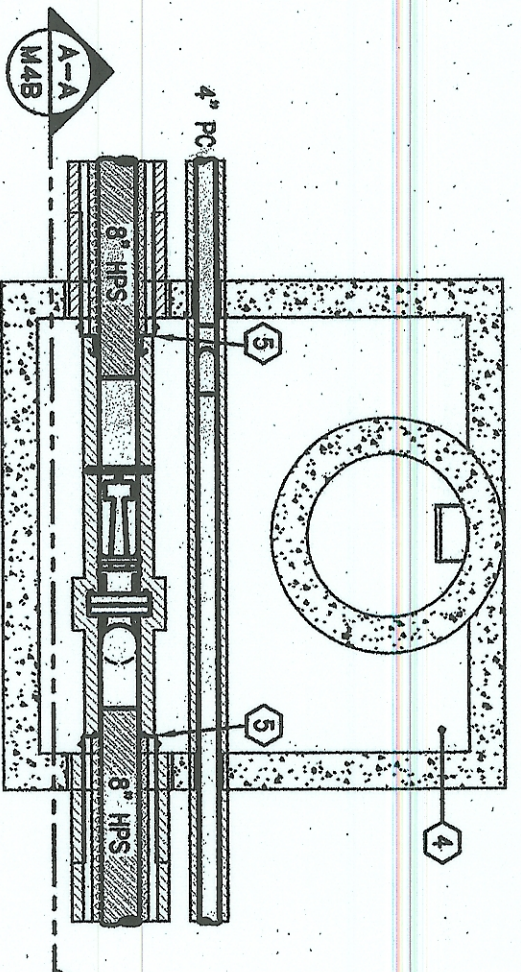
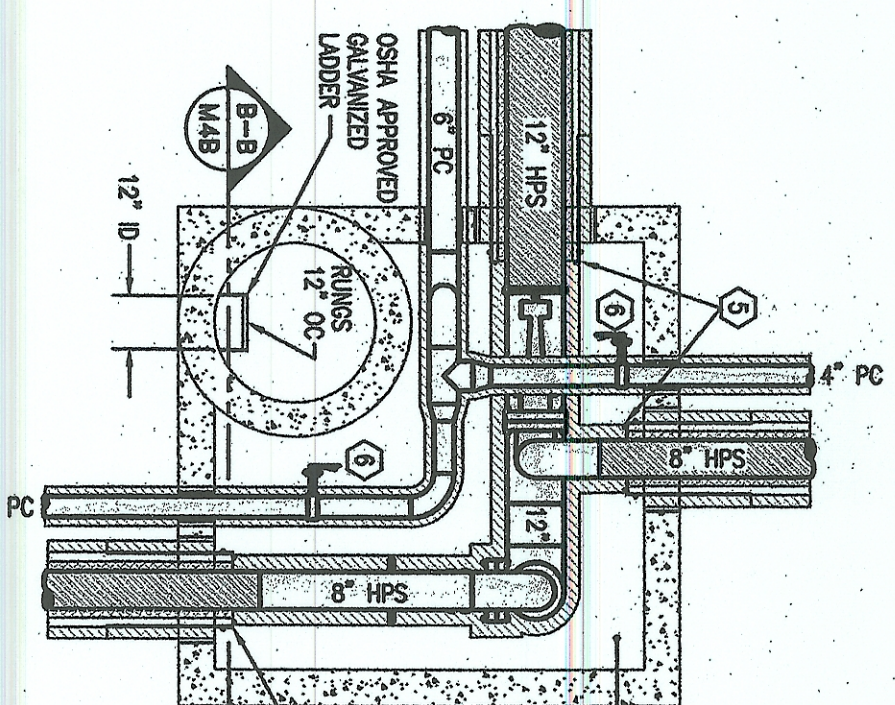


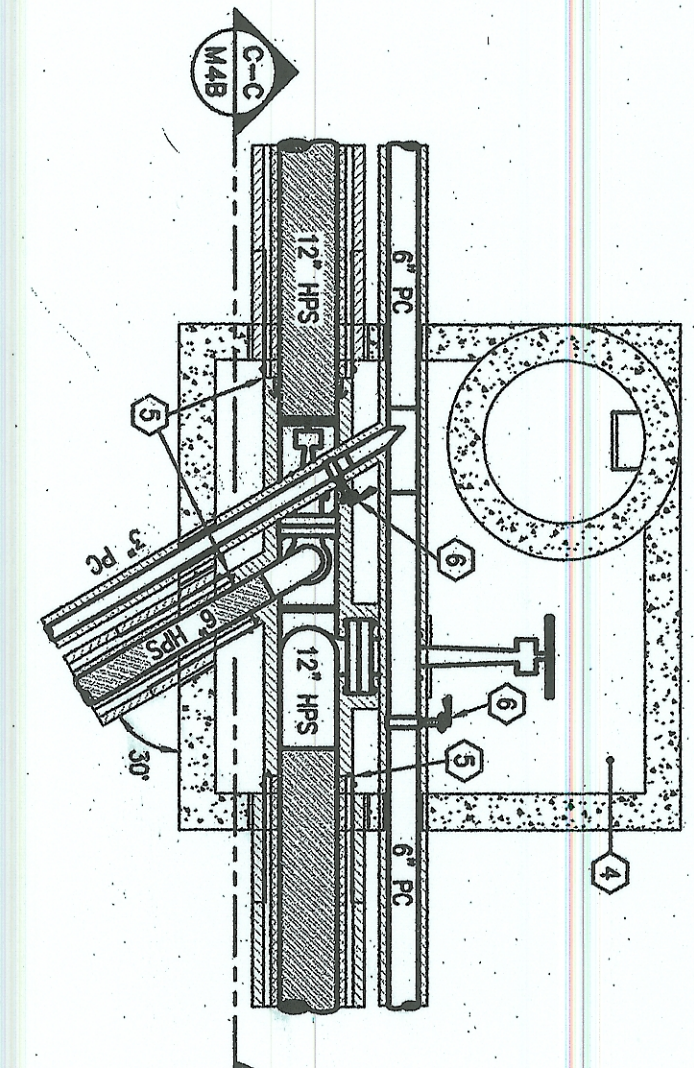
STEAM TRAP SCHEDULE (MANHOLES)									
MARK	MODEL	TYPE	WORKING PRESSURE (PSI)	TRAP MAX DIFFERENTIAL PRESSURE (PSI)	ORifice SIZE (INCH)	Pipe Conn. (INCH)	REMARKS		
MHST-1	B15	SPRINGS	100	1,225	7/64	1			
MHST-2	B25	SPRINGS	100	665	200	1/8			
MHST-3	B15	SPRINGS	100	1,225	7/64	1			



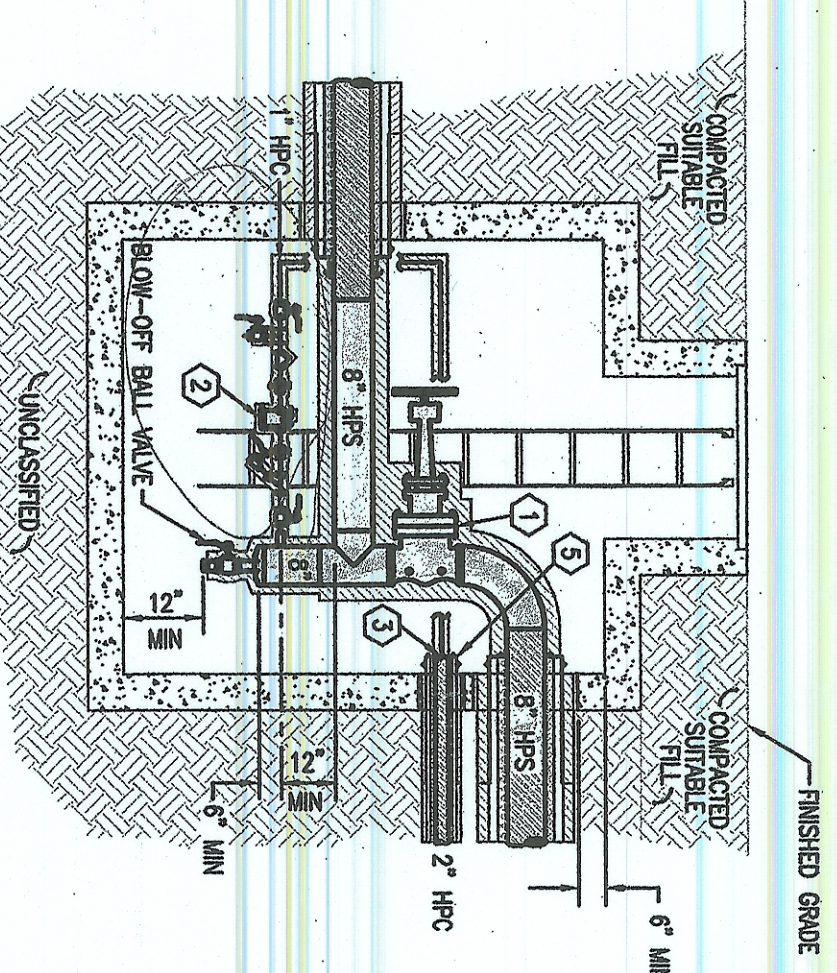
PLAN VIEW (MH-1)
NOT TO SCALE



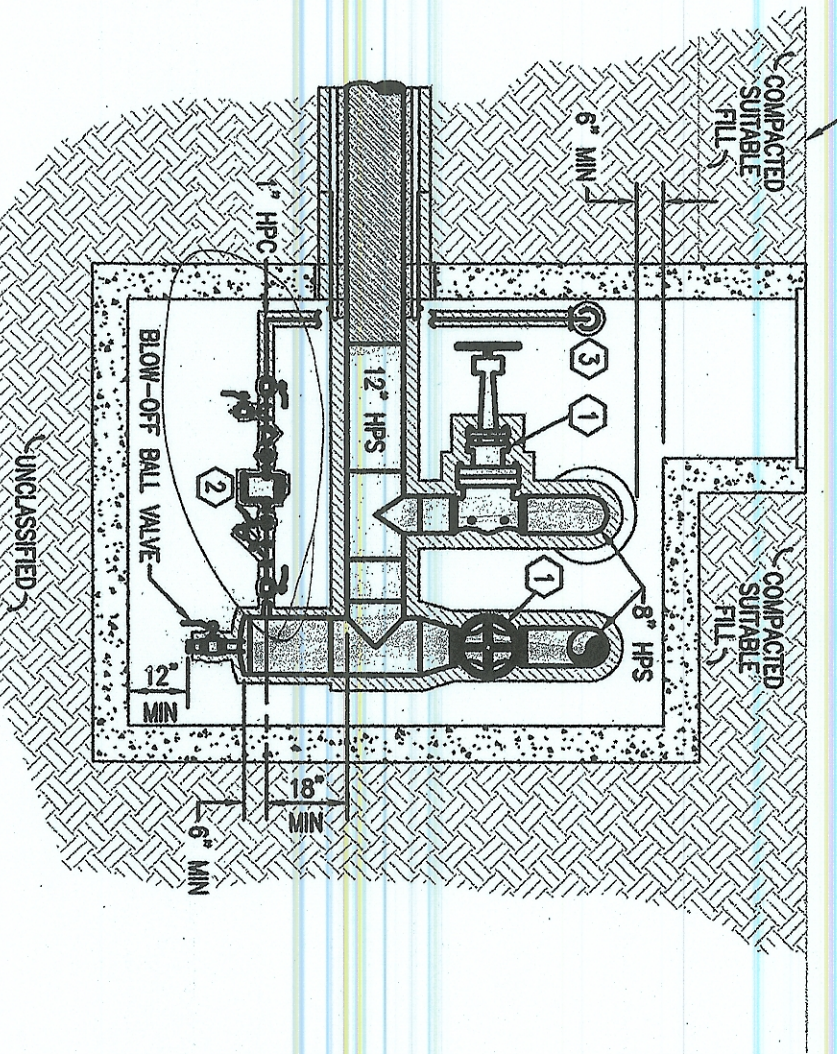
PLAN VIEW (MH-2)
NOT TO SCALE



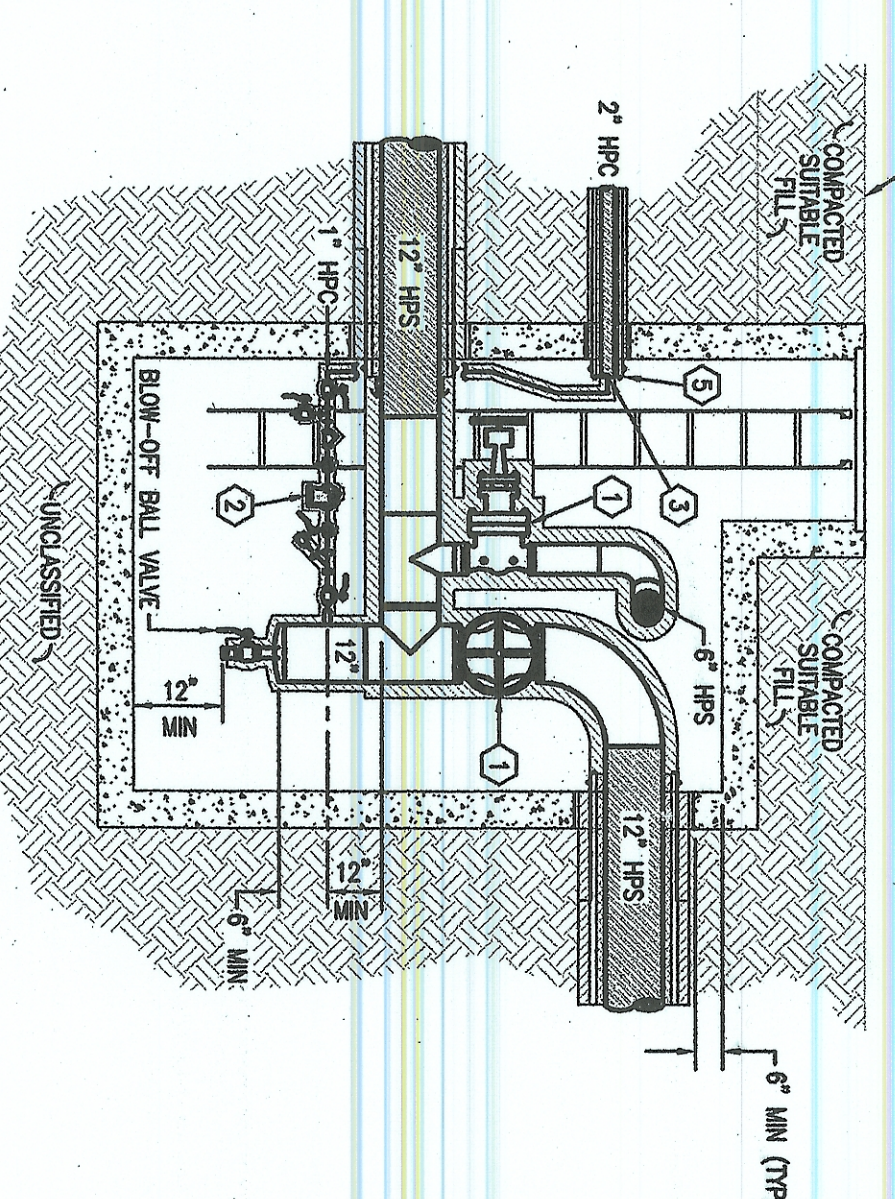
PLAN VIEW (MH-3)
NOT TO SCALE



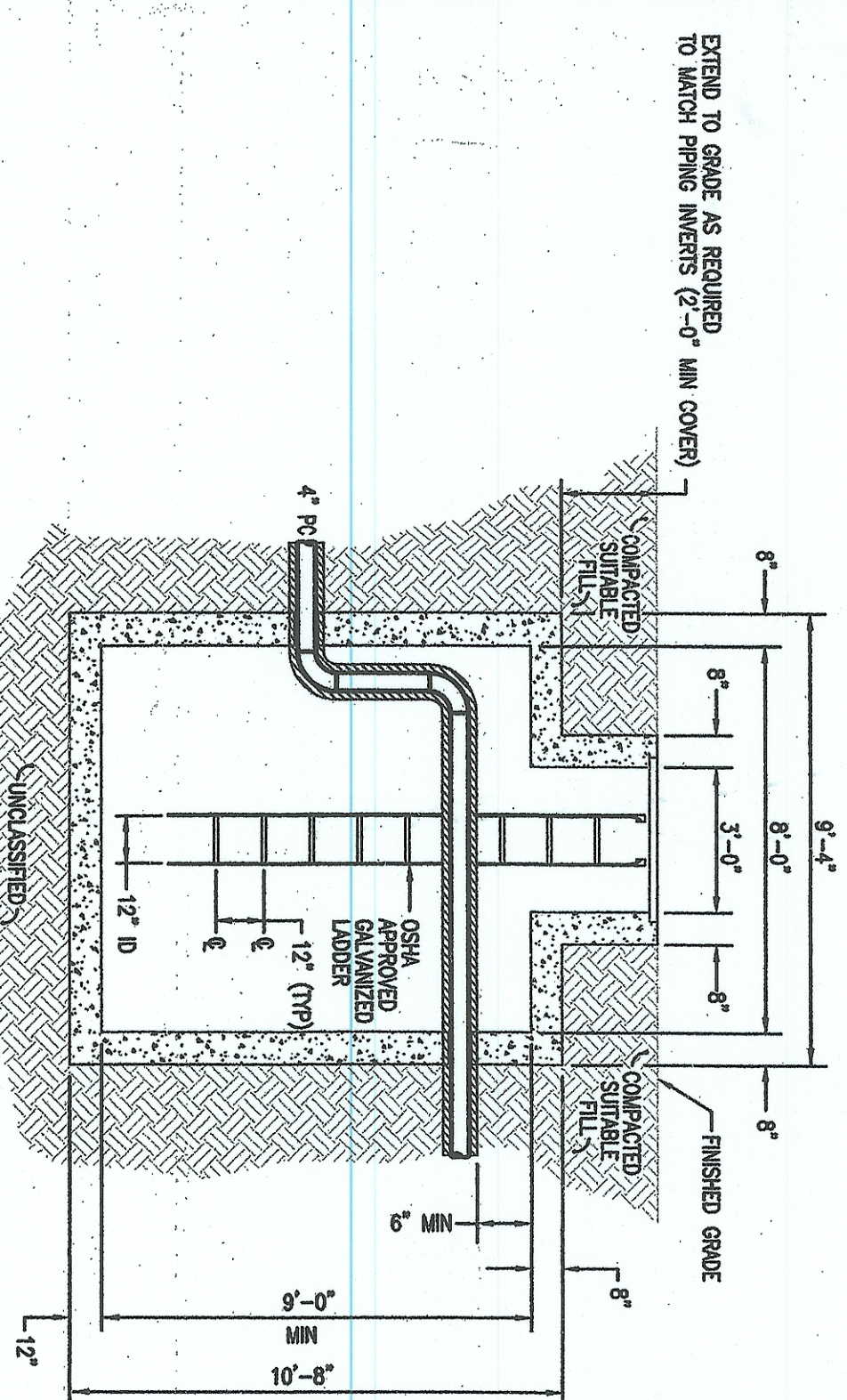
SECTION A-A (MH-1)
NOT TO SCALE



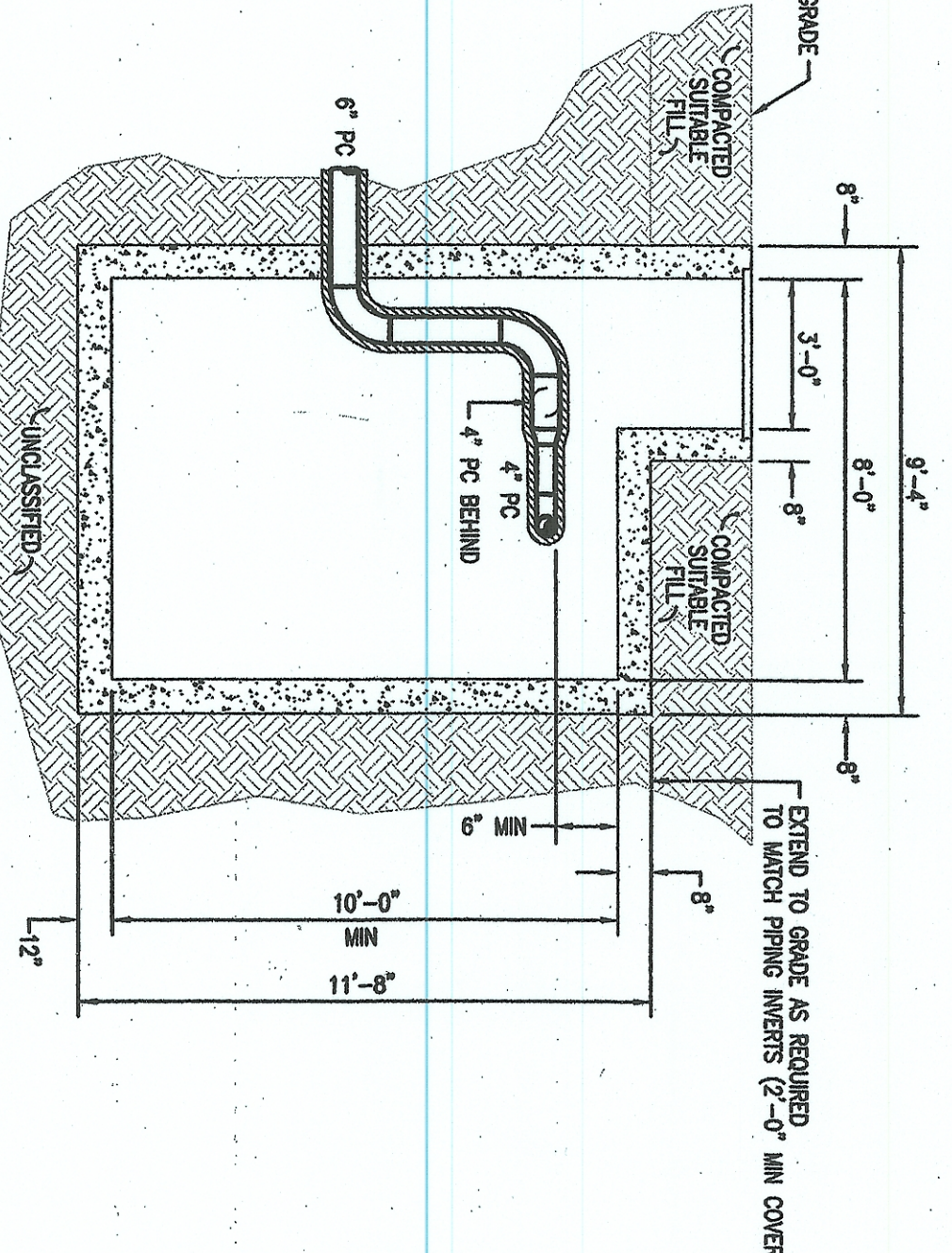
SECTION B-B (MH-2)
NOT TO SCALE



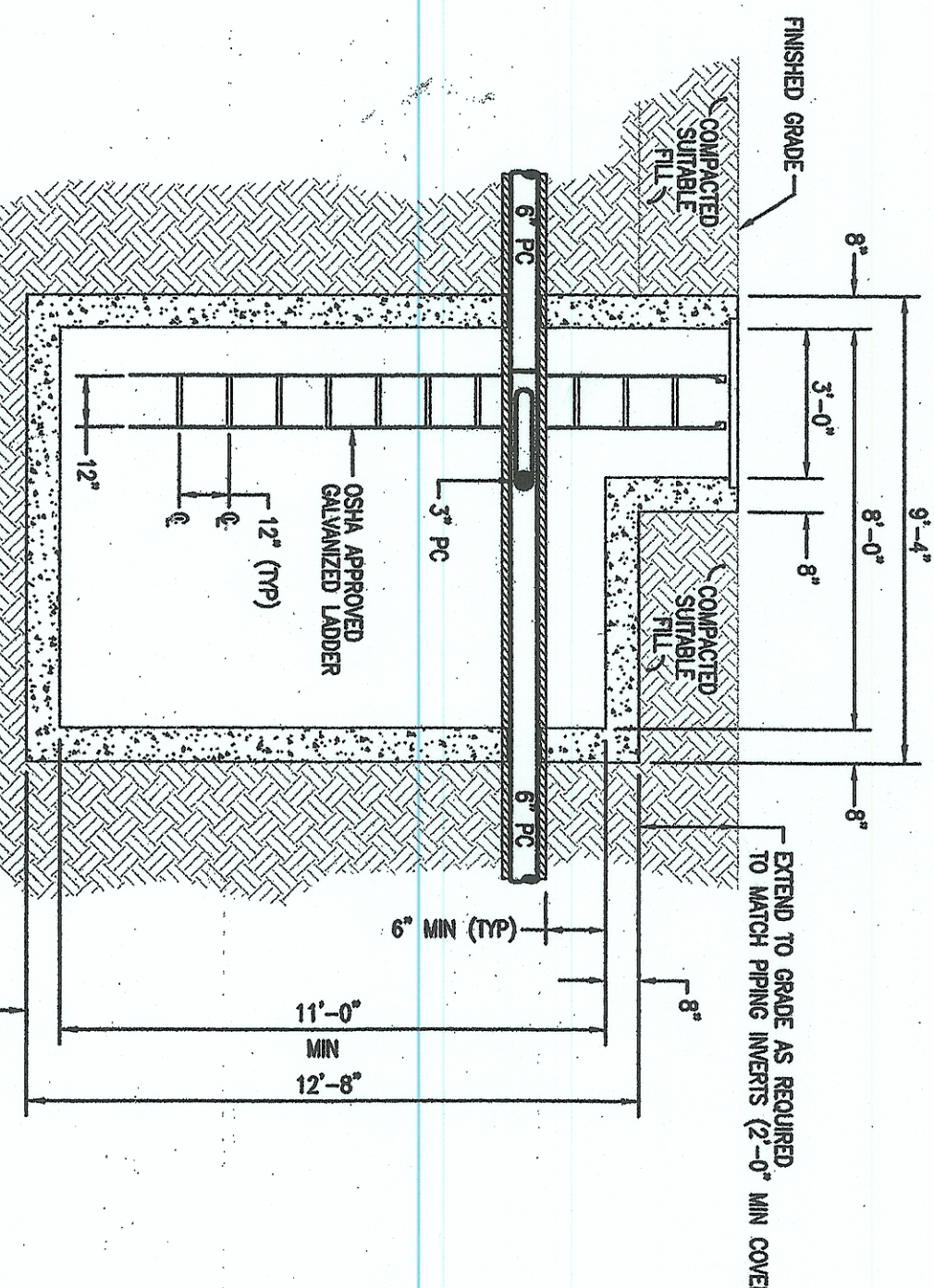
SECTION C-C (MH-3)
NOT TO SCALE



SECTION A-A (MH-1)
NOT TO SCALE



SECTION B-B (MH-2)
NOT TO SCALE



SECTION C-C (MH-3)
NOT TO SCALE

PLAN NOTES

1. REFER TO SHEET M FOR ADDITIONAL NOTES.
2. THE MANHOLE IS ASSUMED TO BE 18" DIA.
3. DIMENSIONS INDICATED, IF ANY CHANGES IN DIMENSIONS ARE REQUIRED, NOTIFY THE ENGINEER.
4. SEPARATE SECTION FOR PC AND HPS ARE REQUIRED. REFER TO SITE DRAWING FOR CONNECTIONS.
5. ALL PIPING IN THE MANHOLE SHALL BE WELDED. PROVIDE INSULATION IN THE MANHOLE.
6. PROVIDE INSULATION IN THE MANHOLE.

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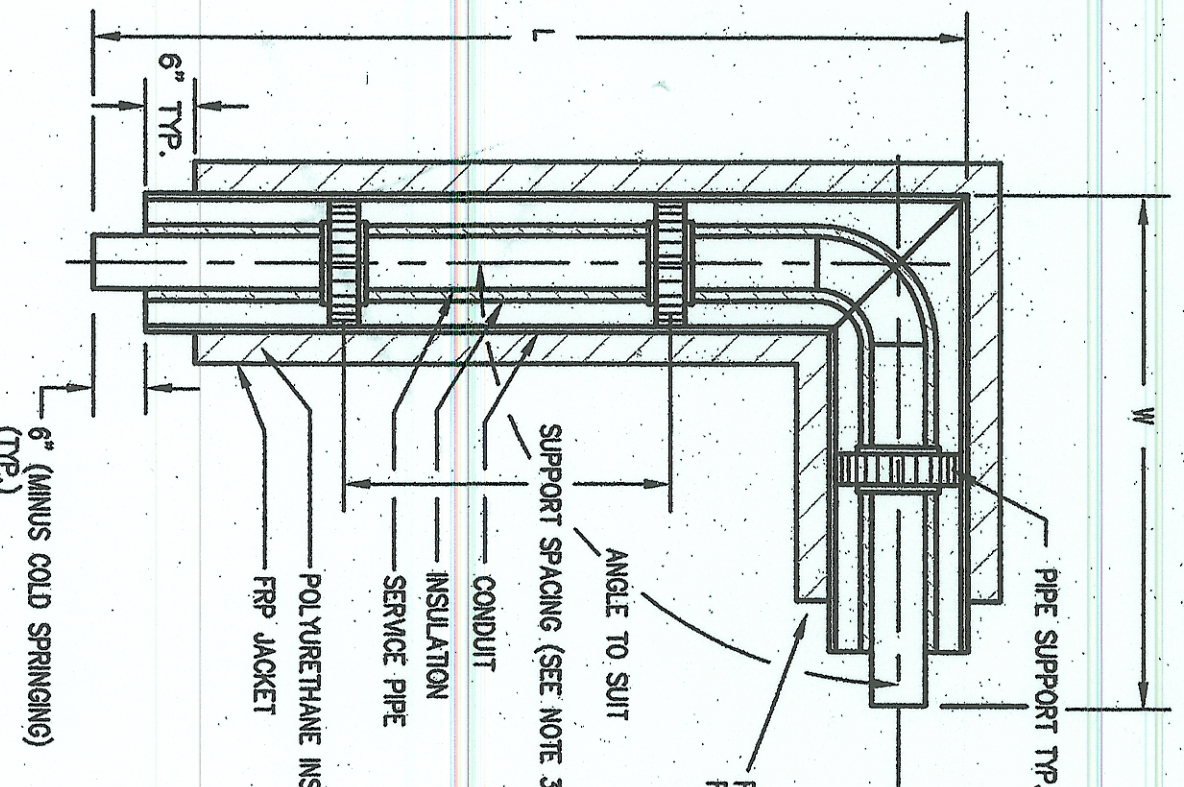
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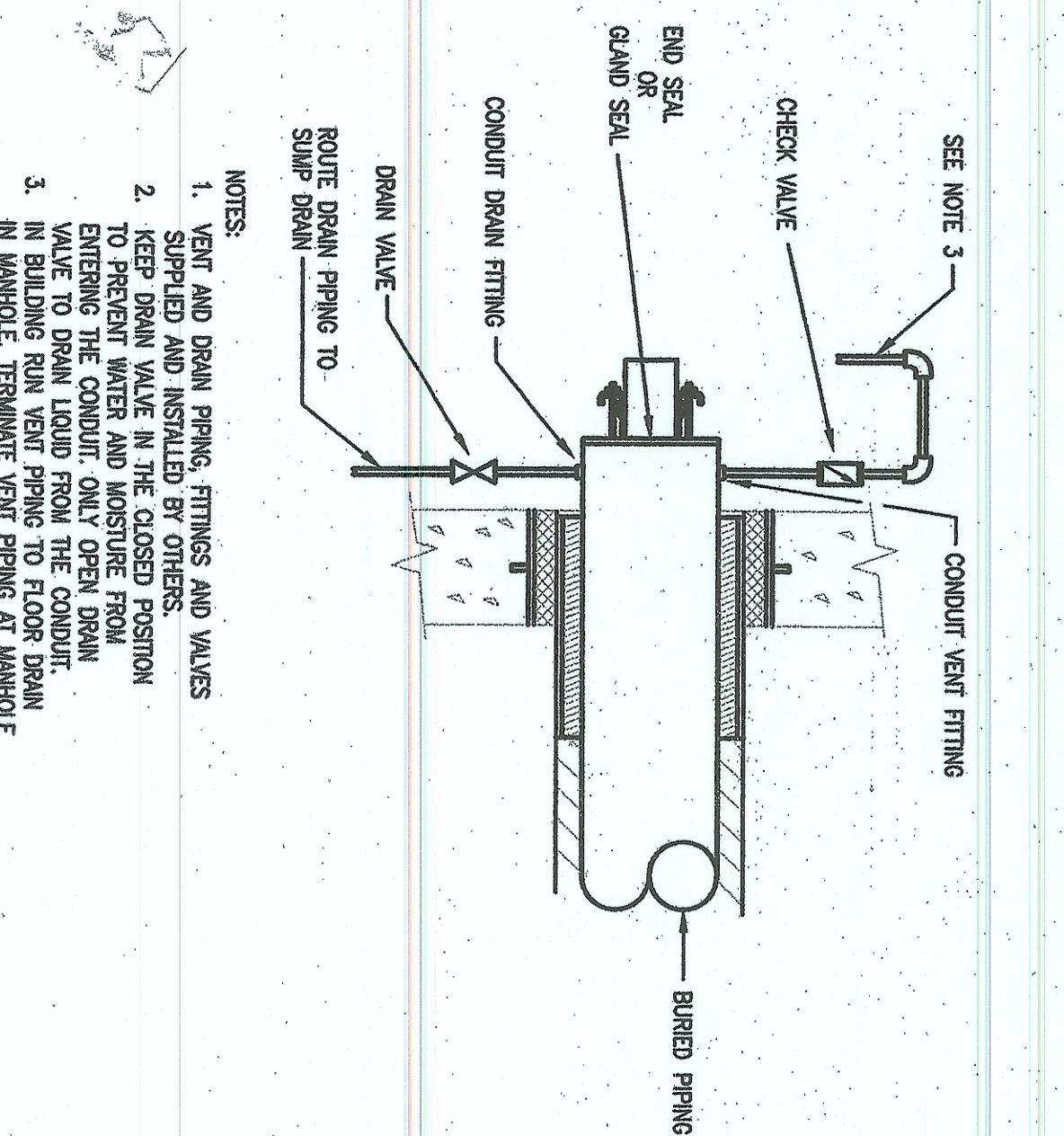
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NOTES:
1) FOR 2" AND SMALLER STEEL PIPE, SQUARE ENDS 3000 LB SOCKET WELD FITTINGS.
2) FOR 2 1/2" AND LARGER STEEL PIPE, BENTED ENDS BENTED FITTINGS.
3) FROM END OF PIPE.

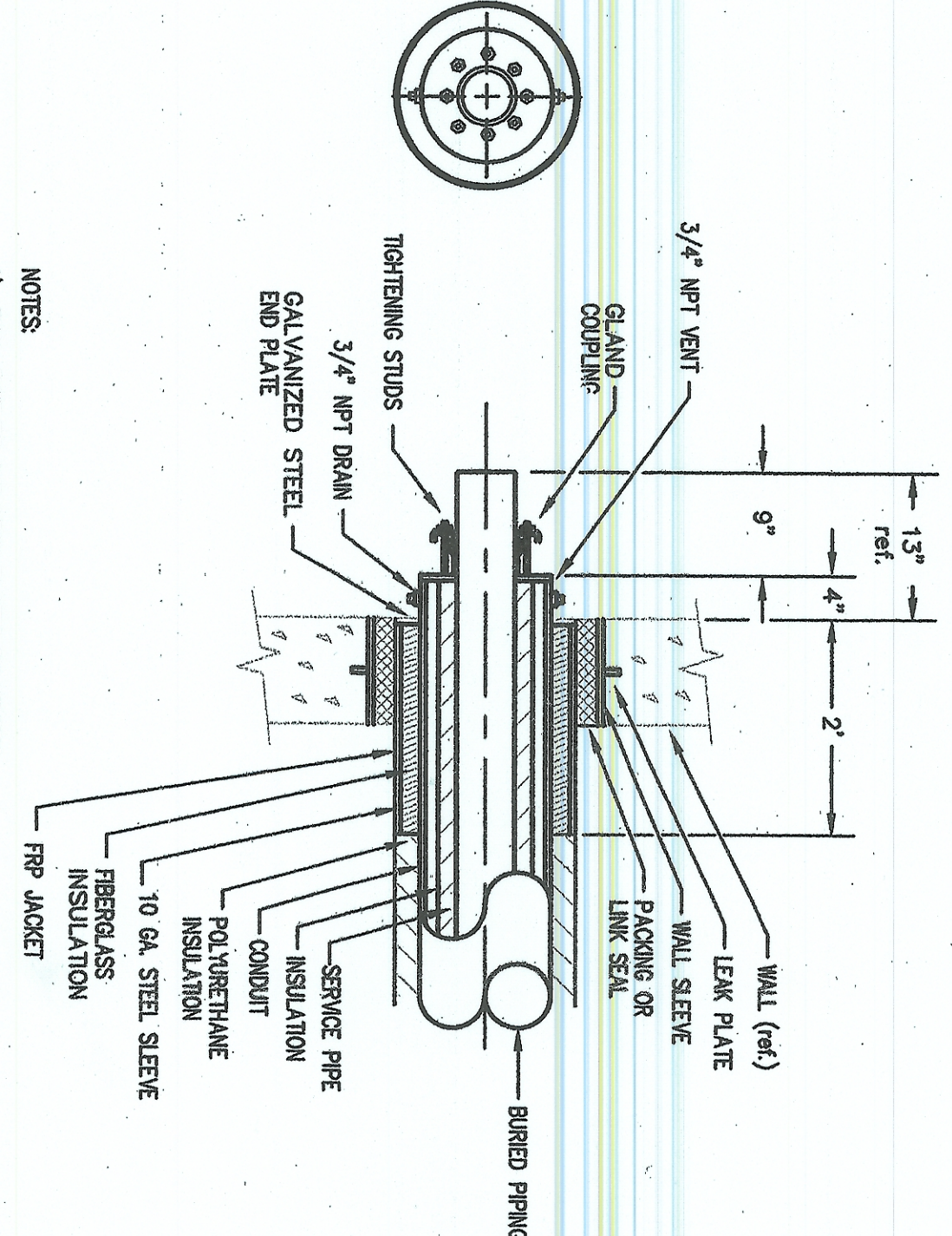


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SLEEVE DETAIL FOR STEAM PIPING
NOT TO SCALE

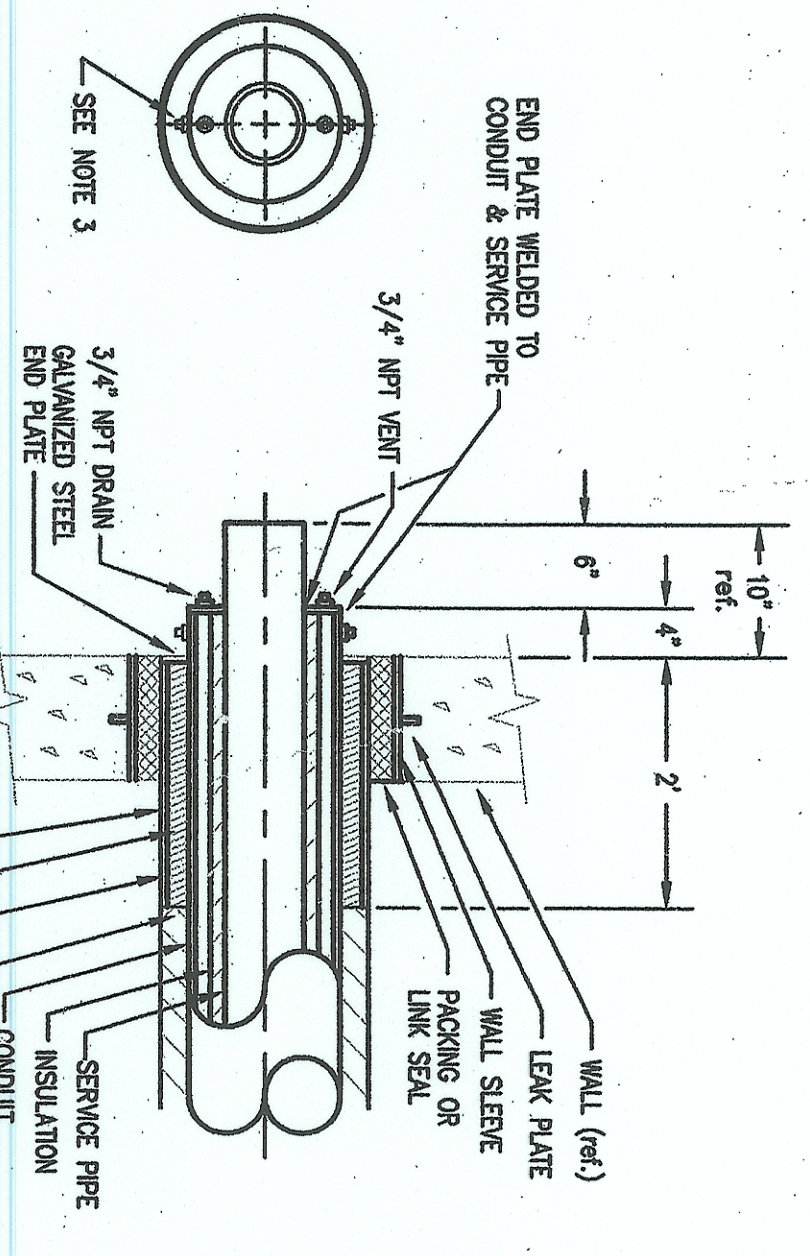
BURIED PIPING EXPANSION COMPENSATION FITTING
NOT TO SCALE

MAX SUPPORT SPACING
14'
10'



NOTES:
1) WALL SEALS AND LEAK PLATES BY OTHERS.
2) PIPING OR LINK SEALS BY OTHERS.

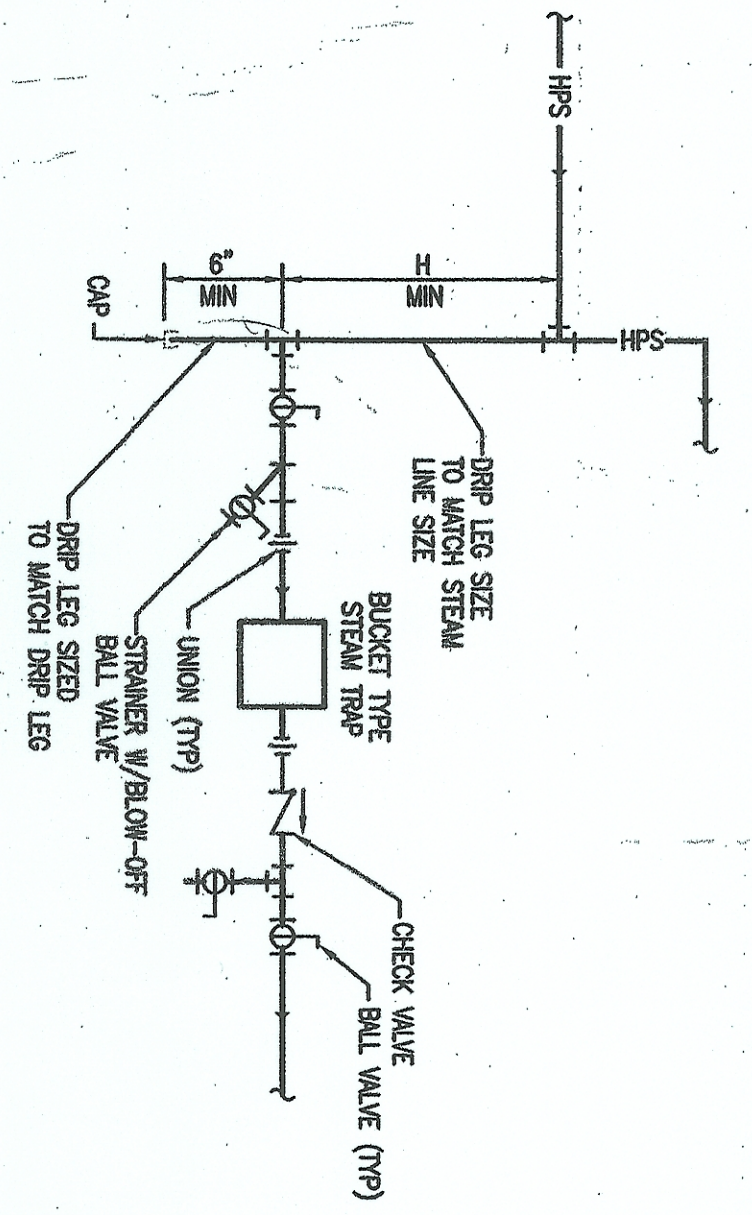
GLAND SEAL SLEEVE DETAIL FOR STEAM PIPING
NOT TO SCALE



NOTES:
1) WALL SEALS AND LEAK PLATES BY OTHERS.
2) PIPING OR LINK SEALS BY OTHERS.
3) ALTERNATE VENT AND DRAIN LOCATIONS ON ROOF ON THE B.D. PLATE.

STEAM TRAP DETAIL FOR MANHOLES
NOT TO SCALE

IPS LINE SIZE	1/2"	3/4"	1"	1 1/2"	2"	3"	4"	6"	8"	10"	12"	16"	20"	24"
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END SEAL SLEEVE DETAIL FOR STEAM PIPING
NOT TO SCALE

DATE	REMARKS
7-14-06	ISSUED FOR OWNER REVIEW
11-20-06	ISSUED FOR CONSTRUCTION
	Reviewed By: T. Zachwiele
	Drawn By: M. Cochran
	Drawing Number: M4

Manhole Details

State of West Virginia
WV Capitol Complex PC
Charleston, WV

ZDS

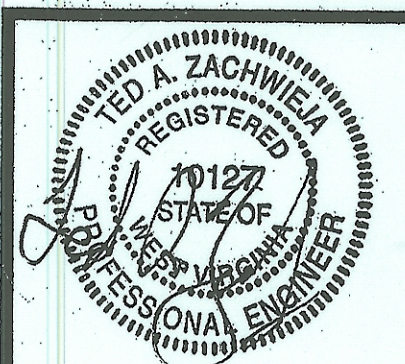
Mechanical • Electrical • IAQ • Energy • Commissioning

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St. Albans, WV 25177

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Fax: (304) 755-0076

DESIGN/
CONSULTING
SERVICES

11258 Cornell Park Drive, Suite 600
Cincinnati, Ohio 45242



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