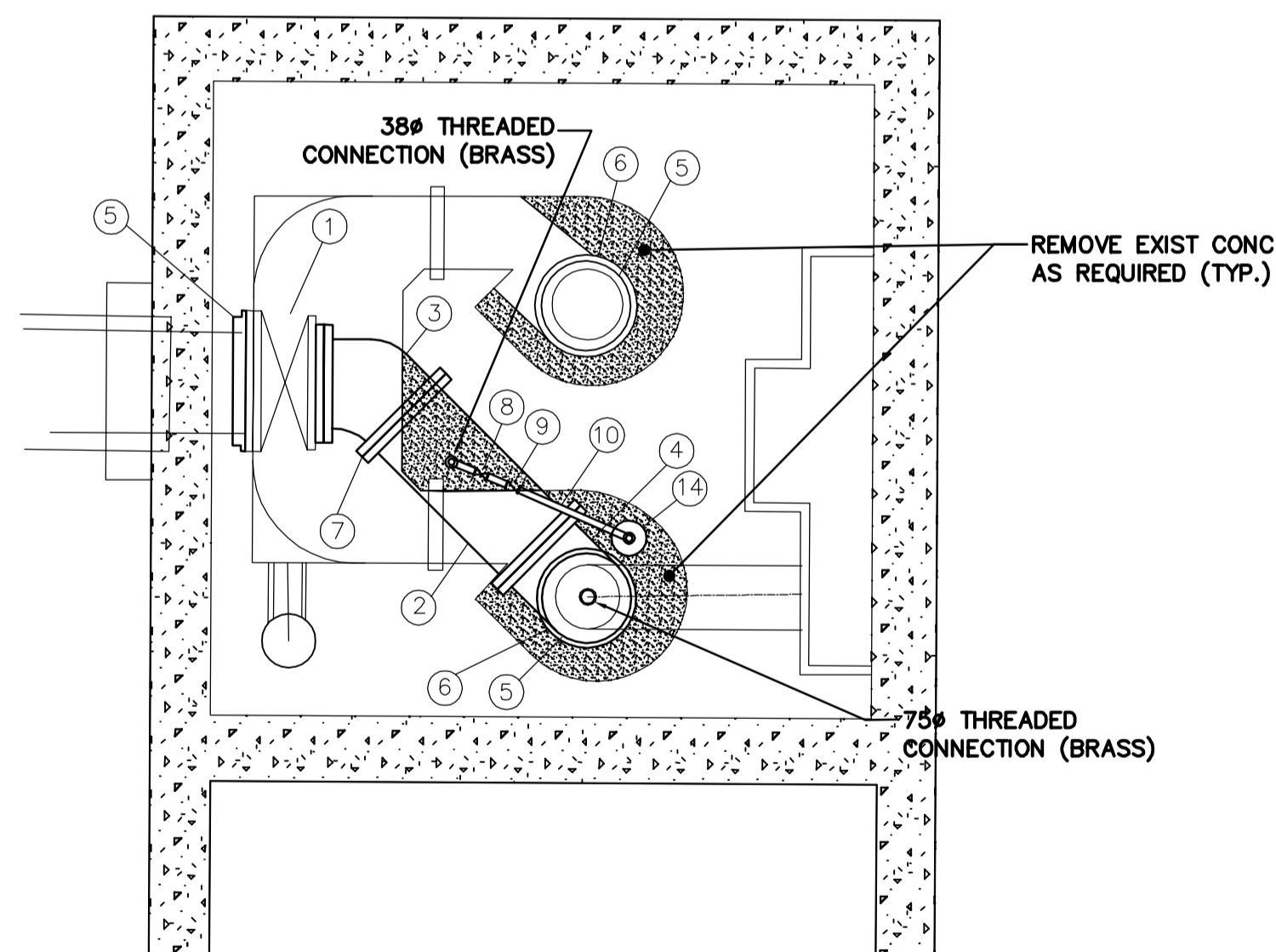
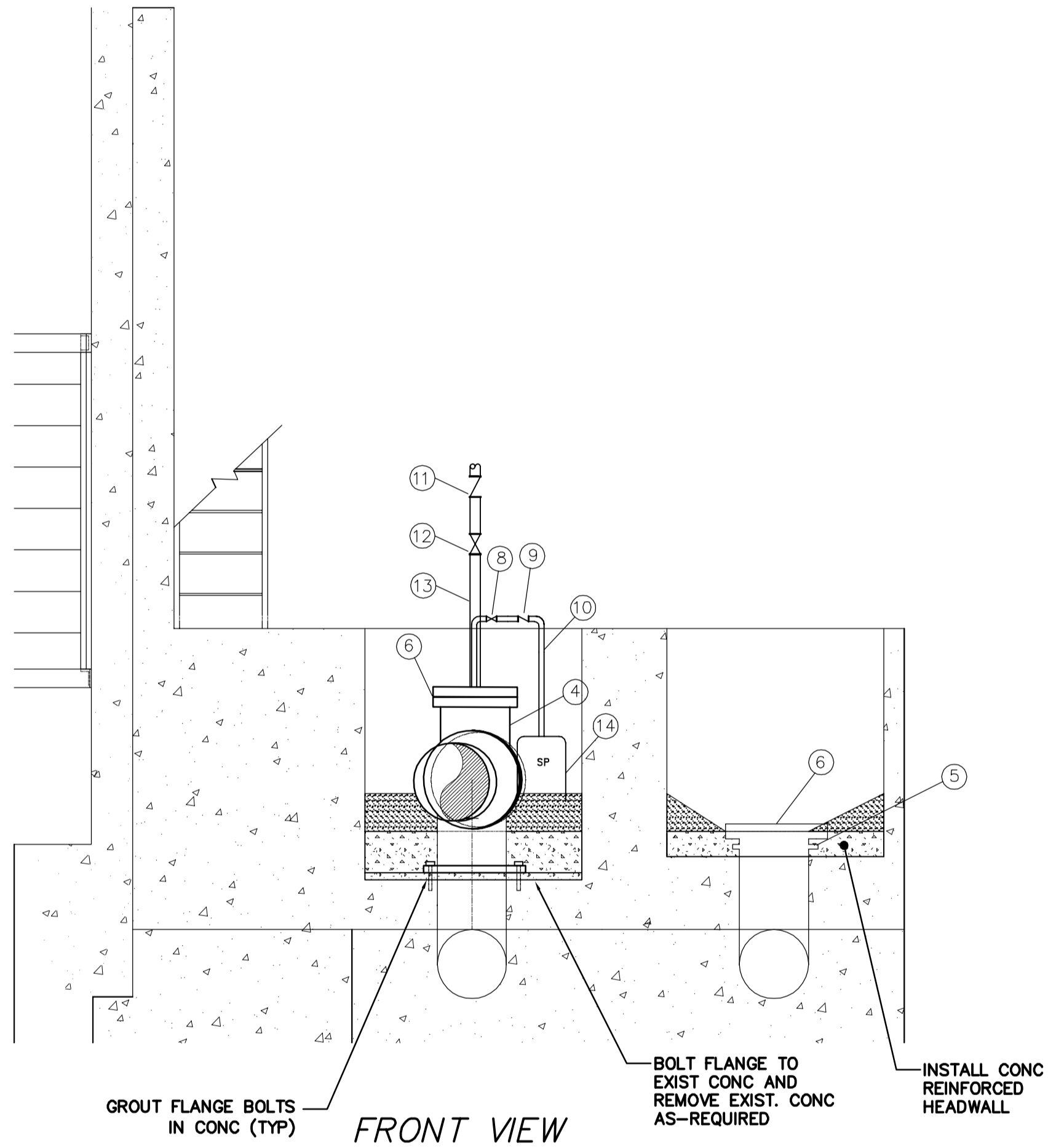


SIDE VIEW



TOP VIEW



FRONT VIEW

CONSTRUCTION NOTES:

1. ALLOWABLE SHUTDOWN TIME: MAX. 45.0 HRS OR AS DETERMINED BY COLLECTIONS STAFF
2. CRITICAL BASEMENT ELEVATION: 229.228
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	• 500Ø NON RISING STEM GATE VALVES W/PEDESTAL OPERATORS	FL	3462±	1
②	500Ø PIPE	FL+PE	1107±	1
③	500Ø CAST IRON 45° BEND	FL	-	1
④	500Ø CAST IRON TEE	FL	-	1
⑤	500Ø DI FLANGED WALL THIMBLE	-	-	2
⑥	500Ø DI BLIND FLANGE	-	-	2
⑦	500Ø UNI-FLANGE	-	-	1
⑧	38Ø GATE VALVE	-	-	1
⑨	38Ø 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 COMMUNOTOR ROOM
 - VALVE PEDESTAL OPERATORS TO HAVE POSITION INDICATORS.

METRIC
 WHOLE NUMBERS INDICATE MILLIMETRES
 DECIMALIZED NUMBERS INDICATE METRES

<p style="text-align: center;">LOCATION APPROVED UNDERGROUND STRUCTURES</p> <p>SUPV. U/G STRUCTURES COMMITTEE _____ DATE _____</p> <p>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.</p>	<p>B.M. ELEV.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table>																					<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>DESIGNED BY</td> <td>NC</td> <td>CHECKED BY</td> <td>NC</td> </tr> <tr> <td>DRAWN BY</td> <td>RS</td> <td>APPROVED BY</td> <td>NC</td> </tr> <tr> <td>SCALE:</td> <td>HORIZONTAL NTS</td> <td>RELEASED FOR CONSTRUCTION</td> <td> </td> </tr> <tr> <td> </td> <td>VERTICAL NTS</td> <td>DATE</td> <td> </td> </tr> <tr> <td> </td> <td>DATE</td> <td>2015 09 25</td> <td> </td> </tr> <tr> <td> </td> <td>DATE</td> <td> </td> <td> </td> </tr> </table> <p>PLOT DATE: 2015 09 25</p>	DESIGNED BY	NC	CHECKED BY	NC	DRAWN BY	RS	APPROVED BY	NC	SCALE:	HORIZONTAL NTS	RELEASED FOR CONSTRUCTION			VERTICAL NTS	DATE			DATE	2015 09 25			DATE			<p>ENGINEER'S SEAL</p> <p>ORIGINAL SIGNED BY N.M. CONTI 15/09/25</p> <p>CONSULTANT DRAWING NUMBER -</p>	<p>THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION</p> <p>2015 COMMUNOTOR CHAMBER PIPING & VALVE UPGRADES RIVERBEND LIFT STATION LANE WEST OF RIVERBEND CRESCENT AND PORTAGE AVENUE</p>	<p>SHEET 11 OF 11</p> <p>CITY DRAWING NUMBER</p> <p>1-0178L-M0001-001</p>
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