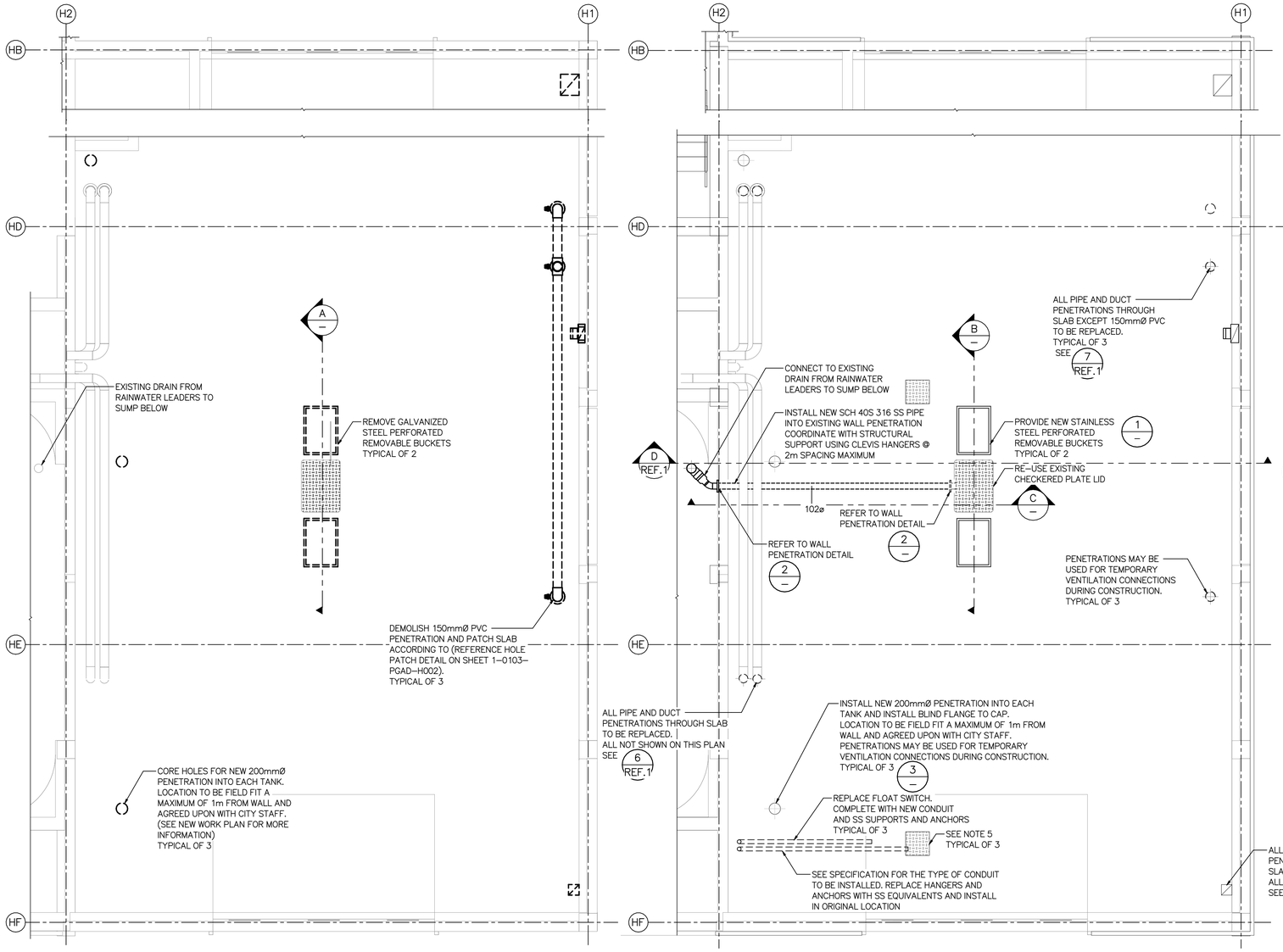
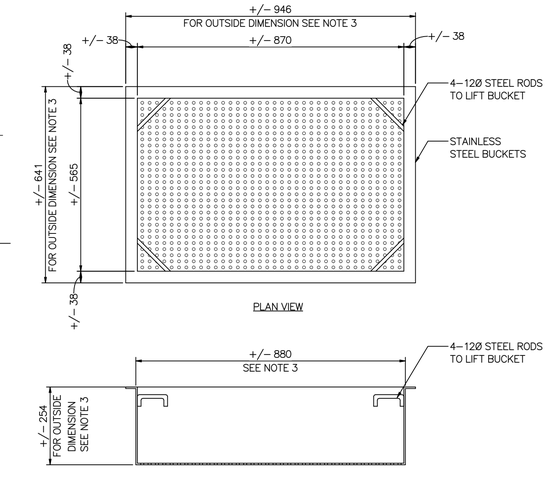


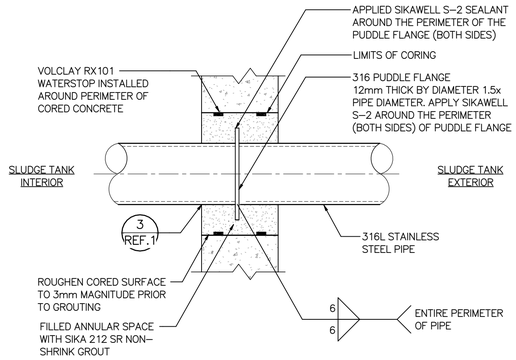
LEVEL 400 – SLUDGE TRUCK BAY – DEMOLITION PLAN (241.350m)
SCALE: 1 : 50

LEVEL 400 – SLUDGE TRUCK BAY – NEW WORK PLAN (241.350m)
SCALE: 1 : 50

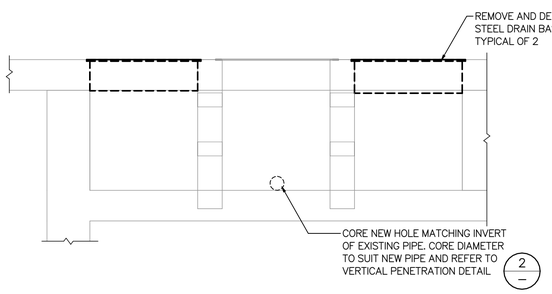


1 – REMOVABLE STAINLESS STEEL BUCKET DETAIL
SCALE: 1 : 10

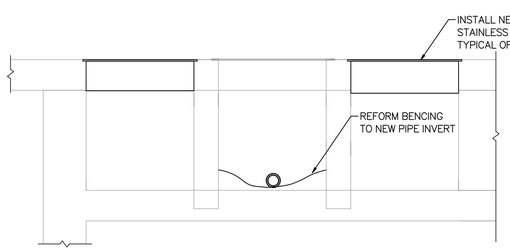
NOTES:
1. ALL ITEMS SHOWN BOLD DASHED LINES INDICATE ITEMS TO BE DEMOLISHED. SOLID AND GREY LINES INDICATE EXISTING TO REMAIN.
2. REMOVE AND DISPOSE ALL DEMOLISHED MATERIAL AT APPROVED DISPOSAL SITE.
3. NEW PERFORATED STEEL BUCKET DIMENSIONS TO MATCH EXISTING TO SUIT SAME PURPOSE.
4. SUPPORT NEW SS PIPE USING CLEVIS HANGERS AT 2m SPACING MAXIMUM.
5. FOR EACH TANK REMOVE, SALVAGE TO OWNER, INSTALL NEW INSTRUMENTATION AND CONDUIT UPON COMPLETION OF TANK REFURBISHMENT.
6. FOR HAZARDOUS AREAS DEFINITION, REFER TO TENDER 387–2025 SECTION E.
7. CONTRACTOR TO SALVAGE TO OWNER TO INSTALL NEW LEVEL TRANSMITTERS AS INDICATED IN CONTRACT DOCUMENTS. NEW INSTRUMENTS TO FUNCTION AS EXISTING. CONTRACTOR TO COMPLETE ALL WIRING AND CONDUIT BACK TO SOURCE. INCLUDE JUNCTION BOXED AND WIRING EQUIPMENT AS REQUIRED, SEAL ALL PENETRAIONS TO HAZARDOUS AREAS AND INCLUDE EYS CONDUIT SEALS WHERE CONDUIT LEAVES HAZARDOUS AREAAS TO PREVENT GAS MIGRATION. MOUNTING ELEVATION, SPANNING, AND SCALING TO MATCH EXISTING. TYPICAL OF 3.



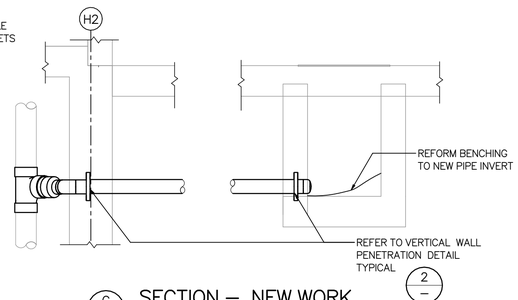
2 – TYPICAL VERTICAL WALL PENETRATION DETAIL
SCALE: 1 : 10



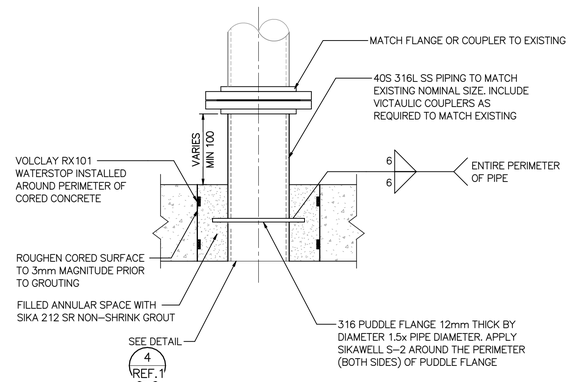
A – SECTION – DEMOLITION
SCALE: 1 : 25



B – SECTION – NEW WORK
SCALE: 1 : 25



C – SECTION – NEW WORK
SCALE: 1 : 25



3 – TYPICAL SLAB PIPE PENETRATION
SCALE: 1 : 10

NO.	DRAWING NUMBER	REFERENCE DRAWINGS TITLE
9		
8		
7		
6		
5		
4		
3		
2		
1	1–0103–PGAD–H002	PROCESS – SLUDGE TRUCK BAY AND SLUDGE HOLDING TANKS – SECTIONS AND DETAILS

METRIC
WHOLE NUMBERS INDICATE MILLIMETERS
DECIMALIZED NUMBERS INDICATE METERS

1.25 0 1.25 2.5m — 1 : 50
0.625 0 0.625 1.25m — 1 : 25
0.25 0 0.25 0.5m — 1 : 10

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 – DEMOLITION AND NEW WORK

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1–0103–PGAD–H001		00	A1

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