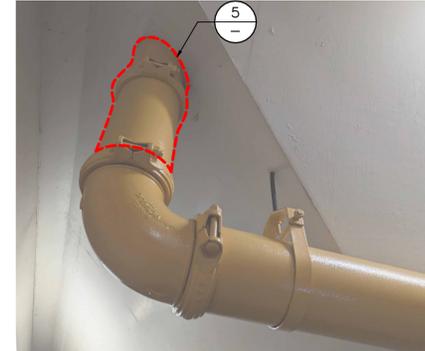


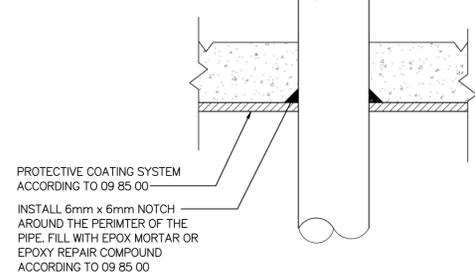
1 SLUDGE PIPE
SCALE: NOT TO SCALE



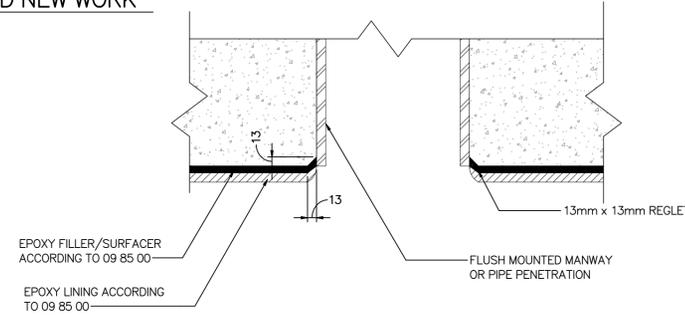
2 SLUDGE PIPE TO NEAREST COUPLER
SCALE: NOT TO SCALE

- NOTES:**
1. ALL ITEMS SHOWN BOLD DASHED LINES INDICATE ITEMS TO BE DEMOLISHED. SOLID AND GREY LINES INDICATE EXISTING TO REMAIN.
 2. REMOVE AND DISPOSE ALL DEMOLISHED MATERIAL AT APPROVED DISPOSAL SITE.
 3. NEW PERFORATED STEEL BUCKET DIMENSIONS TO MATCH EXISTING TO SUIT SAME PURPOSE.
 4. SUPPORT NEW SS PIPE USING CLEVIS HANGERS AT 2m SPACING MAXIMUM.
 5. COORDINATE WITH PLANT STAFF TO OPERATE VALVES AND TAKE PIPEWORK AND TAKES OUT OF SERVICE AS NEEDED TO PERFORM THIS WORK.
 6. ORANGE PVC PIPE PENETRATIONS TO BE DISCONNECTED FROM PIPING ABOVE AND USED FOR TEMPORARY VENTILATION CONNECTIONS DURING CONSTRUCTION. PIPE PENETRATION TO BE CUT AND USED AS SLEEVES FOR INSERTION OF NEW LEVEL SWITCHES C/W LINK SEAL.
 7. 150mm INTERCONNECTION PIPING BETWEEN TANKS TO BE RE-CORED TO 200mmØ AND THE EDGE OF THE HOLES TO BE GROUND TO 13mm CHAMFER. ENSURE THAT CONCRETE AND CORING DEBRIS DO NOT FALL INTO SLUDGE TANKS AS THEY MAY DAMAGE TRANSFER PUMPS. TANK ADJACENT TO OFFLINE TANK MAY BE TEMPORARILY EMPTIED TO PERMIT CORING. COORDINATE OPERATION WITH STAFF. ONCE OPERATION IS DONE, PLUG HOLE WITH LINK SEAL TO PERMIT THE APPLICATION OF LINER IN THE CORED HOLE AND LINERS APPLIED FROM EACH SIDE MAY OVERLAP.

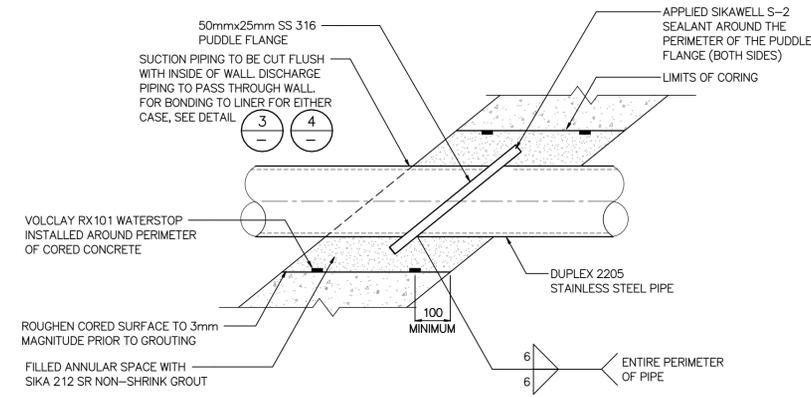
D SECTION - DEMOLITION AND NEW WORK
SCALE: 1:50



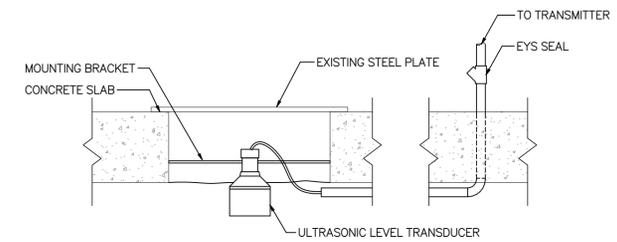
3 TYPICAL LINING TERMINATION AT PIPE PENETRATION
SCALE: NOT TO SCALE



4 TYPICAL LINING TERMINATION DETAIL AT FLUSH MOUNTED PIPE, DUCT OR MANWAY PENETRATION
SCALE: 1:5



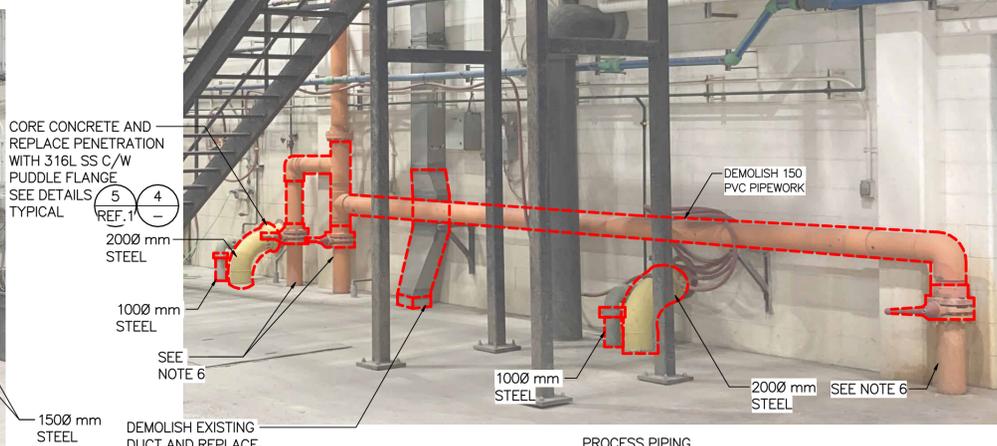
5 ANGLED SLUDGE TANK WALL PIPING PENETRATION DETAIL
SCALE: 1:10



8 ULTRASONIC TRANSDUCER MOUNTING DETAIL
SCALE: 1:10



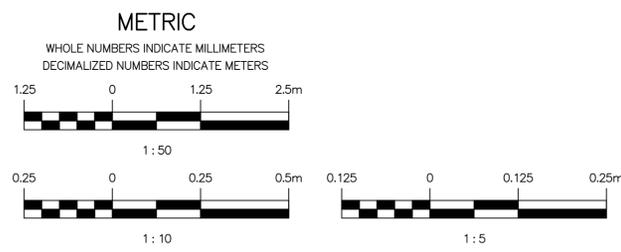
6 WEST WALL
SCALE: NOT TO SCALE



7 EAST WALL
SCALE: NOT TO SCALE



9		
8		
7		
6		
5		
4		
3		
2		
1	1-0103-PGAD-H001	PROCESS - SLUDGE TRUCK BAY - DEMOLITION AND NEW WORK
NO.	DRAWING NUMBER	REFERENCE DRAWINGS TITLE



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
DRAWN BY: J. BALVERDE
SCALE: As indicated
DATE: 2026-01-13

CHECKED BY: B. BAKER
APPROVED BY: B. BAKER
RELEASED FOR CONSTRUCTION BY:
DATE:

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

WEST END SEWAGE TREATMENT PLANT (WEWPC)
WEWPC SLUDGE HOLDING TANK REFURBISHMENT
AREA H - HEADWORKS
PROCESS
SLUDGE TRUCK BAY AND SLUDGE HOLDING TANKS - SECTIONS AND DETAILS

CITY DRAWING NUMBER: 1-0103-PGAD-H002
SHEET: 00
REV: 00
SIZE: A1

M:\N-Datoc\84\00 City of Winnipeg\010 - WEWPC Sludge Holding Tank Refurbishment\AutoDesk\Revit\8400-10-00_West_Bldg_Mech_V24.rvt