

RESILIENT + SUSTAINABLE

Infrastructure System Overview

Sanitary Sewer

The City of Pleasant Hill Public Works Department maintains the sanitary sewer system that serves Pleasant Hill, which includes 60 miles of sanitary sewer lines, 775 sanitary sewer manholes and 5 sanitary sewer lift stations.

The City of Pleasant Hill is a member community of the Des Moines Metropolitan Wastewater Reclamation Authority (WRA). The WRA provides service to parts of Dallas, Polk and Warren Counties with approximately 125 miles of sanitary sewer transmission mains with pipe sizes up to 144 inches in diameter. The conveyance system connects each of the participating communities to the wastewater treatment facility where it is treated with several different processes to remove contaminants before the effluent is returned to the Des Moines River. The WRA is completing long-range planning to address long-term capacity in the system.

The City has an approved 28E agreement with the City of Altoona to provide service to the southeastern portion of Altoona. Several of the sewer extensions to serve this area have been completed. The annexed ground on the northern and eastern portions of the community are generally serviceable by lateral main extensions that will be provided with future development and growth in the community. The City is also serviced by a series of pump stations that route sanitary sewer flow to the southwestern portion of the community where it ultimately connects to the WRA trunk sewer flowing to the WRA Des Moines treatment plant. The City does currently have a lift station on SE 60th Street that is not in operation to support future development in that area. The City has also continued to make improvements to the lift stations to provide security measures and emergency backup generators for hazard mitigation.

Figure 9.5 shows the current system. There are also extensions underway to serve parts of Altoona.

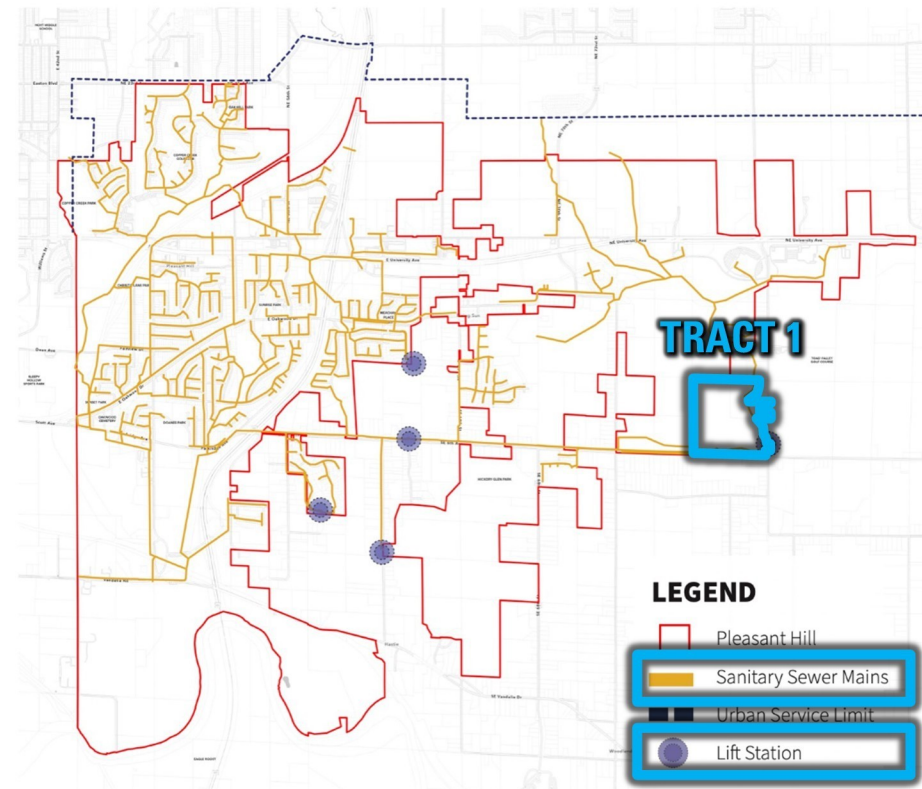


FIGURE 9.5 // EXISTING SANITARY SEWER SYSTEM

SOURCE: CONFLUENCE WITH INPUTS FROM PLEASANT HILL, DART, POLK COUNTY, STATE OF IOWA



Scan the QR code to learn more about the WRA's services.