

LAS VEGAS VALLEY WATER DISTRICT

ENGINEERING SYSTEMS

TECHNICAL BULLETIN NO. 13

December 1994

REVISED SERVICE RULES

The District Service Rules have been revised. Copies of the revised Rules are available at the District's Business Office and Engineering Services Division counter.

All plans that were received by the close of business on October 19, 1994, may be approved under the previous Service Rules if the plans are approved and fees paid by close of business January 27, 1995. It is recommended that water plans be submitted prior to the cut-off date for "technical approval" to insure they can be approved when the fees are paid.

EFFECTIVENESS ASSESSMENT

The District has hired a private consulting firm to perform an internal effectiveness assessment. The firm's name is The American Productivity and Quality Control Center (APQC). The consultant will be contacting some construction contractors and developers as part of the study. Your cooperation in providing the information that the APQC Consulting Group requests is appreciated.

SERVICE REMOVALS

When a water project includes the removal or the relocation of existing 2" diameter and smaller water services, the approved project plans will have construction notes which explain the process for accomplishing this work.

In general, the process of a service removal has three parts as follows:

1. The District's meter must be removed and the final reading recorded.
2. The service lateral must be uncovered at the point where it attaches to the water main. The corp stop must be turned to the off position and a 6" long section of the service lateral must be cut out at a point approximately 6" away from the corp stop.
3. The meter box must be obliterated and the area where it was located must be brought back to the condition generally surrounding that area. For example, if the meter box were in a concrete sidewalk, then the box would be removed, the hole would be backfilled with a suitable material (such as Type II Aggregate) and the sidewalk concrete replaced in the hole left by removal of the box.

The developer and the water facility contractor are responsible for proper completion of the service removal. The first step in the process, as may be found in the notes on the approved drawings, is to **call the Construction Division Dispatcher at 258-7171** and set up a work order for an Inspector to visit the site and discuss the service removal with you.

Once the field meeting between the Inspector, the contractor and/or the developer is complete, the Inspector will arrange for the removal of the meter and the taking of the final reading by the proper District personnel.

After the meter is removed, the Inspector will observe the removal of a section of the service lateral and the obliteration of the meter box by the contractor. Upon observing a proper service removal, the Inspector will prepare the necessary reports so that the removal is recorded in the District's records.

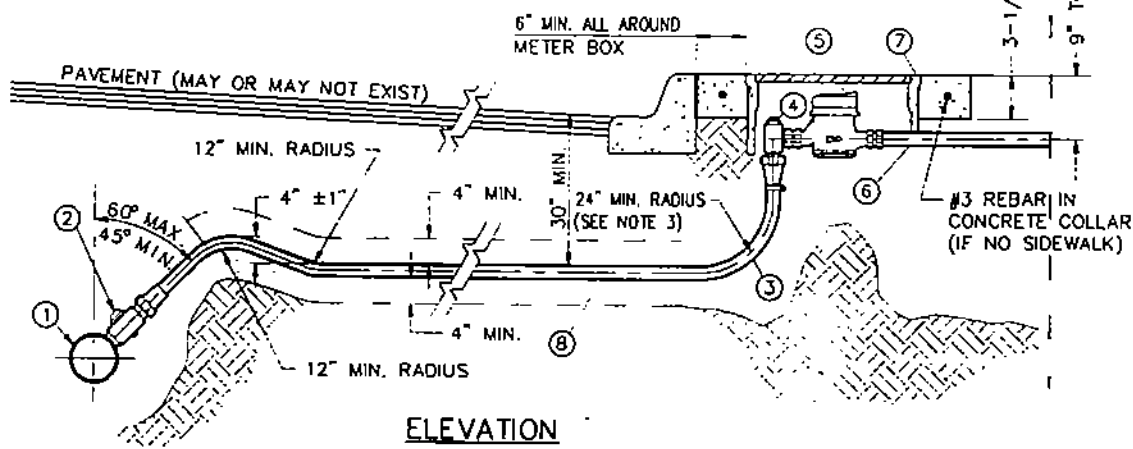
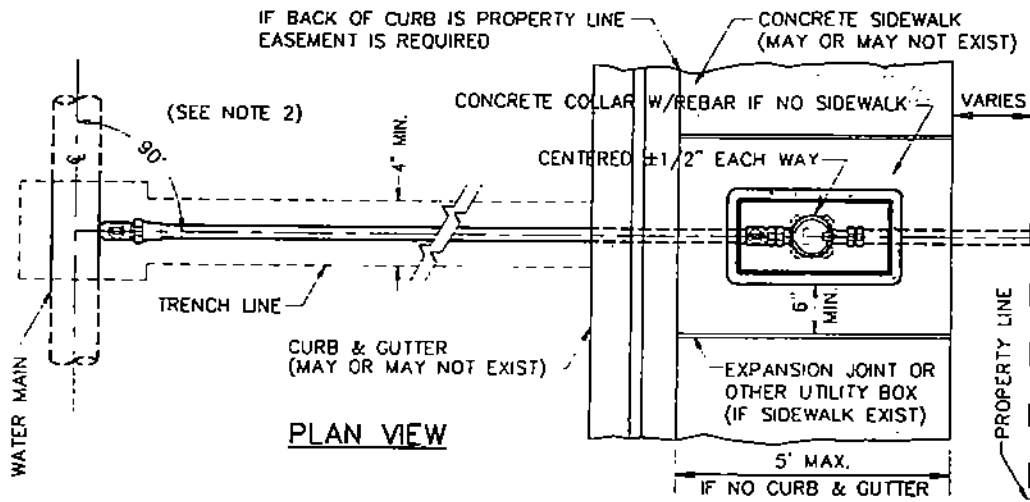
Again, the key to proper service removal rests with the contractor/developer who must make the telephone call requesting an Inspector field meeting in order to start the process.

1-INCH DIAMETER SERVICE LATERALS

The District's revised Service Rules require a minimum lateral size of 1-inch diameter for all 5/8", 3/4" and 1" meters.

1. For all new residential services less than 1/4 acre, a 1" x 3/4" angle meter stop and 3/4" meter box will be required for all services with 5/8" or 3/4" services. (See attached Detail 1B)
2. For commercial and all residential services greater than 1/4 acre, a 1" x 1" angle meter stop and 1" meter box will be required. Also, 3/4" x 1" bushings will be required for 5/8" and 3/4" meters at the angle meter stop and tail piece. (See attached Detail 1D)

Details of the above installation are also available from the Engineering Services Division and from the District's Inspectors.



NOTES:

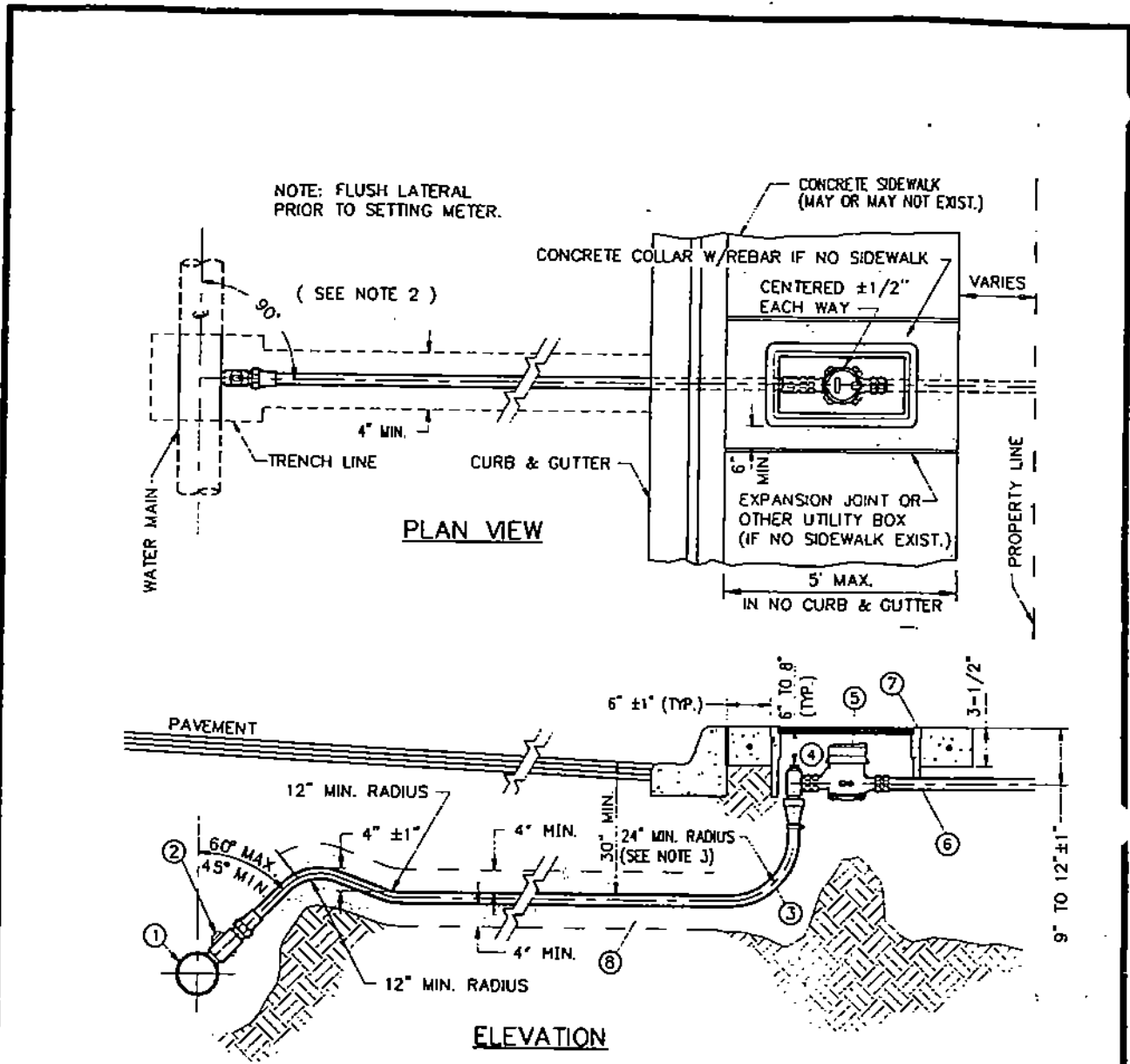
- 1 ONE COUPLING IS ALLOWED BETWEEN THE CORPORATION STOP AND THE ANGLE METER STOP, IF THE TOTAL LATERAL LENGTH IS GREATER THAN 40 FEET.
2. CUL-DE-SAC SERVICE LATERALS MUST FOLLOW THE MOST DIRECT ROUTE POSSIBLE BETWEEN SERVICE SADDLE AND ANGLE METER STOP, HORIZONTAL BENDING RADIUS ALLOWED FOR 1" TUBING IS 12" MIN. MAXIMUM DEFLECTION ANGLE ALLOWED IS 90°.
3. IF A 24" MIN. RADIUS CAN NOT BE MAINTAINED AN APPROPRIATE SIZE 90° COMPRESSION OR FLARED CONNECTION SHOULD BE USED.
4. USE OF 5/8 METERS NOT APPROVED BY ALL AGENCIES.
5. FLUSH LATERAL PRIOR TO SETTING METER.

LEGEND

- ① THREADED COLLAR OR SERVICE SADDLE
- ② CORPORATION STOP.
- ③ SERVICE LATERAL (1" DIAMETER).
- ④ UPSTREAM 1" x 3/4" BALL ANGLE METER STOP WITH LOCK WING AND WITHOUT LEVER HANDLE.
- ⑤ DISPLACEMENT TYPE WATER METER, AGENCY APPROVED AND SUPPLIED, CONTRACTOR INSTALLED.
- ⑥ TAIL PIECE (EXTENDS TO PROPERTY LINE).
- ⑦ METER BOX (3/4" TYPICAL).
- ⑧ SAND BACKFILL FULL WIDTH OF TRENCH.

TASK NO: ST-1
15:45 Plot @ 11/29/94 I:\ACAD\DRAWINGS\STPLT\UDSD1B.dwg

NOT TO SCALE	FILE NAME: UDSD1B DRAWN BY: B.V. CHECKED BY: C.M.M.	NEW SERVICE INSTALLATION WITH SINGLE ANGLE METER STOP RESIDENTIAL LESS THAN OR EQUAL TO 1/4 ACRE GROSS 5/8" AND 3/4" METER SIZES	DETAIL 1B SHEET 1 OF 1
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LEGEND

- ① THREADED COLLAR (1" LATERALS ONLY) OR SERVICE SADDLE.
- ② CORPORATION STOP.
- ③ SERVICE LATERAL SIZE TO MATCH METER (1" MINIMUM).
- ④ UPSTREAM BALL ANGLE METER STOP TO MATCH METER SIZE (1" x 1" MINIMUM) WITH LOCK WING AND WITHOUT LEVER HANDLE. FOR ALL 5/8" AND 3/4" METERS USE A 1" x 3/4" ADAPTER.
- ⑤ DISPLACEMENT TYPE WATER METER, AGENCY APPROVED AND SUPPLIED. CONTRACTOR INSTALLED.
- ⑥ TAIL PIECE (EXTENDS TO PROPERTY LINE).
- ⑦ METER BOX (1" TYPICAL, MINIMUM).
- ⑧ SAND BACKFILL FULL WIDTH OF TRENCH.

NOTES:

- 1. ONE COUPLING IS ALLOWED BETWEEN THE CORPORATION STOP AND THE ANGLE METER STOP, IF THE TOTAL LATERAL LENGTH IS GREATER THAN 40 FEET.
- 2. CUL-DE-SAC SERVICE LATERALS MUST FOLLOW THE MOST DIRECT ROUTE POSSIBLE BETWEEN SERVICE SADDLE AND ANGLE METER STOP, HORIZONTAL BENDING RADIUS ALLOWED FOR 1" TUBING IS 12" MIN. AND 24" MIN. FOR 1 1/2" AND 2" TUBING. MAXIMUM DEFLECTION ANGLE ALLOWED IS 90°.
- 3. IF A 24" MIN. RADIUS CAN NOT BE MAINTAINED AN APPROPRIATE SIZE 90° COMPRESSION OR FLARED CONNECTION SHOULD BE USED.
- 4. USE OF 5/8" METERS NOT APPROVED BY ALL AGENCIES.
- 5. FLUSH LATERAL PRIOR TO SETTING METER.

TASK NO.: 31-1
15:51 Plot @ 11/29/94 I:\ACAD\DRAWINGS\STPLT\UDS01D.dwg

NOT TO SCALE	FILE NAME: UDS01D	NEW SERVICE INSTALLATION WITH SINGLE ANGLE METER STOPS COMMERCIAL OR RESIDENTIAL GREATER TO 1/4 ACRE GROSS 5/8", 3/4", 1", 1-1/2" AND 2" METER SIZES	DETAIL 1D
	DRAWN BY: B.V.		
	CHECKED BY: C.M.M.		