

SECTION 5

STANDARD PLAN NOTES

5.1 GENERAL

The standard notes shown below shall be included on all water and sewer plans submitted for approval to Lincoln County Public Works (LCPW).

- A. All work shall conform to latest revision of the LCPW Operational Manual which is on file at the Division of Lincoln County Public Works office (115 W Main Street, Lincolnton, North Carolina 28092).
- B. Any quantities shown on plans are not verified by LCPW.
- C. At the site keep and maintain one record copy of all Contract Documents, reference documents and all technical documents submitted in good order. As the work progresses the Engineer or his designated representative shall record on one set of reproducible drawings all changes and deviations from the original Plans. He shall record the exact location of all changes in vertical and horizontal alignment by offsets and ties at each; sewer, water, electric, gas, communication and other services by off-set distance to permanent improvements such as building and curbs.

These Record Drawings must be certified by the North Carolina Registered Professional Engineer who prepared the plans and signs and seals these plans. The Record Drawings shall include vertical and horizontal alignment of all water, sewer, and effluent reuse lines, valves, tees, bends, reducers, hydrants, pump stations, service connections, meter boxes and/or pads, and other pertinent structures. Pipeline runs in excess of 500 feet, without fittings shall include vertical alignment information at 500 foot intervals. Said alignment shall be tied to permanent improvements, such as roadway and/or railroad centerlines and rights-of-way, building and property corners, and shall be certified by a Professional Land Surveyor, licensed in the State of North Carolina. The Professional Land Surveyor can coordinate with the Contractor to install the necessary appurtenances on buried utilities to facilitate the survey after construction is completed. In addition, Parcel ID numbers and street names shall be shown on the plan.

On a case by case basis, Lincoln County Public Works may waive the requirement for certification by a Professional Land Surveyor, licensed in the State of North Carolina. However, prior consent must first be obtained from Lincoln County Public Works. The County shall withhold final acceptance of the project until the requirement for record drawings and related records has been met. Record Drawings without detailed field verified horizontal and vertical locations of all facilities shown will be rejected.

- D. A pre-construction meeting is required before work may begin. Lincoln County Public Works shall be notified 48 hours prior to project mobilization.

- E. All work and materials, which do not conform to LCPW specifications, are subject to removal and replacement at the Contractor's expense.
- F. Any work performed without the knowledge of LCPW is subject to re-excavation, removal and replacement of same to be done at the Contractor's expense.
- G. The Contractor shall provide sufficient personnel and equipment on the job at all times during construction to satisfy the specifications and to complete work.
- H. LCPW inspection staff may observe project construction.
- I. The Contractor is to uncover all existing lines being tied into and verify grades before beginning construction.
- J. It is the Contractor's responsibility to locate and take all possible precautions to avoid any damage to all underground pipelines, telephone, cable TV, electric lines/conduits and structures in advance of any construction. LCPW will not guarantee any locations as shown on these plans or those omitted from these plans. The Contractor shall be fully responsible for any and all damages which may occur by his failure to exactly locate and protect existing utilities and structures.
- K. Contractor shall verify all quantities shown on the plans. If any discrepancies in quantities are found, the Contractor shall notify the Project Engineer and LCPW.
- L. All Regulatory and Permitting Agencies' requirements shall be complied with.
- M. Appropriate turbidity control devices (e.g. silt fences, hay bails) will be utilized during all phases of installation and grading. Contractor is responsible for contacting Lincoln County Soil and Conservation Department to determine the requirements for permitting, developing and maintaining an effective Storm Water Pollution Prevention Plan.
- N. Locations, elevations, and dimensions of existing utilities, structures and other features are shown according to the best information available at the time of preparation of these plans, but do not purport to be absolutely correct. Prior to construction, the Contractor shall verify and be fully responsible for any and all damages which might be occasioned by his failure to exactly locate and preserve any and all existing utilities, structures, and other features affecting his work. Anything not shown on these drawings should be brought to the attention of the Engineer and shall not constitute an extra, unless approved by the Engineer.
- O. The Contractor shall contact the Engineer and LCPW immediately concerning any conflicts with LCPW utilities/structures arising during construction of any facilities shown on these drawings.
- P. Traffic must be maintained at all times as per North Carolina County Department of Transportation (NCDOT).
- Q. The Contractor shall notify utilities utilizing the 811 service prior to starting construction.
- R. The Contractor shall replace all pavement, curbs, driveways, sidewalks, fences, etc., with the same type of material that was removed during construction or as directed by the Engineer. The Contractor shall restore all areas affected by the construction to its original condition, or better.
- S. Within the NCDOT Right-of-Way, all disturbed areas shall receive grassing (seeding) or sodding materials in accordance with NCDOT specifications.
- T. The information provided in these plans is solely to assist the Contractor in assessing the nature and extent of conditions which may be encountered during the course of work. All Contractors are directed, prior to bidding, to conduct whatever investigations they may

deem necessary to arrive at their own conclusion regarding the actual conditions that will be encountered, and upon which their bids will be based.

- U. All frames, covers valve boxes, meter boxes and manholes shall be adjusted to finished grade upon completion of paving or related construction.