1 — LAMACOID DETAIL
SCALE: 1:1

VALVE TAGS
SCALE: N.T.S.

2 — DETAIL
SCALE: N.T.S.

CONSTRUCTION NOTES:

(A) CORE THROUGH CONCRETE WALL, PROVIDE 50mm SCH. 80 PVC PIPE AND LINK SEAL.

(B) CONNECT ø12mm FLUSHING WATER PIPE FROM NEW WATER SUPPLY ALONG WALL.

(C) SUPPORT SIGHT GLASS PIPE AS REQUIRED WITHOUT IMPENDING VISIBILITY OF LEVEL IN PIPE.

(D) PROVIDE ø12mm SCH. 40 PVC PIPING, (VENT PIPING). VENT BOTH SIGHT GLASS ASSEMBLIES TOGETHER. FASTEN PIPING TO WALL AT NOT MORE THAN 1.0 METER.

(E) CORE AND SLEEVE 150mm HOLE THROUGH CONCRETE FLOOR. RUN VENT PIPING AGAINST WALL AND IN SUCH A MANNER THAT IS DOES NOT CAUSE OBSTRUCTION.

(F) FASTEN PIPING TO WALL AT NON THAN 1.0 METER INTERVALS. VENT OUTSIDE THROUGH ROOF.

GENERAL NOTES:

1. PERFORM WORK IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS.
2. EQUIPMENT LOCATIONS AND PIPE ROUTING THE DRAWINGS IS APPROXIMATE ONLY. CONFIRM ALL LOCATIONS IN THE FIELD. LISTED DIMENSIONS ARE APPROXIMATE AND ARE ONLY INTENDED FOR BIDDING PURPOSES. THE CONTRACTOR IS RESPONSIBLE TO VERIFY ALL DIMENSIONS AND ROUTING IN THE FIELD FOR ORDERING EQUIPMENT AND COMMENCING INSTALLATION WITHOUT EXTRA CHARGES TO THE PROJECT.
3. ALL EQUIPMENT SHOWN ON THIS DRAWING IS NEW AND IS TO BE PROVIDED BY THE CONTRACTOR UNLESS OTHERWISE INDICATED AS EXISTING.
4. THIS DIMENSION VARIES FOR EACH PUMP DEPENDING ON THE LOCALIZED FLOOR SLOPE. SET ALL PUMP INTAKES AT THE SAME ELEVATION.

KEYNOTES:

(1) PROVIDE SHAFT MACHINE GUARDS (TYPICAL 3 EACH) IN ACCORDANCE WITH CSA Z432, SAFE GUARDING OF MACHINERY. GUARD PAINT FINISH SHALL BE SAFETY YELLOW.

(2) PROVIDE GUARD AROUND LEVEL GAUGE FOR PROTECTION. MINIMUM GUARD HEIGHT 300MM.

A / REF.1 — LIFT PUMP – SECTION
SCALE: 1:10

B / REF.1 — LEVEL GAUGE LG-L100-2 – SECTION
SCALE: 1:15
NOTE: SIMILAR SETUP FOR LEVEL GAUGE LG-L100-1

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

200 0 200 400 600 800
SCALE: 1:10mm

100 0 100 300 500 700
SCALE: 1:15mm

NO.	DRAWING NUMBER	REFERENCE DRAWING TITLE
10		
9		
8		
7		
6		
5		
4		
3		
2	1-0162L-M0006-001	NEW PROCESS PIPING – SECTION
1	1-0162L-M0005-001	NEW PROCESS PIPING – PLANS

REFERENCE DRAWINGS

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
KGS Group
No. 245

B.M.
ELEV.

NO.	REVISIONS	DATE (YY/MM/DD)	BY
0	ISSUED FOR CONSTRUCTION	2023 03 24	

KGS GROUP

DESIGNED BY	K. RADTKE	CHECKED BY	
DRAWN BY	D. SESE	APPROVED BY	
SCALE: HORIZONTAL	AS SHOWN	RELEASED FOR CONSTRUCTION	
VERTICAL			
DATE	2022 11 21	DATE	

PLOT DATE: 2023 03 22

ENGINEER'S SEAL
PROVINCE OF MANITOBA
J.V. SMITH
2023-03-22
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NUMBER
22-0107-004_M12

BID OPPORTUNITY: 864-2022

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

METCALFE LIFT PUMPING STATION
2022 UPGRADES
MECHANICAL
NEW PROCESS PIPING
SECTIONS AND DETAILS

CITY DRAWING NUMBER 1-0162L-M0012-001
SHEET 83 OF 109

FILE PATH: P:\Projects\2022\22-0107-004\Dwg\Mech\
FILE NAME: 1-0162L-M0012-001.dwg