



City of Raleigh Engineering Inspections

Infrastructure Inspections Workflow



All required plan approvals have been obtained

- Infrastructure Construction Plans
- Site Review Plans
- Building Plans

All required permits have been obtained

- Land Disturbance Permit
- City of Raleigh Lane/Street Closure Permit (if applicable)
- City of Raleigh Sidewalk Closure Permit (if applicable)
- NCDOT Encroachment and Driveway Permits (if applicable)

Pre-Construction Meeting Held

- [Pre-Construction Checklist](#)

Streets **

1. Subgrade Proof Roll
2. Stone Proof Roll (Curb & Gutter, Street)
3. Curb & Gutter Stringline and/or Form Inspection
4. Paving (To be completed same day as Stone Proof Roll)
5. Subgrade/Form Inspection for Sidewalks/Accessible Ramps (To be poured same day as Inspection)

Water/Reuse**

1. Main Installation
2. Piggng Main
3. Pressure Test (using Potable Water)
4. Main(s) Chlorinated
5. Purity Sample taken by Inspector
6. Services Installed (only after Purity Sample passes and Inspector gives OK)

Sewer**

1. Main and Manhole installation
2. Services installed
3. Mandrel pulled (PVC Mains only)
4. Mains Air tested
5. Manholes Vacuum tested

Pre-Construction Meeting Held

- Inspector and Contractor/Developer
- [Walk-Thru Checklist](#)

Pre-Warranty Walk-Thru

- Paper As-Builts required prior for verification *

Infrastructure Warranty Period

- [Infrastructure Acceptance Package required](#)
- Infrastructure Developer/Owner Maintenance Responsibility

Warranty Walk-Thru

Infrastructure Acceptance

- Infrastructure City of Raleigh Maintenance Responsibility

* As-Builts are required prior to issuance of the first Certificate of Occupancy (CO) in addition to the Pre-Warranty Walk-Thru

** Streets shall be constructed in accordance with the [Raleigh Street Design Manual](#); Water, Sewer and Reuse shall be constructed in accordance with the [Public Utilities Handbook](#).