

ITEM MATERIALS

- ① DIP OR C-900 WHERE REQUIRED.
- ② (1) DI OFFSET OR (2) 45° BENDS, MJ X MJ.
FOR PVC WATER MAIN CONSTRUCTION, (2) 22.5° BENDS SHALL BE USED, MJ X MJ.
- ③ THRUST BLOCK FITTINGS PER STD. OWD-109 (VERTICAL DEAD LOAD).
- ④ PROVIDE PIPE JOINT RESTRAINTS 2 JOINTS BACK (TYP.).
- ⑤ BACKFILL WITH 1-1/2 SACK SLURRY OVER SAND BED IF DEPTH OF COVER IS LESS THAN 30".

NOTES:

- 1. CONTRACTOR TO POTHOLE AND VERIFY ALL UTILITY CONFLICTS IN THE FIELD.
- 2. AIR-VAC ASSEMBLY SHALL BE INSTALLED PER STD. OWD-302 AS DETERMINED AND APPROVED BY ORANGE WATER DIVISION AND AS SPECIFICALLY CALLED FOR ON THE PROJECT PLANS.
- 3. NO UNRESTRAINED PIPE JOINTS BETWEEN OFFSET FITTINGS.
- 4. SEE SPEC. SECTION 209-1.1.2.5 OR 209-4.2.3 FOR ACCEPTABLE PIPE JOINT RESTRAINTS WHERE REQUIRED.
- 5. ALL MECHANICAL JOINTS SHALL BE THRUST BLOCKED AND RESTRAINED WITH MECHANICAL JOINT RESTRAINTS.

David D. Dief 1/31/2023
CITY WATER MANAGER

James B. [Signature] 1/31/2023
CITY ENGINEER

[Signature] 1/31/2023
PUBLIC WORKS DIRECTOR

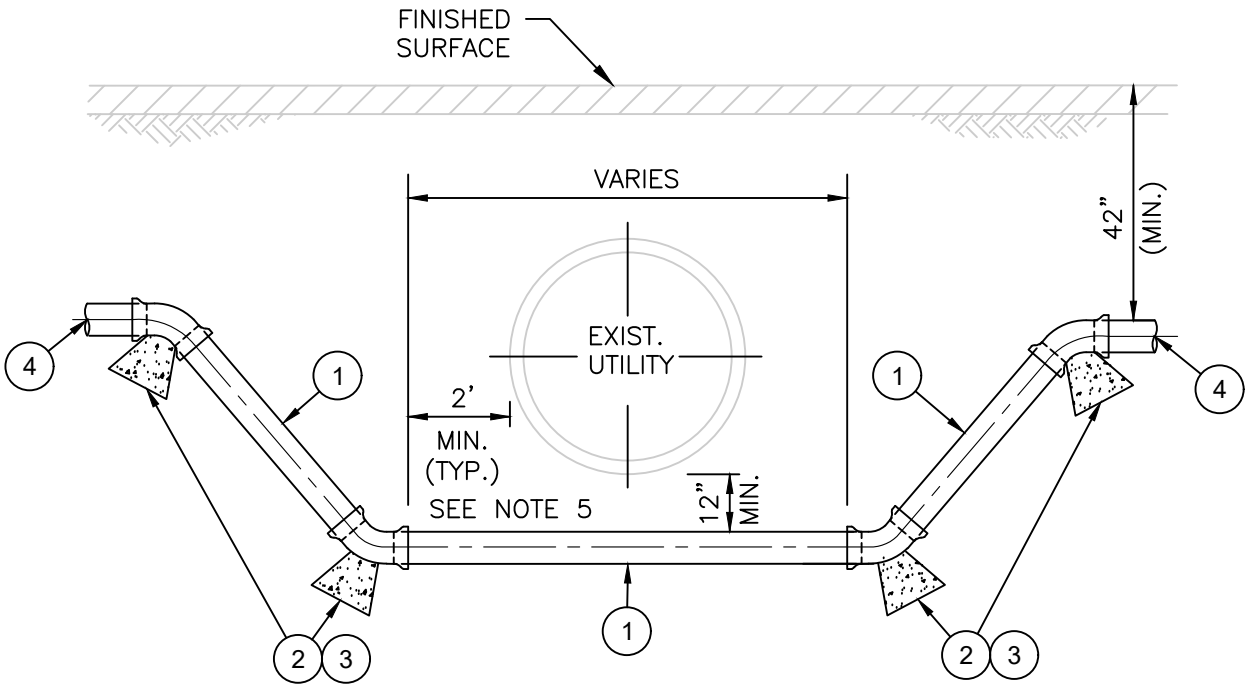
CITY OF ORANGE WATER DIVISION STANDARDS

**OFFSET JOINT DETAIL
(TYPICAL INVERTED SIPHON)**

OWD STD. DWG.

OWD-111

SHEET 1 OF 2



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4. SEE SPEC. SECTION 209-1.1.2.5 OR 209-4.2.3 FOR ACCEPTABLE PIPE JOINT RESTRAINTS WHERE REQUIRED.
5. FOR STORM DRAINS, NO JOINTS IN THE WATER MAIN FOR A MINIMUM OF 8 FEET FROM THE O.D.

David D. Dief 1/31/2023
CITY WATER MANAGER

James B. 1/31/2023
CITY ENGINEER

John A. 1/31/2023
PUBLIC WORKS DIRECTOR

CITY OF ORANGE WATER DIVISION STANDARDS

**OFFSET JOINT DETAIL
(TYPICAL SIPHON)**

OWD STD. DWG.

OWD-111

SHEET 2 OF 2