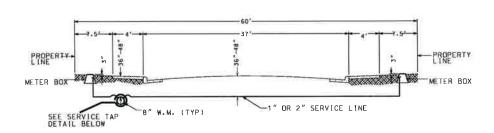
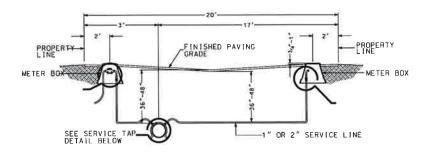
NOTE:
FIRE HYDRANT SHALL BE MUELLER "CENTURION"
OR APPROVED EQUAL. EXTERIOR SURFACES BELOW
GROUND SHALL BE COATED WITH AN ASPHALT
VARNISH. TWO COATS. ALL EXTERIOR SURFACES
ABOVE GROUND SHALL HAVE AN OXIDE PRIMER COAT.
ALL HYDRANTS SHALL BE EQUIPPED WITH A
BREAKAWAY FLANGE.



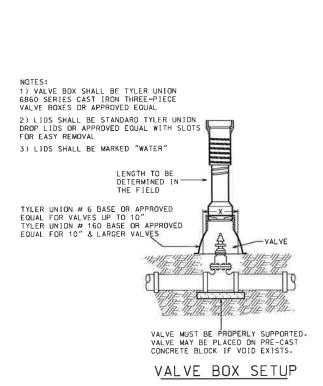
TYPICAL INSTALLATION - STREETS
REFER TO SHEET 2 OF 2 FOR METER DETAILS



TYPICAL INSTALLATION - ALLEYS
REFER TO SHEET 2 OF 2 FOR METER DETAILS



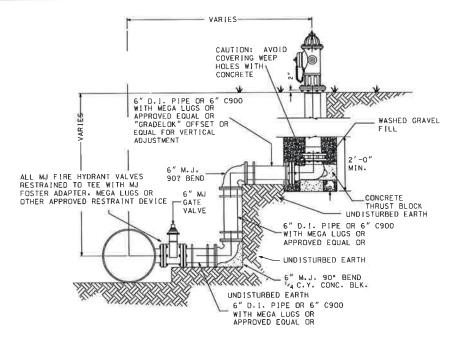
SERVICE TAP ON MAINS 24" OR SMALLER



1" SQUARE OPERATING NUT TURN COUNTER-CLOCKWISE TO OPEN 1-41/2" STEAMER NOZZLE 2-2 1/2 " HOSE NOZZLES (NAT. STD. THREAD) BACKF ILL ALL MJ FIRE HYDRANT VALVES RESTRAINED TO TEE WITH MJ FOSTER ADAPTER, MEGA LUGS, OR OTHER APPROVED RESTRAINT DEVICE WASHED GRAVEL-2"-0" MIN. "MJ GRADELOK" OFFSET OR EQUAL (WHEN USING 6" X 24" OFFSET, GROUND TO CENTER OF PIPE DEPTH SHALL NOT EXCEED 5'6") OFFSET RESTRAINED WITH CONCRETE THRUST BLOCK AVOID CONCRETE OR PRE-CAST CAUTION: COVERING WEEP HOLES WITH CONCRETE BLOCK RESTING ON UNDISTURBED DIRT OR MEGA LUGS OR APPROVED EQUAL CONCRETE GRAVEL BACKFILL USE OFFSET WHEN VERTICAL OR HORIZONTAL ALIGNMENT IS REQUIRED

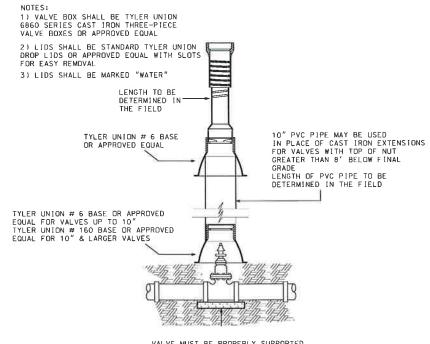
FIRE HYDRANT DETAIL (FOR FIRE HYDRANTS 4' TO 5'6" DEEP)

SEE INSET NOTE ABOVE



DEEP BURY FIRE HYDRANT (FOR FIRE HYDRANTS GREATER THAN 5'6" DEEP)

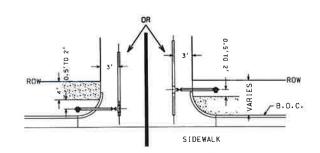
SEE INSET NOTE ABOVE



VALVE MUST BE PROPERLY SUPPORTED. VALVE MAY BE PLACED ON PRE-CAST CONCRETE BLOCK IF VOID EXISTS.

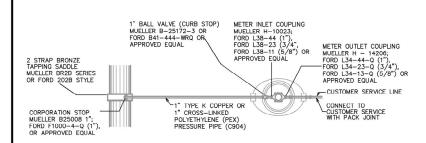
DEEP VALVE BOX SETUP

FOR VALVES WITH TOP OF NUT MORE THAN 8' BELOW FINAL GRADE

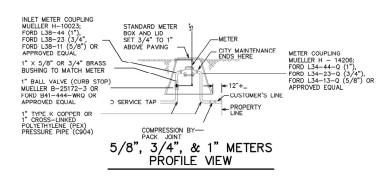


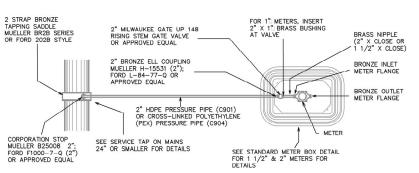
TYPICAL FIRE HYDRANT INSTALLATIONS
ADJACENT TO SIDEWALKS

	S	TANDARD DETAIL SHEE (WATER - 1 of 2)	ET				
DRAWN BY:	к. с						
APPROVED BY:	Kyle Sc						
PATH: KIZCADZUTIZ	tandards/Vater	AMARILLO					
HORZ. SCALE VERT. SCALE	NONE	DATE 1/12/2017	CAPITAL PROJECTS & DEVELOPMENT ENGINEERING				
W-D- ND-		SHEET SD-W-1	DEVELOPMENT ENGINEERIN				



5/8", 3/4", & 1" METERS PLAN VIEW





1 1/2" AND 2" METERS PLAN VIEW

FOR 1 1/2" METERS, INSERT 2" X 1 1/2" BRASS BUSHING

AT VALVE

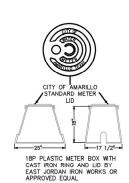
2" MILWAUKEE GATE UP 148 RISING STEM CATE VALVE OR APPROVED EQUAL

2" BRONZE ELL COUPLING MUELLER H-15531 (2"); FORD L-84-77-Q OR APPROVED EQUAL

2" HDPE PRESSURE PIPE (C901)

SEE SERVICE TAP ON MAINS 24" OR SMALLER FOR DETAILS

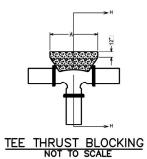
OR CROSS-LINKED POLYETHYLENE (PEX) PRESSURE PIPE (C904)



EXTERIOR SURFACE SHALL BE BLACK 1 1/2" AND 2" METERS INTERIOR SURFACE SHALL BE BRIGHT WHITE PROFILE VIEW STANDARD METER BOX DETAIL (FOR METERS UP TO 1")

CITY STANDARD METER - BOX FOR 1 1/2" OR 2" METERS

BRONZE OUTLET METER FLANGE



NOTE: IF FINISH GRADE IS DIRT ADJUST BOX 3"-4" BELOW GRADE.

THREADED EI

NOTE: CONCRETE BLOCKING MAY BE ELIMINATED IF DRILLED PLUG RESTRAINED WITH MEGA LUGS ON RESTRAINED JOINT PVC PIPING

TYPICAL FLUSH VALVE INSTALLATIONS

CONCRETE BLOCKING

PAVING -

2" DRILLED PLUG

2" X 8" BRASS NIPPLE



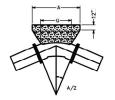
SECTION H - H

∕2" DRILLED PLUG

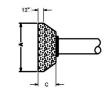
SECTION A-A

2" MILWAUKEE GATE UP 148 RISING STEM GATE VALVE

OR APPROVED EQUAL



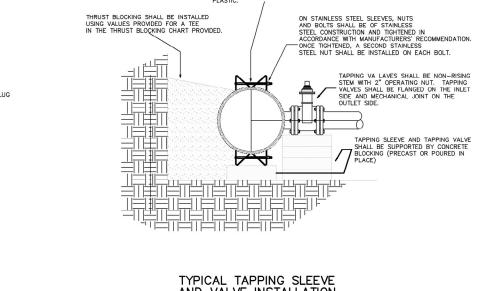
BEND THRUST BLOCKING NOT TO SCALE



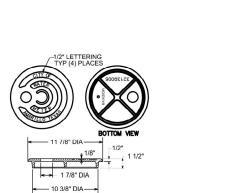
PLUG/CAP THRUST BLOCK NOT TO SCALE

		= 1	1.25		= 22			22.50).		= 45°					= 90*			TEE/PLUG				FIRE HYDRANT						
			ARTH				EARTH				EARTH				EARTH														
I.D. (in)	G (ft.)	(ft.)	(ft.)	(C.Y.)	I.D. (in)	G (ft.)	(fL)	(ft.)	(C.Y.)	I.D. (in)	G (ft.)	(ft.)	(ft.)	VOL. (C.Y.)	I.D. (in)	G (ft.)	(ft.)	(ft.)	VOL. (C.Y.)	I.D. (in)	(fL)	(ft.)	(ft.)	VOL (C.Y.)	I.D. (in)	G (ft.)	(ft.)	(ft.)	(C.Y.)
4, 6, 8	0.4	1.0	1.5	0.1	4, 6, 8	0.8	1.5	1.5	0.1	4, 6, 8	1.5	2.0	2.0	0.2	4, 6, 8	2.7	5.0	1.5	0.4	4, 6, 8	1.5	1.5	2.5	0.3	6	2.7	5.0	1.5	0.4
10, 12	0.6	1.5	1.5	0.1	10, 12	1.1	2.0	2.5	0.3	10, 12	2.2	3.5	2.5	0.5	10, 12	4.0	6.5	2.5	1.0	10, 12	1.5	2.5	3.5	0.6	\times	\times	\times	\times	\bowtie
16, 18	0.8	2.0	2.5	0.2	16, 18	1.6	3.0	3.5	0.6	16, 18	3.2	4.5	4.5	1.2	16, 18	6.0	9.0	4.0	2.4	16, 18	2.0	4.0	5.5	1.6	$\supset \!$	\bowtie	X	\times	\bowtie

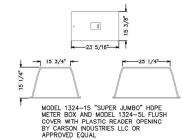
TAPPING SLEEVES SHALL BE CAST IRON, DUCTILE IRON, OR STAINLESS STEEL CONSTRUCTION REGARDLESS OF SIZE OF MAIN BEING TAPPED. NO CARBON STEEL OF POXY COATED CARBON STEEL SHALL BE ACCEPTABLE. ALL TAPPING SLEEVES SHALL BE WRAPPED IN 8 MIL POLYETHYLENE PLASTIC.







STANDARD METER LID DETAIL (FOR METER LIDS WITH 1 7/8" DIA HOLE)



STANDARD METER BOX DETAIL (FOR 1 1/2" & 2" METERS)

CITY OF AMARILLO® CAPITAL PROJECTS & DEVELOPMENT ENGINEERING	
PROJECT DESCRIPTION:	

REVISIONS SHEET TITLE: STANDARD WATER DETAIL SHEET DESIGNED BY JERRY HUNT 5/22/23 CALE: N/A JACKSON ZAHARIA

2 OF 2

SHEET NO