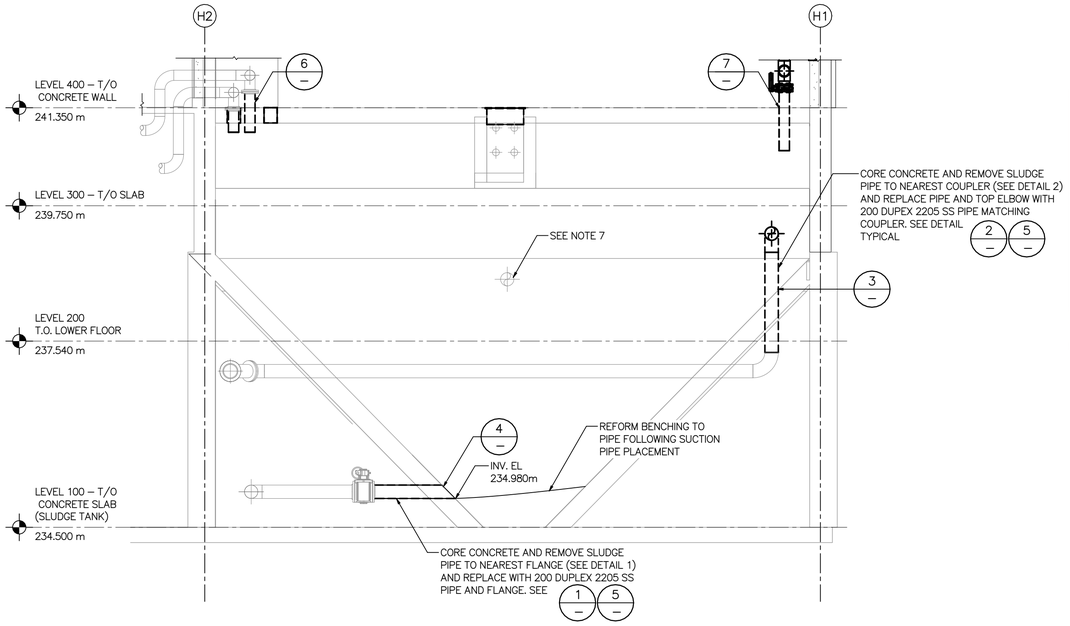
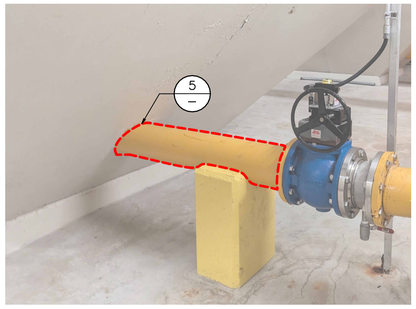
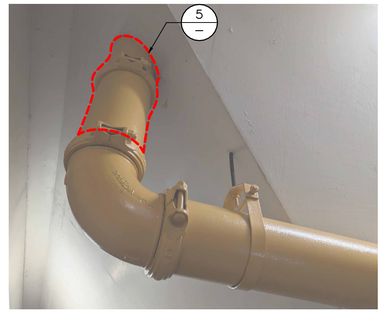


D REF.1 SECTION – DEMOLITION AND NEW WORK
SCALE: 1 : 50



1 SLUDGE PIPE
SCALE: NOT TO SCALE



2 SLUDGE PIPE TO NEAREST COUPLER
SCALE: NOT TO SCALE

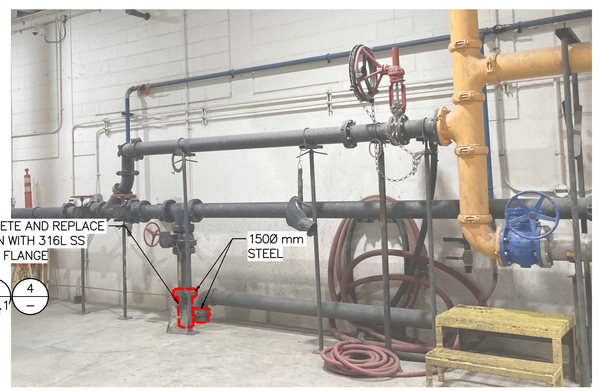
NOTES:

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 CORED AND DEMOLISHED AND CONCRETE INFILLED PRIOR TO APPLICATION OF LINER.
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.

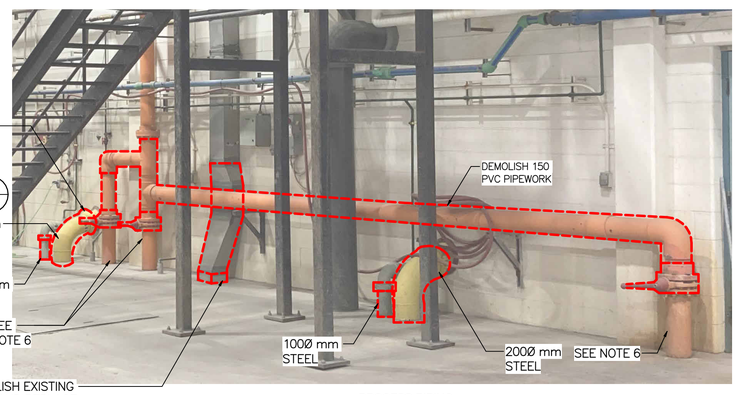
3 TYPICAL LINING TERMINATION AT PIPE PENETRATION
SCALE: NOT TO SCALE

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

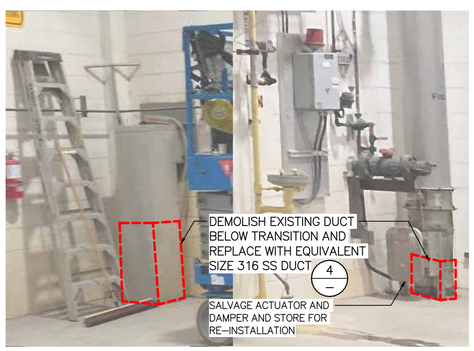
5 ANGLED SLUDGE TANK WALL PIPING PENETRATION DETAIL
SCALE: 1 : 10



6 REF.1 WEST WALL
SCALE: NOT TO SCALE



PROCESS PIPING



DUCTING

7 REF.1 EAST WALL
SCALE: NOT TO SCALE

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

METRIC
WHOLE NUMBERS INDICATE MILLIMETERS
DECIMALIZED NUMBERS INDICATE METERS

1.25 0 1.25 2.5m
1 : 50

0.25 0 0.25 0.5m
1 : 10

0.125 0 0.125 0.25m
1 : 5

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
MPE Engineering Ltd.
No. 5643 Date: 2025–06–04

NO.	REVISIONS	DATE	DESIGN	CHECK
00	ISSUED FOR CONSTRUCTION, TENDER NUMBER: 387–2025	2025–06–04	BRB	BRB

MPE a division of Englobe

DESIGNED BY: B. BAKER	CHECKED BY: B. BAKER
DRAWN BY: J. BALVERDE	APPROVED BY: B. BAKER
SCALE: As indicated	RELEASED FOR CONSTRUCTION BY:
DATE: 2025–06–04	DATE:
CONSULTANT NO.: 8400–010–00	

ENGINEER'S SEAL
PROVINCE OF MANITOBA
B.R. BAKER
Member 46231
REGISTERED PROFESSIONAL ENGINEER
2025–06–04
REV 00

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

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

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1–0103–PGAD–H002		00	A1

M:\N–Data\84\00 City of Winnipeg\010 – WEWPCC SEWPCC Sludge Holding Tank Rehabilitation\AutoDesk\Revit\8400–10–00_West_ Bldg_Mech_V24.rvt