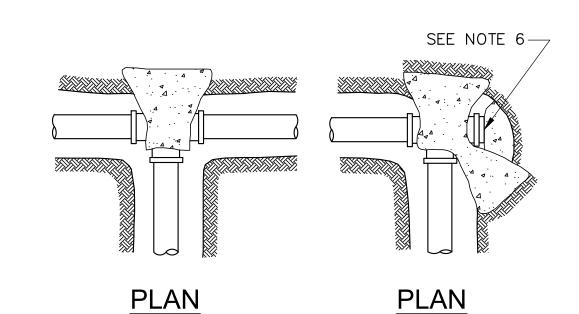


PLAN

**VALVES** 

# CROSSES

SEE NOTE 6



**TEES** 

### TABLE 1

BLIND FLANGE OR PLUG AT END OF

WATERMAIN

**ELEVATION** 

MINIMUM BEARING AREAS IN SQ.FT.				
MAIN SIZE	TEE	90° BEND	45° BEND	22 1/2° BEND
6"	4	4	4	3
8"	5	7	4	3
10"	9	12	6	4
12"	12	16	9	6

BASED ON 150 PSI W.W.R. PRESSURE & SOIL BEARING LOADS OF 2000 PSF THE RATIO OF WIDTH TO HEIGHT SHALL NOT EXCEED 1 1/2 TO 1

TEES, PLUGS, CAPS & HYDRANTS.

### NOTES:

PLAN

1. ALL ANCHOR AND THRUST BLOCKS SHALL BEAR AGAINST UNDISTURBED SOIL.

**PLAN** 

- 2. MINIMUM ALLOWABLE WATER PRESSURE FOR DESIGN OF THRUST BLOCKS IS 150 PSI. BEARING AREA INCREASE IN PRESSURE.
- 3. ALL CONCRETE USED IN THRUST BLOCKS SHALL ATTAIN 2000 PSI STRENGTH.
- 4. ALL ANCHOR RODS SHALL BE REINFORCING STEEL AND A MINIMUM OF 1/2-INCH IN DIAMETER.
- 5. USE ANCHOR BLOCKS AT VERTICAL BENDS WHEN PIPE IS ABOVE OR BELOW GROUND. SIZE OF BLOCK AND ROD SHALL BE AS SHOWN ON THE PLANS OR AS DETERMINED BY THE ENGINEER IN THE FIELD.
- 6. USE 30 POUND FELT TO INSURE COLD JOINT.
- 7. CONCRETE SHALL NOT COME INTO DIRECT WITH ASBESTOS CEMENT PIPE.
- 8. FOR PIPE 14" IN DIAMETER OR LARGER ENGINEER IS TO SUBMIT CALCULATIONS.

#### TARI F II

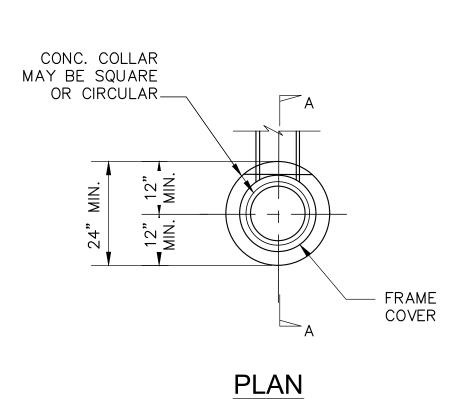
I ADLE II						
	SOIL TYPE	MAX. ALLOWABLE SOIL BEARING VALUES	FACTORS FOR INCREASING AREAS IN TABLE 1			
	LOOSE SAND	500 PSF	4			
	SOFT SANDY CLAY	1000 PSF	2			
	ADOBE	1000 PSF	2			
	COMPACT FINE SAND	2000 PSF	1			
	COMPACT COARSE SAND	2000 PSF	1			
	MEDIUM STIFF CLAY	2000 PSF	1			

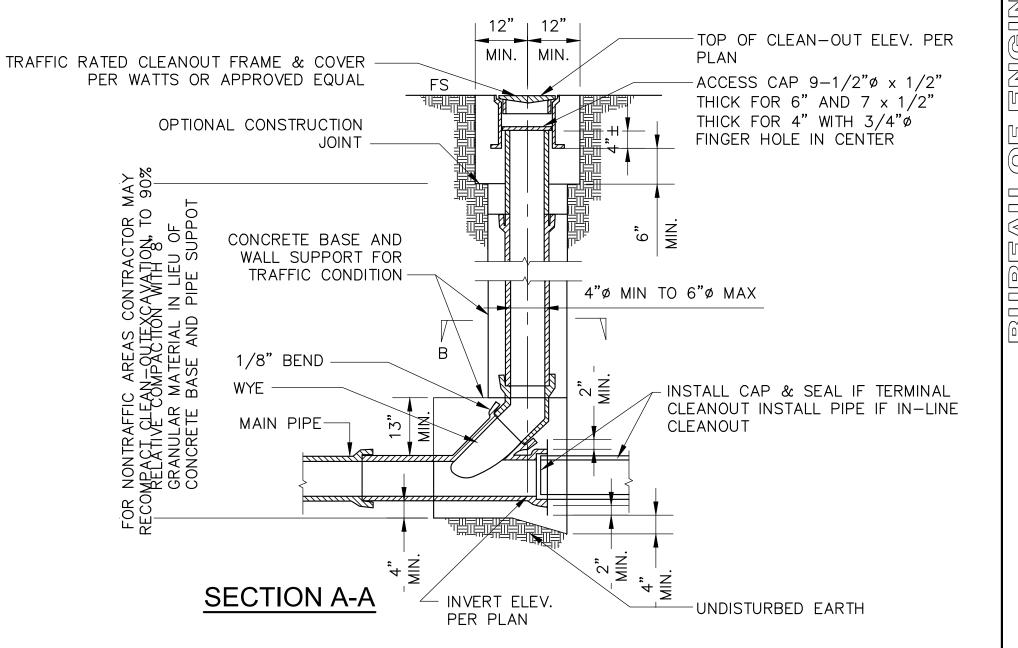
THE CONTRACTOR SHALL FOLLOW THE RECOMMENDATIONS OF GEOTECHNICAL REPORT FOR DETERMINING THE SAFE SOIL BEARING VALUES AND SIZE OF BEARING AREAS.

BASED ON 2 FEET MINIMUM DEPTH OF COVER OVER THE PIPE.

# CONCRETE BASE AND WALL SUPPORT 18" MIN.∣ FOR TRAFFIC LOAD CONDITIONS | MIN | MIN |

## **SECTION B-B**

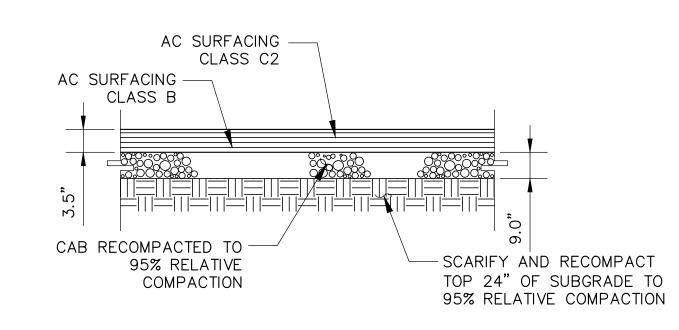




### NOTES:

- 1. FOR STORM DRAINAGE CLEAN OUT COVER, PROVIDE COVER WITH INSCRIPTION "D" TO DENOTE STORM DRAINAGE.
- 2. FOR SANITARY SEWER CLEAN OUT COVER, PROVIDE COVER WITH INSCRIPTION "S" TO DENOTE SANITARY SEWER.

# CLEANOUT DETAIL SCALE: NOT TO SCALE



#### NOTES:

- 1. FOR PAVEMENT TRANSITION DETAILS REFER TO DETAIL 4 ON SHEET C-5.00.
- 2. FOR PAVEMENT THICKNESS REFER TO SITE PLAN OR MATCH THICKNESS OF EXISTING PAVEMENT.



#E170517 PLAN FILE NO.

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3 ASPHALT PAVEMENT DETAIL SCALE: NOT TO SCALE

THRUST BLOCK DETAILS SCALE: NOT TO SCALE