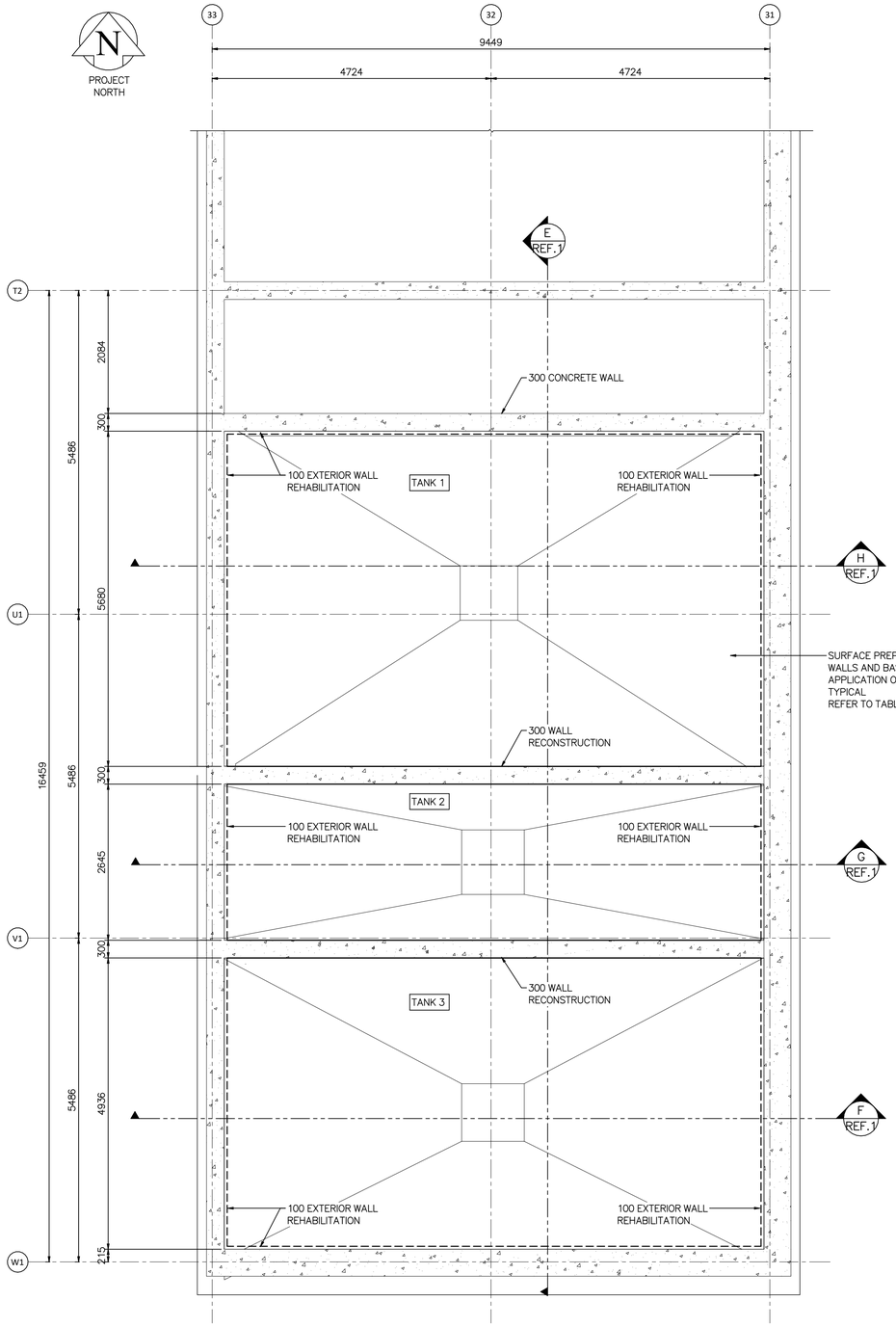
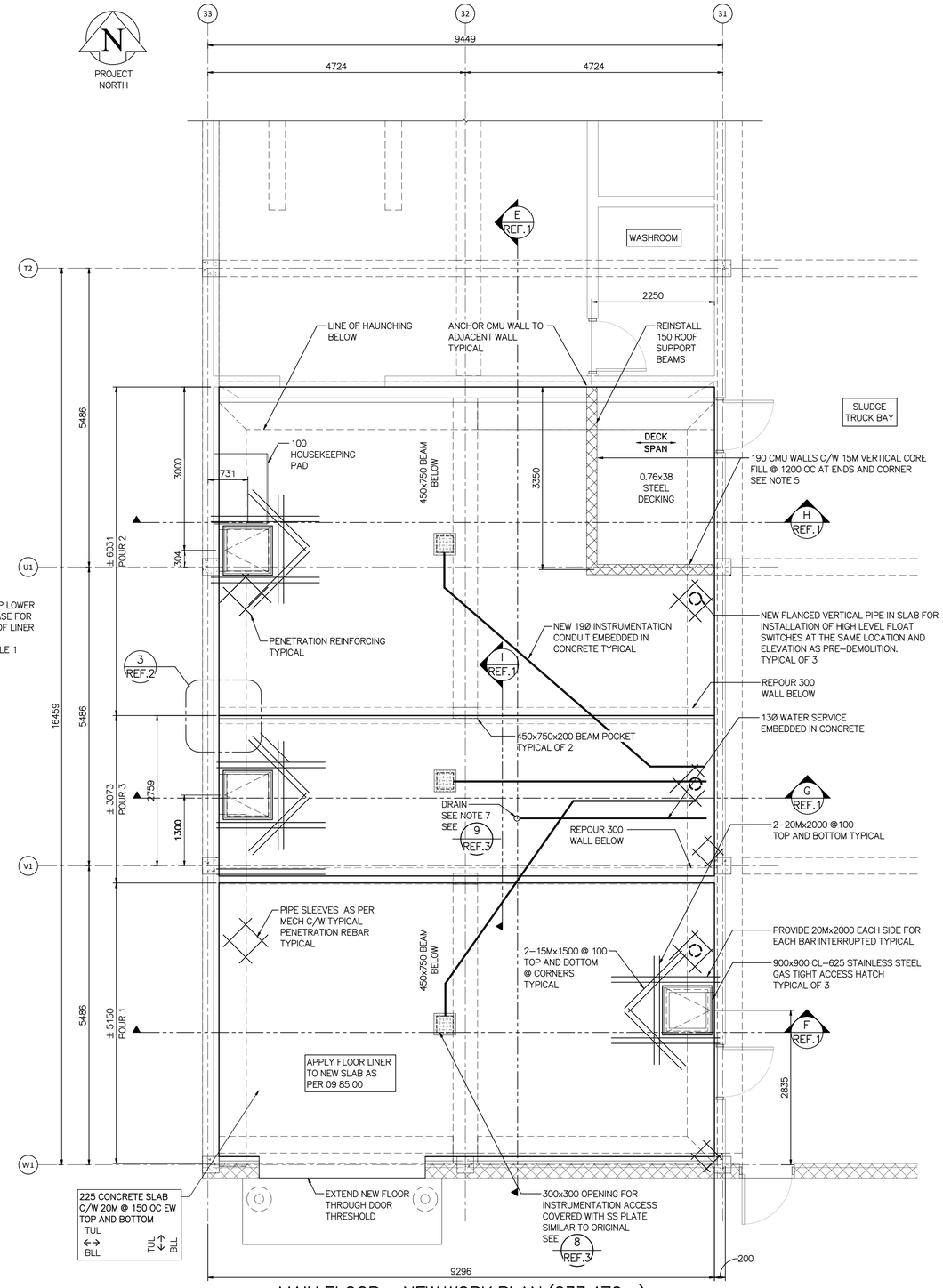


LOWER LEVEL TANK – NEW WORK PLAN (EL. 230.000m)

SCALE: 1 : 50



MAIN FLOOR – NEW WORK PLAN (233.476m)

SCALE: 1 : 50

NOTES:

1. SEE MECHANICAL FOR PIPE SLAB PENETRATION LOCATIONS.
2. PROVIDE BEAM POCKETS IN CMU WALL FOR BEAM SUPPORT.
3. REINSTALL BEAMS AS PER ORIGINAL. REPAIR DAMAGE TO WALL.
4. RE–INSTALL DOOR AND FRAME.
5. RECONSTRUCT ROOM TO ITS ORIGINAL SIZE AND LOCATION.
6. DRAIN TO BE INSTALLED IN TANK 2. WATER SERVICE LINE TO BE EMBEDDED 13 PEX IN CONCRETE. WATER SERVICE TO TRANSITION TO STEEL BEFORE EXITING SLAB AT WALL. REPLACE EXISTING WATER SERVICE LINE FROM SLAB TO WALL MOUNTED TURN VALVE WITH NEW 13 STEEL LINE.
7. CONFIRM HOUSEKEEPING PAD DIMENSIONS WITH MECHANICAL.
8. SEQUENCE OF WORK:
   PROVIDE SCHEDULES AND SEQUENCE OF WORK TO CITY/ ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION.
   REFER TO REF 2 FOR RECONSTRUCTION/REHABILITATION SCHEDULE.
   (NOTE DIFFERENCE BETWEEN DEMOLITION SECTIONS AND POUR SECTIONS SHOWN ON DRAWING D009.)
   A. CLOSE VALVES AND REMOVE SPOOLS AT TANKS 2 AND 3. CLEAN TANKS 2 AND 3 AS REQUIRED FOR WORK. TANK 1 TO REMAIN IN OPERATION.
   B. SHORE BEAM UNDER SLAB IN DEMO SECTION 2 AS INDICATED ON PLAN.
   C. DEMOLISH TOP SLAB AND BEAM IN DEMO SECTION 1.
   D. DEMOLISH 300 WALL ON GL V1 TO EXTENTS SHOWN IN SECTION A ON DRAWING REF. 1.
   E. REMOVE 100mm CONCRETE AND REHABILITATE WALLS ON GL 31 AND 33 IN DEMO SECTION 1.
   F. POUR 300 CENTRE WALL ON GL V1 IN DEMO SECTION 1 C/W 75 BEAM POCKET IN WALL FOR SOUTH BEAM.
   G. DEMOLISH SLAB AND BEAM IN DEMO SECTION 2.
   H. REMOVE 100mm CONCRETE AND REHABILITATE WALLS ON GL 31, GL 33, AND W1. PROVIDE BLOCKOUT FOR BEAM.
   I. POUR SLAB AND BEAM MONOLITHICALLY IN POUR SECTION 1 (GL W1 TO GL V1).
   J. APPLY INTERIOR LINER TO TANK 3 INTERIOR WALLS AND CEILING. REFER TO SPECIFICATION SECTION 098500.
   K. SLUDGE TO BE DIRECTED TO TANK 3. INSTALL PIPING TO TANK 3. CLOSE VALVE TO TANK 1. REMOVE SPOOL.
   L. CLEAN TANK 1 AS REQUIRED FOR WORK.
   M. SHORE BEAM UNDER SLAB IN DEMO SECTION 4 AS INDICATED ON PLAN.
   N. DEMOLISH TOP SLAB AND BEAM IN DEMO SECTION 3.
   O. DEMOLISH 300 WALL WITHIN DEMO SECTION 3 TO EXTENTS SHOWN IN SECTION A ON DRAWING REF. 1.
   P. REMOVE 100mm CONCRETE AND REHABILITATE WALLS ON GL 31 AND 33 IN DEMO SECTION 3.
   Q. POUR 300 CENTRE WALL WITHIN DEMO SECTION 3 C/W 75 BEAM POCKET IN WALL FOR NORTH BEAM.
   R. DEMOLISH TOP SLAB AND BEAM IN DEMO SECITON 4.
   S. REMOVE 100mm CONCRETE AND REHABILITATE WALLS ON GL 31, GL33, AND NORTH WALL. PROVIDE 100mm BLOCKOUT FOR BEAM IN NORTH WALL
   T. POUR SLAB AND BEAM MONOLITHICALLY IN POUR SECTION 2 (TANK 1 NORTH SECTION).
   U. APPLY INTERIOR LINER TO TANK 1 INTERIOR WALLS AND CEILING. REFER TO SPECIFICATION SECTION 098500.
   V. POUR SLAB SECTION 3 (TANK 2).
   W. APPLY INTERIOR LINER TO TANK 2 INTERIOR WALLS AND CEILING. REFER TO SPECIFICATION SECTION 098500.
   X. REPLACE SPOOLS TO TANK 1 AND 2 AND OPEN VALVES.

NO.	DRAWING NUMBER	REFERENCE DRAWINGS TITLE
9		
8		
7		
6		
5		
4		
3	1–0102–PDTL–D001	PROCESS–DETAILS
2	1–0102–SDTL–D004	STRUCTURAL – NEW WORK – DETAILS
1	1–0102–SGAD–D010	STRUCTURAL – NEW WORK – SECTIONS

METRIC
WHOLE NUMBERS INDICATE MILLIMETERS
DECIMALIZED NUMBERS INDICATE METERS

1.25 0 1.25 2.5m
1 : 50

1.875 0 1.875 3.75m
1 : 75

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
MPE, a division of Englobe Corp.
No. 4968 Date: 2026–01–13

NO.	REVISIONS	DATE	DESIGN	CHECK
00	ISSUED FOR CONSTRUCTION, TENDER NUMBER: 7–2026	26–01–13	BWA	MJB

MPE a division of Englobe

DESIGNED BY: B. ANDERSON	CHECKED BY: M. BAKER
DRAWN BY: C. HURD	APPROVED BY: M. BAKER
SCALE: 1 : 50	RELEASED FOR CONSTRUCTION BY:
DATE: 2026–01–13	DATE:
CONSULTANT NO.: 8400–010–00	

ENGINEER'S SEAL
PROVINCE OF MANITOBA
M. J. BAKER Member 43540
REGISTERED PROFESSIONAL ENGINEER
2026–01–13
REV 00

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

SOUTH END SEWAGE TREATMENT PLANT (SEWPCC)
SEWPCC SLUDGE HOLDING TANKS REFURBISHMENT
AREA D – FERMENTERS/SLUDGE THICKENERS
STRUCTURAL
NEW WORK – PLANS

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1–0102–SGAD–D009		00	A1

M:\N–Data\8A\00 City of Winnipeg\010 – WEWPCC SEWPCC Sludge Holding Tank Rehabilitation\AutoDesk\Revit\8400–10–00_South Bldg_Struc_V24.rvt