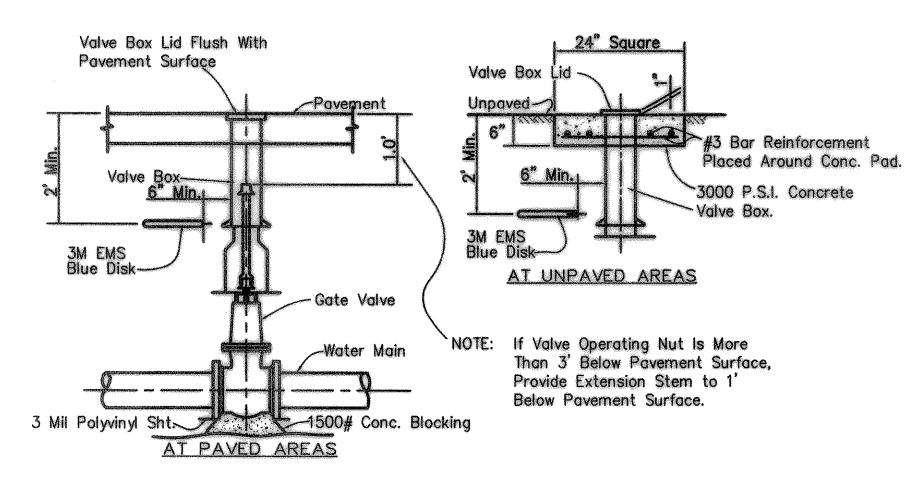
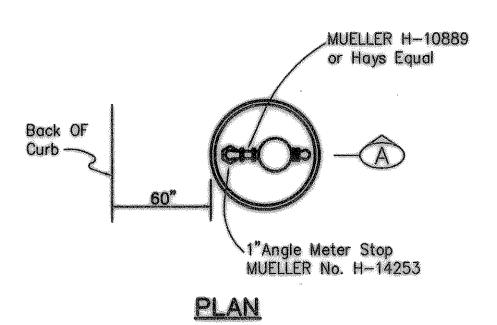


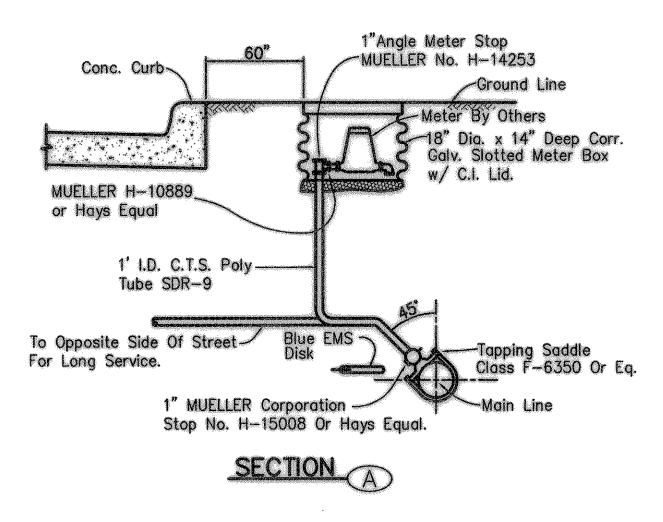
TYPICAL FIRE HYDRANT INSTALLATION Not To Scale



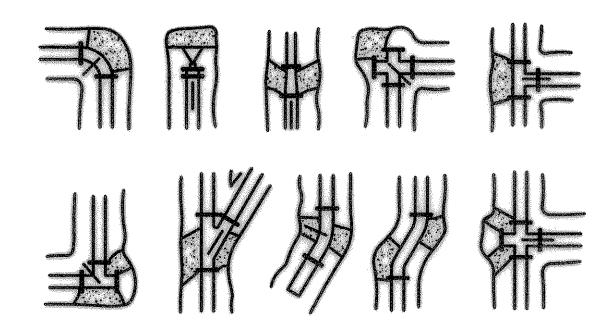
TYPICAL GATE VALVE AND BOX EXTENSION STEM DETAIL

Not To Scale





SINGLE SERVICE CONNECTION Not To Scale



TYPICAL THRUST BLOCKING DETAILS

TYPICAL THRUST BLOCKING DETAILS

NOTES:

- The earth bearing surface shall be undisturbed material. Keep all joints free from concrete. Thrust block to be constructed of 1,500 P.S.I. (20 day) concrete and placed as shown on "Typical Blocking Details" above.
- It shall be the responsibility of the contractor to install adequate thrust blocking. The HORIZONTAL BLOCKING TABLE shows the minimum thrust blocking area required (in square feet) bearing against undisturbed trench wall.
- All fittings shall be blocked regardless of the angle or direction, except as noted in the chart.
- Soil bearing strength is assumed. To be 2,000 P.S.F. site conditions may vary which will require modifications to the blocking calculations.

HORIZONTAL BLOCKING TABLE

AREA REQUIRED (IN SQUARE FEET) BEARING AGAINST UNDISTURBED TRENCH WALL
THRUST BLOCKING (SQUARE FEET)

PIPE SIZE (IN.)	(POUNDS) DEAD END AND TEE	DEOCKING (DOOMKE TEET)					
		DEAD END AND TEE	8END 90.	45" BEND	22-1/2* BEND	11-1/4° BEND	5° DE515(
_4	2,450	1,23	1.73	0.94	0,50	0.50	0.50
6	5,513	2.76	3.90	2.11	1,08	0,54	0,50
	9,802	4.90	6.93	3.75	1.91	0.96	0,50
10	15,315	7.66	10.83	5.86	2,99	1,50	0.67
12	22,054	11.03	15.59	8.43	4,30	2.16	0.96

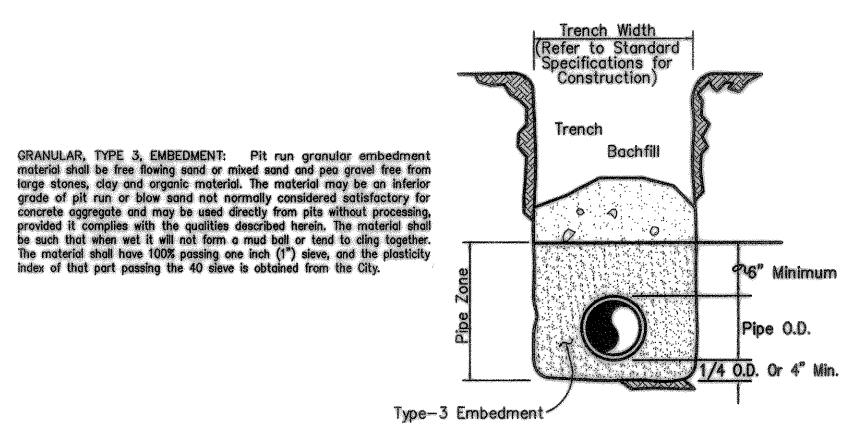
RECORD BRAVINGS:

THE INTENT OF THE OWNER AND ENGINEER WAS TO CONSTRUCT THESE FACILITIES ACCORDING TO THE LINES AND GRADES WERE SET ON THE GROUND FOR CONSTRUCTION ACCORDING TO SAID PLANS.

THE CITY OF INSPECTED ACCORDING TO SAID PLANS.

THE CONSTRUCTION. THE OWNER FOR CORDING TO SAID PLANS.

THE CONSTRUCTION. THE OWNER HOR ENGINEER DID NOT VERIFY LINES OR GRADES AFTER CONSTRUCTION. WE ARE NOT AWAYS OF ANY CHANGES OR REVISIONS TO THESE PLANS DURING CONSTRUCTION EXCEPT AS NOTED



PIPE EMBEDMENT DETAIL-WATER

PPEARING ON THIS TO THE THE WAS AUTHORIZED BY WILL DOUDPHRATE III RATE II EXAS P.E. 60102

TE ASSOCIATES, INC.
ENGINEERING. PROJECT MANAGEMENT. SURVEYING
RD., # 200 ROCKWALL, TEXAS 75087

SEEKSIDE VILLAGE, PHASE III
CITY OF ROCKWALL
COUNTY OF ROCKWALL

REVISION

W.L.D.

CHECKED

K.E.B.

DRAWN

4/10/00

9960DET5
PROJECT
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DATE

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