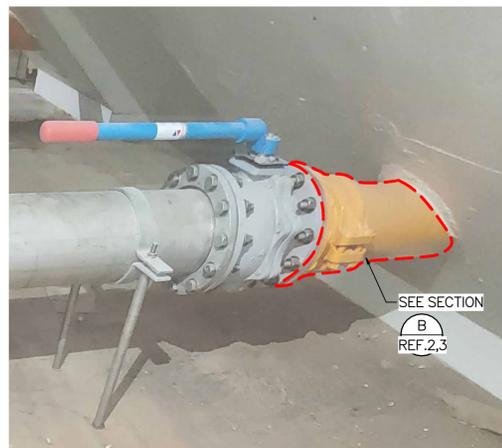


1 INSTRUMENTS FOR SALVAGE
SCALE: NOT TO SCALE



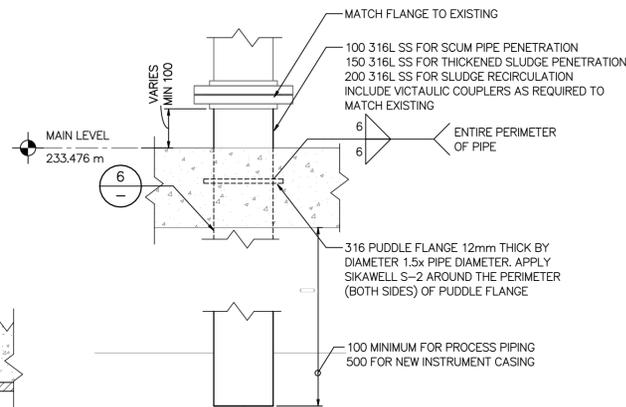
2 SLUDGE AND SCUM PIPING
SCALE: NOT TO SCALE



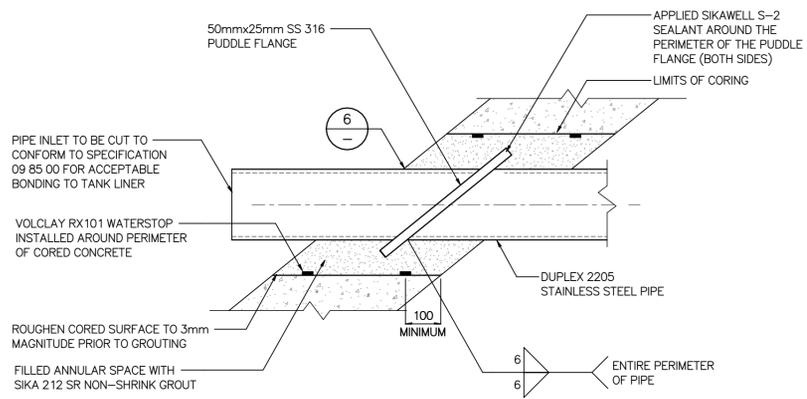
3 TYPICAL FLANGED BALL VALVE
SCALE: NOT TO SCALE



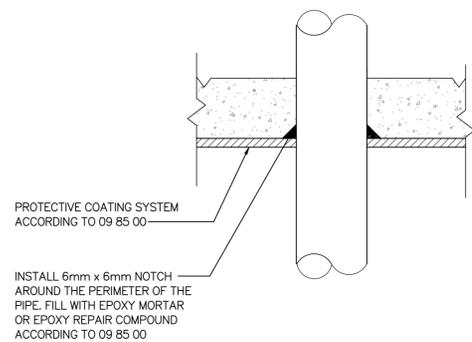
4 100mm SLUDGE PIPE
SCALE: NOT TO SCALE



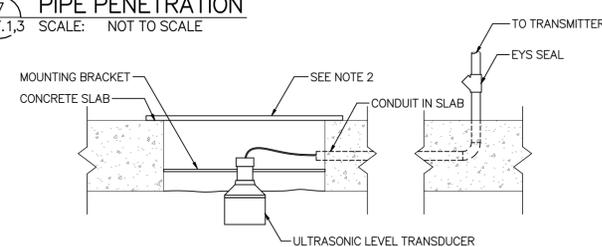
7 PIPE PENETRATION
SCALE: NOT TO SCALE



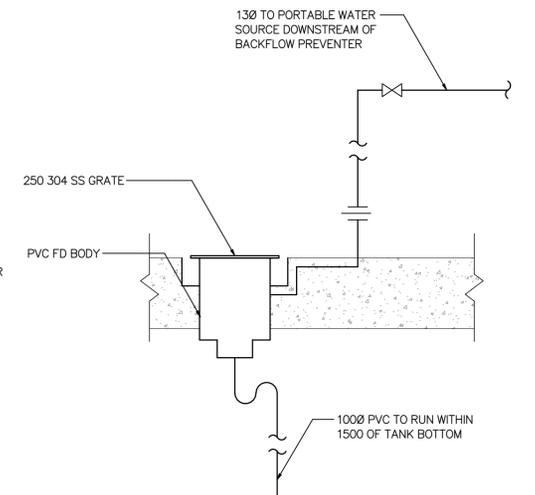
5 SUCTION PIPING PENETRATION DETAIL
SCALE: NOT TO SCALE



6 TYPICAL PROTECTIVE COATING SYSTEM TERMINATION AT PIPE PENETRATION
SCALE: NOT TO SCALE



8 ULTRASONIC TRANSDUCER MOUNTING DETAIL
SCALE: NOT TO SCALE



9 GATE DRAIN SCHEMATIC
SCALE: NOT TO SCALE

NOTES:

1. ALL PIPE PENETRATIONS THROUGH NEW OR EXISTING CONCRETE TO BE PREPARED AND BONDED TO THE TANK LINER ACCORDING TO DETAIL 6 AND ACCORDING TO SPECIFICATION 09 85 00.
2. 6mm 304 SS GAS TIGHT CHECKERED 300x300 PLATE COMPLETE WITH SS 51x51x6.4 ANGLE FRAME EMBEDDED IN CONCRETE. BOLT LID TO FRAME WITH FOUR 6.4 SS COUNTERSUNK SCREWS. SEAL PLATE TO FRAME WITH SILICONE. TYPICAL OF 3.

M:\N-Draw\04\00 City of Winnipeg\010 - WSWPCC Sewer Sludge Holding Tank Rehabilitation\AutoDesk\Revit\0400-10-00_South Bldg_Proc_V24.rvt

9		
8		
7		
6		
5		
4	1-0102-SGAD-0009	STRUCTURAL-NEW WORK-PLANS
3	1-0102-PGAD-0015	PROCESS - NEW WORK - PLAN, SECTION AND DETAIL
2	1-0102-PGAD-0052	PROCESS - DEMOLITION - PLAN AND SECTIONS
1	1-0102-MGAD-0605	MECHANICAL - NEW WORK - VENTILATION - PLAN AND SECTIONS
NO.	DRAWING NUMBER	REFERENCE DRAWINGS TITLE

ES ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
MPE Engineering Ltd.
No. 5643 Date: 2026-01-13

00	ISSUED FOR CONSTRUCTION, TENDER NUMBER: 7-2026	2026-01-13	BRB	BRB
NO.	REVISIONS	DATE	DESIGN	CHECK

MPE
a division of Englobe

DESIGNED BY: B. BAKER
CHECKED BY: B. BAKER

DRAWN BY: J. BALVERDE
APPROVED BY: B. BAKER

SCALE: NOT TO SCALE
RELEASED FOR CONSTRUCTION BY: B. BAKER

DATE: 2026-01-13

CONSULTANT NO.: 8400-010-00

ENGINEER'S SEAL

PROVINCE OF MANITOBA
B. BAKER
REGISTERED PROFESSIONAL ENGINEER
46231
2026-01-13

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

SOUTH END SEWAGE TREATMENT PLANT (SEWPPC)
SEWPPC SLUDGE HOLDING TANKS REFURBISHMENT
AREA D - FERMENTERS/SLUDGE THICKENERS
PROCESS DETAILS

CITY DRAWING NUMBER: 1-0102-PDTL-D001
SHEET: 00
REV: 00
SIZE: A1