



## SEWER SITE PLAN REVIEW CHECKLIST

*(Required for any development which extends or installs public sewer mains.)*

**Site Plan Number:** \_\_\_\_\_

**Date:** \_\_\_\_\_ **Project Name:** \_\_\_\_\_

**Project Address:** \_\_\_\_\_

**Owner Name:** \_\_\_\_\_

**Owner Address:** \_\_\_\_\_

**Phone Number:** \_\_\_\_\_ **Owner Email:** \_\_\_\_\_

**Project Description:** \_\_\_\_\_

### SEWER PLAN REVIEW CHECKLIST

*This checklist is intended as a guide to the critical items required by the State of Tennessee, and the City of Maryville Water & Sewer Department. The Engineer is responsible for being familiar with and meeting the design standards of the state and city. It is strongly suggested that a pre-design conference be scheduled with a preliminary development layout including topography and water features available for the conference. Each element presented in this list shall be checked "Yes", as applicable to the site. Checks placed under the "No" column shall be justified in a written statement attached to this checklist. Elements of the plan that are not applicable for the site shall be marked as "N/A".*

- Yes  No  N/A **1. Date of plan and date of any revision(s) on plan sheets.**
- Yes  No  N/A **2. Plans stamped and sealed by a licensed engineer.**
- Yes  No  N/A **3. Vicinity map including: North arrow, adjacent roadways, site boundary lines, and latitude/longitude.**
- Yes  No  N/A **4. Location, size and direction of flow of all sewer lines.**
- Yes  No  N/A **5. Hydraulic calculations for all lines into project showing adequacy either on the plans or in a supplementary report using the State of Tennessee format -rf. Chapter 2 of the State of Tennessee standards**
- Yes  No  N/A **6. All bodies of water including direction of flow and high water elevations.**
- Yes  No  N/A **7. Scale drawings which clearly show the following items:**
  - a. The following lines with accurate bearings and distances:
    - Property boundaries
    - Lot lines
    - Right-of-way lines of streets.
    - Utility access or other easements (existing and proposed for sewer that falls outside of the property owned or controlled by the developer)
  - b. Existing topographic contours in GRAYSCALE line style including trees within 25ft of centerline of proposed sewer.
  - c. Proposed topographic contours presented at a 2-foot interval in a BOLD line style within 25ft of centerline of proposed sewer.



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(Page 2 of 3)

- Yes  No  N/A **8. Maximum allowable plan view scale 1" : 50' Vertical scale maximum of 1" : 10'**  
**Use corresponding horizontal scales for plans and profiles.**
- Yes  No  N/A **9. Minimum pipe size & slope is 8" pipe at .5% slope.**
- Yes  No  N/A **10. Locations of streets and sewers.**
- Yes  No  N/A **11. Sewer details- lines of ground surface, pipe type (material/class), pipe size, manhole stationing, manhole invert elevations, surface elevation at manholes, manhole top elevations, length and slope of sewer between adjacent manholes, manholes labeled on both plan and profile.**
- Yes  No  N/A **12. Manhole distance must be less than 350ft separation.**
- Yes  No  N/A **13. Where there is any question of depth; elevation and location of basement floor or other low point source shall be plotted on the profile of the sewer which is to serve the house or source in question.**
- Yes  No  N/A **14. Locations of all special features.**
- Yes  No  N/A **15. Location of adjacent streams, and extent of streamside vegetation.**
- Yes  No  N/A **16. Detail drawings of special joints, appurtenances, etc.**
- Yes  No  N/A **17. Location and size of services - distance from upstream and downstream manhole and length of 6' lateral, and depth of lateral needed at the end of the lateral to serve the lot.**
- Yes  No  N/A **18. Inverts for the manholes- inlet inverts and outlet inverts rather than a single manhole centerline invert. (Outlet invert should be .1' lower than invert)**
- Yes  No  N/A **19. Manhole deflection angles.**
- Yes  No  N/A **20. 100ft stationing of sewer lines and stationing of all appurtenances on plan and profile view.**
- Yes  No  N/A **21. Plan and profile view shall be on the same sheet and oriented in generally the same direction.**
- Yes  No  N/A **22. Servicing utility name, address and phone on first sheet of plans. (City of Maryville Water & Sewer Department, 332 Home Avenue, Maryville, TN 37801, (865) 273-3300)**
- Yes  No  N/A **23. Developer and property owner name, address and phone on first sheet of plans.**
- Yes  No  N/A **24. Engineer name, address and phone on first sheet of the plans.**
- Yes  No  N/A **25. Note: All construction is to be in accordance with the Water & Sewer Department Rules, Regulations, Rates, and Policies. (Note if the standard details are included as part of the plan, this note is already on the City of Maryville Standard Detail Sheet, and does not need to be included on any other sheets)**



## SEWER SITE PLAN REVIEW CHECKLIST

(Page 3 of 3)

- Yes  No  N/A **26. Revisions tabulated on re-submittals.**
- Yes  No  N/A **27. Benchmarks (All plans to include the establishment of a minimum of one benchmark for each project. Benchmark and its elevation are to be shown in the plan set. Benchmark is to be maintained through the completion of the project.)**
- Yes  No  N/A **28. Inclusion of City of Maryville Detail sheets or similar relevant detail sheets. Details must match City of Maryville standards.**
- Yes  No  N/A **29. Detailed drawings of all stream crossings- reference Chapter 2 of State of Tennessee regulations for stream crossing requirements.**
- Yes  No  N/A **30. Locations of all existing or planned structures below and above ground which might interfere with the proposed construction, particularly water mains, gas mains, storm drains, etc. (show on both plan and profile view)**

### SUBMITTED BY:

Print Name: \_\_\_\_\_

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_ Email: \_\_\_\_\_

Signature: \_\_\_\_\_