

# UNDERGROUND FACILITIES STAKING REQUIREMENTS

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## 2. Purpose

This Standard provides the requirements for the staking of utility installations in single-family, multiple resident, and commercial areas.


## 3. General

Utility staking is contingent upon the completion of the following by the developer:

- 3.1 Clearing and cutting streets, sidewalks, and utility easements (if in public R/W), to sub grade.
- 3.2 Establishment of lot corners or an offset for protection and finished street, curb, and sidewalk grades where required.

## 4. Staking Procedure

- 4.1 The developer is to provide and maintain all the staking required in 4.2.
- 4.2 Sub grade Stakes: These indicate the offset and grade cut or fill at the following locations as appropriate:
  - 4.2.1 Property lines and all P.U.E. boundaries.
  - 4.2.2 Property corners (none on apartments and townhouses).

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- 4.2.3 Lot pad corners (none on apartments and townhouses).
- 4.2.4 Building corners (none on lot sale developments).
- 4.2.4 Other locations as required.

Sub grade stakes are generally correct to within 0.2' which is sufficient precision to stake sub grade. However, care must be exercised when staking a utility location in that a greater degree of precision may be necessary.

- 4.3 It is the **Developer's responsibility** to see that finish grade is staked, in all areas back of sidewalk, where there will be utility installations.
- 4.4 Curb and Gutter Stakes: These stakes indicate the offset and grades cut or fill, normally to top of curb. They are set with greater precision and are generally correct to within 0.02'.


### 5. NVE / Developer Coordination

When approaching the task of providing utilities for a proposed development, the following is normally required:

- 5.1 NVE Designer reviews information with the developer.
- 5.2 Developer reviews plans with NVE Designer at pre-construction meeting.
- 5.3 The Developer provides the staking and grading necessary for utility installation.
- 5.4 Before staking, the Developer shall confirm the location of property corners to ensure that they conform to the proper established street R/W widths.

### 6. Electric Staking Details

- 6.1 Normally, the electric staking shall include C/L trench, boxes and vaults, lot corners, and all intermediate points as required.
- 6.2 Offset Distance: A distance shall be selected which will ensure the protection of stakes during trenching. This distance is generally 10' to 15' to centerline of trench but may depend on site conditions. The stakes may be placed adjacent to the

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Developer’s sub grade stakes if the offset distance is adequate, or may, in fact, be the same if so marked.

6.3 Stake Interval: Stakes will be placed normally at or near property corners, but the interval may have to be decreased to 25' or less on curves in order to ensure that the trench will be properly aligned with the curve.

6.3.1 Distance to centerline of underground trench “C/L U/G Elec 15'.”

6.3.2 Distance to centerline of underground box “CTR N-9 box 14 1/2'.”

6.3.3 To corner of underground box (where required) “NE Cor 504 14 1/2'.”


6.4 General:

6.4.1 Although the center location on small electric boxes and property line structures are normally adequate, in most cases, it will be necessary to stake two corners on the larger boxes. When a box is to be placed against the back face of a sidewalk or any other critical location, care must be exercised to ensure adequate precision in staking.

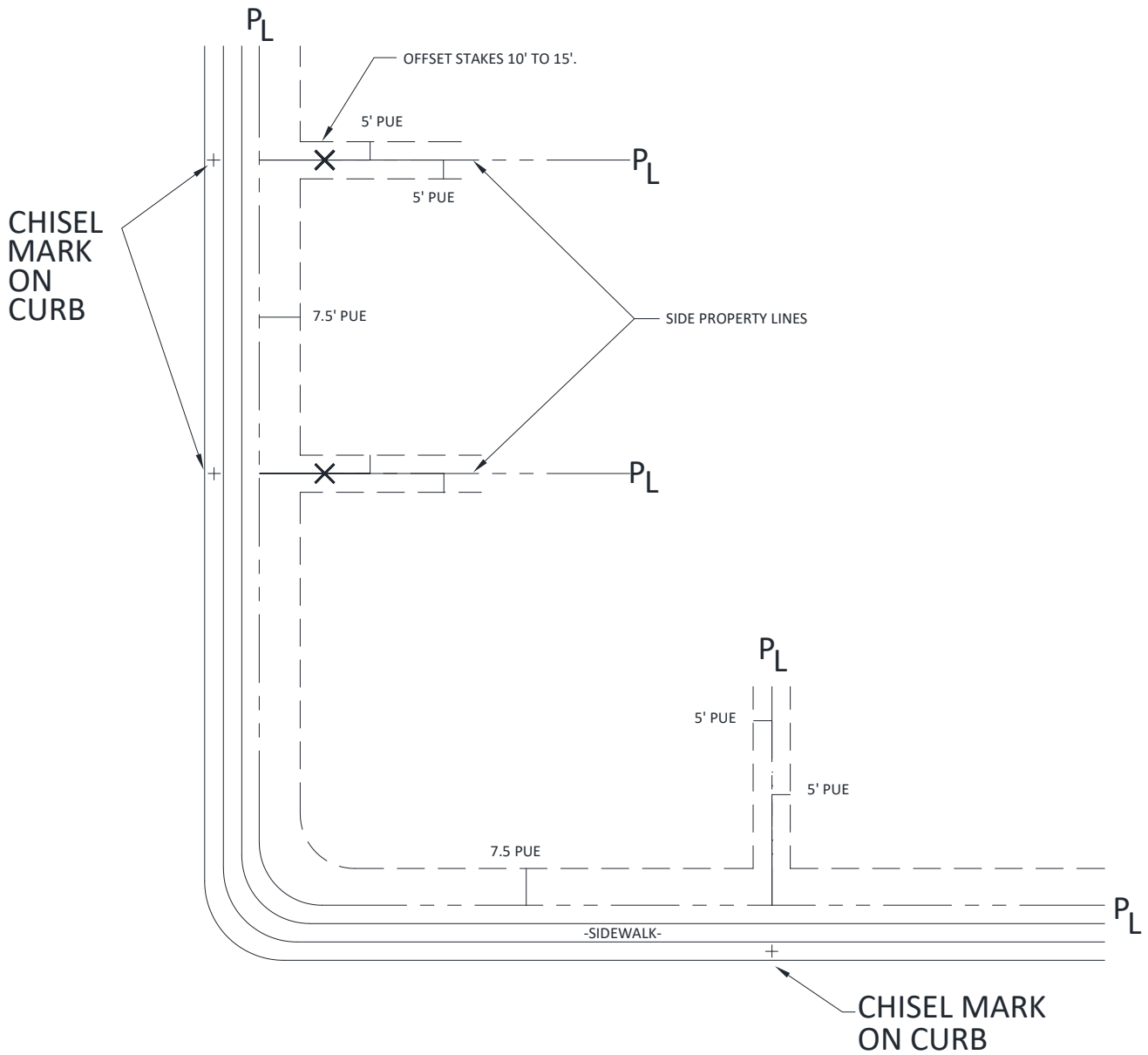
6.4.2 On some development’s, such as apartments and condominiums, careful coordination with the Developer’s agent is essential as to the location of structures, such as sidewalks, sewers, etc., and finish grades which are subject to change.

## 7. Developer Responsibilities


7.1 Maintenance and Adjustments: The Developer is responsible for maintenance of all stakes and adjustments of all boxes and pads to proper grade.

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8. Subdivision Public Utility Easement Staking Detail



1. APPLICANT TO FURNISH PROPERTY LINE CHISEL MARK ON CURB.
2. TYPICAL FRONT PUE TO BE 7.5', SIDELOT PUE TO BE 5' AND OTHERS AS REQUESTED.
3. OFFSET STAKES 10' TO 15' BY APPLICANT.

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