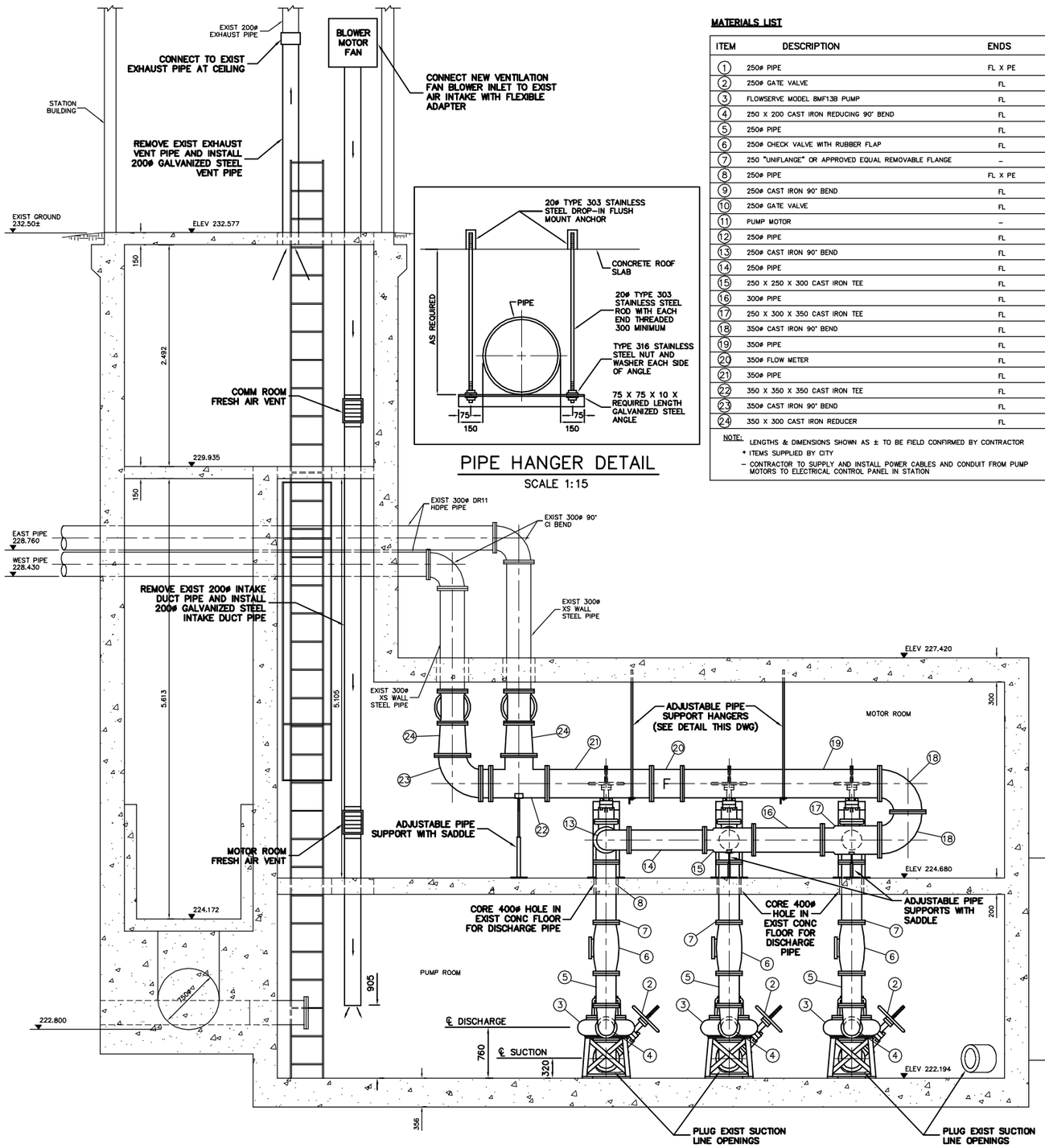


SECTION A–A

SCALE 1:30

PIPE HANGER DETAIL

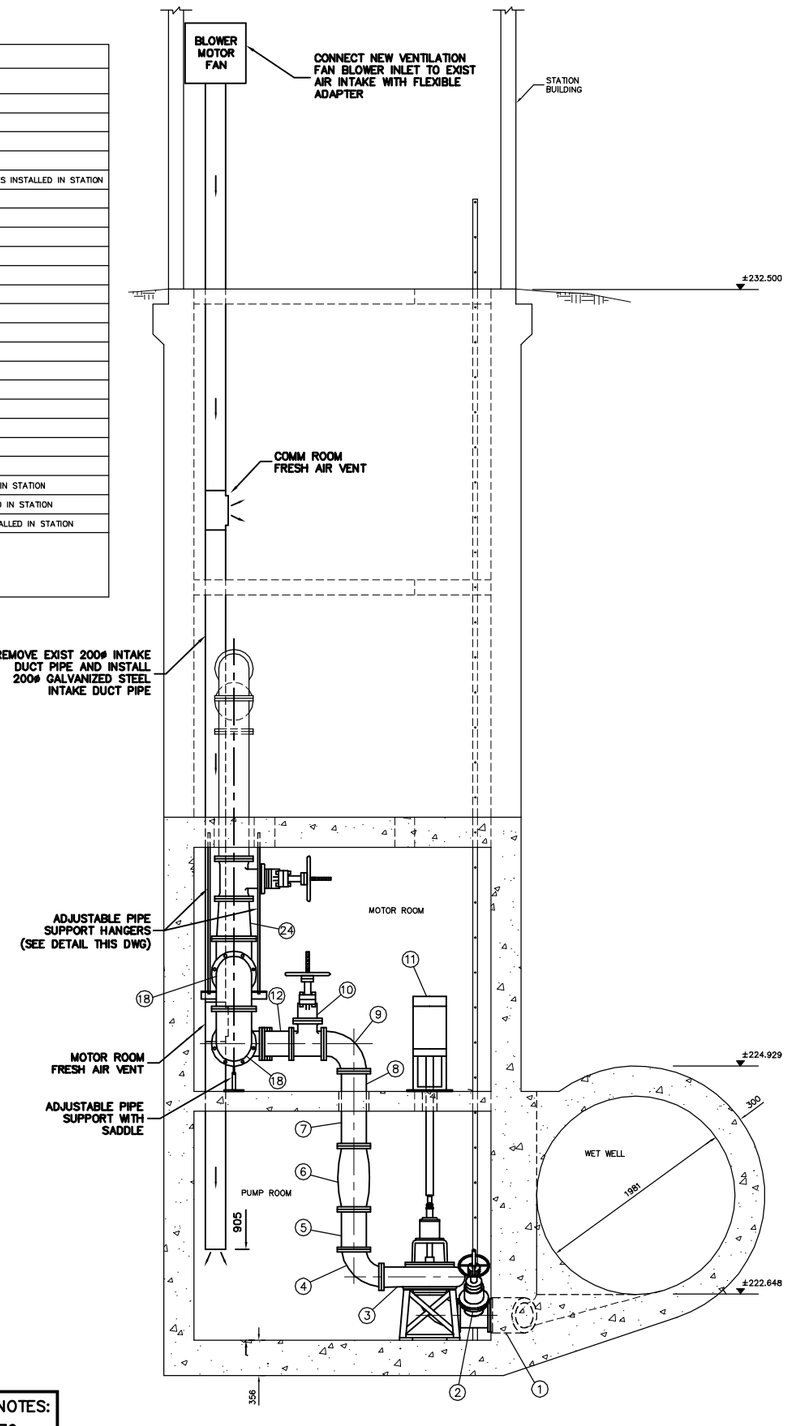
SCALE 1:15

MATERIALS LIST

ITEM	DESCRIPTION	ENDS	LENGTH	QUANTITY	NOTES
1	250ø PIPE	FL X PE	–	3	
2	250ø GATE VALVE	FL	–	3	
3	FLOWSERVE MODEL 8MF13B PUMP	FL	–	3 *	SUPPLIED BY CITY
4	250 X 200 CAST IRON REDUCING 90° BEND	FL	–	3	
5	250ø PIPE	FL	–	3	
6	250ø CHECK VALVE WITH RUBBER FLAP	FL	–	3	REUSE 2 EXISTING CHECK VALVES INSTALLED IN STATION
7	250 "UNIFLANGE" OR APPROVED EQUAL REMOVABLE FLANGE	–	–	3	
8	250ø PIPE	FL X PE	–	3	
9	250ø CAST IRON 90° BEND	FL	–	3	
10	250ø GATE VALVE	FL	–	3	
11	PUMP MOTOR	–	–	3 *	SUPPLIED BY CITY
12	250ø PIPE	FL	–	3	
13	250ø CAST IRON 90° BEND	FL	–	1	
14	250ø PIPE	FL	–	1	
15	250 X 250 X 300 CAST IRON TEE	FL	–	1	
16	300ø PIPE	FL	–	1	
17	250 X 300 X 350 CAST IRON TEE	FL	–	1	
18	350ø CAST IRON 90° BEND	FL	–	2	
19	350ø PIPE	FL	–	1	
20	350ø FLOW METER	FL	–	1	ROSEMOUNT OR ABB.
21	350ø PIPE	FL	–	1	
22	350 X 350 X 350 CAST IRON TEE	FL	–	1	REUSE EXISTING TEE INSTALLED IN STATION
23	350ø CAST IRON 90° BEND	FL	–	1	REUSE EXISTING BEND INSTALLED IN STATION
24	350 X 300 CAST IRON REDUCER	FL	–	2	REUSE EXISTING REDUCERS INSTALLED IN STATION

NOTE: LENGTHS & DIMENSIONS SHOWN AS ± TO BE FIELD CONFIRMED BY CONTRACTOR
* ITEMS SUPPLIED BY CITY
– CONTRACTOR TO SUPPLY AND INSTALL POWER CABLES AND CONDUIT FROM PUMP MOTORS TO ELECTRICAL CONTROL PANEL IN STATION

FOR CONSTRUCTION NOTES: SEE DRAWING 8670



SECTION B–B

SCALE 1:30

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

200 WM	WATERMAIN	200 WM	SL , HYDRO		150 WM	WATERMAIN	150 WM
HYDRANT	HYDRANT		MTS		HYDRANT		
VALVE	VALVE		TRAFFIC SIGNALS		VALVE		
525 LDS	LAND DRAINAGE SEWER	525 LDS	GAS	50 GAS	300 LDS	LAND DRAINAGE SEWER	300 LDS
375 WWS	WASTEWATER SEWER	375 WWS	SURVEY BAR		250 WWS	WASTEWATER SEWER	250 WWS
MANHOLE	MANHOLE		FENCE			℄ PROFILE	
CATCH BASIN	CATCH BASIN		POLE – HYDRO, MTS			GROUND ABOVE PIPE	
CURB INLET	CURB INLET		CURB STOP			℄ DITCH (NORTH & WEST)	
JUNCTIONS	JUNCTIONS		GUY ANCHOR			℄ DITCH (SOUTH & EAST)	
CULVERT	CULVERT		LIGHT STANDARD			GUTTER (NORTH & WEST)	
ANODE	ANODE		TREE			GUTTER (SOUTH & EAST)	
EXISTING	LEGEND–PLAN	PROPOSED	EXISTING	LEGEND–PLAN	PROPOSED	EXISTING	LEGEND–PROFILE	PROPOSED

LOCATION APPROVED
UNDERGROUND STRUCTURES

SUPV. U/G STRUCTURES COMMITTEE — DATE

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.

B.M. ELEV. | FIELD BOOK #

POSTED TO LBIS

NO.	REVISIONS	DATE	BY

CITY OF WINNIPEG
WATER AND WASTE
ENGINEERING DIVISION

DESIGNED BY	DB	CHECKED BY	TW
DRAWN BY	CJH	APPROVED BY	KZ
HOR. SCALE	1:250	RELEASED FOR CONSTRUCTION	
VERTICAL	1:50		
DATE	2008 08 01	DATE	

ENGINEER'S SEAL

ORIGINAL SIGNED BY K.R. ZUREK 08/08/01

BID OPPURTUNITY: 613–2008
FILENAME : 8671.dwg
PLOT DATE: 2008 08 01

Winnipeg

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

2008 PUMPING STATION UPGRADES

INSTALLATION OF NEW PUMPING UNITS AND MODIFICATIONS TO THE **ASH WASTEWATER PUMPING STATION**

SECTION VIEWS

SHEET 17 OF 17

CITY DRAWING NUMBER

8671