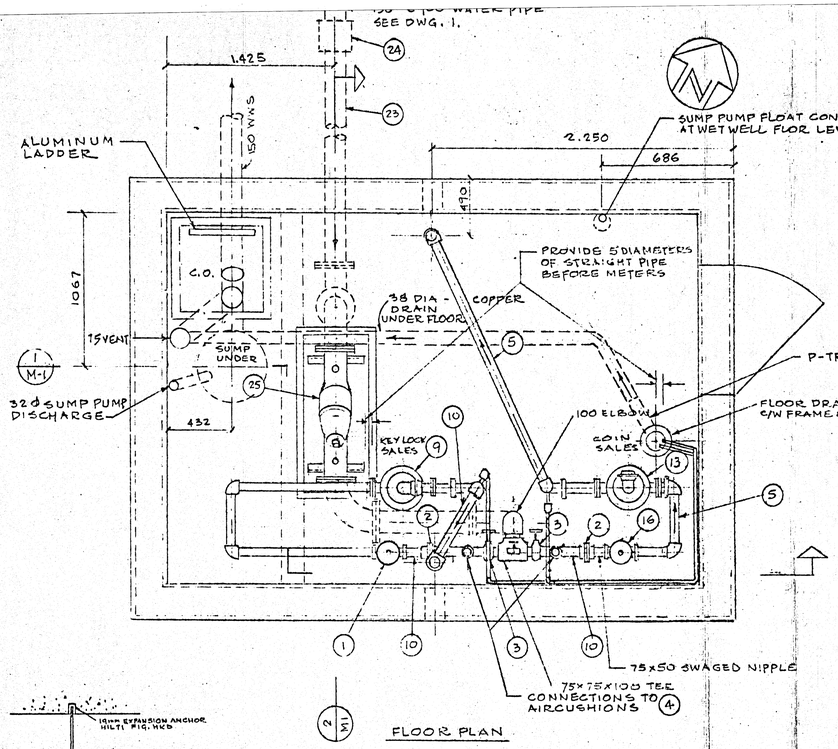

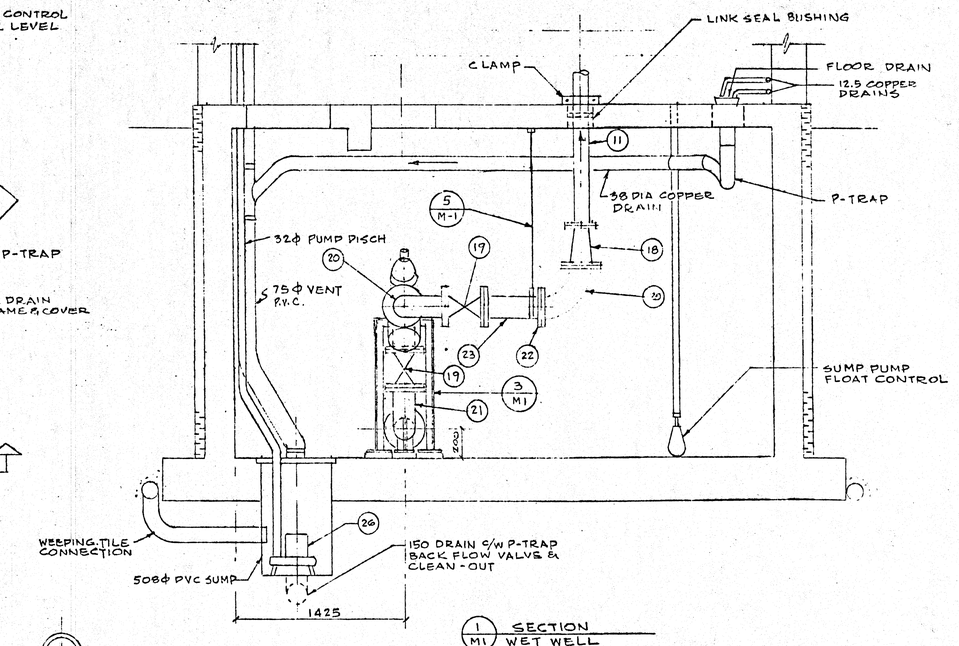

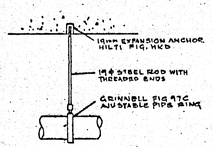

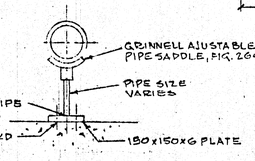

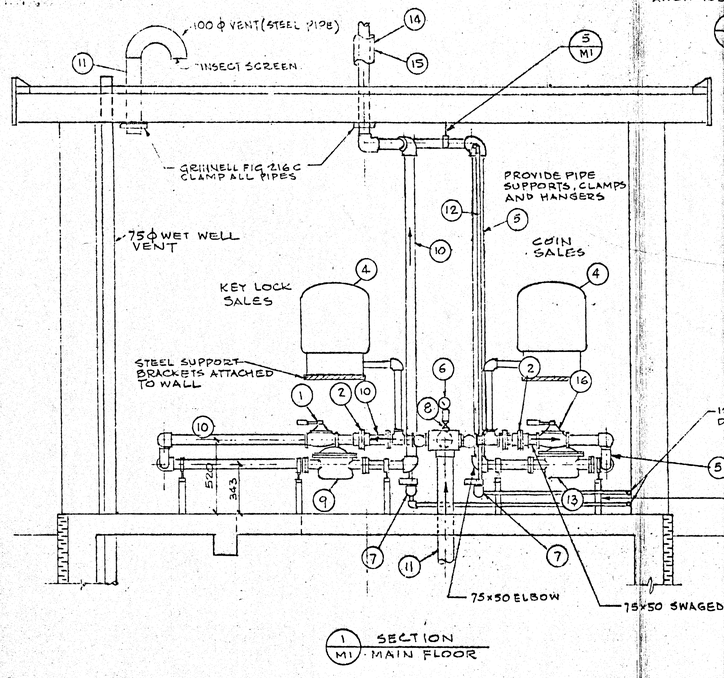

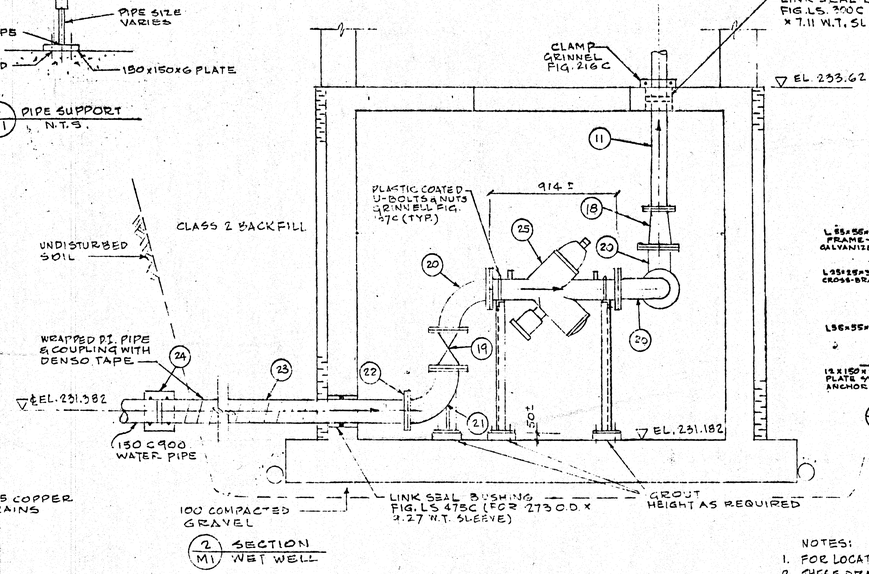

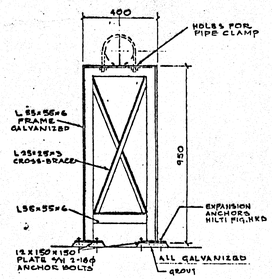

NOTES

PIPING LIST OF MATERIALS — PROJECT: 87036

NO.	DESCRIPTION	QUANTITY	REMARKS
1.	75mm SOLENOID OPERATED CONTROL VALVE GRISWOLD 41604 NC, SCREWED ENDS	1	ALSO SEE ELECT. #
2.	75mm SCREWED UNION 2000 SPS	2	
3.	75mm CRANE FIG 438 SCREWED GATE VALVE SCREWED ENDS	2	OR EQUAL
4.	AIR CUSHION MONARCH M 201, 690 kpa, MWP PRECHARGED TO 210 kpa	2	PRE-CHARGED TO 138 kpa
5.	50mm STEEL PIPE, SCH 40,	AS REQ'D	A 53 GR B
6.	PRESSURE GAUGE 0-700 kpa RANGE	3	6.25mm CONNECT'N
7.	12.5mm ASCO 2 WAY DIRECT ACTING SOLENOID VALVE	2	SEE ELECTRICAL #
8.	12mm GATE VALVE CRANE FIG 438 SCREWED ENDS	1	
9.	75mm ROCKWELL FIG W-350 OR CLASS 125 FLG ENDS WITH HIGH SPEED PICKUP REGISTER	1	IMPULSE PER GAL.# ALSO SEE ELECT.
10.	75mm STEEL PIPE, SCH 40	AS REQ'D	A 53 GR B
11.	100mm STEEL PIPE, SCH 40	AS REQ'D	A 53 GR B
12.	12.5mm STEEL PIPE, SCH 40	AS REQ'D	A 53 GR B
13.	50mm ROCKWELL FIG W-160 OR TURBINE WATER METER WITH CLASS 125 FLG ENDS WITH HIGH SPEED PICKUP REGISTER	1	IMPULSE PER GAL.# ALSO SEE ELECT.
14.	INSULATION		SEE SPECS
15.	ALUMINUM JACKET		SEE SPECS
16.	50mm SOLENOID OPERATED CONTROL VALVE GRISWOLD 41604, NC, SCREWED END	1	ALSO SEE ELECT. #
17.	100mm 125# C.I. FACE COMPANION FLANGE	1	C/W GASKETS BOLTS & NUTS
18.	150 x 100 REDUCER C.I. CLASS 125 GRINNEL FIG 825	1	C/W GASKETS BOLTS & NUTS
19.	150 AWWA GATE VALVE, ~~MC AWWA FIG 30668~~ WATTS 7001 C 125# FLANGES	2	C/W GASKETS BOLTS & NUTS

PIPING LIST OF MATERIALS (CONTINUED)

NO.	DESCRIPTION	QUANTITY	REMARKS
20.	150#, 90 DEG C.I. CLASS 125 LONG RADIUS ELBOW GRINNEL FIG 804 R	3	C/W GASKETS BOLTS & NUTS
21.	150#, 90 DEG C.I. CLASS 125 BASE ELBOW GRINNEL FIG 805	1	C/W GASKETS BOLTS & NUTS
22.	150 SLIP ON 150# WELD NECK FLANGE DRILLED FOR 125# C.I. FLAT FACE	3	C/W GASKETS BOLTS & NUTS
23.	150mm ~~STEEL~~ D.I.P. PIPE SCH 40	AS REQ'D	A 53 GR B
24.	150mm PVC TO STEEL PIPE ADAPTER COUPLING	1	SOBAR OR EQUAL
25.	150mm DOUBLE-CHECK VALVE BACKFLOW PREVENTOR ~~WILKINS MODEL 454~~, 125# FLG ENDS WATTS NO 709	1	C/W GASKETS & BOLTS
26.	1/2 HP SUMP PUMP MONARCH FIG 45-50 FM 31.25mm DISCHARGE CONNECTION C/W 3.0M OF POWER CORD	1	OR EQUAL
27.	50mm CHECK VALVE CRANE FIG 372 1/2 SCREWED ENDS	1	OR EQUAL
28.	50mm GATE VALVE FIG 490	1	OR EQUAL
29.	50mm SUMP PUMP DISCHARGE, PIPING PVC SCH 40	AS REQ'D	
30.	50mm RUBBER DISCHARGE HOSE GOODAL V-130	15M	

* THESE ITEMS SUPPLIED BY INSTRUMENTATION AND CONTROLS CONTRACTOR AND INSTALLED BY MECHANICAL CONTRACTOR

NO	REVISION/DESCRIPTION	BY	DATE
2	AS CONSTRUCTED	SS	5/10
1	GENERAL REVISION	SS	2/90

SEALS

DRAWN BY SS | CHECKED BY WPA | APPROVED

DATE 2/Aug/19, 89 | USER APPROVAL

THE CITY OF WINNIPEG
CIVIC PROPERTIES DEPARTMENT
4-180 KING ST. R3B 3G8

PROJECT

PUBLIC WATER SERVICE OUTLET
1539 WAVERLEY STREET
(DISTRICT NO. 6 YARD)

SHEET TITLE

PIPING LAYOUT

SCALE 1:20 | PROJECT NO | SHEET NO

(87036-M1)

NOTES:
1. FOR LOCATION OF OPENINGS SEE DWG-S1.
2. THESE DRAWINGS SHOW ALL MAJOR FITTINGS AND VALVES, THE CONTRACTOR IS RESPONSIBLE FOR ALL SUPPLY OF FITTINGS NIPPLES ETC. NOT ITEMIZED ON THE BILL OF MATERIALS.

MECHANICAL PIPING INSTALLED BY WWWD. 1989/90

MANENGCO ENGINEERING
Telephone 885-7251 Winnipeg, Manitoba

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SW-3749

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