

Elkhart County Regional Sewer District Heaton Lake Wastewater Collection System Connection Inspection Checklist

The following is checklist prepared directly from the ECRSD Ordinance No. 06-06-07-2 An Ordinance Establishing Standards for the Construction of Building Sewers (House Connections) For Elkhart Count Regional Sewer District. 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. Sewage System Abandonment

a. Tanks

- i. Disconnect all power and remove all controls
- ii. Pump out contents of tank using licensed septic tank cleaner
- iii. Remove riser and tanks or crush the lids and risers into the tanks and punch a hole in the bottom of the tank
- iv. Backfill holes or tanks with sand, flowable fill, granular material, concrete, or other non-organic soil that can be compacted to prevent settling
- v. If the house connection is routed through tank, the walls must be crushed

b. Drywells

- i. Pump out contents using licensed septic tank cleaner
- ii. Remove or crush lid into drywell
- iii. Backfill with sand, concrete, flowable fill, or soil material
- iv. Cover to desired level

c. Absorption Fields

- i. If no plans to use the area, the components may remain intact. keep vegetative cover
- ii. If effluent surfaced use hydrated lime to cover affected areas
- iii. If the system is removed, have a contractor remove and properly dispose the pipes and sand from the site, ensure that the entire field is completely dry after a sufficient period of time, and properly grade.

2. House Connection Construction

a. At least 50 feet from any water supply well

b. Less than 50 feet

- i. Solvent welded schedule 40 pipe
- ii. Minimum of 20 feet section centered on the well providing 10 feet of isolation from coupling
- iii. Cannot be upsized when connecting to clean out or public lateral

c. Cleanouts

- i. At least 2 on every connection
 1. Within 5 feet of building
 2. On the edge of the public ROW or easement

3. Max 100 feet between the cleanouts
4. Max 135 degrees of bend without additional cleanout

5. NO 90 degree elbows

- ii. Match the diameter of pipe
- iii. Straight Tee fitting as base
- iv. Riser pipe same diameter as lateral
- v. Riser brought up within 3" of finished grade
- vi. Riser capped with threaded screw plug
- vii. If installed in parking lot/drive way cast iron cover required at matching grade
 1. Supported with compact earth or cement base

d. Pipe Installation

- i. Gravity sewer pipe >4" internal diameter
 1. 4" minimum PVC Schedule 40 or 6" SDR 35 PVC with centered coupling joints or rubber compression joints
- ii. Even grade, straight line, where feasible
- iii. Grade of house connection between 2%-10%
- iv. When necessary, approved sewage pumps or ejector pumps will be accepted
- v. Pressure sewer pipe used for force main >2" internal diameter
 1. Remainder of system shall be gravity
- vi. Mechanical or other pressure type joints utilized in force main

e. Cover Over Pipe

- i. All areas with less than 30" of cover require sewer pipe inside a concrete or iron pipe

f. Connection to Sewer Main

- i. Connection should use "tees" or "stubs"
 1. Alternatively, saddle or manhole connections
 - a. Saddle connections made to the upper half of sewer main and completely sparged with concrete following inspection
 - b. Manhole connections cored into structure and uses a high performance flexible connector-new flow properly channeled into existing channel

g. Grease Trap

- i. Properly designed and ventilated
- ii. Interposed between connection and kitchen

3. Inspection

- a. MUST INSPECT PRIOR TO BACKFILLING
- b. Abandoned tank cover must be crushed and tank must be open for inspection
- c. Requests 48 hours prior

4. Testing

- a. Air or water test required on the line
 - i. At owners expense

- ii. ECRSD member must be present
- iii. Air testing outlined in ASTM C.828-80
- iv. Water testing 10' standpipe on high end

