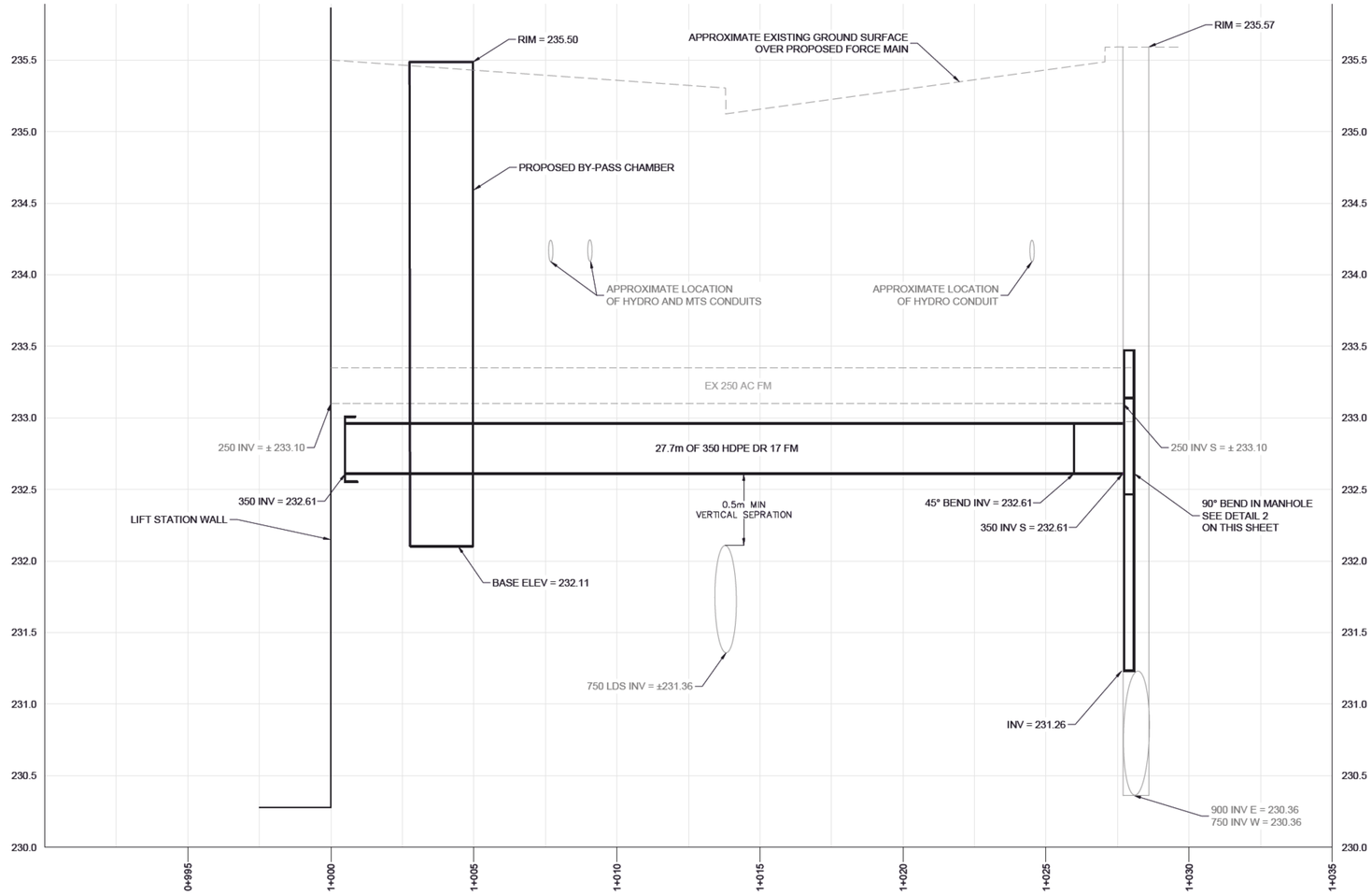
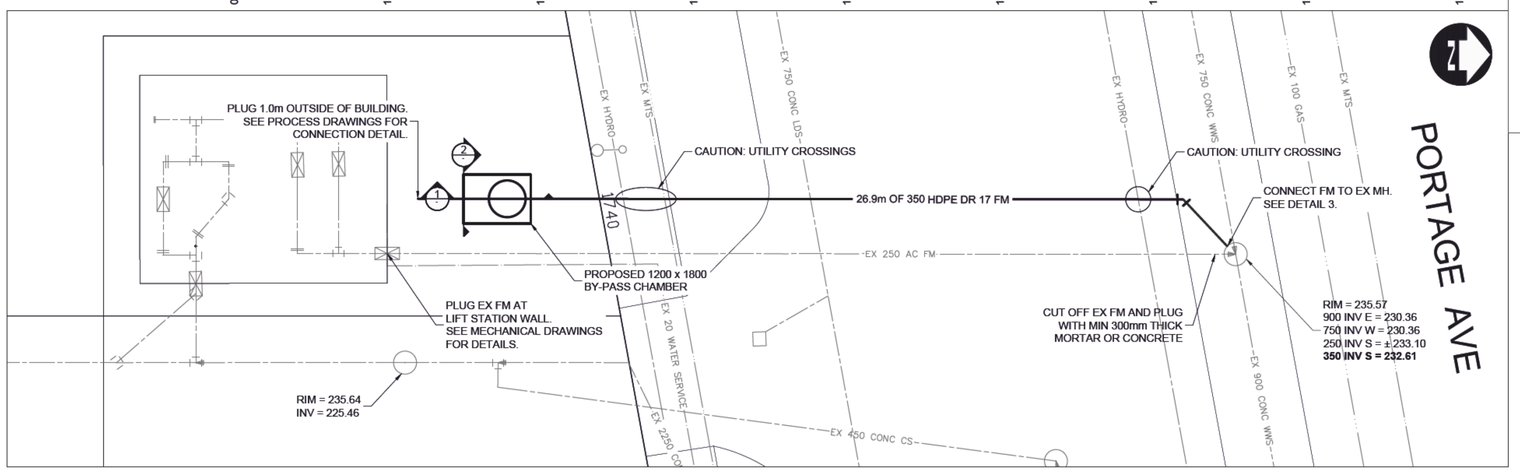
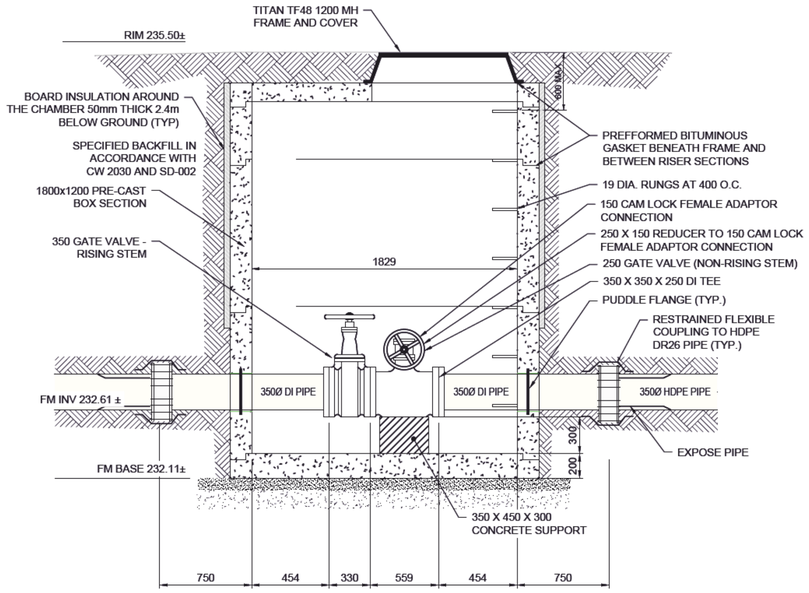
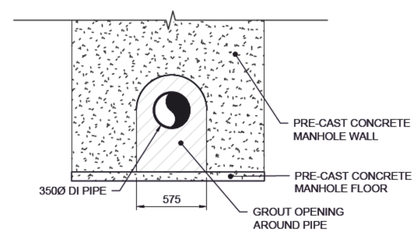


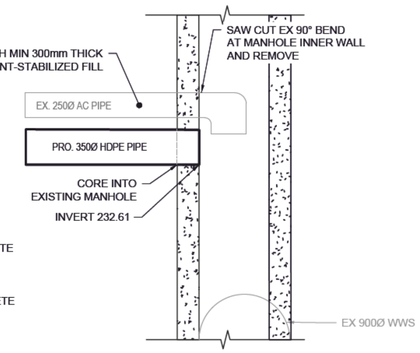




1 BY-PASS CHAMBER SECTION
SCALE: NTS



2 PIPE OPENING DETAIL
SCALE: NTS



3 MANHOLE CONNECTION DETAIL
SCALE: NTS

FORCE MAIN CONSTRUCTION NOTES:

1. LOCATION OF ALL EXISTING SERVICES INDICATED ARE BASED ON THE BEST AVAILABLE INFORMATION. ALL SERVICES MAY NOT BE SHOWN AND ACCURACY IS NOT GUARANTEED.
2. CONTRACTOR IS RESPONSIBLE TO LOCATE ALL UTILITIES IN THE FIELD PRIOR TO CONSTRUCTION TO CONFIRM ELEVATIONS.
3. INSTALL FORCEMAIN BY TRENCHLESS METHODS ACROSS PORTAGE AVENUE.
4. TRENCHES AND EXCAVATIONS WITHIN 1.0 m OF A PAVED AREA INCLUDING SIDEWALKS SHALL BE CLASS 3 BACKFILL.
5. ALL WORK AND MATERIALS SHALL CONFORM TO THE LATEST REVISION OF THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS UNLESS INDICATED OTHERWISE.
6. WHERE CROSSING AN EXISTING WATERMAIN, THE FORCE MAIN SHALL BE INSTALLED TO MAINTAIN A MINIMUM 0.5m VERTICAL CLEARANCE BETWEEN THE PIPES IF INSTALLED BELOW OR 1.0m VERTICAL CLEARANCE BETWEEN THE PIPES IF INSTALLED ABOVE THE WATERMAIN. WHERE CROSSING AN EXISTING LAND DRAINAGE SEWER, THE MAIN SHALL BE INSTALLED TO MAINTAIN A MINIMUM 0.5m VERTICAL CLEARANCE BETWEEN THE PIPES.

DRAWING NUMBER	REFERENCE DRAWINGS

NOT FOR CONSTRUCTION

ISSUED FOR TENDER

SCALE 1:100 METRES

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
Dillon Consulting Limited (MB)
No. 1789 Date:

NO.	REVISIONS	DATE	DESIGN	CHECK
0	ISSUED FOR TENDER	2023/07/20	SDG	–

DILLON CONSULTING

DESIGNED BY: SDG	CHECKED BY: –
DRAWN BY: TJH	APPROVED BY: –
SCALE: H=1:100, V=1:20	RELEASED FOR CONSTRUCTION BY:
DATE: JUNE 2023	DATE:
CONSULTANT NO.: 22-3229	

ENGINEER'S SEAL
PROVINCE OF MANITOBA
S.D. GOLDSTINE
Member 42849
REGISTERED PROFESSIONAL ENGINEER
2023-07-20

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

RIVERBEND LIFT PUMPING STATION
2022 UPGRADES

CIVIL FORCEMAIN PLAN–PROFILE

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1–0178L–C0001	001	00	A1

223229–CU–CON.dwg

A1 SIZE - 594mm x 841mm

LAST SAVE: 2023/07/20 - 3:30pm
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