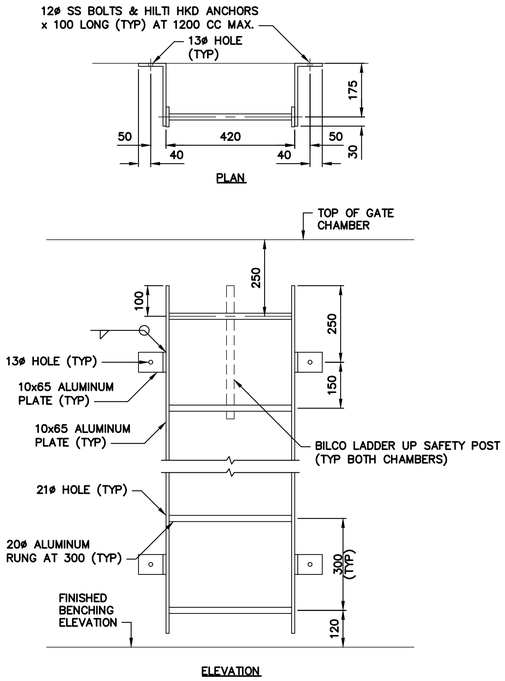
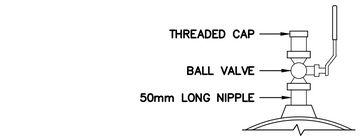
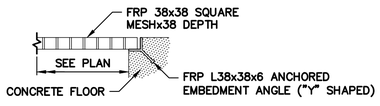


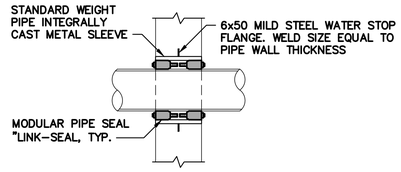
1 DETAIL – LADDER
S-1003, S-1004, S-1005, S-1006
Scale 1:10



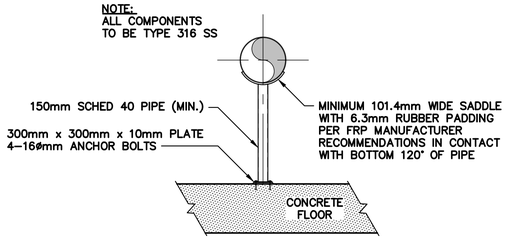
4 DETAIL – LEAK TEST AND DRAIN CONNECTION
S-1003, S-1004
NTS



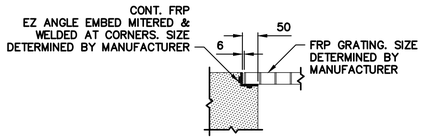
5 DETAIL – SUMP PIT GRATING
S-1004, S-1006
Scale 1:10



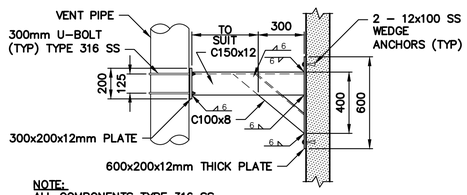
8 DETAIL
S-1004, S-1006
Scale 1:20



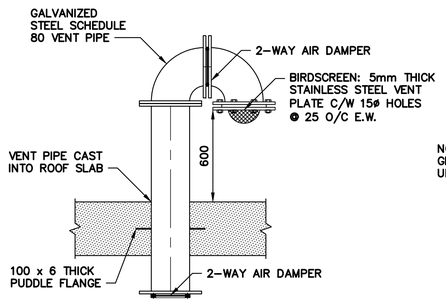
9 DETAIL – 750mm FRP SUPPORT
Scale 1:50



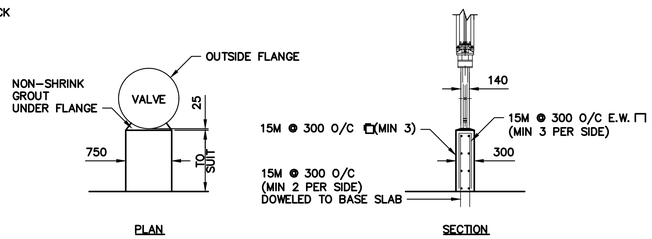
2 DETAIL – FRP GRATING
S-1004, S-1006
Scale 1:10



6 DETAIL – VERTICAL PIPE SUPPORT
S-1004, S-1006
Scale 1:20



3 DETAIL – VENT PIPE
S-1004, S-1006
Scale 1:20



7 DETAIL – VALVE BASE BLOCK
S-1003, S-1004, S-1005, S-1006
Scale 1:50

FOR INDEX SEE G-1001

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
AECOM Canada ULC
No. 4671

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

1:5 — 0.0 100 200 300 mm
1:10 — 0.0 250 500 mm
1:20 — 0.0 500 1000 mm
1:25 — 0.0 500 1000 1500 mm
1:40 — 0.0 1000 2000 mm
1:50 — 0.0 1000 2000 3000 mm
1:250 — 0.0 5.0 10.0 15.0 m
1:500 — 0.0 10.0 20.0 30.0 m
1:750 — 0.0 25.0 50.0 m

LOCATION APPROVED
UNDERGROUND STRUCTURES

SUPV. U/G STRUCTURES COMMITTEE — DATE

NOTE:
LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

B.M. Z63-11 ELEV. 232.525m — Bishop Grandin Blvd. & the E. bank of the Red River, Tblt. on top of N.W. Cor. of gate chamber which is closest to the most Sly. bridge of two bridges over Red River on Bishop Grandin Blvd.

CONSTRUCTION COMPLETION DATE: YYYY MM DD

NO.	REVISIONS	DATE	BY
0	ISSUED FOR TENDER	25/05/14	ADL

AECOM

DESIGNED BY	MPG	CHECKED BY	JAT
DRAWN BY	ADL	APPROVED BY	MGM
SCALE: HORIZONTAL	AS NOTED	RELEASED FOR CONSTRUCTION	
VERTICAL	–		R. LUCKY
DATE	2025 05 13	DATE	25/05/14

PLOT DATE: 2025 05 13

ENGINEER'S SEAL
PROVINCE OF MANITOBA
M.P.A. GAUDREAU
Member
32167
2025-05-14
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NUMBER
S-4001

Winnipeg

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

REPLACEMENT OF THE
FORT GARRY ST VITAL SIPHON

STRUCTURAL
REINFORCING &
MISCELLANEOUS DETAILS

SHEET 26 OF 32
CITY DRAWING NUMBER
S-4001

Tender No: 1010-2024B
CONTRACT NUMBER:

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