

MOLE DRAIN

Design Survey

The following information shall be obtained and recorded in the field notes:

- a. Subsurface soils investigation.
- b. Profile and alignment of the drain. (if required)
- c. Topographic details. (If required)

Design Data

The following will be considered minimum in the design of a subsurface drain. The information shall be recorded in the design notes or in the field notes.

- a. Grade determination.
- b. Mole Drain size, type.
- c. Outlet location sizes and type.
- d. Evidence of consideration for NEPA regulations.

Drawings and Specifications

The construction drawings or standard plan shall include but will not be limited to the following:

- a. Plan view of the drain.
- b. Profile of tile drain.
- c. Location sizes and type of appurtenances.
- d. Location sketch.

Layout Survey Notes

The following information shall be recorded in the field notes:

- a. Centerline alignment stake.
- b. Grade stakes with offset.
- c. Location of reference stakes.

Compliance Checks

The complexity of the installation will dictate the need for compliance checks during construction. Compliance checks shall include the following and be recorded in the field notes:

- a. Type of drain.

- b. Profile along the drain or statement that grade is proper.
- c. Type, size, and location of appurtenances.
- d. Length(s) of drain.
- e. Statement of compliance.
- f. Certification statement from contractor. (If required)

As-Built Plans

As-Built Plans shall be prepared for all Mole drainage work. These drawings shall reflect all significant changes in linear measurement changes. If there were no significant changes, the original drawing(s) shall be marked "As-Built".