SUB-ENGINEERING.CTB

MATERIAL LIST

A. SERVICE CLAMP REQUIRED.

B. 1" CORPORATION STOP – SERVICE PIPE OUTLET.

C. 1" SERVICE PIPE.

D. LOCKING ANGLE METER STOP; SERVICE PIPE INLET X SWIVEL COUPLING NUT OUTLET:
– FOR 5/8" AND 3/4" METERS: 1" X 3/4"
– FOR 1" METERS: 1" X 1"

E. PLASTIC RECTANGULAR METER BOX. (SEE TABLE BELOW)

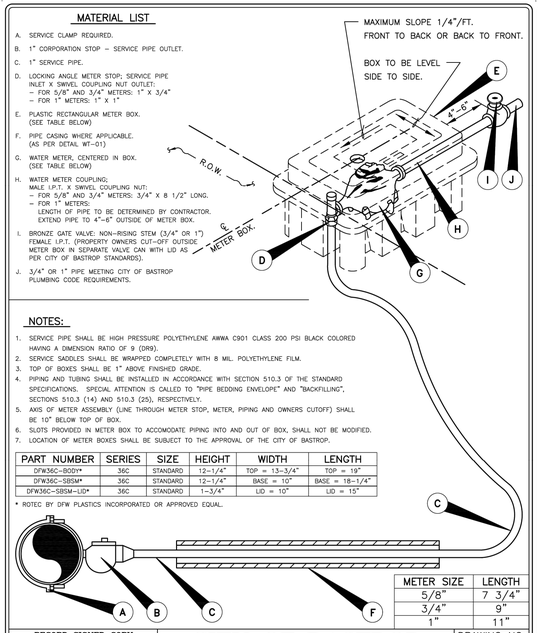
F. PIPE CASING WHERE APPLICABLE. (AS PER DETAIL WT-01)

G. WATER METER, CENTERED IN BOX. (SEE TABLE BELOW)

H. WATER METER COUPLING;
MALE I.P.T. X SWIVEL COUPLING NUT;
– FOR 5/8" AND 3/4" METERS: 3/4" X 8 1/2" LONG.
– FOR 1" METERS:
LENGTH OF PIPE TO BE DETERMINED BY CONTRACTOR. EXTEND PIPE TO 4"-6" OUTSIDE OF METER BOX.

I. BRONZE GATE VALVE: NON-RISING STEM (3/4" OR 1") FEMALE I.P.T. (PROPERTY OWNERS CUT-OFF OUTSIDE METER BOX IN SEPARATE VALVE CAN WITH LID AS PER CITY OF BASTROP STANDARDS).

J. 3/4" OR 1" PIPE MEETING CITY OF BASTROP PLUMBING CODE REQUIREMENTS.



NOTES:

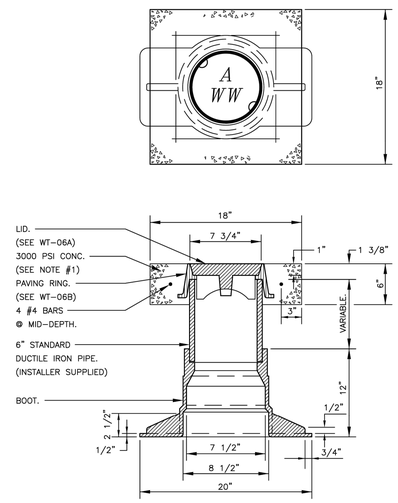
1. SERVICE PIPE SHALL BE HIGH PRESSURE POLYETHYLENE AWWA C901 CLASS 200 PSI BLACK COLORED HAVING A DIMENSION RATIO OF 9 (DR9).
2. SERVICE SADDLES SHALL BE WRAPPED COMPLETELY WITH 8 MIL. POLYETHYLENE FILM.
3. TOP OF BOXES SHALL BE 1" ABOVE FINISHED GRADE.
4. PIPING AND TUBING SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 510.3 OF THE STANDARD SPECIFICATIONS. SPECIAL ATTENTION IS CALLED TO "PIPE BEDDING ENVELOPE" AND "BACKFILLING", SECTIONS 510.3 (14) AND 510.3 (25), RESPECTIVELY.
5. AXIS OF METER ASSEMBLY (LINE THROUGH METER STOP, METER, PIPING AND OWNERS CUTOFF) SHALL BE 10" BELOW TOP OF BOX.
6. SLOTS PROVIDED IN METER BOX TO ACCOMODATE PIPING INTO AND OUT OF BOX, SHALL NOT BE MODIFIED.
7. LOCATION OF METER BOXES SHALL BE SUBJECT TO THE APPROVAL OF THE CITY OF BASTROP.

PART NUMBER	SERIES	SIZE	HEIGHT	WIDTH	LENGTH
DFW36C-BODY*	36C	STANDARD	12-1/4"	TOP = 13-3/4"	TOP = 19"
DFW36C-SBSM*	36C	STANDARD	12-1/4"	BASE = 10"	BASE = 18-1/4"
DFW36C-SBSM-LID*	36C	STANDARD	1-3/4"	LID = 10"	LID = 15"

* ROTEC BY DFW PLASTICS INCORPORATED OR APPROVED EQUAL.

METER SIZE	LENGTH
5/8"	7 3/4"
3/4"	9"
1"	11"

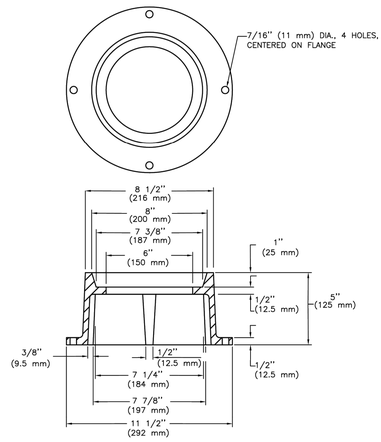
RECORD SIGNED COPY ON FILE AT PUBLIC WORKS	CITY OF BASTROP	DRAWING NO: WT-02
APPROVED MAY 24, 2011 DATE	SINGLE 5/8", 3/4" OR 1" WATER METER DETAIL	
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR THE APPROPRIATE USE OF THIS DETAIL.		



NOTE:

1. DELETE CONCRETE & REBAR WHEN VALVE IS WITHIN PAVED STREET.

RECORD SIGNED COPY ON FILE AT PUBLIC WORKS	CITY OF BASTROP	DRAWING NO: WT-06
APPROVED MAY 24, 2011 DATE	VALVE BOX ASSEMBLY DETAIL	
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR THE APPROPRIATE USE OF THIS DETAIL.		



NOTES:

1. MATERIALS SHALL BE GRAY CAST IRON, ASTM A48, GRADE 30B.
2. THE MANUFACTURER'S IDENTIFICATION & CASTING NUMBER & THE COUNTRY WHERE CAST, SHALL BE DISTINCTLY CAST ONTO EACH RING.
3. DRAFT & SHRINKAGE ALLOWANCE SHALL BE IN ACCORD WITH NORMAL FOUNDRY PRACTICE.
4. FINISH BY REMOVING FINS & FLASHING; PAINT WITH BLACK ASPHALT COATING.
5. WEIGHT: APPROXIMATELY 10.5 KG (23 LBS).

RECORD SIGNED COPY ON FILE AT PUBLIC WORKS	CITY OF BASTROP	DRAWING NO: WT-06B
APPROVED MAY 24, 2011 DATE	VALVE BOX CASTING PAVING RING	
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR THE APPROPRIATE USE OF THIS DETAIL.		

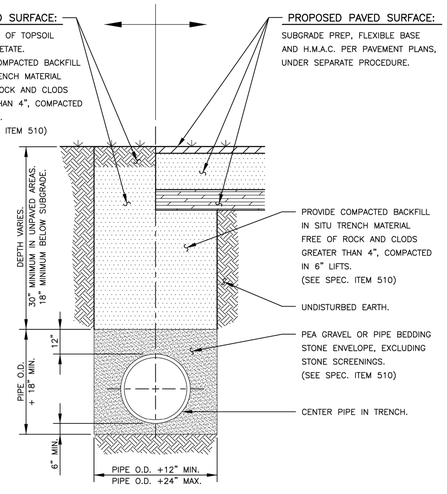
NON–PAVED SURFACE:

(A) PROVIDE 4" OF TOPSOIL AND REVEGETATE.

(B) PROVIDE COMPACTED BACKFILL IN SITU TRENCH MATERIAL FREE OF ROCK AND CLODS GREATER THAN 4", COMPACTED IN 6" LIFTS. (SEE SPEC. ITEM 510)

PROPOSED PAVED SURFACE:

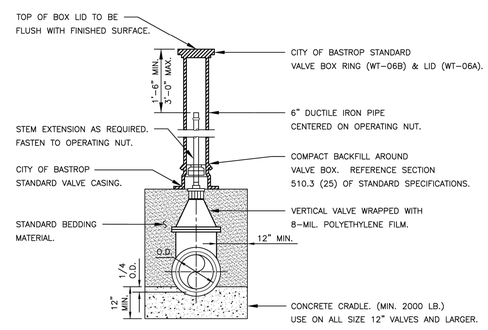
SUBGRADE PREP, FLEXIBLE BASE AND H.M.A.C. PER PAVEMENT PLANS, UNDER SEPARATE PROCEDURE.



NOTE:

ALL TRENCHING AND TRENCH SAFETY SHALL COMPLY WITH APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.

RECORD SIGNED COPY ON FILE AT PUBLIC WORKS	CITY OF BASTROP	DRAWING NO: WT-08
APPROVED MAY 24, 2011 DATE	WATERLINE BEDDING AND SURFACE REPAIR DETAIL (NON–PAVED & PROPOSED PAVED SURFACES)	
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR THE APPROPRIATE USE OF THIS DETAIL.		



RECORD SIGNED COPY ON FILE AT PUBLIC WORKS	CITY OF BASTROP	DRAWING NO: WT-11
APPROVED MAY 24, 2011 DATE	VERTICAL VALVE INSTALLATION DETAIL	
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR THE APPROPRIATE USE OF THIS DETAIL.		

SLI GROUP, INC.
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Civil Engineering ◆ Surveying
5501 West William Cannon ◆ Austin, Texas 78749
Phone No. (512) 280-5160 ◆ Fax No. (512) 280-5165

REVISIONS

MARK	DESCRIPTION	DATE
	ISSUED FOR CONSTRUCTION	11-02-26

PRINT DATE: October 2026

STATE OF TEXAS
JOANN A. EAGLE
97597
LICENSED PROFESSIONAL ENGINEER
CARLSON, BRIGANCE & DOERING, INC.
11/02/26 ID# F3791

DRAWING TITLE
WATER DETAILS

DRAWN BY	CP
CHECKED BY	JAE
APPROVED BY	JAE

SHEET NO. C-15

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