

**SEE STANDARD
SPECIFICATION 0209, 1416,
1433, 1446**

NOTES:

1. ALL SERVICE LINES FOR ¾" AND 1" METERS SHALL BE 1".
2. ALL SERVICE LINES REQUIRE MAGNETIC LOCATOR TAPE AND A TRACER WIRE. THE TAPE IS TO BE INSTALLED 1' BELOW FINISH GRADE. THE TRACER WIRE SHALL BE 12 AWG SOLID UL/UF AND RUN IN A CONTINUOUS LENGTH FROM THE CURB STOP TO THE CORPORATION. THE TRACER WIRE SHALL BE ATTACHED TO THE SERVICE LINE WITH TAPE OR WIRE TIES AT 1' INTERVALS. A MINIMUM OF 6" COILED WIRE SHALL BE LEFT AT THE CURB STOP. POTABLE SERVICES REQUIRE BLUE WIRE; RECLAIMED SERVICES REQUIRE PURPLE WIRE,
3. ALL SERVICE LINES SHALL BE BEDDED AND BACKFILLED USING THE SAME MATERIALS AND METHODS AS THE MAIN LINE.
4. ALL SERVICE TAPS SHALL BE AT A 45° ANGLE AND MUST FACE THE PROPERTY WHERE THE METER WILL BE INSTALLED.
5. TAPS MADE INTO PVC PIPE SHALL BE AT LEAST 2' FROM THE SPIGOT END AND 1' FROM THE BOTTOM OF THE BELL. MULTIPLE TAPS WITHIN AN INDIVIDUAL SECTION OF PVC PIPE SHALL NOT BE LOCATED ON THE SAME AXIS. THE MINIMUM OFFSET SHALL BE 5 DEGREES.
6. TAPS MADE INTO DUCTILE IRON SHALL BE A MINIMUM OF 2' FROM THE SPIGOT AND A MINIMUM OF 1' FROM THE BELL. MULTIPLE TAPS MAY BE MADE AS CLOSE TO EACH OTHER AS PRACTICABLE.
7. METER BOX INSTALLATION IN AREAS SUBJECT TO VEHICULAR TRAFFIC SHALL BE AVOIDED. IF METER BOX INSTALLATION IN AN AREA SUBJECT TO VEHICULAR TRAFFIC IS UNAVOIDABLE CAST IRON BOXES OF THE APPROPRIATE SIZE SHALL BE USED. CAST IRON METER BOXES REQUIRE 2- 2"x4"x12" SOLID CONCRETE BLOCKS.
8. STANDARD METER BOX INSTALLATION NO LONGER REQUIRES BRICKS.
9. THE TOP OF THE METER BOX SHALL BE SET ½ INCH TO 1 INCH ABOVE GRADE, EXCEPT IN CONCRETE SIDEWALKS, DRIVEWAYS, AND PAVED AREAS WHERE THE METER BOX SHALL BE SET FLUSH WITH THE SURROUNDING SURFACE.
10. SPLIT SERVICE CONNECTIONS ARE NOT ALLOWED.

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11. IF OBSTRUCTION PREVENT THE METER BOX FROM BEING INSTALLED IN ACCORDANCE WITH THIS DETAIL, TUCSON WATER WILL EVALUATE ALTERNATE LOCATIONS ON A CASE BY CASE BASIS.
12. ALL METER BOX INSTALLATIONS WILL INITIALLY HAVE THE PIPE ACCESS HOLES (MOUSE HOLES) BLOCKED WITH SUITABLE MATERIAL SUCH AS CORRUGATED CARDBOARD TO PREVENT DIRT FROM ENTERING THE BOX.

13.

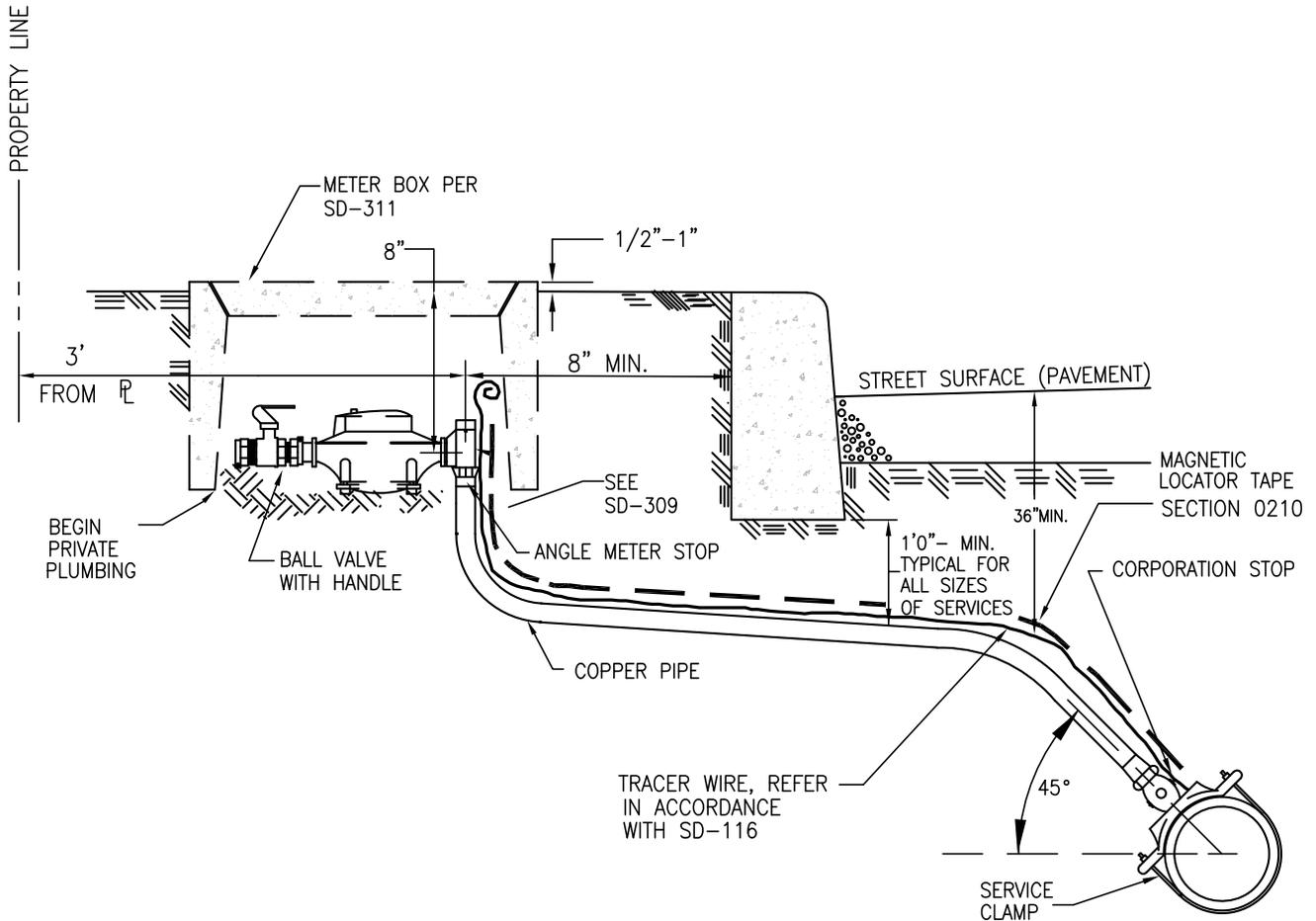
SERVICE LINE DIAMETERS BY LENGTH OF SERVICE LINE*			
	<40'	<40'-100'	>100'
1"	1"	2.0"	2.0"
2.0"	2.0"	2.0"	4" MAIN WITH TW APPROVAL

* ONLY REQUIRE UPSIZING OF SERVICE LINE DIAMETER IF PEAK DAY + FIRE FLOW PRESSURE IS <45 PSI

14. FOR BADLY WORN OR BROKEN WATER METER BOXES AND COVERS, OR FOR WATER METERS NOT HAVING BOXES OR COVERS, THE CONTRACTOR SHALL NOTIFY THE CITY OF TUCSON CONSTRUCTION SECTION REPRESENTATIVE. THE CONSTRUCTION SECTION REPRESENTATIVE SHALL MAKE ARRANGEMENTS FOR THE CONTRACTOR TO OBTAIN NEW WATER METER BOXES AND COVERS FROM THE WATER DEPARTMENT AT NO EXPENSE TO THE CONTRACTOR. THE CONTRACTOR SHALL PICK UP THE NEW METER BOXES AND COVERS FROM CITY STORES, 1445 S 11TH AVENUE, 791-4194, BETWEEN THE HOURS OF 8:00 A.M. AND 2:00 P.M., MONDAY THROUGH FRIDAY.
15. WHERE EXISTING WATER METER BOXES WILL BE ADJUSTED TO A NEW FINISHED GRADE, THE EXISTING METER BOXES SHALL BE SET IN ACCORDANCE WITH SD-309.
16. THE COST OF ADJUSTING WATER METER BOXES SHALL BE INCIDENTAL TO THE COST OF THE PROJECT.

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**COPPER SERVICE MATERIALS
STANDARD SPECIFICATION 1416**

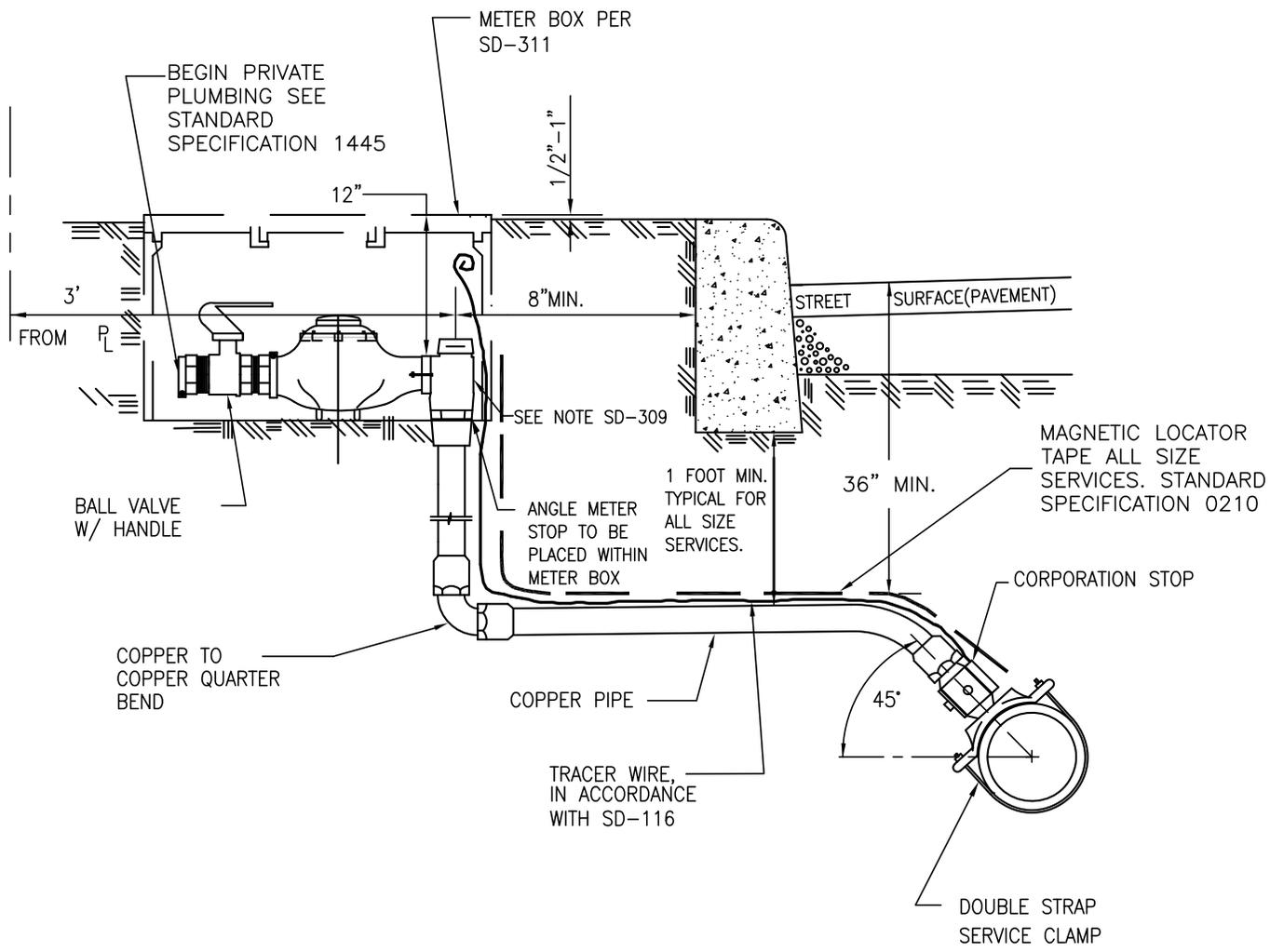


NOTES:

1. SERVICES SHALL NOT BE INSTALLED IN DRIVEWAYS OR SIDEWALKS. SERVICES MUST BE 5' FROM ANY OTHER UTILITY.
2. WHEN SINGLE SERVICES ARE INSTALLED AT A COMMON LOT LINE THE TAPS MUST BE 30 INCHES APART A SINGLE TRENCH MAY BE USED WITH 24" OF SEPARATION BETWEEN SERVICE LINES.
3. PRIVATE PLUMBING SHALL BE ADJUSTED TO MATCH NEW METER ELEVATIONS.

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**COPPER SERVICE MATERIALS
STANDARD SPECIFICATION 1416**



NOTES:

1. PRIVATE PLUMBING MUST BE ADJUSTED TO MATCH NEW METER ELEVATION.
2. IF METER BOX IS LOCATED IN SIDEWALK AREA, THE BOX SHALL BE INSTALLED ADJACENT TO BACK OF CURB.

METER SIZE
1 1/2 & 2"

BOX TYPE
NO. 3

ST. DET. NO.
SD-311

ISSUED:		STANDARD DETAIL WATER SERVICE CONNECTIONS 2" SINGLE		DETAIL NO.
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