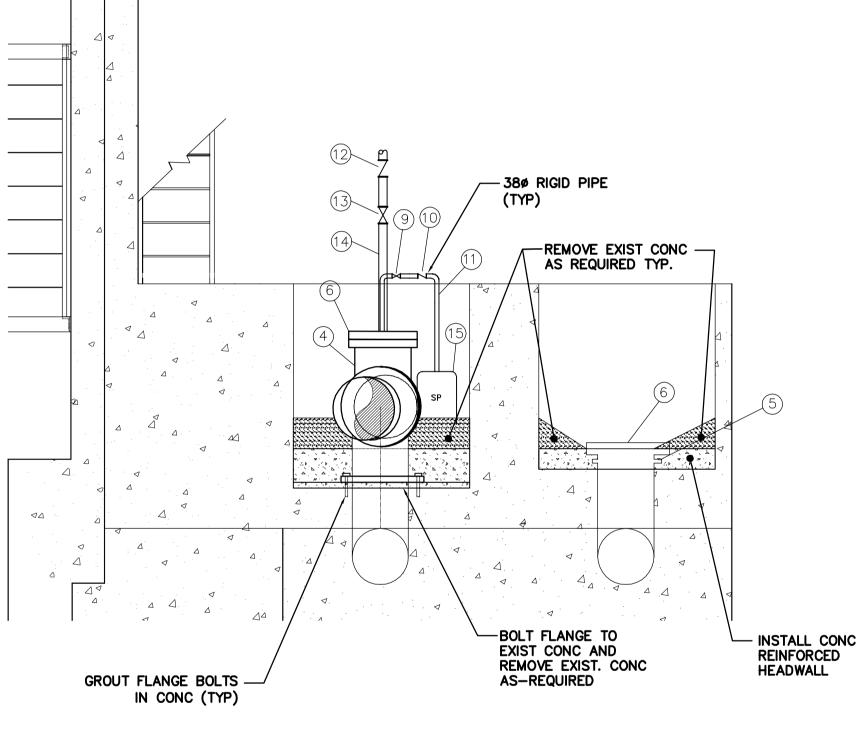


	_						
ON APPROVED Round structures	B.M. ELEV.						ENGINEER'S SEAL
							ORIGINAL SIGNED
URES DATE							BY N.M. CONTI
					DESIGNED BY NC	CHECKED NC	15/09/25
NDERGROUND STRUCTURES AS ED ON THE BEST INFORMATION					DRAWN BY RS	APPROVED NC	_
GUARANTEE IS GIVEN THAT ALL					SCALE:	RELEASED FOR	
ARE SHOWN OR THAT THE GIVEN RE EXACT. CONFIRMATION OF D EXACT LOCATION OF ALL					HORIZONTAL NTS VERTICAL NTS	CONSTRUCTION	CONSULTANT DRAWING NUMBER
OBTAINED FROM THE INDIVIDUAL PROCEEDING WITH CONSTRUCTION.	NO.	REVISIONS	DATE	BY	DATE 2015 09 25	DATE	_
					PLOT DATE: 2015 09 25		BID OPPORTUNITY: 822-2015



CONSTRUCTION NOTES:

- AND FITTINGS AS SHOWN.

MATERIALS LIST

ITEM	DESCRIPTION	ENDS	LENGTH	QUANTITY		
	* 500Ø NON RISING STEM GATE VALVES W/PEDESTAL OPERATORS	FL	6781±	1		
2	500Ø PIPE	FL+PE	352±	1		
3	5000 CAST IRON 22.5 BEND	FL	_	1		
4	5000 CAST IRON TEE	FL	_	1		
5	500Ø DI FLANGED WALL THIMBLE	_	_	2		
6	5000 DI BLIND FLANGE	_	_	2		
7	500Ø UNI-FLANGE	_	-	1		
8	500Ø PIPE	FL	327±	1		
9	38ø GATE VALVE	_	_	1		
10	38ø CHECK VALVE	-	-	1		
(11)	380 TYPE 316 SS PIPE	_	_	1		
(12)	75ø ONE WAY AIR VALVE	-	_	1		
(13)	75ø CHECK VALVE	_	-	1		
14)	75ø TYPE 316 SS PIPE	_	-	1		
(15)	110V, MIN 1/3 HP, SUMP PUMP W/FLOAT SWITCH	_	_	1		
NOTE	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.					

FRONT VIEW

1. ALLOWABLE SHUTDOWN TIME: MAX. 42.0 HRS OR AS DETERMINED BY COLLECTIONS STAFF.

2. CRITICAL BASEMENT ELEVATION: 226.543

3. REMOVE EXISTING CONCRETE PIPING, FITTINGS, AND OTHER MATERIALS AS REQUIRED. INSTALL NEW, PIPING, VALVES

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

5. INSTALL MECHANICAL WORKS AS INDICATED AND ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

6. FLANGE NUTS & BOLTS TO BE ASTM A307.

7. GASKETS TO BE FULL FACED, 3 THICK RED RUBBER.

8. CONTRACTOR TO CONFIRM ALL DIMENSIONS BEFORE ASSEMBLING PIPE.

9. ALL ANCHOR BOLTS TO BE ASTM A276 TYPE 316 SS.

IED ITI	Winnipeg THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION							
	2015 COMMINUTOR CHAMBER PIPING & VALVE UPGRADES	SHEET 3 OF 11 CITY DRAWING NUMBER						
R	COCKBURN LIFT STATION COCKBURN STREET S & CHURCHILL DRIVE	1-0127L-M001-001						
	FILE PATH: R:\DRAWINGS\SEWER\2015 RENEWALS\LIFT STATIONS\ FILE NAME: COCKBURN.dwg							