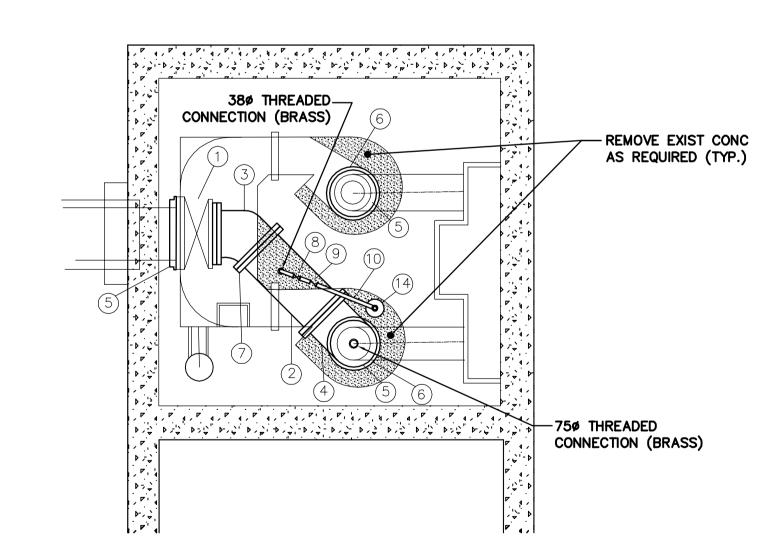
MANUAL OPERATOR GEARBOX WITH 50 X 50 — AWWA OPERATING NUT 500 GATE VALVE OPERATING PEDESTAL SS GATE STEM GUIDES SPACED AS REQUIRED BY GATE -MANUFACTURER (2 MIN) -38¢ RIGID PIPE REMOVE EXIST GATE -VALVE AND INSTALL REINFORCED CONC HEADWALL - GROUT AROUND PIPE REMOVE EXIST CONC — FLANGE TO SECURE AS REQUIRED (TYP.) & SEAL (TYP.) - BOLT FLANGE TO EXIST CONC AND REMOVE EXIST CONC AS-REQUIRED TO SIDE VIEW ALLOW TRANSITION FROM 5000 TO 4250



M

FRONT VIEW

GROUT FLANGE BOLTS -

IN CONC (TYP)

-BOLT FLANGE TO EXIST CONC AND

AS-REQUIRED

REMOVE EXIST. CONC

-- INSTALL CONC REINFORCED HEADWALL

CONSTRUCTION NOTES:

- 1. ALLOWABLE SHUTDOWN TIME: MAX. 23.0 HRS OR AS DETERMINED BY COLLECTIONS STAFF
- 2. CRITICAL BASEMENT ELEVATION: 229.622
- 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. INSTALL MECHANICAL WORKS AS INDICATED AND ACCORDING TO MANUFACTURER'S SPECIFICATIONS. 6. EXCAVATIONS TO BE BACKFILLED WITH CLASS 3 OR CLASS 5 BACKFILL IN ACCORDANCE WITH CW 2030 AND SD-002.
- 7. FLANGE NUTS & BOLTS TO BE ASTM A307.
- 8. GASKETS TO BE FULL FACED, 3 THICK RED RUBBER.
- 9. CONTRACTOR TO CONFIRM ALL DIMENSIONS BEFORE ASSEMBLING PIPE.
- 10. ALL ANCHOR BOLTS TO BE ASTM A276 TYPE 316 SS.

MATERIALS LIST

ITEM	DESCRIPTION	ENDS	LENGTH	QUANTITY
1	* 5000 NON RISING STEM GATE VALVES W/PEDESTAL OPERATORS	FL	3903±	1
2	500Ø PIPE	FL+PE	893±	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	500¢ UNI-FLANGE	_	-	1
8	38¢ GATE VALVE	_	_	1
9	38¢ CHECK VALVE	_	-	1
10	38ø TYPE 316 SS PIPE	_	_	1
11)	75ø ONE WAY AIR VALVE	_	_	1
12	75ø CHECK VALVE	_	-	1
13	75ø TYPE 316 SS PIPE	_	_	1
14)	110V, MIN 1/3 HP, SUMP PUMP W/FLOAT SWITCH	_	_	1

NOTE: LENGTHS & DIMENSIONS SHOWN AS ± TO BE FIELD CONFIRMED BY CONTRACTOR

* ITEMS SUPPLIED BY CITY

- CONTRACTOR TO SUPPLY CABLES & CONDUIT FROM SUMP PUMPS TO ELECTRICAL OUTLETS IN COMMINUTOR ROOM

- VALVE PEDESTAL OPERATORS TO HAVE POSITION INDICATORS.

TOP	VIEW
IUP	VIEVV

LOCATION APPROVED UNDERGROUND STRUCTURES B.M. ELEV.								ENGINEER'S SEAL ORIGINAL SIGNED	
SUPV. U/G STRUCTURES DATE									BY N.M. CONTI
COMMITTEE					DESIGNED NC		CHECKED BY	NC	15/09/25
NOTE:					DRAWN		APPROVED		
LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION					BY RS		BY	NC	
AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF					SCALE: HORIZONTAL NTS		RELEASED FOR CONSTRUCTION		CONSULTANT DRAWING NUMBER
EXISTENCE AND EXACT. CONFIRMATION OF EXISTENCE AND EXACT. LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL					vertical NTS			CONSULTANT DRAWING NUMBER	
UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.	NO.	REVISIONS	DATE	BY	DATE 2015 09	25	DATE		-

Winnipeg

THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT

ENGINEERING DIVISION

2015 COMMINUTOR CHAMBER PIPING & VALVE UPGRADES CONWAY LIFT STATION

CITY DRAWING NUMBER

1-0131L-M0001-001

SHEET **5** OF **11**

CONWAY STREET & PORTAGE AVENUE

FILE PATH: R:\DRAWINGS\SEWER\2015 RENEWALS\LIFT STATIONS\FILE NAME: CONWAY.dwg PLOT DATE: 2015 09 25 BID OPPORTUNITY: 822-2015

METRIC WHOLE NUMBERS INDICATE MILLIMETRES DECIMALIZED NUMBERS INDICATE METRES