

REFERENCES:

CITY OF AUSTIN

Date 05/25/2021

OUNDED 1839

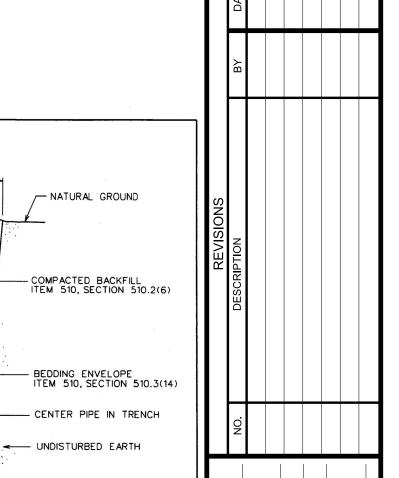
LOCATION OF EXISTING

DEPARTMENT OF PUBLIC WORKS

1. UTILITY CRITERIA MANUAL SECTION 3.4.3, "FINAL DESIGN" 2. STANDARD SPECIFICATION MANUAL ITEM 510,
SECTION 510.2(6), "SELECT BACKFILL OR BORROW";
SECTION 510.3(6), "TRENCH DEPTH AND DEPTH OF COVER";

SECTION 510.3(14), "PIPE BEDDING ENVELOPE"





WITH UNFINISHED SURFACE THE ARCHITECT/ENGINEER ASSUMES
RESPONSIBILITY FOR APPROPRIATE USE

5105 - 5

THE ARCHITECT/ENGINEER ASSUMES
RESPONSIBILITY FOR APPROPRIATE USE

5105 - 5

VINCENT A. GERACCI 140026

Know what's **below.** Call before you dig.

EXPIRATION DATE: APPLICATION DATE: 04/17/2020

CS-MU-V-CO, CS-V,

Zoning: _CS-CO & CS-VO-CO

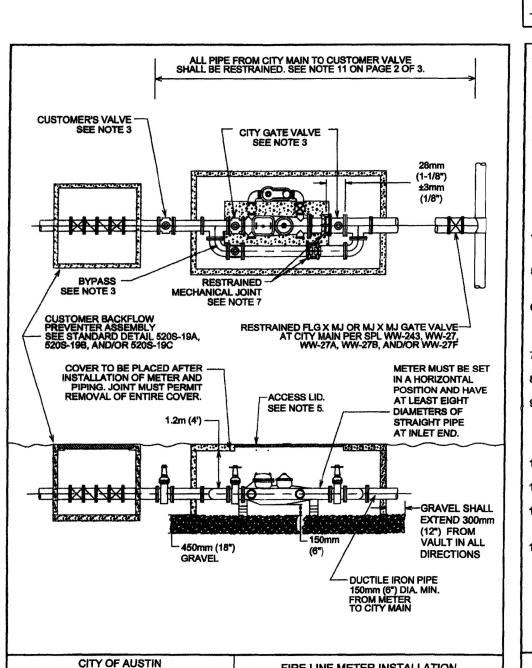
Correction No.1

Correction No.2

JOB NUMBER: A523-1013

SHEET NO.

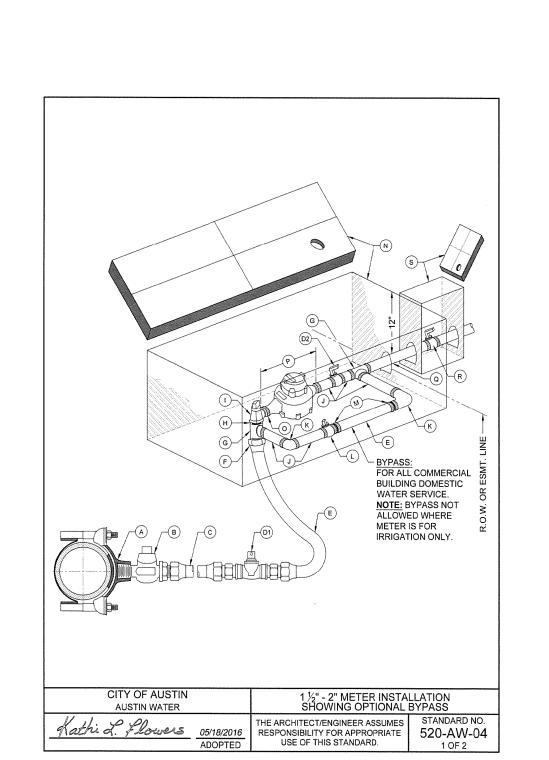
±375 mm --- CAST IRON READER LID -SLIP RESISTANT SURFACE PLAN BOX AS INDICATED ON THE DRAWINGS — 100 mm (4")
CEMENT TREATED BASE
SPECIFICATION ITEM NO. 2045 CONCRETE PAVERS
60 mm (23/8") THICK COMPACTED SUBGRADE PER SPECIFICATION ITEM NO. 2015, SUBGRADE PREPARATION SECTION A-A ALTERNATE 38 mm (11/2") AND 50 mm (2") WATER METER VAULT ALTERNATE BACKFLOW PREVENTOR VAULT SIDEWALK PAVER INSTALLATION-WATER METER VAULT . THE ARCHITECT/ENGINEER ASSUMES
RESPONSIBILITY FOR APPROPRIATE USE 4805-2
ADDITION OF THIS STANDARD.



FIRE LINE METER INSTALLATION

WALL PIPES IF CAST IN PLACE. ALL PIPE SHALL BE RESTRAINED REGARDLESS IF VAULT PRE-CAST OR CAST IN PLACE, RESTRAINED BOTH WAYS. H20 LOADING REQUIRED FOR METER VAULT SHALL BE BEHIND CURB AND/OR WALK, AND NOT IN VEHICULAR MAIN LINE AND BYPASS GATE VALVES WILL BE RESILIENT SEAT TYPE WITH CORROSION RESISTANT FUSION BONDED EPOXY COATING INSIDE AND OUTSIDE, NON-RISING STEM. MAIN LINE VALVES SHALL HAVE HAND-WHEELS. BYPASS VALVES SHALL HAVE HAND-WHEELS. PROPERTY OWNER'S VALVE SHALL NOT BE LOCATED IN THE CITY OF AUSTIN METER VAULT. HAND-WHEEL EXCEPTION: IF HAND-WHEEL IS NOT LOCATED WITHIN 300mm (12") HORIZONTALLY OF ACCESS HATCH, GATE VALVE SHALL BE INSTALLED WITH OPERATING NUT ACCESSIBLE FROM RING AND COVER LOCATED ON **VAULT LID PER SPL WW-622.** APPROVAL REQUIRED IF HEIGHT OF VAULT EXCEEDS 1.8m (72"), CONTACT THE PIPELINE ENGINEERING DIVISION OF AUSTIN WATER UTILITY. METER SHALL BE LEGIBLE TO READ FROM TOP OF VAULT. ACCESS LID SHALL BE 1.2 m x 1.8 m (4'x6') DOUBLE LEAF PER SPL WW-614 (H2O LOADING REQUIRED) WITH SLAM LOCK BY HALLIDAY PRODUCTS OR APPROVED EQUAL, LOCK TO INCLUDE SECURITY OPERATOR. ALL BURIED PIPE SHALL BE BEDDED IN GRANULAR MATERIALS AS REQUIRED BY CITY OF AUSTIN STANDARD SPECIFICATIONS 510.3 (14); BACKFILL ABOVE GRANULAR BEDDING AS REQUIRED BY 510,3 (25). ALL BURIED PIPE SHALL BE WRAPPED IN POLYETHYLENE ENCASEMENT PER SPL WW-27D. FITTINGS IN VAULT SHALL BE FLANGED WITH EXCEPTION OF ONE RESTRAINED MJ ON MAIN AND BYPASS LINES EACH PER SPL WW-27A. VOIDS AT PIPE WALL HOLES SHALL BE FILLED WITH NON-SHRINK GROUT, OR OTHER SEAL OR SEALANT PER SPL WW-146A. THE TOP OF THE METER VAULT SHALL BE AT AN ELEVATION SUCH THAT THE SURROUNDING GROUND SLOPES AWAY FROM THE VAULT. ADDITIONAL DRAINAGE CONSIDERATION SUCH AS CONNECTION OF VAULT TO STORM SEWER, LATERAL DRAIN LINES FROM GRAVEL BED OR OTHER MEANS SHALL BE REQUIRED IF CONDITIONS CAUSE WATER TO COLLECT IN VAULT. BYPASS AND MAIN PIPE SHALL BE SAME DIAMETER. ALL PIPE FROM CITY MAIN TO CUSTOMERS VALVE SHALL BE D.I. ALL EQUIPMENT IN VAULT SHALL BE REMOVABLE WITHOUT ADDITIONAL RESTRAINT OR SUPPORT OF PIPE. ALL CLEARANCES INDICATED ARE MINIMUM, ADDITIONAL CONSIDERATION SHALL BE MADE FOR ACCESS TO ALL COMPONENTS IN VAULT. ALL CLEARANCES SHALL BE INCLUDED ON PLANS SUBMITTED FOR APPROVAL TO AUSTIN WATER UTILITY. LOCATION OF ACCESS DOORS ARE SHOWN TO INDICATE POSSIBLE LOCATION. AN ENGINEER LICENSED BY THE STATE OF TEXAS SHALL DETERMINE SIZE OF VAULT, LOCATION OF ACCESS DOOR AND/OR VALVE CASINGS APPROPRIATE FOR EQUIPMENT, ACCESS, MAINTENANCE AND CLEARANCES. METER VAULTS PER SPL WW-290 ARE ACCEPTABLE IF ALL DESIGN PARAMETERS ARE MET AND SO DETERMINED BY TEXAS LICENSED ENGINEER. FIRE LINE METER INSTALLATION Hethi Albur 8/31/201 THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD. 520S-17

VAULT PER SPL WW-298 OR APPROVED EQUAL. VAULT SHALL INCLUDE THRUST COLLAR NOTES: 14. IN ALL CASES, MINIMUM CLEARANCE FROM WALL TO TEST PORTS SHALL BE 600mm (24"). LICENSED ENGINEER SHALL CONFIRM WITH METER MANUFACTURER LOCATION OF TEST PORTS PRIOR TO SUBMITTAL OF PLANS TO AUSTIN WATER UTILITY FOR APPROVAL. PLANS SHALL INDICATE LOCATION OF TEST PORTS. VAULT SIZES INDICATED ON WATER METER SCHEDULE ARE SUGGESTIONS. ACTUAL EQUIPMENT, PIPE LAYOUT, CLEARANCE, ACCESS AND OTHER INFORMATION SHALL BE TAKEN INTO CONSIDERATION BY AN ENGINEER LICENSED BY THE STATE OF 24" -INTERIOR WALL TO TEST PORTS WATER METER SIZE 150 mm x 50 mm (6" x 2") 200 mm x 50 mm (8" x 2") 250mm x 50mm (10" x 2")



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MATERIALS LIST:

G. 2" BRASS TEE

A. 2" SERVICE CLAMP

2" BALL VALVE, SPL WW-275

2" COPPER SERVICE TUBING

CUSTOMER CUT-OFF VALVE

S. CUSTOMER VALVE BOX AND LID

METER INSTALLATION.

"RECLAIMED WATER" CAST INTO THEM.

CITY OF AUSTIN

AUSTIN WATER

Kathi L. Flowers 05/18/2016

2" BRASS COUPLING - COMPRESSION TO MALE IPT

RECTANGULAR METER BOX AND COVER, SPL WW-145A

TOP OF BOXES SHOULD BE 1" ABOVE GROUND.

ASTM B88 WITH NO SWEAT OR SOLDERED JOINTS.

D2. 2" BALL VALVE, SPL WW-275

I. 2" BRASS CLOSE-NIPPLE

2" BRASS NIPPLE

2" BRASS ELBOW

2" CORPORATION STOP MALE THREAD INLET BY COMPRESSION OUTLET

2" COPPER WATER SERVICE TUBING EXTENDED BEYOND PAVEMENT

2" ANGLE METER STOP; SERVICE TUBING INLET x FLANGED OUTLET

L. 2" LOCKABLE CURB STOP - FEMALE IPT INLET BY COMPRESSION OUTLET
M. 2" BRASS COUPLING - SERVICE TUBING TO MALE IPT

SERVICE CLAMP SHALL BE WRAPPED COMPLETELY WITH 8 MIL. POLYETHYLENE FILM.

BRANCH CONNECTIONS AND ALL ANGLE METER STOPS MUST BE INSTALLED PRIOR TO ANY

PIPING AND TUBING IN STREET RIGHT-OF-WAY SHALL BE BEDDED IN GRANULAR MATERIALS AS REQUIRED BY SECTION 510.3 (14) OF THE CITY OF AUSTIN STANDARD SPECIFICATIONS; BACKFILL

BOX MUST BE BEHIND CURB NEXT TO PROPERTY LINE OR EASEMENT AND OUT OF VEHICULAR TRAFFIC AREA AND SIDEWALK.

BALL VALVE "D1" SHALL NOT BE LOCATED UNDER SIDEWALK, CURB, OR PAVEMENT, AND NOT BE

LOCATED MORE THAN 24" HORIZONTALLY FROM METER BOX OR 36" BELOW FINAL GRADE. COPPER SERVICE SHALL BE COPPER TUBING SIZE ANNEALED SEAMLESS TYPE "K" MEETING

FOR RECLAIMED WATER SERVICES AND METERS, ALL RECLAIMED TUBING SHALL BE MANUFACTURED PURPLE TUBING. ALL OTHER TUBING AND APPURTENANCES SHALL BE MANUFACTURED PURPLE IF

AVAILABLE. ALL TUBING AND FITTINGS THAT ARE NOT AVAILABLE FROM THE MANUFACTURER IN

PURPLE SHALL BE PAINTED PURPLE PER SPL WW-3C. ALL BURIED DI AND CI PIPE AND FITTINGS SHALL ALSO BE WRAPPED IN PURPLE POLYETHYLENE PER SPL WW-27D. ALL COVERS SHALL HAVE

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE 520-AW-04

USE OF THIS STANDARD.

BRASS ADAPTER (2" x 1 ½") FOR 1 ½" METER ONLY WATER METER. LENGTH 13", (PURCHASED FROM AUSTIN WATER)

ABOVE GRANULAR BEDDING AS REQUIRED BY SECTION 510.3 (25).

. 2" COPPER SERVICE TUBING (PRIVATE PLUMBING PER CODE)

