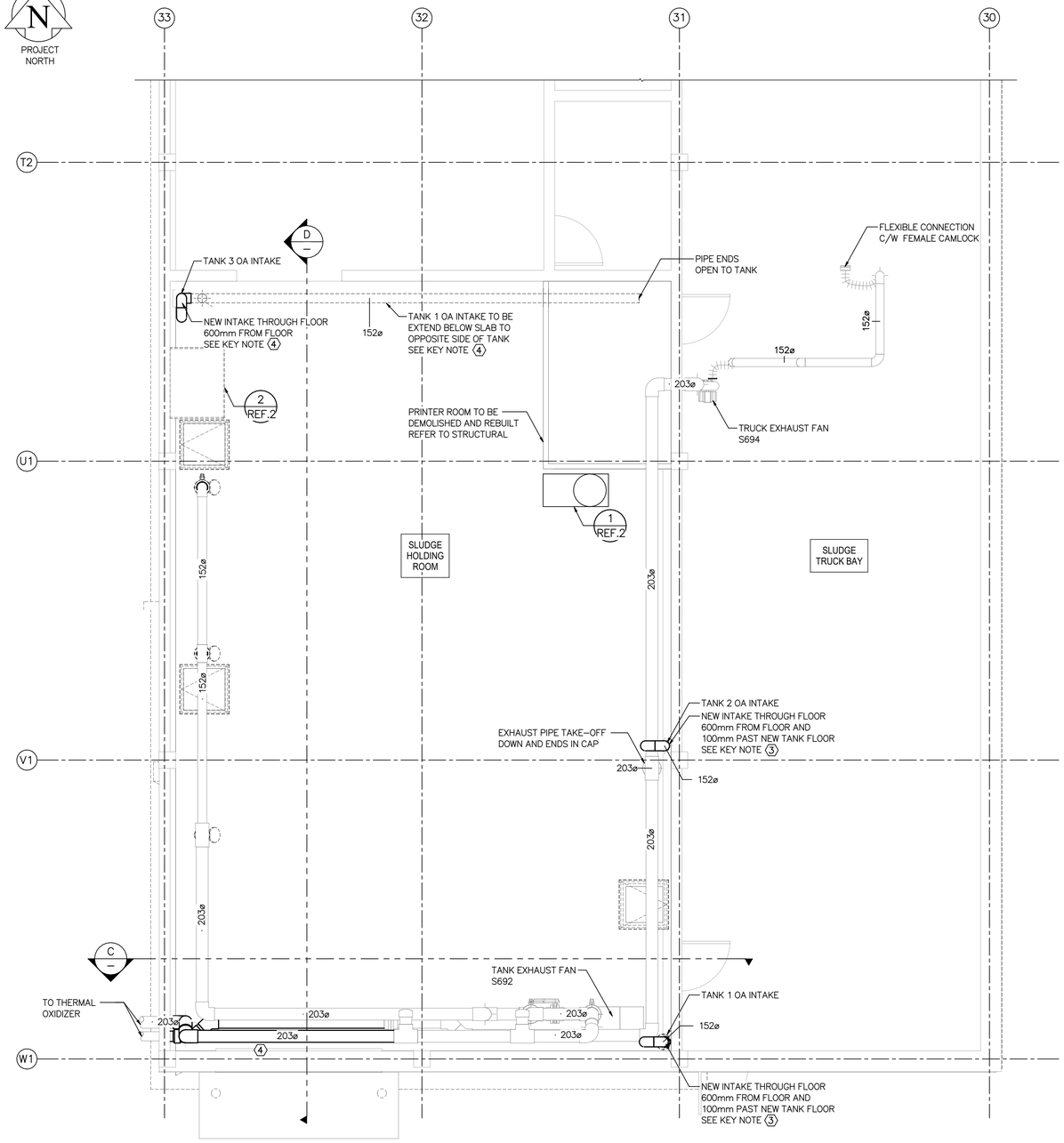
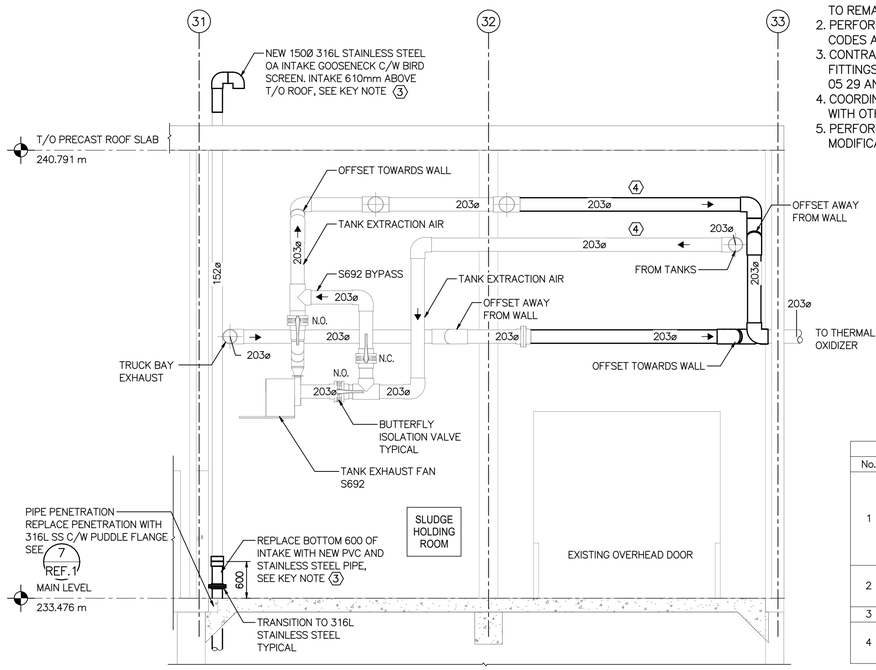
PROJECT NORTH



MAIN LEVEL – NEW WORK PLAN (EL. 233.476m)

SCALE: 1 : 50



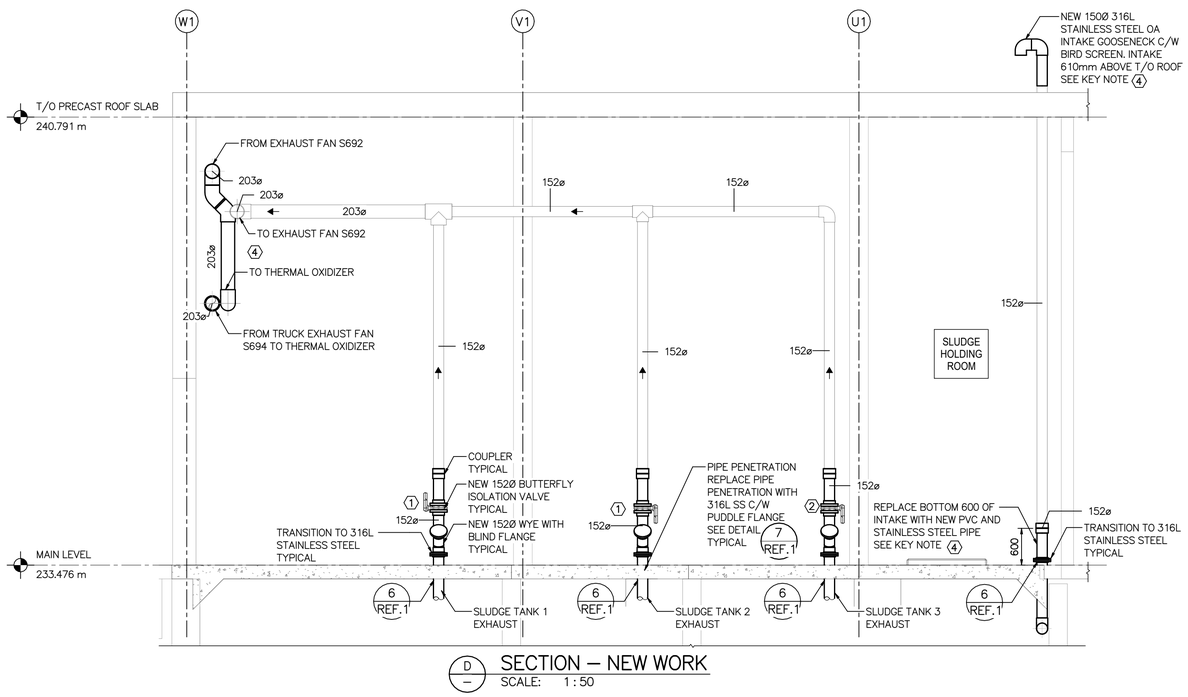
C — SECTION – NEW WORK

SCALE: 1 : 50

KEYNOTES ⟨#⟩	
No.	NOTE
1	NEW BUTTERFLY ISOLATION VALVE AND BLIND FLANGE TO BE INSTALLED IN PHASE 1. TEMPORARY VENTILATION SYSTEM TO BE CONNECTED TO BLIND FLANGES FOR TANK(S) IN SERVICE DURING PHASE 2, ISOLATION VALVES TO BE IN CLOSED POSITION WITH LOCKOUT TAGS. TIE NEW VALVES INTO EXISTING VENTILATION SYSTEM AFTER PHASE 2 IS COMPLETE.
2	NEW BUTTERFLY ISOLATION VALVE AND ASSOCIATED PIPING TO BE INSTALLED IN PHASE 2 AFTER PERMANENT VENTILATION SYSTEM IS TAKEN OUT OF SERVICE.
3	NEW PIPING TO BE INSTALLED IN PHASE 1.
4	NEW PIPING TO BE INSTALLED IN PHASE 2 AFTER PERMANENT VENTILATION SYSTEM IS TAKEN OUT OF SERVICE.

NOTES:

1. ALL ITEMS SHOWN BOLD AND BLACK INDICATE NEW CONSTRUCTION. SOLID AND GREY LINES INDICATE EXISTING TO REMAIN.
2. PERFORM WORK IN ACCIRDANCE WITH ALL APPLICABLE CODES AND REGULATION.
3. CONTRACTOR TO PROVIDE SUPPORT FOR PIPING AND FITTINGS IN ACCORDANCE WITH SPECIFICATION SECTION 23 05 29 AND AS PER MANUFACTURER'S RECOMMENDATIONS.
4. COORDINATE PLUMBING LINES AND FIXTURE/EQUIPMENT WITH OTHER DISCIPLINES.
5. PERFORM AIR BALANCING AFTER PHASE 1, 2 AND PIPING MODIFICATIONS ARE COMPLETE.



D — SECTION – NEW WORK

SCALE: 1 : 50

NO.	DRAWING NUMBER	REFERENCE DRAWINGS TITLE
9		
8		
7		
6		
5		
4		
3		
2	1–0102–MGAD–DD52	MECHANICAL – EQUIPMENT REMOVAL AND REINSTALLATION
1	1–0102–PDTL–D001	PROCESS – DETAILS

METRIC

WHOLE NUMBERS INDICATE MILLIMETERS
DECIMALIZED NUMBERS INDICATE METERS

1.25 0 1.25 2.5m

1 : 50

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	PPG	PPG

MPE a division of Englobe

DESIGNED BY: B. DRADER	CHECKED BY: P. GEORTZEN
DRAWN BY: J. BALVERDE	APPROVED BY: P. GEORTZEN
SCALE: 1 : 50	RELEASED FOR CONSTRUCTION BY:
DATE: 2025–02–21	DATE:
CONSULTANT NO.: 8400–010–00	

ENGINEER'S SEAL

PROVINCE OF MANITOBA
P.P. GOERTZEN
Member 43822
REGISTERED PROFESSIONAL ENGINEER

2025–06–04

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
MECHANICAL
NEW WORK – VENTILATION – PLAN AND SECTIONS

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1–0102–MGAD–D605		00	A1

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