



Town of Christiansburg

Inspection Checklist for Infrastructure Improvements

This checklist identifies infrastructure improvement inspections required during the development of this project. This checklist is general guide for the development of streets, domestic water, sanitary sewer, and stormwater control improvements constructed as part of this project. Other inspections may be required.

Site Work Preparation:

1. Land Disturbance: (must be inspected, repaired, and maintained during life of disturbance activities.)
 - Sediment controls are in place according to approved engineered plans and specifications.
 - Erosion controls are in place according to approved engineered plans and specifications.
 - Stormwater pollution controls are in place according to the approved plans set.
 - Gravel construction entrances are established according to design specifications.
 - Inspection and maintenance log has been established.
 - Town approved/signed engineered plans and specifications are readily available on site.
 - Storm Water Pollution Prevention Plan (SWPPP) is on-site and available for review.
2. Sanitary Sewer Improvements: (must be inspected **prior** to final backfilling operations)
 - Trenches are excavated to the proper depth/gradient according to the Town design manual.
 - Trenches have the correct type and depth of bedding material in place.
 - Main sewer lines are approved material, correctly sized, placed and connected.
 - Sewer line tap locations are properly located for future service connections.
 - Manholes are properly placed and connected correctly to sanitary sewer lines.
 - Town approved/signed engineered plans and specifications are readily available on site.
3. Waterline Improvements: (must be inspected **prior** to final backfilling operations)
 - Trenches are excavated to the proper depth according to the Town design manual.
 - Trenches have the correct type and depth of bedding material in place.
 - Water distribution lines are approved material, correctly sized, placed and connected.
 - Waterline tap locations are properly located for future service connections.
 - All valves, meters, and fire hydrants are placed according to approved plans.
 - Town approved/signed engineered plans and specifications are readily available on site.

4. Street Right-of-way Improvements: (must be inspected prior to final surfacing operations)

- Centerline alignments are established within platted right-of-way limits.
- Street sub-grades are shaped to engineered alignments, grades, and compaction.
- Street widths are inspected and verified against approved plans and specifications.
- Stormwater inlets are properly constructed according to approved plans and specifications.
- Street base courses are placed to correct depths and compacted to correct density.
- Field density tests meeting the approved plan requirements are filed with the Engineering Inspector.
- Curb and gutter alignments are in place and verified against approved plans and specifications.
- Secondary stormwater conveyances are constructed to approved plans and are operational.
- Town approved/signed engineered plans and specifications are readily available on site.

Notice to Developer: Do not cover or conceal any items listed above without approval from the Town Engineering Inspector.

Finishing Operations:

1. Stormwater, Sediment & Erosion Controls: (must be established before certificate of occupancy is issued.)

- Stormwater controls and conveyances are operational and free from obstructions.
- Sediment controls are operational and being repaired and maintained.
- Erosion controls that are not needed are removed.
- Best Management Practices (BMP's) are being applied.
- Disturbed areas are permanently stabilized.
- SWPPP inspections and site plan are logged and maintained.
- Permanent stabilization has been reached for Certificate of Occupancy.

2. Street Right-Of-Ways: (must pass inspections before Town Engineer acceptance.)

- Finished curbs and gutters are shaped and poured according to the approved plans set.
- All sidewalks and driveway entrances are constructed and verified.
- Finished traveled surfaces are compacted to proper design depths and finished widths verified.
- All streetlights are in place, properly metered and operational.
- Process started to request formal acceptance of the completed rights-of-way by the Town.
- Signs and permanent pavement markings are installed according to the approved plan set.

3. Water Improvements: (must pass inspections before Town Engineer acceptance.)
 - Pressure tests are performed, and results are documented with the Engineering Inspector.
 - Field density tests meeting the approved plan requirements are filed with the Town Engineer.
 - All necessary pressure tests have been performed and met minimum acceptable flow criteria.
 - All mandatory bacteriological tests have been performed and passed testing.
 - Fire hydrants are properly placed, correctly painted, and connected correctly to water lines.
 - Water valves are vertically aligned and accessible with a standard valve key.
4. Sewer Improvements: (must pass inspections before Town Engineer acceptance.)
 - Vacuum tests are completed, and results are documented with the Engineering Inspector.
 - Field density tests meeting the approved plan requirements are filed with the Town Engineer.
 - All necessary vacuum tests have been performed and met minimum acceptable standards.
 - Manhole frames meet the Town standard used on approved plans.

Notice: The developer shall maintain all facilities and improvements until accepted by the Town Engineer. The owner shall remain responsible for the abatement of any defects for a period of twelve (12) months after the date of acceptance by the Town. Streets will not be plowed for snow removal until the completed street rights-of-way have been formally accepted by the Town of Christiansburg.