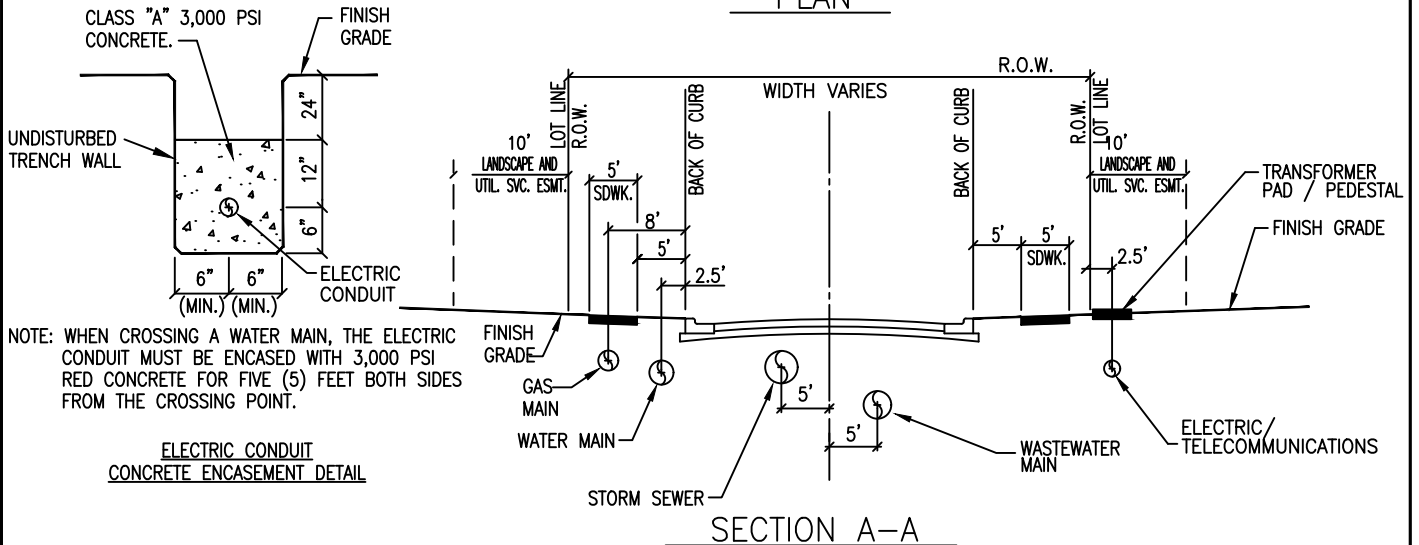


PLAN



SECTION A-A

MINIMUM COVER BELOW FINISH-GRADE ALL UTILITIES UNDER ROADWAY - 36"	
ELECTRIC PRIMARY	42"
ELECTRIC SECONDARY	24"
WATER	36"
WASTEWATER	42"
STORM SEWER	36"
GAS	36"
TELECOMMUNICATIONS	36"

CLASSIFICATION	B-B	PVMT.
COLLECTOR 2 LANE	37'	33'
COLLECTOR 4 LANE	49'	45'
MAJOR ARTERIAL 4 LANE	25'	21'
MAJOR ARTERIAL 6 LANE	37'	33'
COMMERCIAL 2 LANE	60'	56'
COMMERCIAL 4 LANE	80'	76'

NOTE: SEE TYPICAL TRENCH DETAIL E-01 FOR PRIMARY / SECONDARY / TELECOMMUNICATION DEPTH.



CITY OF BURNET
DEPARTMENT OF PUBLIC WORKS

UTILITY ASSIGNMENTS FOR MINOR
ARTERIAL AND MAJOR ARTERIAL
ROADWAYS

APPROVED BY:

STAFF

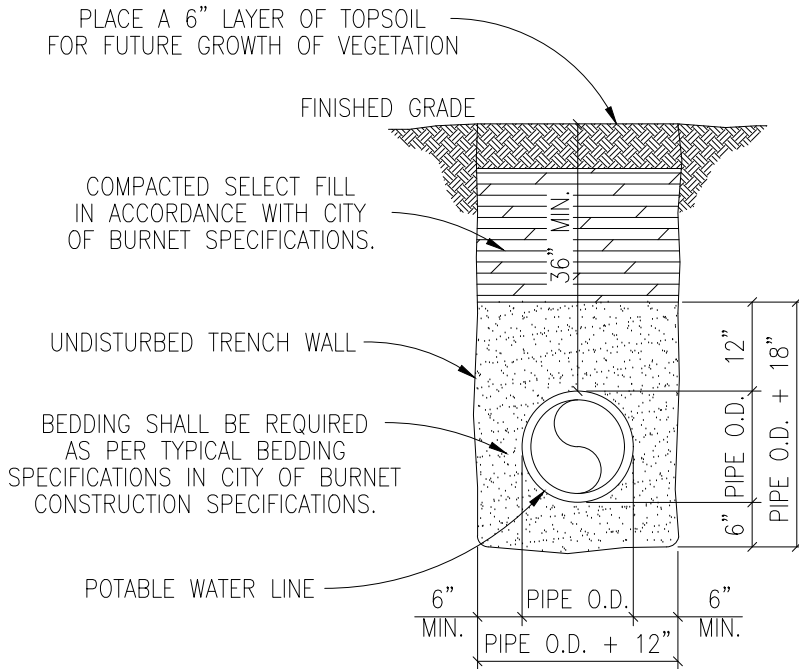
DATE:

11/2020

The Architect/Engineer
assumes responsibility
for appropriate use of
this standard.

DETAIL NUMBER:

W-01



TRENCH WIDTHS

- *PIPE LESS THAN 20" DIAMETER
1'-0" + PIPE O.D.
- *20" DIAMETER PIPE AND LARGER
2'-0" + PIPE O.D.



CITY OF BURNET
DEPARTMENT OF PUBLIC WORKS

TRENCH AND EMBEDMENT
STANDARD UNDER NON-PAVED
AREAS

APPROVED BY:

STAFF

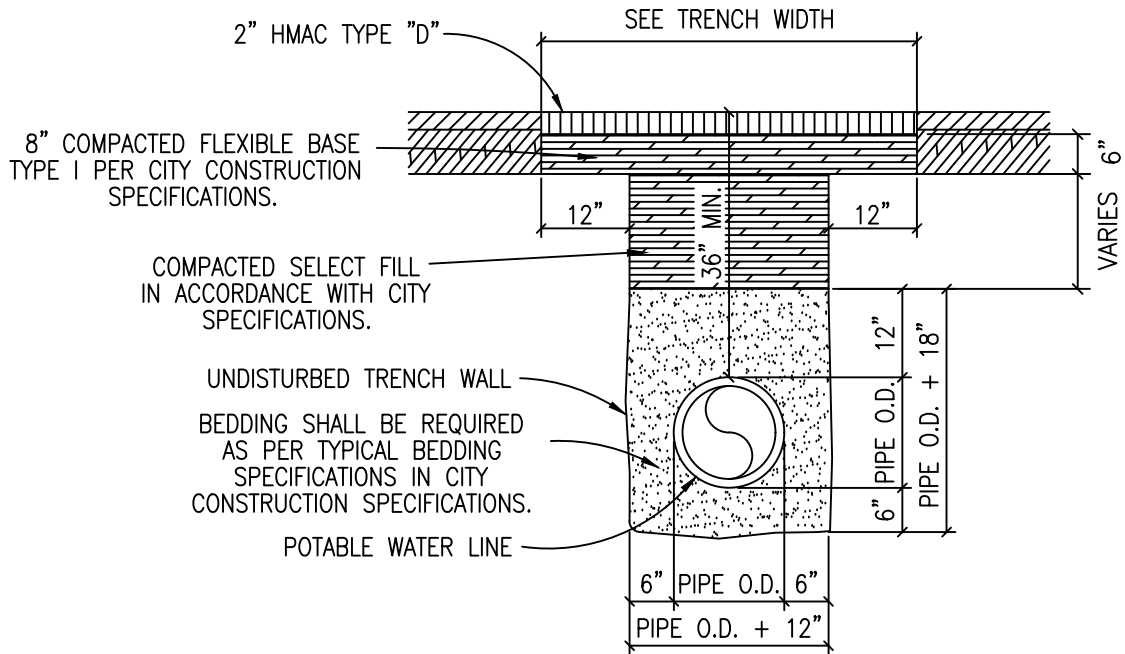
DATE:

08/2020

The Architect/Engineer
assumes responsibility
for appropriate use of
this standard.

DETAIL NUMBER:

W-02



TRENCH WIDTHS

- *PIPE LESS THAN 20" DIAMETER
1'-0" + PIPE O.D.
- *20" DIAMETER PIPE AND LARGER
2'-0" + PIPE O.D.

NOTES:

1. REPLACED BASE MATERIAL OVER DITCH SHALL BE TWICE THE THICKNESS OF THE ORIGINAL BASE.
2. BASE MATERIAL SHALL BE IN LIFTS NOT TO EXCEED 6" AND EACH LIFT THOROUGHLY ROLLED OR TAMPED TO SPECIFIED MAXIMUM DENSITY.
3. ASPHALT CONCRETE PAVEMENT JOINTS SHALL BE MECHANICALLY SAWED.
4. SURFACE MATERIAL WILL BE CONSISTENT WITH THE EXISTING SURFACE.
5. DENSITY TESTS SHALL BE TAKEN IN ACCORDANCE WITH THE CITY CONSTRUCTION SPECIFICATIONS AND STANDARDS.
6. CONTRACTOR OR ENGINEER MAY USE FLOWABLE BACKFILL AS AN ALTERNATE BACKFILL MATERIAL.



CITY OF BURNET
DEPARTMENT OF PUBLIC WORKS

TRENCH AND EMBEDMENT AND
PAVEMENT REPLACEMENT STANDARD
UNDER EXISTING ROADWAY

APPROVED BY:

STAFF

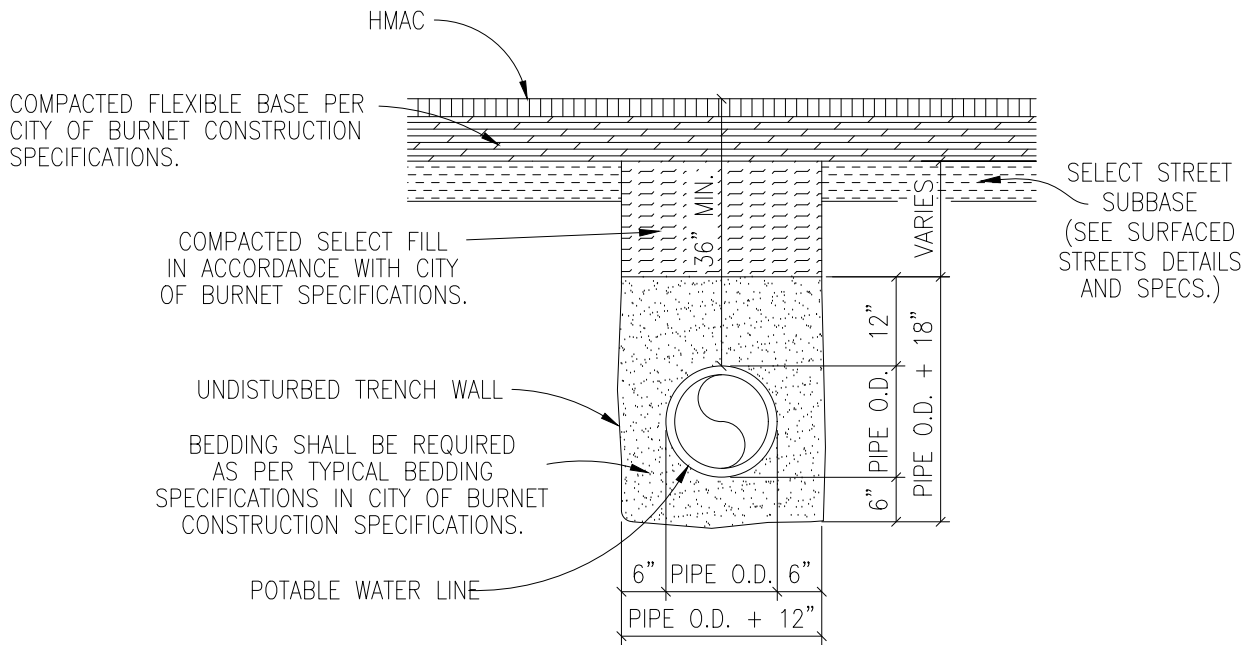
DATE:

08/2020

The Architect/Engineer
assumes responsibility
for appropriate use of
this standard.

DETAIL NUMBER:

W-03



TRENCH WIDTHS

- *PIPE LESS THAN 20" DIAMETER
1'-0" + PIPE O.D.
- *20" DIAMETER PIPE AND LARGER
2'-0" + PIPE O.D.

NOTES:

1. DENSITY TESTS SHALL BE TAKEN IN ACCORDANCE WITH THE CITY OF BURNET CONSTRUCTION SPECIFICATIONS AND STANDARDS.
2. CONTRACTOR OR ENGINEER MAY USE FLOWABLE BACKFILL AS AN ALTERNATE BACKFILL MATERIAL.



CITY OF BURNET
DEPARTMENT OF PUBLIC WORKS

**TRENCH AND EMBEDMENT
STANDARD UNDER PROPOSED
ROADWAYS**

APPROVED BY:

STAFF

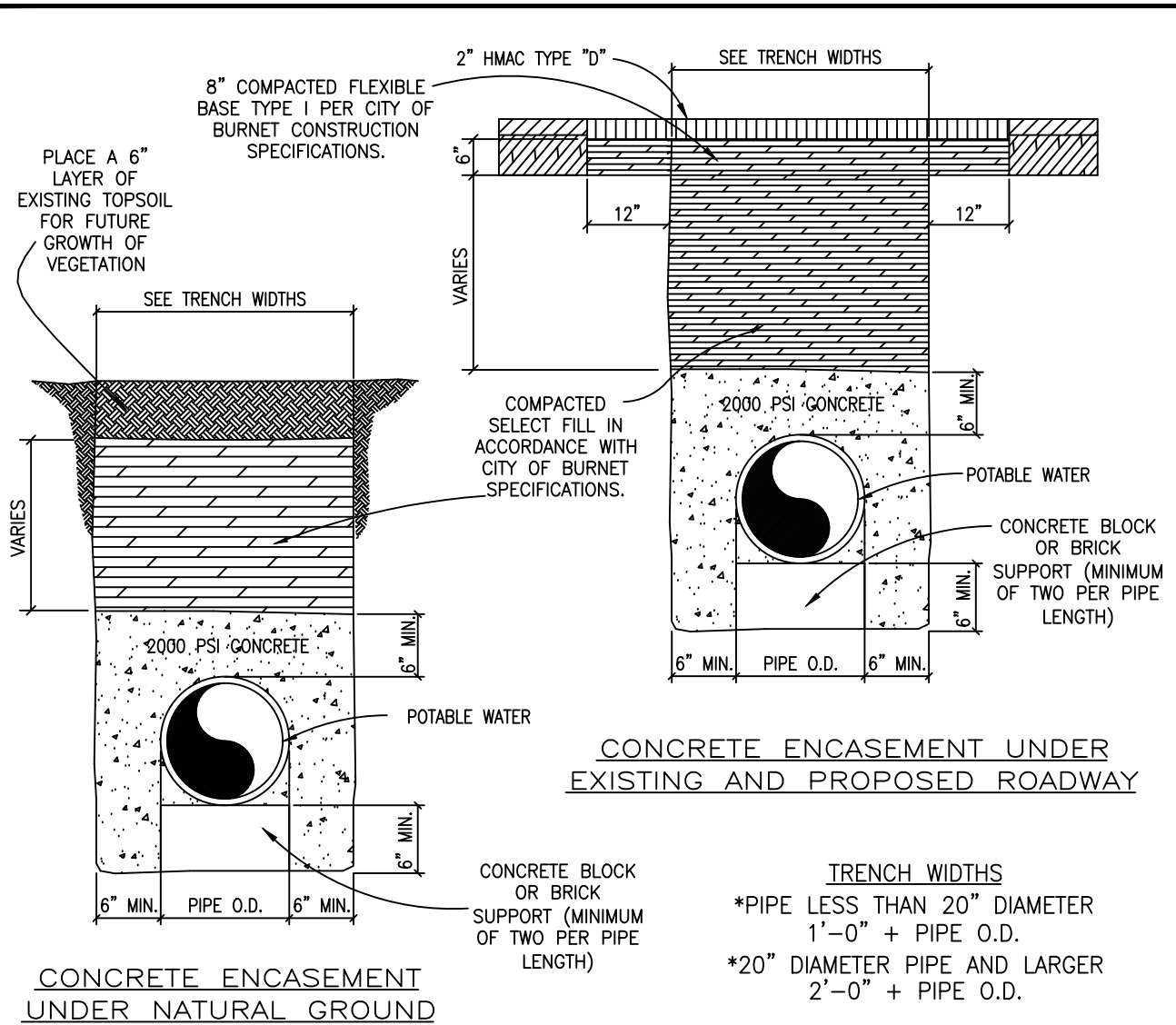
DATE:

08/2020

The Architect/Engineer assumes responsibility for appropriate use of this standard.

DETAIL NUMBER:

W-04



- NOTES: 1. ENCASEMENT TO BE CONSTRUCTED WHERE SEWER LINES PASS OVER OR UNDER A WATER MAIN WITH LESS THAN TWELVE INCHES (12") CLEAR DISTANCE.
2. AT CROSSINGS, ENCASEMENT SHALL EXTEND TEN FEET (10'-0") ON EITHER SIDE OF CROSSING.
3. BEGINNING AND ENDING OF ENCASEMENTS SHALL NOT BE MORE THAN SIX INCHES (6") FROM A PIPE JOINT.
4. WHERE WATER AND SEWER LINES PARALLEL WITH LESS THAN TEN FEET (10'-0") HORIZONTAL CLEAR DISTANCE, NO ENCASEMENT IS REQUIRED IF BOTH LINES ARE 150 PSI PRESSURE PIPE.
5. RAW WATER MAINS SHALL BE 150 PSI PRESSURE RATED WHEN PARALLELING POTABLE WATER MAINS WITH LESS THAN NINE FEET (9'-0") HORIZONTAL CLEARANCE.
6. WHERE MINIMUM COVER, THIRTY SIX INCHES (36") IS NOT AVAILABLE, ENCASEMENT WILL BE REQUIRED.
7. ALL CONCRETE ENCASEMENTS MUST BE FORMED AND INSPECTED BY THE CITY OF BURNET INSPECTOR PRIOR TO PLACING CONCRETE AND BACKFILLING.
8. CONTRACTOR OR ENGINEER MAY USE FLOWABLE BACKFILL AS AN ALTERNATE BACKFILL MATERIAL.

SHEET 1 OF 2



CITY OF BURNET
DEPARTMENT OF PUBLIC WORKS

CONCRETE ENCASEMENT
STANDARD

APPROVED BY:

STAFF

DATE:

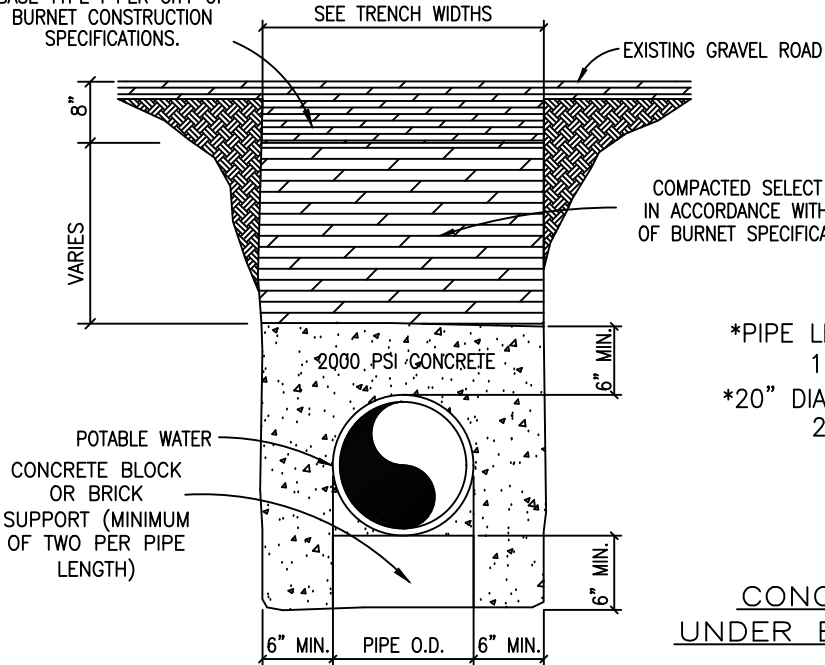
08/2020

The Architect/Engineer
assumes responsibility
for appropriate use of
this standard.

DETAIL NUMBER:

W-05

8" COMPACTED FLEXIBLE
BASE TYPE I PER CITY OF
BURNET CONSTRUCTION
SPECIFICATIONS.



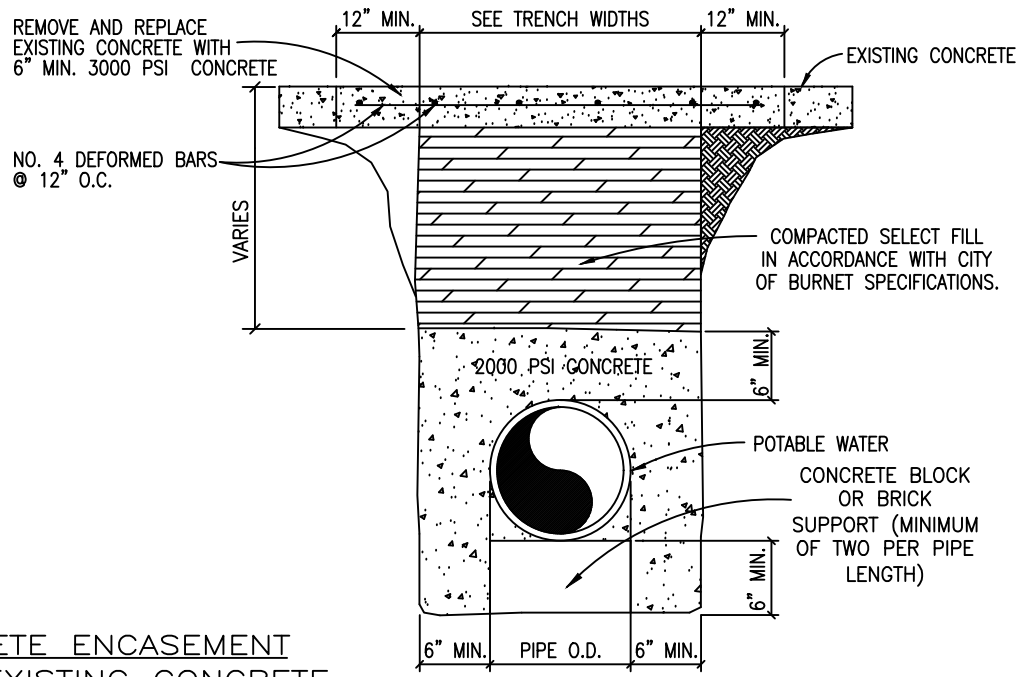
COMPACTED SELECT FILL
IN ACCORDANCE WITH CITY
OF BURNET SPECIFICATIONS.

TRENCH WIDTHS

- *PIPE LESS THAN 20" DIAMETER
1'-0" + PIPE O.D.
- *20" DIAMETER PIPE AND LARGER
2'-0" + PIPE O.D.

CONCRETE ENCASEMENT
UNDER EXISTING GRAVEL ROAD

(SEE SHEET W-15 FOR NOTES)



REMOVE AND REPLACE
EXISTING CONCRETE WITH
6" MIN. 3000 PSI CONCRETE

NO. 4 DEFORMED BARS
@ 12" O.C.

COMPACTED SELECT FILL
IN ACCORDANCE WITH CITY
OF BURNET SPECIFICATIONS.

POTABLE WATER
CONCRETE BLOCK
OR BRICK
SUPPORT (MINIMUM
OF TWO PER PIPE
LENGTH)

CONCRETE ENCASEMENT
UNDER EXISTING CONCRETE

(SEE SHEET W-15 FOR NOTES)



CITY OF BURNET
DEPARTMENT OF PUBLIC WORKS

CONCRETE ENCASEMENT
STANDARD

APPROVED BY:

STAFF

DATE:

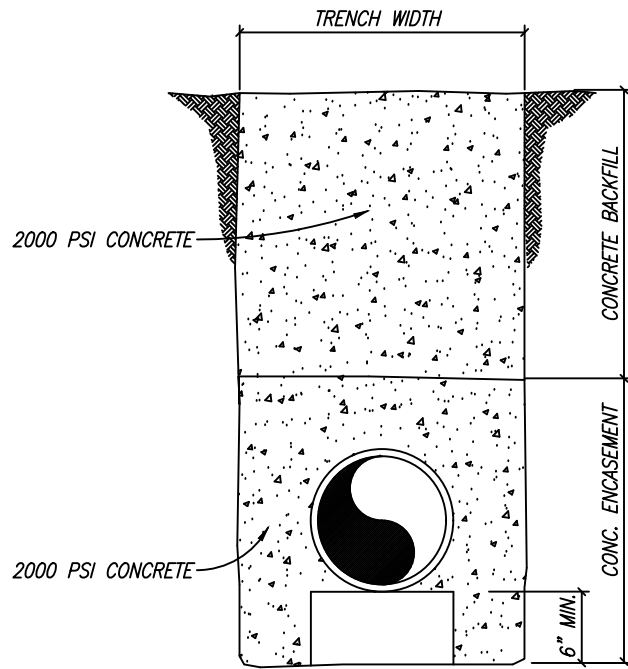
08/2020

The Architect/Engineer
assumes responsibility
for appropriate use of
this standard.

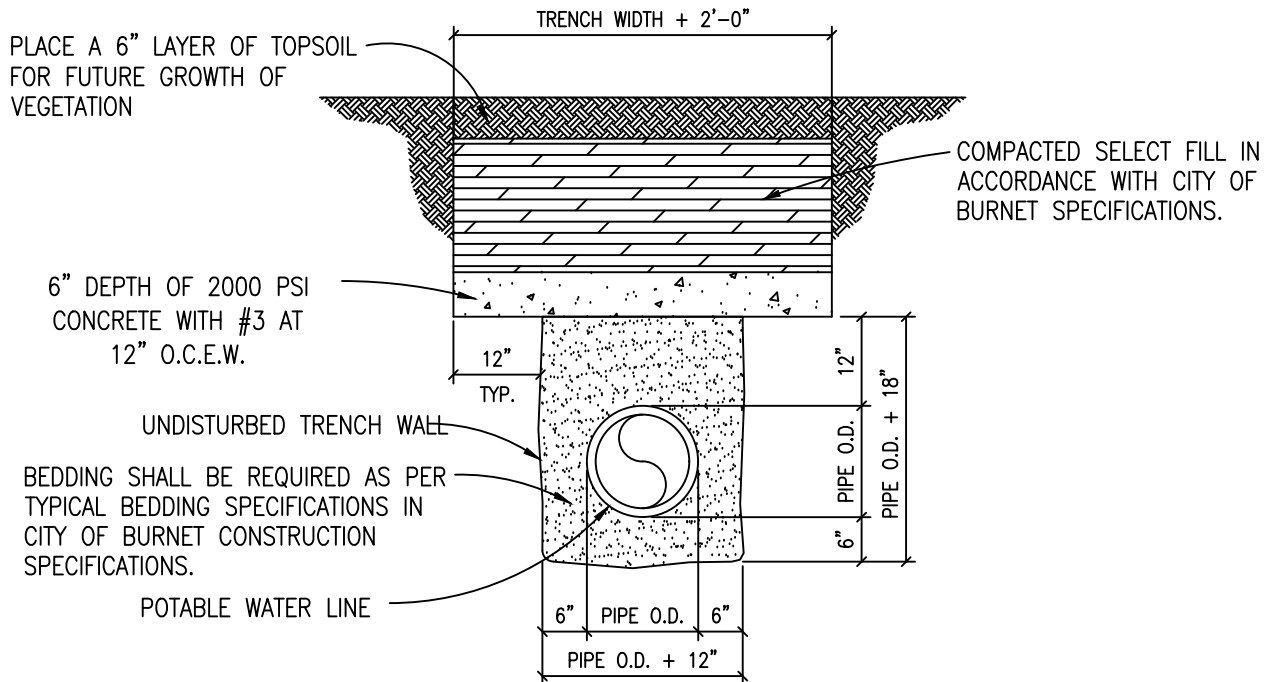
DETAIL NUMBER:

W-05

* WHERE 36" MINIMUM COVER CAN NOT BE OBTAINED OR DUE TO POTENTIAL SURFACE LOADING THE CITY MAY REQUIRE A CAP TO BE INSTALLED.



CONCRETE BACKFILL AND CONCRETE ENCASEMENT



PLACE A 6" LAYER OF TOPSOIL FOR FUTURE GROWTH OF VEGETATION

6" DEPTH OF 2000 PSI CONCRETE WITH #3 AT 12" O.C.E.W.

UNDISTURBED TRENCH WALL
 BEDDING SHALL BE REQUIRED AS PER TYPICAL BEDDING SPECIFICATIONS IN CITY OF BURNET CONSTRUCTION SPECIFICATIONS.

POTABLE WATER LINE

TRENCH WIDTHS

*PIPE LESS THAN 20" DIAMETER
 1'-0" + PIPE O.D.

*20" DIAMETER PIPE AND LARGER
 2'-0" + PIPE O.D.



CITY OF BURNET
 DEPARTMENT OF PUBLIC WORKS

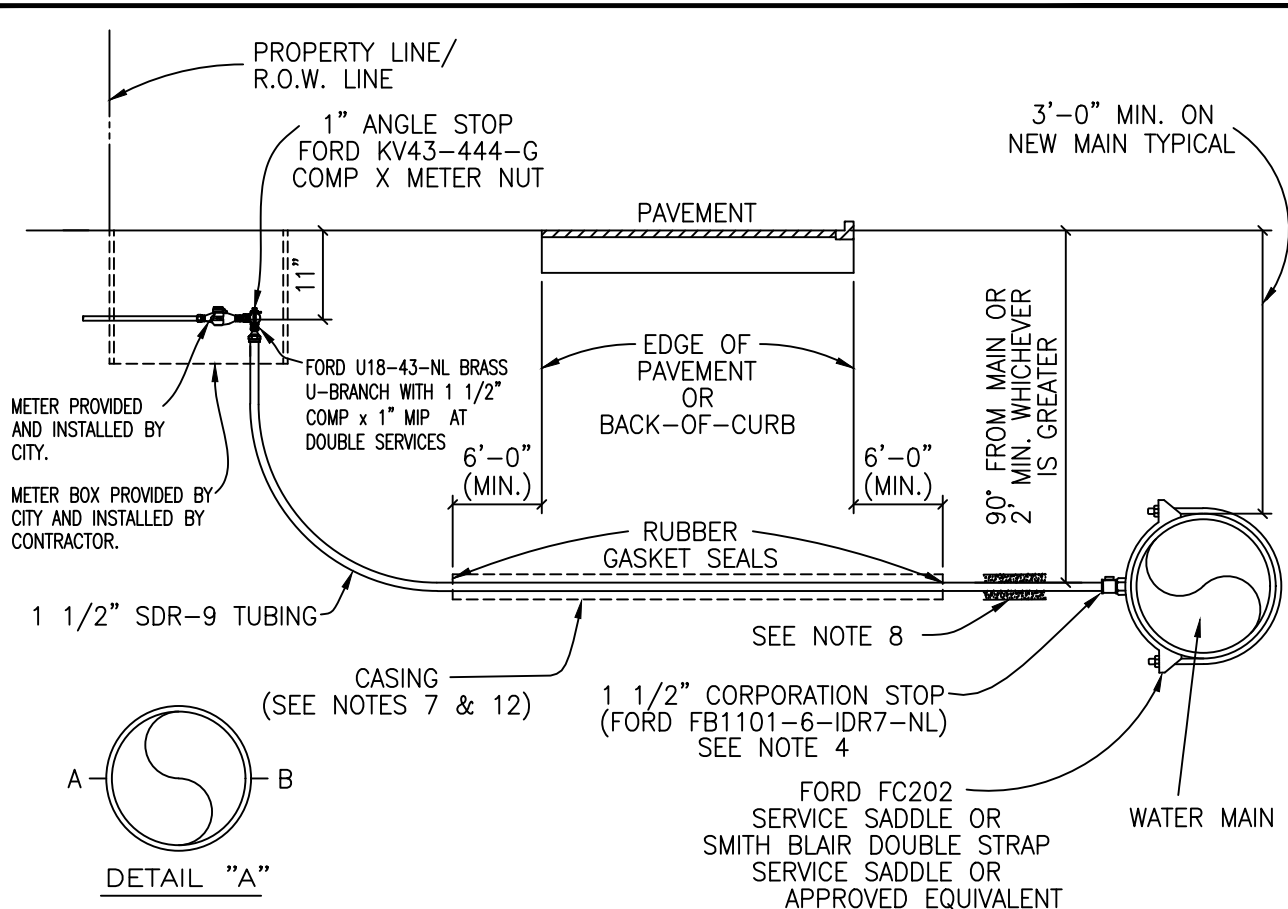
CONCRETE TRENCH CAP
 STANDARD

APPROVED BY:
 STAFF

DATE:
 08/2020

The Architect/Engineer
 assumes responsibility
 for appropriate use of
 this standard.

DETAIL NUMBER:
 W-06



NOTES:

1. SUCCESSIVE TAPS INTO THE WATER MAIN SHALL BE SPACED A MINIMUM OF 18" OFFSET AND AT THE CENTERLINE AS SHOWN ON DETAIL "A".
2. WHERE NO SIDEWALK EXISTS, METER BOXES SHALL BE SET TO CONFORM TO FINISHED GRADE.
3. AUTHORIZED SERVICE LINE MATERIAL:
POLYETHYLENE TUBING SHALL BE SDR-9. CLASS 200, SDR TUBING SHALL HAVE STAINLESS STEEL STIFFENERS.
4. ROTATE THE CORPORATION STOP SO THAT THE OPERATING NUT IS ACTUATED FROM THE VERTICAL POSITION RATHER THAN THE HORIZONTAL.
5. SERVICE LINES SHALL BE CONTINUOUS FROM CORPORATION STOP TO CORPORATION STOP WITH NO FITTINGS IN BETWEEN.
6. SERVICE CASING SHALL NOT BE INSTALLED BY WATER JETTING UNDER ROADWAY.
7. CASING REQUIRED FOR ALL PAVEMENT CROSSINGS. 3" SDR-26 REQUIRED FOR OPEN-CUT. STEEL CASING PIPE REQUIRED FOR JACK AND BORE. LIMITS OF CASING SHOULD EXTEND SIX FEET BEYOND THE EDGE OF PAVEMENT OR BACK-OF-CURB.
8. BEDDING MATERIAL AS PER CITY OF BURNET CONSTRUCTION SPECIFICATIONS.
9. ANY VARIATIONS ON FITTINGS MUST BE APPROVED BY THE CITY ENGINEER.
10. METER BOX SHALL BE: SOUTHEASTERN DISTRIBUTORS, MB18 OR MB16 WITH SENSUS READER LIDS OR APPROVED EQUAL.
11. ALL SERVICE LINES SHALL BE PLACED 90° PERPENDICULAR TO THE ROADWAY. SEE DETAIL W20.
12. CASING SHALL EXTEND OUT TO WITHIN 4' INSIDE OF THE R.O.W. LINE, ON BOTH SIDES.



CITY OF BURNET
DEPARTMENT OF PUBLIC WORKS

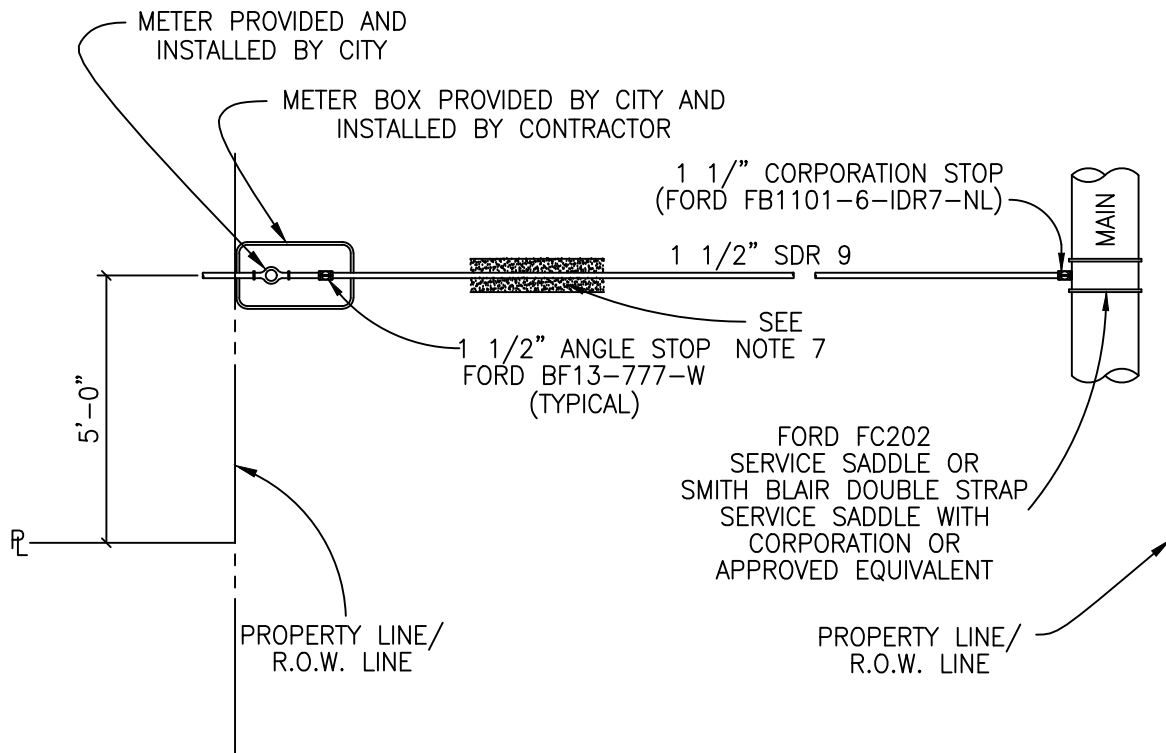
APPROVED BY:
STAFF

DATE:
08/2020

TYPICAL WATER SERVICE – ELEVATION

The Architect/Engineer assumes responsibility for appropriate use of this standard.

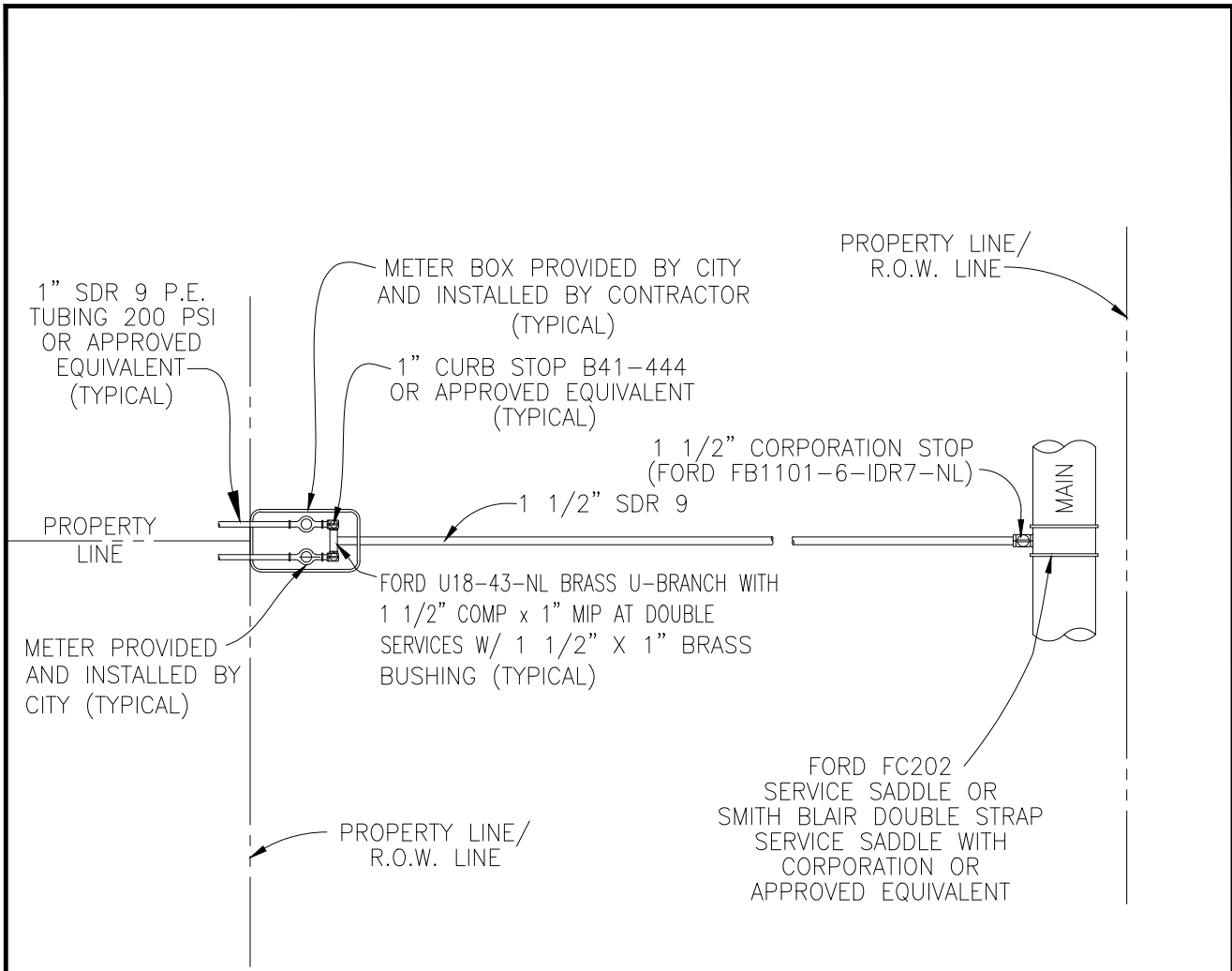
DETAIL NUMBER:
W-07



NOTES:

1. AUTHORIZED SERVICE LINE MATERIAL:
POLYETHYLENE TUBING SHALL BE SDR-9. CLASS 200, SDR TUBING SHALL HAVE STAINLESS STEEL STIFFENERS.
2. ANGLE STOP SHALL BE 1" MINIMUM.
3. 1" ANGLE STOPS WITH 3/4" VALVES SHALL NOT BE PERMITTED.
4. MULTIPLE SERVICE/METER INSTALLATIONS OF MORE THAN 4 METERS PER SERVICE AND SERVICE LINES LARGER THAN 2" IN DIAMETER SHALL BE HANDLED ON AN INDIVIDUAL BASIS.
5. ANGLE STOPS 1 1/2" AND 2" IN SIZE SHALL BE PROVIDED WITH BOTH A LOCKING CAP AND METER FLANGE.
6. ANGLE STOPS SHALL BE INSTALLED 11" BELOW FINISHED GRADE AND MARKED WITH A 2" X 2" X 48" TREATED WOOD STAKE, PAINTED BLUE.
7. BEDDING MATERIAL AS PER CITY OF BURNET CONSTRUCTION SPECIFICATIONS.
8. CASING REQUIREMENTS FOR SERVICE LINES CROSSING ROADWAYS SEE DETAIL W-07 NOTE #7.
9. ANY VARIATIONS ON FITTINGS MUST BE APPROVED BY THE CITY ENGINEER.
10. ALL SERVICE LINES SHALL BE PLACED 90° PERPENDICULAR TO THE ROADWAY.

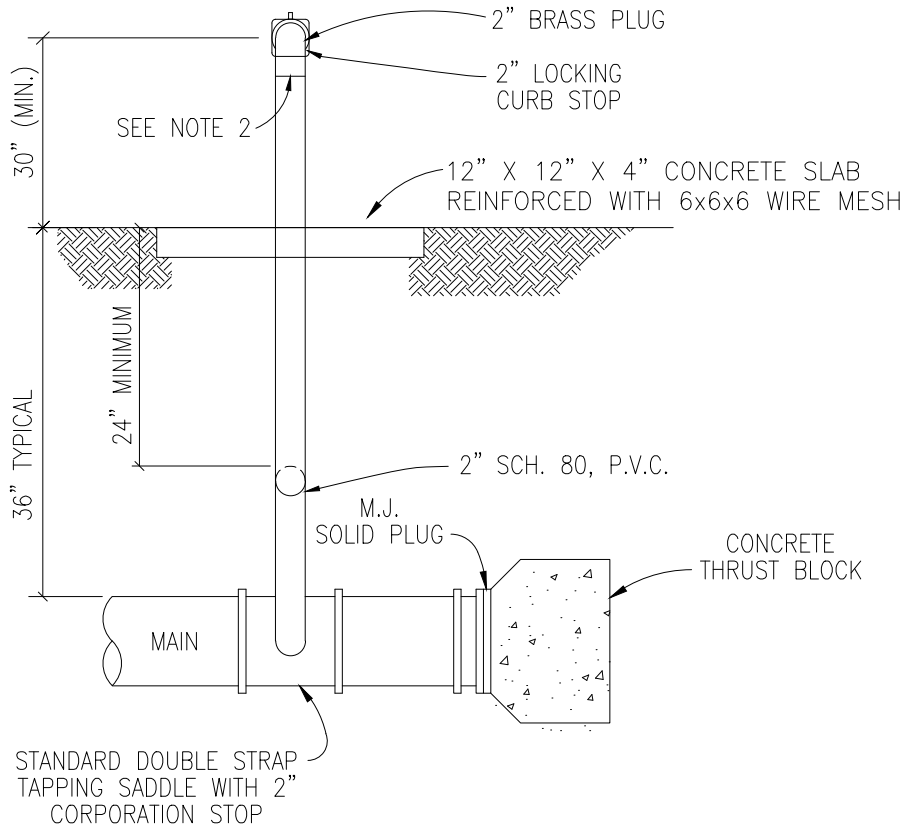
	CITY OF BURNET DEPARTMENT OF PUBLIC WORKS		SINGLE WATER SERVICE — PLAN	
	APPROVED BY: STAFF	DATE: 08/2020	The Architect/Engineer assumes responsibility for appropriate use of this standard.	DETAIL NUMBER: W-08



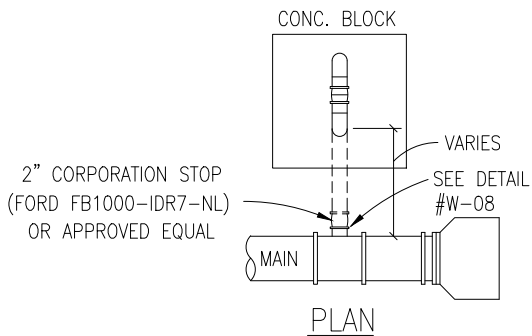
NOTES:

1. AUTHORIZED SERVICE LINE MATERIAL:
POLYETHYLENE TUBING SHALL BE SDR-9. CLASS 200, SDR TUBING SHALL HAVE STAINLESS STEEL STIFFENERS.
2. ANGLE STOP SHALL BE 1" MINIMUM.
3. 1" ANGLE STOPS WITH 3/4" VALVES SHALL NOT BE PERMITTED.
4. MULTIPLE SERVICE/METER INSTALLATIONS OF MORE THAN 4 METERS PER SERVICE AND SERVICE LINES LARGER THAN 2" IN DIAMETER SHALL BE HANDLED ON AN INDIVIDUAL BASIS.
5. ANGLE STOPS 1 1/2" AND 2" IN SIZE SHALL BE PROVIDED WITH BOTH A LOCKING CAP AND METER FLANGE.
6. ANGLE STOPS SHALL BE INSTALLED 11" BELOW FINISHED GRADE AND MARKED WITH A 2" X 2" X 48" TREATED WOOD STAKE, PAINTED BLUE.
7. BEDDING MATERIAL AS PER CITY OF BURNET CONSTRUCTION SPECIFICATIONS.
8. CASING REQUIREMENTS FOR SERVICE LINES CROSSING ROADWAYS SEE DETAIL W-07 NOTE #7.
9. ANY VARIATIONS ON FITTINGS MUST BE APPROVED BY THE CITY ENGINEER.
10. ALL SERVICE LINES SHALL BE PLACED 90° PERPENDICULAR TO THE ROADWAY.

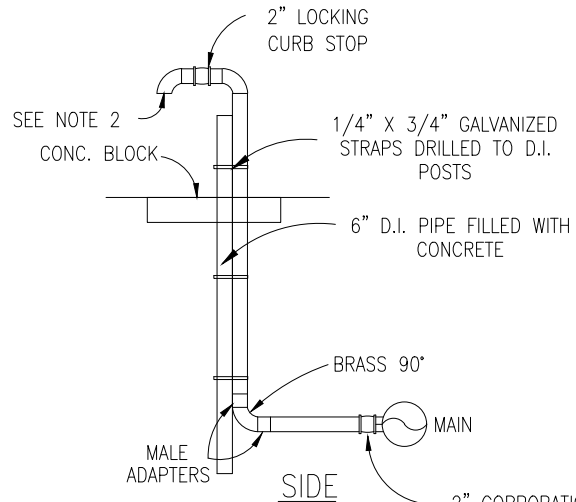
	CITY OF BURNET DEPARTMENT OF PUBLIC WORKS		DOUBLE WATER SERVICE – PLAN	
	APPROVED BY: STAFF	DATE: 08/2020	The Architect/Engineer assumes responsibility for appropriate use of this standard.	DETAIL NUMBER: W-09



ELEVATION



PLAN



SIDE

NOTE:

1. ATTACH FIRE HYDRANT CONNECTION AT THE END OF THE BLOW OFF VALVE.



CITY OF BURNET
DEPARTMENT OF PUBLIC WORKS

STANDARD BLOW-OFF

APPROVED BY:

STAFF

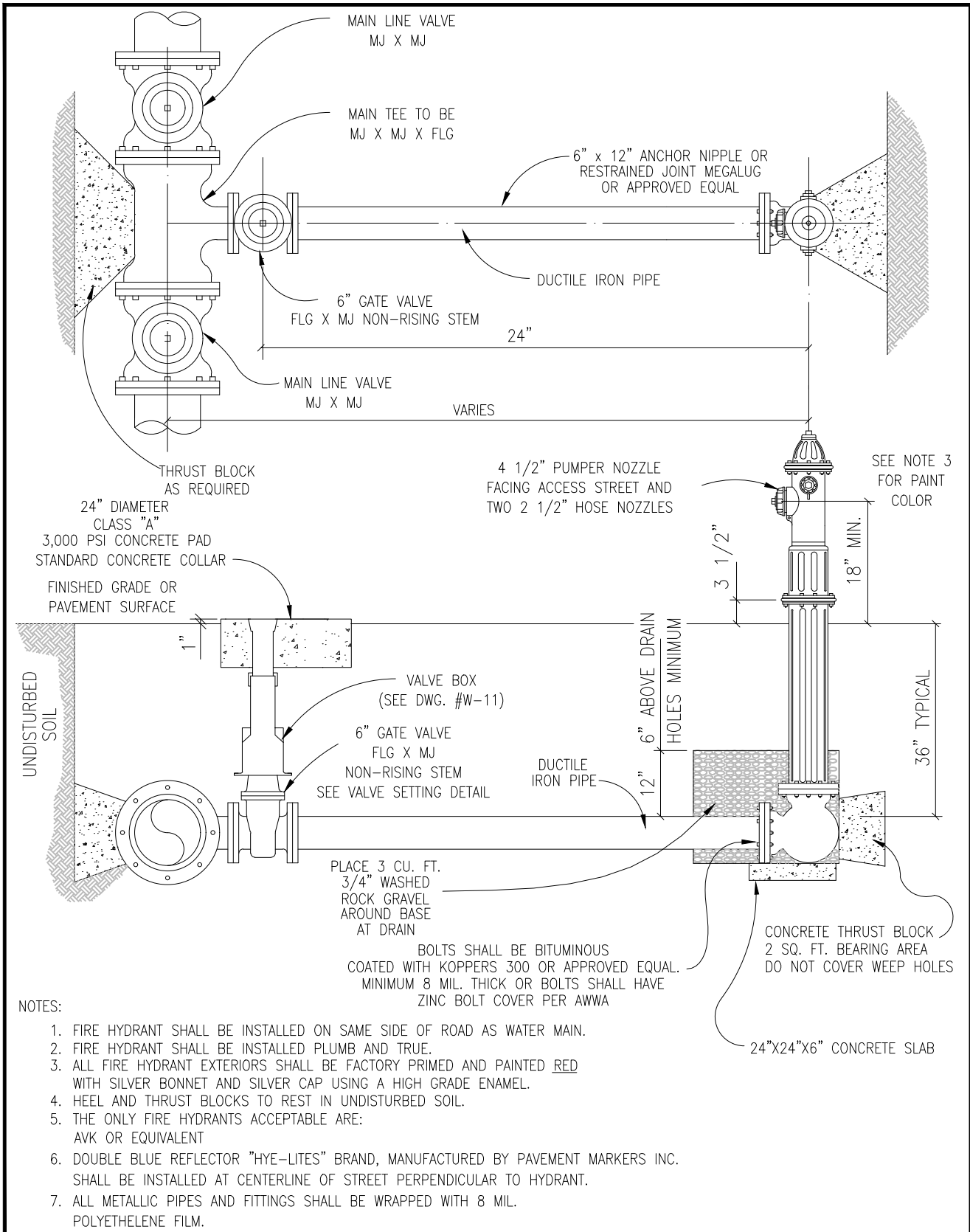
DATE:

08/2020

The Architect/Engineer assumes responsibility for appropriate use of this standard.

DETAIL NUMBER:

W-13



NOTES:

1. FIRE HYDRANT SHALL BE INSTALLED ON SAME SIDE OF ROAD AS WATER MAIN.
2. FIRE HYDRANT SHALL BE INSTALLED PLUMB AND TRUE.
3. ALL FIRE HYDRANT EXTERIORS SHALL BE FACTORY PRIMED AND PAINTED **RED** WITH SILVER BONNET AND SILVER CAP USING A HIGH GRADE ENAMEL.
4. HEEL AND THRUST BLOCKS TO REST IN UNDISTURBED SOIL.
5. THE ONLY FIRE HYDRANTS ACCEPTABLE ARE:
AVK OR EQUIVALENT
6. DOUBLE BLUE REFLECTOR "HYE-LITES" BRAND, MANUFACTURED BY PAVEMENT MARKERS INC. SHALL BE INSTALLED AT CENTERLINE OF STREET PERPENDICULAR TO HYDRANT.
7. ALL METALLIC PIPES AND FITTINGS SHALL BE WRAPPED WITH 8 MIL. POLYETHYLENE FILM.

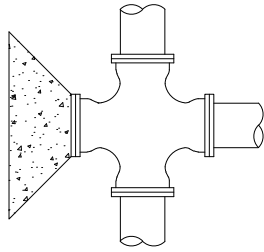


CITY OF BURNET
 DEPARTMENT OF PUBLIC WORKS

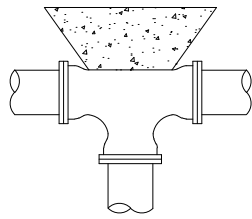
APPROVED BY:	DATE:
STAFF	08/2020

**TYPICAL FIRE HYDRANT
 INSTALLATION**

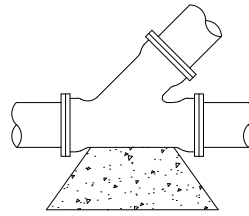
The Architect/Engineer assumes responsibility for appropriate use of this standard.	DETAIL NUMBER: W-14
---	-------------------------------



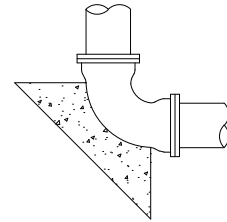
CROSS WITH PLUG



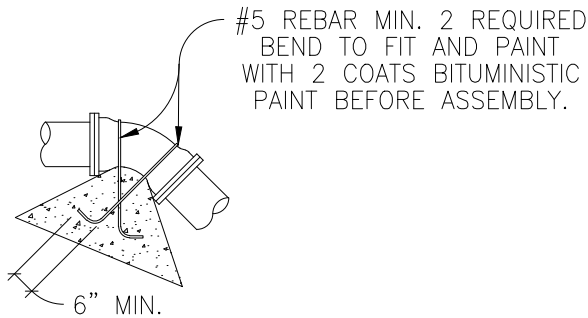
TEE



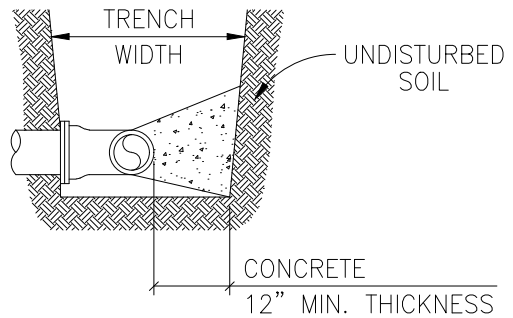
WYE



BEND



*DEADMAN



TYPICAL SECTION

ALL THRUST BLOCKS SHALL BE FORMED. LAID FORMS SHALL BE INSPECTED BY THE CITY OF BURNET PRIOR TO THE POURING OF CONCRETE AND SHALL ALSO BE INSPECTED BY THE CITY OF BURNET PRIOR TO COVERING. TYPICAL LOCATIONS WHICH REQUIRE CONCRETE REACTION (THRUST) BLOCKS, FOR PRESSURE MAINS FOUR INCHES (4") AND GREATER. CONCRETE SHALL HAVE 2,500 P.S.I. MINIMUM STRENGTH AT TWENTY EIGHT (28) DAYS AND BEAR AGAINST UNDISTURBED STABLE SOILS, AREA OF CONTACT SHALL BE GOVERNED BY PIPE SIZE, MAXIMUM PRESSURE IN PIPE, AND BEARING CAPACITY OF SOIL. PROTECT FITTINGS, BOLTS, ETC. BY COVERING WITH VISQUEEN OR OTHER ACCEPTABLE MATERIAL. CONCRETE SHALL BE A MINIMUM OF TWELVE INCHES (12") THICK.

PIPE SIZE	THRUST BLOCK AREA REQUIRED	PIPE SIZE	THRUST BLOCK AREA REQUIRED	REMARKS
4"	2.0 SQ. FT.	18"	30.0 SQ. FT.	VALUES ARE FOR 90° BENDS, BASED ON 2000 P.S.F. SAFE BEARING LOAD AND PIPE PRESSURE OF 150 P.S.I. PLUS 33% SAFETY FACTOR FOR OTHER SOILS AND PRESSURES, THE AREA REQUIRED IS IN DIRECT PROPORTION.
6"	4.0 SQ. FT.	20"	37.0 SQ. FT.	
8"	6.6 SQ. FT.	24"	53.0 SQ. FT.	
10"	10.0 SQ. FT.	27"	80.0 SQ. FT.	
12"	14.0 SQ. FT.	30"	98.0 SQ. FT.	
14"	18.0 SQ. FT.	36"	127.0 SQ. FT.	
16"	24.0 SQ. FT.			

* THE ENGINEER OF RECORD SHALL CALCULATE THE SIZE OF THE DEADMAN REQUIRED AS WELL AS ANY INSTALLATION WHICH IS NOT COVERED BY THE ABOVE.



CITY OF BURNET
DEPARTMENT OF PUBLIC WORKS

TYPICAL THRUST BLOCKS FOR
WATER AND FORCE MAINS

APPROVED BY:

STAFF

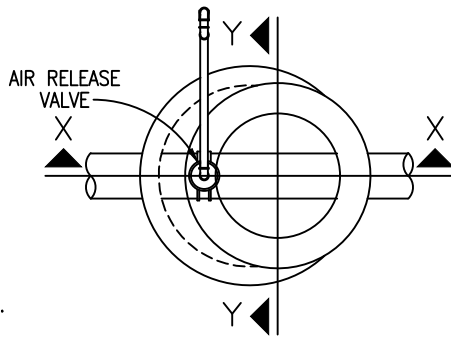
DATE:

08/2020

The Architect/Engineer
assumes responsibility
for appropriate use of
this standard.

DETAIL NUMBER:

W-15

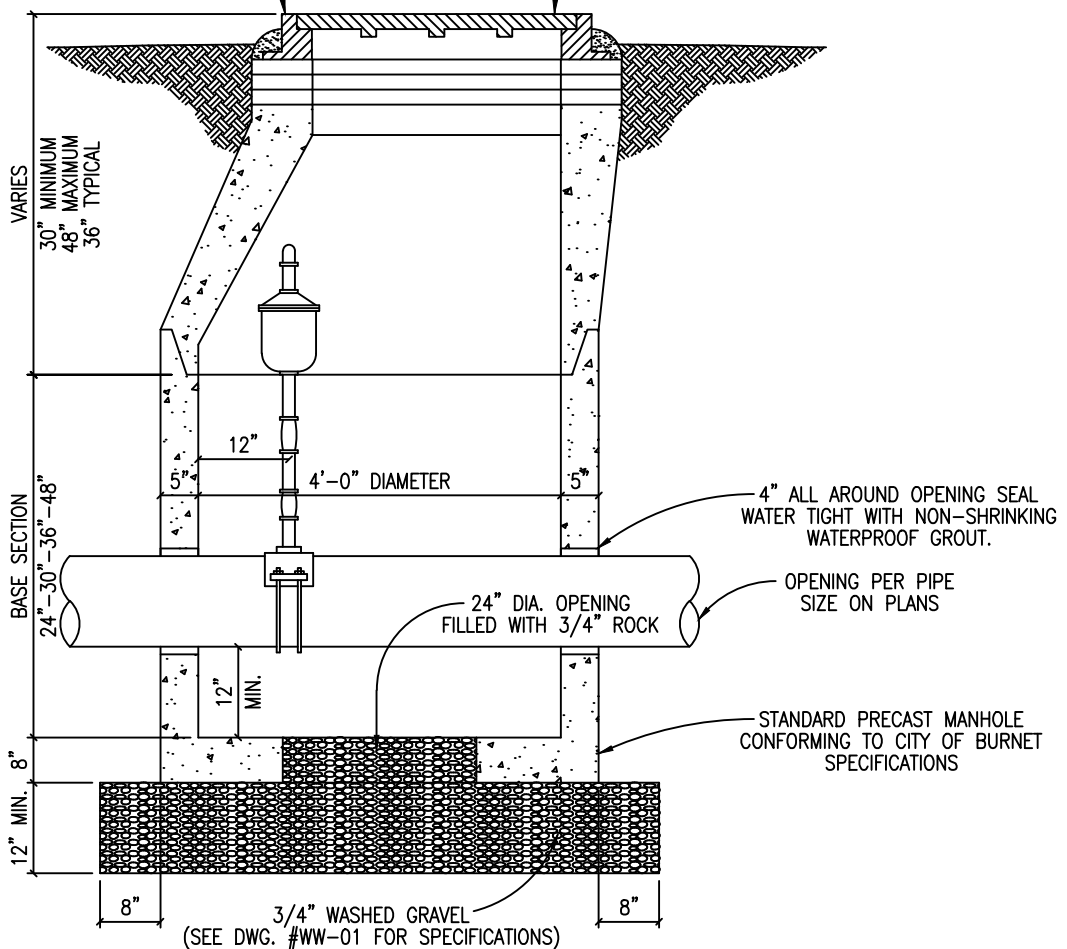


NOTE:
 PLAN VIEW SHOWN ONLY
 FOR CLARIFICATION OF
 SECTION "X-X" AND "Y-Y".

PLAN

ADJUST WITH GRADE RINGS
 AND MORTAR TO BRING TO 4"
 ABOVE GRADE.
 (5 COURSES MAX)

FRAME AND COVER SHALL BE
 EAST JORDAN IRON WORKS
 (AS PER DETAIL #WW-08) OR
 APPROVED EQUIVALENT AND
 SHALL BE 4" ABOVE FINISH GRADE.



SECTION "X-X"

SHEET 1 OF 2



CITY OF BURNET
 DEPARTMENT OF PUBLIC WORKS

STANDARD AIR RELEASE VALVE
 FOR WATER MAIN

APPROVED BY:

STAFF

DATE:

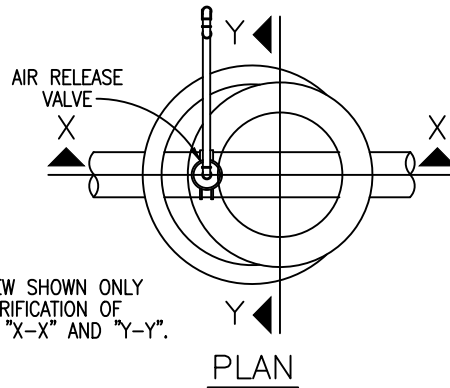
08/2020

The Architect/Engineer
 assumes responsibility
 for appropriate use of
 this standard.

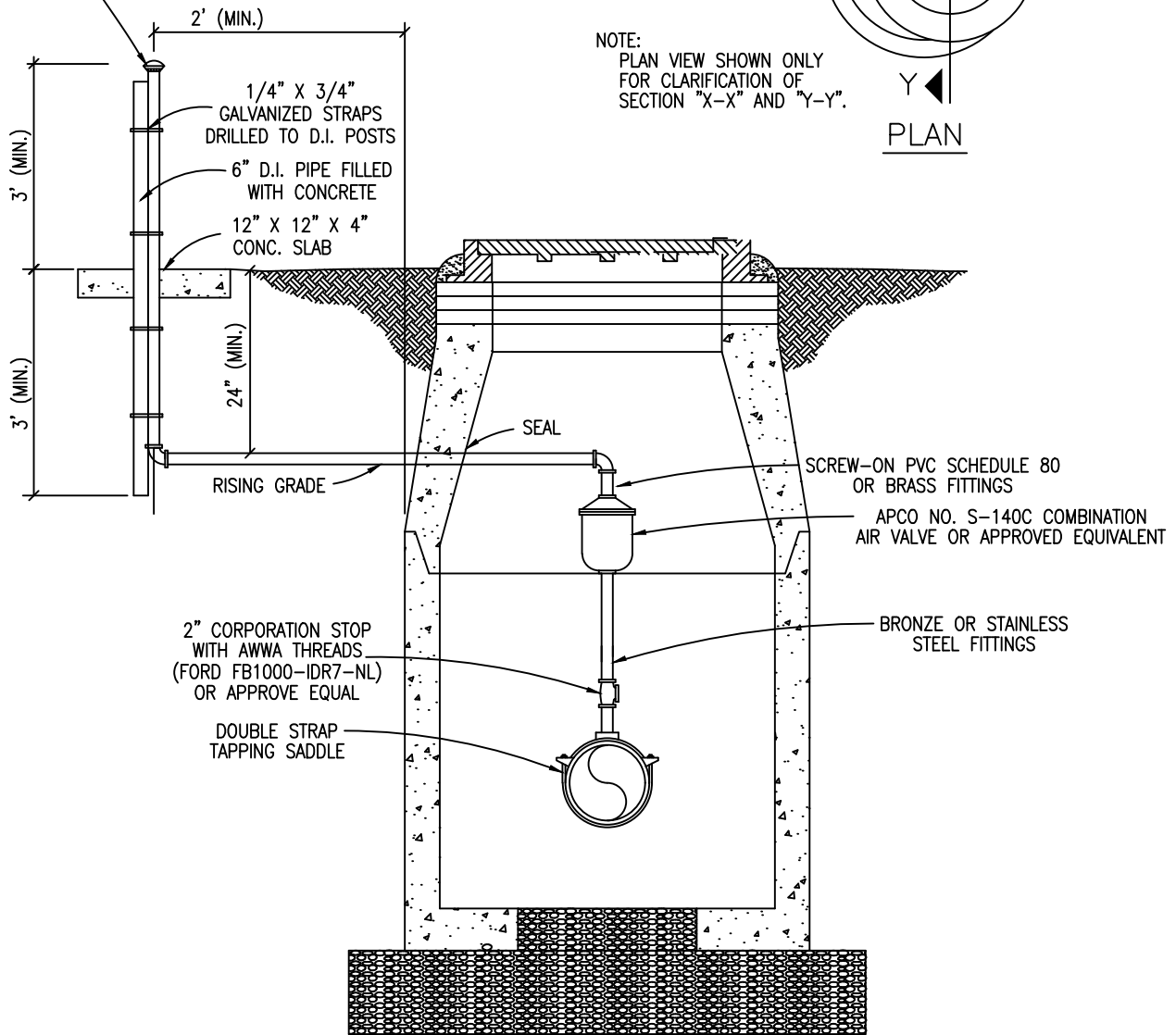
DETAIL NUMBER:

W-16

GALVANIZED MUSHROOM
VENT CAP WITH S.S.
SCREEN,
R.W. BECKETT, KG4025
GALVANIZED IRON AIR
VENT PIPE



NOTE:
PLAN VIEW SHOWN ONLY
FOR CLARIFICATION OF
SECTION "X-X" AND "Y-Y".



SECTION "Y-Y"

SHEET 2 OF 2



CITY OF BURNET
DEPARTMENT OF PUBLIC WORKS

STANDARD AIR RELEASE VALVE
FOR WATER MAIN

APPROVED BY:

DATE:

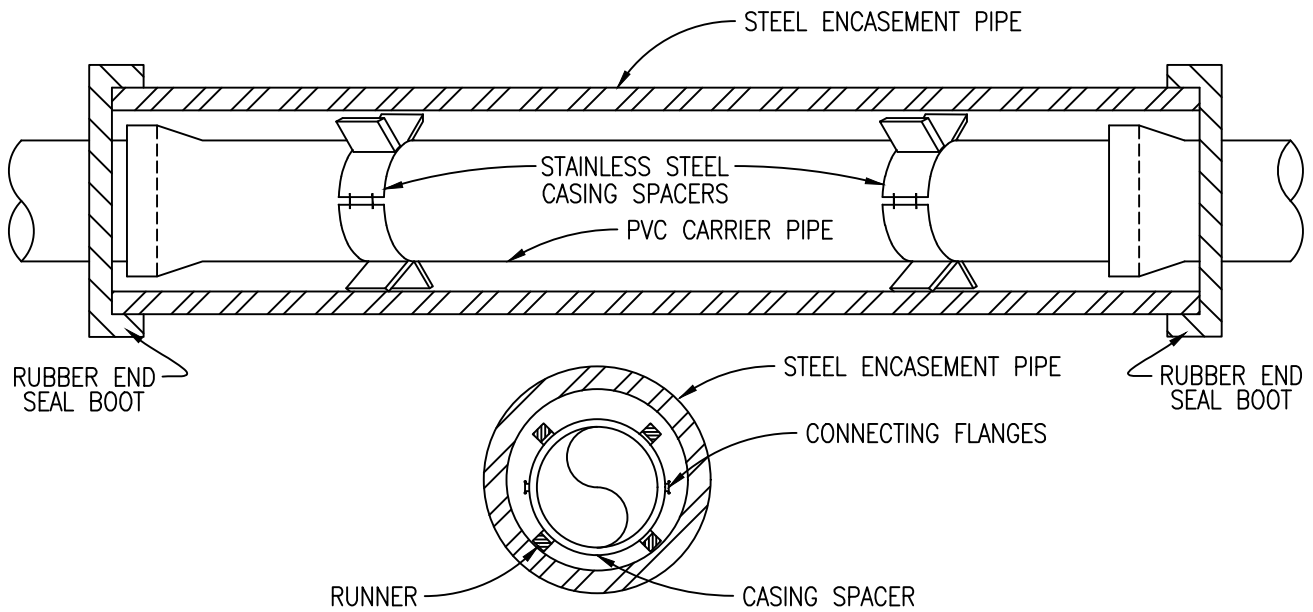
The Architect/Engineer
assumes responsibility
for appropriate use of
this standard.

DETAIL NUMBER:

STAFF

08/2020

W-16



NOTES:

1. CASING SPACERS SHALL BE BOLT ON STYLE WITH A SHELL MADE IN TWO SECTIONS OF HEAVY T-304 STAINLESS STEEL. CONNECTING FLANGES SHALL BE RIBBED FOR EXTRA STRENGTH. CASING SPACERS SHALL BE MADE BY CASCADE WATERWORKS MFG. CO. OR APPROVED EQUAL.
2. CASING SPACERS SHALL HAVE RUNNERS MADE OF ULTRA HIGH MOLECULAR WEIGHT POLYMER, WITH A MINIMUM HEIGHT OF 2 INCHES.
3. DO NOT USE WEDGES BETWEEN TOP OF PVC CARRIER PIPE AND INSIDE OF CASING TO KEEP PVC FROM MOVING.
4. PRIOR TO INSERTING PVC CARRIER PIPE, ANY WATER SHOULD BE PUMPED OUT OF THE CASING PIPE SO THAT NO MORE THAN A FEW INCHES OF WATER REMAINS.
5. SPACERS WILL BE REQUIRED WITHIN AT LEAST 3 FEET FROM BOTH OPENINGS OF THE ENCASEMENT PIPE AND SPACED NO GREATER THAN 6 FEET THROUGHOUT THE ENCASEMENT PIPE.
6. ENCASEMENT PIPE SHALL BE SMOOTH STEEL 35,000 PSI YIELD STRENGTH WITH THICKNESS ACCORDING TO THE FOLLOWING TABLE:
7. WHEN CASING IS REQUIRED UNDER PAVEMENT WITHIN THE R.O.W., THE CASING SHALL EXTEND OUT TO WITHIN 4' INSIDE OF THE R.O.W. LINE, ON BOTH SIDES.
8. ALL JOINTS SHALL BE RESTRAINED ON PVC CARRIER PIPE.

PIPE SIZE-CARRIER (DIAMETER)	PIPE SIZE-CASING (DIAMETER)(MIN.)	MINIMUM PIPE THICKNESS (INCHES)	
6"	16"		
8"	18"	1/4	0.2500
10"	20"	5/16	0.3125
12" - 14"	24"	3/8	0.3750
16" - 18"	30"	7/16	0.4375
20"	36"	1/2	0.5000
24"	42"	1/2	0.5000
30"	48"	1/2	0.5000



CITY OF BURNET
 DEPARTMENT OF PUBLIC WORKS

INSTALLATION OF PVC PIPE
 THROUGH CASING

APPROVED BY:

STAFF

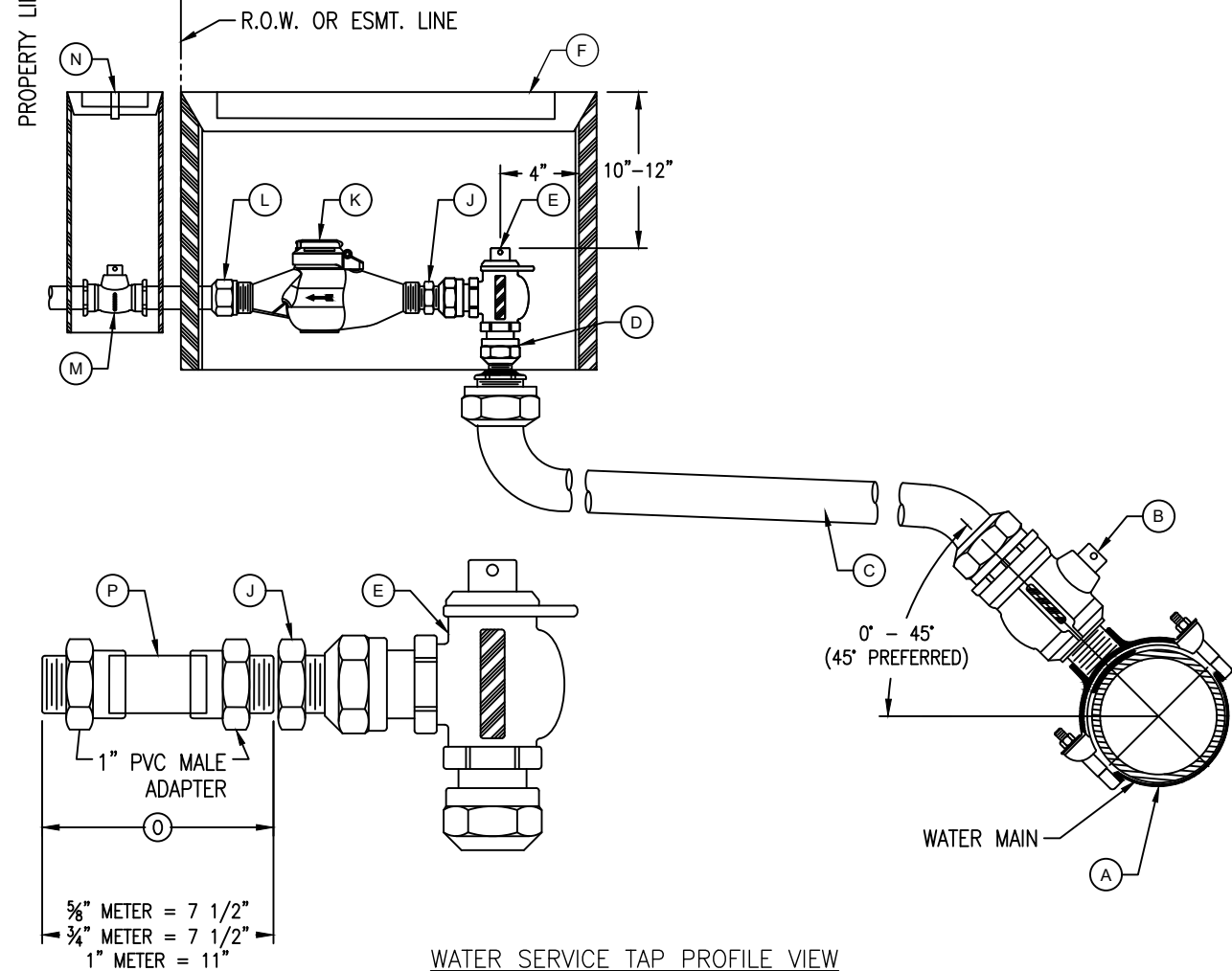
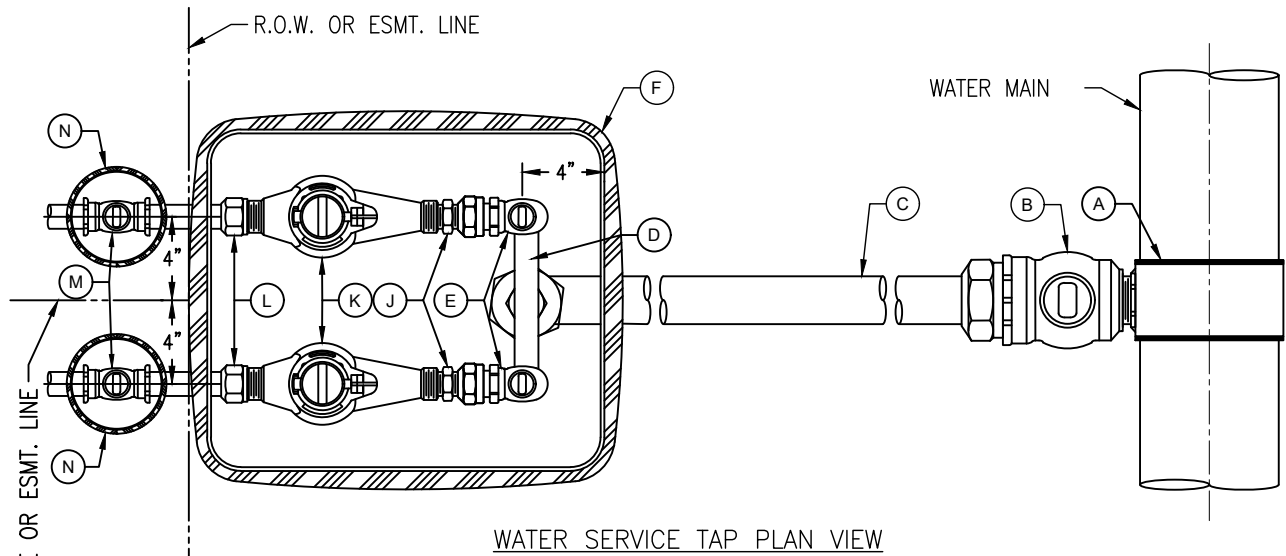
DATE:

08/2020

The Architect/Engineer
 assumes responsibility
 for appropriate use of
 this standard.

DETAIL NUMBER:

W-17



CITY OF BURNET
DEPARTMENT OF PUBLIC WORKS

APPROVED BY:
STAFF

DATE:
08/2020

WATER SERVICE & METER
1" & SMALLER METERS

The Architect/Engineer assumes responsibility for appropriate use of this standard.

DETAIL NUMBER:
W-21
1 OF 2

MATERIALS LIST:


- A. 1 1/2" SERVICE CLAMP, FORD, SMITH BLAIR OR APPROVED EQUAL.
- B. 1 1/2" CORPORATION STOP, FORD OR EQUAL
- C. 1 1/2" HDPE WATER SERVICE TUBING, SDR-9
- D. SINGLE SERVICE: 1 1/2" COMP X 1" MIP
DOUBLE SERVICE: 1 1/2" COMP X 1" MIP
- E. 1" ANGLE METER STOP, FORD OR EQUAL
- F. METER BOX AND LID: USE SOUTHEASTERN DISTRIBUTORS MB16 FOR SINGLE SERVICE
USE SOUTHEASTERN DISTRIBUTORS MB18 FOR DOUBLE SERVICE

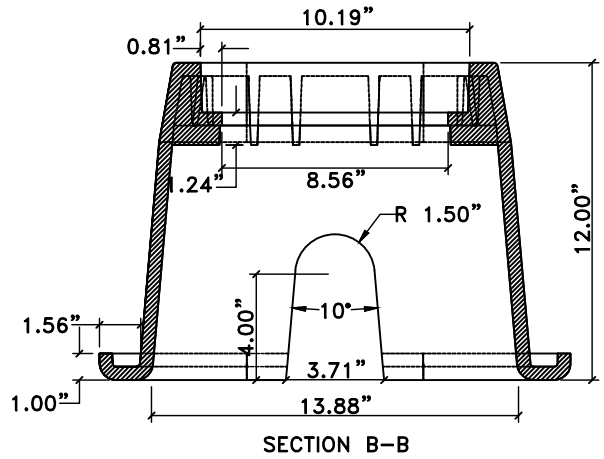
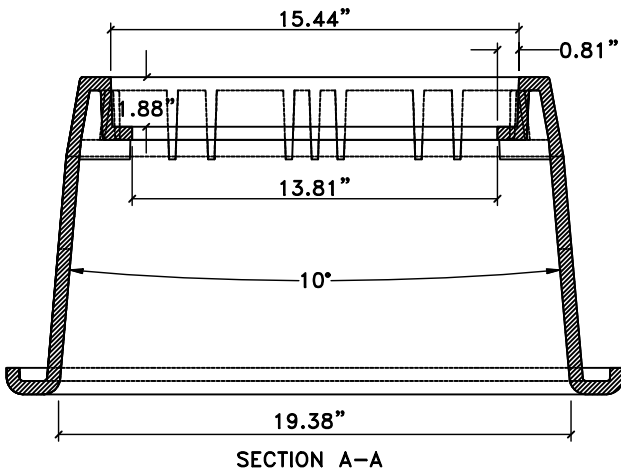
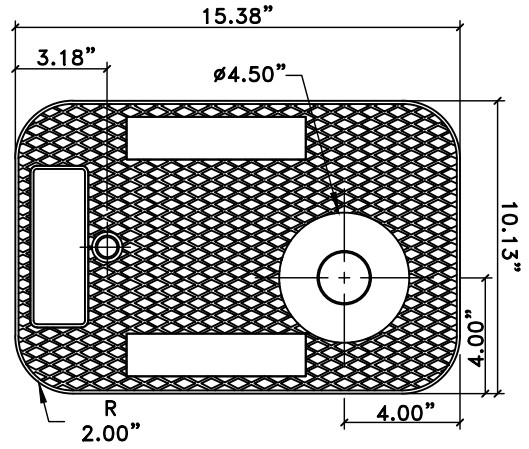
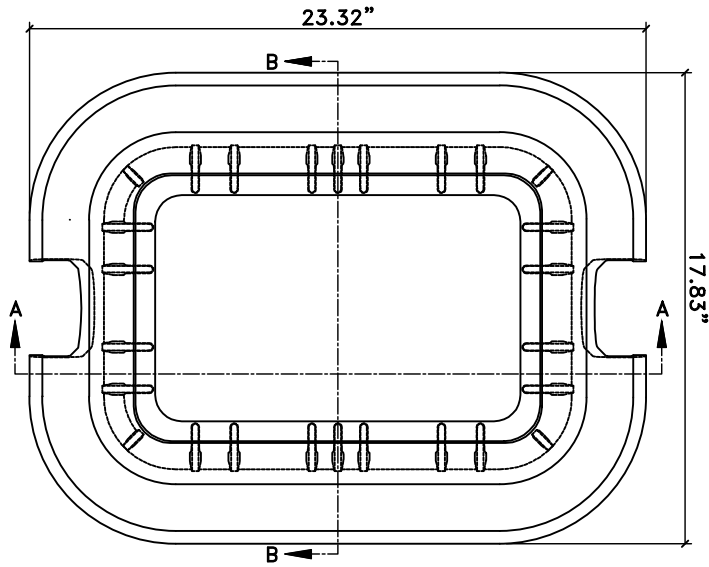
MATERIALS TO BE INSTALLED BY PLUMBER:

- J. BRASS METER BUSHING – SIZE AS NEEDED TO CONNECT ANGLE METER STOP TO METER
- K. WATER METER BY CITY OF BURNET
- L. BRASS WATER METER COUPLING MALE IPT x SWIVEL COUPLING NUT:
5/8" AND 3/4" METERS: 7 1/2" LONG x 3/4" DIA.
1" METERS: 11" LONG x 1" DIA.
- M. PROPERTY OWNER'S CUT OFF VALVE, HAMMOND UP640 OR EQUAL
- N. PROPERTY OWNER'S CUT OFF VALVE BOX AND LID
- O. TEMPORARY METER SPACER (REQUIRED TO ASSURE METER WILL FIT APPROPRIATELY)
- P. 1" WOODEN DOWEL (SHOW ADDRESS ON DOWEL USING WATERPROOF MARKER)

NOTES:

- 1. SERVICE CLAMP SHALL BE WRAPPED COMPLETELY WITH 8 MIL. POLYETHYLENE FILM, SPL WW-27D.
- 2. BRANCH CONNECTIONS AND ALL ANGLE METER STOPS MUST BE INSTALLED PRIOR TO ANY METER INSTALLATION.
- 3. TOP OF METER BOXES SHOULD BE 4" ABOVE GROUND.
- 4. PIPING AND TUBING IN STREET RIGHT-OF-WAY SHALL BE BEDDED IN GRANULAR MATERIALS AS REQUIRED BY THE CITY OF AUSTIN STANDARD SPECIFICATIONS; BACKFILL ABOVE GRANULAR BEDDING AS REQUIRED BY SECTION.
- 5. METER BOX MUST BE BEHIND CURB NEXT TO PROPERTY LINE OR EASEMENT AND OUT OF VEHICULAR TRAFFIC AREA AND SIDEWALK.
- 6. METER SIZES TO BE SHOWN ON PLANS.
- 7. METER BOX CUT OUTS SHALL NOT EXCEED TWO TIMES THE PIPE DIAMETER.
- 8. INSTALL METALLIC TRACER TAPE, MINIMUM 1' ABOVE TUBING FROM SERVICE CLAMP "A" TO U-BRANCH.
- 9. TUBING SHALL BE PLACED IN A STRAIGHT ALIGNMENT AND ALLOWED TO RELAX AND "SNAKE" LOOSELY IN THE TRENCH. TUBING BEHIND CURB AND GUTTER SHALL BE INSTALLED WITH A MINIMUM 2' DEPTH OF COVER.
- 10. 1" TUBING, WHEN BENT, SHALL HAVE A RADIUS NO SMALLER THAN 3'. 1 1/2" TUBING, WHEN BENT, SHALL HAVE A RADIUS NO SMALLER THAN 5'. BRASS FITTINGS SHALL NOT BE CONNECTED TO A BENT SECTION OF TUBING.
- 11. SOLID, TUBULAR STAINLESS STEEL INSERT STIFFENERS FOR HDPE TUBING SHALL BE USED AT ALL COMPRESSION FITTINGS. INSERT STIFFENERS SHALL BE FROM THE SAME MANUFACTURER AS THE COMPRESSION FITTING USED.
- 12. FOR RECLAIMED WATER SERVICES AND METERS, ALL RECLAIMED TUBING SHALL BE MANUFACTURED SOLID PURPLE. ALL APPURTENANCES SHALL BE MANUFACTURED PURPLE IF AVAILABLE. ALL FITTINGS THAT ARE NOT AVAILABLE FROM THE MANUFACTURER IN PURPLE SHALL BE PAINTED PURPLE PER TCEQ. ALL METER BOX LIDS SHALL BE PURPLE AND HAVE "RECLAIMED WATER" CAST INTO THEM.

	CITY OF BURNET DEPARTMENT OF PUBLIC WORKS		WATER SERVICE & METER 1" & SMALLER METERS	
	APPROVED BY: STAFF	DATE: 08/2020	The Architect/Engineer assumes responsibility for appropriate use of this standard.	DETAIL NUMBER: W-21 2 OF 2



MB16 METER BOX

NOTE:

- METER BOXES SHALL BE BY SOUTHEASTERN DISTRIBUTORS OR CITY APPROVED EQUAL.



CITY OF BURNET
DEPARTMENT OF PUBLIC WORKS

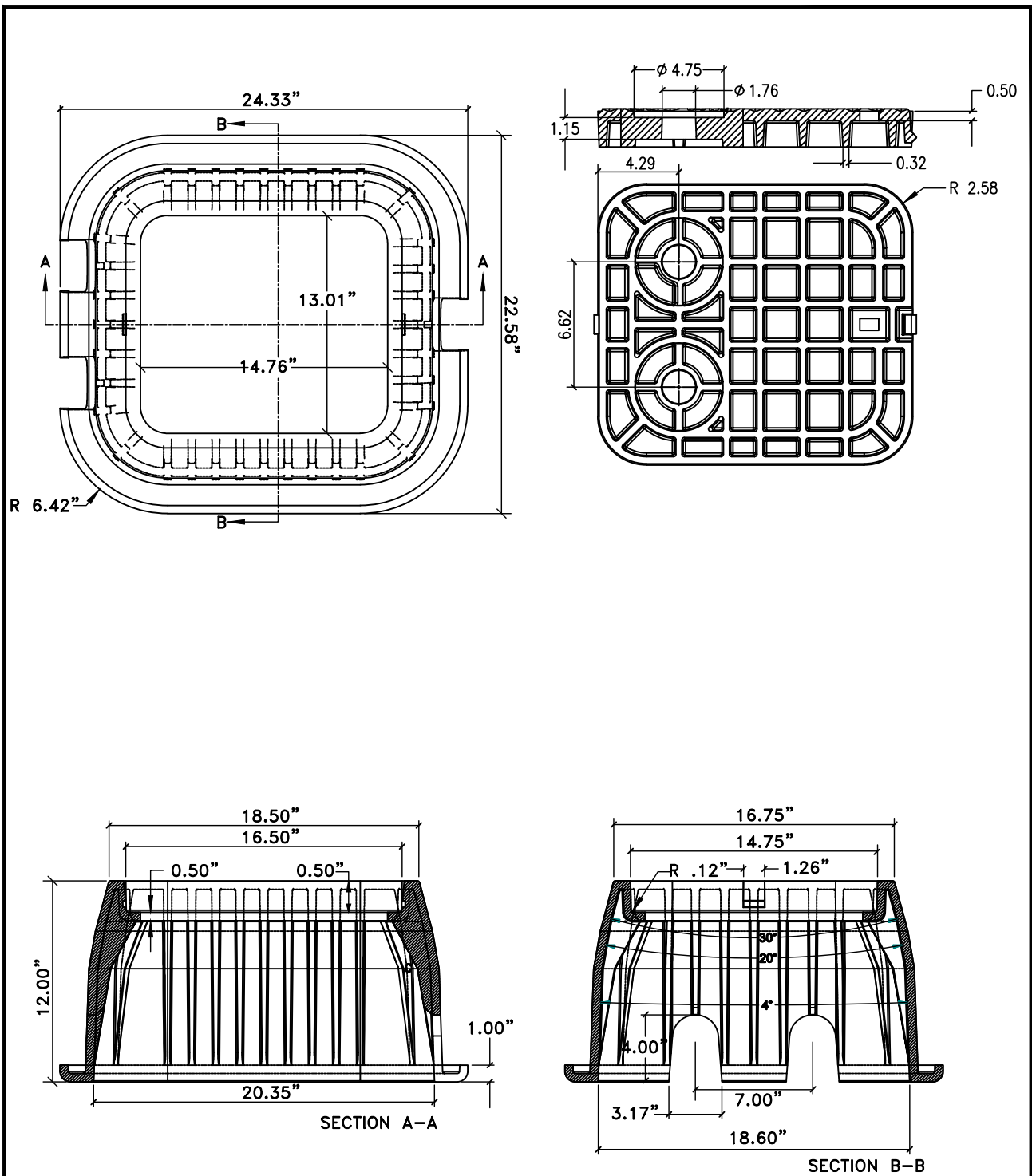
APPROVED BY:
STAFF

DATE:
08/2020

METER BOX FOR SINGLE
5/8" X 3/4" AND 3/4"
AND 1" METERS

The Architect/Engineer
assumes responsibility
for appropriate use of
this standard.


DETAIL NUMBER:
W-22

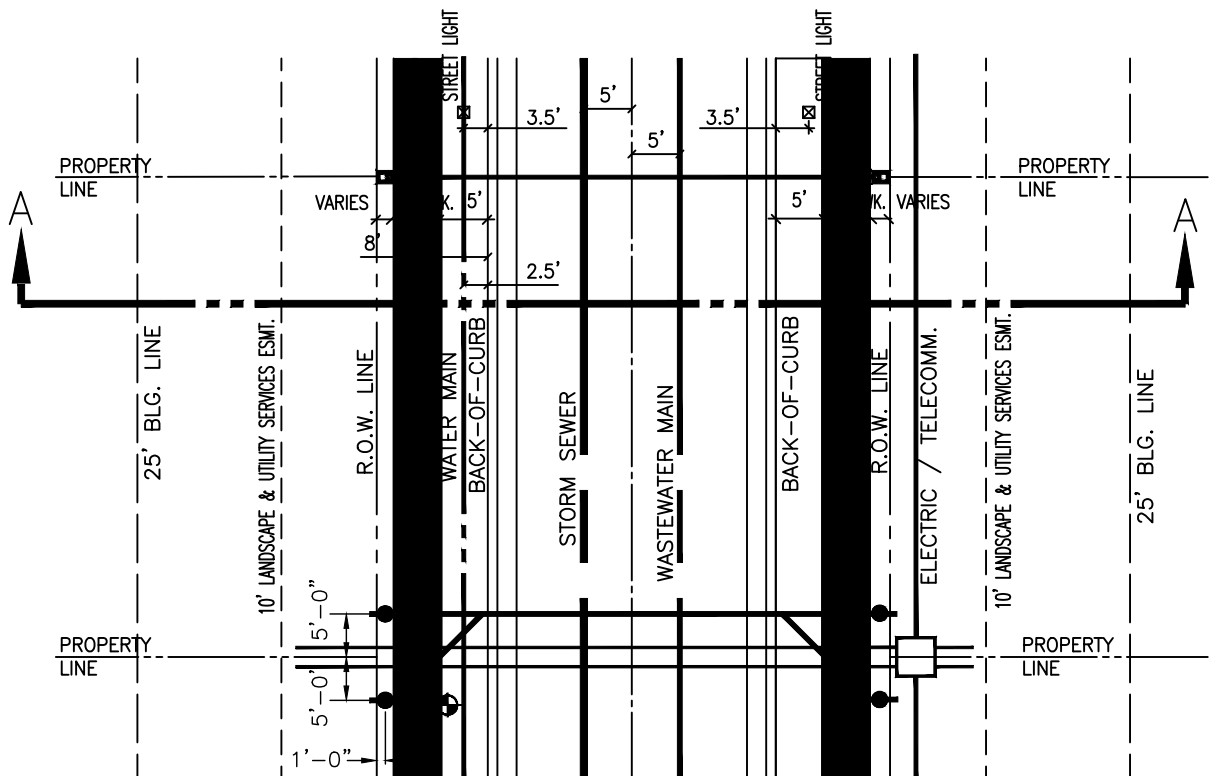


MB18 METER BOX

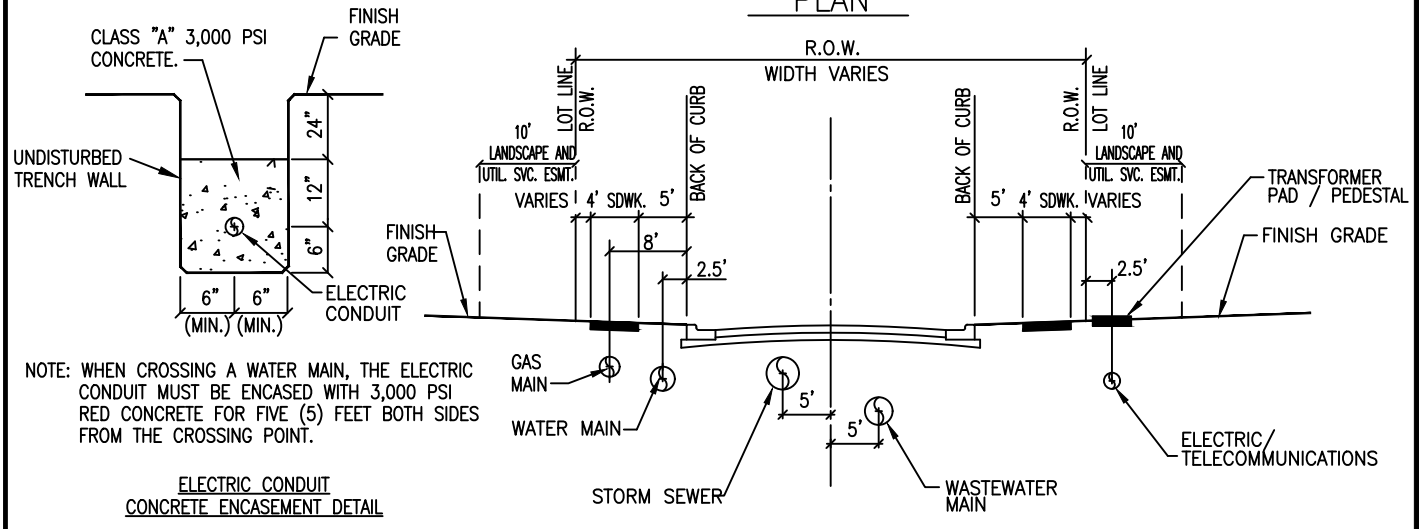
NOTE:

1. USE SINGLE METER BOXES FOR DOUBLE SERVICES OVER 1" IN SIZE.
2. METER BOXES SHALL BE BY SOUTHEASTERN DISTRIBUTORS OR CITY APPROVED EQUAL.

	CITY OF BURNET DEPARTMENT OF PUBLIC WORKS	METER BOX FOR DOUBLE 5/8" X 3/4" AND 3/4" METERS	
	APPROVED BY: STAFF	DATE: 08/2020	The Architect/Engineer assumes responsibility for appropriate use of this standard.



PLAN



SECTION A-A

MINIMUM COVER BELOW FINISH-GRADE ALL UTILITIES UNDER ROADWAY - 36"	
ELECTRIC PRIMARY	42"
ELECTRIC SECONDARY	24"
WATER	36"
WASTEWATER	42"
STORM SEWER	36"
GAS	36"
TELECOMMUNICATIONS	36"

CLASSIFICATION	B-B	PVMT.
ACCESS	31'	27'
RESIDENTIAL STREET 3-80 DU	27'	23'
RESIDENTIAL STREET 81-200 DU	31'	27'

NOTE: SEE TYPICAL TRENCH DETAIL E-01 FOR PRIMARY / SECONDARY / TELECOMMUNICATION DEPTH.



CITY OF BURNET
DEPARTMENT OF PUBLIC WORKS

UTILITY ASSIGNMENTS FOR LOCAL
STREETS, RESIDENTIAL COLLECTORS
AND MINOR COLLECTORS

APPROVED BY:
STAFF

DATE:
11/2020

The Architect/Engineer
assumes responsibility
for appropriate use of
this standard.

DETAIL NUMBER:
W-01A