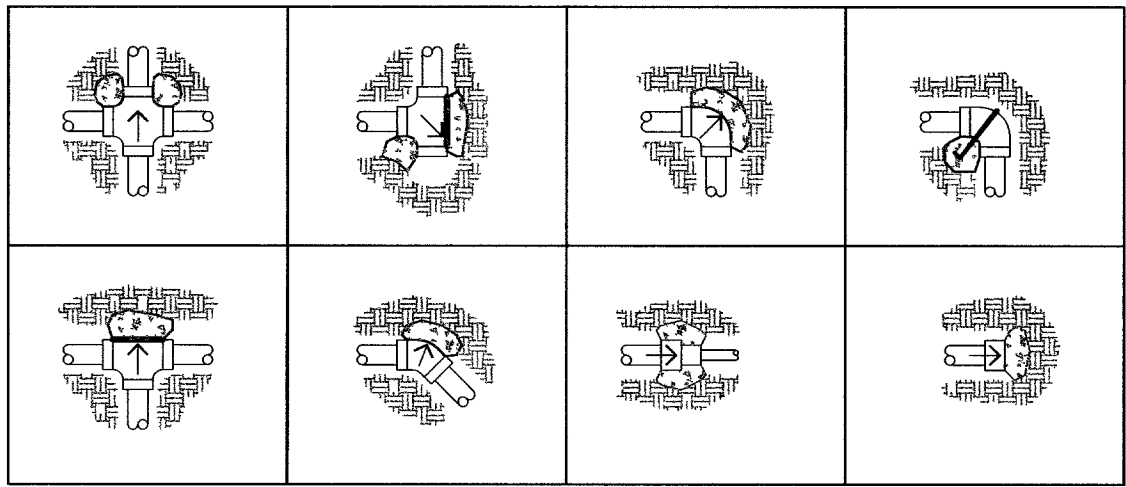




THRUST BLOCK SURFACE AREA AGAINST UNDISTURBED SOIL (SQUARE FEET)

FITTING SIZE	90° BEND	45° BEND	22.5° BEND	11.5° BEND	TEE OR DEAD END
3"	5.4	2.76	1.42	.74	3.58
4"	8.24	4.54	2.31	1.2	5.88
6"	10.8	5.52	2.84	1.48	7.16
8"	16.48	9.08	4.62	2.4	11.76
10"	19.04	10.06	5.15	2.68	13.04

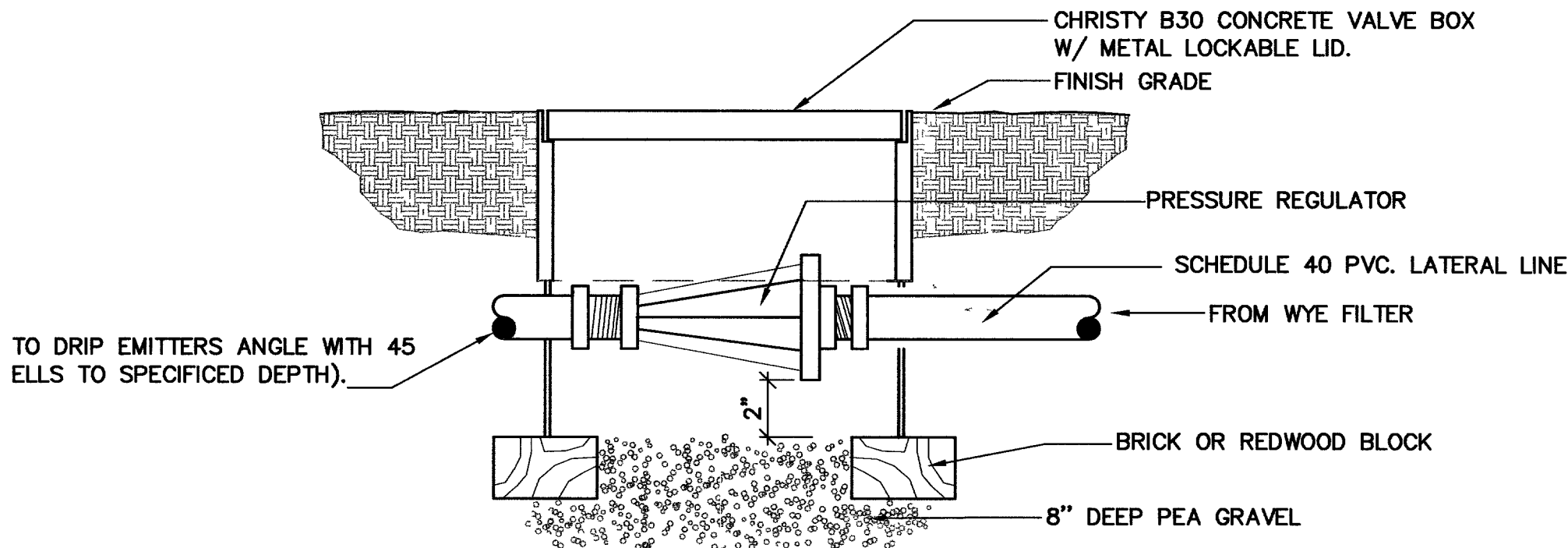
1
IR-5

THRUST BLOCK DETAIL

N.T.S.

NOTES:

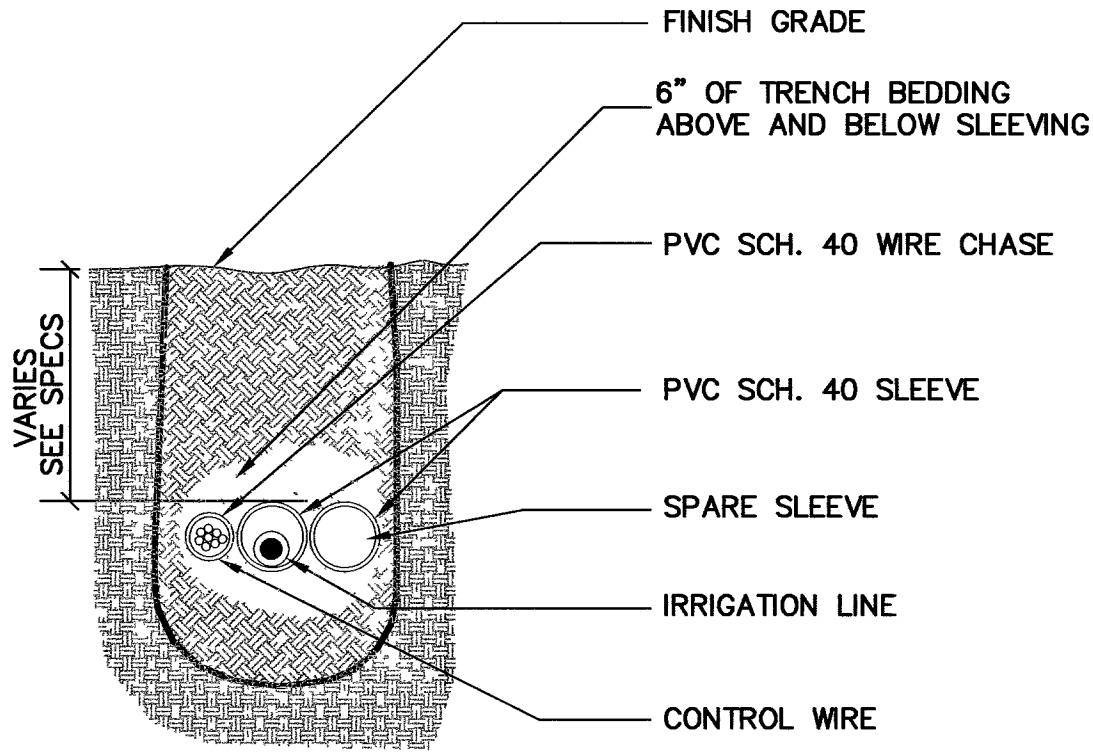
1. ALL MAINLINE TO BE INSTALLED AND TESTED ACCORDING TO MANUFACTURER'S INSTALLATION SPECIFICATIONS.
2. ALL TRENCH DEPTHS AND WIDTHS SHALL BE AS PER SPECIFICATIONS.
3. USE NO. 4 REBAR WITH MASTIC COATING WHERE PIPE MUST BE ANCHORED TO THRUST BLOCK
4. INSTALL THRUST BLOCKS SO THE HORIZONTAL AND VERTICAL DIMENSIONS ARE APPROXIMATELY EQUAL.



4
IR-5

PRESSURE REGULATOR

N.T.S.



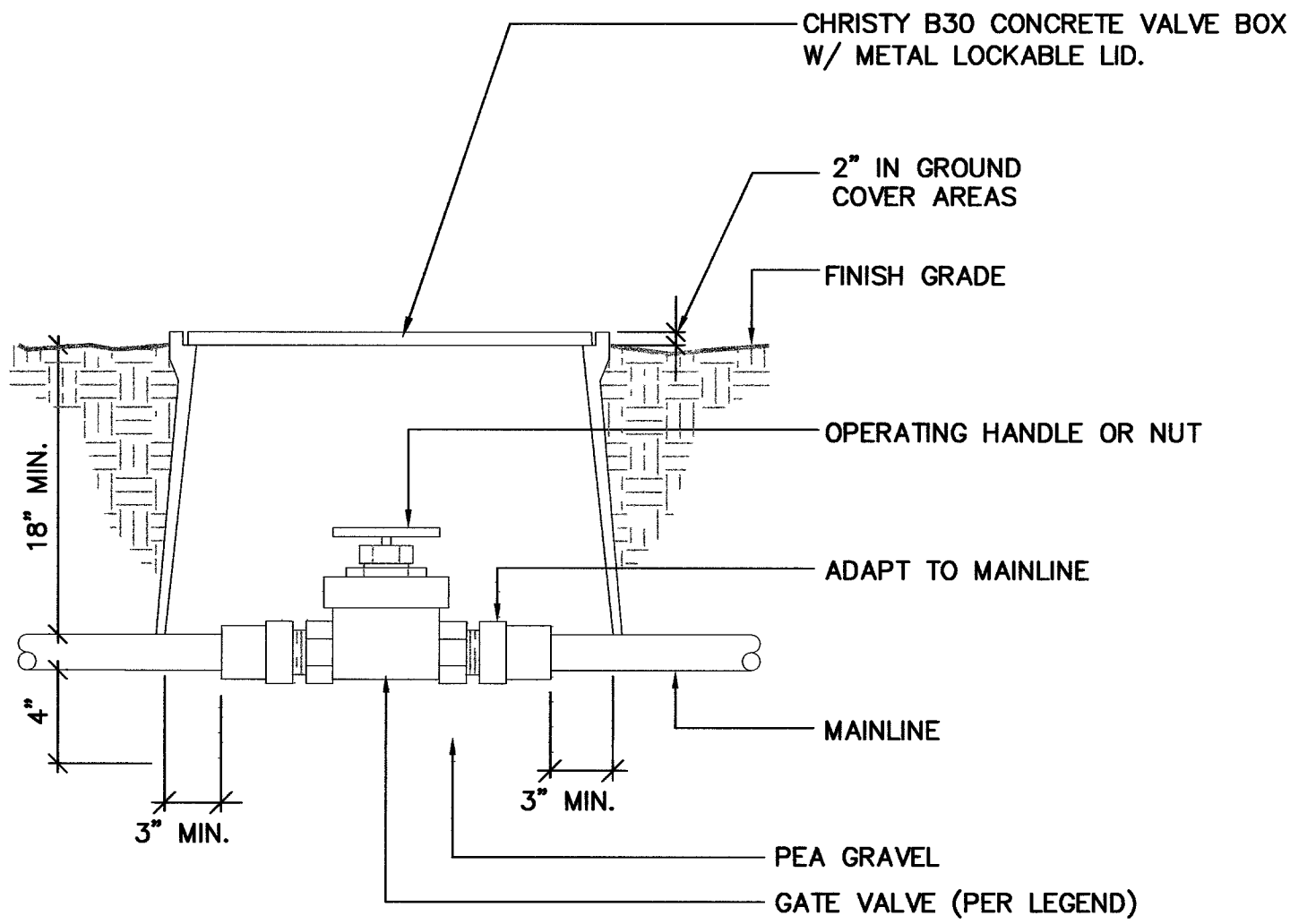
2
IR-5

SLEEVE SECTION

N.T.S.

NOTE:

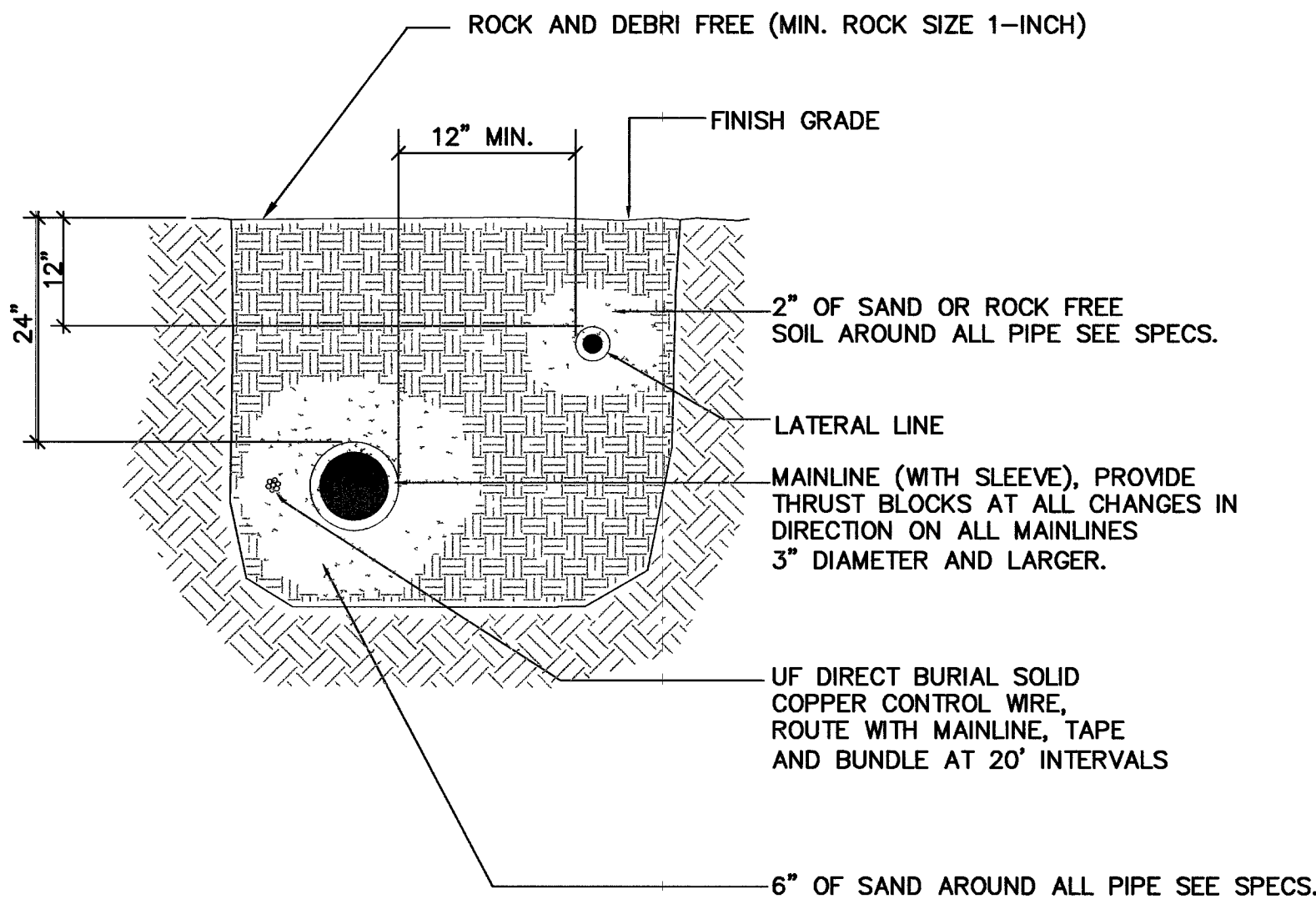
1. SLEEVE ALL PIPE AND WIRES UNDER WALKS, DRIVEWAYS, STRUCTURES, WALLS, ETC. EXTEND SLEEVE BEYOND PAVING INTO LANDSCAPE AREA 18" MINIMUM.



5
IR-5

GATE VALVE

N.T.S.



3
IR-5

TRENCH SECTION

N.T.S.

NOTE:

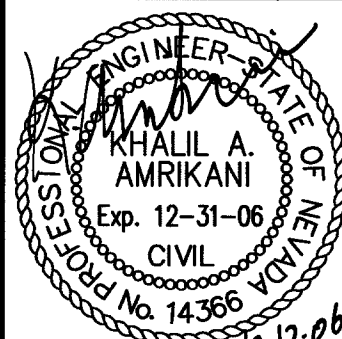
1. PIPE UNDER WALKS, DRIVEWAYS, STRUCTURES, ETC. ARE TO BE SLEEVED.



DEPARTMENT OF PUBLIC WORKS

FREMONT STREET
PEDESTRIAN IMPROVEMENTS
LAS VEGAS BLVD. - 8TH ST.

IRRIGATION
DETAILS



SHEET NO.
IR-5
SHEET 38 OF 39
DRAWING NO.
107V45681

SCALE (H): 1" = 20'
SCALE (V): 1" = 20'
DESIGNED BY: SM
CHECKED BY: SM
DATE: MARCH, 2006
DRAWN BY: SM
KIMLEY-HORN
and Associates, Inc.
Engineering, Planning, and Environmental Consultants
1050 E. Flamingo Road, Suite S210, Las Vegas, NV, 89119
Ph: (702) 734-5666 Fax: (702) 734-5666

REVISIONS

DATE

FREMONT STREET FINAL DESIGN

Avoid cutting underground utility lines. It's costly.
Call before you Dig
1-800-227-2600

SAFETY ALERT
Call Before You Overhead
1-702-455-7511
1-702-227-2929

Call before you UnderGround
1-702-455-7511
CLARK COUNTY TRAFFIC OPERATIONS AND
LAS VEGAS AREA COMPUTERIZED TRAFFIC SYSTEM