



# Manhole Lining Plan Review and Permitting Process

This process is applicable to existing manholes requiring rehabilitation.

- Step 1:** During the plan review of the associated private development project, the development's assigned plan reviewer will identify that manhole rehabilitation may be required if new connections to existing manholes are planned to be made.
- Step 2:** Citizens will assign an inspector to inspect the manhole prior to the new connection being made. Upon completion of the manhole condition inspection, the inspector will notify the contractor of any rehabilitation work on the manhole that will be required prior to connection of the new sanitary sewer.
- Step 3:** If the manhole requires rehabilitation, at a minimum, a structural liner approved by Citizens shall be installed prior to the connection of the new sanitary sewer. The selected liner must meet the service conditions encountered. Approved manhole liners are summarized in Table 1.
- Step 4:** The property owner and/or designated representative (i.e. private contractor) will be responsible for all materials, labor, and additional costs associated with the installation of the manhole lining. Upon completion of the installation, the Citizens inspector shall complete a final inspection of the rehabilitated manhole.

*Please note: For sanitary sewer lateral projects, the contractor shall order an inspection of the manhole repair online at [info.citizensenergygroup.com/permits-and-forms](http://info.citizensenergygroup.com/permits-and-forms) (under Sanitary Laterals). The rehabilitated manhole will be inspected at the same time as the sanitary laterals, so if excavation was required to install any portion of the lateral, the trench must be left open for Citizens to complete the inspection. All installations must follow the Citizens Sanitary Standards Manual, which is available online at [info.citizensenergygroup.com/permits-and-forms](http://info.citizensenergygroup.com/permits-and-forms).*

*Please note: All contractors performing work on sanitary sewer facilities connected to Citizens Energy Group assets must be licensed with the City of Indianapolis / Marion County.*

## For more information:

Website: [info.citizensenergygroup.com/permits-and-forms](http://info.citizensenergygroup.com/permits-and-forms)

New Service Contact Center: 317-927-4444  
(M-F 8:00am-4:30pm)

[NewService@CitizensEnergygroup.com](mailto:NewService@CitizensEnergygroup.com)

**Table 1 - Approved Manhole Lining Systems**

Manufacturer	Lining System	Service Conditions
SprayRoq (SprayWall)	Polyurethane	Heavy Wall Corrosion, Structural Renewal, Infiltration Control
CCI Spectrum (SpectraShield)	Two silicone modified polyurea layers + one polyurethane layer	Heavy Wall Corrosion, Structural Renewal, Infiltration Control
Mainstay	Epoxy + mortar	Heavy Wall Corrosion, Structural Renewal, Total Collapse, Infiltration Control
Raven (405)	Epoxy	Heavy Wall Corrosion, Structural Renewal, Infiltration Control
Vortex (GeoKrete)	Geopolymer mortar	Light Wall Corrosion, Structural Renewal, Infiltration Control
Strong-Seal QSR	Cementitious mortar	Light Wall Corrosion, Structural Renewal, Infiltration Control
A.W. Cook Cement (Silatec MSM)	Cementitious mortar	Light Wall Corrosion, Structural Renewal, Infiltration Control