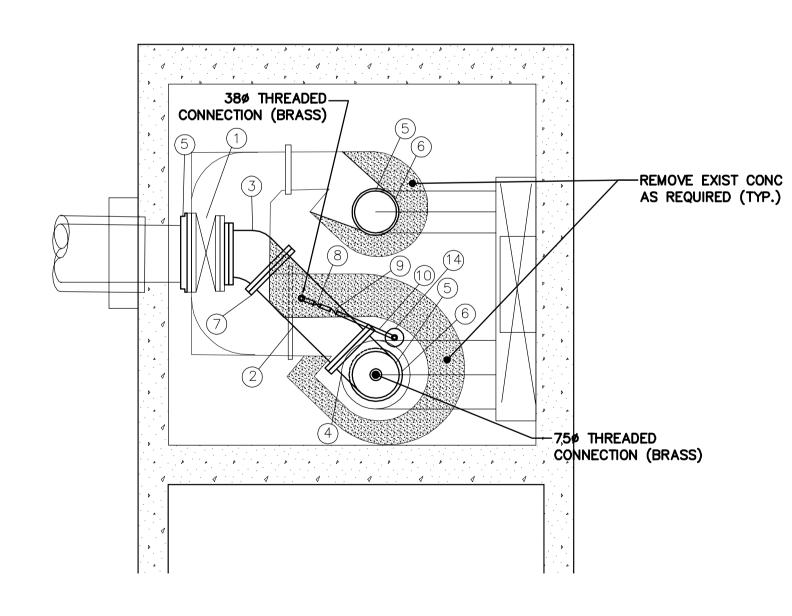
MANUAL OPERATOR GEARBOX WITH 50 X 50 AWWA OPERATING NUT 500 GATE VALVE OPERATING PEDESTAL -BRONZE GATE STEM-SS GATE STEM GUIDES SPACED AS REQUIRED BY GATE MANUFACTURER (2 MIN) ÷38ø RIGID PIPE 50X50 AWWA OPERATING — REMOVE EXIST GATE -VALVE AND INSTALL REINFORCED CONC **HEADWALL** REMOVE EXIST CONC — GROUT AROUND PIPE AS REQUIRED (TYP.) FLANGE TO SECURE - BOLT FLANGE TO FLANGE TO SECU EXIST CONC AND & SEAL (TYP.) REMOVE EXIST CONC AS-REQUIRED TO ALLOW TRANSITION FROM 5000 TO 6750 SIDE VIEW



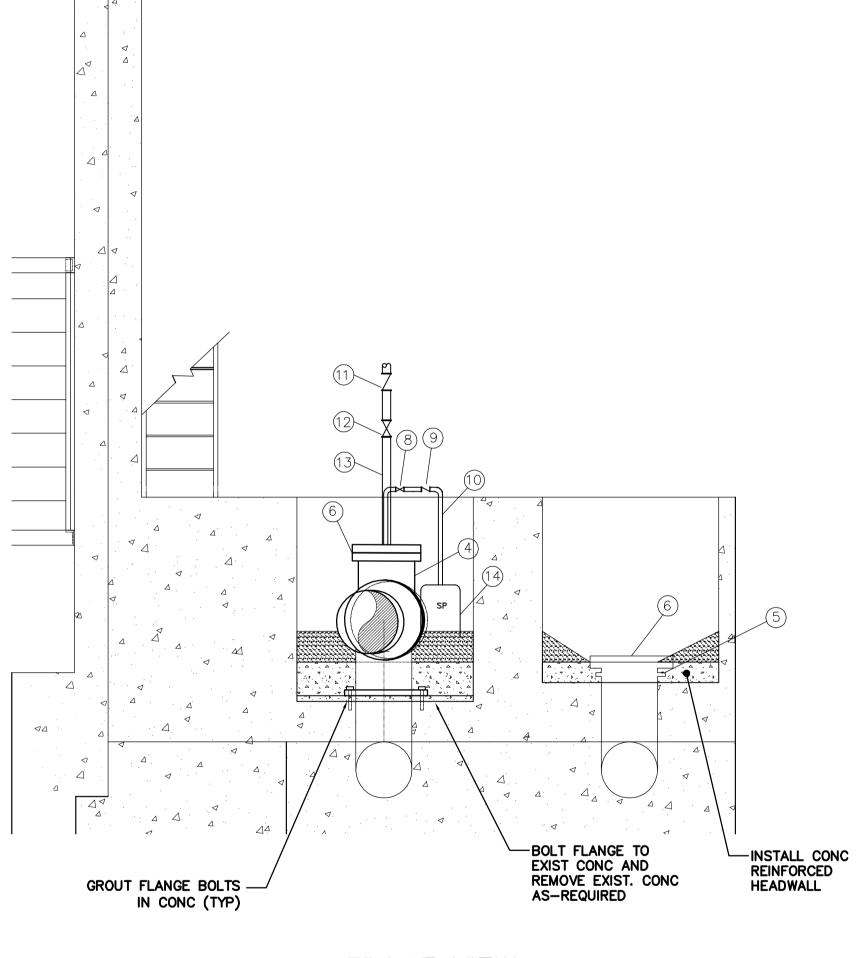
TOP VIEW

CONSTRUCTION NOTES:

- 1. ALLOWABLE SHUTDOWN TIME: MAX. 13.0 HRS OR AS DETERMINED BY COLLECTIONS STAFF
- 2. CRITICAL BASEMENT ELEVATION: 227.612
- 3. REMOVE EXISTING CONCRETE PIPING, VALVES, FITTINGS, AND OTHER MATERIALS
- AS REQUIRED. INSTALL NEW PUMPS, MOTORS, PIPING, VALVES AND FITTINGS AS SHOWN.

4. PROVIDE TEMPORARY BY-PASS PUMPING OF WASTEWATER DURING CONSTRUCTION.

- 5. FLANGE NUTS & BOLTS TO BE ASTM A307.
- 6. GASKETS TO BE FULL FACED, 3 THICK RED RUBBER.
- 7. CONTRACTOR TO CONFIRM ALL DIMENSIONS BEFORE ASSEMBLING PIPE.
- 8. ALL ANCHOR BOLTS TO BE ASTM A276 TYPE 316 SS.



FRONT VIEW

PLOT DATE: 2015 09 25

MATERIALS LIST

ITEM	DESCRIPTION	ENDS	LENGTH	QUANTITY
1) *	5000 NON RISING STEM GATE VALVES W/PEDESTAL OPERATORS	FL	4388±	1
2	500Ø PIPE	FL+PE	1107±	1
3	500¢ CAST IRON 45° BEND	FL	_	1
4	500¢ CAST IRON TEE	FL	_	1
5	5000 DI FLANGED WALL THIMBLE	_	_	2
6	500¢ DI BLIND FLANGE	_	_	2
7	500ø UNI-FLANGE	_	-	1
8	38¢ GATE VALVE	_	_	1
9	38¢ CHECK VALVE	_	_	1
10	38ø TYPE 316 SS PIPE	_	_	1
(11)	75¢ ONE WAY AIR VALVE	_	-	1
(12)	75¢ CHECK VALVE	_	_	1
(13)	75ø TYPE 316 SS PIPE	_	_	1
14)	110V, MIN 1/3 HP, SUMP PUMP W/FLOAT SWITCH	_	_	1
	LENGTHS & DIMENSIONS SHOWN AS ± TO BE FIELD CONFIRMED B' * ITEMS SUPPLIED BY CITY CONTRACTOR TO SUPPLY CABLES & CONDUIT FROM SUMP PUMPS OUTLETS IN COMMINUTOR ROOM VALVE PEDESTAL OPERATORS TO HAVE POSITION INDICATORS.			

	LOCATION APPROVED UNDERGROUND STRUCTURES	B.M. ELEV.					ENGINEER'S SEAL			
	LOCATIONS ARE EXACT CONFIRMATION OF					DESIGNED NC	CHECKED NC	IC	ORIGINAL SIGNED BY N.M. CONTI 15/09/25	
METRIC						DRAWN BY RS	ADDROVED	IC		
WHOLE NUMBERS INDICATE MILLIMETRES DECIMALIZED NUMBERS INDICATE METRES					xxx	SCALE: HORIZONTAL NTS VERTICAL NTS	RELEASED FOR CONSTRUCTION		CONSULTANT DRAWING NUMBER	
		NO.	REVISIONS	DATE	BY	DATE 2015 09 25	DATE		_	

FILE PATH: R:\DRAWINGS\SEWER\2015 RENEWALS\LIFT STATIONS\FILE NAME: FERRY.dwg

2015 COMMINUTOR CHAMBER PIPING &

VALVE UPGRADES

FERRY LIFT STATION

FERRY ROAD & ASSINIBOINE

Winnipeg

BID OPPORTUNITY: 822-2015

THE CITY OF WINNIPEG

WATER AND WASTE DEPARTMENT ENGINEERING DIVISION

SHEET 7 OF 11

1-0141L-M0001-001

CITY DRAWING NUMBER