

PIPING FIXTURE LEGEND

LETTER	PIPE	JOINT	DESCRIPTION
A	-	-	CONNECT TO EXISTING 20" PIPING
B	-	-	REMOVE EXISTING 20" BLIND FLANGE
C	-	-	PUMP BASE PLATE (SEE NOTE 2)
D	STEEL	FLG.	6"x3" CONCENTRIC REDUCER
E	STEEL	FLG.	20"x14" FABRICATED 90° REDUCING BEND
F	STEEL	FLG.-P.E.	14' PIPE SPOOL
G	-	THREADED	THRUST HARNESS ASSEMBLY (SEE SHEET 3)
H	-	-	PRESSURE GAUGE ASSEMBLY (SEE SHEET 3)
I	-	-	14" BUTTERFLY VALVE (SEE NOTE 3)
J	STEEL	FLG.	14"x6" TEE
K	STEEL	FLG.	14' PIPE SPOOL
L	-	FLG.	3' GATE VALVE
M	-	FLG.	3" AIR + VACUUM RELEASE VALVE
N	-	FLG.	14" DISCHARGE VERTICAL TURBINE PUMP W/ MOTOR
O	-	-	VERTICAL TURBINE PUMP IMPELLER
P	-	-	OMITTED
Q	-	-	SADDLE-TYPE PIPE SUPPORT

PIPING FIXTURE LEGEND	
---	EXISTING PIPING FIXTURES
---	EXISTING PIPING FIXTURES
---	PROPOSED PIPING IMPROVEMENTS
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BENCHMARK:
U.S.G.S. DISK IN BRICK WALL OF
OLD ADDISON SCHOOL BUILDING
(4 FEET ABOVE GROUND),
ELEV. 650.61

T.B.M.
RED PAINT MARK ON TOP OF
GROUND STORAGE RESERVOIR.
ELEV. 600.00

PIPING SECTION A-A
PROPOSED PUMP 2 - MIN. 4.6 M.G.D. ▲
COLUMN LENGTH: 37.90 FEET
FROM DISCHARGE CENTERLINE
SCALE: 1/4" = 1'-0"

GENERAL NOTES

- CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO COMMENCING CONSTRUCTION.
- CONTRACTOR SHALL FURNISH & INSTALL NECESSARY PUMP BASE PLATE TO SUPPORT PUMP AND TO ATTAIN PROPER DISCHARGE HEADER CENTERLINE ELEVATION. FINISHED PUMP AND BASE PLATE SHALL BE WATERTIGHT AND NOT ALLOW ANY SEEPAGE INTO SUCTION HEADER WELL.
- PROPOSED BUTTERFLY VALVES SHALL BE MOUNTED ON A SADDLE TYPE PIPE SUPPORT.
- PRESSURE GAUGES SHALL BE 2 1/2" FACE DIAMETER, BE LIQUID FILLED, AND HAVE EXTERNAL ADJUSTMENT SCREWS FOR CALIBRATION. GAUGES SHALL BE MOUNTED TO GATE VALVE, WHICH THEN IS CONNECTED TO DISCHARGE HEADER PIPE.
- ALL DRAINS FROM SUMP PUMP, PUMP CONTROL VALVE AND AIR RELEASE VALVE SHALL BE RUN INTO EXISTING FLOOR DRAINS. DRAIN LINES SHALL BE SCHEDULE 40 P.V.C. PIPE, 2" MIN. DIAMETER AND SHALL BE SECURELY ATTACHED.
- PIPING AND FITTINGS SHALL BE STEEL OR DUCTILE IRON PIPE. ALL PIPE SHALL BE CEMENT MORTAR LINED. WORKING PRESSURE IS 120 p.s.i.
 - A. STEEL PIPE AND FITTINGS SHALL BE IN ACCORDANCE WITH THE FOLLOWING A.W.W.A. STANDARDS:
 - C-200
 - C-205
 - C-206
 - C-207
 - C-208
 - M-11
 - B. DUCTILE IRON PIPE AND FITTINGS SHALL BE IN ACCORDANCE WITH THE FOLLOWING A.W.W.A. STANDARDS:
 - C-151
 - C-150
 - C-115
 - C-111
 - C-110
 - C-105
 - C-104
 - C. ALL PIPING AND FITTINGS SHALL BE FROM A SINGLE MANUFACTURER.
 - D. PIPING SHALL HAVE FLANGED ENDS, EXCEPT AT THRUST HARNESS.
 - E. REMOVABLE SKYLIGHTS MAY BE USED TO INSTALL PUMPS AND MOTORS. IF USED, THE CONTRACTOR SHALL REPLACE ALL FLASHING AND MAKE UNITS WATERTIGHT. AFTER INSTALLATION OF THE SKYLIGHTS, A WATER HOSE SHALL BE TAKEN TO THE ROOF TO CHECK INITIAL WATERTIGHTNESS OF INSTALLATION.

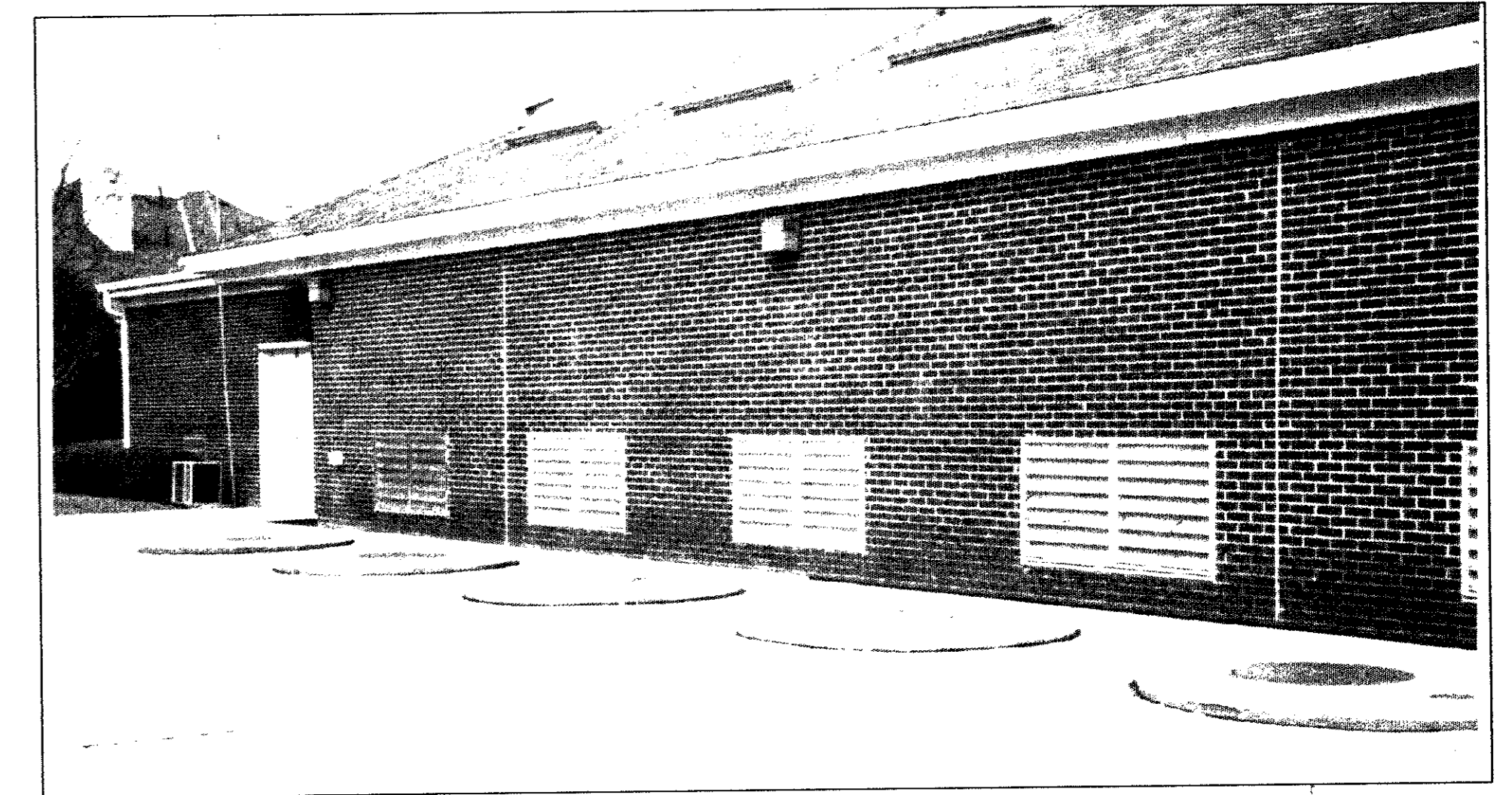


PHOTO 1 - PUMP STATION BUILDING SOUTH WALL
EXTERIOR VIEW OF WALL, LOUVERS & ROOF SKYLIGHTS

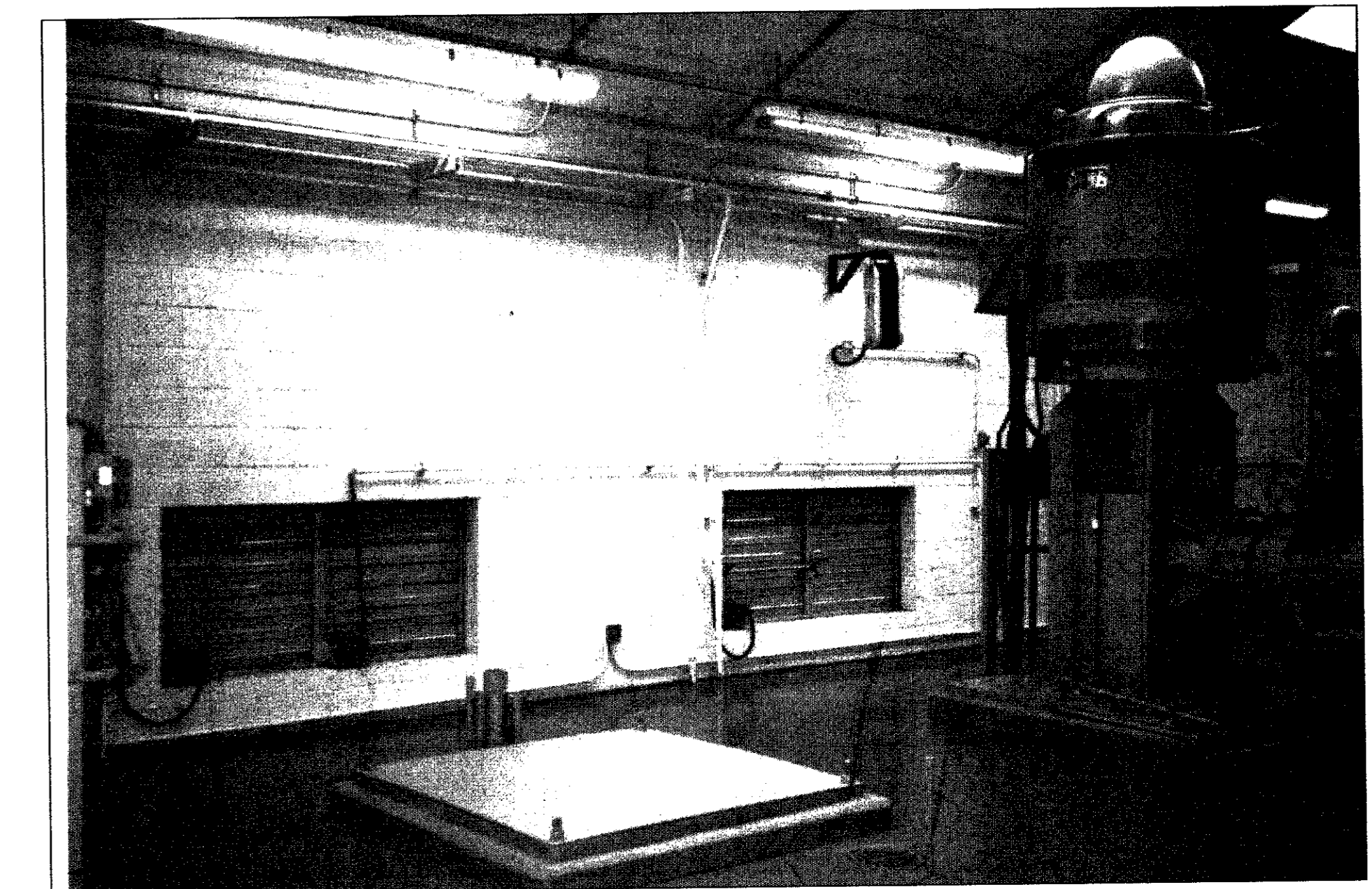


PHOTO 2 - PUMP STATION BUILDING SOUTH WALL
INTERIOR VIEW OF WALL, LOUVERS, PUMP PAD & COVER PLATE

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TOWN OF ADDISON, TEXAS

**CELESTIAL ROAD PUMP STATION ADDITIONS
PIPING SECTION A-A**

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DESIGNED BY: J.W.B. PROJECT: 97-180 SHEET NO. 2A
DRAWN BY: E.W.H. DATE: JANUARY 1998 OF 14 SHEETS

THESE DOCUMENTS ARE FOR
BIDDING, CONSTRUCTION,
AND PERMIT PURPOSES.
John W. Birkhoff
DATE: 2/11/98

