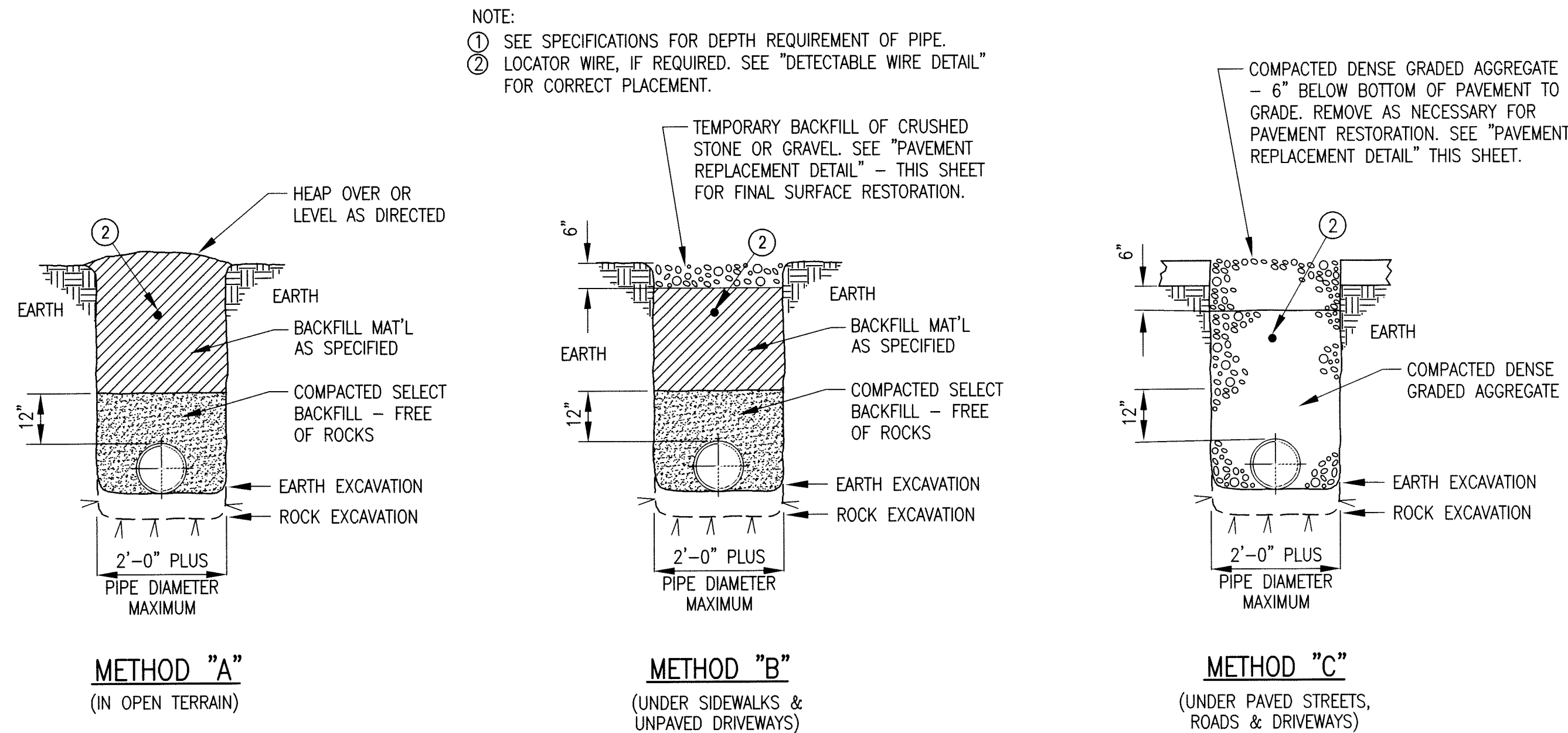
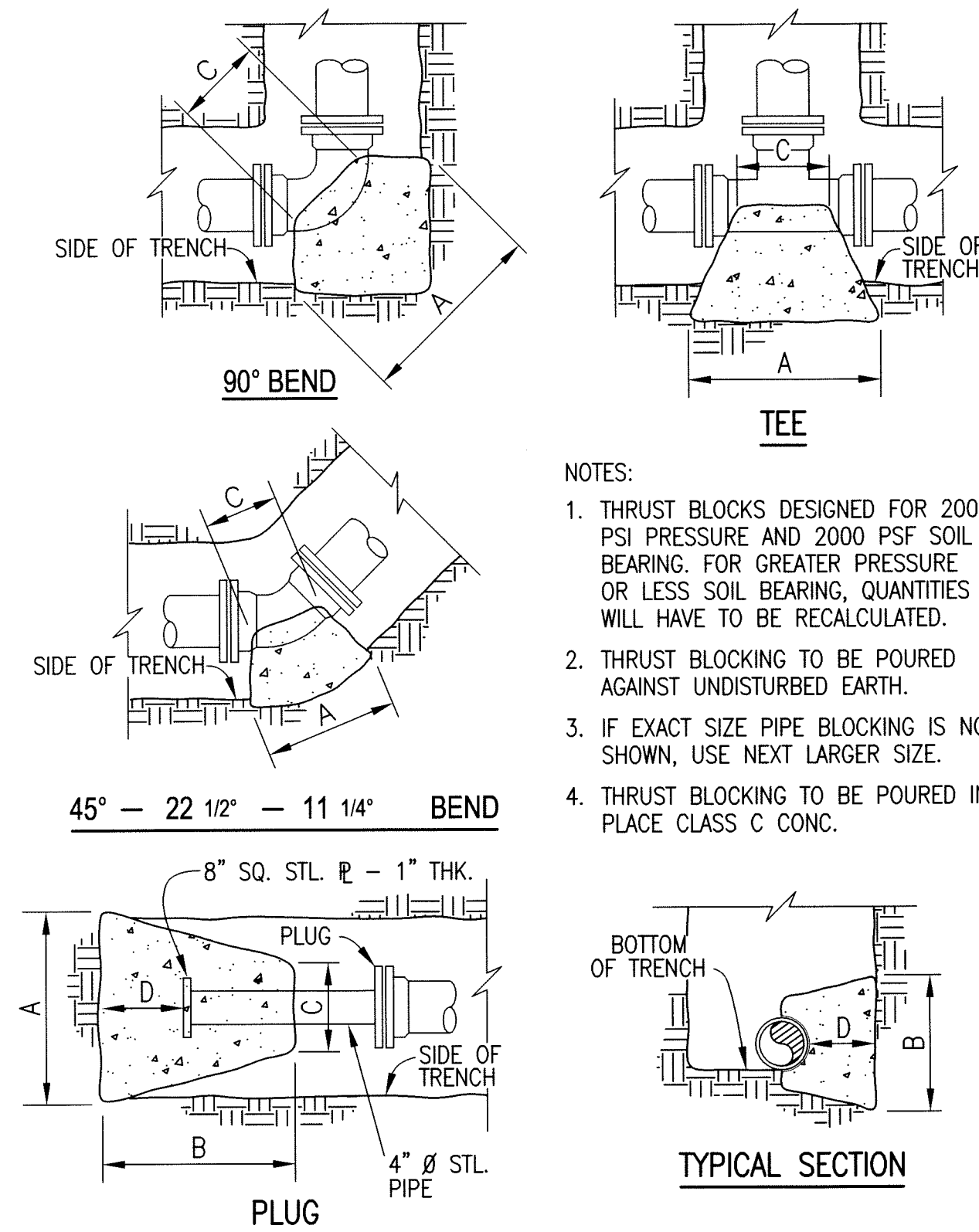




PRESSURE PIPE BEDDING & BACKFILLING DETAILS
NOT TO SCALE



- NOTES:
- THRUST BLOCKS DESIGNED FOR 200 PSI PRESSURE AND 2000 PSF SOIL BEARING. FOR GREATER PRESSURE OR LESS SOIL BEARING, QUANTITIES WILL HAVE TO BE RECALCULATED.
 - THRUST BLOCKING TO BE POURED AGAINST UNDISTURBED EARTH.
 - IF EXACT SIZE PIPE BLOCKING IS NOT SHOWN, USE NEXT LARGER SIZE.
 - THRUST BLOCKING TO BE POURED IN PLACE CLASS C CONC.

90° BEND							
SIZE	16"	12"	10"	8"	6"	4"	2"
A	84	60	51	42	32	24	18
B	72	60	51	42	32	24	18
C	30	18	16	12	12	9	9
D	34	30	24	17	13	9	9

45° BEND							
SIZE	16"	12"	10"	8"	6"	4"	2"
A	58	43	38	32	24	18	12
B	58	43	38	32	24	18	12
C	24	16	14	12	12	8	8
D	24	18	15	12	9	6	6

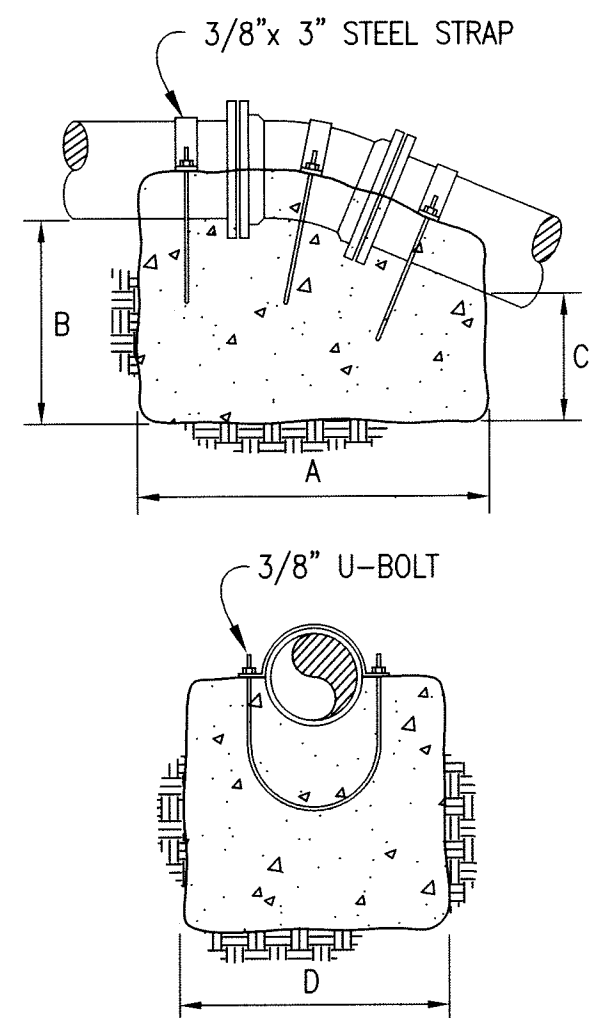
22 1/2° BEND							
SIZE	16"	12"	10"	8"	6"	4"	2"
A	42	32	27	24	18	12	9
B	42	32	27	24	18	12	9
C	18	16	14	12	10	8	8
D	18	13	11	9	6	4	4

11 1/4° BEND							
SIZE	16"	12"	10"	8"	6"	4"	2"
A	30	24	21	17	12	9	9
B	30	24	21	17	12	9	9
C	18	16	14	12	10	8	8
D	12	9	8	6	5	4	4

PLUG							
SIZE	16"	12"	10"	8"	6"	4"	2"
A	66	52	43	34	27	20	18
B	66	52	43	34	27	20	18
C	12	12	12	12	12	12	12
D	44	32	22	15	11	11	11

TEE							
SIZE	MAIN	16"	12"	10"	8"	6"	2"-6"
BRANCH	16"	12"	10"	8"	6"	4"	2"
A	66	52	43	34	27	20	18
B	66	52	43	34	27	20	18
C	30	12	12	12	12	12	12
D	30	26	21	14	21	13	13

DIMENSIONS ARE IN INCHES



- NOTES:
- THRUST BLOCKS DESIGNED FOR 150 PSI PRESSURE. FOR GREATER PRESSURE QUANTITIES WILL HAVE TO BE RECALCULATED.
 - THRUST BLOCKING TO BE POURED AGAINST UNDISTURBED EARTH.
 - IF EXACT SIZE PIPE BLOCKING IS NOT SHOWN, USE NEXT LARGER SIZE.
 - THRUST BLOCKING TO BE POURED IN PLACE - CLASS "C" CONCRETE.

90° BEND							
SIZE	16"	12"	10"	8"	6"	4"	2"
A	85	67	60	54	42	34	30
B	85	67	60	54	42	34	18
C	80	63	56	50	38	30	16
D	76	66	60	48	48	36	24

45° BEND							
SIZE	16"	12"	10"	8"	6"	4"	2"
A	72	60	50	46	35	30	24
B	72	60	50	46	35	28	24
C	68	56	46	42	30	24	18
D	72	60	60	48	48	36	24

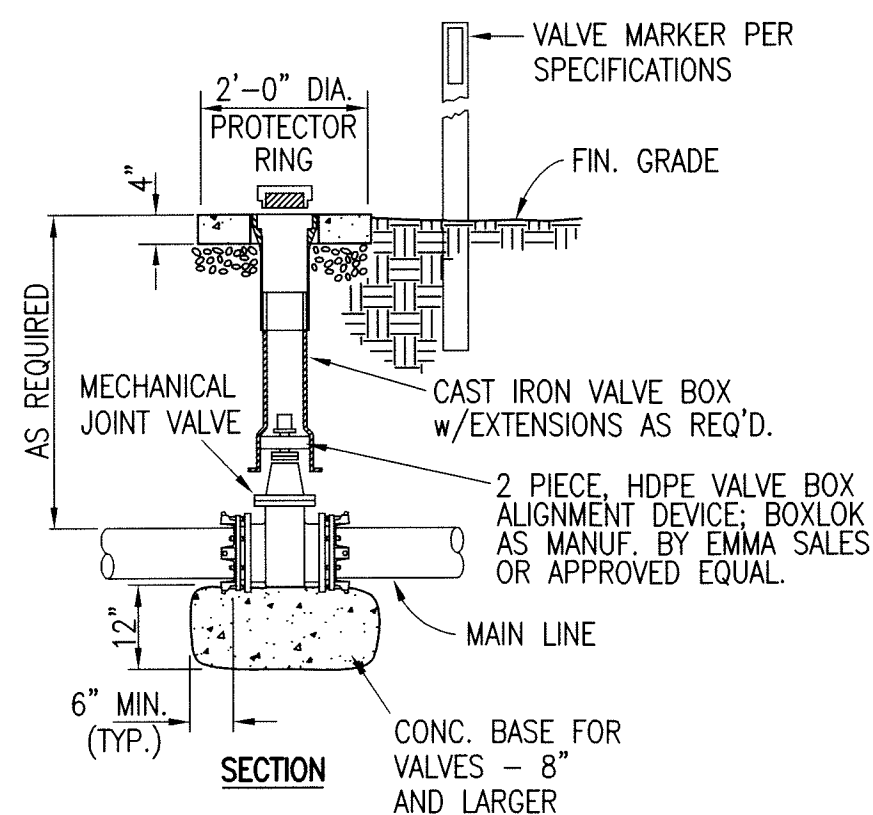
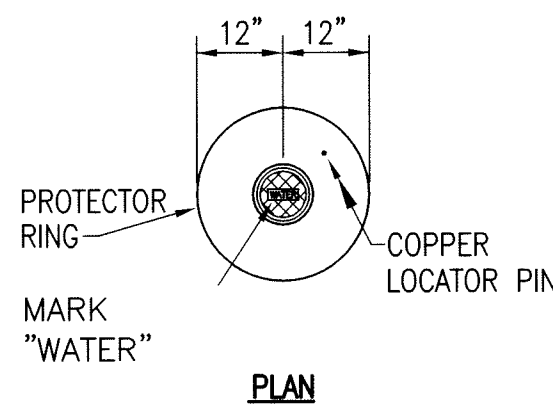
22 1/2° BEND							
SIZE	16"	12"	10"	8"	6"	4"	2"
A	58	50	42	38	30	24	18
B	58	48	42	38	30	24	18
C	54	44	38	34	26	20	14
D	60	48	48	36	36	30	24

11 1/4° BEND							
SIZE	16"	12"	10"	8"	6"	4"	2"
A	42	36	30	29	24	20	18
B	42	36	30	29	24	20	18
C	38	32	26	24	20	16	14
D	60	48	48	36	30	24	24

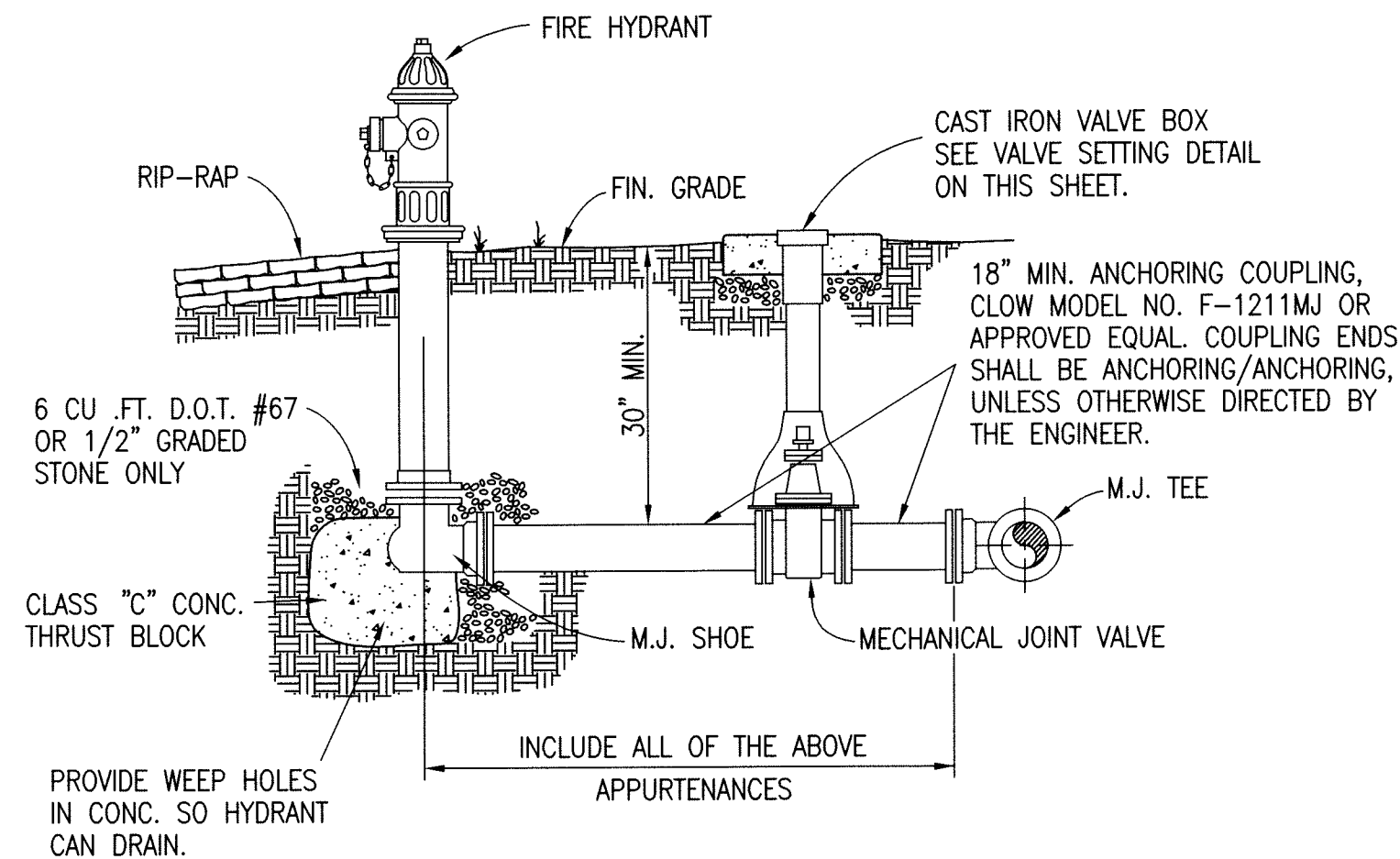
DIMENSIONS ARE IN INCHES

VERTICAL CONCRETE ANCHOR
NOT TO SCALE

- NOTES:
- USE PRECAST CONC. PROTECTOR RING w/INTEGRAL COPPER LOCATOR PIN, FOR VALVES OUTSIDE PAVED AREAS.
 - PLACE GROUT IN SPACE BETWEEN CONCRETE PAD AND VALVE BOX.
 - VALVES IN ROADWAY DO NOT REQUIRE A CONCRETE PAD OR MARKER.
 - VALVES SHALL BE RESTRAINED WITH MEGALUG TYPE RESTRAINT SYSTEM.



GATE VALVE SETTING DETAIL
NOT TO SCALE



FLUSH HYDRANT INSTALLATION
NOT TO SCALE

DESIGNED: LER

DATE: MARCH 2011

DRAWN: SG

SCALE: AS NOTED

REVIEWED: LER

SHEET NO:

APPROVED: LER

CITY OF LOBELVILLE AND PERRY COUNTY TENNESSEE

REVISIONS

NO. DESCRIPTION

DATE

BY

THIS MARK SHOULD MEASURE EXACTLY 1" WHEN FABRICATED

SCALE CHECK

C-04

JAMES W. HARRIS
REGISTERED PROFESSIONAL ENGINEER
NO. 1478
STATE OF TENNESSEE

GRV PROJECT NO. 3027-02

CLIENT PROJECT NO. _____

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