

WATER MAIN JOINT DEFLECTION (PVC, 4" - 24")

PVC PIPE SHALL BE DEFLECTED AT THE JOINT ONLY. THE MAXIMUM ALLOWABLE DEFLECTION SHALL BE ONE (1) DEGREE PER JOINT WITH A MINIMUM RADIUS OF CURVATURE OF 1,150 FEET, PER UDACS 2.06.01 AND 2.06.02.

FOR CHANGES IN DIRECTION EXCEEDING THE MAXIMUM ALLOWABLE JOINT DEFLECTION, FITTINGS SHALL BE USED.

CONTRACTOR NOTE

CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING IMPROVEMENTS UTILITIES AND NOTIFY THE DESIGN ENGINEER IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

NOTE

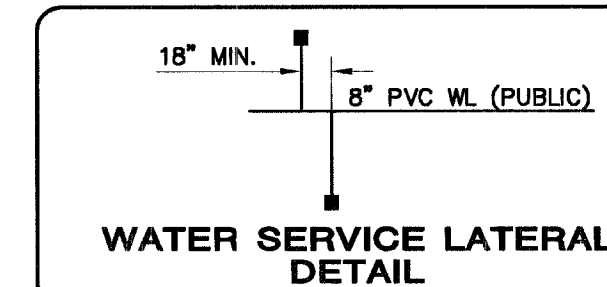
INSTALL PIPELINE MARKER BALLS IN TRENCH ABOVE EACH HORIZONTAL ELBOW FITTING, PER UDACS PLATE No. 27.

NOTE

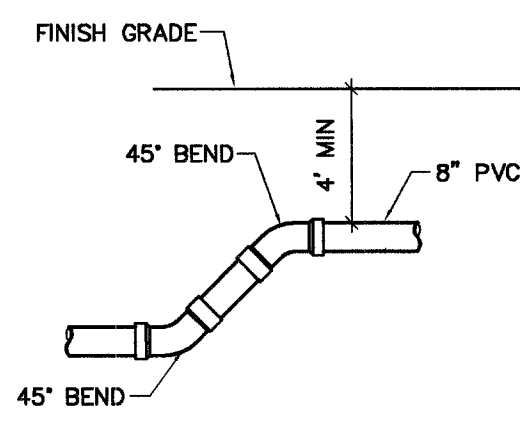
1. ALL PRIVATE STREETS AND PRIVATE DRIVES ARE P.U.E., PUBLIC SEWER EASEMENTS, AND PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY HOMEOWNERS ASSOCIATION.

BASIS OF BEARINGS

THE BASIS OF BEARINGS FOR THIS PROJECT IS NORTH 00°08'16" EAST BEING THE EAST LINE OF THE NORTHWEST QUARTER (NE 1/4) OF THE SECTION 24, TOWNSHIP 19 SOUTH, RANGE 59 EAST, M.D.M., CLARK COUNTY, NEVADA, AS SHOWN ON A RECORD OF SURVEY ON FILE IN THE CLARK COUNTY, NEVADA, RECORDER'S OFFICE IN FILE 123 AT PAGE 32.



LAS VEGAS VALLEY WATER DISTRICT (LVVWD) STANDARD NOTES



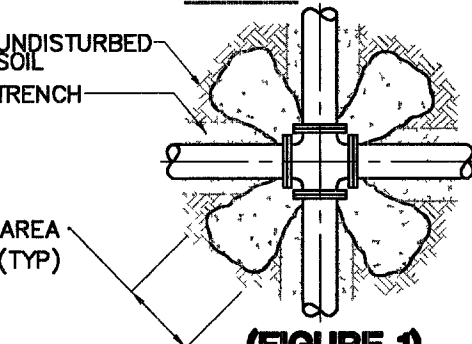
45 DEGREE BEND DETAIL

BEARING AREA IN SQ FT		CONC/CU YDS	
PIPE ID	FIGURE	FIGURE 3, Δ	FIGURE 4, Δ
1	2	90°	45°
2	2	2	1
3	2	3	4
4	2	5	7
5	2	11	16
6	2	4	2
7	2	1	1
8	2	1	1
9	2	1	1
10	2	1	1
11	2	1	1
12	2	1	1

THURST BLOCK INSTALLATION

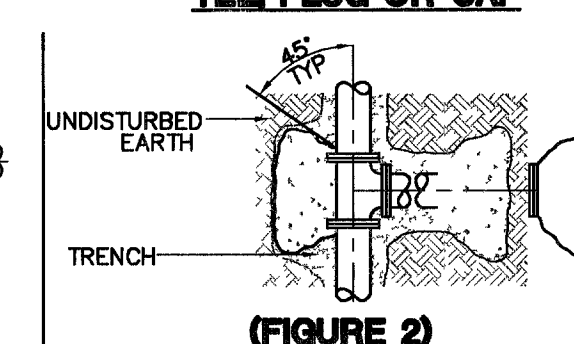
N.T.S. USD PLATE NO. 5 PL11-1

CROSS



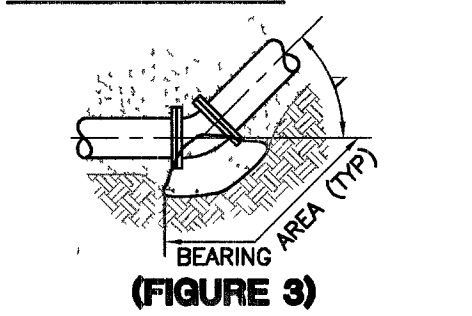
(FIGURE 1)

TEE PLUG OR GAP



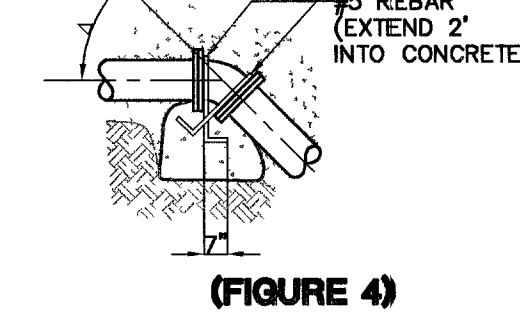
(FIGURE 2)

HORIZONTAL OR UPWARD VERTICAL BEND



(FIGURE 3)

DOWNWARD VERTICAL BEND



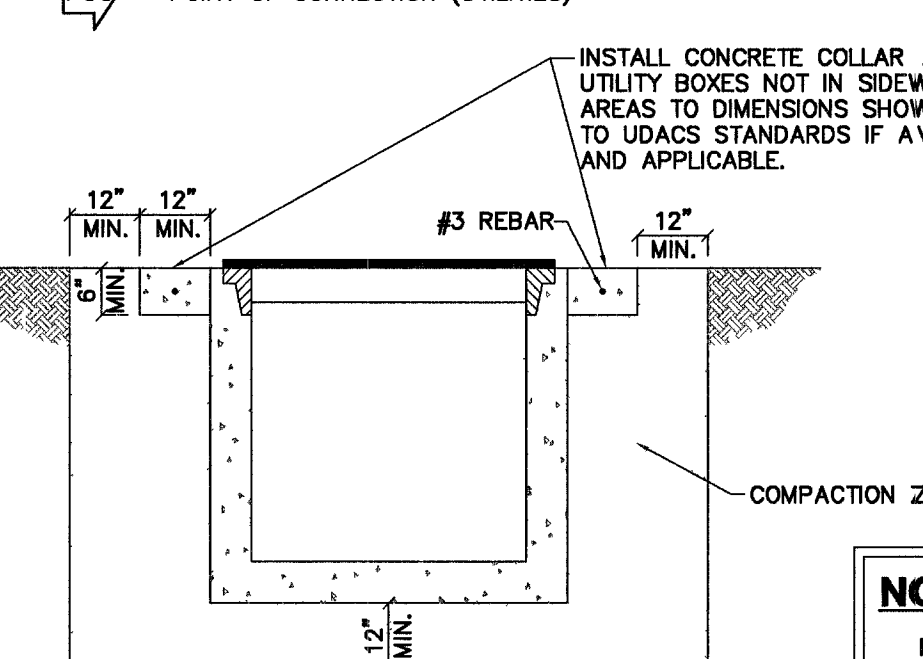
(FIGURE 4)

N.T.S.

ESTIMATE OF QUANTITIES/LEGEND

WATER	PUBLIC
1. 8" x 8" TEE PER UDACS PLT. 5.....	1 EA.
2. 8" x 8" GATE VALVE PER UDACS PLT. 3 & 8.....	5 EA.
3. 8" x 8" TEE PER UDACS PLT. 5.....	1 EA.
4. 8" x 8" TEE PER UDACS PLT. 5.....	1 EA.
5. 8" x 8" TEE PER UDACS PLT. 5.....	1 EA.
6. 8" x 8" TEE PER UDACS PLT. 5.....	1 EA.
7. 8" x 8" TEE PER UDACS PLT. 5.....	1 EA.
8. 8" x 8" TEE PER UDACS PLT. 5.....	1 EA.
9. 8" x 8" TEE PER UDACS PLT. 5.....	1 EA.
10. 8" x 8" TEE PER UDACS PLT. 5.....	1 EA.
11. 8" x 8" TEE PER UDACS PLT. 5.....	1 EA.
12. 8" x 8" TEE PER UDACS PLT. 5.....	1 EA.
13. 8" x 8" TEE PER UDACS PLT. 5.....	1 EA.
14. 8" x 8" TEE PER UDACS PLT. 5.....	1 EA.
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21. 8" x 8" TEE PER UDACS PLT. 5.....	1 EA.
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25. 8" x 8" TEE PER UDACS PLT. 5.....	1 EA.
26. 8" x 8" TEE PER UDACS PLT. 5.....	1 EA.
27. 8" x 8" TEE PER UDACS PLT. 5.....	1 EA.
28. 8" x 8" TEE PER UDACS PLT. 5.....	1 EA.
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30. 8" x 8" TEE PER UDACS PLT. 5.....	1 EA.
31. 8" x 8" TEE PER UDACS PLT. 5.....	1 EA.
32. 8" x 8" TEE PER UDACS PLT. 5.....	1 EA.
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42. 8" x 8" TEE PER UDACS PLT. 5.....	1 EA.
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89. 8" x 8" TEE PER UDACS PLT. 5.....	1 EA.
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96. 8" x 8" TEE PER UDACS PLT. 5.....	1 EA.
97. 8" x 8" TEE PER UDACS PLT. 5.....	1 EA.
98. 8" x 8" TEE PER UDACS PLT. 5.....	1 EA.
99. 8" x 8" TEE PER UDACS PLT. 5.....	1 EA.
100. 8" x 8" TEE PER UDACS PLT. 5.....	1 EA.

DRIVEWAY LOCATION (SCHEMATIC ONLY)
POC POINT OF CONNECTION (UTILITIES)



UTILITY BOX/VAULT INSTALLATION NOT IN SIDEWALK

N.T.S.

CONSTRUCTION NOTES:

- CONCRETE COLLARS TO BE CLASS "A" CONCRETE PER SECTION 501.03.04 OF "UNIFORM STANDARD SPECIFICATION, CLARK COUNTY AREA, NEVADA.
- INSTALL ONE #3 REBAR ALL AROUND IF REQUIRED BY THE APPLICABLE UTILITY OR AGENCY.
- CONCRETE COLLARS SHALL BE INSTALLED TO MIN. DIMENSIONS SHOWN HEREON UNLESS OTHERWISE DELINEATED BY STANDARDS DICTATED BY THE APPLICABLE UTILITY OR AGENCY.
- BASE AND BACKFILL WITHIN THE "COMPACTION ZONE" DELINEATED HEREON SHALL BE TYPE II OR SUITABLE ON-SITE MATERIALS COMPACTED TO 95% MAXIMUM RELATIVE DENSITY.

ALL LOTS:
THIS PROPERTY MAY HAVE STATIC WATER PRESSURE IN EXCESS OF 80 PSI. THE UNIFORM PLUMBING CODE REQUIRES THAT INDIVIDUAL, ON-SITE (PRIVATE), PRESSURE REDUCING VALVES BE INSTALLED WHENEVER THE PRESSURE EXCEEDS 80 PSI. PRV'S ARE THE DEVELOPER'S RESPONSIBILITY, AND WILL NOT BE INSPECTED OR INCLUDED IN THE ACCEPTANCE OF LVVWD FACILITIES.

THIS PROJECT PROVIDES FOR THE INSTALLATION OF MAIN AND SERVICES, AND DOES NOT PROVIDE OR IMPLY ANY WATER COMMITMENT.

FINAL ASPHALT LIFT NOT TO BE INSTALLED UNTIL FUTURE TAPS AND METERS ARE INSTALLED

NOTE

CONDITIONAL APPROVAL OF VALVED OUTLET (8" AND LARGER)

THE WATER PLANS SHOW ONE OR MORE VALVED OUTLETS EXTENDING OUT OF PAVED AREAS. INSTALLATION OF THESE OUTLETS IS ACCEPTABLE, HOWEVER, IF THE OUTLETS ARE INCORRECTLY LOCATED OR NOT USED FOR ANY REASON WHEN THE PROPERTY IS ACTUALLY DEVELOPED, THE DEVELOPER SHALL ABANDON THE OUTLETS AT THE CONNECTION TO THE ACTIVE MAIN IN ACCORDANCE WITH THE DISTRICT'S STANDARDS, AND AT THE DEVELOPER'S EXPENSE. APPROVAL OF THE VALVED OUTLET DOES NOT PROVIDE OR IMPLY A WATER COMMITMENT.

APPROVAL:

LAS VEGAS VALLEY WATER DISTRICT (PROJECT # 112574)

CITY OF LAS VEGAS FIRE MARSHAL

DATE

4/26/06

4/26/06

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