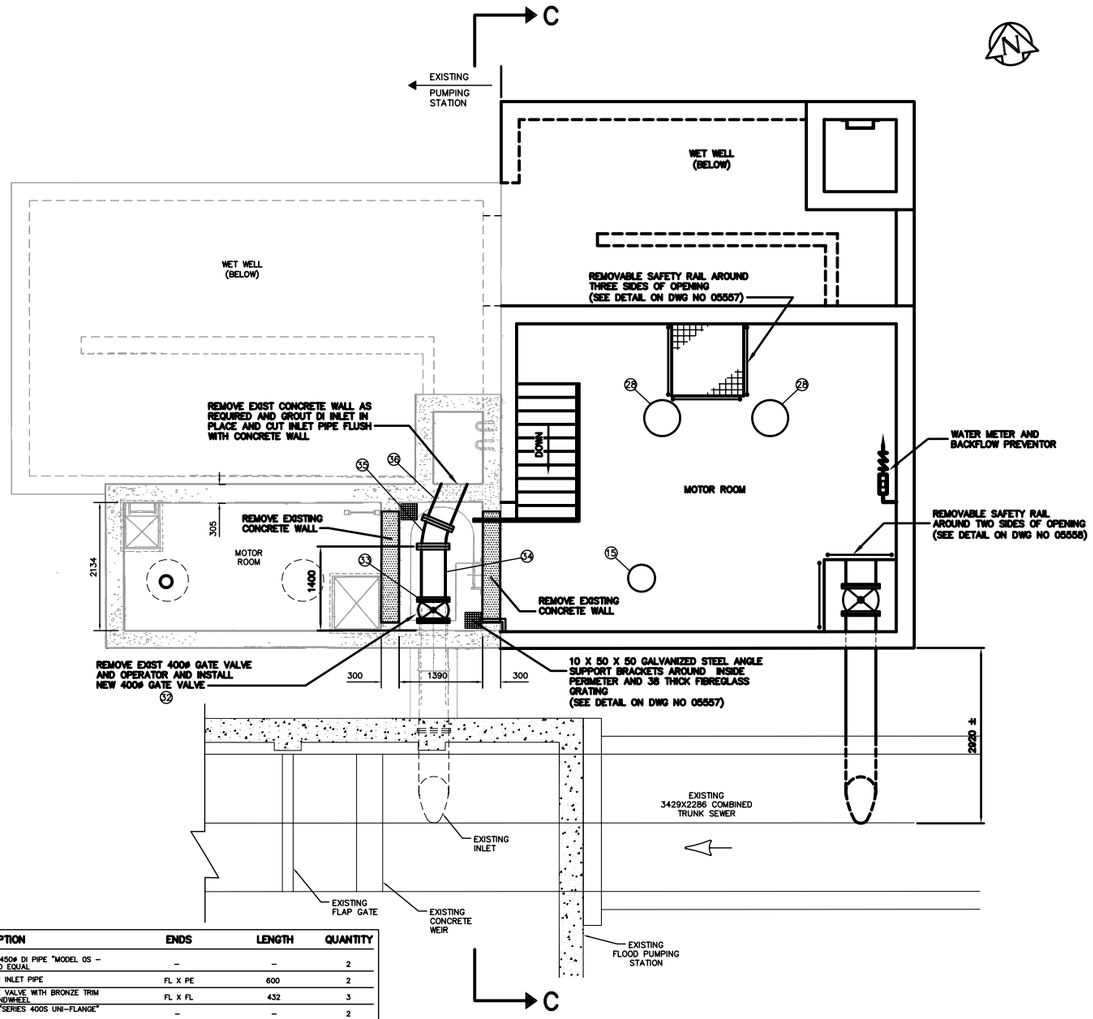
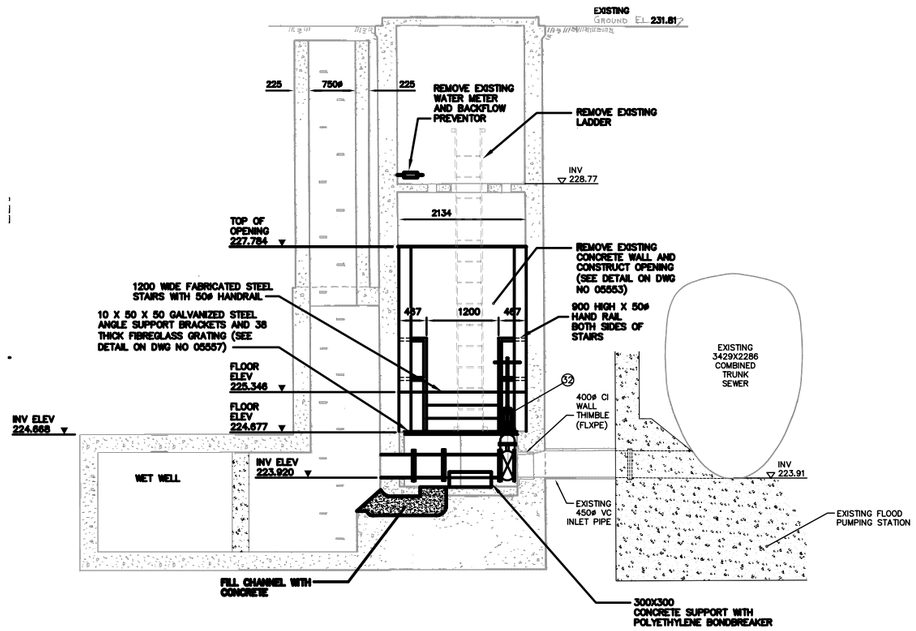


PLAN VIEW ELEV 226.0

SCALE: 1:50



SECTION C–C

SCALE: 1:50

ITEM		DESCRIPTION	ENDS	LENGTH	QUANTITY
1		RUBBER MODULAR SEAL FOR 450ø DI PIPE "MODEL OS – 316 LINK SEAL" OR APPROVED EQUAL	–	–	2
2		450ø CLASS 52 DUCTILE IRON INLET PIPE	FL X PE	600	2
3		450ø CAST IRON WEDGE GATE VALVE WITH BRONZE TRIM O. S+Y. RISING STEM AND HANDWHEEL	FL X FL	432	3
4		450ø REMOVABLE FLANGE – "SERIES 400S UNI–FLANGE" OR APPROVED EQUAL	–	–	2
5		450ø X 300ø FABRICATED SCH 80 STEEL REDUCER	FL(300) X PE(450)	530	2
6	**	INGERSOLL – DRESSER PUMP MODEL 10FV–16	FL X FL	940	2
7		350ø X 250ø FABRICATED SCH 80 STEEL REDUCER	FL(250) X PE(350)	480	2
8		350ø REMOVABLE FLANGE – "SERIES 400–S UNI–FLANGE" OR APPROVED EQUAL	–	–	2
9		350ø CAST IRON CHECK VALVE WITH RUBBER FLAP "VAL–MATIC" OR APPROVED EQUAL	FL X FL	790	2
10		300ø CAST IRON WEDGE GATE VALVE WITH BRONZE TRIM O. S+Y. RISING STEM AND HANDWHEEL	FL X FL	380	3
11		350ø 90° CAST IRON BASE ELBOW	FL X FL	355	2
12		350ø CLASS 52 DI FILLER PIPE	FL X FL	769 ±	1
13		350ø 90° CI ELBOW	FL X FL	356 (℄ TO FL)	1
14		450X450X450 CI TEE	FL X FL	420 (℄ TO FL)	1
15		450ø CLASS 52 DI FILLER PIPE	FL X PE	1735 ±	1
16		450ø REMOVABLE FLANGE – "SERIES 400C UNI–FLANGE" OR APPROVED EQUAL	–	–	6
17	*	450ø ROSEMOUNT FLOW METER	FL X FL	685	1
18		450ø CLASS 52 DI FILLER PIPE	FL X FL	238 ±	1
19		450ø 90° CI ELBOW	FL X FL	420 (℄ TO FL)	2
20		350ø CLASS 52 DI FILLER PIPE	FL X FL	220 ±	1
21		350ø CLASS 52 DI FILLER PIPE	FL X FL	543 ±	1
22		450ø X 350ø CI CONCENTRIC REDUCER	FL X FL	482	2
23		450ø CLASS 52 DI FILLER PIPE	FL X PE	1248 ±	1
24		450ø CLASS 52 DI FILLER PIPE	FL X PE	1050 ±	1
25		450ø SCH 40 STEEL FABRICATED BEND	FL X FL	970 *	1
26		450ø CLASS 52 DI FILLER PIPE	FL X PE	1425 ±	1
27		450ø 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 REQ'D ±	2
30		450ø CLASS 52 DI FILLER PIPE	FL X FL	450	1
31		450ø CLASS 52 DI FILLER PIPE	PE X PE	4670 ±	1
32		400ø CAST IRON WEDGEGATE VALVE WITH BRONZE TRIM, O. S & Y. RISING STEM AND HAND WHEEL	FL X FL	381	1
33		400ø REMOVABLE FLANGE – "SERIES 400C UNI–FLANGE" OR APPROVED EQUAL	–	–	1
34		400ø CLASS 52 DI FILLER PIPE	FL X PE	870 ±	1
35		400ø 22.5° CI ELBOW	FL X FL	203 (℄ TO FL)	1
36		400ø CLASS 52 DI FILLER PIPE	FL X PE	850 ±	1
37	**	DIFFERENCIAL PRESSURE CELL	FL	–	1
38		450ø AWWA 905 CL150 PVC FILLER PIPE	PE X PE	2500±	1
39		450ø CLASS 52 DI FILLER PIPE	PE X FL	450	1
40		450ø CI FLEXIBLE ADAPTER COUPLING	–	–	1

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

CONSTRUCTION NOTES:

1. FOR BUILDING DIMENSIONS SEE DRAWING NO'S 05550, 05551, 05552 & 05553.
2. SEE DRAWING NO'S 208, 209A, 768, & 769 FOR EXISTING STATION DIMENSIONS AND DETAILS.
3. SEE DRAWING NO. 4172 FOR EXISTING PUMPING STATION PIPING DETAILS.
4. ALL NUTS, BOLTS ANCHORS TO BE ASTM A276 TYPE 316 EXCEPT FLANGE NUTS AND BOLTS.
5. FLANGE NUTS AND BOLTS TO BE ASTM A307.
6. DIMENSIONS SHOWN AS ± TO BE CONFIRMED BY CONTRACTOR.
7. PIPE AND FITTING LENGTHS SHOWN ARE FACE TO FACE AND DO NOT INCLUDE GASKET THICKNESS.
8. GASKETS TO BE 3 mm THICK, FULL FACED, RED RUBBER.
9. 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

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 #:		
POSTED TO LBIS			
NO.	REVISIONS	DATE	BY

CITY OF WINNIPEG
WATER AND WASTE
ENGINEERING DIVISION

DESIGNED BY	TW	CHECKED BY	TW
DRAWN BY	WKT/CJH	APPROVED BY	KZ
HOR. SCALE	1:50	RELEASED FOR CONSTRUCTION	
VERTICAL			
DATE	2005 02 15	DATE	

ENGINEER'S SEAL

ORIGINAL SIGNED BY K.R. ZUREK 05/02/10

BID OPPORTUNITY: 52–2005
FILENAME: MAGER_PS_DWG1_DWG2.dwg
PLOT DATE: 2005 02 15

Winnipeg

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

2005 MAGER DRIVE WASTEWATER PUMPING STATION EXPANSION
EXISTING PUMPING STATION MODIFICATIONS
PLAN AND SECTION VIEWS

SHEET 8 OF 12

CITY DRAWING NUMBER

05556