



VIDEO INSPECTION GUIDELINES SANITARY AND STORM SEWER LINES

ALL SANITARY AND STORM SEWER LINES MUST BE VIDEO INSPECTED
PRIOR TO FINAL ACCEPTANCE AND AT 20 MONTHS

1. Experienced personnel shall perform the inspection by closed circuit color television.
2. The DVD and suitable log shall be submitted to City after installation of pipe.
3. DVD shall include voice description, as appropriate, with stationing of services indicated.
4. Data and stationing shall be included on DVD.
5. All DVDs and run sheets shall be given to the inspector and both will become the property of the City of Allen.
6. Should any portion of the inspection be of inadequate quality or coverage, as determined by the inspector, the contractor will have that portion reinspected. There will be no additional cost for a City of Allen project.
7. If repairs are required, another video inspection will be required after the repairs are completed.
8. The contractor shall employ a firm qualified in this type of work to make the television inspection.
9. The video will be provided directly to the inspector or inspector's office.
10. The contractor's firm must attach a decal to the DVDs that states the following and it must be signed by the officer of the firm along with printed name of officer and company: "I certify this DVD represents all or part of the television inspection performed on (*job name*) and has not been altered or changed in any manner."
11. DVD must be compatible with the inspector's equipment.
12. All information must be legible, easily read or viewed, and of **HIGH** quality.
13. All television equipment used shall have at least 250 lines of horizontal resolution and the picture shall be in color.

14. By voice, on the video, the operator must:
- Note the date and time the recording was made
 - Note the contractor's name and project name
 - Note the name of the operator and company performing the television inspection
 - Note the location, designation, size, and direction in which the test was made
 - Identify every 50-foot station
 - Identify the station of each manhole
 - Identify the locations and station of deficiencies
 - Identify the location and direction of entry of laterals

A runs sheet compatible with the DVD must be made noting deficiencies

15. Camera lens path shall follow the center of the pipeline. Pan to view each lateral service. **NOTE:** All lateral service must be video inspected for residential projects. If testing manhole to manhole, test shall be run downstream. If testing manhole to cleanout, testing shall be run upstream.
16. All wastewater conduits must be laced with enough water to fill all low points. **The inspection must be done immediately after lacing of the conduit with no water flow.**
17. The depths of standing water allowable for mains that are greater than 24 inches in diameter shall be evaluated by the inspector and the inspector will determine if corrective action is required. Allowable standing water depths at the end of construction for 6 inch through 24 inch conduits shall be no greater than ½ inch if laid at a .7% grade or less. There is no allowable amount for grades over .7%.
18. Inspector will determine if repairs are required and inspector's determination shall be final. Other acceptance criteria are as follows, unless otherwise specified:
- No pulled or slipped joints
 - No water infiltration
 - No cracked or damaged pipe
 - No structural damage to the pipe
 - Lines must be clean