

Elkhart County Regional Sewer District State Road 13 Interchange TIF District Wastewater
Collection System Connection Inspection Checklist

The following is checklist prepared directly from the ECRSD Rules and Regulations for Building Sewer Construction. This checklist is a summary of the Rules and Regulations set forth by the ECRSD and does not substitute the document itself. **The entire installation and final hookup of the sewer shall be inspected prior to backfilling in order to verify materials and installation.**

1. Trash tank condition and construction
 - a. Sized to provide minimum of 24-hour intake detention time
 - b. Septic tanks watertight and resistant to groundwater and surface water
 - c. Effluent filter
 - i. Rated for average daily flow
 - ii. Gas baffle
 - iii. Polylok PL Series or approved equal
2. Aeration Tank and Equipment
 - a. Minimum volume to provide 24 hour in-tank detention
 - b. Manufactured by Orenco Systems, Inc., Aero-Tech, or approved equal
3. Effluent Pumps
 - a. Orenco pump/basin/control
 - b. 10 GPM
 - c. Total dynamic head TDH 180 ft
 - d. Influent pump filter
4. Clean out installed
 - a. Minimum 18 inches and maximum 4 feet from building
 - b. Every 100 feet along gravity type building sewer
 - c. Every change of direction
 - d. Same diameter as sewer lateral pipe
 - e. Y fitting
 - f. Not covered; readily accessible
 - g. Capped with approved watertight lid
5. Internal grey water lines re-routed to sewer
6. Surface and groundwater lines re-routed elsewhere
7. Bedding materials under laterals
 - a. 3" Loam, sand, native soils, or similar materials

8. Piping and fixtures are in satisfactory condition or have been corrected to meet the rules and regulations of the ECRSD
 - a. >50 ft from potable water source
 - i. SDR 35 PVC or SCH 40 PCV with gasket, pressure grade push on joints
 - b. <50 ft from potable water source
 - i. Waterworks grade (DSR 21 PVC, ductile iron) with gasket, pressure grade push on joints
 - c. Routed together to single point of connection
 - d. Low Pressure Lateral
 - i. DR11, 200 psi, HDPE Pipe, butt fusion or socket fusion
 - ii. 1-1/4" in diameter
9. Lateral and gasket installed
 - a. 4 in diameter, min slope of 1.33%, max slope of 12%
 - b. 6 in diameter, min slope of 0.67%, max slope of 12%
10. Flexible coupling on outlet
11. Results of piping pressure tests attached
 - a. Gravity Sewer
 - b. Low pressure 4.0 psig
 - i. ≤ 1 minute 53 seconds
 - ii. >597 ($0.190 \times \text{length of pipe}$)
 - c. Pressure laterals
 - i. Max 15 min per manufacturer's specifications
12. Material used for lateral if not installed by Contractor