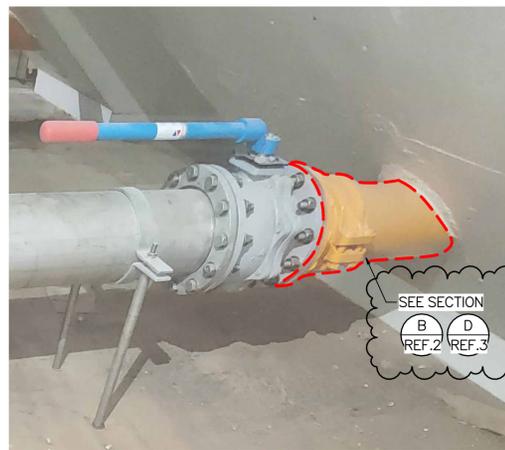


1 INSTRUMENTS FOR SALVAGE  
SCALE: NOT TO SCALE



2 SLUDGE AND SCUM PIPING  
SCALE: NOT TO SCALE

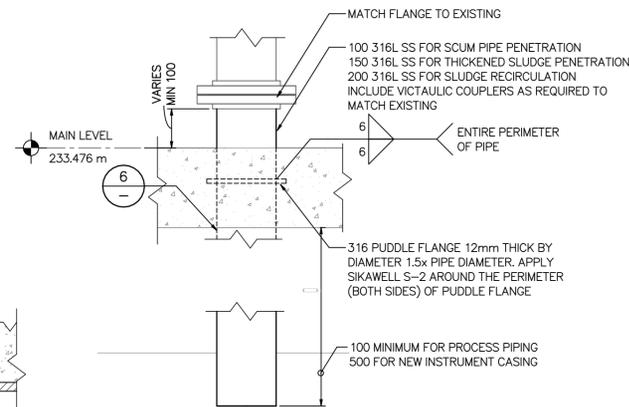
- NOTES:**
1. ALL PIPE PENETRATIONS THROUGH NEW OR EXISTING CONCRETE TO BE PREPARED AND BONDED TO THE TANK LINER ACCORDING TO DETAIL 6 AND ACCORDING TO SPECIFICATION 09.85.00.
  2. COVER LEVEL TRANSDUCER PENETRATION WITH 6mm 304 SS GAS TIGHT CHECKERED 300x300 PLATE COMPLETE WITH SS 51x51x6.4 ANGLE FRAME EMBEDDED IN CONCRETE. BOLT LID TO FRAME WITH FOUR 6.4 SS COUNTERSUNK SCREWS. SEAL PLATE TO FRAME WITH SILICONE. TYPICAL OF 3.



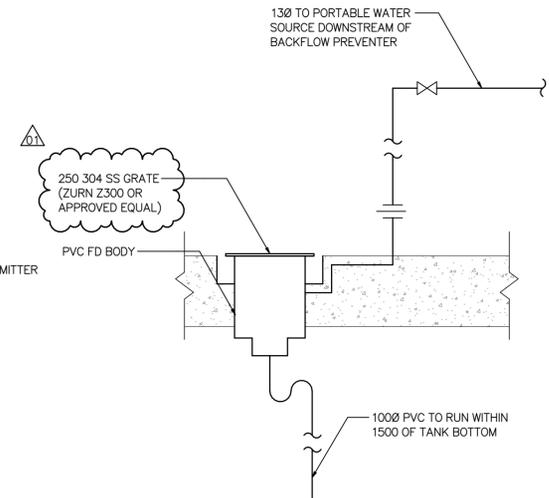
3 TYPICAL FLANGED BALL VALVE  
SCALE: NOT TO SCALE



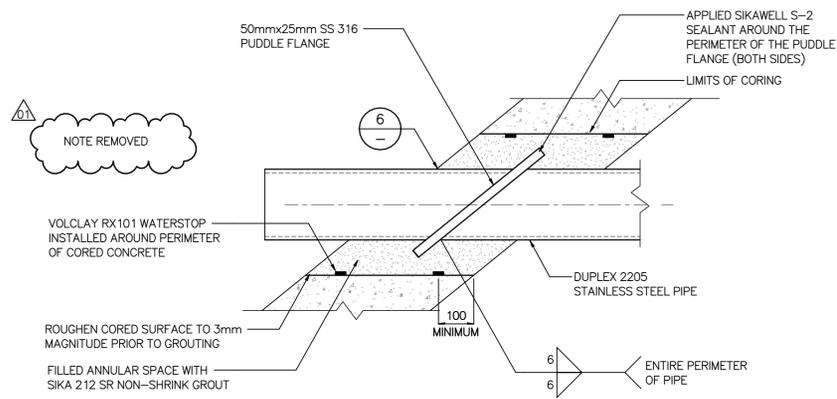
4 100mm SLUDGE PIPE  
SCALE: NOT TO SCALE



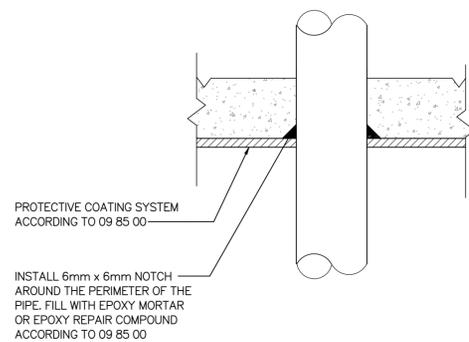
7 PIPE PENETRATION  
SCALE: NOT TO SCALE



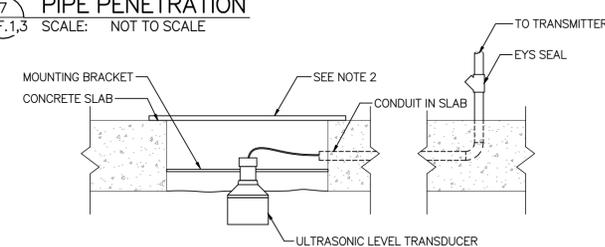
9 GATE DRAIN SCHEMATIC  
SCALE: NOT TO SCALE



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

\\EgnyteDrive\MPE Drive\N-Dat\04\00 City of Winnipeg\010 - MPE\PC-SDM\PC Sludge Holding Tank Rehabilitation\AutoDesk\Revit\8400-10-00\_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

**ENGINEERS GEOSCIENTISTS MANITOBA**  
Certificate of Authorization  
MPE Engineering Ltd.  
No. 5643 Date: 2026-02-19

01	REVISED FOR CONSTRUCTION	2026-02-19	BRB	BRB
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  
2026-02-19

**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: 01  
REV: 01  
SIZE: A1