

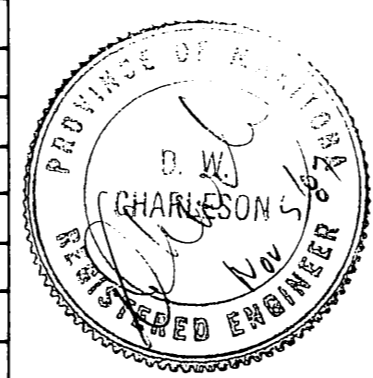
**GENERAL NOTES**

1. EXCAVATE TO INDICATED DEPTH BELOW GRADE, WITH ALLOWANCE FOR WORKER ACCESS CONFORM TO REGULATIONS FOR EXCAVATION ACCORDING TO MANITOBA BUILDING CODE & CANADIAN CONSTRUCTION SAFETY CODE.
2. THE CONCRETE BASE TO BE INSTALLED LEVEL ON A 300mm CRUSHED ROCK BASE CAPABLE OF A BEARING CAPACITY OF 120 Kpa.
3. ENSURE THAT EXCAVATION IS DRY AT ALL TIME DURING THE INSTALLATION. INSTALL SUMP AS REQ'D. TO ACHIEVE THIS END.
4. PRECAST M.H. INTERIOR TO BE 2743 mm Ø.  
SLIDE GATE - FONTAINE SERIES 20 SS 914x914 C/W GEAR BOX/CRANK-TYPE OPERATOR AND STEM OR APPROVED EQUAL CONFORMING TO AWWA C-501-87 WATERTIGHTNESS STANDARD.  
FLAP GATE - FONTAINE SERIES 60 SS 914 OR APPROVED EQUAL.
5. SUPPLIER OF COMPONENTS TO PROVIDE CONNECTING BOLTS & TEMPLATES TO BE INSTALLED BY THE CONCRETE CONTRACTOR.
6. CONCRETE INSERTS TO BE HILTI HEAVY DUTY OR EQUIVALENT ANCHORS OF THE SIZE SHOW ON THE DWG. :  
LOAD CAPACITY TO BE  
19 mm Ø - 110 KN PULLOUT 172 KN SHEAR  
22 mm Ø - 120 KN PULLOUT 200 KN SHEAR
7. CAST-IN-PLACE MIN. EMBEDMENT TO BE 100mm
8. CONCRETE TO BE 25 MPa WITH SULPHATE RESISTANT TYPE 50 CEMENT (CAST-IN-PLACE CONCRETE)
9. REINFORCING STEEL TO BE 300 MPa YIELD GRADE DEFORMED BILLET STEEL BARS CONFORMING TO CSA G-30.12M PLAIN FINISH
10. STEEL GRATING TO BE 25mm BEARING BAR WITH BANDED BEVELED EDGES CAPABLE OF SUPPORTING A UNIFORM LOAD OF 20 Kpa, DOMINION BRIDGE OR EQUIVALENT.
11. ALL STEEL COMPONENTS TO BE GALVANIZED AS PER CSA G-164 MIN. 600 g/m<sup>2</sup>
12. GALVANIZING DAMAGED THROUGH WELDING TO BE "TOUCHED UP" WITH A ZINC DUST PRIMER CONFORMING TO CGS B-1-GP-17B.
13. WELD STEEL ANGLES TO CAST-IN-PLATES ABOVE SURFACE WHERE POSSIBLE TO MINIMIZE WELDING IN CHAMBER.
14. WELDING TO BE IN ALLOWANCE WITH C.S.A. - W59.1, USE E70 X LOW HYDROGEN ELECTRODES.
15. MISCELLANEOUS IRON SHOP DRAWINGS TO BE SUBMITTED TO ENGINEER PRIOR TO FABRICATION.
16. MIN. COVER FOR REINF'G. TO BE 20mm.
17. MAX. DEVIATION OF PRECAST COMPONENTS TO BE 5mm.
18. GASKETS TO BE A CONTINUOUS SEAL BETWEEN M.H. PIPE & PARTITION WALL.

NOTE: GATES TO BE INSTALLED 1988  
NOTE: DWGS. 12 & 13 REMOVED BECAUSE THEY'RE OBSOLETE.

REVISED AS CONSTRUCTED  
DATE: Nov. 22/88 BY: ALD  
CHECKED BY: [Signature]

NO.	REVISIONS	DATE	BY
2	REVISED TO AS CONSTRUCTED	08/03/11	ALD
1	REVISED NOTE NUMBER 4	07/12/21	ALD



MICOR ENGINEERING INC.		QUALICO DEVELOPMENTS (WPG) LTD.	
DESIGNED BY: D.C. / P.R.G.	CHECKED BY: D.C. / P.R.G.	THE CITY OF WINNIPEG DISTRICT NO. 5	14 2
DRAWN BY: A.L.D. / L.D.M.	DATE: NOV.-87	H.F. 2548	DWG. NO. REV.
SCALES: HORIZONTAL: 1:300 VERTICAL: 1:300	APPROVED BY: [Signature]	RIVER POINTE SUBDIVISION CONTROL CHAMBER SHEET 1 OF 2	07-01 JOB NO.

HF-02548