

City of Concord

Technical Standards Manual

Article II

Streets and Pedestrian Paths

Appendix B

PE Certification for Subdivisions and Streets



PE Certification for Subdivisions and Streets

Subdivision: _____ Phase / Map: _____

| | |
|------------------|---------------|
| Street(s): _____ | Length: _____ |
| _____ | Length: _____ |
| _____ | Length: _____ |
| _____ | Length: _____ |
| _____ | Length: _____ |
| _____ | Length: _____ |
| _____ | Length: _____ |
| _____ | Length: _____ |

A final inspection of the streets, and complete storm drainage system for the above referenced subdivision has been performed by _____. I have reviewed the inspection data and have determined that all public infrastructure has been constructed in accordance with the design drawings approved by Cabarrus County and the City of Concord on _____ and all subsequent revisions. My observations and testing indicate the subgrade, base, and pavement have been constructed in accordance with the guidelines established by the City of Concord, as verified by the attached test results.

| | | |
|------------------|-------------------|-------------|
| _____ | _____ | _____ |
| Signature | Print Name | Date |

NC PE #

Seal

Received by City of Concord: _____
(initials)

Date: _____

PE Certification for Subdivisions and Streets – Checklist

TYPICAL SECTION

- _____ - Roadway has been constructed in the center of the right of way.
- _____ - Normal crown and/or superelevation have been properly established.
- _____ - Curb & gutter and/or ditches have been constructed properly with no standing water.
- _____ - Backfill of all curb & gutter / sidewalk properly placed and compacted.
- _____ - All slopes have been properly graded.
- _____ - Street Trees have been installed in accordance with approved plan.

ROADWAY CONSTRUCTION

- _____ - Subgrade density tested at minimum of every 200 LF, minimum of 3 tests per street, and 2 tests in each cul-de-sac. First 8” of subgrade compacted to at least 100% of that obtained by compacting a sample of the material in accordance with AASHTO T 99 as modified by NCDOT indicated for each test as shown in attached soil compaction reports.
- _____ - Subgrade has been proof rolled over the entire section. (pass/fail data & remarks included)
- _____ - Stone depth verified at 1 location per station (data included). Minimum design depth must be achieved over the entire roadway section.
- _____ - Stone density tested at minimum of every 200 LF, minimum of 3 tests per street, and 2 tests in each cul-de-sac. Stone base compacted to at least 100% of maximum density obtainable with the Modified Proctor Test (AASHTO-T180) indicated for each test as shown in attached stone compaction reports.
- _____ - Stone base has been proof rolled over the entire section. (Pass/fail data & remarks included)
- _____ - Prime Coat applied when/where needed.
- _____ - Asphalt course(s) was inspected for failures and appropriate repairs made prior to placement of each successive course.
- _____ - Tack Coats were applied between each layer of asphalt.

PAVEMENT PLACEMENT

- _____ - Asphalt placement temperatures & mix designs verified.
- _____ - Each asphalt course was tested for density at a minimum of 90% of the maximum specific gravity per attached results reports.
- _____ - Pavement Core Results Report (attached) indicates the core results meet the current minimum design standards per the City of Concord Technical Standards. Core samples shall be taken at 500’ intervals (minimum of 1 core per street block), and no more than 4.0’ feet from the centerline of the street.

DRAINAGE

- _____ - All materials are approved for use. (NCDOT stamp, etc.)
- _____ - All grates/frames/hoods are free of damage and of domestic origin.
- _____ - Masonry drainage structures have been properly constructed – steps installed, inverts poured, pipes cut and grouted, backfill compacted, and free of debris.
- _____ - All pipe inlets, outlets, and channels are properly stabilized and free of erosion.
- _____ - Pipes have been installed with proper cover and slope.
- _____ - Pipe sizes are correct. (per plans)

TRAFFIC CONTROL

- _____ - All traffic control signs are installed in locations per approved plans and are free of damage.
- _____ - All signs comply with MUTCD requirements.
- _____ - Encroachment agreement has been approved for all signs with decorative treatments.

Signature

NC PE #

Print Name

Seal