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RULE NO. R161-26.24

NOTICE OF PROPOSED RULE **POSTING DATE: August 24, 2026**

The Director of Austin Water proposes to adopt the following rule on October 1, 2026.

EFFECTIVE DATE OF PROPOSED RULE

A rule proposed in this notice may not become effective before the effective date established by a separate notice of rule adoption. A notice of rule adoption may not be posted before September 25, 2026, or after November 2, 2026 (the 70th day after the date of this notice).

If a proposed rule is not adopted on or before November 2, 2026, it is automatically withdrawn and cannot be adopted without first posting a new notice of a proposed rule.

REQUEST FOR COMMENTS ON PROPOSED RULES

The City requests comments from the public with respect to the proposed rule included in this Notice. Comments must be submitted in writing to the contact person below no later than September 24, 2026. A summary of the written comments received will be included in the notice of rule adoption that must be posted for the rule to become effective.

Contact Person:

Eric Langhout
Austin Water Department
eric.langhout@austintexas.gov
512-972-0073

TEXT OF PROPOSED RULE

The text of the proposed rule indicating changes from the current text is attached to this notice.

BRIEF EXPLANATION OF PROPOSED RULE

R161-26.24: Proposed revision to Standard 511

Rule 2 – Revisions to Standard 511

1. **Standard 511-AW-04A** – Update detail to include latest marker post requirements and clarification of base ring.

2. **Standard 511-AW-04B** – Update detail to include latest marker post requirements and clarification of base ring.

An affordability impact statement regarding the proposed rule is available by contacting Eric Langhout, eric.langhout@austintexas.gov or 512-972-0073.

AUTHORITY FOR ADOPTION OF PROPOSED RULE

The authority and procedure for adoption of a rule to assist in the implementation, administration, or enforcement of a provision of the City Code is provided in City Code Chapter 1-2 (*Adoption of Rules*). The authority to adopt this rule is established in City Code Section 15-9-9 (*Criteria Manuals*).

CERTIFICATION BY CITY ATTORNEY

By signing this Notice of Proposed Rule R16l-26.24, the City Attorney certifies the City Attorney has reviewed the rule and finds that adoption of the rule is a valid exercise of the Director's administrative authority.

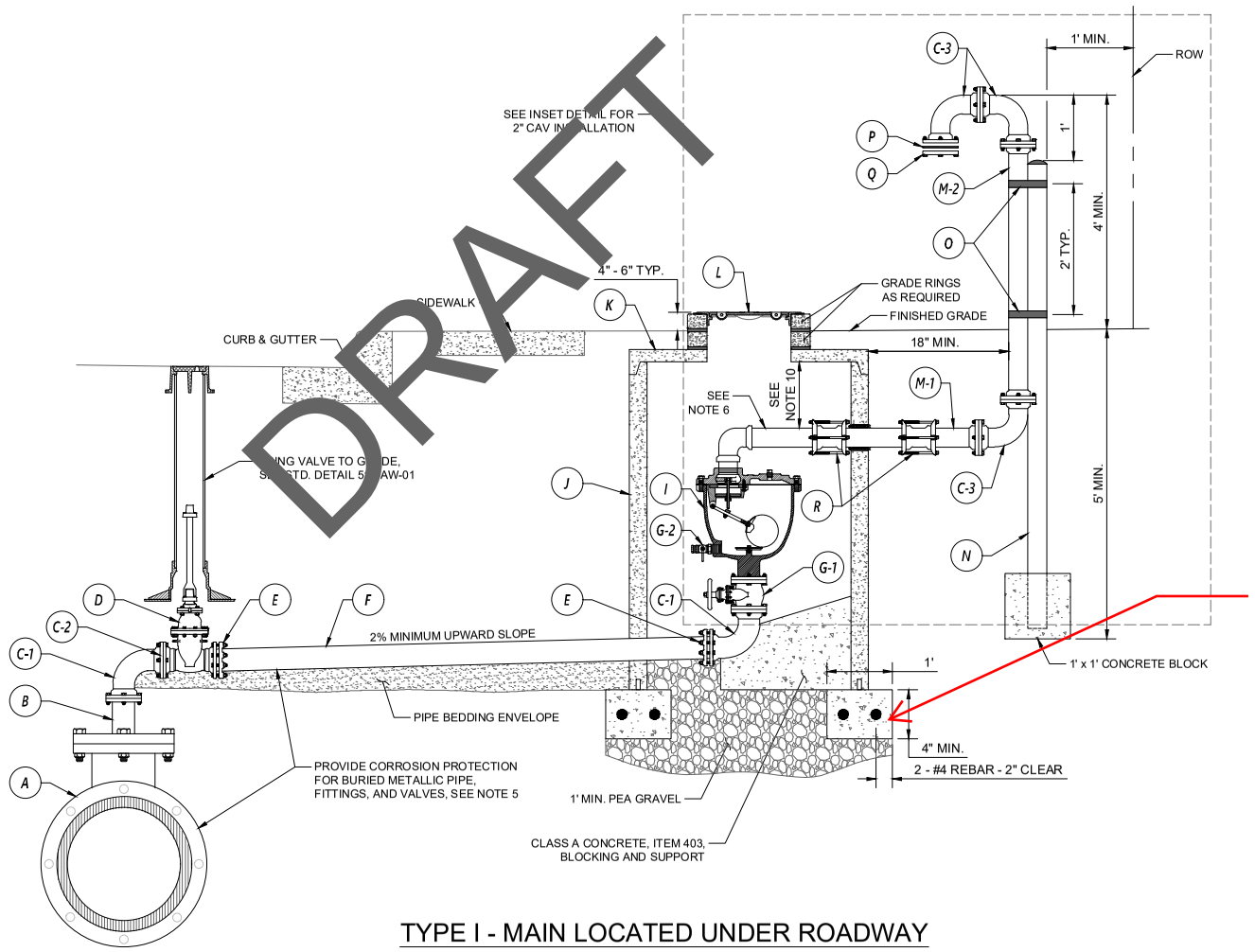
REVIEWED AND APPROVED:

Shay Ralls Roalson, P.E., Director
Austin Water

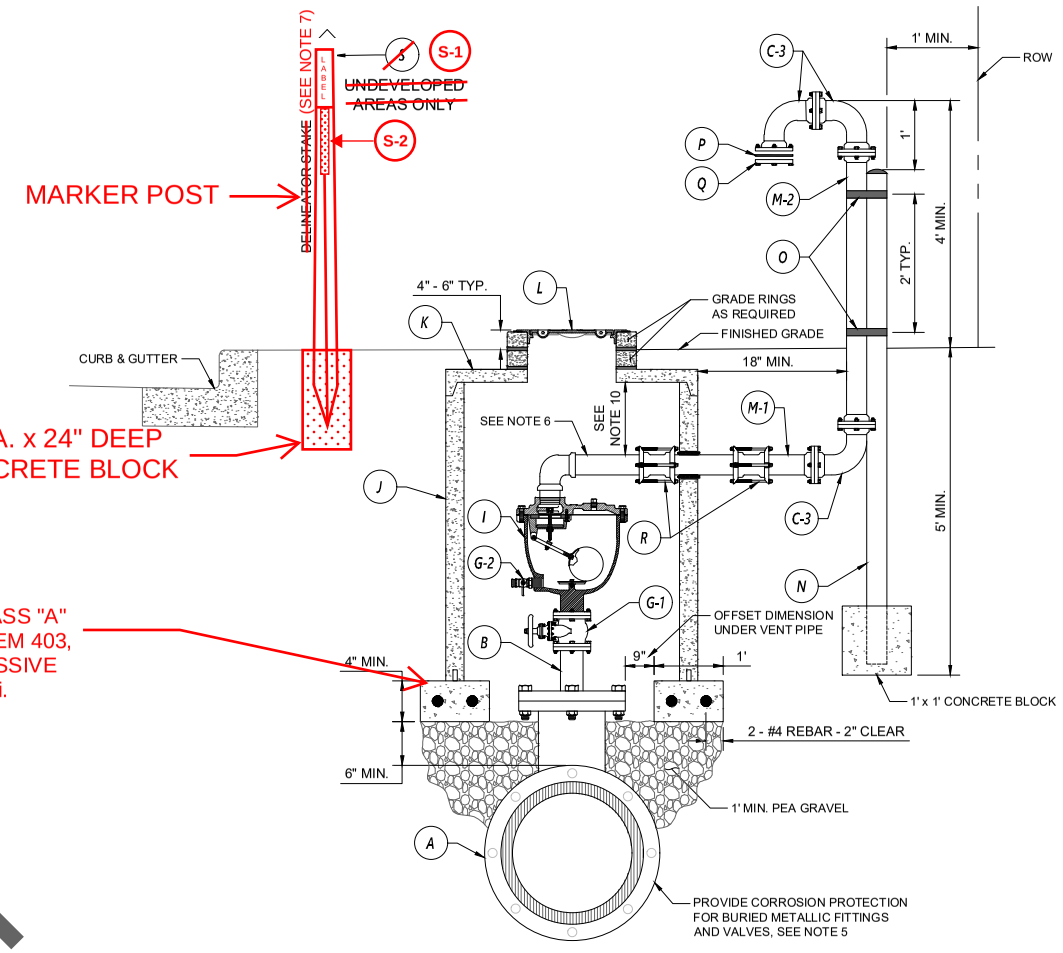
Date: 8/19/2026

Deborah Thomas
City Attorney

Date: 8/20/2026



TYPE I - MAIN LOCATED UNDER ROADWAY



TYPE II - MAIN LOCATED OUTSIDE ROADWAY

TABLE 1 FOR ITEM (A)	
MAIN SIZE (IN)	FLANGED TEE BRANCH OR OUTLET (IN)
8	8
12	12
16	12
24	16
30	20
36	20

A. AIR ACCUMULATOR, DI TEE (MJ x MJ x FL), WW-27C, OR DI PIPE WITH FLANGED OUTLET, WW-27 (SEE TABLE 1 FOR SIZING)

B. FL x FL REDUCING SPOOL, WW-463, SEE NOTE 8

C-1. 90° BEND (4" or 6", FL x MJ), WW-27C, SEE NOTE 8

C-2. JOINT RESTRAINT DEVICE FOR MJ BELL CONNECTION (4" OR 6"), WW-27A-01

C-3. 90° BEND (4" OR 6", FL x FL), WW-27C

D. GATE VALVE (4" OR 6", MJ x MJ), WW-700

E. WEDGE-ACTION MJ RESTRAINT DEVICE, WW-27A, OR HDPE MJ ADAPTER, WW-706A (4" OR 6")

F. DI PIPE (PE x PE), WW-27A, OR HDPE PIPE W/ MJ ADAPTERS, WW-706 (4" OR 6"), SEE NOTE 9

G-1. ISOLATION VALVE (2", 4" OR 6"), SEE NOTE 4 AND INSET DETAIL

G-2. THREADED BALL VALVE (SUPPLIED AND INSTALLED BY AUSTIN WATER)

H. THREADED COMPANION FLANGE (4" x 2"), WW-463

I. COMBINATION AIR VALVE (CAV), WW-462A

J. 2" CAV: 48" DIA. PRECAST MANHOLE SECTION
4" CAV: 60" DIA. PRECAST MANHOLE SECTION
6" CAV: 72" DIA. PRECAST MANHOLE SECTION
WW-146

K. REINFORCED PRECAST CONCRETE FLAT TOP LID, AASHTO H-20 LOADING (w/34" DIA. OPENING CENTERED IN LID)

L. 32" MANHOLE COVER CASTING SETS (w/32" TOP FLANGE RING; CAST "POTABLE WATER" OR "RECLAIMED WATER" INTO COVER), WW-219

M-1. DI VENT PIPE (4" OR 6", FL x PE), SEE NOTE 6

M-2. DI VENT PIPE (4" OR 6", FL x FL), SEE NOTE 6

N. DI SUPPORT PIPE FILLED WITH CONCRETE (4" OR 6"), SEE NOTE 6

O. 1" x 1/4" GALVANIZED STRAPS

P. NO. 16 MESH 316 STAINLESS STEEL CLOTH

Q. RETAINER FLANGE (OPENING TO MATCH I.D. OF VENT PIPE)

R. TRANSITION COUPLING, WW-506

S-1. MARKER POST, WW-595, SEE NOTE 7

T. 2" GALVANIZED IRON PIPE, SEE NOTE 6

U. SCREEN COVER VENT CAP (#401 CLAY AND BAILEY MFG. CO. OR EQUIVALENT)

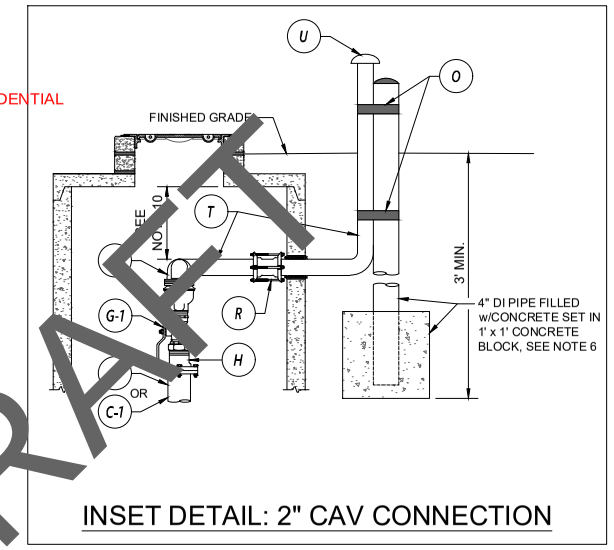
S-2. DOT-C2 REFLECTIVE TAPE, WHITE, 2" WIDE AND 12" LONG, SEE NOTE 7.

7. IN NON-RESIDENTIAL AND UNMANICURED AREAS INSTALL ONE MARKER POST IN CONCRETE PAD FACING THE VEHICULAR ACCESS SIDE OR AS DIRECTED BY AW OR INSPECTOR. MARKER POST SHALL BE BLUE FOR POTABLE OR PURPLE FOR RECLAIMED AND EXTEND AT LEAST 48" ABOVE FINISHED GRADE. 2" WIDE AND 12" LONG, WHITE, DOT-C2 REFLECTIVE TAPE TO BE APPLIED BY CONTRACTOR TO FRONT OF MARKER POST AS SHOWN.

NOTES:

1. ENTIRE CAV ASSEMBLY SHALL BE LOCATED IN EASEMENT OR R.O.W.
2. CAV SHALL BE INSTALLED IN A MANNER WHICH WILL ALLOW REMOVAL OF ASSEMBLY FROM VAULT WITHOUT REMOVAL OF PRECAST CONCRETE LID. VAULT SHALL NOT BE INSTALLED IN A TRAFFIC AREA.
3. CONCRETE PIPE PENETRATIONS SHALL BE CORE BIT DRILLED. VOID SHALL BE SEALED WITH LINKSEAL LS300 OR APPROVED EQUAL.
4. FOR 2" CAV, USE BALL VALVE (THREADED) WITH LEVER HANDLE PER WW-68; FOR 4" AND 6" CAV, USE GATE VALVE (FL x FL) WITH HAND WHEEL PER WW-700.
5. WRAP BURIED METALLIC PIPE, FITTINGS AND VALVES IN 8 MIL. POLYETHYLENE ENCASEMENT (PER WW-27D).
6. CAV OUTLET SHALL BE CONNECTED DIRECTLY TO VENT PIPE. IN ~~DEVELOPED~~ AREAS, VENT PIPE SHALL BE LOCATED NOT TO CONFLICT WITH SIDEWALK, DRIVEWAY, OR OTHER PEDESTRIAN TRAFFIC. EXTERIOR OF VENT PIPE AND DI SUPPORT PIPE SHALL BE PAINTED BLUE FOR POTABLE OR PURPLE FOR RECLAIMED PER WW-3C. SURFACE PREPARATION SHALL BE PER PAINT MANUFACTURER'S REQUIREMENTS.
7. IN ~~UN~~DEVELOPED AREAS INSTALL ONE DELINEATOR STAKE WITHIN 3' OF THE VAULT ON THE VEHICULAR ~~ACCESS SIDE OR~~ AS DIRECTED BY AW. DELINEATOR SHALL BE BLUE FOR POTABLE OR PURPLE FOR RECLAIMED ~~AND EXTEND~~ AT LEAST 60" ABOVE FINISHED GRADE. DELINEATOR SHALL HAVE 2" WIDE, WHITE IN COLOR, TYPE I REFLECTIVE TAPE MOUNTED DIAGONALLY AT 12" SPACING ON BOTH SIDES.
8. REDUCING SPOOL FOR ITEM B SHALL BE 4" DIAMETER FOR A 2" OR 4" CAV, OR 6" DIAMETER FOR A 6" CAV.
9. RECLAIMED WATER SERVICE: ALL BURIED RECLAIMED PIPE AND FITTINGS SHALL BE MANUFACTURED PURPLE PIPE OR WRAPPED IN PURPLE POLYETHYLENE PER WW-27D. HDPE PIPE, IF USED, SHALL BE MANUFACTURED WITH PURPLE STRIPES PER WW-706. ALL NON-BURIED PIPE AND APPURTENANCES SHALL BE MANUFACTURED PURPLE AVAILABLE OR PAINTED PURPLE PER WW-3C.
10. FOR 2" CAV, 6" MINIMUM AND 12" MAXIMUM. FOR 4" - 6" CAV, 12" MINIMUM AND 24" MAXIMUM. FLANGED SPOOLS LONGER THAN 12" ARE PROHIBITED BELOW CAV TO OBTAIN REQUIRED HEIGHT.
11. AT FLANGED CONNECTIONS, USE FULL FACE 1/8" THICK RED RUBBER GASKETS. NUTS AND BOLTS SHALL BE STAINLESS STEEL (SS304 OR SS316), OR HIGH-STRENGTH LOW-ALLOY STEEL WITH A BLUE FLUOROPOLYMER FINISH.

RESIDENTIAL



INSET DETAIL: 2" CAV CONNECTION

DRAFT
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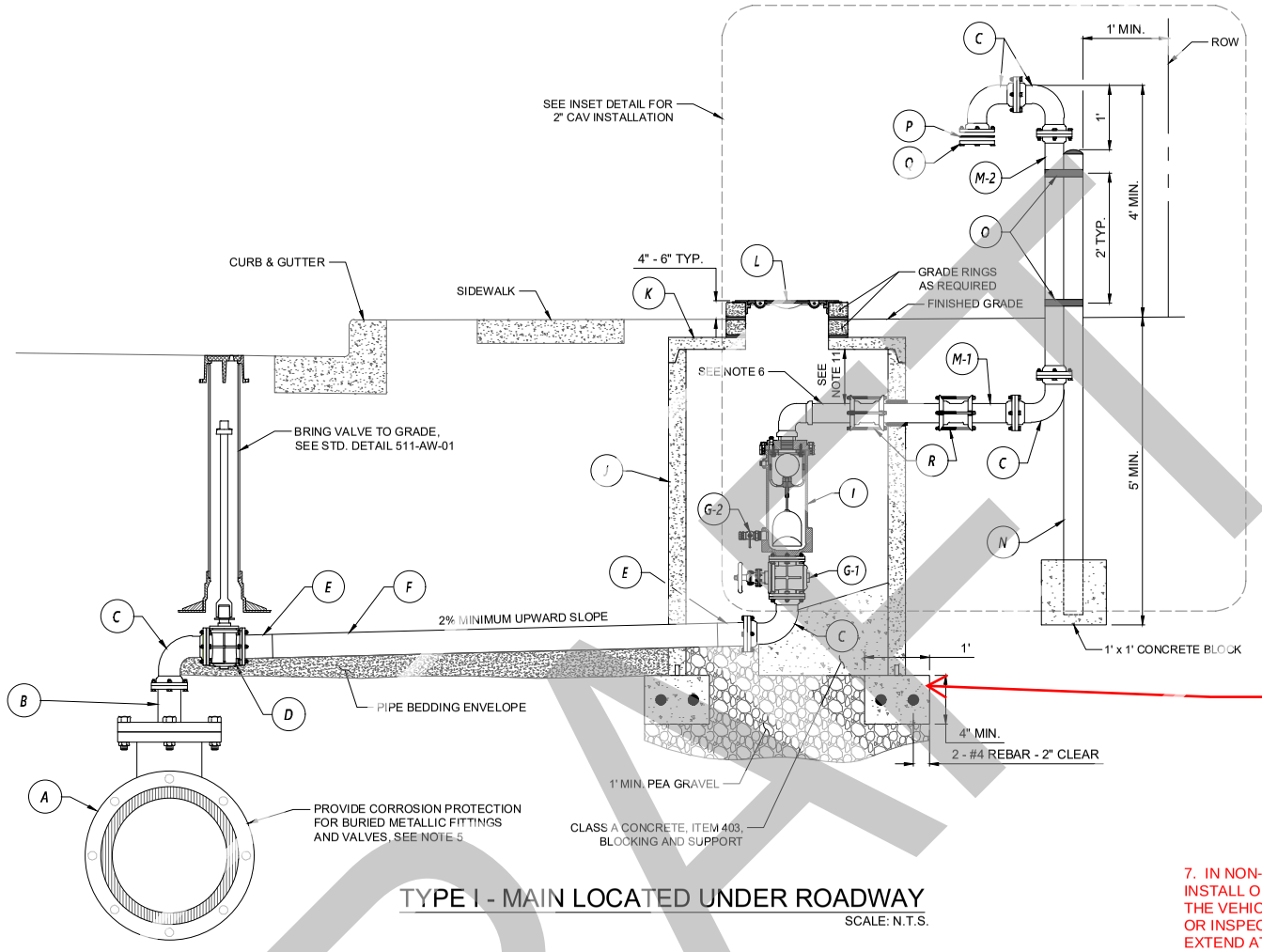
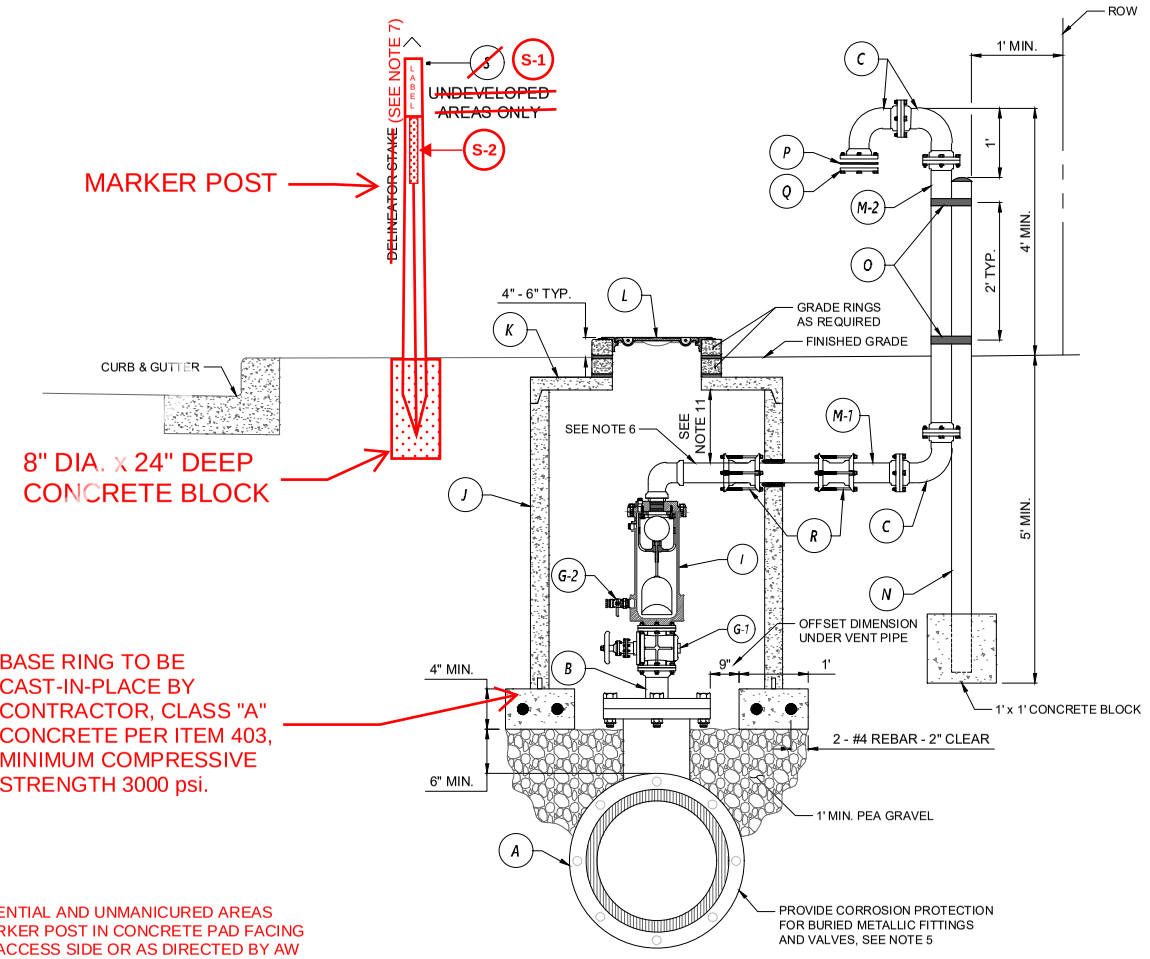
CITY OF AUSTIN AUSTIN WATER	COMBINATION AIR VALVE (CAV) ASSEMBLIES FOR POTABLE AND RECLAIMED SERVICE (2", 4" & 6" ONLY)	
DRAFT 7/16/2026 ADOPTED	THE ENGINEER/ARCHITECT ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD. MODIFICATIONS TO THIS STANDARD ARE PROHIBITED.	STANDARD NO. 511-AW-04A 1 OF 1



TYPE I - MAIN LOCATED UNDER ROADWAY

SCALE: N.T.S.



TYPE II - MAIN LOCATED OUTSIDE ROADWAY

SCALE: N.T.S.

TABLE 1 FOR ITEM (A)	
FORCE MAIN SIZE (IN)	TEE BRANCH OR FLANGED OUTLET (IN)
4	4
6	4
8	8
10	10
12	12
16	12

A. AIR ACCUMULATOR, DI TEE (MJ x MJ x FL), WW-27C, SEE NOTES 5 & 12 (SEE TABLE 1 FOR SIZING)

B. FL x FL REDUCING SPOOL, WW-463, SEE NOTES 8, 9, 10

C. FL x FL 90° BEND, WW-27C, SEE NOTE 8

D. FL x FL PLUG VALVE, WW-703, SEE NOTE 8

E. HDPE FLANGE ADAPTER, WW-706A, SEE NOTE 8

F. HDPE PIPE (4" OR 6"), WW-706

G-1. ISOLATION VALVE (2", 4", 6"), SEE NOTE 4 AND INSET DETAIL

G-2. THREADED BALL VALVE (SUPPLIED AND INSTALLED BY AUSTIN WATER)

H. THREADED COMPANION FLANGE (4"X2"), WW-463

I. COMBINATION AIR VALVE (CAV), WW-462

J. 2" CAV: 48" DIA. PRECAST MANHOLE SECTION
4" CAV: 60" DIA. PRECAST MANHOLE SECTION
6" CAV: 72" DIA. PRECAST MANHOLE SECTION
WW-146

K. REINFORCED PRECAST CONCRETE FLAT TOP LID, AASHTO H-20 LOADING (w/34" DIA. OPENING CENTERED IN LID)

L. 32" MANHOLE COVER CASTING SETS (w/32" TOP FLANGE RING; CAST WASTEWATER INTO COVER), WW-219

M-1. DI VENT PIPE (4" OR 6", FL x PE), SEE NOTES 5, 6 & 8

M-2. DI VENT PIPE (4" OR 6", FL x FL), SEE NOTES 5, 6 & 8

N. DI SUPPORT PIPE FILLED WITH CONCRETE (4" OR 6")

O. 1" x ¼" GALVANIZED STRAPS

P. NO. 16 MESH 316 STAINLESS STEEL CLOTH

Q. RETAINER FLANGE (OPENING TO MATCH I.D. OF VENT PIPE)

R. TRANSITION COUPLING, WW-506

S-1. MARKER POST, WW-595, SEE NOTE 7

S-2. DOT-C2 REFLECTIVE TAPE, WHITE, 2" WIDE AND 12" LONG, SEE NOTE 7.

T. 2" GALVANIZED IRON PIPE, SEE NOTE 6

U. SCREEN COVER VENT CAP (#401 CLAY AND BAILEY MFG. CO. OR EQUIVALENT)

7. IN NON-RESIDENTIAL AND UNMANICURED AREAS INSTALL ONE MARKER POST IN CONCRETE PAD FACING THE VEHICULAR ACCESS SIDE OR AS DIRECTED BY AW OR INSPECTOR. MARKER POST SHALL BE GREEN AND EXTEND AT LEAST 48" ABOVE FINISHED GRADE. 2" WIDE AND 12" LONG, WHITE, DOT-C2 REFLECTIVE TAPE TO BE APPLIED BY CONTRACTOR TO FRONT OF MARKER POST AS SHOWN.

RESIDENTIAL

NOTES:

1. ENTIRE CAV ASSEMBLY SHALL BE LOCATED IN EASEMENT OR R.O.W.
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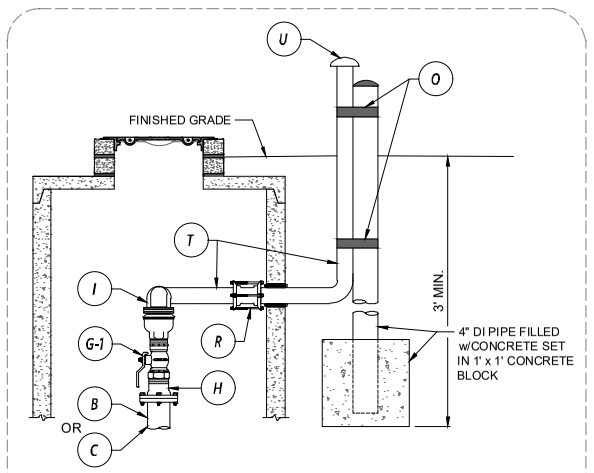
3. CONCRETE PIPE PENETRATIONS SHALL BE CORE BIT DRILLED. VOID SHALL BE SEALED WITH LINKSEAL LS300 OR APPROVED EQUAL.
4. FOR 2" CAV, USE PLUG VALVE (THREADED) WITH LEVER HANDLE PER WW-703; FOR 4" AND 6" CAV, USE PLUG VALVE (FL x FL) WITH HAND WHEEL PER WW-703.
5. ALL DI FITTINGS SHALL BE EPOXY LINED (PER WW-27C AND WW-534), WRAP BURIED METALLIC FITTINGS AND VALVES IN 8 MIL. POLYETHYLENE ENCASEMENT (PER WW-27D).
6. CAV OUTLET SHALL BE CONNECTED DIRECTLY TO VENT PIPE. IN ~~DEVELOPED~~ AREAS, VENT PIPE SHALL BE LOCATED NOT TO CONFLICT WITH SIDEWALK, DRIVEWAY, OR OTHER PEDESTRIAN TRAFFIC. EXTERIOR OF VENT PIPE AND DI SUPPORT PIPE SHALL BE PAINTED GREEN PER WW-3C. SURFACE PREPARATION SHALL BE PER PAINT MANUFACTURER'S REQUIREMENTS.
7. ~~IN UNDEVELOPED AREAS~~ INSTALL ONE DELINEATOR STAKE WITHIN 3' OF THE VAULT ON THE VEHICULAR ACCESS SIDE OR AS DIRECTED BY AW. DELINEATOR SHALL BE GREEN AND EXTEND ~~AT LEAST 66" ABOVE FINISHED GRADE~~. DELINEATOR SHALL HAVE 2" WIDE, WHITE IN COLOR, TYPE I REFLECTIVE TAPE MOUNTED DIAGONALLY AT 12" SPACING ON BOTH SIDES.
8. AT FLANGED CONNECTIONS (EXCEPT FOR HDPE FLANGE ADAPTERS), USE FULL FACE ⅛" THICK RED RUBBER GASKETS. NUTS AND BOLTS SHALL BE STAINLESS STEEL (SS304 OR SS316) OR HIGH-STRENGTH LOW-ALLOY STEEL WITH A BLUE FLUOROPOLYMER FINISH.
9. ITEM B NOT NECESSARY WHEN FORCE MAIN SIZE IS 4" OR 6" DIAMETER.
10. REDUCING SPOOL FOR ITEM B SHALL BE 4" DIAMETER FOR A 2" OR 4" CAV, OR 6" DIAMETER FOR A 6" CAV.
11. FOR 2" CAV, 6" MINIMUM AND 12" MAXIMUM. FOR 4" - 6" CAV, 12" MINIMUM AND 24" MAXIMUM. FLANGED SPOOLS LONGER THAN 12" ARE PROHIBITED BELOW CAV TO OBTAIN REQUIRED HEIGHT.
12. HDPE FORCE MAIN SHALL BE CONNECTED TO AIR ACCUMULATOR, DI TEE (ITEM A.) BY USE OF AN APPROVED HDPE MJ ADAPTER (PER WW-706A).



INSET DETAIL: 2" CAV CONNECTION

SCALE: N.T.S.

CITY OF AUSTIN AUSTIN WATER	COMBINATION AIR VALVE (CAV) ASSEMBLIES FOR FORCE MAINS (2", 4" & 6" ONLY)	
DRAFT 07/16/2026 ADOPTED	THE ENGINEER/ARCHITECT ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD. MODIFICATIONS TO THIS STANDARD ARE PROHIBITED.	STANDARD NO. 511-AW-04B 1 OF 1

DRAFT