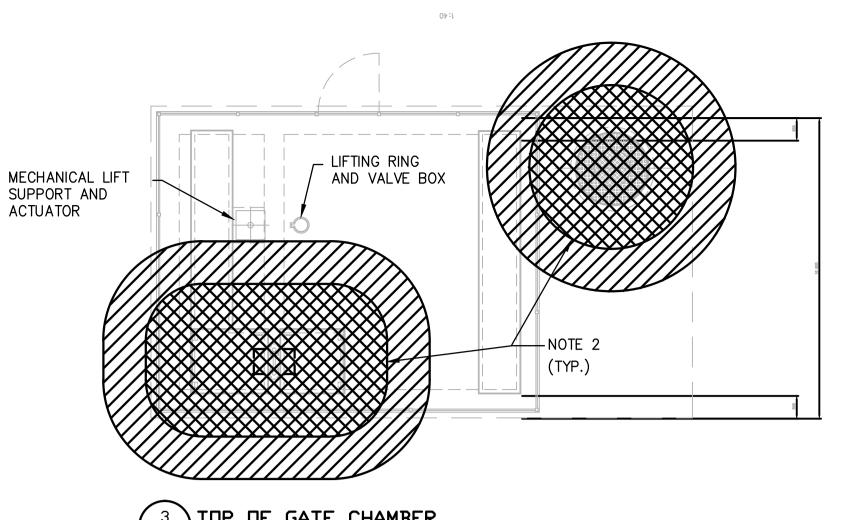
| 15 | 11 | B | 12 | \(2P \)

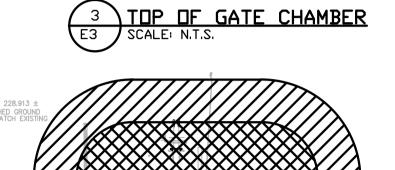
#12+G 231 15 7 B 8 15

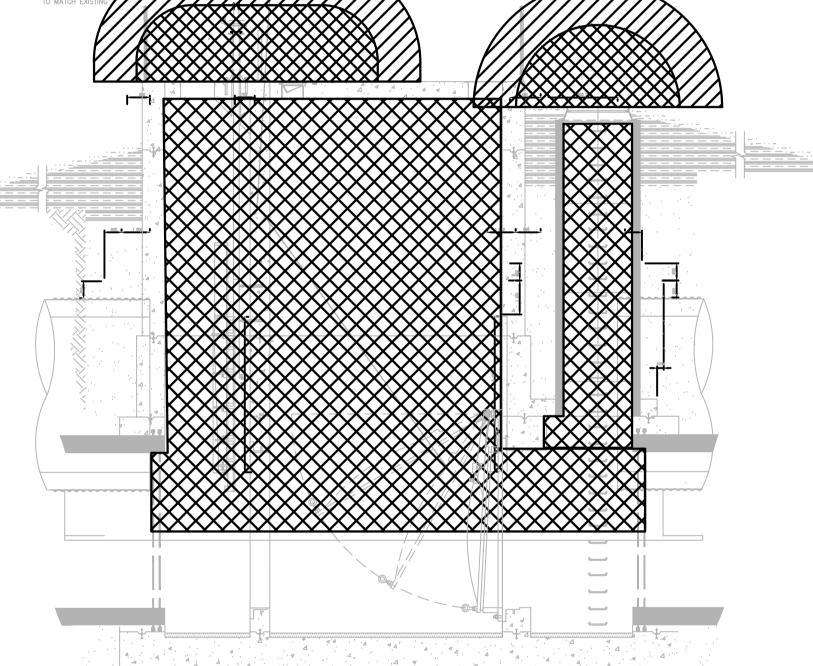
#12+G | 825 | 15 | 9 | A | 10 | ³⁰A



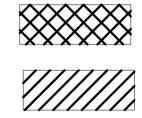








5 GATE CHAMBER SECTION
E3 SCALE: N.T.S.



No. REVISIONS

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

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

NON-HAZARDOUS

HAZARDOUS AREA CLASSIFICATION: LAYOUTS

- ALL ELECTRICAL SYSTEM, EQUIPMENT AND INSTALLATION LOCATED IN HAZARDOUS CLASSIFIED AREAS TO CONFORM TO THE REQUIREMENTS OF ONTARIO ELECTRICAL SAFETY CODE, SECTION 18 AND LOCAL INSPECTION HAVING
- 2. 1.5m BEYOND EVERY OPENING SHALL BE CONSIDERED CLASSIFIED SAME AS IN THE SANITARY MANHOLE.

JURISDICTION.

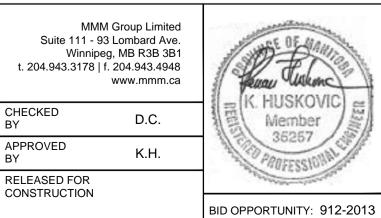
- 3. 1.5m BEYOND THE BALLOON AROUND THE OPENING SHALL BE CONSIDERED CLASSIFIED TO NEXT STEP BELOW IN THE HAZARDOUS CLASSIFICATION CHART.
- 3. THE AREA CLASSIFICATION OF NEW MANHOLES NEAR PUMP AND ACTUATOR CHAMBERS SHALL BE SAME AS THE 2 CHAMBERS SHOWN HERE.

Certificate of Authorization MMM Group Limited No. 4531 Date: 13.01.04 ENGINEER'S SEAL

				MMM	GROUP
				DESIGNED BY	M.P.
				DRAWN BY	R.D.
С	ISSUED FOR ADDENDUM #1	13 11 22	DC	HOR. SCALE	AS NOTED
В	ISSUED FOR TENDER	13 11 12	DC	VERT. SCALE	
Α	ISSUED FOR CLIENT REVIEW	13 11 04	DC	VERTI OOALL	AS NOTED

DATE BY DATE

13.10.16



PLOT DATE:

13.10.16

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PER		USK(Nemb	and the second second	NEER
2000		36257		

Winnipeg

OUTFALL GATE CHAMBER UPGRADES	
McDERMOT	
SRS OUTFALL GATE CHAMBEI	R

ELECTRICAL SINGLE LINE DIAGRAM, PANEL SCHEDULE, DETAILS AND AREA CLASSIFICATION

THE CITY OF WINNIPEG

WASTE AND WATER DEPARTMENT

ONSULTANT DRAWING No.:				
E3				
HEET)F	7	
	12	22		
ITY DRAWING No.:				
LD-7257				

PHASE

I.C (kA)

NOTES: Panel to be CSA 1

NOTES: Fed from 200A CSTE

LTG - PUMP CHAMBER

LTG - GATE CHAMBER

LTG - POLE EXTERIOR

LTG - BUILDING EXTERIOR

LTG - P&C PANEL

DESIGNATION

PHASE

LOAD DESCR.

WIRE

I.C (kA) NOTES: Panel to be CSA 1 NOTES: Fed from Panel AA via Tx. A

120/240