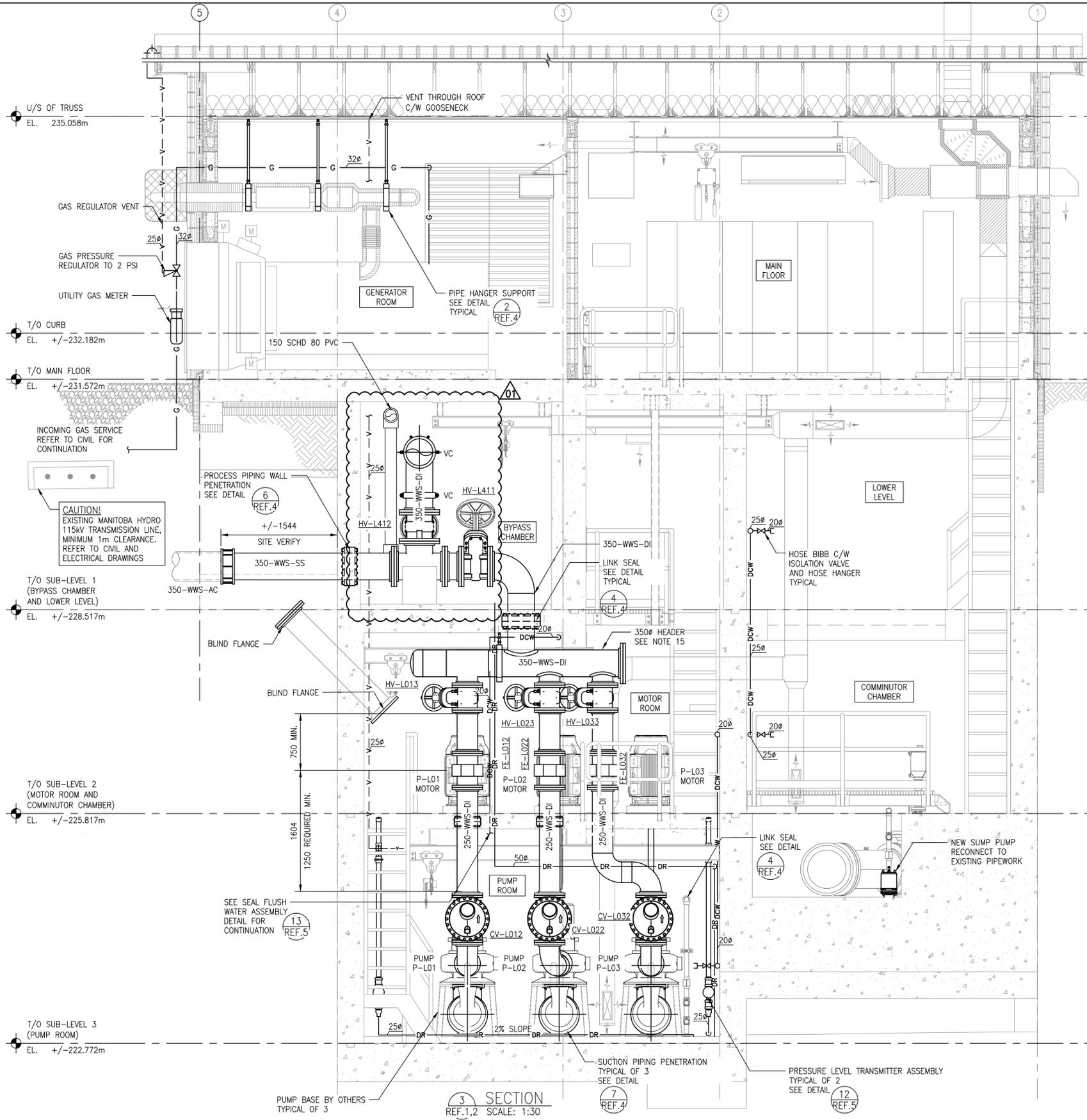


A1 SIZE - 594mm x 841mm

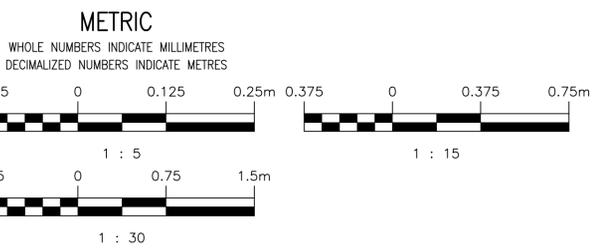
LAST SAVE: 2026/03/06 - 3:06pm
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GENERAL NOTES:

- ALL ITEMS SHOWN BOLD AND BLACK INDICATE NEW CONSTRUCTION. SOLID GREY LINES INDICATE EXISTING TO REMAIN.
- CONTRACTOR TO FIELD CONFIRM ALL DIMENSIONS. NOTE ANY DISCREPANCIES WITH ENGINEER PRIOR TO FABRICATION OR CONSTRUCTION.
- PRECISE LOCATION OF EXISTING FORCE MAIN IS UNKNOWN. CONTRACTOR TO VERIFY CONNECTION DETAILS AND BYPASS VAULT DIMENSIONS FOLLOWING FORCE MAIN EXPOSURE.
- DRAWINGS ARE DIAGRAMMATIC AND INDICATE INTENT ONLY. PROVIDE ALL VERTICAL AND HORIZONTAL OFFSETS NOT NECESSARILY IDENTIFIED IN THE DRAWING IN A MANNER THAT MEETS ALL CODE REQUIREMENTS.
- CONTRACTOR TO PROVIDE SUPPORT FOR PIPING AND FITTING AS PER MANUFACTURER'S RECOMMENDATIONS.
- CONTRACTOR TO CORE HOLES FOR PENETRATIONS. CONTRACTOR TO USE LINK SEALS AND GROUT AS PER SPECIFICATIONS.
- ALL PLUMBING SHALL BE INSTALLED TO NATIONAL PLUMBING CODE REQUIREMENTS.
- PERFORM WORK IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATION.
- ALL PENETRATION TO BE PROPERLY SEALED.
- PROVIDE PLUMBING AND MISCELLANEOUS FITTINGS WHERE REQUIRED TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM.
- PLUMBING FITTINGS AND EQUIPMENT SHALL BE INSTALLED AS PER MANUFACTURER'S REQUIREMENTS INCLUDING MEETING ALL CLEARANCES.
- COORDINATE LOCATION OF PLUMBING SO AS TO NOT BE IN CONFLICT WITH CABLE TRAYS, DUCTING, ETC.
- DIMENSIONS APPROXIMATE AND SUBJECT TO CHANGE BASED ON PUMP DIMENSIONS. REFER TO PIPEWORK DIMENSIONS.
- SEE MECHANICAL SCHEDULES ON SHEET 1-0193L-M0007-001 FOR SPECIFICATIONS.
- PROCESS PIPING HEADER MAY ALTERNATIVELY BE CONSTRUCTED OF STM A106/A106M GRADE B CARBON STEEL EXTRA HEAVY WALL THICKNESS. STEEL FLANGES SHALL BE ASTM A105, SLIP-ON OR WELD-NECK, DIMENSIONS TO ANSI B16.5, 150#, FLAT FACE. INTERIOR FINISH TO BE SHOP-APPLIED EPOXY COATING IN ACCORDANCE WITH AWWA C210: TWO (2) PRIME COATS DEVOE BAR RUST 236, 6 MIL DFT PER COAT, WITH DEVOE DEVGRIP 238 ABRASION RESISTANT FINISH COAT, 6 MIL DFT. TOTAL LINING 18 MIL DFT, OR APPROVED EQUAL. EXTERIOR FINISH TO BE EPOXY FINISH IN ACCORDANCE WITH AWWA C210.
- PROCESS PIPING FLANGES AND COUPLERS GENERALLY NOT SHOWN FOR CLARITY. CONNECTIONS TO BE AS SHOWN OR ELSE FIELD FIT ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. ENSURE COUPLERS ARE USED AT CONCRETE PENETRATIONS TO PERMIT DISASSEMBLY.

SECTION
 REF.1,2 SCALE: 1:30



ENGINEERS GEOSCIENTISTS MANITOBA
 Certificate of Authorization
 MPE, a division of Englobe Corp.
 No. 4968 Date: MAR 09, 2026

NO.	DRAWING NUMBER	REFERENCE DRAWINGS TITLE
9		
8		
7		
6		
5	1-0193L-M0006-002	MECHANICAL DETAILS
4	1-0193L-M0006-001	MECHANICAL DETAILS
3	1-0193L-C0003-001	CIVIL BYPASS PUMPING AND DETAILS PLANS AND SECTIONS
2	1-0193L-M0002-002	MECHANICAL PIPING PLANS MOTOR ROOM, COMMUNOTOR CHAMBER AND PUMP ROOM NEW WORK
1	1-0193L-M0002-001	MECHANICAL PIPING PLANS MAIN FLOOR AND LOWER LEVEL NEW WORK

NO.	REVISIONS	DATE	DESIGN	CHECK
01	RE-ISSUED FOR CONSTRUCTION, B.O. 1042-2025	2026-03-09	BRB	BRB
00	ISSUED FOR CONSTRUCTION, B.O. 1042-2025	2026-01-09	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 NOTED	RELEASED FOR CONSTRUCTION DATE: 2026-01-09
CONSULTANT NO.: 8400-011-00	



THE CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT

Winnipeg

TYLEHURST LIFT STATION
 2026 UPGRADES
 MECHANICAL PIPING SECTIONS
 NEW WORK

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1-0193L-M0003	002	01	A1