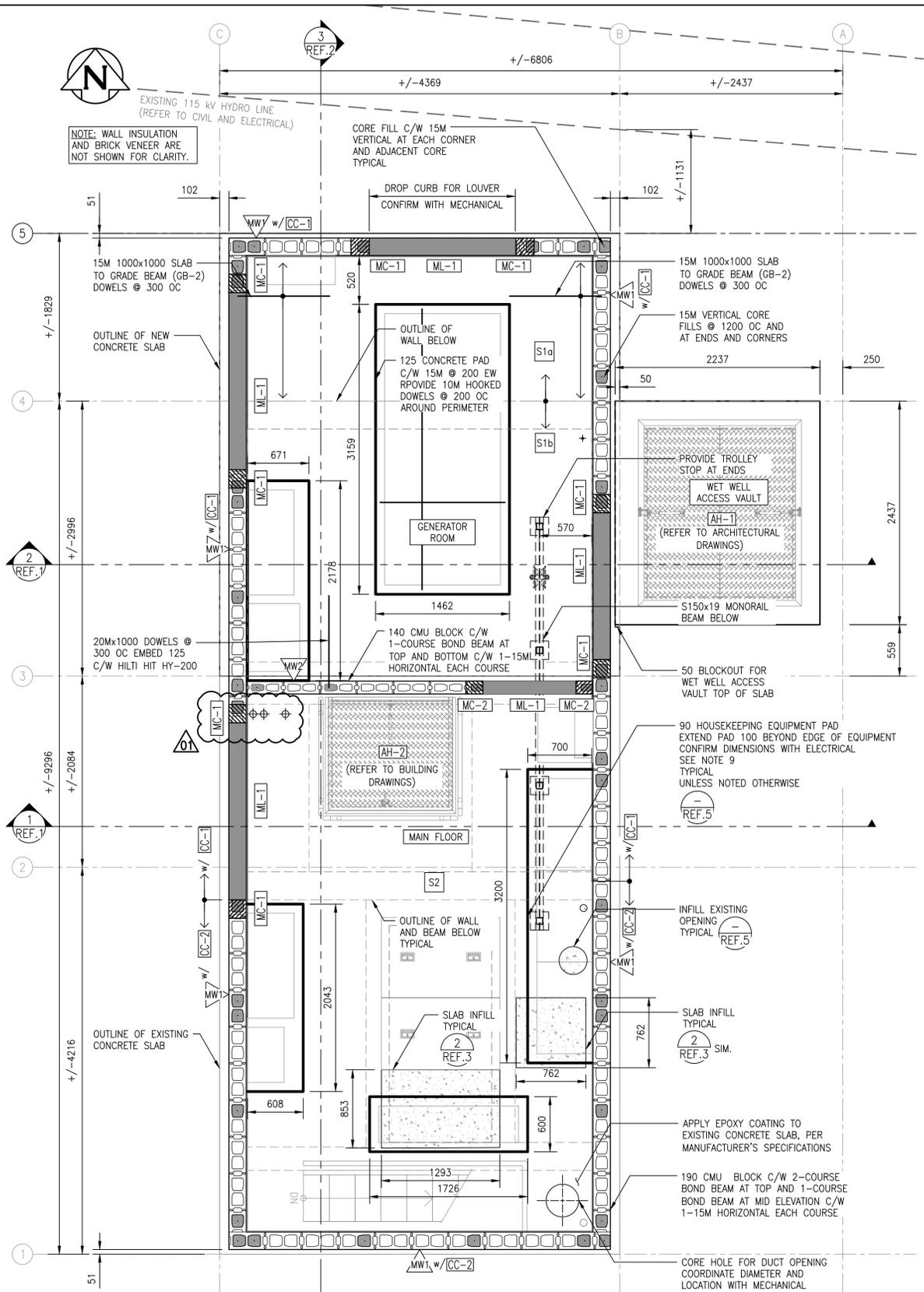
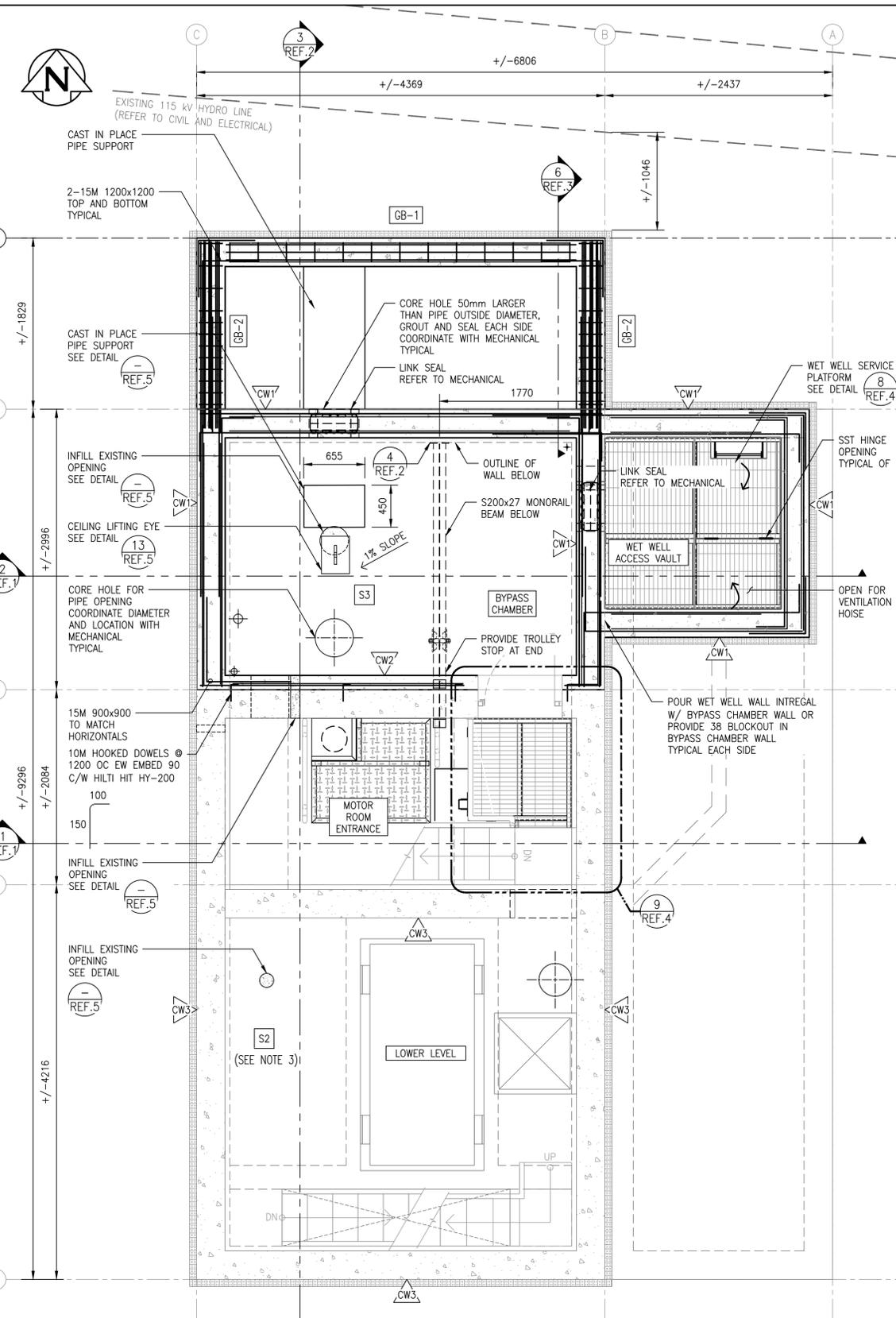


LAST SAVE: 2026/02/09 - 4:21pm
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 T:\Station Lift Station Upgrades\AutoDesk\ACAD\1-0193L-S0002-001-01.dwg



MAIN FLOOR AND GENERATOR ROOM - NEW WORK PLAN (EL. 231.572m)
SCALE: 1:30



LOWER LEVEL AND BYPASS CHAMBER - NEW WORK PLAN (EL. 228.517m)
SCALE: 1:30

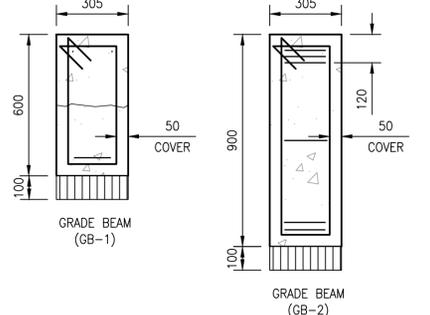
- GENERAL NOTES:**
- ALL ITEMS SHOWN BOLD AND BLACK INDICATE NEW CONSTRUCTION. SOLID GREY LINES INDICATE EXISTING TO REMAIN.
 - CONTRACTOR TO FIELD CONFIRM ALL DIMENSIONS. NOTE ANY DISCREPANCIES WITH ENGINEER PRIOR TO FABRICATION OR CONSTRUCTION.
 - SEE SCHEDULES ON SHEET 1-0913L-S0001-001-00 FOR SPECIFICATIONS.
 - WET WELL ACCESS HATCH LADDER AND ASSOCIATED PLATES AND HARDWARE TO BE STAINLESS STEEL ASTM-A240 GRADE 304.
 - STAINLESS BOLTS TO BE ASTM F593 GRADE 304.
 - COAT ALL ALUMINUM SURFACES IN CONTACT WITH CONCRETE OR STEEL WITH 2 COATS BITUMEN. PREPARE AND FINISH ALL CONCRETE, MASONRY AND METAL SURFACES IN ACCORDANCE WITH SECTION 09 01 90.63. PAINT STAIRS, LADDERS AND RAILS SAFETY YELLOW. PROVIDE RESINOUS EPOXY FLOORING PER SECTION 09 67 23 AND ANTI-GRAFFITI COATING ON EXTERIOR BRICKS AND MASONRY PER SECTION 09 96 50. COLOURS AND COATING TYPE SHALL COMPLY WITH ROOM FINISH SCHEDULE ON SECTION 09 01 90.63.
 - CONTRACTOR TO COORDINATE WALL, FLOOR AND ROOF PENETRATIONS WITH OTHER DISCIPLINES.
 - EPOXY FLOOR, EQUIPMENT PAD, AND CURBS.
 - PROVIDE 15Mx1000 DOWELS AT ALL CORE FILL LOCATIONS EMBED 150 C/W HILTI HIT HY-200

MASONRY LINTEL SCHEDULE (ML-#)		
TYPE	LINTEL REQUIREMENTS	REINFORCEMENT
ML-1	2 COURSE MASONRY LINTEL	2-15M TOP AND BOTTOM C/W 10M STIRRUPS 300x75 @ 200 OC ALTERNATE DIRECTION

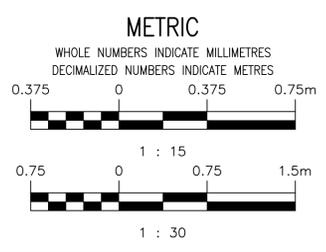
MASONRY COLUMN SCHEDULE (MC-#)		
TYPE	LINTEL REQUIREMENTS	REINFORCEMENT
MC-1	190 MASONRY BLOCK CORE FILL COLUMN	1-15M VERTICAL EMBED MIN 150 INTO CONCRETE C/W HILTI HIT HY-200
MC-2	140 MASONRY BLOCK CORE FILL COLUMN	1-15M VERTICAL EMBED MIN 150 INTO CONCRETE C/W HILTI HIT HY-200

CONCRETE CURB SCHEDULE (CC-#)	
TYPE	DESCRIPTION
CC-1	CONCRETE CURB (EXTERIOR) - 200x610 CONCRETE CURB C/W 15M @ 300 OC E/W EMBED VERTICAL 125 C/W HILTI HIT HY-200
CC-2	CONCRETE CURB (EXTERIOR) - EXISTING 200x610 CONCRETE CURB

GRADE BEAM SCHEDULE (GB-#)		
TYPE	DESCRIPTION	REINFORCEMENT
GB-1	305 THK x 600 HIGH C/W 100 VOID FORM (SEE DETAIL 4/REF.3)	2-15M TOP 3-20M BOTTOM 10M CLOSED STIRRUPS EXTEND INTO TOP SLAB @ 300 OC
GB-2	305 THK x 900 HIGH C/W 100 VOID FORM (SEE DETAIL 6/REF.3 FOR ADDITIONAL REINFORCEMENT)	3-20M TOP 3-20M @ 120 FROM TOP 3-20M BOTTOM 10M STIRRUPS @ 125 OC FOM FIRST 1m FROM WALL, @ 250 OC THEREAFTER



GRADE BEAM - SECTION VIEW
SCALE: 1:15



ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
MPE, a division of Englobe Corp.
No. 4968 Date: FEB 10, 2026

NO.	REVISIONS	DATE	DESIGN	CHECK
01	REISSUED FOR CONSTRUCTION, B.O. 1042-2025	2026-02-10	MJB	MJB
00	ISSUED FOR CONSTRUCTION, B.O. 1042-2025	2026-01-09	MJB	MJB

MPE
a division of Englobe

DESIGNED BY: M. BAKER
DRAWN BY: J. BALVERDE
SCALE: AS NOTED

CHECKED BY: M. BAKER
APPROVED BY: M. BAKER
RELEASED FOR CONSTRUCTION BY: M. BAKER

DATE: 2026-01-09

CONSULTANT NO.: 8400-011-00

ENGINEER'S SEAL
PROVINCE OF MANITOBA
M.J. BAKER
Member 43540
REGISTERED PROFESSIONAL ENGINEER
2026-02-10

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

TYLEHURST LIFT STATION
2026 UPGRADES
STRUCTURAL PLANS
MAIN FLOOR AND LOWER LEVEL
NEW WORK

CITY DRAWING NUMBER: 1-0193L-S0002
SHEET: 001
REV: 01
SIZE: A1

NO.	DRAWING NUMBER	REFERENCE DRAWINGS TITLE
9		
8		
7		
6		
5	1-0193L-S0005-003	STRUCTURAL DETAILS
4	1-0913L-S0005-002	STRUCTURAL DETAILS
3	1-0193L-S0005-001	STRUCTURAL DETAILS
2	1-0193L-S0004-002	STRUCTURAL SECTIONS NEW WORK
1	1-0193L-S0004-001	STRUCTURAL SECTIONS NEW WORK