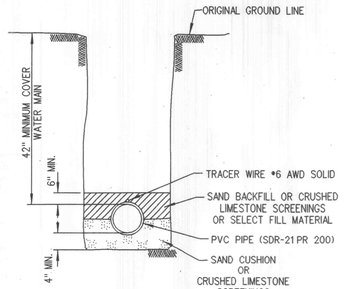
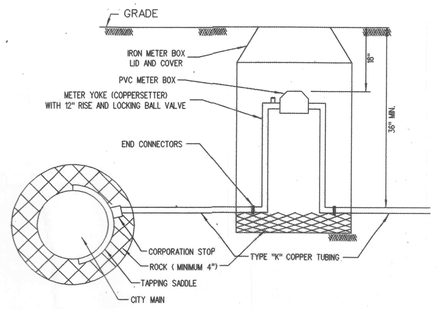


TRENCH DETAIL

STANDARD WATER METER INSTALLATION



MATERIAL LIST - 1" WATER METER SERVICE

1" Sensus SRII MTR, TRPL, 100 GL PLAS BNT

1" Meter Yoke with 12" Rise and Locking Ball Valve (B2404-1")

1" Corporation Stop (B25008-1")

2 - 1" End Connectors, Compression (H-14227-1")

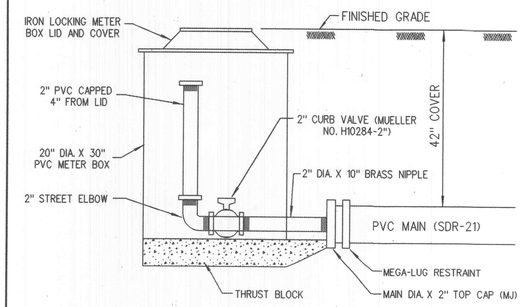
20 6150 MTR Box Cover LN w/TR

20" X 30" Meter Tile (MIDSTATES)

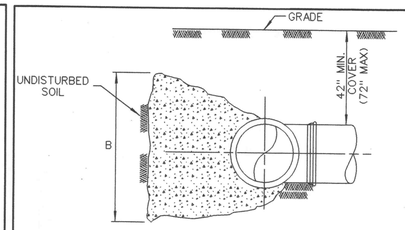
1" X 8" Tapping Saddle, PVC (H13433-1")

1" X 10" Tapping Saddle, PVC (H13434-1")

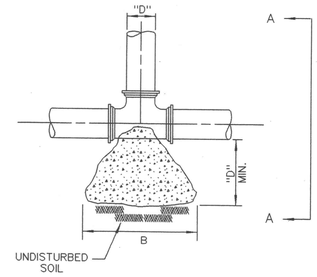
1" X 6" Tapping Saddle, PVC



STANDARD BLOW-OFF

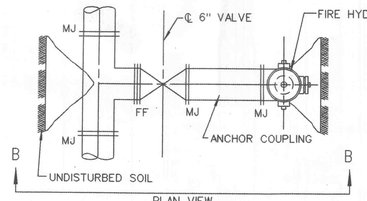


SECTION "A - A"
TYPICAL FOR ALL THRUST BLOCKS EXCEPT AS NOTED

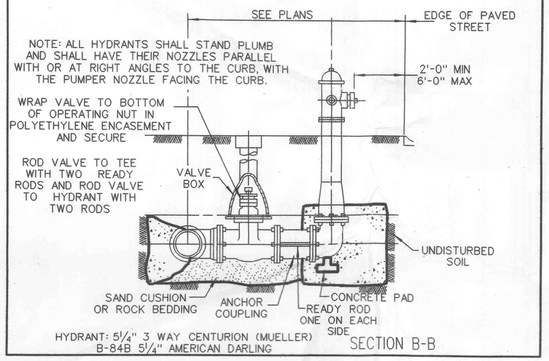


PLAN VIEW
TEE OR WYE BRANCH

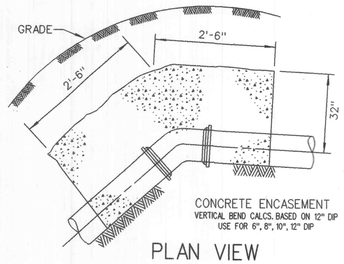
NOTE:
GRANULAR FILL REQUIRED WHERE WATER MAIN IS UNDER PAVEMENT AND TO 1:1 SHEAR PLANE LINE.



PLAN VIEW
FIRE HYDRANT, AUXILLARY VALVE AND VALVE BOX

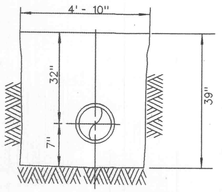


SECTION B-B

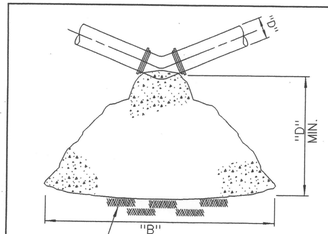


CONCRETE ENCASEMENT
VERTICAL BEND CALCS. BASED ON 12" DIP
USE FOR 6", 8", 10", 12" DIP

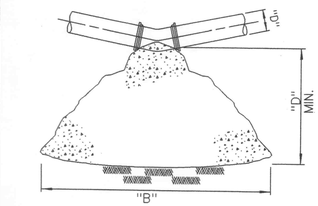
PLAN VIEW



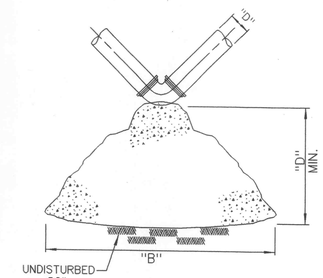
MAX. GRADE CHANGE
4:1 SLOPE



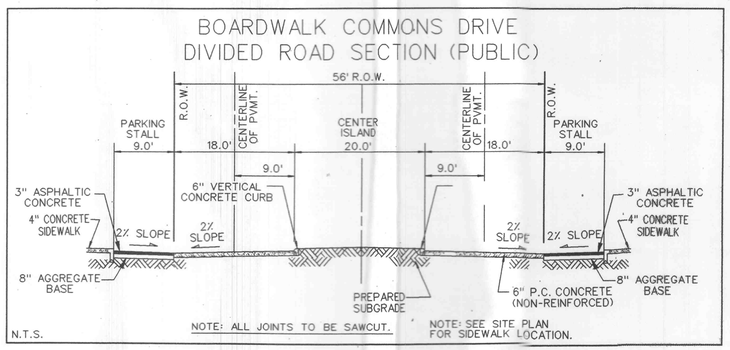
PLAN VIEW
45° BEND

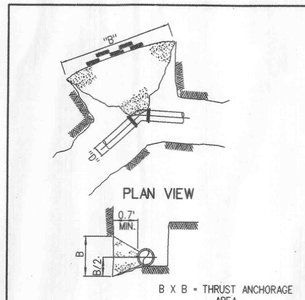


PLAN VIEW
22 1/2° BEND
11 1/4° BEND



PLAN VIEW
90° BEND





ELEVATION

THRUST BLOCK FOR HORIZONTAL OFFSETS

PIPE DIA.	90° BENDS		45° BENDS		22.5° BENDS		WYES & TEES	
DIM.	B	D	B	D	B	D	B	D
2"	1.0	0.7	1.0	0.7	1.0	0.7	1.0	0.7
3"	1.0	0.7	1.0	0.7	1.0	0.7	1.0	0.7
4"	1.0	0.7	1.0	0.7	1.0	0.7	1.0	0.7
6"	1.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0
8"	1.8	1.0	1.0	1.0	1.0	1.0	2.2	1.0
10"	2.3	1.2	1.7	1.2	1.2	1.2	2.7	1.2
12"	2.7	1.4	2.0	1.4	1.4	1.4	3.2	1.4
14"	3.2	1.5	2.4	1.5	1.7	1.5	3.2	1.5
16"	3.6	1.7	2.7	1.7	1.9	1.7	4.3	1.7

THRUST BLOCKS

Dimensions are in feet. Use above thrust block dimensions unless poor soil conditions (organics, saturated clay, etc.) dictate use of larger thrust area. See chart at top center of this sheet for determination of area of thrust block in poor soil conditions.

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VOLZ

MISSOURI REGISTERED ENGINEERS REGISTERED PROFESSIONAL ENGINEER RUDY VOLZ E-24685

WINGHAVEN

BOARDWALK COMMONS AT W

CONSTRUCTION DETAILS

Base Map No.	Design By: G.A.S.
P.	Drawn By: K.L.A.
6500-35	Checked By: T.J.M.

4-29-02

18

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REVISED 6-10-02