

## What is the North Rillito Interceptor (NRI) Project?

The North Rillito Interceptor (NRI) project is approximately 10 miles long. The NRI is a large diameter pipeline that transports wastewater from the City's far east side in the Woodland Road and Bear Canyon area, along the north bank of the Tanque Verde Creek and Rillito River, to the Ina Road Wastewater Treatment Facility – which serves a major portion of northern and eastern Tucson. Although there are no immediate plans to increase the NRI's capacity



due to limited density growth, Pima County's Regional Wastewater Reclamation Department (RWRD) must comply with the United States Environmental Protection Agency guidelines relating to wastewater system capacity, management, operations and maintenance and to minimize the number of sewer overflows.

*Resin-coated lining is inserted into the manhole.*

## Cured In Place Pipe (CIPP) Lining Process

The method of work for this project is a Cured In Place Pipe (CIPP) Lining Process. This process allows the contractor to rehabilitate the pipes "in place" rather than a traditional method of replacing the pipes, which causes increased construction impacts on nearby neighborhoods and businesses.

During the CIPP Lining Process, a resin impregnated lining is inserted into the existing manhole sewer pipe. The lining is then cured with hot water, which allows the resin impregnated lining material to harden & adhere to the pipe which creates a "pipe within a pipe."

## Manhole Reconstruction

In addition to the CIPP lining process, the contractor will re-construct some sewer manholes along the alignment. Rehabilitation efforts may require excavation in order to safely rebuild the structure.

Motorists traveling through the area should be alert for large equipment and possible lane restrictions and detours in the work area.



*Manhole rehabilitation*



*Prior to construction, the team briefs police, emergency responders, Environmental Services and others.*

## What to expect

- There will be a public meeting before the start of each construction phase.
- The project team will coordinate with local police, emergency responders, Environmental Services, the Postal Service and schools.
- If there is sewer infrastructure within a sewer easement that runs across your property, Pima County, it's Agents, and/or Contractors may require access to your property to take measurements and assess the condition of manholes and sewer lines.
- Sewer rehabilitation work typically occurs within the County sewer right-of-way easements.
- Providing property access for sewers & manhole facilities within the Pima County Sewer easements is required by law.
- A temporary bypass system, which diverts the sewer flows from the pipes that are being rehabilitated, will be installed and monitored 24 hours a day. The temporary piping for the sewer bypass system sits above ground and connects to a pumping system that allows the flows to travel downstream.
- You should **not** notice any change to the sewer system of your home or business while the bypass system is in place.
- Residents and businesses will see large equipment in the work area.
- Water supply lines, placed above-ground, will be connected to hydrants near the work area; they provide the water used in curing the lining material.

## To learn more about the project

Project Website:  
[www.sewerimprovements.info](http://www.sewerimprovements.info)  
 Click – Projects / North Rillito Interceptor

## For questions, call

Project Information Line:  
 520.622.2527  
 monitored 24/7

# North Rillito Interceptor Rehabilitation Project (NRI)

*The NRI Project will be completed in six phases, but not necessarily in order.*

