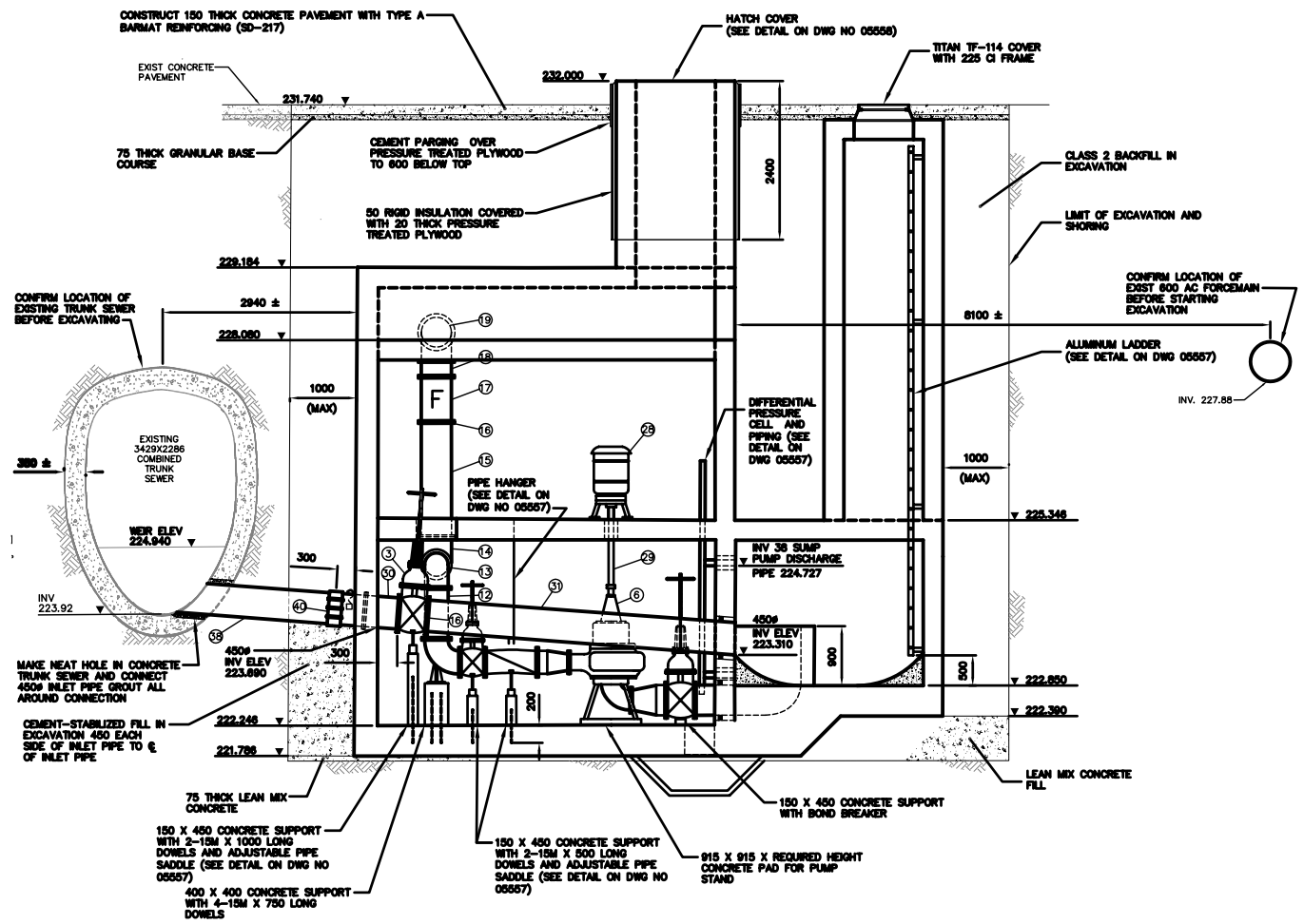


PLAN VIEW ELEV 224.500
SCALE: 1:50

ITEM	DESCRIPTION	ENDS	LENGTH	QUANTITY
1	RUBBER MODULAR SEAL FOR 450M DI PIPE "MODEL OS - 316 LINK SEAL" OR APPROVED EQUAL	-	-	2
2	450M CLASS 52 DUCTILE IRON INLET PIPE	FL X PE	600	2
3	450M CAST IRON WEDGE GATE VALVE WITH BRONZE TRIM 3/4" S.S. Y RISING STEM AND HANDWHEEL	FL X FL	432	3
4	450M REMOVABLE FLANGE - "SERIES 400S UNI-FLANGE" OR APPROVED EQUAL	-	-	2
5	450M X 300M FABRICATED SCH 80 STEEL REDUCER	FL(300) X PE(450)	530	2
6	** INGERSOLL - DRESSER PUMP MODEL 10FY-16	FL X FL	940	2
7	350M X 250M FABRICATED SCH 80 STEEL REDUCER	FL(250) X PE(350)	480	2
8	350M REMOVABLE FLANGE - "SERIES 400-S UNI-FLANGE" OR APPROVED EQUAL	-	-	2
9	350M CAST IRON CHECK VALVE WITH RUBBER FLAP "VAL-MATIC" OR APPROVED EQUAL	FL X FL	790	2
10	300M CAST IRON WEDGE GATE VALVE WITH BRONZE TRIM 3/4" S.S. Y RISING STEM AND HANDWHEEL	FL X FL	380	3
11	350M 90° CAST IRON BASE ELBOW	FL X FL	355	2
12	350M CLASS 52 DI FILLER PIPE	FL X FL	769 ±	1
13	350M 90° CI ELBOW	FL X FL	356 (* TO FL)	1
14	450M450X450 CI TEE	FL X FL	420 (* TO FL)	1
15	450M CLASS 52 DI FILLER PIPE	FL X PE	1735 ±	1
16	450M REMOVABLE FLANGE - "SERIES 400C UNI-FLANGE" OR APPROVED EQUAL	-	-	6
17	* 450M ROSEMOUNT FLOW METER	FL X FL	685	1
18	450M CLASS 52 DI FILLER PIPE	FL X FL	238 ±	1
19	450M 90° CI ELBOW	FL X FL	420 (* TO FL)	2
20	350M CLASS 52 DI FILLER PIPE	FL X FL	220 ±	1
21	350M CLASS 52 DI FILLER PIPE	FL X FL	543 ±	1
22	450M X 350M CI CONCENTRIC REDUCER	FL X FL	482	2
23	450M CLASS 52 DI FILLER PIPE	FL X PE	1248 ±	1
24	450M CLASS 52 DI FILLER PIPE	FL X PE	1050 ±	1
25	450M SCH 40 STEEL FABRICATED BEND	FL X FL	970 *	1
26	450M CLASS 52 DI FILLER PIPE	FL X PE	1425 ±	1
27	450M CLASS 52 DI FILLER PIPE	FL X PE	1033 ±	1
28	** MARATHON ELECTRIC TYPE VSS 75 HP, 3 PH, 60 HZ 575 VOLT MOTOR	-	-	2
29	HOLLOW STEEL DRIVE SHAFT WITH EXPANDED METAL GUARD	-	AS REQD ±	2
30	450M CLASS 52 DI FILLER PIPE	FL X FL	450	1
31	450M CLASS 52 DI FILLER PIPE	PE X PE	4670 ±	1
32	450M CAST IRON WEDGE GATE VALVE WITH BRONZE TRIM 3/4" S.S. Y RISING STEM AND HANDWHEEL	FL X FL	381	1
33	450M REMOVABLE FLANGE - "SERIES 400C UNI-FLANGE" OR APPROVED EQUAL	-	-	1
34	450M CLASS 52 DI FILLER PIPE	FL X PE	870 ±	1
35	400M 22.5° CI ELBOW	FL X FL	203 (* TO FL)	1
36	400M CLASS 52 DI FILLER PIPE	FL X PE	850 ±	1
37	** DIFFERENTIAL PRESSURE CELL	FL	-	1
38	450M ANMA 905 CL150 PVC FILLER PIPE	PE X PE	2500 ±	1
39	450M CLASS 52 DI FILLER PIPE	PE X FL	450	1
40	450M CI FLEXIBLE ADAPTER COUPLING	-	-	1

ITEMS MARKED * WILL BE PROVIDED BY CITY
ITEMS MARKED ** TO BE RE-USED FROM EXISTING PUMPING STATION



SECTION D-D
SCALE: 1:50

- CONSTRUCTION NOTES:
- FOR BUILDING DIMENSIONS SEE DRAWING NO'S 05550, 05551, 05552 & 05553.
 - SEE DRAWING NO'S 208, 209A, 768, & 769 FOR EXISTING STATION DIMENSIONS AND DETAILS.
 - SEE DRAWING NO. 4172 FOR EXISTING PUMPING STATION PIPING DETAILS.
 - ALL NUTS, BOLTS ANCHORS TO BE ASTM A276 TYPE 316 EXCEPT FLANGE NUTS AND BOLTS.
 - FLANGE NUTS AND BOLTS TO BE ASTM A307.
 - DIMENSIONS SHOWN AS ± TO BE CONFIRMED BY CONTRACTOR.
 - PIPE AND FITTING LENGTHS SHOWN ARE FACE TO FACE AND DO NOT INCLUDE GASKET THICKNESS.
 - GASKETS TO BE 3 mm THICK, FULL FACED, RED RUBBER.
 - GROUT ANNULAR SPACE AROUND PIPE AT EXTERIOR WALL FACE IN CORE HOLES WITH 'LINK SEAL' OR APPROVED EQUAL.

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

WARNING
IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR
LOCATION OF EXCAVATION.
1) NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
2) TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.
SEE PROVINCIAL REGULATION 210/72 FOR DETAILS

B.M. ELEV.	FIELD BOOK #	CITY OF WINNIPEG WATER AND WASTE ENGINEERING DIVISION		ENGINEER'S SEAL	THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT
POSTED TO LBIS		DESIGNED BY TW	CHECKED BY TW	ORIGINAL SIGNED BY K.R. ZUREK 05/02/10	
		DRAWN BY WKT/CJH	APPROVED BY KZ		2005 MAGER DRIVE WASTEWATER PUMPING STATION EXPANSION MECHANICAL PIPING PLAN AND SECTION VIEWS
		HOR. SCALE 1:50	RELEASED FOR CONSTRUCTION		SHEET 7 OF 12 CITY DRAWING NUMBER 05555
		VERTICAL			
NO. REVISIONS	DATE	BY	DATE	2005 02 24	