
VI. SANITARY SEWER PLANS CHECKLIST

- 1. Plans are stamped by a licensed professional engineer
- 2. Provide address and phone number of engineer
- 3. Flow determinations consistent with Tables IV-2 and IV-3
- 4. The receiving system has the capacity for the proposed flows
- 5. All geographical features shown, including detention ponds, etc.
- 6. Topography and elevations of all existing features shown
- 7. Topography and elevations of all proposed features shown
- 8. Contours at 2 ft. intervals
- 9. Direction of flow in streams indicated
- 10. 100-year flood elevation shown
- 11. Location, size and direction of existing sewers shown
- 12. Location, size and direction of proposed sewers shown
- 13. Plan and profile sheets at 1" = 50 ft. horizontal and 1" = 5 ft. vertical
- 14. Manhole numbers shown
- 15. Manhole stations shown
- 16. Deflection angles shown
- 17. Coordinates of manholes shown
- 18. Distance between manholes, pipe size, and slope shown on each line segment
- 19. Elevations conform to City of Chattanooga datum
- 20. Elevations shown at manhole inverts and rims
- 21. All existing utilities and structures, above and below ground shown
- 22. All easements indicated on plans
- 23. All utilities are shown in the easements
- 24. Easement widths are consistent with city's requirements
- 25. Conflicts (main lines or laterals) with the storm sewer or other utilities are identified
- 26. Laterals shown for each lot (No dual purpose laterals allowed)
- 27. 6 " laterals shown where required by plumbing code
- 28. No collector or trunk sewers are located in storm retention basins or their embankments, or the 10-year floodplain
- 29. Hydraulic design criteria followed, including velocities and slopes per Tables IV-3 and IV-4
- 30. Manhole design and location consistent with Section IV paragraph 3.0
- 31. Pipeline depth consistent with Section IV paragraph 3.0
- 32. Legends, vicinity map, north arrows, etc. shown
- 33. City's standard notes for public safety sewer construction noted
- 34. Date of preparation and revisions noted
- 35. Sewers abut at lot line to serve each tract (lot) without crossing another lot

PUMPING STATION PLANS CHECKLIST

- 1. Plans are stamped by a Licensed Professional Engineer
- 2. Flow determinations completed
- 3. Wetwell sizing is consistent with Section IV
- 4. Force main sizing is consistent with Section IV
- 5. Pump rate (gpm) and total dynamic head (TDH) are given
- 6. All geographical features shown
- 7. Subsurface information, as appropriate, is provided
- 8. Topography and elevations of all existing features shown
- 9. Topography and elevations of all proposed features shown
- 10. Contours at 2-ft. intervals
- 11. Direction of flow in streams indicated
- 12. 100-year flood elevation shown
- 13. Existing pumping stations, force mains, and trunk sewers within 1 mile radius of the proposed pumping station shown
- 14. Size, minimum grade of sewer at discharge point of force main is given
- 15. Location, size, and direction of existing sewers shown
- 16. Location, size, and direction of proposed sewers shown
- 17. Location, size, and direction of existing force mains shown
- 18. Location, size, and direction of proposed force main shown
- 19. Manhole numbers shown
- 20. Manhole stations shown
- 21. Deflection angles shown
- 22. Coordinates of manholes and pumping station shown
- 23. Distance between manholes, pipe size, and slope shown on each line segment
- 24. Benchmarks are shown
- 25. Elevations conform to City of Chattanooga datum
- 26. Elevations shown at manhole inverts and rims
- 27. All existing utilities and structures above and below ground shown
- 28. Property lines for the proposed pumping station property are indicated
- 29. All easements indicated on plans
- 30. All utilities shown in the easements
- 31. Legends, vicinity map, north arrows etc. shown
- 32. Access roads, parking, turnarounds are shown
- 33. Drainage is shown
- 34. Fencing of the site is shown
- 35. Landscaping is shown
- 36. Plan and section views sufficient to indicate what is to be built and what equipment is to be furnished
- 37. All equipment to be furnished is approved by the City of Chattanooga
- 38. Elevations are given for all structural components and operational levels of wetwell are called out
- 39. Painting is defined and/or specified
- 40. Telemetry system and alarm contact points consistent with existing City of Chattanooga SCADA system