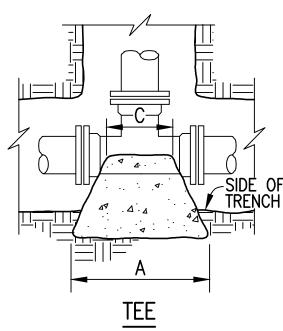


<u>PLUG</u>



- 1. 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.
- 2. THRUST BLOCKING TO BE POURED AGAINST UNDISTURBED EARTH.
- 3. IF EXACT SIZE PIPE BLOCKING IS NOT SHOWN, USE NEXT LARGER SIZE.
- 4. THRUST BLOCKING TO BE POURED IN PLACE CLASS C CONC.

BOTTOM OF TRENCH
TYPICAL SECTION

3/8"x 3" STEEL STRAP 90° BEND 16" | 12" | 10" | 8" | 6" | 4" | 2" 84 | 60 | 51 | 42 | 32 | 24 | 18 72 | 60 | 51 | 42 | 32 | 24 | 18 | 30 | 18 | 16 | 12 | 12 | 9 | 9 34 | 30 | 24 | 17 | 13 | 9 | 9 45° BEND 16" 12" 10" 8" 6" 4" 2" 58 | 43 | 38 | 32 | 24 | 18 | 12 58 | 43 | 38 | 32 | 24 | 18 | 12 24 | 16 | 14 | 12 | 12 | 8 | 8 24 18 15 12 9 6 6 ~3/8" U-BOLT 22 1/2° BEND 16" | 12" | 10" | 8" | 6" | 4" | 2" 42 | 32 | 27 | 24 | 18 | 12 | 9

42 | 32 | 27 | 24 | 18 | 12 | 9

18 | 16 | 14 | 12 | 10 | 8 | 8

| 18 | 13 | 11 | 9 | 6 | 4 | 4

16" | 12" | 10" | 8" | 6" | 4" | 2"

30 | 24 | 21 | 17 | 12 | 9 | 9

| 30 | 24 | 21 | 17 | 12 | 9 | 9

| 18 | 16 | 14 | 12 | 10 | 8 | 8

| 12 | 9 | 8 | 6 | 5 | 4 | 4

16" 12" 10" 8" 6" 4" 2"

| 66 | 52 | 43 | 34 | 27 | 20 | 18

66 52 43 34 27 20 18

| 12 | 12 | 12 | 12 | 12 | 12 | 12

| 44 | 32 | 22 | 15 | 11 | 11 | 11

66 | 52 | 43 | 34 | 43 | 26 | 26

66 | 52 | 43 | 34 | 43 | 26 | 26

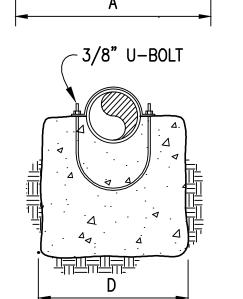
| 30 | 12 | 12 | 12 | 12 | 12 | 12 30 | 26 | 21 | 14 | 21 | 13 | 13

11 1/4° BEND

PLUG

В

DIMENSIONS ARE IN INCHES



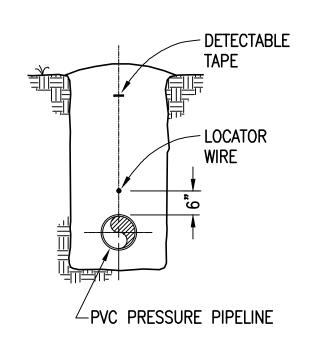
33 32.10											
SIZE	16"	12"	10"	8"	6"	4"	2"				
Α	85	67	60	54	42	34	30				
В	85	67	60	54	42	34	18				
С	80	63	56	50	38	30	16				
D	76	66	60	48	48	36	24				
45° BEND											
SIZE	16"	12"	10"	8"	6"	4"	2"				
Α	72	60	50	46	35	30	24				
В	72	60	50	46	35	28	24				
С	68	56	46	42	30	24	18				
D	72	60	60	48	48	36	24				
22 1/2° BEND											
SIZE	16"	12"	10"	8"	6"	4"	2"				
Α	58	50	42	38	30	24	18				
В	58	48	42	38	30	24	18				
С	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"				
Α	42	36	30	29	24	20	18				
В	42	36	30	29	24	20	18				
С	38	32	26	24	20	16	14				
D	60	48	48	36	30	24	24				
DIMENSIONS ARE IN INCHES											

90° BEND

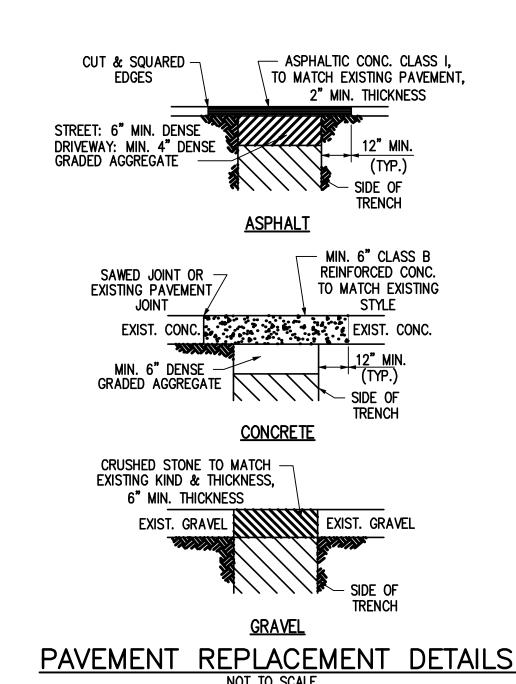
- 1. THRUST BLOCKS DESIGNED FOR 150 PSI PRESSURE. FOR GREATER PRESSURE QUANITIES WILL HAVE TO BE RECALCULATED.
- 2. THRUST BLOCKING TO BE POURED AGAINST UNDISTURBED EARTH.
- 3. IF EXACT SIZE PIPE BLOCKING IS NOT SHOWN, USE NEXT LARGER SIZE.
- 4. THRUST BLOCKING TO BE POURED IN PLACE CLASS "C" CONCRETE.

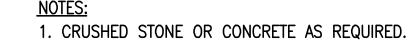
## VERTICAL CONCRETE ANCHOR

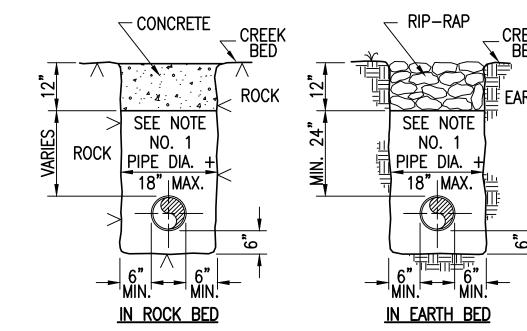
NOT TO SCALE



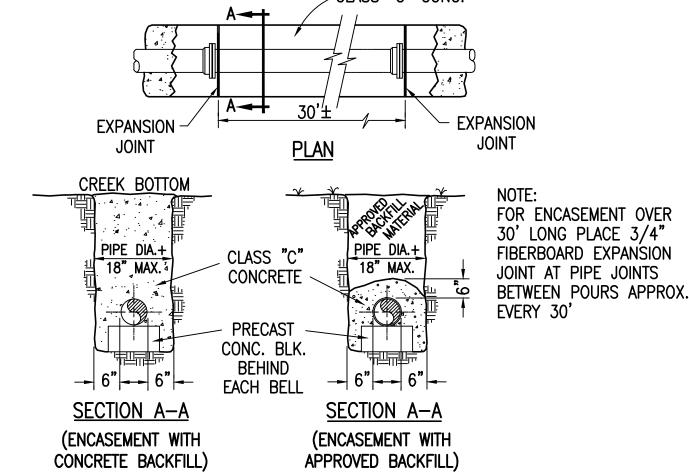
### DETECTABLE WIRE DETAIL NOT TO SCALE



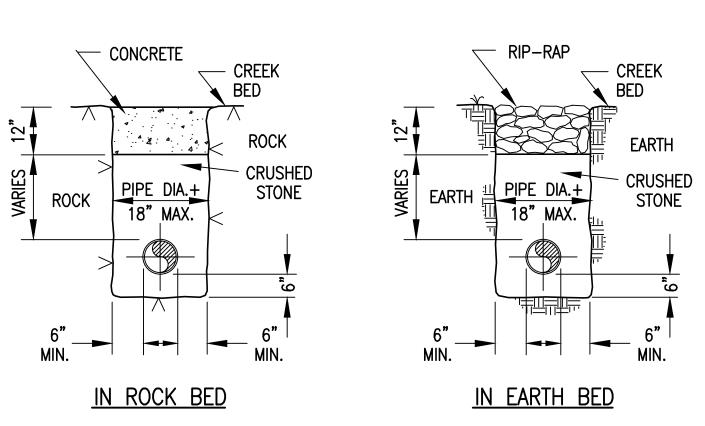




STANDARD DITCH CROSSING DETAIL NOT TO SCALE

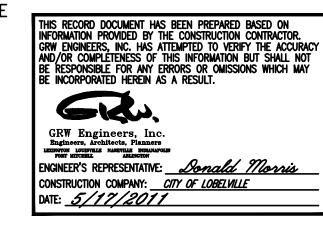


STANDARD CONCRETE ENCASEMENT NOT TO SCALE



DITCH CROSSING DETAIL

NOT TO SCALE



# CLASS "C" CONC.

**DETAILS** LINE ATE  $\geq$ STANDARD

WATER LINE EXTENSION VILLE, TENNESSEE

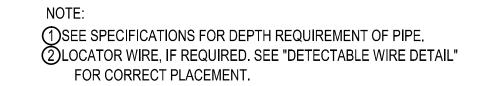
HIGHWAY 13 NORT CITY OF LOBI

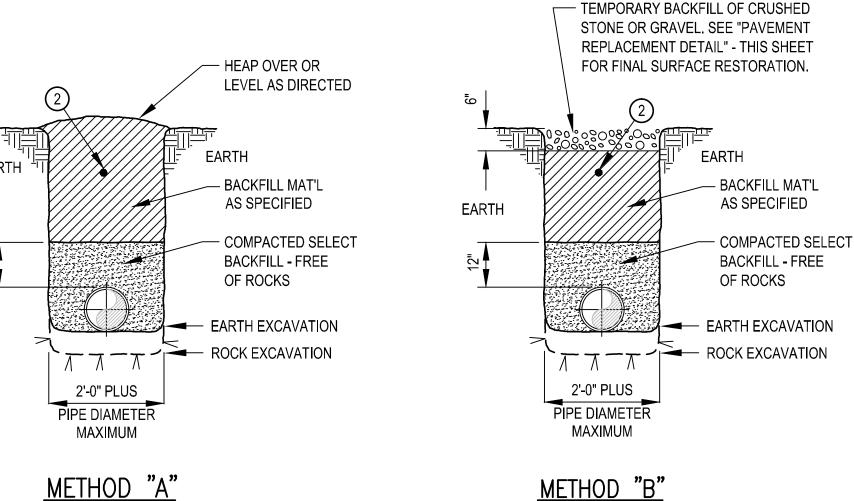
DESIGNED:	HMC	DRAWN:	CAJ	REVIEWED:	HMC	APPROVED:	HWL
	ВУ						PLOTTED
	DATE						LY 1" WHEN
EVISIONS	DESCRIPTION						THIS MARK SHOULD MEASURE EXACTLY 1" WHEN PLOTTED

OCTOBER 2010

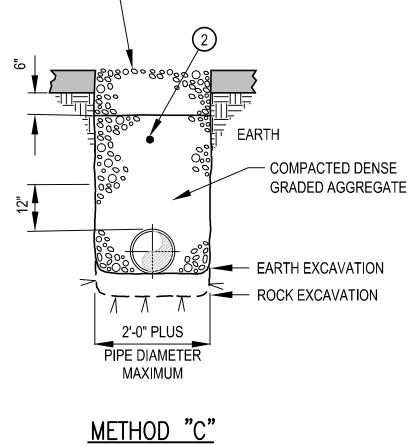
AS NOTED

# THRUST BLOCKING DETAIL NOT TO SCALE









(UNDER PAVED STREETS

**ROADS & DRIVEWAYS)** 

COMPACTED DENSE GRADED AGGREGATE

PAVEMENT RESTORATION. SEE "PAVEMENT

- 6" BELOW BOTTOM OF PAVEMENT TO

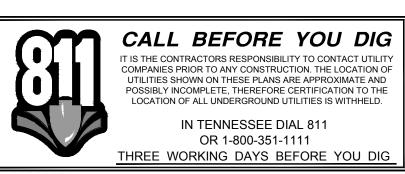
GRADE. REMOVE AS NECESSARY FOR

REPLACEMENT DETAIL" THIS SHEET.

# PRESSURE PIPE BEDDING & BACKFILLING DETAILS

(UNDER SIDEWALKS &

UNPAVED DRIVEWAYS)



(IN OPEN TERRAIN)

