



**Robert A. Ficano**  
**County Executive**



## **Facilities Management Division**

### Sanitary Sewer Approval Checklist

Sewer Use Ordinance Article III – Sections 4, 8 & 9 (b)

1. Engineer Approval: Each set of plans shall be approved and signed by the officially Designated Municipal Engineer who shall be a Registered Civil Engineer.
2. Seal: Each set of plans shall bear the seal of the Registered Civil Engineer who is responsible for the plans.
3. Sewer Listing: A quantity listing of sewer pipes by diameter, cleanouts, and manholes (regular, interior drop and exterior drop) shall be included in the plans.
4. Location Map: A location map indicating the 1/4 section in which the project is located shall be shown on the plan.
5. Overall Plan: When more than one sheet is required for plan, a smaller scale overall plan with utilities and bench marks shall be provided.
6. Bench Marks: Two bench marks shall be indicated on each plan sheet.
7. Outlet: On instances where the County Agency has no record of the existing sewer to which a proposed sewer is to be connected, or where existing sewer is not shown in accordance with previously approved plans, as-built plans of the existing sewer and evidence of acceptable leakage tests shall also be submitted for approval.
8. Inverts: All existing sewer inverts shall be field-measured and shall be so designated on the plan and profile.
9. Profile: A profile including inverts, gradient, length, and drop connections shall be shown for each run of sewer or force main and stub.

10. Utilities: Existing and proposed utilities shall be shown on plan and profile.
11. Manhole Numbering: Manholes shall be numbered on plan and profile.
  - 11 a. Manhole: A manhole shall be constructed at the end of every run of sewer receiving two or more connections at intersections, change in direction, change in grade, and at the terminus of the sewer.
  - 11 b. Manhole Spacing: The maximum distance between manholes shall be 400 feet, if sewer size is  $\leq$  48 inches. [Section 4 (a)]
12. Bulkheads: The locations of existing or proposed stoppers and bulkheads shall be indicated on the profile.
13. Curb Grades: Proposed or existing curb or sidewalk grades of streets adjacent to the sewer shall be shown on the profile.
14. Basement Grades: Basement grades shall be shown for existing and proposed buildings where the sewer is less than 10 feet deep or a note stating no basements, or the method of serving basements shall be included.
15. Pipe Type: Allowable types of pipe, joints, and stoppers for public and building sewers shall be indicated on the plans.
16. Stubs: Stubs or dead end sewers shall be designated as follows: “To facilitate future construction only, no building leads allowed until terminus manhole is constructed.”
17. Easements: An easement shall be designated on the plan for each run of public sewer not in the public right-of-way. The minimum easement shall be 12 feet; however, the rear easement on subdivision lots may be reduced to six feet where there is no contiguous subdivision.
18. Details: Details of pipe bedding, building sewers, drop connections, bulkheads, manholes, manhole covers, and other appurtenances shall be submitted with the plans.

19. Notes: The following notes shall appear on the plans:
- a. No connection receiving storm water, surface water or groundwater shall be made to sanitary sewer.
  - b. Infiltration for any section of sewer between manholes shall not exceed 100 gallons/inch diameter/mile/24 hours.
  - c. All elevations are based on Wayne County Datum (USC&GS).
  - d. No footing drains shall be connected to the building sewer.
  - e. Differential of excavation around existing manholes shall not exceed six feet.
  - f. Contractor shall notify Wayne County Department of Public Services, Engineering Division, Permit Office, 48 hours prior to the start of construction. [(734) 595-6504 X 2009]
20. Testing: Specify on the plans that the testing of sewer and stubs by air and infiltration or exfiltration tests are required. [Section 8.]
21. Design Data: Design data conforming to Michigan Administrative Code R 299.2935(3)(a) through (j) of the General Rules of the Michigan Department of Natural Resources & Environment, Water Resources Division shall be submitted with the plans. [Section 2 (c)]
22. Televised Inspection: Specify on the plans that all sewers shall be video-inspected, with test results approved by the City/Township or County Agency prior to placing the sewer in service. [Section 8 (a)]
23. Sewer Connection: If the proposed sewer connects directly to a County Interceptor check for weather the connection will be located at a metering site.
24. Review Fee: Permit fee is \$487 plus \$48 per 100 lineal feet and portion thereof of sewer line to be constructed. [Wayne County Code, Section 129-321(6)] Please make a check or draft payable to Wayne County for the full amount. [Article II, Section 3 (b)]