



# 2022-2026 CIP REPORT

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# Glossary

- BOWC.....Board of Water Commissioners
- CIP .....Capital Improvement Plan/Program/Project  
(depending on context)
- CS.....Consultant Services
- DLBA.....Detroit Land Bank Authority
- DPS .....Detroit Public Schools Community District
- DTE .....Detroit Edison
- DWRF.....Drinking Water Revolving Fund
- DWSD .....Detroit Water and Sewerage Department  
(Department)
- DWS.....Department of Water Supply
- FY.....Fiscal Year
- GRDC .....Grandmont Rosedale Development Corporation
- GLWA .....Great Lakes Water Authority (Authority)
- GSI .....Green Stormwater Infrastructure
- I&E .....Improvement and Extension
- MBO .....Master Bond Ordinance
- NPDES.....National Pollutant Discharge Elimination System
- PASER .....Pavement Surface Evaluation and Rating
- PDD.....Planning and Development Department

PW ..... Public Works  
SRF ..... State Revolving Fund  
URT ..... Upper Rouge Tunnel  
WS ..... Water System

## Executive Summary

January 1, 2016 marked a new era for the Detroit Water and Sewerage Department (DWSD). The creation of the Great Lakes Water Authority (GLWA), a regional supplier of water and wastewater treatment services, led to the evolution of DWSD as a retail only service provider for the City of Detroit. The new DWSD is solely focused on ensuring affordability and improving service to Detroit customers. Over the past five years, the department has implemented new customer payment plans and a water residential assistance program (WRAP), which increased the collection rate to 90% (up from 77% in January 2016). This increased collection rate, is equivalent to approximately \$4 million dollars for every percentage point. Increased collections were made possible by offering customers multiple avenues to make payments, including mail, online, in-person, by kiosk, or by phone. As of March 2020, the department no longer processes in person payments, due to the COVID-19 pandemic.

Improved collections allows the department to invest more in the operations, maintenance, renewal and replacement of the water and sewer infrastructure. With respect to operations and maintenance, DWSD has cleaned more than 30,000 catch basins in a 3 year time span; ensured a 98% availability rate for operable fire hydrants, resolved more than 90% of running water complaints in 2 days or less; and repaired 87% of broken water mains reported by customers in 4 days or less. In addition, the department has become completely paperless, implementing Cityworks for work order management. However, Cityworks would be useless without the

investment in updating the Geographic Information System (GIS) which contains the information on the size, length, installation date, location, etc. of the DWSD water and sewer infrastructure.

DWSD launched an aggressive program to renew 1% of the systems infrastructure in July 2017 with the launch of the \$500 million Capital Improvement Program Management Office (CIPMO). The engineering, stormwater management group, construction and facilities teams updated standard details, specifications, and standard operating procedures for all capital construction. This included implementation of e-builder, a construction project management software platform, which digitized the entire construction administration process. All schedules, submittals, invoices, change orders, meeting minutes, and daily inspection reports are housed in e-builder. This allows for more transparency across DWSD divisions such as finance and legal.

DWSD also updated the process by which projects are chosen for replacement, creating a water risk model that accounts for break history, probability of lead service lines, materials of construction, age of pipe, capacity, available fire flow etc. and a sewer risk model that includes basement back up complaints, materials of construction, capacity, untreated combined sewer overflow discharge, age of pipe etc. Both models include categories for investments in an area by other municipal agencies (city, state and federal); private corporations or the philanthropic community. DWSD also performs condition assessments to determine the specific renewal or replacement needs for water and sewer infrastructure.

This new program has resulted in the following for calendar years 2018 through 2020:

- 66 Miles of water main replaced (22 miles per year, up from 5 miles per year in 2016)
- 50 miles of sewer lined (17 miles per year, up from 3 miles per year in 2016)
- 1,100 full lead service line replacements
- 75 Miles of water main assessed
- 295 miles of sewer main assessed
- 240 sewer segment capital rehabilitation repairs

DWSD also began an aggressive program to implement green stormwater infrastructure (GSI) for stormwater management in accordance with its National Pollutant Discharge Elimination System (NPDES) Permit issued by the Michigan Department of Energy, Great Lakes, and Environment (EGLE). The permit requires the department to spend \$50 million on GSI implementation by 2029. This requirement was included in the 2008 permit and as of January 2016 the department had only invested \$1.3 million in GSI including demolition of vacant structures in the Brightmoor neighborhood and planting trees throughout Rouge Park and in various west side neighborhoods. At the end of calendar year 2020, the department has constructed more than 15 GSI projects which manage 55.92 MG of stormwater annually. These projects have a capital investment spend through Dec 2020 is \$28.4M. The department's largest GSI project to date will begin construction this calendar year in the Far West neighborhood adjacent to Rouge Park. This project will manage stormwater for a 215 acre area with detention ponds located in the park. The project is valued at more than \$30 million and will allow the department to meet its permit obligation by 2027; two years earlier than required.

Motivated by visionary leadership and resolute fortitude, the DWSD team has been able to accomplish unimaginable heights in five short years. The work has been possible because of a concerted effort to focus on our customers. DWSD proudly presents the 2022 to 2026 Five Year Capital Improvement Program

## Overview

### Detroit Water and Sewerage Department

Detroit Water and Sewerage Department (DWSD) is one of the largest water and sewer utilities in the United States, serving more than 235,000 accounts that includes a residential population of nearly 700,000. DWSD's water network consists of more than 2,700 miles of water main and nearly 3,000 miles of sewer collection piping. DWSD has a rich history as a public utility dating back to 1836. Today, DWSD focuses on improving the service of account holders in the city of Detroit. This includes deployment of kiosks for bill payment throughout the city, use of "Improve Detroit" (See-Click-Fix) to report water and sewer issues, and stronger partnerships with other city agencies to address citizen's issues. The source water in the Detroit area is obtained from two sources: Lake St. Clair and the Detroit River.

On January 1, 2016, the City of Detroit began leasing regional water and sewer infrastructure, as well as water and wastewater treatment facilities, to the Great Lakes Water Authority (GLWA). The regional system, built by DWSD, serves 126 municipalities in seven southeast Michigan counties. The agreement between DWSD and GLWA includes a \$50 million annual lease payment for 40 years to replace and rehabilitate DWSD's aging water and sewer system. DWSD continues to retain ownership of the regional assets.

The governance structure of the Authority gives suburban water and sewer customers a substantial collaborative role in the direction of one of the largest water and wastewater utilities in the nation. While GLWA manages and operates all regional water and wastewater wholesale services, DWSD and the other customers

retain control of the local water and sewer services within their respective borders. DWSD also acts as an agent of GLWA with respect to rate-setting, billing, collecting and enforcing local retail charges in the City of Detroit.

### Governance and Board Members

The seven members of the Board of Water Commissioners (BOWC) are appointed by and serve at the pleasure of the Mayor of the City of Detroit. In addition to the qualifications established in the December 15, 2015 Court Order, the City's Charter: (i) prohibits any member of the Board from being a City official or employee, or a principal or employee of a contractor of the City, (ii) requires that a member of the Board be a citizen of the United States and a resident of the State of Michigan, and all seven current commissioners are Detroit residents, appointed by the Mayor.

Four committees have been established: (i) Customer Service, (ii) Human Resources, (iii) Finance, and (iv) Capital Improvement Program and Operations Committee. The BOWC currently consists of:

- *Michael Einheuser, Chairman*
- *Mary E. Blackmon, Vice Chairperson*
- *Lane Coleman, Commissioner*
- *John Henry Davis, Commissioner*
- *Linda D. Forte, Commissioner*
- *Jane C. Garcia, Commissioner*
- *Jonathan C. Kinloch, Commissioner*

## Management Team

To meet the needs of Detroit's residents and businesses, DWSD is led by a Management Team consisting of:

- *Gary A. Brown, Director*
- *Palencia Mobley, P.E., Deputy Director and Chief Engineer*
- *Samuel Smalley, P.E., Chief Operating Officer*
- *Thomas Naughton, Chief Financial Officer*
- *Dan Rainey, Chief Information Officer*
- *Debra Pospiech, General Counsel*

## Service Area and Customer Relationships

The service area of DWSD is primarily the city of Detroit. This includes more than 235,000 customers in a 139-square mile area. However, DWSD does have approximately 200 suburban retail customers. Suburban retail customer are those who lie outside the incorporated limits of the city but are served by the DWSD's local water or sewer infrastructure. DWSD is committed to serving all of its customers, both residential and non-residential, with superior service.

## Capital Improvement Plan

The DWSD Capital Improvement Program (CIP) annually compiles, evaluates and guides future capital investment in programs and projects that will upgrade the Department's aging water distribution and wastewater collection system infrastructure, stormwater management infrastructure, facility improvement and upgrades, as well as the various vehicle and equipment procurements that supports the DWSD systems over a five year timeframe. The CIP ensures mandated projects and rehabilitation of assets necessary to meet permit obligations, funding sources and other regulatory requirements are aligned. Based upon the execution of programs

and projects identified in the CIP, existing levels of service currently provided will be met or exceeded.

This CIP should be considered a planning document – the CIP is a dynamic and evolving plan that requires continual review and adjustments as needs become more defined throughout the year. The estimates indicated in the early years of the report are likely more precise than those in the later years. All of which help plan the capital program cash flow needs. The project descriptions and summaries represent a brief synopsis of the entire project scope; these descriptions are generally more precise for ongoing active projects than for planned new projects, where specific project activities may have yet to be determined.

DWSD has developed a CIP for the next five years that is within the range of \$75 to \$100 million, annually, to accelerate the pace of infrastructure renewal. In fact, the CIP is a major component of the City's larger capital investment strategy designed to:

- Renew and rehabilitate Detroit infrastructure and neighborhoods
- Reconfigure systems to reflect demographic trends and emerging urban plans
- Re-landscape the urban environment to embrace the "greening of Detroit"

A centerpiece of the CIP was the implementation of a CIP program management organization (CIPMO) with responsibility to coordinate and execute capital project planning and implementation across public agencies and private utilities responsible for infrastructure and community development. DWSD through the CIPMO is establishing a sustainable and repeatable process for capital project development and delivery, through updated design standards and utilization of a group of standard Engineers Joint Contract

Documents Committee (EJCDC) series documents for construction and professional services. This has been a multi-year process that is intended to produce an annual program that is scalable to relate to DWSD’s planned capital budget and infrastructure co-ordination across the City.

As the CIPMO established improved business process workflows, developed standard operating procedures, implemented a cloud based technology infrastructure and delivered designs and construction bid packages, parallel work continued by DWSD staff to implement water, sewer and green stormwater infrastructure projects. DWSD has and will continue to make investments in equipment, facilities, and technology to improve the level of service to its customers and maximize the life of its assets. Field Engineering Services (FES), which is responsible for water and sewer CIP delivery, is now focusing on transitioning efforts of the CIPMO to internal staff over a two-year period.

DWSD also developed and submitted to State of Michigan Environment, Great Lakes and Energy (EGLE) an Asset Management Program that satisfies the requirements outlined in the Safe Drinking Water Act 1976 PA 399 as amended; R 325 11606. The categories include Asset Inventory, Criticality Assessment, Level of Service Goals, Capital Improvement Plan, Funding Structure and Rate Methodology.

### Calendar

The following are some important dates regarding the DWSD 2022-2026 CIP.

Date	Description
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<b>February 2, 2021</b>	Submitted FY2022-2026 CIP Preliminary Draft to GLWA as per Lease Agreement
<b>February 17, 2021</b>	Board of Water Commissioners Meeting- Presented FY2022-2026 CIP Preliminary Draft
<b>April 21, 2021</b>	Present Board of Water Commissioners Meeting- submit draft of FY2022-2026 CIP
<b>June 16, 2021</b>	Board of Water Commissioners Meeting Approval of FY2022-2026 CIP
<b>June 30, 2021</b>	Submit BOWC Approved FY2022-2026 CIP to GLWA, FRC and City of Detroit
<b>July 1, 2021</b>	Effective Date of FY 2022-2026 CIP

### 1.1. Funded Portion of the Programs

The source of funds for the CIP include revenue financing also known as the Improvement & Extension (I&E) fund, bond proceeds, loan, and grant opportunities.

This plan spans a 5-year period from fiscal year 2022 through 2026. The CIP is used as a cash flow prediction and serves as the basis for timing the need for bond proceeds or low-interest loans from the State (SRF) and Drinking Water Revolving Fund (DWRF). Some construction projects are currently funded from prior bond sales settled at bifurcation with GLWA. The sale of bonds and loan applications are authorized jointly by the DWSD and GLWA boards.

DWSD will continue to explore new and creative ways of seeking additional funding, including applying for grants from federal, state and nonprofit organizations.

The CIP review process also includes an extensive review of the total project, or “lifetime” budget, which reflects historical spending prior to, during, and beyond the current 5-year period. The goal of the Department’s capital financing strategy is to align capital project

financing sources with multiple objectives including: (1) recovering the costs of capital investment over the useful life of the capital assets; (b) minimizing the impact of the capital programs on water and sewage revenue requirements; (c) protecting and enhancing the Department's financial position; and (d) minimizing financial impacts through orderly phased implementation. The potential funding source identified for each project is subject to change based upon the systems need and financial resources available at the time.

### 1.2. Internal Development Process

The CIP development process begins in the fall of each year. The Finance Department's Asset Management Group sends out CIP request packages and instructions to the Executive Management Team requesting submission of projects and updates to existing projects. The packages are due back late October then compiled for further internal reviews and financial analysis. Projects are prioritized based on historical trends for those assets as well as service levels. Once developed the CIP is introduced to the BOWC Committees for further review and final approval.

### 1.3. Project Status Description

A status is assigned to each project within the CIP to show the high level progress from planning to completion. Some projects are divided into multiple phases or categories based upon the contract type. As such, each phase of a multiple phase project will have its own status and contract number. Descriptions of each particular status are provided in Table I-1.

Table I-1. Project Status Descriptions

Project Status	Description
<b>New</b>	Project that has never been included in a previous CIP.
<b>Not Yet Started</b>	Project that has been included in the previous CIP, has never had expenditures charged to it and does not have an assigned Oracle Fusion Project Number. Pre-development planning or preliminary engineering in progress.
<b>Under Procurement</b>	Project that has an assigned Oracle Fusion Project Number and has not been issued a Notice to Start Work. Detailed design completed.
<b>Active</b>	Project that has an assigned Oracle Fusion Project Number in the financial system, a Notice to Start Work has been issued, had expenditures in the last fiscal year and has projected expenditures of more than \$100,000 in the current fiscal year. Construction is active or implementation started.
<b>On-Hold</b>	Project that has been suspended, may or may not have an assigned Oracle Fusion Project Number, experienced expenditures or no expenditures in the previous fiscal year(s), and/or has no projected expenditures in the current fiscal year or future fiscal years.
<b>Pending Close-out</b>	Project that has an assigned Oracle Fusion Project Number, a Notice to Start Work has been issued, has projected expenditures for the current fiscal year equal to \$100,000 or less - with no future projected expenditures and has reached substantial completion.

## 1.4. Project Categories

Some construction projects are broken up into several phases related to how the particular project will be delivered and managed. Categories may be grouped to align with work to be performed within each individual phase. Individual categories are identified and named below, however, in reality several categories may exist for each phase. In this case, this implies the same vendor, under one contract, will be performing multiple categories of the overall project. The current project categories are identified below.

- S- Study
- D- Design
- C- Construction
- CA- Construction Assistance
- DB- Design and Build
- DBA- Design Build Assistance
- CM- Construction Management
- MOU- Memorandum of Understanding Agreements (coordination with other City of Detroit departments, utilities or other agencies)
- PO- Purchase Order

### CIP Types

Multiple CIP types are necessary to distinguish the differences in intent of how a particular CIP is to be used. This CIP contains three primary CIP types; Project, Program and Allowance. A typical project that has a specific scope and timeframe is considered a Project. Whereas Programs and Allowances do not have specifically developed scopes and typically extend over many years. Allowances are necessary for utility operations due to the unanticipated nature of pipeline and equipment failures that require immediate repair and rehabilitation to continuously meet

level of service requirements. Table I-2 CIP Types defines each CIP type.

Table I-2. CIP Types

CIP Type	Description
<b>Project</b>	A "Project" consists of the replacement and/or rehabilitation of specific capital assets within a finite timeframe and scope.
<b>Program</b>	A "Program" consists of the replacement and/or rehabilitation of specific capital assets on an ongoing or recurring basis. The program scope and/or projected expenses may vary from year-to-year depending on the needs identified within the program and as newly established programs develop consistent schedules, requirements and history over time. Although not typically identified in the CIP futures years projected expenses, these programs will typically be funded in perpetuity.
<b>Allowance</b>	An "Allowance" consists of unanticipated replacement and/or rehabilitation of currently unidentified capital assets. Engineering studies, evaluations, testing, construction assistance directly related to the unforeseen replacement or rehabilitation are also included in the projected expenses.

# Capital Improvement Plan

## Approval Process

The CIP development and approval process begins with the approval of the previous year's CIP. The CIP process is a substantial level of effort that involves many people throughout the Department. Modifications, adjustments and improvements are being continuously considered and vetted internally and externally, in coordination with other City of Detroit agencies, utilities, or other system customers. Projects and programs that ultimately get funded within the CIP are typically identified based upon master planning or condition/need assessment efforts. Projects also are identified internally based upon the needs of engineers, operations or maintenance staff. The process typically begins in the fall of each year where project managers review project needs through the completion of the Capital Improvement Plan Project Proposal (CIPPP). CIPPP's are due to the Chief Engineer by the end of October. At this time, the Chief Engineer will make requests to Finance to issue CIP numbers for each project that can be added as new projects to the CIP. Preparation of a draft of the CIP and back-up documentation is reviewed internally with Management, and other city agencies as required. DWSD's CIP upcoming capital budget is submitted to the City of Detroit, Office of the Chief Financial Officer in November for presentation to the Detroit City Council for the City's five year CIP Budget.

The Preliminary Draft CIP is introduced to the BOWC no later than its February Capital Improvement Committee meeting. An approval version of the CIP is presented to the BOWC by its May meeting. In accordance to the Lease Agreement with GLWA the DWSD preliminary draft CIP is submitted to the GLWA Chief Planning

Officer and Manager of Capital Programs on February 1. If necessary an updated version will be adopted by the BOWC at its February meeting, and a final CIP document will be submitted to GLWA on March 1. At this point, it is expected that the CIP approval process coincides with the overall budget development process.

## Financial Plan Introduction

The Fiscal Year 2022-2026 CIP is planned for approval submission to the Board in May 2021. The following table details the planned expenditures and the projected funding sources for the Fiscal Year 2022-2026 CIP. Expenditures are focused on replacement, installation and/or abandonment of existing water mains, replacement of inoperable fire hydrants, rehabilitation of sewer systems, management of storm water with green infrastructure, upgrades to information technology systems, replacing aging equipment and vehicles, as well as rehabilitation of facilities that support the operation of the utility. The Department will finance its ongoing CIP with proceeds of existing bonds, future bond issues by the GLWA on behalf of DWSD, lease payments from GLWA, federal and state grants, loans and revenues of the Water Supply and Sewer System.

The DWSD CIP financing plan balances a number of objectives to support the Departments' mission to efficiently deliver the best retail water and sewer services in partnership with our customers through excellence in service and collaboration. Those objectives include the following.

- ✓ Working with a cross-functional team, identify and fund prioritized capital improvements to ensure a sustainable system.
- ✓ Recover the costs of capital investment over the useful lives of the capital assets.
- ✓ Minimize the financial impact of the capital programs on system customers.
- ✓ Protect and enhance the Departments' financial position.

The DWSD works with the Authority to draw upon four sources of revenue for its capital improvement plan.

1. **Bond Proceeds:** The Authority uses an incremental method of funding long-lived capital projects through a bond financing program rather than funding all projects in advance. The Authority issues revenue bonds pursuant to Michigan Public Act 94 of 1933 (the Revenue Bond Act). The Act provides a pledge of "net revenues" for the payment of the bond principal and interest. "Net revenues" means the revenues of the system remaining after deducting the reasonable expenses of administration, operation, and maintenance of the system.
2. **Revenue Financed Capital:** Based upon ongoing expense, capital, and revenue optimization efforts, the DWSD is able to build reserves to fund pay-as-you go capital for shorter-lived and lower-dollar capital expenditures.
3. **Federal Loan Programs:** The Authority's sources of funding includes lower cost financing programs including the State Revolving Fund (SRF) Loan program and the Drinking Water Revolving Fund (DWRF) Loan program. The lease agreement with the City of Detroit provides for use of SRF and DWRF for the benefit of the City of Detroit Local System. While the Authority is responsible for the debt

service on bonds issued to finance capital improvements to the DWSD Local Water and Sewer System, the annual principal and interest requirements are included in the revenue requirements assigned to the City of Detroit retail customer class.

4. **Grants:** The DWSD utilizes public grants programs such as those available from the Environmental Protection Agency, Housing and Urban Development, as well as nonprofit organizations who fund programs in partnership with DWSD through the Detroit Economic Growth Corporation. DWSD will continue to pursue opportunities which meet the mission of the organization to provide safe drinking water, reliable customer service and environmental integrity.

To ensure proper accountability of funding sources and uses, the Department utilizes two funds for its capital program for each system: the Construction Bond Fund and the Improvement & Extension (I&E) Fund.

- ✓ **Construction Bond Fund:** This fund represents the proceeds of bond issuances for the purposes of financing capital improvements.
- ✓ **Improvement & Extension Fund:** I&E fund is defined by the Water and Sewer Service Agreements as the "fund used for improvements, enlargements, extensions or betterment" of the System. Cash receipts of the Department are transferred into the I&E Fund pursuant to a flow of funds after commitments are met for a monthly allocation of System operations and maintenance expense, debt service, pension, water residential assistance program, budget stabilization fund, and extraordinary repair and replacement fund as administered by a trustee.

It should be noted that the basis of accounting for the CIP is the accrual basis. Under this basis of accounting, revenues are recognized when earned and measurable regardless of when collected; and expenses are recorded, or accrued, on a matching basis when incurred. Accrued expenses are expected to be paid in a subsequent accounting period. For purposes of this CIP, expenses and expenditures are used interchangeably.

## Summary CIP Financial Plan Review & Analysis

The FY 2022 – FY 2026 capital improvement plan provides for \$222 million of water system improvements and \$205 million of sewer system improvements over the five-year planning cycle.

TABLE II-1. CIP CATEGORIES

Category Summary	% of 5-Year Spend	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total 5-Year 2022-2026
<b>Water Main</b>	32%	\$ 42,985	\$ 49,880	\$ 41,154	\$ 20,850	\$ 15,750	\$ 10,750	\$ 138,384
<b>Sewer Line Replacemen</b>	30%	\$ 28,367	\$ 46,918	\$ 32,525	\$ 21,025	\$ 14,000	\$ 14,000	\$ 128,468
<b>CIPMO</b>	1%	\$ 8,280	\$ 5,590	\$ -	\$ -	\$ -	\$ -	\$ 5,590
<b>Green Infrastructure</b>	12%	\$ 12,470	\$ 15,848	\$ 11,755	\$ 8,878	\$ 9,995	\$ 6,995	\$ 53,471
<b>Central Services</b>	7%	\$ 23,912	\$ 12,814	\$ 6,735	\$ 3,000	\$ 3,000	\$ 3,000	\$ 28,549
<b>Meters/ Fire Hydrants</b>	5%	\$ 8,767	\$ 3,526	\$ 12,160	\$ 3,865	\$ 1,000	\$ 1,000	\$ 21,551
<b>Repair/Restoration</b>	12%	\$ 20,973	\$ 18,333	\$ 12,000	\$ 12,000	\$ 9,200	\$ 1,000	\$ 52,533
	100%	\$ 145,754	\$ 152,909	\$ 116,329	\$ 69,618	\$ 52,945	\$ 36,745	\$ 428,546
<b>Water</b>	59.1%	\$ 86,080	\$ 79,628	\$ 67,782	\$ 36,315	\$ 25,970	\$ 13,250	\$ 222,945
<b>Sewer</b>	40.9%	\$ 59,674	\$ 73,280	\$ 48,548	\$ 33,303	\$ 26,975	\$ 23,495	\$ 205,601
	100.0%	\$ 145,754	\$ 152,909	\$ 116,329	\$ 69,618	\$ 52,945	\$ 36,745	\$ 428,546

## The Project Process

### Project Identification

Currently, projects to be considered for inclusion in each year of the CIP are identified by the subject matter expert engineers, project managers or operations managers. These engineers and managers utilize available institutional knowledge, data, operations and maintenance reports, need and condition assessments and master plans to identify the project need. Many come from projects that are already in the planning process or have been designed but not yet constructed. Others were recommended by staff or chosen based on work being planned by the public works, planning, parks and recreation, or the housing and revitalization departments in the City of Detroit. Some are driven by regulatory requirements. Some originated from several sources.

### Project Proposals

DWSD has a CIP project proposal template which is used to provide the background/history for the project, proposed and alternative solutions, along with the budget and schedule for a project. The process by which projects are submitted and evaluated for inclusion in the CIP has been revamped under CS-1812 CIPMO. DWSD now manages all of its water and sewer CIP works through cloud based platform, e-Builder; with all program related tracking information, key performance indicators and documents submittals done in this project management information system. Over the next fiscal year, DWSD intends to have all other divisions manage their CIP within e-Builder.

In addition, the CIPMO in conjunction with the Field Services PMO has developed an asset management program for DWSD to use to select and prioritize projects for inclusion in the CIP. This ability to forecast the tentative assessment, design and construction

timelines for neighborhoods is a valuable piece of the information sharing done under the Infrastructure Coordination Team, which consists of other City of Detroit Agencies (e.g. DPW) and private sector utilities (e.g. DTE).

### Project Prioritization

In the 2021-2026 CIP, projects are prioritized based on a risk model that provides a data-driven quantitative framework for both water and sewer assets, ensuring that risk assessments are defensible, consistent, and repeatable. Asset risk is computed and then aggregated on a neighborhood basis. Finally, priority neighborhoods are selected by overlaying neighborhood risk with strategic and planning-level criteria (external factors) such as Strategic Neighborhood Fund (SNF) areas, Department of Public Works (DPW) projects, federally funded projects, and previous Capital Improvement Program Management Organization (CIPMO) work. The risk model will continue to evolve over time, reflecting improvements in existing data and new data sources as well as changes due to DWSD's desired representation, understanding, and tolerance of business risk.

With respect to green stormwater infrastructure, a variety of factors are used to determine the priority of a project. This includes, reports of street flooding, basement backup claims data, community engagement/neighborhood participation, and site location. As of this CIP, projects in the Upper Rouge Tunnel have a higher priority than those in other areas of the city.

Inherent in the prioritization process is the ability to leverage dollars in an efficient way. Thus, when and where possible projects may be worked into the capital construction programs of DPW, DTE, or other agencies such as Wayne County and the State of Michigan Department of Transportation.

## Capital Improvement Projects

The DWSD CIP is organized by three categories: water system, sewer system, and centralized services. Projects in the water category are primarily for water main replacements, residential metering and the fire hydrant replacement program. Projects in the sewer category include rehabilitation of the sewer infrastructure and green stormwater infrastructure. Centralized services are allowances that facilitate improvements that benefit the support of both the water and sewer business with the purchase of fleet and heavy equipment, rehabilitation and improvements to facilities, and information technology upgrades to facilitate operations and implementation of the capital programs. The following pages provide an overview of the projects types in each category and individual project descriptions for most of the projects in this CIP.

There are 41 projects listed in the water portion of this CIP. This includes 33 Field Services projects and programs, 4 water meter replacement related program, a fire hydrant replacement program, and 3 Central Services projects. Following this explanatory portion is a list of the projects with estimated costs, a set of maps displaying locations where the work for the projects will take place, and a list of the locations of the projects on the map.

### Water Field Services

On the following pages, there are maps which denote the water main replacement projects in this year's CIP. DWSD has 5 active construction contracts, two of which will be completed before FY22 begins. These projects at their completion will result in the reconstruction of nearly 20 miles of water main. There are 4 projects in the procurement phase which at their completion will result in the reconstruction of 22 miles of water main.

In addition, there are 200 miles of pipe that are being evaluated for inclusion in future construction contracts. Of this, 75 miles are designed but may not meet all the criteria to warrant replacement at this time. The remaining 125 miles are segments of main submitted by the Field Services Maintenance and Repair Division for replacement or have been submitted by DPW as roads that will be resurfaced in the 2021 and 2022 construction season. Once awarded, DWSD will use a consultant engineering firm, Contract CS-1921, to design water mains. Based on previous project sizes, DWSD anticipates the new water main replacement contracts identified to begin in FY22 and beyond to replace 20 miles of water main annually.

Contract CS-1812 as discussed previously, will accelerates the renewal rate of water main replacement to 30 to 45 miles per year. The pilot areas that are being evaluated by the CIPMO are also shown in the following pages.

### Customer Meter Replacement Program

DWSD replaces customer meters annually. There are more than 200,000 meters in the DWSD service area. Meters range in size from 5/8" to 24" in diameter. Meters are replaced for a variety of reasons, including failure due to age or other malfunctions. Meters generally have a life expectancy of 10 to 20 years, but this varies based on the volume of water that passes through the meter, which increases the wear and tear on the mechanical components. Thus decreasing the accuracy of the meter, which in turn becomes non-revenue water. It is in DWSD's interest to proactively schedule planned replacement of meters and associated equipment to

ensure accurate billing for water consumed. This also improve the accuracy of sewer billings as well.

DWSD will be working with Itron to ensure the use of new metering technologies such as remote shut off can be utilized in the new system, this could reduce operations and maintenance cost associated with locating the curb stop to terminate service. This would ultimately reduce surface restoration costs when a curb stop must be excavated to complete the shut.

### Fire Hydrant Replacement Program

In FY17 DWSD began the implementation of a robust fire hydrant inspection, repair and replacement program in a partnership with the Detroit Fire Department (DFD). This program has resulted in DWSD replacing approximately 150 hydrants each year that are found inoperable from DFD conducting inspections. This program allowed DWSD to test the integration of the Geographic Information System (GIS) with the Work Asset Management (WAM) system and institute a paperless repair and replacement process. With this program, less than 3% of the 30,000 hydrants within the city are in need of repair. This program is also one component of the city's project to improve the city's Insurance Services Office (ISO) fire protection score. The City of Detroit received an ISO rating of Class 04 in 2015 and as a result of the cooperation and partnership between the two departments, the City of Detroit received an ISO rating of Class 02 in 2018.



**TABLE III-1. WATER CIP PROJECTS**

Total estimated cost (1000's)

**Water Project List 2022-2026 CIP**

Description	Status	Source of Funds	2021-22	2022-23	2023-24	2024-25	2025-26	2022-2026 CIP Total	Percent of CIP
WS-703 Water Main Replacement (33,820 LF)	C	I&E	-	-	-	-	-	-	0.0%
WS-704 Water Main Replacement -along Outerdr	C	Bond	-	-	-	-	-	-	0.0%
<b>WS-705</b> Water Main Replacement-2-sections	C	Bond	-	-	-	-	-	-	0.0%
<b>WS-706</b> Water Main Replacement Wayne Co. Roa	C	Bond	-	-	-	-	-	-	0.0%
<b>WS-707</b> Water Main Replacement- (20,000LF)	C	Loan (DWRf)	-	-	-	-	-	-	0.0%
<b>WS-710</b> Water Main Replacement-Incl Wayne Co	A	Loan (DWRf)	200	-	-	-	-	200	0.1%
<b>WS-711</b> Water Main Replacement-Incl Jefferson Stree	A	Loan (DWRf)	4,200	1,814	-	-	-	6,014	2.7%
<b>WS-712</b> Water Main Replacement-Cornerstone Village	A	I&E/Bond	7,630	3,690	-	-	-	11,320	5.1%
<b>WS-713</b> Water Main Replacement-Jefferson/Chal	N	DWRf	7,500	7,250	-	-	-	14,750	6.6%
<b>WS-714</b> Water Main Replacement-MDOT Streetsc	C	DWRf	-	-	-	-	-	-	0.0%
<b>WS-715</b> Pilot Areas-Riverdale, Minock, Miller & Rosedale	N	DWRf/I&E	6,900	7,000	2,100	-	-	16,000	7.2%
<b>WS-718</b> WM New Center Commons & Virginia Par	P	DWRf/I&E	2,300	-	-	-	-	2,300	1.0%
<b>DWS-907</b> Watermain & Sewer Rehab- North Rosedale	A	I&E/Bond	5,000	-	-	-	-	5,000	2.2%
<b>WS-720</b> Watermain Replacement-Various Streets	N	I&E/Bond	3,100	6,000	3,000	-	-	12,100	5.4%
<b>WS-721</b> Lead Service Line Replacement	N	I&E/Bond	6,000	5,000	-	-	-	11,000	4.9%
<b>WS-723</b> Lead Service Line Replacement for Settlements	N	Grant/Legal Settlements	800	200	-	-	-	1,000	0.4%
<b>WS-725</b> Watermain Replacement-Medical Ctr, Cultural Ctr & Midtown 30,000LF	N	DWRf/Bond	-	4,000	5,000	5,000	-	14,000	6.3%
<b>WS-702</b> Repair & Replacement of Water Mains	A	I&E	-	-	-	-	-	-	0.0%
<b>WS-708</b> Repair of Water Mains	A	I&E	-	-	-	-	-	-	0.0%
<b>WS-717</b> Repair & Replacement of Water Mains (w	N	I&E	3,500	2,500	3,000	3,000	-	12,000	5.4%
<b>WS-719</b> Repair of Water Mains (WS-708/WS-702A	N	I&E	5,000	3,500	2,000	2,000	-	12,500	5.6%
<b>DWS-902</b> Repair of Pavement (break repair)	A	I&E	1,920	-	-	-	-	1,920	0.9%
<b>DWS-904</b> Repair of Lawns (break repair)	A	I&E	1,500	-	-	-	-	1,500	0.7%
<b>DWS-919</b> (replace DWS-902)	N	I&E	5,100	5,100	5,100	2,720	-	18,020	8.1%

C = Closed, A = Active, P = Procurement, N = New, H = On Hold

Total estimated cost (1000's)

Water Project List 2022-2026 CIP

(Cont'd)

Description	Status	Source of Funds	2021-22	2022-23	2023-24	2024-25	2025-26	2022-2026 CIP Total	Percent of CIP
PC-808 West Warren (Constance at Rouge Park/Tireman Sawyer PH III)	P	Bond	4,000	4,200	-	-	-	8,200	3.7%
CS-1909A-Condition Assessments-High Priority Neighborhoods	P	I&E	250	-	-	-	-	250	0.1%
CS-1921 Watermain/Sewer Design	P	I&E	1,000	1,000	1,000	-	-	3,000	1.3%
CS-1923 Third Party Inspection (Water & Sewer)	N	I&E	750	750	750	-	-	2,250	1.0%
CS-1947 Condition Assessment Sherwood Forest,	N	I&E	250	250				500	0.2%
CS-1812 Professional Engineering and Construction Services for CIPMO	A	I&E/Bond	2,795	-	-	-	-	2,795	1.3%
Construction Program Management Allowances	N	I&E	-	-	1,000	750	750	2,500	1.1%
Watermain Program Allowances	N	I&E	-	-	8,000	10,000	10,000	28,000	12.6%
PC-803B Meter Installation	A	I&E	700	700	-	-		1,400	0.6%
Water Meter Replacement Program	A	I&E	451	750	750	750	750	3,451	1.5%
Fire Hydrant Replacement Program	A	I&E	250	250	250	250	250	1,250	0.6%
CS-1925 Itron Migration -MIU Replacement	A	I&E/Bond	1,800	9,900	1,750	-	-	13,450	6.0%
CS-1926 Itron Migration Project Management	A	I&E	325	560	1,115	-	-	2,000	0.9%
Vehicle, Heavy Equipment, and Equipment Purchase	A	I&E	682	750	500	500	500	2,932	1.3%
Information Technology	A	I&E	1,965	1,618	500	500	500	5,082	2.3%
Facility Improvement Allowance	A	I&E	3,761	1,000	500	500	500	6,261	2.8%
<b>TOTALS</b>			<b>79,628</b>	<b>67,782</b>	<b>36,315</b>	<b>25,970</b>	<b>13,250</b>	<b>222,945</b>	<b>100.0%</b>

C = Closed, A = Active, P = Procurement, N = New, H = On Hold

## Sewer

There are 40 projects listed in the Sewer portion of this CIP. This includes 11 Green Infrastructure projects and programs, 26 Field Services projects and programs, and 3 Central Services projects and programs. Following this explanatory portion is a list of the projects with estimated costs, a map displaying locations of Green Infrastructure projects, and descriptive sheets for Green Infrastructure projects.

### Sewer Field Services

DWSD has rehabilitated 15% of the 3,000 miles of sewer infrastructure through the non-invasive method of lining. In two previous fiscal years, the rate of renewal of the sewer infrastructure decreased due to financial constraints. With the execution of the lease agreement with GLWA, DWSD issued a new contract valued at \$20 million annually to rehabilitate the sewer system. Tasks are selected for the contractor based on water in basement claims and complaint data, as well as reports of cave-ins and sinkholes. The contractor will inspect via physical or robotic means and provide photo or video evidence of the results. The contractor will also submit a report with recommendations for rehabilitation of the sewer and manholes. DWSD will review all results and reports and issue a notice to proceed with the work as approved by the project engineer.

### Combined Sewer Overflow (CSO) Control

#### GREY CSO CONTROL

GLWA operates all wet weather (combined sewer overflow) facilities and associated appurtenances which serve DWSD and other Authority customers. There are 6 retention treatment basins

and 3 screening and disinfection facilities. Of these only one facility, the Belle Isle CSO, solely serves the City of Detroit. Any grey CSO control projects will be found in the GLWA CIP document. DWSD's share of the cost for projects is allocated in the annual charges assigned by GLWA to its customers. Based on the 1999 Rate Settle Agreement, DWSD customers pay 83% of the cost for CSO facilities deemed to primarily serve the City of Detroit; with the exception of the Belle Isle CSO facility of which the cost is borne 100% by Detroit ratepayers.

#### GREEN STORMWATER INFRASTRUCTURE FOR CSO CONTROL

In 2008, DWSD was set to construct a tunnel to parallel the Rouge River to provide storage of combined sewage to eliminate untreated discharges. However due to financial constraints, the nearly \$1 billion tunnel project was replaced with a \$50 million GSI program. The issuance of the March 2013 NPDES Permit resulted in a commitment by DWSD to implement green stormwater infrastructure in the Upper Rouge Tunnel area of Detroit. The permit requires a \$30 million investment by 2019 with the remaining \$20 million investment completed by 2029.

The permit also includes a goal to remove 2.8 million gallons of stormwater from the combined sewer system. To date, projects implemented by DWSD, designed to manage the 2-year, 24-hour event (i.e. 2.34" of rainfall), have removed about 1.5 million gallons of stormwater in the URT. City wide, removal of impervious cover via demolitions and construction of GI practices on private property in conjunction with DWSD projects is estimated to remove 3 billion gallons of stormwater from the system annually.

In previous years, the DWSD CS-1522 GI Program Manager has issued the construction contracts for projects; however, in an effort to meet the spending requirements of the permit, DWSD will bid and award the remaining projects. Descriptions of both active construction projects and those in the design phase which will be procured this fiscal year are provided on the pages that follow.

Woodmere. GLWA operates and maintains these pump stations via a shared service executed with DWSD. At this time, the need for capital investments in these facilities has not been identified. Upon receipt of the annual maintenance report from GLWA, DWSD will determine needs and program projects accordingly.

## Pump Stations

There are four wastewater pump stations which service the City of Detroit only; (1) Belle Isle, (2) Bluehill, (3) Fischer, and (4)

Table III 6. Sewer Projects

Total estimated cost (1000's)

Sewer Project List 2022-2026 CIP

Description	Status	Source of Funds	2021-22	2022-23	2023-24	2024-25	2025-26	2022-2026 CIP Total	Percent of CIP
DWS-903 Inspection and Rehabilitation of Sewers City Wide	A	I&E/ Bond	7,000	-	-	-	-	7,000	3.4%
DWS-907 North Rosedale Park	A	Bond	3,000	-	-	-	-	3,000	1.5%
DWS-908 Cornerstone Village Sewer Rehab	A	Bond	2,693	-	-	-	-	2,693	1.3%
DWS-909 Sewer Condition assessments throughout City	C	I&E	-	-	-	-	-	-	0.0%
DWS-910- Sewer Condition Assessments High Priority	C	I&E	-	-	-	-	-	-	0.0%
DWS-916 Sewer Improvements in High Priority Neighborhoods	A	SRF	2,600	-	-	-	-	2,600	1.3%
DWS-917 Sewer Improvement in Riverdale	N	SRF	5,000	4,800	300	-	-	10,100	4.9%
DWS-918 Sewer Improvements in Rosedale	N	SRF	4,450	450	-	-	-	4,900	2.4%
DWS-920 Inspection and Rehabilitation of Sewers City Wide (Replace DWS-903)	N	I&E	3,000	8,000	4,000	-	-	15,000	7.3%
DWS-921 Electrical Monitoring Upgrades at Belle Isle, Woodmere, Fischer Sewage Pump Stations	P	I&E	200	200	200	-	-	600	0.3%
DWS-926 Sewer Condition Assessments - West Village, Southwest Detroit, Michigan-Martin	P	I&E	-	2,500	2,500	-	-	5,000	2.4%

C = Closed, A = Active, P = Procurement, N = New, H = On Hold

Total estimated cost (1000's)

Sewer Project List 2022-2026 CIP

Description	Status	Source of Funds	2021-22	2022-23	2023-24	2024-25	2025-26	2022-2026 CIP Total	Percent of CIP
DWS-931 Roofing Upgrades at Sewage Pump Stations	P	I&E	325	325	275	-	-	925	0.4%
DWS-932 Large Sewer Improvements: Riverdale & Rosedale	P	I&E/Bond	4,400	400	-	-	-	4,800	2.3%
DWS-933 Corktown Sewer	C	I&E			-	-	-	-	0.0%
DWS-937 Sewer Replacement	N	SRF/I&E	8,000	7,600	-	-	-	15,600	7.6%
DWS-938 Sewer Condition assessments throughout City (DWS-909)	N	SRF/I&E	2,250	2,250				4,500	2.2%
DWS-939 Sewer Condition Assessments High Priority	N	SRF/I&E	2,250	2,250				4,500	2.2%
Sewer Program Allowances	N	I&E	-	2,000	12,000	14,000	14,000	42,000	20.4%
CS-1812 Professional Engineering and Construction Services for Capital Improvement Program Management Organization	A	I&E	2,795	-	-	-	-	2,795	1.4%
DWS-902 Repair of Pavement (break repair)	A	I&E	75	-	-	-	-	75	0.0%
DWS-904 Repair of Lawns (break repair)	A	I&E	338	-	-	-	-	338	0.2%
DWS-919 (replace DWS-902)	N	I&E	900	900	900	480	-	3,180	1.5%
Repair and Maintenance Allowance	N	I&E	-	-	1,000	1,000	1,000	3,000	1.5%
CS-1921 Watermain/Sewer Design	N	I&E	1,000	1,000	1,000	-	-	3,000	1.5%
CS-1923 Third Party Inspection (Water & Sewer)	N	I&E	750	750	750	-	-	2,250	1.1%
CS-1522 Green Infrastructure Program Management	C	I&E	-	-	-	-	-	-	0.0%
PC-799 Crowell Rec Center and EcoSite Modifications	C	I&E	3	-	-	-	-	3	0.0%
PC-808 West Warren (Constance at Rouge Park/Tireman Sawyer PH)	N	I&E/Grant	10,040	7,650	6,280	3,995	995	28,960	14.1%
PC-808 Sewer Rehabilitation (Non GSI)	N	I&E	1,500	1,500				3,000	1.5%
PC-801A Oakman Blvd	A	I&E/ Bond	60	60	60	-	-	180	0.1%
PC-800 O'Shea Park	C	I&E	10	-	-	-	-	10	0.0%
PC-806 Charles H. Wright Academy	N	I&E	1,485	45	38	-	-	1,568	0.8%
North Rosedale (Edinborough)	N	I&E	-	-	-	-	-	-	0.0%
Capital Partnership Program	P	I&E	100	-	-	-	-	100	0.0%
Chandler Park Drive (CIPMP)	N	I&E	150	-	-	-	-	150	0.1%
Green Stormwater Infrastructure Construction Allowance	N	I&E	-	-	-	5,000	5,000	10,000	4.9%
CS-1884 Green Infrastructure Program Management	P	I&E	2,500	2,500	2,500	1,000	1,000	9,500	4.6%
Vehicle, Heavy Equipment, and Equipment Purchases	N	I&E	682	750	500	500	500	2,932	1.4%
Information Technology	N	I&E	1,965	1,618	500	500	500	5,082	2.5%
Facility Improvement Allowance	N	I&E	3,761	1,000	500	500	500	6,261	3.0%
<b>TOTALS</b>			<b>73,280</b>	<b>48,548</b>	<b>33,303</b>	<b>26,975</b>	<b>23,495</b>	<b>205,601</b>	<b>#####</b>

## Information Technology

Descriptions	Type		2020-21	2021-22
<b>Security</b>				
<b>CS-1933</b> Video Security System Upgrades	Software	Addition	150,000	\$ 240,000
<b>Customer Service</b>				
<b>CS-1917</b> EnQuesta Upgrade	Software	Software Maintenance	700,000	\$ 200,000
<b>Operations</b>				
Collaboration Software for Drainage & Records Management	Software	New Software Implementation	190,000	\$ 190,000
<b>DWS-928</b> GPS for vehicles	Hardware/Equipment	New Hardware/Equipment Implementatio	110,000	\$ 564,000
Misc. Equipment for AssetWorks	Hardware/Equipment	New Hardware/Equipment Implementatio	50,000	\$ 50,000
Itron Replacement (staffing support)	Other IT Implementatio	CIP IT STAFFING	600,000	\$ 600,000
<b>CS-1952</b> Oracle Supply chain Management	Other IT Implementatio	New Other IT Implementation Implementa	800,000	\$ 800,000
<b>Information Technology</b>				
Desktops	Hardware/Equipment	Hardware	175,000	\$ 50,000
Laptop Charging Stations	Hardware/Equipment	Hardware	25,000	\$ 5,000
Laptops	Hardware/Equipment	Hardware	216,000	\$ 10,000
Rugged Tablets/Laptops	Hardware/Equipment	Hardware	100,000	\$ 20,000
Tablets	Hardware/Equipment	Hardware	154,000	\$ 50,000
Low Voltage Wiring	Hardware/Equipment	New Hardware/Equipment Implementatio	750,000	\$ 200,000
Phone System Migration to Avaya	Hardware/Equipment	New Hardware/Equipment Implementatio	20,000	\$ 20,000
Printers	Hardware/Equipment	Hardware	30,000	\$ 30,000
Cityworks/AssetWorks/Records Impleme	Other IT Implementatio	New Other IT Implementation Implementa	900,000	\$ 400,000
<b>CS-1941</b> GIS Update As-Built Drawing Upg	Other IT Implementatio	New Other IT Implementation Implementa	-	\$ 500,000
			-	
<b>Total</b>			<b>\$ 8,487,200</b>	<b>\$ 3,929,000</b>

## Vehicle, Heavy Equipment, and Equipment

Descriptions	Type	QTY	Estimated Unit Cost	2021-22
<b>Meter Operations</b>			<b>45,000</b>	
F-350 Super Duty	Truck	1	45,000	45,000
<b>Field Services Operations</b>			<b>780,000</b>	
F150	Truck	2	45,000	90,000
F-450 Super Duty	Utility Truck	2	125,000	250,000
F-550 Super Duty	Utility Truck	2	130,000	260,000
Mini-Excavator	Backhoe	1	150,000	150,000
Trailers for Mini Excavator	Trailer	1	30,000	30,000
<b>Fleet Operations</b>			<b>539,000</b>	
SUV	Vehicle	2	32,000	64,000
Pool Vehicles	Vehicle	3	35,000	105,000
Golf Cart	Vehicle	1	15,000	15,000
F150	Truck	5	45,000	225,000
Passenger Vehicles	Vehicle	2	25,000	50,000
Confined Space Tripod	Equipment	2	12,500	25,000
Tampers/Compactors	Equipment	2	5,000	10,000
Underground Locators	Equipment	2	7,500	15,000
Pole Cameras	Equipment	2	15,000	30,000
<b>Total</b>				<b>1,364,000</b>

## FY 2022 Facility Improvements

Descriptions	Type	QTY	Unit Cost	2021-22
<b>Roofing</b>				
CSF/West/MOB	Roof replacement			3,000,000
<b>Heating Units</b>				
CSF	HVAC Units	10	150,000	500,000
West Payment	HVAC Rooftop Unit Replacement	2	15,000	30,000
MOB	Steam Improvements			15,000
MOB	Heat Improvement - Car Elevator area			36,000
Misc. HVAC Improvements	Auto Garage - Extra large Fans	6	20,000	120,000
<b>Garage Door Replacement</b>				
DWS-926 Overhead Doors CSF/ West Yard	Fabric Door Replacement	10	25,000	200,000
<b>Interior Improvements</b>				
Build Out	Interior Space Improvements			300,000
DWS-914 Flooring	Interior West Yard	10	100,000	250,000
Flooring	Exterior West Yard			150,000
2nd Floor Admin-Buildout	Design/Feasibility			50,000
DWS-927 Bathroom Improvements (Covid)	Design/Feasibility			150,000
<b>Parking Lot Improvements</b>				
LED Lights	Yards/Garage			200,000
Gate Operator	CSF & West Yard			20,000
Detroit Building Authority (DBA)	Consolidation, Renovations & Improvements			2,500,000
<b>Total</b>				<b>\$ 7,521,000</b>

## Appendices

### **APPENDIX A – PROJECT DESCRIPTIONS**

### **APPENDIX B – MAPS OF CIP PROJECT BY COUNCIL DISTRICT**

### **APPENDIX C – STREET TABLE OF CIP PROJECTS**

# APPENDIX A

# PROJECT DESCRIPTIONS

CIP#1322

## WS-703 Water Main Replacement

**Status:** Closed

**Significance:** Water main replacement

**Location:** Various

**Scope of Work:** Water main replacement at various locations in Detroit’s west side. The work includes Oakman Blvd from Grand River to West Chicago, a length of residential water main adjacent to the St. John Hospital at McNichols and Schaefer, water main along Outer Drive from Grandville eastward through Southfield Freeway, Greenfield, and ending at Schaefer (Wayne County jurisdiction), Lahser from Seven Mile to Eight mile (Wayne County jurisdiction), and the water main along Outer Drive South of Plymouth adjacent to Rouge Park (Wayne County jurisdiction).

**Duration:** 850 Calendar Days (730 days plus change order added 120 days)

Final Project Cost	\$9,349,594	28,798LF
Watermain Replacement	6,277,754	28,798LF
Lead Service Line Replacement	293,030	3 LSLF
Restoration	1,801,790	-

### Project Cost Estimates

System	Status	Type	Start Date	Finish Date	Total Cost
Water	Closed	C	8/28/2017	12/31/2019	\$9,349,594

Street	Street Limit 1	Street Limit 2
W. Outer Drive	Plymouth	W. Chicago
W. Outer Drive	Whitcomb	Schaefer (North)
W. Outer Drive	Whitcomb	Schaefer (South)
W. Outer Drive	Rutherford	Winthrop (North)
W. Outer Drive	McNichols	Southfield (South)
W. Outer Drive	Southfield	Ferguson (North)
W. Outer Drive	Southfield	Ferguson (South)
W. Outer Drive	McNichols	Southfield (North)
W. Outer Drive	Greenfield	Whitcomb (South)
Stansbury	McNichols	Ardmore
Berg	Vassar	Leewin
Lahser	Seven Mile	Eight Mile
Oakman	Joy	Grand River
Algonac	Lappin	Manning

CIP#1322

## WS-704 Water Main Replacement – along Outerdrive

**Status:** Closed

**Significance:** Water main replacement along Outer Drive

**Location:** Outer Drive W, Vassar to Livernois

**Scope of Work:** Water main replacement along Outer Drive (Wayne County jurisdiction) from Vassar (north of Seven Mile and east of Schaefer) eastbound through Wyoming and ending at Livernois. Twenty thousand feet of mostly eight-inch water main (and 500 hundred feet of twelve- inch water main) replaced along both sides of Outer Drive.

Duration: 730 Calendar Days.

Final Project Cost	\$5,471,803	21,899LF
Watermain Replacement	\$4,083,032	21,899LF
Lead Service Line Replacement	\$8,316	-
Restoration	\$1,380,455	-

### Project Cost Estimates

System	Status	Type	Start Date	Finish Date	Total Cost
Water	Closed	C	2/5/2018	2/5/2020	\$5,471,803

Street	Street Limit 1	Street Limit 2
<b>North Side &amp; South Side</b>		
Outer Drive	Ward St	Sorrento St
Outer Drive	Sorrento St	Steel St
Outer Drive	Steel St	Appoline St
Outer Drive	Appoline St	Meyers Rd
Outer Drive	Meyers Rd	Manor St
Outer Drive	Manor St	Monte Vista St
Outer Drive	Monte Vista St	Pinehurst St
Outer Drive	Pinehurst St	Mendota St
Outer Drive	Mendota St	Birwood St
Outer Drive	Birwood St	Griggs St
Outer Drive	Griggs St	Ilene St
Outer Drive	Ilene St	Washburn St
Outer Drive	Washburn St	Wyoming Ave
Outer Drive	Wyoming Ave	Cranbrook Ave
Outer Drive	Cranbrook Ave	Cherrylawn St
Outer Drive	Cherrylawn St	Northlawn St
Outer Drive	Northlawn St	Roselawn St
Outer Drive	Roselawn St	Greenlawn St
Outer Drive	Greenlawn St	Woodingham St
Outer Drive	Woodingham St	Santa Barbara St
Outer Drive	Santa Barbara St	Pennigton St
Outer Drive	Pennigton St	San Juan Dr
Outer Drive	San Juan Dr	Prairie St
Outer Drive	Prairie St	Monica St
Outer Drive	Monica St	Santa Rosa Dr
Outer Drive	Santa Rosa Dr	Santa Rosa Dr
Outer Drive	Santa Rosa Dr	Stoepel St
Outer Drive	Stoepel St	Livernois Ave

CIP#1322

## WS-705 Water Main Replacement – Eastside and Westside, Select Locations

**Status:** Closed

**Significance:** Water main replacement at various locations in Detroit’s East and West side.

**Location:** Multiple

**Scope of Work:** Residential water main replacement at various locations in Detroit’s east and west sides. On the west side, water main replacement work is targeted for multiple streets in the Hubbell-Lyndon Neighborhood and Whitcomb from the Winship neighborhood. On the east side, replacement water main will be installed at various location in the Outer Drive-Hayes neighborhood and in Yorkshire Woods, Denby, and Moross-Morang.

**Duration:** 871 Calendar Days -730 days plus change order added 141 days

Street	Street Limit 1	Street Limit 2
Robson	Grand River	Chalfonte
Strathmoor	Vassar	Eight Mile
Marlowe	Grand River	Chalfonte
Mark Twain	Fenkell	Lyndon
Ardmore	Intervale	Lyndon
Whitcomb	Outer Drive	Curtis
Mckinney	Grayton	Morang
Britain	Cadieux	Mckinney
Nottingham	Berkshire	Whittier
Lanark	Morang	Morros
Prevost	Pembroke	Seven Mile
Rutherford	Pembroke	Seven Mile
Whitehill	Grayton	Morang
Riad	Morang	Moross
Parkgrove	Morang	Kelly

Final Project Cost	\$11,703,060	36,199LF
Watermain Replacement	\$7,230,577	34,949
Watermain Lining	\$542,000	1,250LF
Lead Service Line Replacement	\$1,449,095	330 LSLR
Restoration	\$2,481,388	-

System	Status	Type	Start Date	Finish Date	Total Cost
Water	Closed	C	8/13/2018	12/31/2020	\$11,703,060

CIP#1322

## WS-706 Water Main Replacement Wayne Co. Roads

**Status:** Closed

**Significance:** Replace existing water main along roadway within Detroit.

**Location:** Various

**Scope of Work:** Replacement of existing water main along mostly Wayne County roadway within Detroit and a few Detroit residential streets. The Wayne County streets are Tireman from Greenfield to Lodge (piping along the Detroit side of the Detroit/Dearborn municipal line), Warren Avenue from Parkland to Heyden (west side), Outer Drive from Dequindre to Mound (east side), and McNichols from Lodge to Schaefer (west side). The residential streets are a reach of Beaverland (north of Warren and west of Rouge Park), Stansbury (north of Outer Drive, west of Lodge), and Robson (south of Seven Mile and East of Greenfield). The overall work is replacement of 26,400 LF of mostly eight-inch and some twelve and sixteen-inch water main. Duration: 730 Calendar Days.

Street	Street Limit 1	Street Limit 2
West Warren Ave	Parkland	Heyden
Tireman	Greenfield	Hubbell
Robson	Curtis	Seven Mile
Stansbury	Outer Drive	Curtis
Beaverland	Sawyer	Tireman
East Outer Drive	Dequindre	Conley
McNichols	Schaefer	James Couzens

Final Project Cost	\$10,117,139	33,539LF
Watermain Replacement	7,643,224	33,539LF
Lead Service Line Replacement	128,059	190 LSLR
Restoration	2,345,856	-

### Project Cost Estimates

System	Status	Type	Start Date	Finish Date	Total Cost
Water	Closed	C	11/5/2018	6/31/2021	\$10,117,139

CIP#1322

## WS-707 Water Main Replacement – Select Streets Across Detroit

**Status:** Closed

**Significance:** Water main replacement in the MDOT jurisdiction

**Location:** Various

**Scope of Work:** Work includes Outer Drive north of Mack (Wayne County jurisdiction, east side), a residential street in Warrendale, four locations in northwest Detroit, and a pair of streets in central Detroit. Up to 20,000 LF of mostly eight-inch DI water main including two lengths of twelve-inch DI main are replacing the existing pipe.

**Duration:** 808 Calendar Days (730 days plus change order added 78 days)

Street	Street Limit 1	Street Limit 2
Pembroke Ave	Lodge Fwy	Biltmore Street
Fullerton Ave	Dexter Avenue	Petoskey Street
E Outer Dr	Waveney Ave	Wallingford St
Brace street	Warren Ave	Paul Ave
Coyle street	Fenkell ave	Grand River Ave
Codding street	Grand River Ave	Margareta Street
Margareta street	Codding Ave	Shiawassee Street
Whitcomb street	Pembroke Ave	Vassar Dr

<b>Final Project Cost</b>	<b>\$6,475,073</b>	XXXXXLF
Watermain Replacement	3,730,466	33,539LF
Lead Service Line Replacement	831,099	190 LSLR
Restoration	1,383,726	-
Provisional allowance	529,783	

### Project Cost

System	Status	Type	Start Date	Finish Date	Total Cost
Water	Active	C	4/15/19	6/30/21	\$6,475,073

This is a drinking water revolving fund project.

CIP#1322,

## WS-710 Water Main Replacement

**Status:** Active

**Significance:** Replacement of existing 8” through 12” Water main with 32,780 LF of 8” through 12” Ductile Iron Water Main along various streets of Wayne County right-of-way

**Location:** Schoolcraft, Five Points, West Chicago, Warren, Kelly Road, and Chandler Park Drive

**Driver:** Water main breaks are a frequent occurrence and they constitute a drain on the DWSD resources necessary to address these breaks, often times during inclement weather conditions. Water main breaks can also increase the potential public health risk from cross-connection contamination (bacteriological and/or chemical) resulting from reduced pressure or depressurized water mains during the repair.

**Scope of Work:** Replacement of 31,902 LF of 8” and 479 ft of 12” pipe with ductile iron water main and installed via trenching/open cut at select locations of Schoolcraft, Five Points, West Chicago, Warren Avenue, Chandler Park Drive, and Kelly Road. Includes lead service line replacements.

**Challenges:** Minimize disruption in neighborhood

### Project Cost Estimates

System	Status	Type	Start Date	Finish Date	Total Estimated Cost	Projected Expenditures by Fiscal Year				
						2021-22	2022-23	2023-24	2024-25	2025-26
Water	Active	C	7/27/2020	7/26/2022	\$9,126,360	\$200,000				

This is a drinking water revolving funded project

CIP#1322

## WS-711 Water Main Replacement

**Status:** Active

**Significance:** Replacement of existing six, eight, twelve-inch, and sixteen-inch water main including Gate Valves, Fire Hydrants, existing Lead (Pb) water services.

**Location:** Various across Detroit

**Driver:** Due to the age of these pipes, water main breaks are a constant occurrence and they constitute a drain on the DWSD resources necessary to address these breaks, often times during inclement weather conditions. Water main breaks can also increase the potential public health risk from cross-connection contamination (bacteriological and/or chemical) resulting from reduced pressure or depressurized water mains during the repair.

**Scope of Work:** Replacement of 41,079 LF of 8” to 16” water main with ductile iron pipe placed via trenching/open cut at various locations on E. Jefferson, Greenfield Road, Greenview, West Parkway, and the Northbound Southfield Service Drive including lead service line replacements.

**Challenges:** Minimizing disruption to neighborhoods.

### Project Cost Estimates

System	Status	Type	Start Date	Finish Date	Total Estimated Cost	Projected Expenditures by Fiscal Year				
						2021-22	2022-23	2023-24	2024-25	2025-26
Water	Active	C	7/27/2020	7/22/2022	\$12,978,108	\$4,200,000	\$1,814,000			

This is a drinking water revolving funded project

CIP#1349

## WS-712 Cornerstone Village Water (46,000 LF)

**Status:** Active

**Significance:** In-place rehabilitation/repair of existing water mains and associated assets

**Locations:** Cornerstone Village

**Driver:** Renew and rehabilitate Detroit infrastructure and neighborhoods based on CIPMO pilot study project

**Scope of Work:** Replacement or lining of approximately 46,000 linear feet of existing six, eight, twelve and sixteen-inch water main including gate valves, hydrants and replacement approximately 605 lead service lines. The project has an expected duration of 442 calendar days.

**Challenges:** Minimizing disruption to neighborhoods-

### Project Cost Estimates:

System	Status	Type	Start Date	Finish Date	Total Estimated Cost	Projected Expenditures by Fiscal Year				
						2021-22	2022-23	2023-24	2024-25	2025-26
Water	Active	C	12/2/2019	6/23/2022	\$18,630,333	\$7,630,000	\$3,690,000			

CIP#1349

## WS-713 Water Main Replacement - Jefferson Chalmers

**Status:** New

**Significance:** Water main replacement and rehabilitation within Jefferson Chalmers

**Locations:** Various streets within the Jefferson-Chalmers neighborhood of E. Detroit

**Driver:**

**Scope of Work:** Replacement or lining of existing water mains including gate valves, hydrants and replacement lead service lines. 121,000 LF of water main was assessed in 2018 with design work across 2019. The work is estimated as follows:

Pipe Bursting: 11,650 LF	DI pipe installation via trenching/open cut: 7,750 LF	Project Total: 36,730 LF
Horizontal Directional Drilling: 15,880 LF	Lining of existing 8-inch pipe: 1,450 LF	

The work also includes three canal crossings either as a HDD or Jack & Bore.

**Challenges:**

### Project Cost Estimates

System	Status	Type	Start Date	Finish Date	Total Estimated Cost	Projected Expenditures by Fiscal Year				
						2021-22	2022-23	2023-24	2024-25	2025-26
Water	New	D			\$15,000,000	\$7,500,000	\$7,250,000			

This is a drinking water revolving funded project

Expenditures listed in the cost table are from the FY spreadsheets downloaded to E-Builder in Nov 2019.

CIP#1322

## WS-714 Water Main Replacement - MDOT – Michigan Dept of Transportation (Grand River streetscape)

**Status:** Closed

**Significance:** Water main work along Grand River Avenue that is part of the MDOT streetscape work.

**Locations:** Grand River between Fenkell Ave to Marene Street

**Scope of Work:** A total of 25,100 LF of eight thru sixteen-inch DIWM is replacing existing six through sixteen-inch water main along both sides of Grand River from Fenkell Avenue to Marene Street just west of Lahser. The streetscape and water main work started in August 2019; water mains from the eastern limit of the work near Fenkell westward to Evergreen are complete. Remaining water main work will be completed NLT November 2020.

**Challenges:** This project is coordinated with MDOT in conjunction with their streetscape project along Grand River.

Street	Street Limit 1	Street Limit 2
Grand River North	Fenkell	Evergreen
Grand River South	Fenkell	Evergreen
Grand River North	Evergreen	W. McNichols
Grand River South	Evergreen	W. McNichols
Grand River North	W. McNichols	Berg
Grand River South	W. McNichols	Berg

Description	Net Actuals Paid
<b>Construction Phase</b>	<b>6,606,945.06</b>
Civil Work - Water	4,863,980.50
Hydrants	248,000.00
Restoration Work	1,462,172.56
Lead Service Line Replacement	32,792.00
Provisionary Allowance	0.00
	<b>6,606,945.06</b>

### Project Cost Estimates:

System	Status	Type	Start Date	Finish Date	Total Cost
Water	Closed	C	7/24/2019	12/31/2020	\$6,606,945.06

This is a drinking water revolving fund project.

CIP#1349

## WS-715 Watermain replacements West Side Neighborhoods - Riverdale, Minock Park, Miller Grove and Rosedale

**Status:** New

**Significance:** New water mains and associated infrastructures will enhance the integrity of DWSD’s water systems and ensure quality service to its customers

**Locations:** Various locations within the neighborhoods of Riverdale, Minock Park, Miller Grove, and Rosedale Park

**Driver:** The extensive history of Water Main leaks and breaks that have also exceeded their intended service life.

**Scope of Work:** Replacement or lining of approximately existing water main including gate valves, hydrants and replacement lead service lines. 591,000 LF of water main across all four neighborhoods have been condition assessed. The work across the neighborhoods are as follows:

Lining of Existing 8-inch mains: 4,400 LF	Horizontal Directional Drilling (HDD): 5,925 LF	Project total: 25,485 LF
Pipe Burst: 8,700 LF	Ductile Iron Pipe Installation via trenching/open cut: 6,460 LF	

**Challenges:**

**Project Cost Estimates:**

System	Status	Type	Start Date	Finish Date	Total Estimated Cost	Projected Expenditures by Fiscal Year				
						2021-22	2022-23	2023-24	2024-25	2025-26
Water	New	C	4/13/2021	4/12/2023	\$16,900,000	\$6,900,000	\$7,000,000	\$2,100,000		

This is a drinking water revolving funded project

CIP#

## WS-718 Watermain replacements for New Center Commons and Virginia Park

**Status:** Procurement

**Significance:**

**Locations:** Various Locations within neighborhoods of New Center Commons and Virginia Park

**Driver:**

**Scope of Work:** Replacement of approximately 9,516 linear feet of existing six, eight, twelve and sixteen-inch water main including gate valves, fire hydrants, approximately 1,575 linear feet of existing lead services, and all appurtenances required to complete the work. The Work across both neighborhoods are as follows:

Lining of Existing mains: none	Horizontal Directional Drilling (HDD): 5,580 LF	Project total: 9,516 LF
Pipe Burst: 1,272 LF	Ductile Iron Pipe Installation via trenching/open cut: 2,664 LF	

FYI: The scope of this project is smaller than a typical DWSD project, so has a duration of only one year.

**Challenges:**

**Project Cost Estimates:**

System	Status	Type	Start Date	Finish Date	Total Estimated Cost	Projected Expenditures by Fiscal Year				
						2021-22	2022-23	2023-24	2024-25	2025-26
Water	Procurement	C	12/9/2020	12/8/2021	\$4,290,000	\$2,300,000				

This is a drinking water revolving funded project

CIP#

## WS-720 Watermain Replacements – Various Streets

**Status:** New

**Significance:**

**Location:** Evergreen - Outer Drive, Grand River - St. Mary's, Grand River - I96, Warrendale, and Franklin Park neighborhoods of Detroit

**Driver:**

**Scope of Work:** Replacement of approximately 26,932 linear feet of existing six, eight, and twelve-inch water main including gate valves, fire hydrants, approximately 246 Lead (Pb) services at 14,106 linear feet in total, and all appurtenances required to complete the work. The Work across the neighborhoods is as follows:

Lining of Existing mains: none	Horizontal Directional Drilling (HDD): 14,906 LF	Project total: 26,932 LF
Pipe Burst: 4,857 LF	Ductile Iron Pipe Installation via trenching/open cut: 7,169 LF	

**Challenges:**

### Project Cost Estimates

System	Status	Type	Start Date	Finish Date	Total Estimated Cost	Projected Expenditures by Fiscal Year				
						2021-22	2022-23	2023-24	2024-25	2025-26
Water	New	C		-	\$12,100,000	\$3,100,000	\$6,000,000	\$3,000,000		

CIP#1349

## WS-721: Lead Service Line Replacement, Various Locations Throughout the City

**Status:** New

**Significance:** The City of Detroit has an estimated 80,000 + Lead (Pb) water services active within the municipal water system. Given the potential negative health impacts to water system customers, DWSD has been undertaking efforts in the replacement of these services. Per EPA and MI-EGLE requirements, Lead services are replaced from the water main all the way to the customer meter within their property (residence, commercial space, other). Normally, Lead replacements are integrated into water main replacement capital work, but not all water mains can be replaced over the next handful of years to capture all the outstanding Lead services. While the Lead services are expected to be within the older portions of Detroit, realistically, they can be located in any neighborhood, thus the scope of this project will be across the entirety of the Detroit water system.

**Locations:** Various

**Driver:**

**Scope of Work:** Replacement of Lead (Pb) water services of two-inches and less with Type K soft copper. Up to 2000 services will be replaced across several years with a combination of excavation and directional boring to minimize impacts upon customer properties.

**Challenges:**

**Project Cost Estimates:**

System	Status	Type	Start Date	Finish Date	Total Estimated Cost	Projected Expenditures by Fiscal Year				
						2021-22	2022-23	2023-24	2024-25	2025-26
Water	New	C	August 2021	August 2023	\$11,000,000	\$6,000,000	\$5,000,000			

CIP#

## WS-723 Lead Service Line Replacement

**Status:** New

**Significance:**

**Location:** Various individual addresses across Detroit

**Driver:**

**Scope of Work:** Replacement of Lead (Pb) water service lines from the existing water main to the customer meter. The water services will be placed through directional boring so as to minimize disruption to the private property and keep excavation work limited to the green space between the sidewalk and nearby road curb. This work will be expressly within the properties of the Land Bank, Bridging Neighborhoods and other City of Detroit agencies that deal with property ownership, transfer, and management. These offices will request work be done by DWSD and the City Agencies will reimburse DWSD through MOU's established prior to work.

**Challenges:**

### Project Cost Estimates

System	Status	Type	Start Date	Finish Date	Total Estimated Cost	Projected Expenditures by Fiscal Year				
						2021-22	2022-23	2023-24	2024-25	2025-26
Water	New	C	-	-	\$1,000,000	\$800,000	\$200,000			

CIP#

## WS-725 Watermain Replacements – Medical Ctr, Cultural Ctr, & Midtown 30,000LF

**Status:** New

**Significance:**

**Location:** Select water main replacement in the Midtown, Cultural Center, and Medical Center neighborhoods of Detroit

**Driver:**

**Scope of Work:** Water main replacement of approximately 63,000 LF of water main identified through field data gleaned through condition assessment work and subsequent evaluation of the networks through the DWSD Risk Assessment model.

**Challenges:**

### Project Cost Estimates

System	Status	Type	Start Date	Finish Date	Total Estimated Cost	Projected Expenditures by Fiscal Year				
						2021-22	2022-23	2023-24	2024-25	2025-26
Water	New	C	-	-	\$14,000,000	-	\$4,000,000	\$5,000,000	\$5,000,000	

CIP#O&M

## WS-702 Repair & Replacement of Water Mains

**Status:** Active

**Significance:** This is a hybrid contract with both repair and replacement work. The repair work is intended for emergency water main replacement without construction drawings.

**Location:** Various

**Driver:** During certain periods of the year, the DWSD experiences a significant increase in the number of water main breaks and leaks. This contract will supplement the DWSD maintenance forces in repair and replacements.

**Scope of Work:** Water main repair and replacement as-needed in the city of Detroit including but not limited to the replacement and installation of new water mains, water services, hydrants, valves, gate wells, gate boxes, thrust blocks, and other water main related work.

**Challenges:** Carefully exposing the failed sections of water main. Minimizing the disturbances to customers. Minimizing the interruption of water services to customers.

### Project Cost Estimates

System	Status	Type	Start Date	Finish Date	Total Estimated Cost	Projected Expenditures by Fiscal Year				
						2021-22	2022-23	2023-24	2024-25	2025-26
Water	Active	C	2/1/2018	6/30/2021	\$17,429,100					

CIP#

## WS-708 Repair of Water Mains

**Status:** Active

**Significance:** Repair of various sized water main due to significant increase in number of water main breaks and leaks.

**Location:** Various locations

**Driver:** Number of water main breaks and leaks in the water distribution system during critical time periods.

**Scope of Work:** Locate, expose and repair various sized water main breaks and leaks on existing water mains (up to 16”), services and the repair and replacement of hydrants, valves, stop boxes, road gate boxes and other appurtenances

**Challenges:** Minimizing disruptions to neighborhoods.

### Project Cost Estimates

System	Status	Type	Start Date	Finish Date	Total Estimated Cost	Projected Expenditures by Fiscal Year				
						2021-22	2022-23	2023-24	2024-25	2025-26
Water	Active	C	10/22/2018	6/30/2021	\$8,002,800					

CIP#

## WS-717 Repair & Replacements of Water Main (WS-702B)

**Status:** New

**Significance:** This is a hybrid contract with both repair and replacement work. The repair work is intended for emergency watermain replacement without construction drawings.

**Location:** Various

**Driver:** During certain periods of the year, the DWSD experiences a significant increase in the number of water main breaks and leaks. This contract will supplement the DWSD maintenance forces in repair and replacements.

**Scope of Work:** Water main repair and replacement as-needed throughout the city of Detroit including but not limited to the replacement and installation of new water mains, water services, hydrants, valves, gate wells, gate boxes, thrust blocks, and other water main related work.

**Challenges:** Carefully exposing the failed sections of water main. Minimizing the disturbances to customers. Minimizing the interruption of water services to customers.

### Project Cost Estimates

System	Status	Type	Start Date	Finish Date	Total Estimated Cost	Projected Expenditures by Fiscal Year				
						2021-22	2022-23	2023-24	2024-25	2025-26
Water	New	C			\$14,000,000	\$3,500,000	\$2,500,000	\$3,000,000	\$3,000,000	

CIP#

## WS-719 Repair of Water Mains (WS-708/WS-702A)

**Status:** New

**Significance:** Repair of various sized water main due to significant increase in number of water main breaks and leaks.

**Location:** Various locations

**Driver:** Number of water main breaks and leaks in the water distribution system during critical time periods.

**Scope of Work:** Locate, expose and repair various sized water main breaks and leaks on existing water mains (up to 16”), services and the repair and replacement of hydrants, valves, stop boxes, road gate boxes and other appurtenances

**Challenges:** Minimizing disruptions to neighborhoods.

### Project Cost Estimates

System	Status	Type	Start Date	Finish Date	Total Estimated Cost	Projected Expenditures by Fiscal Year				
						2021-22	2022-23	2023-24	2024-25	2025-26
Water	New	C			\$4,000,000	\$5,000,000	3,500,000	\$2,000,000	\$2,000,000	

CIP# O&M

## DWS-902 Repair of Pavement (break repair)

**Status:** Active

**Significance:** To repair pavement, sidewalks, driveways, and curb cuts in various streets throughout the City of Detroit.

**Location:** Various

**Driver:** Work is done as a resulting of DWSD emergency maintenance and repair work.

**Scope of Work:** The work consists of trimming, removing, and replacing concrete sidewalks, driveways, and curbs. The object of the proposed contract consists of but is not limited to the removal of approximately 202,500 square yards of pavement cuts or patches; the replacement of 42,000 square yards of concrete, and 150,000 square yards of high early strength no slump concrete base. The removal and replacement of 360,000 square feet of sidewalk; 120,000 square feet of driveway, and 50,000 linear curb at various locations throughout the City of Detroit.

**Challenges:**

### Project Cost Estimates

System	Status	Type	Start Date	Finish Date	Total Estimated Cost	Projected Expenditures by Fiscal Year				
						2021-22	2022-23	2023-24	2024-25	2025-26
Water	Active	C	8/8/2017	6/30/2021	\$20,129,000	\$1,920,000				
Sewer	Active	C	8/8/2017	6/30/2021	\$3,552,000	\$75,000				

CIP# O&M

## DWS-904 Repair of Lawns (break repair)

**Status:** Active

**Significance:** To repair lawns, berms, and trees damaged due to maintenance of water system and green stormwater infrastructures vegetation management and irrigation services.

**Location:** Various

**Driver:** Work is done as a resulting of DWSD emergency maintenance and repair work, includes green infrastructure maintenance.

**Scope of Work:** The work consists of removing undesirable debris in existing soil, grading/leveling soil and replacing seeding with straw or placing sods. DWSD is a co-permittee with Great Lakes Water Authority (GLWA) of NPDES permit. DWSD and GLWA are jointly responsible for developing and implementing the Alternative Rouge River Combined Sewer Overflow (CSO) Control Program.

This work will include excavating and grading the damaged areas. The work will also include maintenance of green stormwater infrastructure vegetation sites.

**Challenges:**

### Project Cost Estimates

System	Status	Type	Start Date	Finish Date	Total Estimated Cost	Projected Expenditures by Fiscal Year				
						2021-22	2022-23	2023-24	2024-25	2025-26
Water	Active	C	5/1/2018	4/30/2021	\$1,595,000	\$1,500,000				
Sewer	Active	C	5/1/2018	4/30/2021	\$1,063,000	\$338,000				

CIP#

## DWS-919 (Replace DWS-902)

**Status:** New

**Significance:** To repair pavement, sidewalks, driveways, and curb cuts in various streets throughout the City of Detroit.

**Location:** Various

**Driver:** Work is done as a resulting of DWSD emergency maintenance and repair work.

**Scope of Work:** The work consists of trimming, removing, and replacing concrete sidewalks, driveways, and curbs. The object of the proposed contract consists of but is not limited to the removal of approximately 202,500 square yards of pavement cuts or patches: the replacement of 42,000 square yards of concrete, and 150,000 square yards of high early strength no slump concrete base. The removal and replacement of 360,000 square feet of sidewalk; 120,000 square feet of driveway, and 50,000 linear curb at various locations throughout the City of Detroit.

**Challenges:**

### Project Cost Estimates

System	Status	Type	Start Date	Finish Date	Total Estimated Cost	Projected Expenditures by Fiscal Year				
						2021-22	2022-23	2023-24	2024-25	2025-26
Water	New	C			\$20,400,000	\$5,100,000	\$5,100,000	\$5,100,000	\$2,720,000	
Sewer	New	C			\$2,400,000	\$900,000	\$900,000	\$900,000	\$480,000	

CIP#1353

## PC-808 Far West Detroit Stormwater Improvements (formerly West Warren (Constance at Rouge Park/Tireman Sawyer PH III))

**Status:** Procurement

**Significance:** Reduce volume to URT (outfalls 059-69, 072-075, 077, 079)

**Location:** Far West Detroit Neighborhood; Storm sewer; Rouge Park: North Basin - Constance & Parkland Street; South Basin – Tireman Ave to Majestic Street **Driver:** DWSD NPDES Permit No. MI0022802

**Scope of Work:** Provide the outlet for the Constance storm sewer constructed in Phase I as a large bioretention basin envisioned as both stormwater treatment and a park amenity constructed within the park to provide detention and water quality treatment. Project also includes a large open channel practice in the southern part of Rouge Park for the new storm sewer system/partial sewer separation for the area tributary to the Warren Outfall.

**Challenges:** Coordination with Far West Detroit Neighborhood Civic Association and Friends of the Rouge for an acceptable GSI design and EGLE approvals. Coordination with the General Services Department for utilizing Rouge Park property for the location of the project.



### Project Cost Estimates

System	Status	Type	Start Date	Finish Date	Total Estimated Cost	Projected Expenditures by Fiscal Year				
						2021-22	2022-23	2023-24	2024-25	2025-26
Water	Procurement	C	2021	2026	\$7,700,000	\$4,000,000	\$4,200,000	-	-	-
Sewer (non GSI)	Procurement	C	2021	2026	\$3,500,000	\$1,500,000	\$1,500,000	-	-	-
Sewer	Procurement	C	2021	2026	\$28,960,000	\$10,040,000	\$7,650,000	\$6,280,000	\$3,995,000	\$995,000

CIP#1349

## CS-1909A Water Main Condition Assessment Services Throughout the City of Detroit

**Status:** Procurement

**Significance:** Hydrant flow test (approx. 620) C-factor tests (approx. 210), valve exercising (approx. 5,907), and leak detection test (approximately 1,234,407 LF).

**Location:** Various

**Driver:**

**Scope of Work:** The project will include evaluating the condition of approx. 1,230,000 lineal feet of pipes, all valves and certain hydrants within fifteen Detroit neighborhoods; and evaluating the condition approximately 351,671 lineal feet of pipes, valves and hydrants at various locations throughout the City of Detroit. The pipe test section will range in length, size and material including the following: 6-inch, 8-inch, and 12-inch diameter asbestos cement (AC), cast iron, concrete, ductile iron, high density polyethylene(HDPE), and steel material. RB: FYI, there is no PVC piping within any portion of the Detroit water system.

**Challenges:**

### Project Cost Estimates

System	Status	Type	Start Date	Finish Date	Total Estimated Cost	Projected Expenditures by Fiscal Year				
						2021-22	2022-23	2023-24	2024-25	2025-26
Water	Procurement	S	1/22/2021	9/24/2021	\$481,909	\$250,000				

CIP#

## CS-1921 Watermain/Sewer Design

**Status:** Procurement

**Significance:** Task Order as-needed design services to improve the water and sewer piping system within the City of Detroit. Improved contract documents such as Boiler Plate (in the EJCDC format) and technical specifications in the FormSpec style of specifications.

**Location:** Various

**Driver:** This contract will phase out the condition assessment, design and construction assistance work currently provided by CS-1812, CIPMO contract as needed.

**Scope of Work:** This project consists of water and sewer design tasks including, but not limited to, civil, structural, architectural, geotechnical, hydraulics, GIS and other services as identified in the individual Task Orders. Owner will evaluate and select qualified firms or project teams to perform water and sewer professional engineering services on a Task Order basis for a Contract duration of three (3) years with the payable Contract value not to exceed two million dollars (\$2,000,000.00) per fiscal year.

**Challenges:** Continue defined capital improvement programs for water main and sewer improvements.

### Project Cost Estimates

System	Status	Type	Start Date	Finish Date	Total Estimated Cost	Projected Expenditures by Fiscal Year				
						2021-22	2022-23	2023-24	2024-25	2025-26
Water	Procurement	D			\$3,000,000	\$1,000,000	\$1,000,000	\$1,000,000		
Sewer	Procurement	D			\$3,000,000	\$1,000,000	\$1,000,000	\$1,000,000		

CIP#

## CS-1923A Third Party Inspection (Water & Sewer)

**Status:** New

**Significance:** Task Order as-needed construction inspection and related services to improve the water and sewer infrastructure within the City of Detroit

**Location:** All DWSD Design Contracts

**Driver:** Provide inspection services to DWSD future construction projects and transition construction inspection services from CIPMO to this contract

**Scope of Work:** Construction Field Inspection, Field Surveying and Materials Testing by selected firms for use in future water & sewer Capital Improvement Projects.

**Challenges:** Continue capital improvement programs for water main and sewer infrastructure improvements.

### Project Cost Estimates

System	Status	Type	Start Date	Finish Date	Total Estimated Cost	Projected Expenditures by Fiscal Year				
						2021-22	2022-23	2023-24	2024-25	2025-26
Water	New	CA			\$2,250,000	\$750,000	\$750,000	\$750,000		
Sewer	New	CA			\$2,250,000	\$750,000	\$750,000	\$750,000		

CIP#1457

## CS-1947 Condition Assessment Sherwood Forest

**Status:** New

**Significance:**

**Location:**

**Driver:**

**Scope of Work:**

**Challenges:**

### Project Cost Estimates

System	Status	Type	Start Date	Finish Date	Total Estimated Cost	Projected Expenditures by Fiscal Year				
						2021-22	2022-23	2023-24	2024-25	2025-26
Water	New				\$500,000	\$250,000	\$250,000			

CIP#1349

## CS-1812 Professional Engineering and Construction Services for CIPMO

**Status:** Active

**Significance:** Improve customer service and renew and rehabilitate Detroit’s retail system infrastructure

**Location:** Various

**Driver:**

**Scope of Work:** The proposed contract is a major component of the City’s larger capital investment strategy designed to:

- Renew and rehabilitate Detroit infrastructure and neighborhoods.
- Reconfigure systems to reflect demographic trends and emerging urban plans.
- Re-landscape the urban environment to embrace the “greening of Detroit”.

The initiation and execution of projects under this CIPMO will be prioritized to effectively and efficiently improve customer service and renew and rehabilitate Detroit’s retail system infrastructure. A centerpiece of the CIP is the development of a CIP program management organization (CIPMO) with responsibility to coordinate and execute capital project planning and implementation across multiple agencies responsible for infrastructure and community development.

**Challenges:**

### Project Cost Estimates

System	Status	Type	Start Date	Finish Date	Total Estimated Cost	Projected Expenditures by Fiscal Year				
						2021-22	2022-23	2023-24	2024-25	2025-26
Water	Active	C/CA/D/S	7/10/2017	7/9/2022	\$28,703,000	\$2,795,000				
Sewer	Active	C/CA/D/S	7/10/2017	7/9/2022	\$28,703,000	\$2,795,000				

CIP#

## CS-1925 Itron Migration – MIU Replacement

**Status:** Active

**Significance:** Enhanced meter reading technology to support Consumption and Billing related activities. To modernize billing practices to improve meter reading, billing efficiency and accuracy to minimize/eliminate estimated bills.

**Location:** Detroit Service Area

**Driver:** Warranty Replacement

**Scope of Work:** DWSD Contract CS-1925 will implement Open Way Riva Solution as a warranty replacement of the existing Water SaveSource Solution implemented back in 2007. The project scope includes removal, decommissioning and disposal of the 200W SaveSource endpoints, as well as the SaveSource collector network and the installation of RIVA endpoints, RIVA software and RIVA network. The Open Way Riva Solution provides DWSD with meter readings to accurately bill our customers.

DWSD installed MIU's on each of its customer's properties and collection towers across the city to interface with the MIU's. The MIU's collect and transmit meter reading to collection towers which then transmit the meter reading into the billing system. There are currently 210,000 customer accounts with installed MIUs. MIU's have a warrantied life of 20 years and are reaching obsolescence due to manufacturing difficulties. It is in DWSD's interest to proactively schedule replacement of its equipment to mitigate customer impact.

**Challenges:** Seamlessly install and integrate the new system to avoid estimated bills.

### Project Cost Estimates

System	Status	Type	Start Date	Finish Date	Total Estimated Cost	Projected Expenditures by Fiscal Year				
						2021-22	2022-23	2023-24	2024-25	2025-26
Water	Active	C			\$13,500,000	\$1,800,000	\$9,900,000	\$1,750,000		

CIP#

## CS-1926 Itron Migration Project Management

**Status:** Active

**Significance:** Improve the life cycle management of Riva system Assets.

**Location:** Various

**Driver:**

**Scope of Work:** Successfully replace the existing Water SaveSource AMR with the Riva OpenWay AMI (Advanced Metering Infrastructure) system. Integrate the Riva module system into daily operating procedures to achieve and sustain a module availability rate of 98.5% and limit out of service for reading modules to no more than 3 consecutive months. Integrate the Riva system with DWSD operations. Improve the life cycle management of Riva system assets. Leverage the capabilities of the Riva network for Internet of Things (IT) applications.

**Challenges:**

### Project Cost Estimates

System	Status	Type	Start Date	Finish Date	Total Estimated Cost	Projected Expenditures by Fiscal Year				
						2021-22	2022-23	2023-24	2024-25	2025-26
Water	Active	CA	8/1/2020	7/31/2023	\$2,380,517	\$325,000	\$560,000	\$1,115,000		

## PC-803B AMR Skilled Trade Labor

**Status:** Active

**Significance:** Assistance with Small Meter Installations

**Location:** Citywide

**Driver:** Increased number of small meter installation appointments

**Scope of Work:** Contractual crews supporting the Meter Operations Division in installing small (less than = 2”) retail water meters and meter interface units (MIUs) for automatic meter reading (AMR) throughout the City of Detroit.

**Challenges:**

### Project Cost Estimates

Type	Status	D-Design C-Construction	Start Date	Finish Date	Total Estimated Cost	Projected Expenditures by Fiscal Year				
						2021-22	2022-23	2023-24	2024-25	2025-26
Water	Active		4/8/2019	4/8/2022	1,884,998	\$700,000	\$700,000			

CIP#1304

## Water Meter Replacement Program

**Status:** Active

**Significance:** This program will provide assistance with meter operations of the exchange, removal and repair of meters

**Location:** Various

### Project Cost Estimates

System	Status	Type	Total Estimated Cost	Projected Expenditures by Fiscal Year				
				2021-22	2022-23	2023-24	2024-25	2025-26
Water	Active	C	\$3,451,000	\$451,000	\$750,000	\$750,000	\$750,000	\$750,000

CIP#1352

## Fire Hydrant Replacement Program

**Status:** Active

**Significance:** To improve the level of service and sustain the progress made with the City of Detroit Insurance Service Office (ISO) 2018 assessment rating

**Location:**

**Driver:** With nearly 10% inoperable hydrants within the City at the onset of this program in 2015 and a previous level 4 ISO rating, replacement of inoperable hydrants was given priority and funding to reach national standards of 1.5% hydrant inoperability.

**Scope of Work:** With nearly 30,000 hydrants within that City that are annually inspected, DWSD needs sufficient supply of hydrants to replace and repair inoperable hydrants that are needed to maintain fire flow capability, accommodate the required wet demolition that is performed utilizing hydrant permits and prevent creating a backlog of replacing inoperable hydrants. With the efforts completed to date, DWSD and DFD can prioritize work by critical facility proximity, have institutionalized the hydrant inspection program and established a uniform database of hydrant assets.

**Challenges:**

### Project Cost Estimates

System	Status	Type	Total Estimated Cost	Projected Expenditures by Fiscal Year				
				2021-22	2022-23	2023-24	2024-25	2025-26
Water	Active		\$1,250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000

CIP#448

## DWS-903 Inspection and Rehabilitation of Sewers City

**Status:** Active

**Significance:** Provide as-needed inspection and in-place rehabilitation of selected sewers

**Location:** Various

**Driver:**

**Scope of Work:** Proposed Contract No. DWS-903 is a continuation of the scope of work being performed under the existing Contract Nos. DWS-889, DWS-890, DWS-900 and DWS-901. The purpose of this contract is to provide as-needed inspection and in-place rehabilitation of selected sewers primarily using the procedures, methods and equipment of the cured-in-place pipe lining process.

The existing Detroit Water and Sewerage Department (DWSD) sewer system within the City limits (approximately 3,000 miles of sewers ranging from 8” thru 168”) is generally older than ninety-years. As a result of the sewers age, they are deteriorating at a faster rate. Some are near the point of collapsing, and immediate emergency action is often required. Sewer rehabilitation services are needed to repair plugged, damaged and collapsed sewers to avoid basement flooding, and maintain the flows within the wastewater collection system.

In the last rehabilitation/lining contracts, DWSD expended approximately \$9,000,000 per year. DWSD is planning to continue the rehabilitation of sewers and anticipates spending approximately \$20,000,000 per year to provide better service to the citizens of Detroit, and meet the needs of future City development. The rehabilitation/lining process will extend the life of a sewer by at least 50 years.

**Challenges:**

### Project Cost Estimates

System	Status	Type	Start Date	Finish Date	Total Estimated Cost	Projected Expenditures by Fiscal Year				
						2021-22	2022-23	2023-24	2024-25	2025-26
Sewer	Active	C	12/11/2017	6/30/2021	\$65,000,000	\$7,000,000				

CIP#1349

## DWS-907 Watermain and Sewer Rehabilitation & Replacement, North Rosedale Park

**Status:** Active

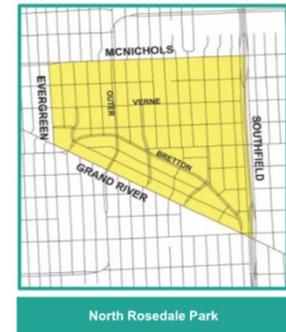
**Significance:** In-place rehabilitation/repair of existing sewers and replacement of water mains

**Locations:** North Rosedale Park

**Driver:** Renew and rehabilitate Detroit infrastructure and neighborhoods based on CIPMO pilot study project.  
DWSD NPDES Permit No. MI0022802

**Scope of Work:** Replacement of approximately 17,000 LF of 8" water main, replacement of 250 lead service lines and 31,000 LF of 8" to 33" replacement and lined Sewer.

**Challenges:** Minimizing disruption to neighborhoods, includes improvements in backyard sewer easements. This work is to the sewer proper.



System	Status	Type	Start Date	Finish Date	Total Estimated Cost	Projected Expenditures by Fiscal Year				
						2021-22	2022-23	2023-24	2024-25	2025-26
Water	Active	C	12/2/2019	5/25/2022	\$7,819,000	\$5,000,000				
Sewer	Active	C	12/2/2019	5/25/2022	\$5,213,000	\$3,000,000				

CIP#1349

## DWS-908 Sewer Rehabilitation & Replacement, Cornerstone Village

**Status:** Active

**Significance:** In-place rehabilitation/repair of existing sewers

**Locations:** Cornerstone Village

**Driver:** Renew and rehabilitate Detroit infrastructure and neighborhoods based on CIPMO pilot study project

**Scope of Work:** Rehabilitation of 42,000 LF of CIPP sewer lining, 1900 LF of trenchless point repair, 32,000 LF of sewer O&M, 550 LF of newly constructed sewer, 1,300 LF of external point repair, and 3,250 SF of Green Storm Water Infrastructure.

**Challenges:** Minimizing disruption to neighborhoods, includes improvements in backyard easements



Type	Status	D-Design C-Const.	Start Date	Finish Date	Total Estimated Cost	Projected Expenditures by Fiscal Year				
						2021-22	2022-23	2023-24	2024-25	2025-26
Sewer	Active	C	12/2/2019	12/1/2021	\$7,693,349	\$2,693,000				

CIP# 1349

## DWS-909 Sewer Condition Assessment Services in Various Locations Throughout The City of Detroit

**Status:** Closed

**Significance:** Inspection and cleaning of Existing Sewer Systems

**Locations:** Various Streets throughout Detroit

**Driver:** Assessment of Detroit infrastructure and neighborhoods

**Preliminary Scope of Work:** 179,660 LF of Sewer cleaning, 317,673 LF of inspection, 802 manhole inspections and 2,200 catch basins

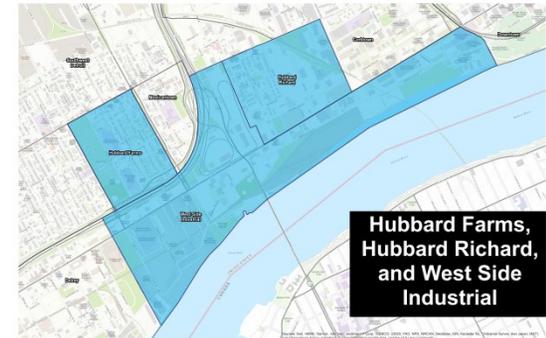
**Challenges:** Minimizing disruption to neighborhoods, includes improvements in backyard easements

### Project Cost Estimates:

System	Status	Type	Start Date	Finish Date	Total Cost
Sewer	Closed	D	4/6/2020	4/5/2021	\$1,500,000

CIP#1349

## DWS-910 Sewer Condition Assessment Services in Hubbard Farms, Hubbard Richard, West Side Industrial, Midtown, North Corktown, and Various Streets



**Status:** Closed

**Significance:** Inspection and cleaning of Existing Sewer Systems

**Locations:** Hubbard Farms, Hubbard Richard, West Side Industrial, Midtown, North Corktown, and Various Streets

**Driver:** Assessment of Detroit infrastructure and neighborhoods

**Scope of Work:** 281,448 LF of Sewer cleaning, 714,053 LF of inspection, 2,792 manhole inspections and 2,316 catch basins

**Challenges:** Minimizing disruption to neighborhoods, includes improvements in backyard easements

System	Status	Type	Start Date	Finish Date	Total Cost
Sewer	Closed	C	4/6/2020	4/5/2021	\$3,007,120

CIP#

## DWS-916 Sewer Improvements At Piety Hill, Virginia Park, New Center Commons, Brester Homes, and Brewster Douglass (High Priority Neighborhoods)

**Status:** Active

**Significance:** In-place rehabilitation/repair of existing sewers

**Location:** Various

**Driver:** Renew and rehabilitate Detroit infrastructure and neighborhoods based on CIPMO pilot study project

**Scope of Work:** The work consists of the rehabilitation and replacement of approximately 30,815 LF of 6-inch to 75- inch sewer and manholes by external point repairs, trenchless point repairs, and CIPP lining. The work also includes approximately 18,536 LF of 6-inch to 78-inch of sewer cleaning without subsequent rehabilitation. In addition, the work includes the installation of 24 new manholes, eight new catch basins, and cleaning and repair of 76 manholes.

**Challenges:** Minimizing disruption to neighborhoods, includes improvements in backyard sewer easements. This work is to eliminate backup sewer

### Project Cost Estimates

System	Status	Type	Start Date	Finish Date	Total Estimated Cost	Projected Expenditures by Fiscal Year				
						2021-22	2022-23	2023-24	2024-25	2025-26
Sewer	Active	C	12/16/2020	12/15/2021	\$4,732,017	\$2,600,000				

CIP#

## DWS-917 Sewer Improvement in Riverdale

**Status:** New

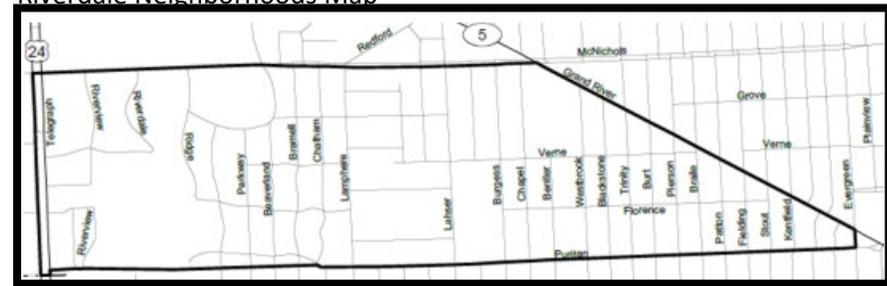
**Significance:** Rehabilitation, replacement, and operation and maintenance interventions of buried sewer infrastructure in the Riverdale neighborhood that was identified in previous condition assessment work.

**Location:** Riverdale Neighborhoods

**Driver:** Renew and rehabilitate Detroit infrastructure and neighborhoods based on CIPMO pilot study project

**Scope of Work:** Typical sewer pipe repair improvements will include external point repairs (EPRs), trenchless point repairs (TPRs) such as lining and patching, and full segment lining. Operation and maintenance include activities such as cleaning and cutting and grinding taps. Manhole improvements include cleaning/flushing manholes, general spot repairs, benching and channel reconstruction, chimney reconstruction, spray lining, and replacing adjusters.

Riverdale Neighborhoods Map



**Challenges:** Carefully exposing the failed sections of sewer. Minimizing the disturbances to customers.

### Project Cost Estimates

System	Status	Type	Start Date	Finish Date	Total Estimated Cost	Projected Expenditures by Fiscal Year				
						2021-22	2022-23	2023-24	2024-25	2025-26
Sewer	New	C			\$10,100,000	\$5,000,000	\$4,800,000	\$300,000		

CIP#

## DWS-918 Sewer Improvement in Rosedale

Status: New

### Significance:

**Location:** Rehabilitation, replacement, and operation and maintenance interventions of buried sewer infrastructure in the Rosedale Park neighborhood that was identified in previous condition assessment work.

**Driver:** Renew and rehabilitate Detroit infrastructure and neighborhoods based on CIPMO pilot study project

**Scope of Work:** Typical sewer pipe repair improvements will include external point repairs (EPRs), trenchless point repairs (TPRs) such as lining and patching, and full segment lining. Operation and maintenance include activities such as cleaning and cutting and grinding taps. Manhole improvements include cleaning/flushing manholes, general spot repairs, benching and channel reconstruction, chimney reconstruction, spray lining, and replacing adjusters.

**Challenges:** Carefully exposing the failed sections of sewer. Minimizing the disturbances to customers.

### Project Cost Estimates

System	Status	Type	Start Date	Finish Date	Total Estimated Cost	Projected Expenditures by Fiscal Year				
						2021-22	2022-23	2023-24	2024-25	2025-26
Sewer	New	C			\$4,900,000	\$4,450,000	\$450,000			

CIP#

## DWS-920 Inspection and Rehabilitation of Sewers Citywide (Replace DWS-903)

**Status:** New

**Significance:** Provide as-needed inspection, open cut repair and minimum in-place rehabilitation of failed sewers

**Location:** Various Locations Throughout the City of Detroit

**Driver:** The existing Detroit Water and Sewerage Department (DWSD) sewer system within the City limits (approximately 3,000 miles of sewers ranging from 6” thru 168”) is generally older than ninety-years. As a result of the sewers age, they are deteriorating at a faster rate. Some are near the point of collapsing, and immediate emergency action is often required. Sewer rehabilitation services are needed to repair plugged, damaged and collapsed sewers to avoid basement flooding, and maintain the flows within the wastewater collection system

**Scope of Work:** The Proposed Contract DWS-920 is the replacement for DWS-903 but will be mostly limited to as needed inspection of sewers based on customers’ complaints of water-in-basement, cave-in, etc. and the providing the required open cut repair and limited sewer lining.

**Challenges:**

### Project Cost Estimates

System	Status	Type	Start Date	Finish Date	Total Estimated Cost	Projected Expenditures by Fiscal Year				
						2021-22	2022-23	2023-24	2024-25	2025-26
Sewer	New	C			\$15,000,000	\$3,000,000	\$8,000,000	\$4,000,000		

CIP#

## DWS-921 Electrical Monitoring Upgrades at Belle Isle, Blue Hill, Woodmere, Fischer Sewage Pump Stations



Woodmere



Fischer



Belle Isle



Bluehill

**Status:** Procurement

**Significance:** With the installation of power quality metering upgrades at the pump stations operational efficiencies may be realized and implemented.

**Location:** Four (4) Sewage Pump Stations owned by DWSD

**Driver:** The pump stations do not currently have power quality metering that communicates with a Power Management System (PMS).

**Scope of Work:** The work includes, but not necessarily limited to the removal and replacement of PP-1 at the Belle Isle Pump Station, connecting the existing PM800 meter at the Fischer Pump Station to the Ovation DCS and PMS, and furnishing and installing power quality meters at both the Blue Hill Pump Station and Woodmere Pump Station.

**Challenges:**

### Project Cost Estimates

System	Status	Type	Start Date	Finish Date	Total Estimated Cost	Projected Expenditures by Fiscal Year				
						2021-22	2022-23	2023-24	2024-25	2025-26
Sewer	Procurement	C			\$600,000	\$200,000	\$200,000	\$200,000		

CIP#

## DWS-926 Sewer Condition Assessments – West Village, Southwest Detroit, Michigan-Martin

**Status:** Procurement

**Significance:** Assessment and inventory of DWSD assets to identify areas that need repair and/or rehabilitation

**Location:** West Village, Southwest Detroit, Michigan-Martin and Corktown

**Driver:** Sewer condition assessment in neighborhoods

**Scope of Work:** Sewer condition assessment services in West Village, Southwest Detroit, Michigan-Martin and Corktown. Includes but is not limited to assessment of 354,145 LF of sewers and inspection of approximately 1,400 manholes in order to conduct NASSCO compliant inspections for the purpose of recording structural and service defects.

**Challenges:** Carefully exposing the failed sections of sewer. Minimizing the disturbances to customers.

### Project Cost Estimates

System	Status	Type	Start Date	Finish Date	Total Estimated Cost	Projected Expenditures by Fiscal Year				
						2021-22	2022-23	2023-24	2024-25	2025-26
Sewer	Procurement	C			\$5,000,000		\$2,500,000	\$2,500,000		

CIP#

## DWS-931 Roofing Upgrades at Sewage Pump Stations

**Status:** Procurement

**Significance:** Reduce infrastructure damage and stop deteriorating conditions of the pump station structure and equipment

**Location:** Four (4) Sewage Pump Stations owned by DWSD

**Driver:** Proposed work led by the recent condition assessment of the pump stations.

**Scope of Work:** The work includes, but not necessarily limited to removal and replacement of existing build-up, membrane, metal, and or shingle type roofs, including all accessories such as flashing, expansion joints, roof drains/conductors and sealing cap stones to prevent water from penetrating the building envelop and causing water damage to the surrounding structure.

**Challenges:**

### Project Cost Estimates

System	Status	Type	Start Date	Finish Date	Total Estimated Cost	Projected Expenditures by Fiscal Year				
						2021-22	2022-23	2023-24	2024-25	2025-26
Sewer	Procurement	C			\$650,000	\$325,000	\$325,000	\$275,000		

## DWS-932 Large Sewer Improvements: Riverdale & Rosedale

**Status:** Procurement

**Significance:** In-place rehabilitation / repair of existing sewers

**Location:** Various locations in Riverdale and Rosedale Park

**Driver:** Renew and rehabilitate Detroit infrastructure and neighborhoods based on CIPMO pilot study project.

**Scope of Work:** The rehabilitation of large diameter sewers will include man-entry walk-through inspection, internal repairs, cleaning and site restoration.

**Challenges:** Carefully exposing the failed sections of water main. Minimizing the disturbances to customers.

### Project Cost Estimates

System	Status	Type	Start Date	Finish Date	Total Estimated Cost	Projected Expenditures by Fiscal Year				
						2021-22	2022-23	2023-24	2024-25	2025-26
Sewer	Procurement	C			\$4,800,000	\$4,400,000	\$400,000			

CIP#

## DWS-933 Corktown Sewer

**Status:** Closed

**Significance:**

**Location:** Corktown Sewer located between 1723 Lafayette Blvd. and 1700 Fort St. Detroit, MI 48216

**Driver:** Recent discovery of 95% sewer back-up caused for the need of sewer replacement, and the need for a downstream manhole.

**Scope of Work:** The solution was to install 145 linear feet of 24-inch sewer and bulkhead then flowable fill the 5-foot sewer segment west of 11th St. A new manhole on the west end (upstream) of the new sewer was installed and a catch basin was replaced.

A full concrete sewer encasement structure with a 6-foot opening (downstream manhole) was installed in lieu of an inline connection to the 5'-0" alley sewer in vacated 11th St between Lafayette and Fort St. The manhole is needed to facilitate lining of this 5'-0" sewer segment that leads into the Detroit River Interceptor (DRI) at Jefferson Ave.

**Challenges:** DWSD permits request for sewer taps.

**Project Cost Estimates:**

System	Status	Type	Start Date	Finish Date	Total Cost
Sewer	Closed	C	7/1/2020	6/30/2021	\$172,336

CIP#

## DWS-937 Sewer Replacement

**Status:** New

**Significance:** In-Place Rehabilitation/repair of Existing Sewers

**Location:** Hubbard Farms, Hubbard Richard, West Side Industrial, Midtown, North Corktown, and Various Streets Throughout the City of Detroit

**Driver:** Renew and rehabilitate Detroit infrastructure and neighborhoods based on CIPMO pilot study project

**Scope of Work:** The scope will be developed from the sewer assessment performed in the neighborhoods for DWS-909/938 and DWS-910/939

**Challenges:** Minimizing disruption to neighborhoods, includes improvements in backyard easements

**Project Cost Estimates:** For now, the Cost Estimate is shown below. However, more accurate cost estimate will be developed after sewer assessment determines the rehabilitation needs.

System	Status	Type	Start Date	Finish Date	Total Estimated Cost	Projected Expenditures by Fiscal Year				
						2021-22	2022-23	2023-24	2024-25	2025-26
Sewer	New	C			\$15,600,000	\$8,000,000	\$7,600,000			

CIP#

## DWS-938 Sewer Condition Assessment throughout City (DWS-909)

**Status:** New

**Significance:** Inspection, cleaning and assessment of existing sewer systems

**Location:** Various locations throughout the City of Detroit

**Driver:** Assessment of Detroit infrastructure and neighborhoods

**Scope of Work:** Sewer cleaning in order to perform NASSCO compliant inspection of approximately using CCVT to record defects.

**Challenges:** Minimizing disruption to neighborhoods, includes improvements in backyard easements

### Project Cost Estimates

System	Status	Type	Start Date	Finish Date	Total Estimated Cost	Projected Expenditures by Fiscal Year				
						2021-22	2022-23	2023-24	2024-25	2025-26
Sewer	New	C			\$4,500,000	\$2,250,000	\$2,250,000			

CIP#

## DWS-939 Sewer Condition Assessment High Priority

**Status:** New

**Significance:** Inspection, cleaning and assessment of existing sewer systems

**Location:** Hubbard Farms, Hubbard Richard, West Side Industrial, Midtown, North Corktown, and Various Streets

**Driver:** Assessment of Detroit infrastructure and neighborhoods



**Scope of Work:** Cleaning approximately 101,788 LF of sewer in order to perform NASSCO compliant inspection of approximately 342,390 LF of sewer using CCVT to record defects.

**Challenges:** Minimizing disruptions to neighborhoods, includes improvements in backyard easements

### Project Cost Estimates

System	Status	Type	Start Date	Finish Date	Total Estimated Cost	Projected Expenditures by Fiscal Year				
						2021-22	2022-23	2023-24	2024-25	2025-26
Sewer	New	C			\$4,500,000	\$2,250,000	\$2,250,000			

CIP#1353

## CS-1522 Green Infrastructure Program Management

**Status:** Closed

**Significance:** To study, design and develop bid documents and provide construction oversight of green infrastructure techniques and implementation.

**Location:** Upper Rouge Tributary Area

**Driver:** DWSD NPDES Permit No. MI0022802

**Scope of Work:** To study, design and develop bid documents and provide construction oversight of green infrastructure implementation. Additionally, the consultant will be responsible for project administration, development of modeling, estimating, monitoring and tracking aspects of green infrastructure techniques.

**Challenges:** Program efforts include green infrastructure/stormwater management efforts that result in the reduction of CSO discharge from 17 outfalls in Upper Rouge Tributary Area.

### Project Cost Estimates

Type	Status	Type	Start Date	Finish Date	Total Cost
Sewer	Closed	S/D/CA/C	Dec 2013	Dec 2021	\$16,000,000

CIP#1353

## PC-799 Crowell Rec Center and EcoSite Modifications

**Status:** Closed

**Significance:** Reduce volume to URT (outfalls 059-69, 072-075, 077, 079)

**Location:** Riverdale neighborhood (Crowell) and Warrendale neighborhood (EcoSites)

**Driver:** DWSD NPDES Permit No. MI0022802

**Scope of Work:** Construct permeable block pavement in the center parking spaces and two bioretention islands to collect runoff within and tributary to the north parking lot and the south parking lot. For EcoSites, modify 2 of 4 initial designs to divert runoff from opposite side of the street into bioretention cells to double the tributary area at a reasonable cost.

**Challenges:** Coordination of paving and plantings with recreation center usage.



### Project Cost Estimates

Type	Status	D-Design C- Construction	Start Date	Finish Date	Total Estimated Cost	Projected Expenditures by Fiscal Year				
						2021-22	2022-23	2023-24	2024-25	2025-26
Sewer	Closed	C	Nov 2017	Dec 2021	\$847,000	\$3,000				

CIP# 1353

## PC-801A Oakman Blvd

**Status:** Active -Construction Complete; Project in the Planting Maintenance Phase

**Significance:** Reduce volume to URT (outfalls 059-69, 072-075, 077, 079)

**Location:** Aviation neighborhood

**Driver:** DWSD NPDES Permit No. MI0022802; basement back-ups

**Scope of Work:** Constructed a series of bioretention and underground storage practices within the median to manage runoff from 62.5 acres. The proposed work includes routing stormwater runoff from the tributary areas to either the surface practices within the median or to the sub-surface storage practices based on elevation of the influent.

**Challenges:** Coordination with combining GSI and water main into one project.



<b>Final Project Cost</b>	<b>\$8,575,865</b>	
Green Infrastructure	6,806,872	
Watermain Replacement	623,256	
Restoration	514,955	-

### Project Cost

Type	Status	Project Type	Start Date	Finish Date	Total Cost	Projected Expenditures by Fiscal Year				
						2021-22	2022-23	2023-24	2024-25	2025-26
Sewer	Active	C	8/1/2019	8/1/2024	\$8,575,865	\$60,000	\$60,000	\$60,000		

CIP#1353

## PC-800 O’Shea Park

**Status:** Active/Maintenance Period

**Significance:** Reduce volume to URT (outfalls 059-69, 072-075, 077, 079)

**Location:** Greenfield Road and I-96

**Driver:** DWSD NPDES Permit No. MI0022802

**Scope of Work:** Construction of approximately 14,000 square feet of a bioretention basin; will capture runoff from within the park and the majority of the flow along Capitol Street and Rutherford Street.

**Challenges:** Coordination with GSD for simultaneously occurring park renovation project.



### Project Cost Estimates

Type	Status	D-Design C- Construction	Start Date	Finish Date	Total Estimated Cost	Projected Expenditures by Fiscal Year				
						2021-22	2022-23	2023-24	2024-25	2025-26
Sewer	Active	C	April 2018	Dec 2021	\$587,000	\$10,000				

CIP#1353

## PC-806 Charles H Wright Academy

Status: New

**Significance:** Installation of large GSI that collect and manage stormwater.

**Location:** Charles Wright and Ludington Schools

**Driver:** DWSD NPDES Permit No. MI0022802

**Scope of Work:** Construct large scale GSI practices that collect and manage stormwater from Charles Wright. Overflow from the GSI practices is conveyed to the Upper Rouge River through sheet flow.

**Challenges:** Coordination with Detroit Public Schools for agreements and construction.



### Project Cost Estimates

Type	Status	D-Design C- Construction	Start Date	Finish Date	Total Estimated Cost	Projected Expenditures by Fiscal Year				
						2021-22	2022-23	2023-24	2024-25	2025-26
Sewer	New	C/D	4/1/2021	4/1/2024	\$1,530,000	\$1,485,000	\$45,000	\$37,900		

CIP#1353

## Chandler Park Drive (CIPMP)

**Status:** New

**Significance:** The stormwater management practice along Chandler Park drive will contribute to runoff reduction.

**Location:** Chandler Park Drive

**Driver:** Optimize the capacity in the sewer system through GSI implementation.

**Scope of Work:** Construct bioretention cells mirroring the natural landscape with a shallow grass swale in the planting strip between the sidewalk and road.

**Challenges:** N/A

### Project Cost Estimates

Type	Status	D-Design C- Construction	Start Date	Finish Date	Total Estimated Cost	Projected Expenditures by Fiscal Year				
						2021-22	2022-23	2023-24	2024-25	2025-26
Sewer	New	C	12/2/19		\$150,000	\$150,000				



# Capital Partnership Program St. Paul Tabernacle

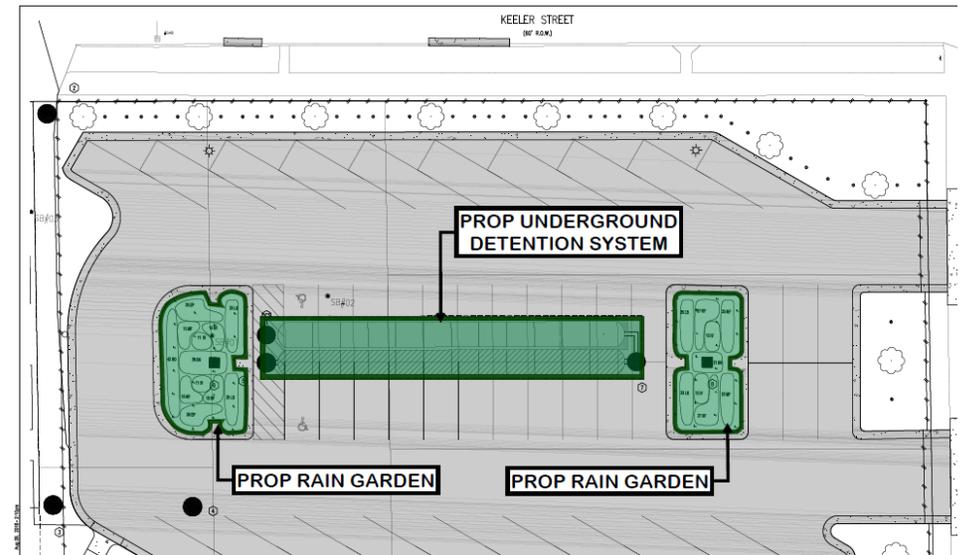
**Status:** Procurement

**Driver:** DWSD NPDES Permit No. MI0022802 - To help customer reduce the drainage charges and aid in reduction of stormwater flows to the sewer system.

**Significance:** Stormwater runoff reduction

**Location:** St. Paul Tabernacle

**Scope of Work:** The work consists of installation of green stormwater infrastructure (GSI), which includes approximately 5,000 cubic feet of underground arch detention system, two rain gardens and all associated storm sewer piping and structures. St. Paul Tabernacle will utilize the CPP funds to implement the stormwater management on the property.



**Purpose:** To comply with regulatory requirements and promote environmental sustainability, DWSD has initiated the Capital Partnership Program (CPP) that will leverage public resources to help customers finance implementation of stormwater management measures at their sites. The CPP provides for DWSD's payments through reimbursements of customer (non-residential) expenses of up to 50% of the cost of approved Green Stormwater Infrastructure (GSI) measures up to a maximum payment of \$50,000, subject to DWSD's CPP policy and administrative procedures. CPP provides up to \$5.0 million per year to fund installation of approved GSI projects. Due to COVID-19 impacts, the CPP is temporarily suspended.

**Challenges:** DWSD funds were awarded prior to the temporary suspension of the CPP which allows this project to move forward. However, due to COVID-19 impacts, New St. Paul Tabernacle is reassessing the need and funding available for the project.

## Project Cost Estimates

Type	Status	D-Design C-Construction	Start Date	Finish Date	Total Estimated Cost	Projected Expenditures by Fiscal Year				
						2021-22	2022-23	2023-24	2024-25	2025-26
Sewer	Procurement	D			\$175,000	\$100,000				

CIP# 1353

## CS-1884A Green Infrastructure Program Management

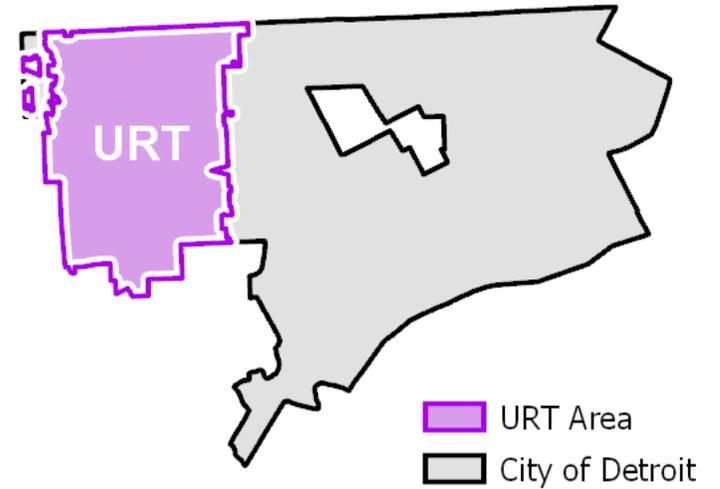
**Status:** Active

**Significance:** To comply with the DWSD NPDES Permit No. MI0022802 and reduce CSO events.

**Location:** Upper Rouge Tributary Area

**Driver:** DWSD NPDES Permit No. MI0022802

**Scope of Work:** To study, design and develop bid documentation and provide construction oversight of green infrastructure implementation. Additionally, the consultant will be responsible for project administration, development of modeling, estimating, monitoring and tracking aspects of green infrastructure techniques.



**Challenges:** To locate and install green infrastructure/stormwater management practices that result in the reduction of CSO discharge from 17 outfalls in Upper Rouge Tributary Area.

### Project Cost Estimates

Type	Status	D-Design C- Construction	Start Date	Finish Date	Total Estimated Cost	Projected Expenditures by Fiscal Year				
						2021-22	2022-23	2023-24	2024-25	2025-26
Sewer	Procurement	S/D/CA	8/1/2019	8/1/2026	\$12,000,000	\$2,500,000	\$2,500,000	\$2,500,000	\$1,000,000	\$1,000,000

# APPENDIX B – MAPS OF CIP PROJECT BY COUNCIL DISTRICT

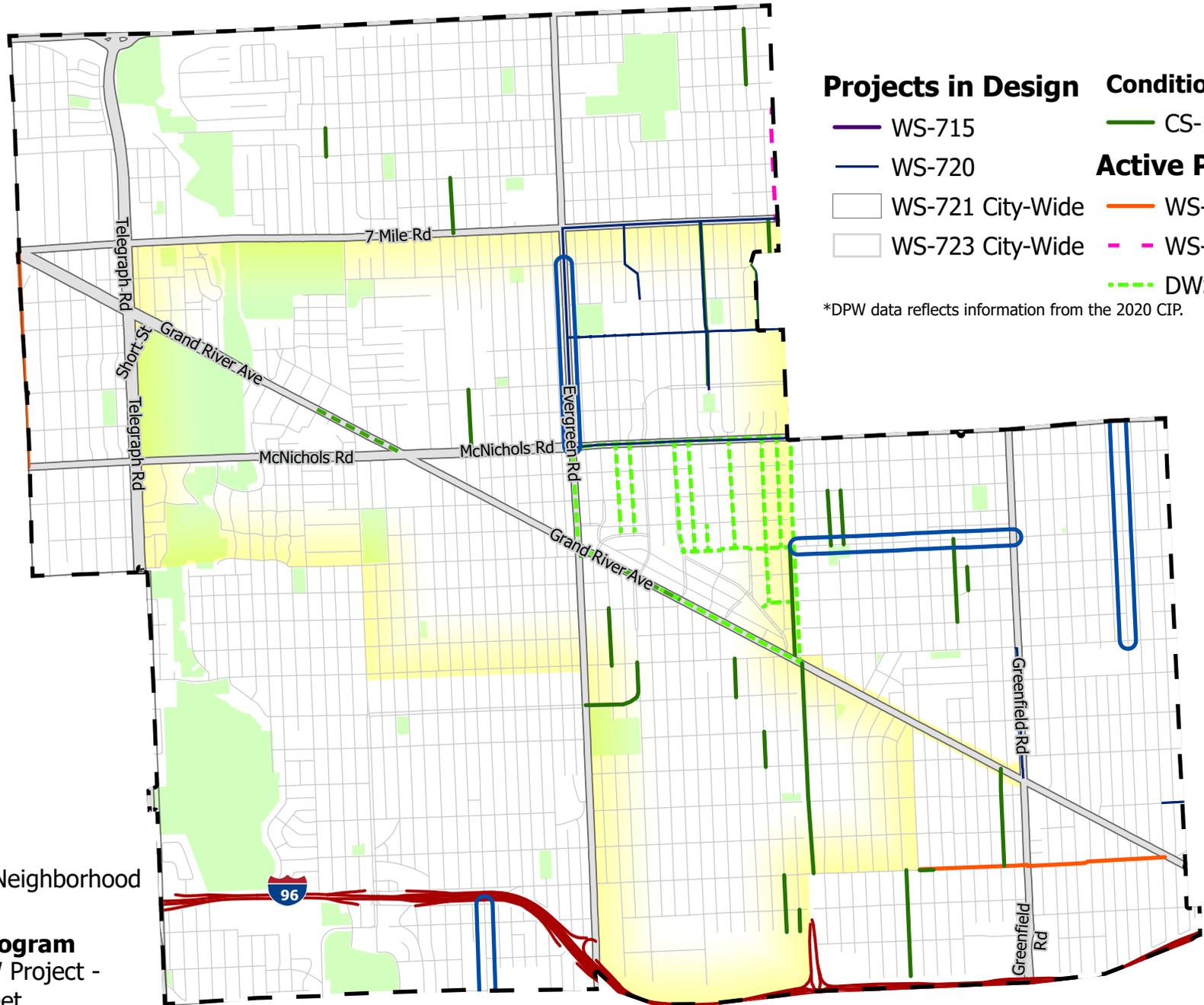


# District Maps

**Watermain Projects by District**

# DWSD Capital Improvement Plan FY2022 Projects - Water

District 1 Active Projects, Condition Assessment/Evaluation, Planning, and Design



## Projects in Design

- WS-715
- WS-720
- WS-721 City-Wide
- WS-723 City-Wide

## Condition Assessment

- CS-1909A

## Active Projects

- WS-710
- WS-711
- DWS-907

\*DPW data reflects information from the 2020 CIP.

- Strategic Neighborhood Fund
- DPW Street Program**
- 2021 DPW Project - Major Street
- 2021 DPW Project - Minor Street
- DPW Streetscapes

# DWSD Capital Improvement Plan FY2022 Projects - Water

## District 2 Active Projects, Condition Assessment/Evaluation, Planning, and Design



### Projects in Design

WS-721 City-Wide

WS-723 City-Wide

CS-1947

1 Sherwood Forest

### Condition Assessment

CS-1909A

\*DPW data reflects information from the 2020 CIP.

Strategic Neighborhood Fund

### DPW Street Program

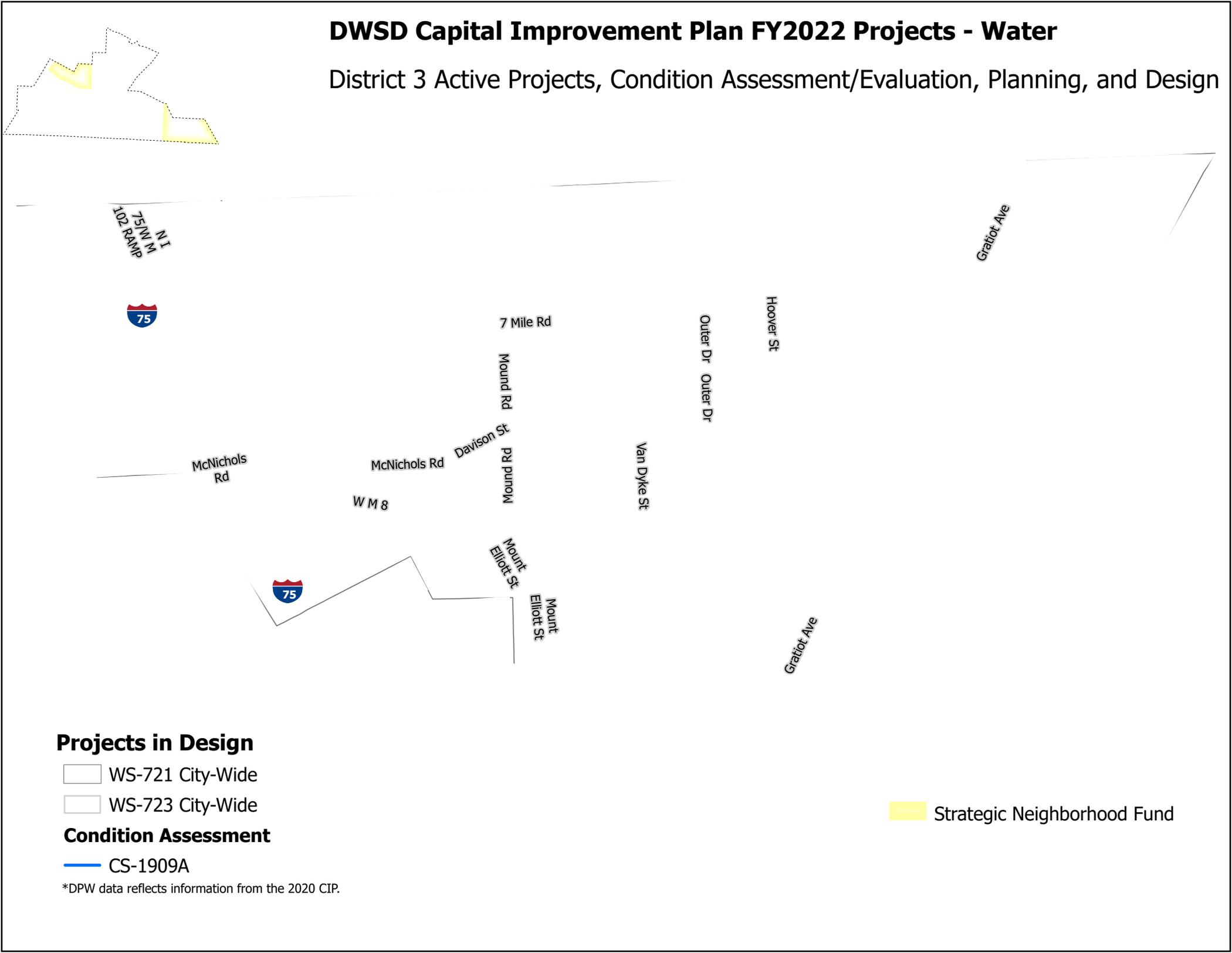
2021 DPW Project - Major Street

2021 DPW Project - Minor Street

DPW Streetscapes

# DWSD Capital Improvement Plan FY2022 Projects - Water

## District 3 Active Projects, Condition Assessment/Evaluation, Planning, and Design



### Projects in Design

- WS-721 City-Wide
- WS-723 City-Wide

### Condition Assessment

- CS-1909A

Strategic Neighborhood Fund

\*DPW data reflects information from the 2020 CIP.

# DWSD Capital Improvement Plan FY2022 Projects - Water

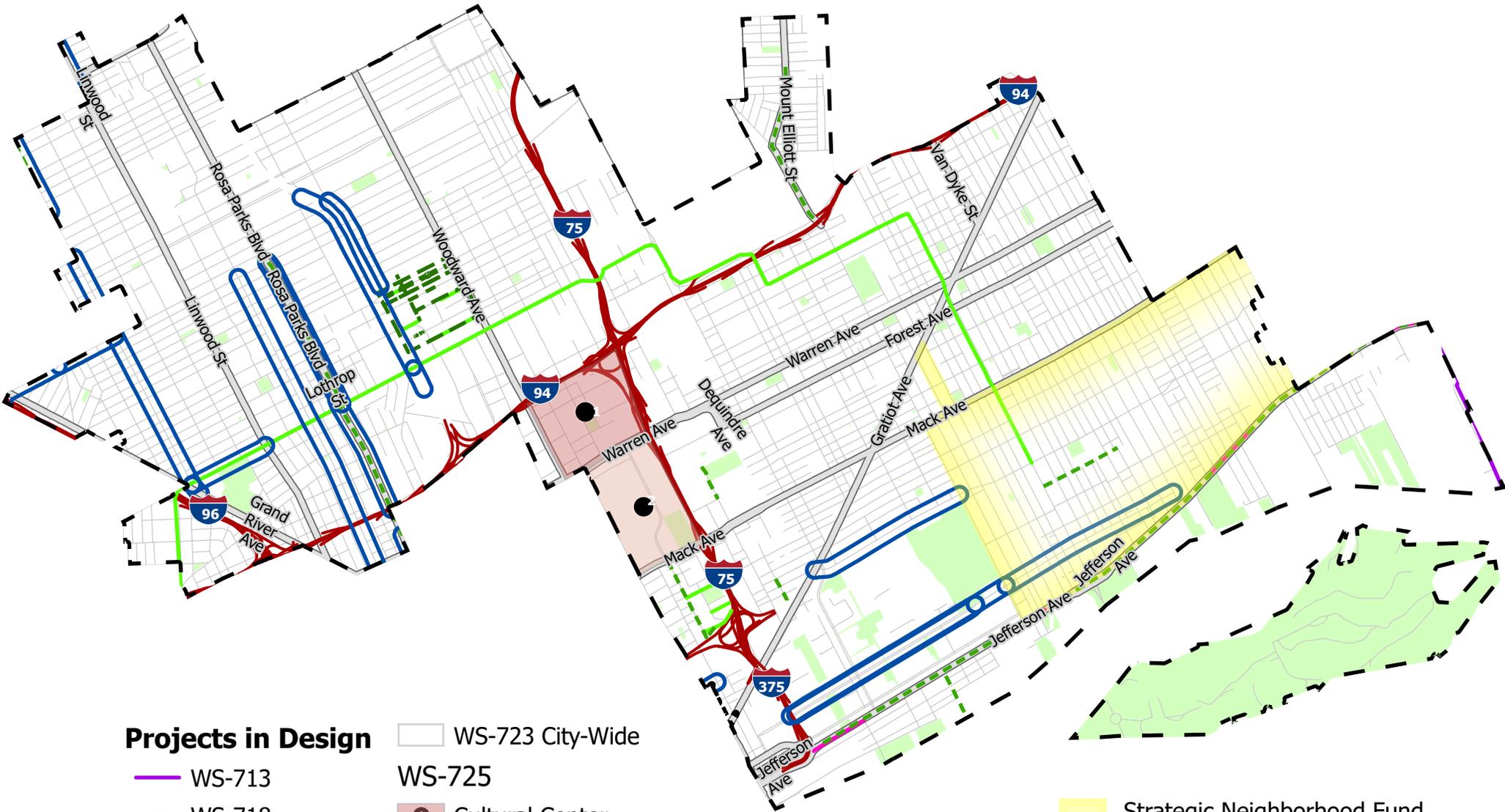
District 4 Active Projects, Condition Assessment/Evaluation, Planning, and Design



\*DPW data reflects information from the 2020 CIP.

# DWSD Capital Improvement Plan FY2022 Projects - Water

District 5 Active Projects, Condition Assessment/Evaluation, Planning, and Design



## Projects in Design

- WS-713
- - - WS-718
- WS-720
- CS-1909A

- WS-723 City-Wide
- WS-725

- 1 Cultural Center
- 2 Medical Center

## Active Projects

- WS-721 City-Wide
- WS-711

Strategic Neighborhood Fund

## DPW Street Program

- 2021 DPW Project - Major Street
- 2021 DPW Project - Minor Street
- - - DPW Streetscapes

\*DPW data reflects information from the 2020 CIP.

# DWSD Capital Improvement Plan FY2022 Projects - Water

## District 6 Active Projects, Condition Assessment/Evaluation, Planning, and Design



Strategic Neighborhood Fund

### DPW Street Program

- 2021 DPW Project - Major Street
- 2021 DPW Project - Minor Street
- DPW Streetscapes

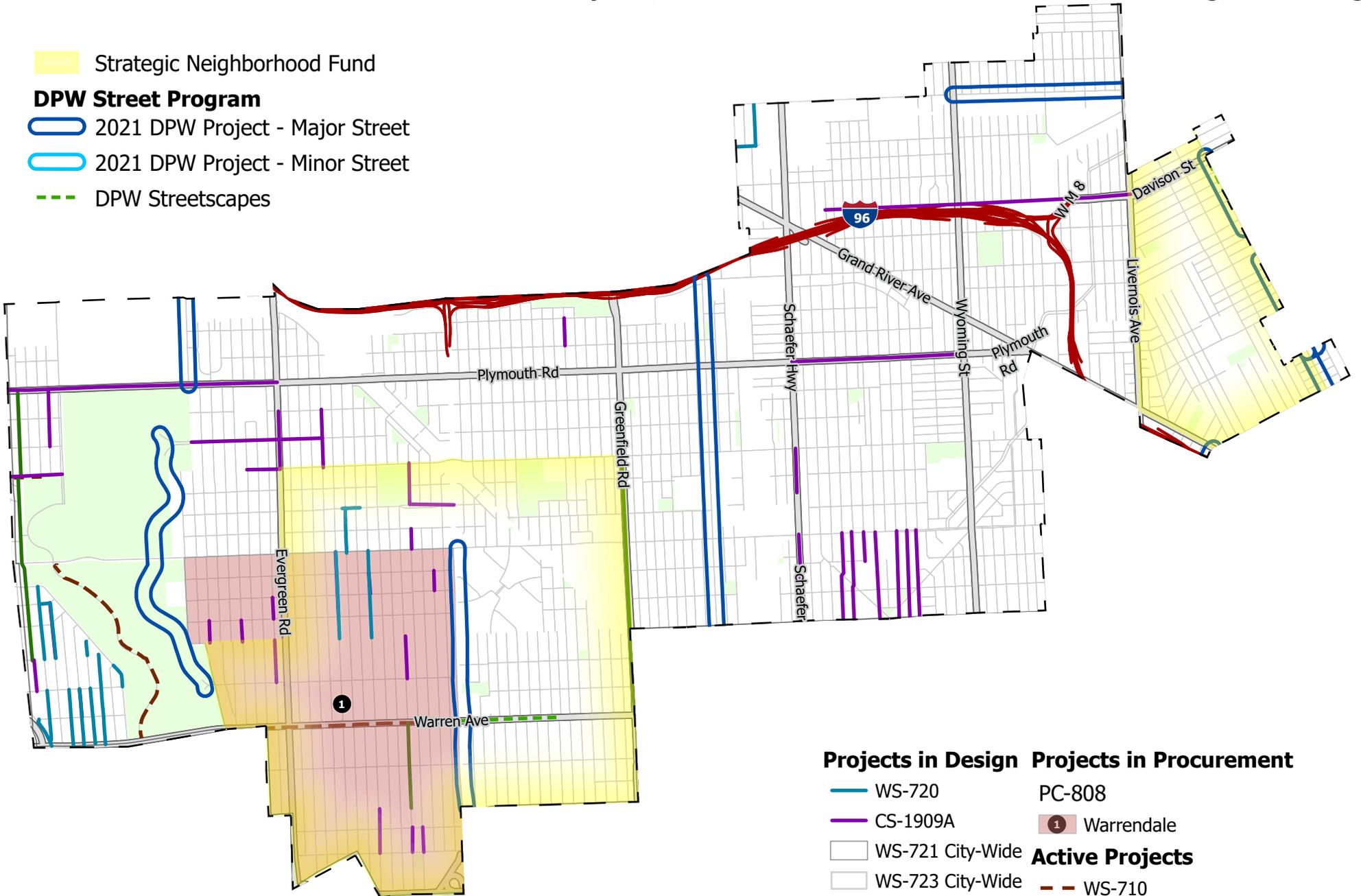
### Projects in Design WS-725

- WS-721 City-Wide
- WS-723 City-Wide
- Midtown
- CS-1909A

\*DPW data reflects information from the 2020 CIP.

# DWSD Capital Improvement Plan FY2022 Projects - Water

District 7 Active Projects, Condition Assessment/Evaluation, Planning, and Design



- Strategic Neighborhood Fund
- DPW Street Program**
- 2021 DPW Project - Major Street
- 2021 DPW Project - Minor Street
- DPW Streetscapes

- |  |   |
|--|---|
| <b>Projects in Design</b>  | <b>Projects in Procurement</b>  |
| <span style="display: inline-block; width: 20px; height: 2px; background-color: blue; margin-right: 5px;"></span> WS-720                                   | <span style="display: inline-block; width: 20px; height: 2px; background-color: purple; margin-right: 5px;"></span> PC-808  |
| <span style="display: inline-block; width: 20px; height: 2px; background-color: purple; margin-right: 5px;"></span> CS-1909A                               | <span style="display: inline-block; width: 20px; height: 10px; background-color: #d9ead3; border: 1px solid black; border-radius: 5px; margin-right: 5px;"></span> 1 Warrendale |
| <span style="display: inline-block; width: 20px; height: 1px; background-color: gray; border: 1px solid gray; margin-right: 5px;"></span> WS-721 City-Wide | <b>Active Projects</b>  |
| <span style="display: inline-block; width: 20px; height: 1px; background-color: gray; border: 1px solid gray; margin-right: 5px;"></span> WS-723 City-Wide | <span style="display: inline-block; width: 20px; border-bottom: 2px dashed brown; margin-right: 5px;"></span> WS-710  |
|  | <span style="display: inline-block; width: 20px; height: 2px; background-color: green; margin-right: 5px;"></span> WS-711   |

\*DPW data reflects information from the 2020 CIP.



# District Maps

**Sewer/Green Infrastructure Projects by District**

# DWSD Capital Improvement Plan FY2022 Projects - Sewer

District 1 Active Projects, Condition Assessment/Evaluation, Planning, and Design



## Projects in Design

- DWS-917
- DWS-918
- DWS-937 City-Wide
- DWS-938 City-Wide
- 1 North Rosedale (Edinburgh)
- 2 Seven Mile - Rouge

\*DPW data reflects information from the 2020 CIP.

## Projects in Procurement

- DWS-932
- DWS-920 City-Wide

## Active Projects

- DWS-907

Strategic Neighborhood Fund

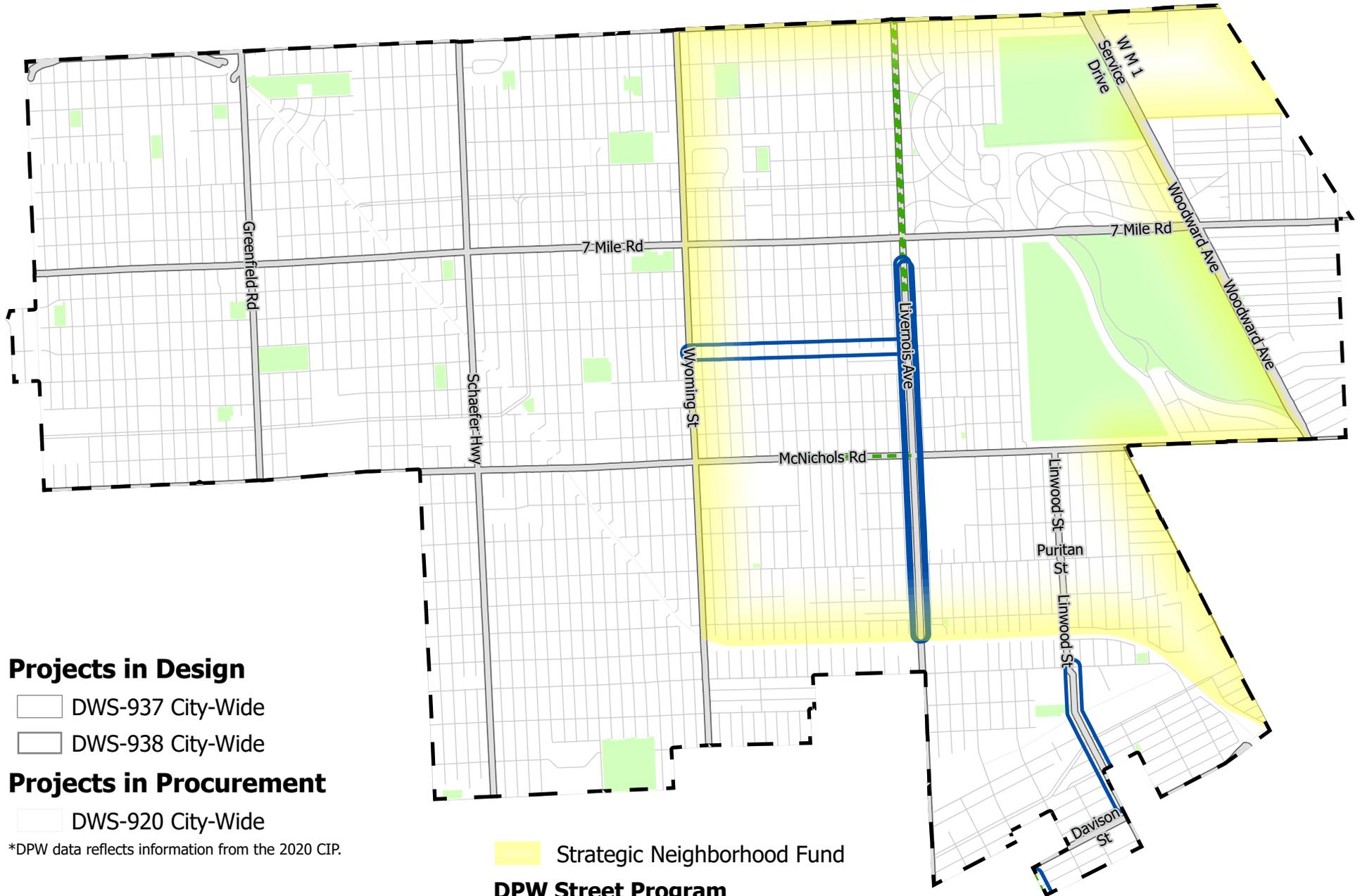
### DPW Street Program

- 2021 DPW Project - Major Street
- 2021 DPW Project - Minor Street
- - - DPW Streetscapes



# DWSD Capital Improvement Plan FY2022 Projects - Sewer

## District 2 Active Projects, Condition Assessment/Evaluation, Planning, and Design



### Projects in Design

- DWS-937 City-Wide
- DWS-938 City-Wide

### Projects in Procurement

- DWS-920 City-Wide

\*DPW data reflects information from the 2020 CIP.

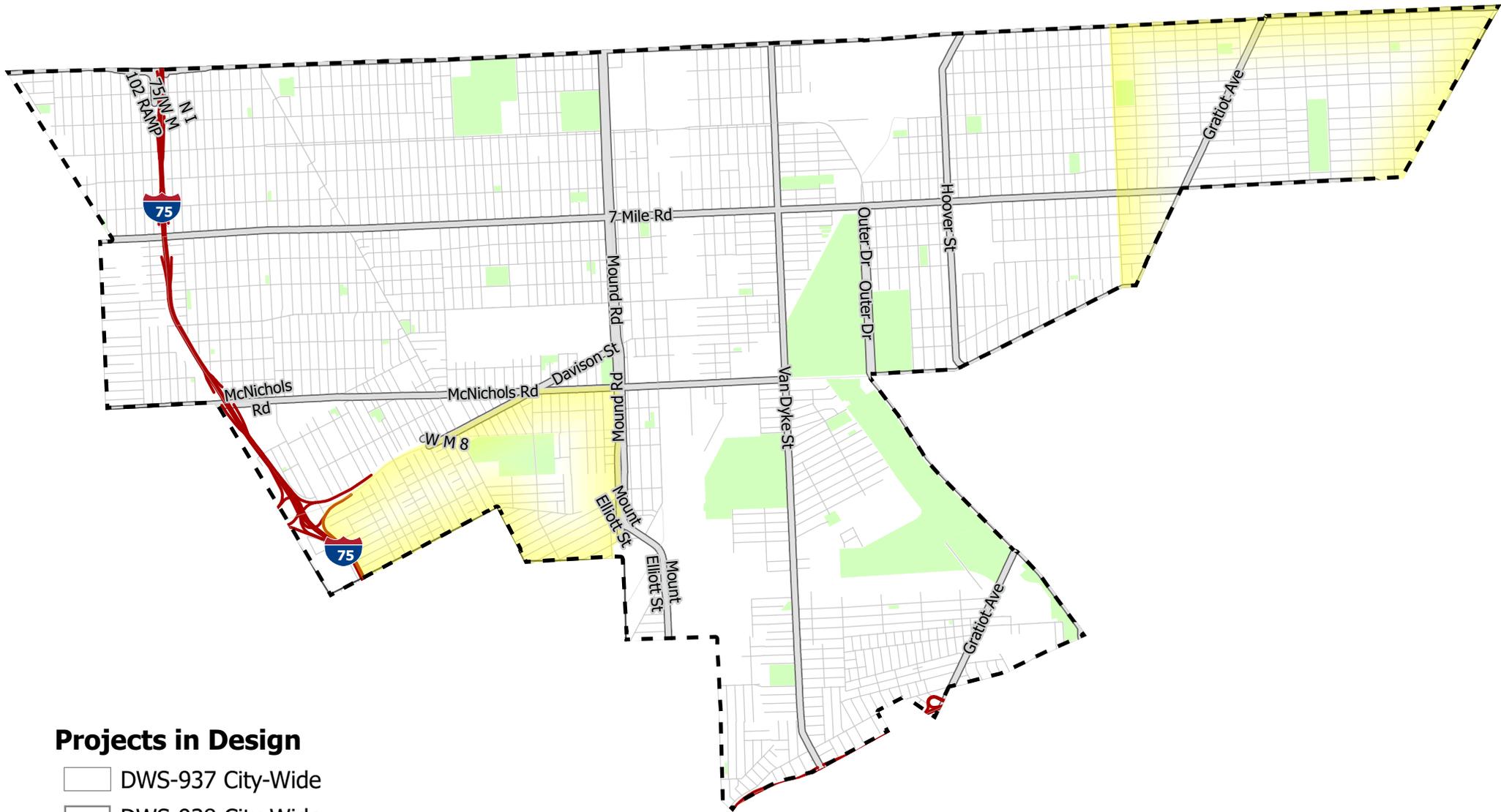
Strategic Neighborhood Fund

### DPW Street Program

- 2021 DPW Project - Major Street
- 2021 DPW Project - Minor Street
- DPW Streetscapes

# DWSD Capital Improvement Plan FY2022 Projects - Sewer

## District 3 Active Projects, Condition Assessment/Evaluation, Planning, and Design



### Projects in Design

- DWS-937 City-Wide
- DWS-938 City-Wide

### Projects in Procurement

- DWS-920 City-Wide

Strategic Neighborhood Fund

\*DPW data reflects information from the 2020 CIP.

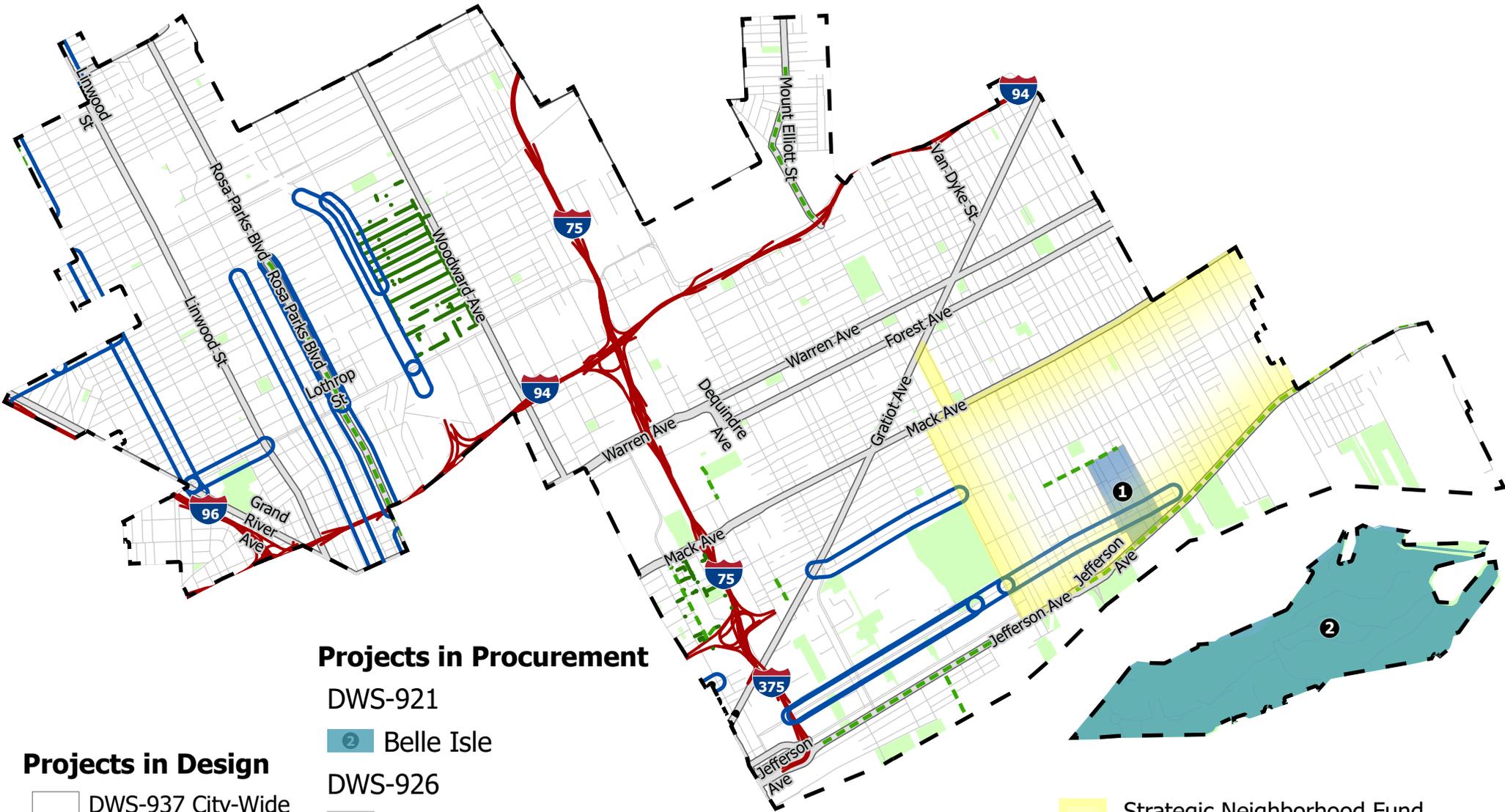
# DWSD Capital Improvement Plan FY2022 Projects - Sewer

District 4 Active Projects, Condition Assessment/Evaluation, Planning, and Design



# DWSD Capital Improvement Plan FY2022 Projects - Sewer

District 5 Active Projects, Condition Assessment/Evaluation, Planning, and Design



## Projects in Procurement

DWS-921

② Belle Isle

DWS-926

① West Village

DWS-920 City-Wide

## Active Projects

DWS-916

## Projects in Design

DWS-937 City-Wide

DWS-938 City-Wide

Strategic Neighborhood Fund

## DPW Street Program

2021 DPW Project - Major Street

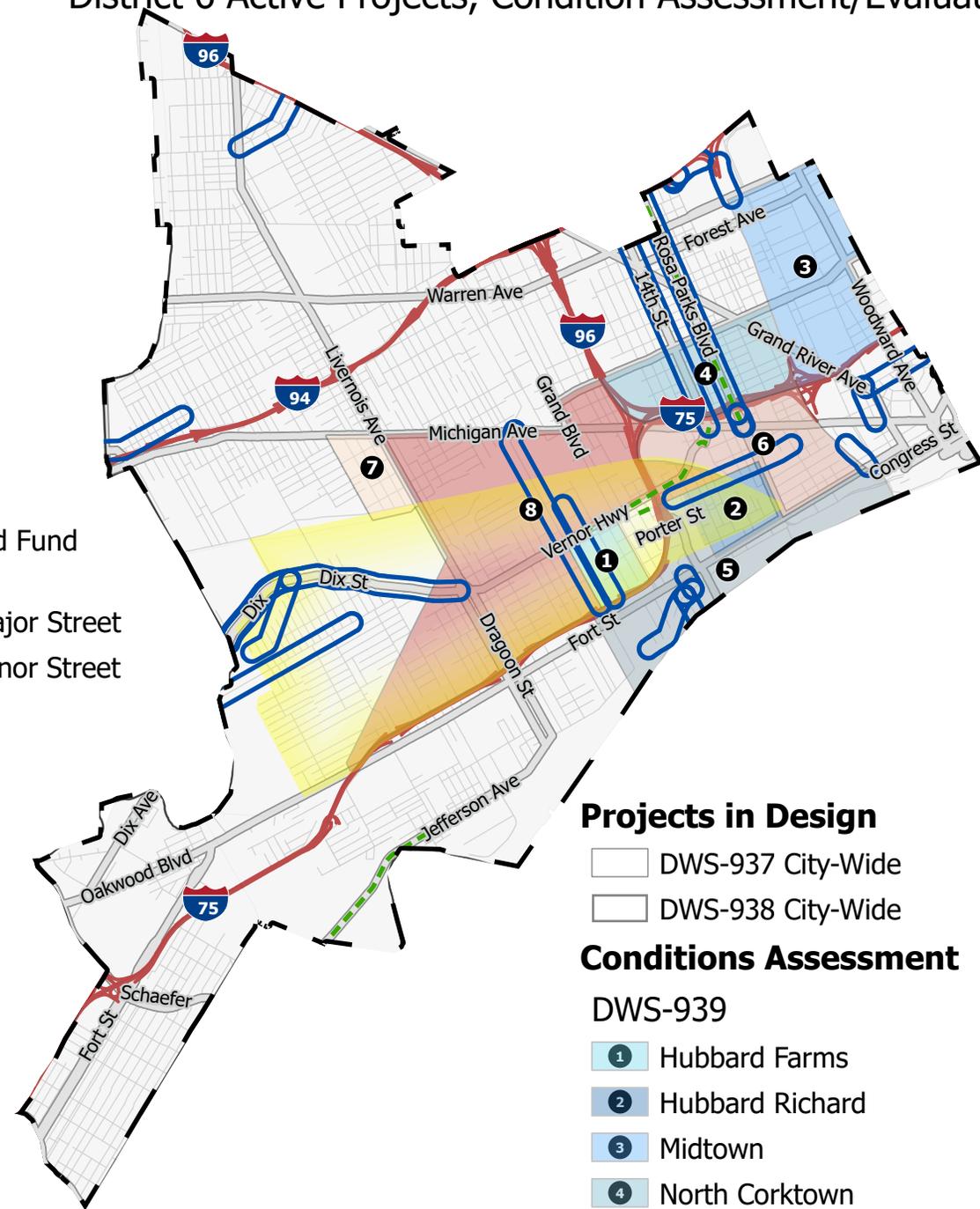
2021 DPW Project - Minor Street

DPW Streetscapes

\*DPW data reflects information from the 2020 CIP.

# DWSD Capital Improvement Plan FY2022 Projects - Sewer

District 6 Active Projects, Condition Assessment/Evaluation, Planning, and Design



Strategic Neighborhood Fund

### DPW Street Program

- ▬ 2021 DPW Project - Major Street
- ▬ 2021 DPW Project - Minor Street
- - - DPW Streetscapes

### Projects in Design

- DWS-937 City-Wide
- DWS-938 City-Wide

### Conditions Assessment

- DWS-939
- 1 Hubbard Farms
- 2 Hubbard Richard
- 3 Midtown
- 4 North Corktown
- 5 West Side Industrial

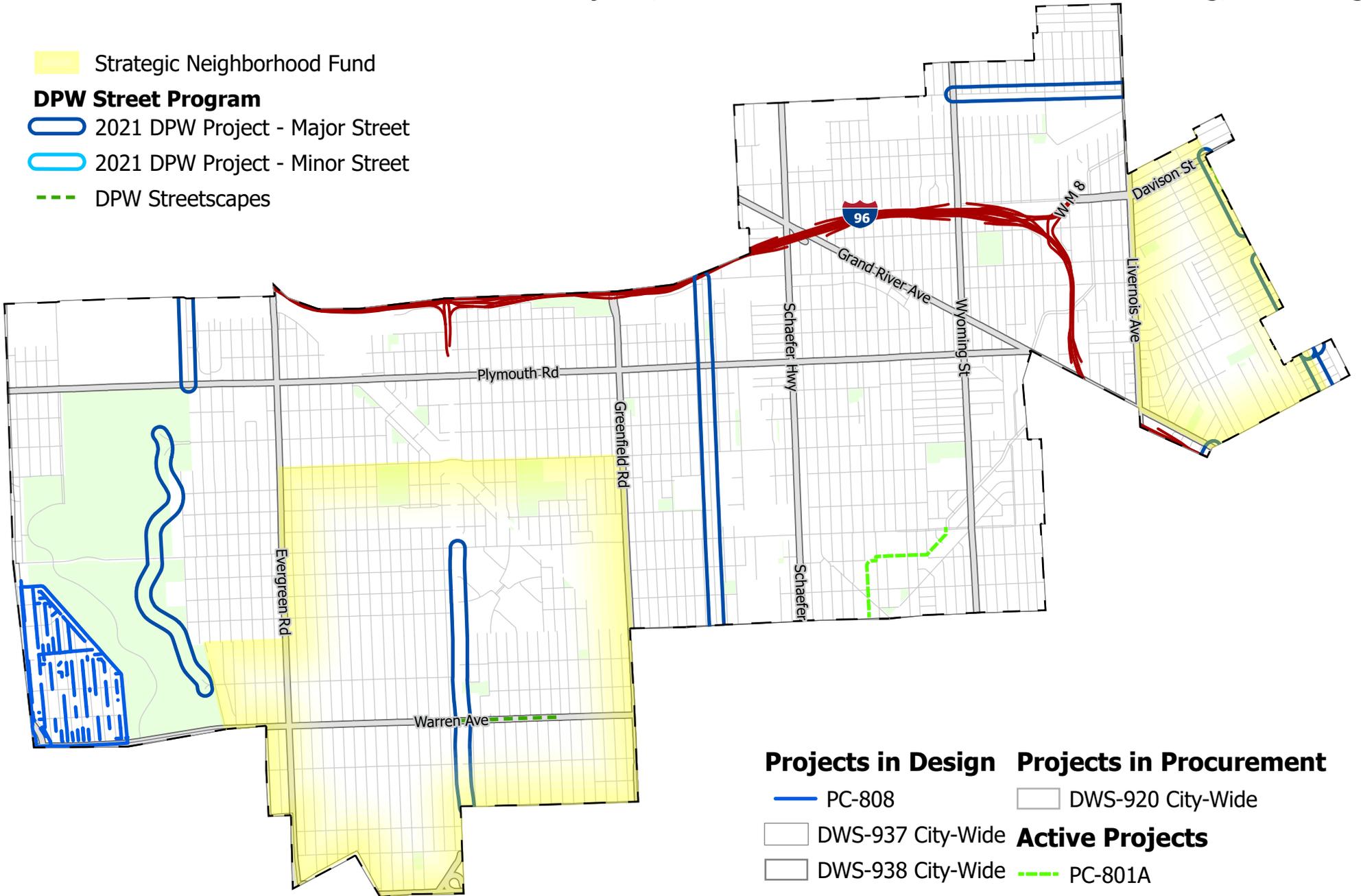
### Projects in Procurement

- DWS-926
- 6 Corktown
- 7 Michigan-Martin
- 8 Southwest Detroit
- DWS-920 City-Wide

\*DPW data reflects information from the 2020 CIP.

# DWSD Capital Improvement Plan FY2022 Projects - Sewer

District 7 Active Projects, Condition Assessment/Evaluation, Planning, and Design



- Strategic Neighborhood Fund
- DPW Street Program**
- 2021 DPW Project - Major Street
- 2021 DPW Project - Minor Street
- DPW Streetscapes

- |  |   |
|--|---|
| <b>Projects in Design</b>  | <b>Projects in Procurement</b>  |
| <span style="display: inline-block; width: 20px; height: 2px; background-color: blue; margin-right: 5px;"></span> PC-808                 | <span style="display: inline-block; width: 20px; height: 2px; background-color: gray; margin-right: 5px;"></span> DWS-920 City-Wide |
| <span style="display: inline-block; width: 20px; height: 2px; background-color: lightgray; margin-right: 5px;"></span> DWS-937 City-Wide | <b>Active Projects</b>  |
| <span style="display: inline-block; width: 20px; height: 2px; background-color: lightgray; margin-right: 5px;"></span> DWS-938 City-Wide | <span style="display: inline-block; width: 20px; border-bottom: 2px dashed green; margin-right: 5px;"></span> PC-801A               |

\*DPW data reflects information from the 2020 CIP.

# APPENDIX C

# STREET TABLE OF CIP

# PROJECTS

Project ID	Activity	Type	Phase	Location	Street From	Street To	District	Neighborhood
CS-1909A	Repair	Water	Procurement	24th St. Jefferson W. to C & O Rail Road	Jefferson W.	C & O Rail Road	6	West Side Industrial
DWS-916	Clean	Sewer	Construction	2nd Ave	Atkinson St	Clairmount St	5	Piety Hill
DWS-916	Clean	Sewer	Construction	2nd Ave	Atkinson St	Clairmount St	5	Piety Hill
DWS-916	Clean	Sewer	Construction	2nd Ave	Atkinson St	Clairmount St	5	Piety Hill
DWS-916		Sewer	Construction	2nd Ave	Blaine St	Gladstone St	5	Piety Hill
DWS-916	Line	Sewer	Construction	2nd Ave From Euclid St W To Virginia Park St	Euclid St W	Virginia Park St	5	Virginia Park
DWS-916	Line	Sewer	Construction	2nd Ave From Gladstone St To Hazelwood St	Gladstone St	Hazelwood St	5	Piety Hill
DWS-916	Line	Sewer	Construction	2nd Ave From Lothrop Rd To Bethune St W	Lothrop Rd	Bethune St W	5	New Center
DWS-916	Line	Sewer	Construction	2nd Ave From Lothrop Rd To Grand Blvd W	Lothrop Rd	Grand Blvd W	5	New Center
DWS-916	Line	Sewer	Construction	2nd Ave From Lothrop Rd To Grand Blvd W	Lothrop Rd	Grand Blvd W	5	New Center
DWS-916	Line	Sewer	Construction	2nd Ave From Lothrop Rd To Grand Blvd W	Lothrop Rd	Grand Blvd W	5	New Center
DWS-916	Line	Sewer	Construction	2nd Ave From Taylor St To Clairmount St	Taylor St	Clairmount St	5	Piety Hill
DWS-916	Line	Sewer	Construction	2nd Ave From Taylor St To Hazelwood St	Taylor St	Hazelwood St	5	Piety Hill
DWS-916		Sewer	Construction	3rd St	Bethune St W	Lothrop Rd	5	New Center
DWS-916	Clean	Sewer	Construction	3rd St	Bethune St W	Lothrop Rd	5	New Center
DWS-916		Sewer	Construction	3rd St	Gladstone St	Hazelwood St	5	Piety Hill
DWS-916	Clean	Sewer	Construction	3rd St	Pingree St	Blaine St	5	Piety Hill
DWS-916		Sewer	Construction	3rd St	Pingree St	Blaine St	5	Piety Hill
DWS-916		Sewer	Construction	3rd St	Euclid St W	Philadelphia St W	5	Piety Hill
WS-718	Replace	Water	Construction	3rd St Euclid St to Virginia Park St	Euclid St	Virginia Park St	5	Virginia Park
DWS-916		Sewer	Construction	3rd St From Blaine St To Pingree St	Blaine St	Pingree St	5	Piety Hill
DWS-916	Clean	Sewer	Construction	3rd St From Delaware St & Bethune St W	Delaware St	Bethune St W	5	New Center Commons
DWS-916	Line	Sewer	Construction	3rd St From Euclid St W To Philadelphia St W	Euclid St W	Philadelphia St W	5	Piety Hill
DWS-916	Clean	Sewer	Construction	3rd St From Euclid St W To Virginia Park St	Euclid St W	Virginia Park St	5	Virginia Park
DWS-916		Sewer	Construction	3rd St From Euclid St W To Virginia Park St	Euclid St W	Virginia Park St	5	Virginia Park
DWS-916	Clean	Sewer	Construction	3rd St From Pallister St & Bethune St W	Pallister St	Bethune St W	5	New Center Commons
WS-718	Replace	Water	Construction	3rd St Virginia Park St to Pallister St	Virginia Park St	Pallister St	5	New Center Commons
DWS-918	LINE	Sewer	Procurement	Acacia St From Artesian St To Glastonbury Ave	Artesian St	Glastonbury Ave	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Acacia St From Artesian St To Glastonbury Ave	Artesian St	Glastonbury Ave	1	Rosedale Park
DWS-918	TPR-Liner	Sewer	Procurement	Acacia St From Artesian St To Stahelin Ave	Artesian St	Stahelin Ave	1	Rosedale Park
DWS-918	TPR-Liner	Sewer	Procurement	Acacia St From Faust Ave To Penrod St	Faust Ave	Penrod St	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Acacia St From Glastonbury Ave To Greenview Rd	Glastonbury Ave	Greenview Rd	1	Rosedale Park
DWS-918	TPR-Liner	Sewer	Procurement	Acacia St From Glastonbury St To Greenview Rd	Glastonbury St	Greenview Rd	1	Rosedale Park
DWS-918	EPRCROSS	Sewer	Procurement	Acacia St From Piedmont St To Warwick St	Piedmont St	Warwick St	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Acacia St From Piedmont St To Warwick St	Piedmont St	Warwick St	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Acacia St From Piedmont St To Warwick St	Piedmont St	Warwick St	1	Rosedale Park
DWS-932	CLEAN	Sewer	Procurement	Acacia St From Piedmont St To Warwick St	Piedmont St	Warwick St	1	Rosedale Park
DWS-918	TPR-Liner	Sewer	Procurement	Acacia St From Rosemont Ave To Southfield Fwy	Rosemont Ave	Southfield Fwy	1	Rosedale Park
DWS-932	CLEAN	Sewer	Procurement	Acacia St From Warwick St To Artesian St	Warwick St	Artesian St	1	Rosedale Park
WS-713	Replace	Water	Design	Alfred Brush Ford Park Lenox to Newport park boundary	Lenox	Newport	4	Jefferson Chalmers
DWS-916	Line	Sewer	Construction	Alfred St			5	Brewster Douglas
DWS-916	Clean	Sewer	Construction	Alfred St From Brush St To Beaubien St	Brush St	Beaubien St	5	Brush Park
DWS-916	Line	Sewer	Construction	Alfred St From Brush St To Beaubien St	Brush St	Beaubien St	5	Brush Park
DWS-916	Clean	Sewer	Construction	Alfred St From Watson St To Wilkins St	Watson St	Wilkins St	5	Brewster Homes
DWS-916	Clean	Sewer	Construction	Alfred St From Watson St To Wilkins St	Watson St	Wilkins St	5	Brewster Homes
WS-713	Replace	Water	Design	Algonquin Essex to Avondale	Essex	Avondale	4	Jefferson Chalmers
DWS-908	Repair	Sewer	Construction	Alley between Cadieux and Oldtown St	Cadieux	Oldtown	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Alley between Neef Ave and Hereford ST	Neef Ave	Hareford St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Alley between Neef Ave and Hereford ST	Neef Ave	Hareford St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Alley between Neef Ave and Hereford ST	Neef Ave	Hareford St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Alley between Oldtown and Bluehill	Oldtown St	Bluehill St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Alley between Oldtown and Bluehill	Oldtown St	Bluehill St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Alley from Bluehill St to Guilford ST	Bluehill St	Guilford St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Alley from Bluehill St to Guilford ST	Bluehill St	Guilford St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Alley from Harper Ave to Linville St	Harper Ave	Linville ST	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Alley from Harper Ave to Linville St	Harper Ave	Linville ST	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Alley from Oldtown to Bluehill	Oldtown	Bluehill	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Alley from Oldtown to Bluehill	Oldtown	Bluehill	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Alley N of Warren Ave between Guilford St and Woodhall St	Guilford St	Woodhall St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Alley NE of Cadieux	Cadieux	Linville St	4	Cornerstone Village

Project ID	Activity	Type	Phase	Location	Street From	Street To	District	Neighborhood
DWS-908	Repair	Sewer	Construction	Alley NE of Cadieux	Cadieux	Linville St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Alley NE of Cadieux	Cadieux	Linville St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Alley NE of Cadieux near Munich St	Sioux St	Cincinnati St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Alley NE of Neff Ave between Neff Ave and Hereford St	Neff Ave	Hereford St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Alley NE of Neff Ave from Linville St to Southampton St	Linville St	Southampton St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Alley NE of Neff Ave from Linville St to Southampton St	Linville St	Southampton St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Alley NE of Neff Ave from Linville St to Southampton St	Linville St	Southampton St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Alley NE of Neff Ave from Linville St to Southampton St	Linville St	Southampton St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Alley NE of Neff Ave from Minerva St to Linville St			4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Alley NE of Neff Ave from Minerva St to Linville St			4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Alley NE of Neff Ave from Minerva St to Linville St			4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Alley NE of Neff Ave from Minerva St to Linville St			4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Alley NE of Neff Ave from Minerva St to Linville St			4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Alley NE of Neff Ave from Minerva St to Linville St	Minerva St	Linville ST	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Alley NE of Neff Ave from Minerva St to Linville St			4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Alley NE of Neff Ave from Minerva St to Linville St			4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Alley Northeast of Oldtown	Dead End	Southampton	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Alley Northeast of Oldtown	Dead End	Southampton	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Alley SE of Cincinnati St from Cadieux to Guilford St	Cadieux Rd	Guilford St	4	Cornerstone Village
WS-712	Replace	Water	Construction	Alstead St Moross Rd northeast to Kingsville St	Moross Rd northeast	Kingsville St	4	Cornerstone Village
WS-713	Replace	Water	Design	Alter Essex to Klenk	Essex	Klenk	4	Jefferson Chalmers
WS-712	Repair	Water	Construction	Anatole St Canyon St to Mack Ave	Canyon St	Mack Ave	4	Cornerstone Village
PC-808	LINE	Sewer	Procurement	Ann Arbor Trl			7	Far West Detroit
WS-720	Replace	Water	Design	Ann Arbor Trl	W Parkway St	Warren Ave W	7	Far West Detroit
PC-808	ABANDON	Sewer	Procurement	Ann Arbor Trl From Majestic To Beaverland St	Majestic	Beaverland St	7	Far West Detroit
PC-808	TPR-Liner	Sewer	Procurement	Ann Arbor Trl From Majestic To Warren Ave W	Majestic	Warren Ave W	7	Far West Detroit
PC-808		Sewer	Procurement	Ann Arbor Trl From Majestic To Warren Ave W	Majestic	Warren Ave W	7	Far West Detroit
PC-808	LINE	Sewer	Procurement	Ann Arbor Trl From Parkway St To Beaverland St	Parkway St	Beaverland St	7	Far West Detroit
PC-808	LINE	Sewer	Procurement	Ann Arbor Trl From Parkway St To Beaverland St	Parkway St	Beaverland St	7	Far West Detroit
PC-808		Sewer	Procurement	Ann Arbor Trl From Warren Ave W To Majestic	Warren Ave W	Majestic	7	Far West Detroit
DWS-907	Repair	Sewer	Construction	Annchester Rd at McNichols Intersection	McNichols Rd	McNichols Rd	1	North Rosedale Park
CS-1909A	Repair	Water	Procurement	Appoline Joy to Tireman	Joy	Tireman	7	Aviation Sub
WS-720	Replace	Water	Design	Artesian	Joy Rd	Tireman St	7	Warrendale
CS-1909A	Repair	Water	Procurement	Artesian Van Buren to Constance	Van Buren	Constance	7	Warrendale
CS-1909A	Repair	Water	Procurement	Artesian Kirkwood to Paul	Kirkwood	Paul	7	Warrendale
DWS-932	CLEAN	Sewer	Procurement	Artesian St From Acacia St To Lyndon St	Acacia St	Lyndon St	1	Rosedale Park
WS-713	Replace	Water	Design	Ashland Jefferson to south of Fox River	Jefferson	Fox River	4	Jefferson Chalmers
CS-1909A	Repair	Water	Procurement	Ashton Curtis to Seven Mile	Curtis	Seven Mile	1	Evergreen-Outer Drive
CS-1909A	Repair	Water	Procurement	Ashton W. Davison to Dead End	W. Davison	Dead End	1	Schoolcraft-I96
DWS-907	Replace	Water	Construction	Ashton Ave from McNichols Rd to Puritan St	McNichols Rd	Puritan St	1	North Rosedale Park
DWS-918	LINE	Sewer	Procurement	Ashton Rd From Fenkell St To Chalfonte St	Fenkell St	Chalfonte St	1	Rosedale Park
DWS-918	CLEAN	Sewer	Procurement	Ashton Rd From Fenkell St To Chalfonte St	Ashton Rd	Southfield Fwy	1	Rosedale Park
DWS-907	Repair	Sewer	Construction	Ashton Rd from Midland St to Keeler St	Midland St	Keeler St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Ashton Rd from Midland St to Keeler St	Midland St	Keeler St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Ashton Rd from Midland St to Keeler St	Midland St	Keeler St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Ashton Rd from Verne St to Pilgrim St	Verne St	Pilgrim St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Ashton Rd from Verne St to Pilgrim St	Verne St	Pilgrim St	1	North Rosedale Park
DWS-907	REPLACE	Sewer	Construction	Ashton Rd from Verne St to Pilgrim St	Verne St	Pilgrim St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Ashton Rd from Verne St to Pilgrim St	Verne St	Pilgrim St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Ashton Rd from Verne St to Pilgrim St	Verne St	Pilgrim St	1	North Rosedale Park
DWS-916	Line	Sewer	Construction	Atkinson St From 2nd Ave To Woodward Ave	2nd Ave	Woodward Ave	5	Piety Hill
DWS-916	Line	Sewer	Construction	Atkinson St From 2nd Ave To Woodward Ave	2nd Ave	Woodward Ave	5	Piety Hill
DWS-916		Sewer	Construction	Atkinson St From 2nd Ave To Woodward Ave	2nd Ave	Woodward Ave	5	Piety Hill
CS-1909A	Repair	Water	Procurement	Auburn Fenkell to Midland	Fenkell	Midland	1	Minock Park
WS-715	Replace	Water	Procurement	Auburn St Grand River Avenue to Outer Drive	Grand River Avenue	Outer Drive	1	Minock Park
WS-720	Replace	Water	Design	Avon	Avon	W outer Dr	1	Evergreen-Outer Drive
CS-1909A	Repair	Water	Procurement	Avon Outer Drive to Seven Mile	Outer Drive	Seven Mile	1	Evergreen-Outer Drive
DWS-908	Repair	Sewer	Construction	Baldluck Memorial Park	Canyon St	Southampton St	4	Cornerstone Village
DWS-916	Clean	Sewer	Construction	Beaubien St	Eliot St	Benton St	5	Brewster Homes

Project ID	Activity	Type	Phase	Location	Street From	Street To	District	Neighborhood
DWS-916	Clean	Sewer	Construction	Beaubien St	Wilkins St	Alfred St	5	Brewster Homes
DWS-916		Sewer	Construction	Beaubien St	Mack Ave	Benton St	5	Brewster Homes
DWS-916	Clean	Sewer	Construction	Beaubien St	Mack Ave	Benton St	5	Brewster Homes
DWS-916	CUT_GRIND_I	Sewer	Construction	Beaubien St	Mack Ave	Canfield St E	5	Medical Center
DWS-916	CUT_GRIND_I	Sewer	Construction	Beaubien St & Mack Ave Intersection			5	Brewster Homes
DWS-916	Clean	Sewer	Construction	Beaubien St From Alfred St To Wilkins St	Alfred St	Wilkins St	5	Brush Park
DWS-916	EPR	Sewer	Construction	Beaubien St From Mack Ave To Eliot St	Mack Ave	Eliot St	5	Brewster Homes
DWS-917	LINE	Sewer	Procurement	Beaveland St From Florence St To Verne St	Florence St	Verne St	1	Riverdale
WS-706	Repair	Water	Construction	Beaverland Ave. Sawyer Ave. to Tireman	Sawyer Ave.	Tireman	7	Far West Detroit
WS-720	Replace	Water	Design	Beaverland St	Sawyer St	Ann Arbor Trl	7	Far West Detroit
WS-720	Replace	Water	Design	Beaverland St	Tireman St	Parkland	7	Far West Detroit
DWS-917	LINE	Sewer	Procurement	Beaverland St From Puritan St To Florence St	Puritan St	Florence St	1	Riverdale
DWS-917	CLEAN	Sewer	Procurement	Beaverland St From S Riverdale Dr To Verne St	S Riverdale Dr	Verne St	1	Riverdale
PC-808	LINE	Sewer	Procurement	Beaverland St From Tireman To Belton	Tireman	Belton	7	Far West Detroit
PC-808	LINE	Sewer	Procurement	Beaverland St From Tireman To Belton Ln	Tireman	Belton Ln	7	Far West Detroit
DWS-917	CUT_GRIND_I	Sewer	Procurement	Beaverland St From Verne St To Florence St	Verne St	Florence St	1	Riverdale
DWS-917	TPR-Liner	Sewer	Procurement	Beaverland St From Verne St To Florence St	Verne St	Florence St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Bentler St & Florence St Intersection			1	Riverdale
DWS-917	LINE	Sewer	Procurement	Bentler St From Florence St To Puritan St	Florence St	Puritan St	1	Riverdale
WS-712	Replace	Water	Construction	Berden St Canyon St northeast to Moross Rd	Canyon St northeast	Moross Rd	4	Cornerstone Village
WS-718	Replace	Water	Construction	Bethune St 3rd St to John C Lodge Fwy	3rd St	John C Lodge Fwy	5	New Center Commons
DWS-916		Sewer	Construction	Bethune St From Watson St To Wilkins St	Watson St	Wilkins St	5	Brewster Homes
DWS-916		Sewer	Construction	Bethune St W From 3rd St To Bethune Ct	3rd St	Bethune Ct	5	New Center Commons
DWS-916	Line	Sewer	Construction	Bethune St W From Seville Row To 3rd St	Seville Row	3rd St	5	New Center Commons
DWS-916	Clean	Sewer	Construction	Bethune St W From Seville Row To John C Lodge Fwy	Seville Row	John C Lodge Fwy	5	New Center Commons
DWS-908	Repair	Sewer	Construction	Between Alstead & Edgefield St			4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Between Alstead & Edgefield St			4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Between Bluehill St & Oldtown St			4	Cornerstone Village
DWS-907	Repair	Sewer	Construction	Between Grand River Ave & Lancashire St			1	North Rosedale Park
DWS-908	Repair	Sewer	Construction	Between Guilford St & Cadieux Rd			4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Between Guilford St & Cadieux Rd			4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Between Neff Ave & Hereford St			4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Between Neff Ave & Hereford St			4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Between Oldtown St & Bluehill St			4	Cornerstone Village
DWS-907	Repair	Sewer	Construction	Between Outer Dr W & Huntington Rd from McNichols Rd to Ver McNichols Rd		Verne St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Between Outer Dr W & Huntington Rd from McNichols Rd to Ver McNichols Rd		Verne St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Between Outer Dr W & Huntington Rd from McNichols Rd to Ver McNichols Rd		Verne St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Between Outer Dr W & Huntington Rd from McNichols Rd to Ver McNichols Rd		Verne St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Between Outer Dr W & Huntington Rd from McNichols Rd to Ver McNichols Rd		Verne St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Between Plainview Ave & Westmoreland Rd	McNichols Rd	Florence St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Between Plainview Ave & Westmoreland Rd	McNichols Rd	Florence St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Between Plainview Ave & Westmoreland Rd	McNichols Rd	Florence St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Between Rosemont Ave & Ashton Ave from Florence St to Midland St			1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Between Rosemont Ave & Ashton Rd from Pilgrim St to Midland St	Pilgrim St	Midland St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Between Rosemont Ave & Ashton Rd from Pilgrim St to Midland St	Pilgrim St	Midland St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Between Rosemont Ave & Ashton Rd from Pilgrim St to Midland St	Pilgrim St	Midland St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Between Rosemont Ave & Ashton Rd from Pilgrim St to Midland St	Pilgrim St	Midland St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Between Rosemont Ave & Glastonbury Ave from Puritan St to Pilg Puritan St	Puritan St	Pilgrim St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Between Rosemont Ave & Glastonbury Ave from Puritan St to Pilg Puritan St	Puritan St	Pilgrim St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Between Rosemont Ave & Glastonbury Ave from Puritan St to Pilg Puritan St	Puritan St	Pilgrim St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Between Rosemont Ave & Glastonbury Ave from Puritan St to Pilg Puritan St	Puritan St	Pilgrim St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Between Rosemont Ave & Glastonbury Ave from Puritan St to Pilg Puritan St	Puritan St	Pilgrim St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Between Rosemont Ave & Glastonbury Ave from Puritan St to Pilg Puritan St	Puritan St	Pilgrim St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Between Rosemont Ave & Glastonbury Rd from Florence St to Puritan St			1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Between Rosemont Ave & Glastonbury Rd From McNichols Rd to McNichols Rd		Verne St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Between Rosemont Ave & Glastonbury Rd From McNichols Rd to McNichols Rd		Verne St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Between Rosemont Ave & Glastonbury Rd From McNichols Rd to McNichols Rd		Verne St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Between Rosemont Ave & Glastonbury Rd From McNichols Rd to McNichols Rd		Verne St	1	North Rosedale Park
DWS-907	REPLACE	Sewer	Construction	Between Shaftsbury Ave & Warwick St from Grove St to Florence St			1	North Rosedale Park
DWS-907	REPLACE	Sewer	Construction	Between Shaftsbury Ave & Warwick St from Grove St to Florence St			1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Between Shaftsbury Ave & Warwick St from Grove St to Florence St			1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Between Shaftsbury Ave & Warwick St from Grove St to Florence St			1	North Rosedale Park

Project ID	Activity	Type	Phase	Location	Street From	Street To	District	Neighborhood
DWS-907	Repair	Sewer	Construction	Between Shaftsbury Ave & Warwick St from Grove St to Florence St			1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Between Shaftsbury Ave & Warwick St from Grove St to Florence St			1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Between Stahelin Ave & Avon Ave from Grove St to Verne St	Grove St	Verne St	1	North Rosedale Park
DWS-908	Repair	Sewer	Construction	Between University PL & Marseilles St			4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Between University PL & Marseilles St			4	Cornerstone Village
DWS-907	Repair	Sewer	Construction	Between Warwick St & Sunderland Rd	McNichols Rd	Grove St	1	North Rosedale Park
DWS-917	LINE	Sewer	Procurement	Blackstone St From Florence St To Puritan St	Florence St	Puritan St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Blackstone St From Puritan St To Florence St	Puritan St	Florence St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Blackstone St From Puritan St To Florence St	Puritan St	Florence St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Blackstone St From Puritan St To Florence St	Puritan St	Florence St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Blackstone St From Verne St To Florence St	Verne St	Florence St	1	Riverdale
DWS-917	REPLACE	Sewer	Procurement	Blackstone St From Verne St To Florence St	Verne St	Florence St	1	Riverdale
DWS-917	REPLACE	Sewer	Procurement	Blackstone St From Verne St To Florence St	Verne St	Florence St	1	Riverdale
DWS-917	CCTV	Sewer	Procurement	Blackstone St From Verne St To Grand River Ave	Verne St	Grand River Ave	1	Riverdale
DWS-917	CLEAN	Sewer	Procurement	Blackstone St From Verne St To Grand River Ave	Verne St	Grand River Ave	1	Riverdale
DWS-917	EPR	Sewer	Procurement	Blackstone St From Verne St To Grand River Ave	Verne St	Grand River Ave	1	Riverdale
WS-715	Replace	Water	Procurement	Blackstone St Grand River Avenue to Florence	Grand River Avenue	Florence	1	Riverdale
DWS-916		Sewer	Construction	Blaine St From 2nd Ave To Woodward Ave	2nd Ave	Woodward Ave	5	Piety Hill
DWS-908	Repair	Sewer	Construction	Bluehill from Chandler Park Drive to Southampton St	Chandler Park Dr	Southampton St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Bluehill from Chandler Park Drive to Southampton St	Chandler Park Dr	Southampton St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Bluehill St	Linville	Chandler Park Drive	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Bluehill St			4	Cornerstone Village
WS-712	Replace	Water	Construction	Bluehill St Chandler Park Dr southeast to Southampton St	Chandler Park Dr southeast	Southampton St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Bluehill St from Harper Ave to Berden St	Harper Ave	Berden St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Bluehill St from Harper Ave to Berden St	Harper Ave	Berden St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Bluehill St from Harper Ave to Berden St	Harper Ave	Berden St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Bluehill St from Harper Ave to Berden St	Harper Ave	Berden St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Bluehill St from Minneapolis St to Denver St	Minneapolis St	Denver St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Bluehill St from Minneapolis St to Denver St	Minneapolis St	Denver St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Bluehill St from Minneapolis St to Denver St	Minneapolis St	Denver St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Bluehill St from Minneapolis St to Denver St	Minneapolis St	Denver St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Bluehill St from Minneapolis St to Denver St	Minneapolis St	Denver St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Bluehill St from Minneapolis St to Denver St	Minneapolis St	Denver St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Bluehill St from Minneapolis St to Denver St	Minneapolis St	Denver St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Bluehill St from Minneapolis St to Denver St	Minneapolis St	Denver St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Bluehill St from Minneapolis St to Denver St	Minneapolis St	Denver St	4	Cornerstone Village
DWS-908	Replace	Sewer	Construction	Bluehill St from Minneapolis St to Denver St	Minneapolis St	Denver St	4	Cornerstone Village
WS-707	Repair	Water	Construction	Brace Warren to Paul	Warren	Paul	7	Warrendale
WS-715	Replace	Water	Procurement	Braile St Florence to Puritan	Florence	Puritan	1	Riverdale
DWS-917	EPRCOLLAPSE	Sewer	Procurement	Braile St From Verne St To Florence St	Verne St	Florence St	1	Riverdale
DWS-917	CUT_GRIND_I	Sewer	Procurement	Braile St From Verne St To Florence St	Verne St	Florence St	1	Riverdale
DWS-917	CCTV	Sewer	Procurement	Braile St From Florence St To Verne St	Florence St	Verne St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Braile St From Puritan St To Florence St	Puritan St	Florence St	1	Riverdale
DWS-917	EPR	Sewer	Procurement	Braile St From Puritan St To Florence St	Puritan St	Florence St	1	Riverdale
DWS-917	EPR	Sewer	Procurement	Braile St From Puritan St To Florence St	Puritan St	Florence St	1	Riverdale
DWS-917	EPR	Sewer	Procurement	Braile St From Puritan St To Florence St	Puritan St	Florence St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Braile St From Puritan St To Florence St	Puritan St	Florence St	1	Riverdale
WS-720	Replace	Water	Design	Bramell St	Belton	Constance st	7	Far West Detroit
WS-720	Replace	Water	Design	Bramell St	Tireman	Belton St	7	Far West Detroit
PC-808	TPR-Liner	Sewer	Procurement	Bramell St From Constance To Belton	Constance	Belton	7	Far West Detroit
DWS-917	EPR	Sewer	Procurement	Bramell St From Florence St To Puritan St	Florence St	Puritan St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Bramell St From Florence St To Puritan St	Florence St	Puritan St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Bramell St From Florence St To Verne St	Florence St	Verne St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Bramell St From Grove St To McNichols Rd W	Grove St	McNichols Rd W	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Bramell St From McNichols Rd W To Grove St	McNichols Rd W	Grove St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Bramell St From Puritan St To Florence St	Puritan St	Florence St	1	Riverdale
PC-808	LINE	Sewer	Procurement	Bramell St From Tireman To Belton	Tireman	Belton	7	Far West Detroit
DWS-917	LINE	Sewer	Procurement	Bramell St From Verne St To Florence St	Verne St	Florence St	1	Riverdale
PC-808		Sewer	Procurement	Bramell St From Warren Ave & Majestic	Warren Ave	Majestic	7	Far West Detroit
PC-808		Sewer	Procurement	Bramell St From Warren Ave & Majestic	Warren Ave	Majestic	7	Far West Detroit



Project ID	Activity	Type	Phase	Location	Street From	Street To	District	Neighborhood
DWS-917	LINE	Sewer	Procurement	Burt Rd From Florence St To Puritan St	Florence St	Puritan St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Burt Rd From Florence St To Verne St	Florence St	Verne St	1	Riverdale
DWS-932	CLEAN	Sewer	Procurement	Burt Rd From Grand River Ave To Verne St	Grand River Ave	Verne St	1	Riverdale
DWS-932	CLEAN	Sewer	Procurement	Burt Rd From Grand River Ave To Verne St	Grand River Ave	Verne St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Burt Rd From Puritan St To Florence St	Puritan St	Florence St	1	Riverdale
DWS-917	CCTV	Sewer	Procurement	Burt Rd From Verne St To Florence St	Verne St	Florence St	1	Riverdale
DWS-917	CCTV	Sewer	Procurement	Burt Rd From Verne St To Florence St	Verne St	Florence St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Burt Rd From Verne St To Florence St	Verne St	Florence St	1	Riverdale
WS-715	Replace	Water	Procurement	Burt Rd McNichols Rd to Grand River Ave	McNichols Rd	Grand River Ave	1	Miler Grove
CS-1909A	Repair	Water	Procurement	Burt Road Seven Mile to Vassar	Seven Mile	Vassar	1	Evergreen Lahser 7/8
WS-715	Replace	Water	Procurement	Burt St Grand River Avenue to Florence	Grand River Avenue	Florence	1	Riverdale
WS-712	Repair	Water	Construction	Cadieux Rd Warren Ave to New York St	Warren Ave	New York St	4	Cornerstone Village
CS-1909A	Repair	Water	Procurement	Cadieux Road Harper Avenue to Munich Avenue	Harper Avenue	Munich Avenue	4	East English Village
WS-712	Replace	Water	Construction	Canyon St Edsel Ford Service Dr southeast to Rockcastle Dr	Edsel Ford Service Dr southeast	Rockcastle Dr	4	Cornerstone Village
WS-712	Replace	Water	Construction	Canyon St Mallina St southeast to Berden St	Mallina St southeast	Berden St	4	Cornerstone Village
WS-712	Replace	Water	Construction	Canyon St Warren Ave south to Mack Ave	Warren Ave south	Mack Ave	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Canyon St from Chester St to Moon St	Chester St	Moon St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Canyon St from Chester St to Moon St	Chester St	Moon St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Canyon St from Chester St to Moon St	Chester St	Moon St	4	Cornerstone Village
DWS-908	Replace	Sewer	Construction	Canyon St from Chester Street to Eastment SW of Chester St	Chester St	Easement SW of Chester St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Canyon St from Edgefield St to Chester St	Edgefield St	Chester St	4	Cornerstone Village
WS-712	Replace	Water	Construction	Canyon St northeast of Badluck Memorial Park (north)	Canyon	Balduck Park Paring Lot	4	Cornerstone Village
CS-1909A	Repair	Water	Procurement	Cathedral Grandville to Southfield Freeway	Grandville	Southfield Freeway	7	Franklin Park
WS-720	Replace	Water	Design	Cathedral St	Cathedral St	Cathedral St	7	Franklin Park
WS-715	Replace	Water	Procurement	Chalfonte St Artesian to Stahelin	Artesian	Stahelin	1	Rosedale Park
DWS-918	REPLACE	Sewer	Procurement	Chalfonte St From Artesian St To Stahelin Ave	Artesian St	Stahelin Ave	1	Rosedale Park
DWS-918	EPR	Sewer	Procurement	Chalfonte St From Artesian St To Stahelin Ave	Artesian St	Stahelin Ave	1	Rosedale Park
DWS-918		Sewer	Procurement	Chalfonte St From Ashton Rd To Southfield Fwy	Ashton Rd	Southfield Fwy	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Chalfonte St From Ashton Rd To Southfield Fwy	Ashton Rd	Southfield Fwy	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Chalfonte St From Ashton Rd To Southfield Fwy	Ashton Rd	Southfield Fwy	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Chalfonte St From Ashton Rd To Southfield Fwy	Ashton Rd	Southfield Fwy	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Chalfonte St From Ashton Rd To Southfield Fwy	Ashton Rd	Southfield Fwy	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Chalfonte St From Ashton Rd To Southfield Fwy	Ashton Rd	Southfield Fwy	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Chalfonte St From Ashton Rd To Southfield Fwy	Ashton Rd	Southfield Fwy	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Chalfonte St From Ashton Rd To Southfield Fwy	Ashton Rd	Southfield Fwy	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Chalfonte St From Faust Ave To Greenview Rd	Faust Ave	Greenview Rd	1	Rosedale Park
DWS-918	REPLACE	Sewer	Procurement	Chalfonte St From Faust Ave To Penrod St	Faust Ave	Penrod St	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Chalfonte St From Faust Ave To Rosemont Ave	Faust Ave	Rosemont Ave	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Chalfonte St From Glastonbury Ave To Faust Ave	Glastonbury Ave	Faust Ave	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Chalfonte St From Glastonbury Ave To Greenview Rd	Greenview Rd	Glastonbury Ave	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Chalfonte St From Grandville Ave To Piedmont St	Grandville Ave	Piedmont St	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Chalfonte St From Grandville Ave To Piedmont St	Grandville Ave	Piedmont St	1	Rosedale Park
DWS-918	TPR-Liner	Sewer	Procurement	Chalfonte St From Grandville Ave To Westwood St	Grandville Ave	Westwood St	1	Rosedale Park
DWS-918	TPR-Liner	Sewer	Procurement	Chalfonte St From Grandville Ave To Westwood St	Grandville Ave	Westwood St	1	Rosedale Park
DWS-918	CLEAN	Sewer	Procurement	Chalfonte St From Greenview Rd To Penrod St	Greenview Rd	Penrod St	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Chalfonte St From Penrod St To Rosemont Ave	Penrod St	Rosemont Ave	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Chalfonte St From Penrod St To Rosemont Ave	Penrod St	Rosemont Ave	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Chalfonte St From Piedmont St To Warwick St	Piedmont St	Warwick St	1	Rosedale Park
DWS-918	CLEAN	Sewer	Procurement	Chalfonte St From Piedmont St To Warwick St	Piedmont St	Warwick St	1	Rosedale Park
DWS-918		Sewer	Procurement	Chalfonte St From Rosemont Ave To Ashton Rd	Rosemont Ave	Ashton Rd	1	Rosedale Park
DWS-918	EPR	Sewer	Procurement	Chalfonte St From Rosemont Ave To Ashton Rd	Rosemont Ave	Ashton Rd	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Chalfonte St From Stahelin Ave To Artesian St	Stahelin Ave	Artesian St	1	Rosedale Park
DWS-932	LINE	Sewer	Procurement	Chalfonte St From Stahelin Ave To Glastonbury Ave	Stahelin Ave	Glastonbury Ave	1	Rosedale Park
DWS-918	EPR	Sewer	Procurement	Chalfonte St From Stahelin Ave To Glastonbury Ave	Stahelin Ave	Glastonbury Ave	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Chalfonte St From Stahelin Ave To Greenview Rd	Stahelin Ave	Greenview Rd	1	Rosedale Park
WS-713	Replace	Water	Design	Chalmers Freud to Jefferson	Freud	Jefferson	4	Jefferson Chalmers
CS-1909A	Repair	Water	Procurement	Chalmers Ave. Mack Avenue to Jefferson Avenue	Mack Avenue	Jefferson Avenue	4	Fox Creek
CS-1909A	Repair	Water	Procurement	Chalmers Ave. Mack Avenue to Jefferson Avenue	Mack Avenue	Jefferson Avenue	4	Von Steuben
CS-1909A	Repair	Water	Procurement	Chalmers Ave. Warren Avenue to Mack Avenue	Warren Avenue	Mack Avenue	4	Fox Creek
WS-713	Replace	Water	Design	Chalmers Essex to Scripps	Essex	Scripps	4	Jefferson Chalmers
DWS-908	Repair	Sewer	Construction	Chander Park Drive between Neff Ave and Hereford St	Neff Ave	Hereford St	4	Cornerstone Village
WS-712	Replace	Water	Construction	Chandler Park Dr Cadieux Rd northeast to Bluehill St	Cadieux Rd northeast	Bluehill St	4	Cornerstone Village

Project ID	Activity	Type	Phase	Location	Street From	Street To	District	Neighborhood
WS-712	Replace	Water	Construction	Chandler Park Dr Lannoo St northeast to Moross Rd	Lannoo St northeast	Moross Rd	4	Cornerstone Village
WS-712	Replace	Water	Construction	Chandler Park Dr Lodewyck St northeast to Radnor St	Lodewyck St northeast	Radnor St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Chandler Park Dr at Intersection of Oldtown	Oldtown St	Oldtown St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Chandler Park Drive between Guilford St and Woodhall St	Guilford St	Woodhall St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Chandler Park Drive between Guilford St and Woodhall St	Guilford St	Woodhall St	4	Cornerstone Village
WS-710	Repair	Water	Procurement	Chandler Park Drive Three Mile to Cadieux	Three Mile	Cadieux	4	East English Village
DWS-917	REPLACE	Sewer	Procurement	Chapel St			1	Riverdale
DWS-917	EPRCOLLAPSE	Sewer	Procurement	Chapel St			1	Riverdale
DWS-917	LINE	Sewer	Procurement	Chapel St			1	Riverdale
DWS-917	CCTV	Sewer	Procurement	Chapel St From McNichols Rd W	McNichols Rd W		1	Riverdale
CS-1909A	Repair	Water	Procurement	Chatham Orangelawn to Plymouth	Orangelawn	Plymouth	7	West Outer Drive
WS-720	Replace	Water	Design	Chatham St	Sawyer St	Warren Ave W	7	Far West Detroit
DWS-917	LINE	Sewer	Procurement	Chatham St From Florence St To Puritan St	Florence St	Puritan St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Chatham St From Florence St To Verne St	Florence St	Verne St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Chatham St From Florence St To Verne St	Florence St	Verne St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Chatham St From Florence St To Verne St	Florence St	Verne St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Chatham St From Grove St To McNichols Rd W	Grove St	McNichols Rd W	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Chatham St From Grove St To McNichols Rd W	Grove St	McNichols Rd W	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Chatham St From Puritan St To Florence St	Puritan St	Florence St	1	Riverdale
PC-808	LINE	Sewer	Procurement	Chatham St From Tireman To Sawyer	Tireman	Sawyer	7	Far West Detroit
PC-808	LINE	Sewer	Procurement	Chatham St From Warren Ave W To Majestic	Warren Ave W	Majestic	7	Far West Detroit
WS-712	Replace	Water	Construction	Chester St and Marseilles St intersection	Maseilles	Farmbrook	4	Cornerstone Village
WS-712	Replace	Water	Construction	Chester St at Neff Ave intersection	Neff Ave	125 FT West	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Chester St at Neff Ave intersection	Neff Ave	Neff Ave	4	Cornerstone Village
DWS-916		Sewer	Construction	Chrysler Dr	Elliot St	Wilkins St	5	Brewster Homes
DWS-916	Clean	Sewer	Construction	Chrysler Dr	Alfred St	Wilkins St	5	Brewster Douglas
DWS-916	CUT_GRIND_I	Sewer	Construction	Chrysler Dr	Wilkins St	Mack Ave	5	Brewster Homes
DWS-916	Clean	Sewer	Construction	Chrysler Dr	St Antoine St	Alfred St	5	Brewster Douglas
DWS-916		Sewer	Construction	Chrysler Dr	Wilkins St	Mack Ave	5	Brewster Homes
DWS-916		Sewer	Construction	Chrysler Dr	Wilkins St	Eliot St	5	Eastern Market
DWS-916	CUT_GRIND_I	Sewer	Construction	Chrysler Dr	Wilkins St	Alfred St	5	Brewster Douglas
DWS-916	Clean	Sewer	Construction	Chrysler Dr	Wilkins St	Mack Ave	5	Brewster Homes
DWS-916	Clean	Sewer	Construction	Chrysler Dr From Canfield St E To Wilkins St	Canfield St	Wilkins St	5	Brewster Homes
DWS-916	CUT_GRIND_I	Sewer	Construction	Chrysler Dr From Mack Ave To Wilkins St	Mack Ave	Wilkins St	5	Brewster Homes
DWS-916	Clean	Sewer	Construction	Chrysler Dr From Mack Ave To Wilkins St	Mack Ave	Wilkins St	5	Brewster Homes
DWS-916	Clean	Sewer	Construction	Chrysler Dr From Mack Ave To Wilkins St	Mack Ave	Wilkins St	5	Brewster Homes
DWS-916	Clean	Sewer	Construction	Chrysler Dr From Mack Ave To Wilkins St	Mack Ave	Wilkins St	5	Brewster Homes
DWS-916	Clean	Sewer	Construction	Chrysler Dr From Mack Ave To Wilkins St	Mack Ave	Wilkins St	5	Brewster Homes
DWS-916	Clean	Sewer	Construction	Chrysler Dr From Mack Ave To Wilkins St	Mack Ave	Wilkins St	5	Brewster Homes
DWS-916	Clean	Sewer	Construction	Chrysler Dr From St Antoine St To Alfred St	Antoine St	To Alfred St	5	Brewster Douglas
DWS-916	Line	Sewer	Construction	Chrysler Dr From St Antoine St To Alfred St	St Antoine St	Alfred St	5	Brewster Douglas
DWS-916	Clean	Sewer	Construction	Chrysler Dr From Wilkins St To Leland St	Wilkins St	Leland St	5	Brewster Homes
DWS-916		Sewer	Construction	Chrysler Dr From Wilkins St To Mack Ave	Wilkins St	Mack Ave	5	Brewster Homes
DWS-916	EPR	Sewer	Construction	Chrysler Dr From Wilkins St To Mack Ave	Wilkins St	Mack Ave	5	Brewster Homes
DWS-916	Line	Sewer	Construction	Chrysler Dr From Wilkins St To Mack Ave	Wilkins St	Mack Ave	5	Brewster Homes
DWS-916	CUT_GRIND_I	Sewer	Construction	Chrysler Dr From Wilkins St To Mack Ave	Wilkins St	Mack Ave	5	Brewster Homes
DWS-916	Clean	Sewer	Construction	Chrysler Dr From Wilkins St To Mack Ave	Wilkins St	Mack Ave	5	Brewster Homes
WS-712	Replace	Water	Construction	Cincinnati St Cadieux Rd northeast to end of street	Cadieux Rd northeast	end of street	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Cincinnati St near Intersection with Cadieux	Cadieux Rd	Guilford St	4	Cornerstone Village
CS-1909A	Repair	Water	Procurement	Clairview (Btwn Windsor & Waveny) Neff to Westward to Dead I Neff	Neff	Westward to Dead End	4	Cornerstone Village
WS-707	Repair	Water	Construction	Codding Grand River to Margareta	Grand River	Margareta	1	Seven Mile-Rouge
WS-713	Replace	Water	Design	Conner Essex to Gate Valve at Park	Essex	Park	4	Jefferson Chalmers
PC-808	LINE	Sewer	Procurement	Constance & Bramell St Intersection			7	Far West Detroit
PC-808	LINE	Sewer	Procurement	Constance From W Parkway St To Beaverland St	W Parkway St	Beaverland St	7	Far West Detroit
PC-808	LINE	Sewer	Procurement	Constance St From Beaverland St To Bramell St	Beaverland St	Bramell St	7	Far West Detroit
WS-713	Replace	Water	Design	Continental Freud to Jefferson	Freud	Jefferson	4	Jefferson Chalmers
CS-1909A	Repair	Water	Procurement	Cooley Pembroke to St. Martins	Pembroke	St. Martins	1	Berg-Lahser
DWS-908	Repair	Sewer	Construction	Cornwall Cadieux to Guilford	Cadieux	Guilford	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Cornwall Cadieux to Guilford	Cadieux		4	Cornerstone Village
WS-707	Repair	Water	Construction	Coyle Fenkell to Grand River	Fenkell	Grand River	1	Hubbell-Lyndon
WS-720	Replace	Water	Design	Curtis to Margareta	Curtis	Margareta	1	Evergreen-Outer Drive





Project ID	Activity	Type	Phase	Location	Street From	Street To	District	Neighborhood
DWS-916	Line	Sewer	Construction	Easement between 3rd St & John C Lodge Fwy	3rd St	John C Lodge Fwy	5	Piety Hill
DWS-916	Line	Sewer	Construction	Easement between 3rd St & John C Lodge Fwy	3rd St	John C Lodge Fwy	5	Piety Hill
DWS-916	Clean	Sewer	Construction	Easement between 3rd St & Seville Row	3rd St	Seville Row	5	New Center Commons
DWS-918		Sewer	Procurement	Easement between Acacia St & Lyndon St	Acacia St	Lyndon St	1	Rosedale Park
DWS-918		Sewer	Procurement	Easement between Acacia St & Lyndon St	Acacia St	Lyndon St	1	Rosedale Park
DWS-918	EPR	Sewer	Procurement	Easement between Acacia St & Lyndon St	Acacia St	Lyndon St	1	Rosedale Park
DWS-918	CUT_GRIND_I	Sewer	Procurement	Easement between Acacia St & Lyndon St	Acacia St	Lyndon St	1	Rosedale Park
DWS-918	TPR-Liner	Sewer	Procurement	Easement between Acacia St & Lyndon St	Acacia St	Lyndon St	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Easement between Acacia St & Lyndon St	Acacia St	Lyndon St	1	Rosedale Park
DWS-918	EPR	Sewer	Procurement	Easement between Acacia St & Lyndon St	Acacia St	Lyndon St	1	Rosedale Park
DWS-918	TPR-Liner	Sewer	Procurement	Easement between Acacia St & Lyndon St	Acacia St	Lyndon St	1	Rosedale Park
DWS-918	EPR	Sewer	Procurement	Easement between Acacia St & Lyndon St	Acacia St	Lyndon St	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Easement between Acacia St & Lyndon St	Acacia St	Lyndon St	1	Rosedale Park
PC-808	LINE	Sewer	Procurement	Easement between Ann Arbor Trl & Edward N Hines Dr	Ann Arbor Trl	Edward N Hines Dr	7	Far West Detroit
PC-808	LINE	Sewer	Procurement	Easement between Ann Arbor Trl & Edward N Hines Dr	Ann Arbor Trl	Edward N Hines Dr	7	Far West Detroit
PC-808	TPR-Liner	Sewer	Procurement	Easement between Ann Arbor Trl & Sawyer St	Ann Arbor Trl	Sawyer St	7	Far West Detroit
DWS-932	CLEAN	Sewer	Procurement	Easement between Artesian St & Stahelin Ave	Artesian St	Stahelin Ave	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Easement between Artesian St & Stahelin Ave	Artesian St	Stahelin Ave	1	Rosedale Park
DWS-918	REPLACE	Sewer	Procurement	Easement between Ashton Rd & Southfield Fwy	Ashton Rd	Southfield Fwy	1	Rosedale Park
DWS-916	Line	Sewer	Construction	Easement between Atkinson St & Clairmount St	Atkinson St	Clairmount St	5	Piety Hill
DWS-916	Line	Sewer	Construction	Easement between Beaubien St & East St	Beaubien St	East St	5	Brewster Homes
DWS-916	Clean	Sewer	Construction	Easement between Beaubien St & West St	Beaubien St	West St	5	Brewster Homes
DWS-916	Line	Sewer	Construction	Easement between Beaubien St & West St	Beaubien St	West St	5	Brewster Homes
PC-808		Sewer	Procurement	Easement between Beaverland St & Parkland	Beaverland St	Parkland	7	Far West Detroit
PC-808	LINE	Sewer	Procurement	Easement between Beaverland St & Parkland	Beaverland St	Parkland	7	Far West Detroit
PC-808	LINE	Sewer	Procurement	Easement between Beaverland St & Parkland	Beaverland St	Parkland	7	Far West Detroit
PC-808	LINE	Sewer	Procurement	Easement between Belton & Constance	Belton	Constance	7	Far West Detroit
PC-808	LINE	Sewer	Procurement	Easement between Belton & Constance St	Belton	Constance St	7	Far West Detroit
PC-808	LINE	Sewer	Procurement	Easement between Belton & Tireman	Belton	Tireman	7	Far West Detroit
PC-808	LINE	Sewer	Procurement	Easement between Belton & Tireman	Belton	Tireman	7	Far West Detroit
PC-808	LINE	Sewer	Procurement	Easement between Belton & Tireman	Belton	Tireman	7	Far West Detroit
PC-808	LINE	Sewer	Procurement	Easement between Belton & Tireman	Belton	Tireman	7	Far West Detroit
PC-808	LINE	Sewer	Procurement	Easement between Belton & Tireman	Belton	Tireman	7	Far West Detroit
PC-808	LINE	Sewer	Procurement	Easement between Belton Ln & Tireman	Belton Ln	Tireman	7	Far West Detroit
PC-808	LINE	Sewer	Procurement	Easement between Belton Ln & Constance St	Belton Ln	Constance St	7	Far West Detroit
PC-808	LINE	Sewer	Procurement	Easement between Belton Ln & Constance St	Belton Ln	Constance St	7	Far West Detroit
DWS-917	LINE	Sewer	Procurement	Easement between Bentler St & Chapel St	Bentler St	Chapel St	1	Riverdale
DWS-916	CUT_GRIND_I	Sewer	Construction	Easement between Benton St & West St	Benton St	West St	5	Brewster Homes
DWS-916	CUT_GRIND_I	Sewer	Construction	Easement between Benton St & West St	Benton St	West St	5	Brewster Homes
DWS-916		Sewer	Construction	Easement between Bethune Ct & 2nd Ave	Bethune Ct	2nd Ave	5	New Center Commons
DWS-916	Line	Sewer	Construction	Easement between Bethune Ct & 2nd Ave	Bethune Ct	2nd Ave	5	New Center Commons
DWS-916	Line	Sewer	Construction	Easement between Bethune Ct & Pallister St	Bethune Ct	Pallister St	5	New Center Commons
DWS-916	Clean	Sewer	Construction	Easement between Bethune St W & Lothrop Rd	Bethune St W	Lothrop Rd	5	New Center Commons
DWS-916	Line	Sewer	Construction	Easement between Bethune St W & Lothrop Rd	Bethune St W	Lothrop Rd	5	New Center
DWS-917	CCTV	Sewer	Procurement	Easement between Blackstone St & Trinity St	Blackstone St	Trinity St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Easement between Blackstone St & Trinity St	Blackstone St	Trinity St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Easement between Blackstone St & Trinity St	Blackstone St	Trinity St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Easement between Blackstone St & Trinity St	Blackstone St	Trinity St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Easement between Blackstone St & Westbrook St	Blackstone St	Westbrook St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Easement between Blackstone St & Westbrook St	Blackstone St	Westbrook St	1	Riverdale
DWS-916	Line	Sewer	Construction	Easement between Blaine St & Pingree St	Blaine St	Pingree St	5	Piety Hill
DWS-916	Line	Sewer	Construction	Easement between Blaine St & Pingree St	Blaine St	Pingree St	5	Piety Hill
DWS-917	TPR-Liner	Sewer	Procurement	Easement between Braile St & Patton St	Braile St	Patton St	1	Riverdale
PC-808	LINE	Sewer	Procurement	Easement between Bramell St & Beaverland St	Bramell St	Beaverland St	7	Far West Detroit
PC-808	LINE	Sewer	Procurement	Easement between Bramell St & Beaverland St	Bramell St	Beaverland St	7	Far West Detroit
PC-808	ABANDON	Sewer	Procurement	Easement between Bramell St & Chatham St	Bramell St	Chatham St	7	Far West Detroit
PC-808	LINE	Sewer	Procurement	Easement between Bramell St & Chatham St	Bramell St	Chatham St	7	Far West Detroit
PC-808	LINE	Sewer	Procurement	Easement between Bramell St & Chatham St	Bramell St	Chatham St	7	Far West Detroit
PC-808	LINE	Sewer	Procurement	Easement between Bramell St & Chatham St	Bramell St	Chatham St	7	Far West Detroit
PC-808	LINE	Sewer	Procurement	Easement between Bramell St & Chatham St	Bramell St	Chatham St	7	Far West Detroit









Project ID	Activity	Type	Phase	Location	Street From	Street To	District	Neighborhood
PC-808	CLEAN	Sewer	Procurement	Easement between Majestic & Sawyer	Majestic	Sawyer	7	Far West Detroit
PC-808	CLEAN	Sewer	Procurement	Easement between Majestic & Sawyer	Majestic	Sawyer	7	Far West Detroit
PC-808	CUT_GRIND_I	Sewer	Procurement	Easement between Majestic & Sawyer	Majestic	Sawyer	7	Far West Detroit
PC-808	CLEAN	Sewer	Procurement	Easement between Majestic & Sawyer	Majestic	Sawyer	7	Far West Detroit
PC-808	CLEAN	Sewer	Procurement	Easement between Majestic & Sawyer	Majestic	Sawyer	7	Far West Detroit
PC-808	CLEAN	Sewer	Procurement	Easement between Majestic & Sawyer	Majestic	Sawyer	7	Far West Detroit
PC-808	CLEAN	Sewer	Procurement	Easement between Majestic & Sawyer	Majestic	Sawyer	7	Far West Detroit
PC-808	LINE	Sewer	Procurement	Easement between Majestic & Sawyer St	Majestic	Sawyer St	7	Far West Detroit
PC-808	CLEAN	Sewer	Procurement	Easement between Majestic & Warren Ave W	Majestic	Warren Ave W	7	Far West Detroit
PC-808	CLEAN	Sewer	Procurement	Easement between Majestic & Warren Ave W	Majestic	Warren Ave W	7	Far West Detroit
PC-808	CLEAN	Sewer	Procurement	Easement between Majestic & Warren Ave W	Majestic	Warren Ave W	7	Far West Detroit
PC-808	CLEAN	Sewer	Procurement	Easement between Majestic & Warren Ave W	Majestic	Warren Ave W	7	Far West Detroit
PC-808	CLEAN	Sewer	Procurement	Easement between Majestic & Warren Ave W	Majestic	Warren Ave W	7	Far West Detroit
PC-808	CLEAN	Sewer	Procurement	Easement between Majestic & Warren Ave W	Majestic	Warren Ave W	7	Far West Detroit
PC-808	CLEAN	Sewer	Procurement	Easement between Majestic & Warren Ave W	Majestic	Warren Ave W	7	Far West Detroit
PC-808	CLEAN	Sewer	Procurement	Easement between Majestic & Warren Ave W	Majestic	Warren Ave W	7	Far West Detroit
DWS-918	CLEAN	Sewer	Procurement	Easement between Midland St & Grand River Ave	Midland St	Grand River Ave	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Easement between Midland St & Grand River Ave	Midland St	Grand River Ave	1	Rosedale Park
DWS-918	CLEAN	Sewer	Procurement	Easement between Midland St & Keeler St	Midland St	Keeler St	1	Rosedale Park
DWS-918	CLEAN	Sewer	Procurement	Easement between Midland St & Keeler St	Midland St	Keeler St	1	Rosedale Park
DWS-918	CLEAN	Sewer	Procurement	Easement between Midland St & Keeler St	Midland St	Keeler St	1	Rosedale Park
DWS-916	Line	Sewer	Construction	Easement between Pallister St & Delaware St	Pallister St	Delaware St	5	New Center Commons
DWS-916	Line	Sewer	Construction	Easement between Pallister St & Delaware St	Pallister St	Delaware St	5	New Center Commons
PC-808	LINE	Sewer	Procurement	Easement between Parkland & Belton	Parkland	Belton	7	Far West Detroit
PC-808		Sewer	Procurement	Easement between Parkland & Bramell St	Parkland	Bramell St	7	Far West Detroit
PC-808	LINE	Sewer	Procurement	Easement between Parkland & Chatham St	Parkland	Chatham St	7	Far West Detroit
PC-808	LINE	Sewer	Procurement	Easement between Parkland & Constance	Parkland	Constance	7	Far West Detroit
PC-808	LINE	Sewer	Procurement	Easement between Parkland & Constance	Parkland	Constance	7	Far West Detroit
PC-808	LINE	Sewer	Procurement	Easement between Parkland & Constance	Parkland	Constance	7	Far West Detroit
PC-808	CLEAN	Sewer	Procurement	Easement between Parkland & Dolphin St	Parkland	Dolphin St	7	Far West Detroit
PC-808	CLEAN	Sewer	Procurement	Easement between Parkland St & Dolphin St	Parkland St	Dolphin St	7	Far West Detroit
DWS-917	LINE	Sewer	Procurement	Easement between Patton St & Fielding St	Patton St	Fielding St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Easement between Patton St & Fielding St	Patton St	Fielding St	1	Riverdale
DWS-918	LINE	Sewer	Procurement	Easement between Penrod St & Rosemont Ave	Penrod St	Rosemont Ave	1	Rosedale Park
DWS-916	Line	Sewer	Construction	Easement between Pingree St & Philadelphia St W	Pingree St	Philadelphia St W	5	Piety Hill
DWS-917	CCTV	Sewer	Procurement	Easement between Puritan St & Florence St	Puritan St	Florence St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Easement between Puritan St & Florence St	Puritan St	Florence St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Easement between Puritan St & Florence St	Puritan St	Florence St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Easement between Puritan St & Florence St	Puritan St	Florence St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Easement between Puritan St & Florence St	Puritan St	Florence St	1	Riverdale
DWS-917	TPR-Liner	Sewer	Procurement	Easement between Puritan St & Florence St	Puritan St	Florence St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Easement between Puritan St & Florence St	Puritan St	Florence St	1	Riverdale
DWS-917	CLEAN	Sewer	Procurement	Easement between Puritan St & Florence St	Puritan St	Florence St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Easement between Puritan St & Florence St	Puritan St	Florence St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Easement between Puritan St & Florence St	Puritan St	Florence St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Easement between Puritan St & Florence St	Puritan St	Florence St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Easement between Puritan St & Grand River Ave	Puritan St	Grand River Ave	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Easement between Puritan St & Grand River Ave	Puritan St	Grand River Ave	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Easement between Puritan St & Pilgrim St	Puritan St	Pilgrim St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Easement between Riverview St & Telegraph Rd	Riverview St	Telegraph Rd	1	Riverdale
DWS-917	TPR-Liner	Sewer	Procurement	Easement between Rockdale St & Lahser Rd	Rockdale St	Lahser Rd	1	Riverdale
DWS-917	TPR-Liner	Sewer	Procurement	Easement between Rockdale St & Lahser Rd	Rockdale St	Lahser Rd	1	Riverdale
DWS-917	TPR-Liner	Sewer	Procurement	Easement between Rockdale St & Lahser Rd	Rockdale St	Lahser Rd	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Easement between Rockdale St & Lahser Rd	Rockdale St	Lahser Rd	1	Riverdale
PC-808		Sewer	Procurement	Easement between Rockdale St & Parkland	Rockdale St	Parkland	7	Far West Detroit
PC-808	LINE	Sewer	Procurement	Easement between Rockdale St & Parkland	Rockdale St	Parkland	7	Far West Detroit
PC-808	CLEAN	Sewer	Procurement	Easement between Rockdale St & Sawyer	Rockdale St	Sawyer	7	Far West Detroit
PC-808	LINE	Sewer	Procurement	Easement between Sawyer & Majestic	Sawyer	Majestic	7	Far West Detroit
PC-808	CLEAN	Sewer	Procurement	Easement between Sawyer & Majestic	Sawyer	Majestic	7	Far West Detroit
PC-808	CLEAN	Sewer	Procurement	Easement between Sawyer & Majestic	Sawyer	Majestic	7	Far West Detroit

Project ID	Activity	Type	Phase	Location	Street From	Street To	District	Neighborhood
PC-808	CLEAN	Sewer	Procurement	Easement between Sawyer & Majestic	Sawyer	Majestic	7	Far West Detroit
PC-808	EPR	Sewer	Procurement	Easement between Sawyer & Parkland	Sawyer	Parkland	7	Far West Detroit
PC-808	LINE	Sewer	Procurement	Easement between Sawyer & Parkland	Sawyer	Parkland	7	Far West Detroit
PC-808	CLEAN	Sewer	Procurement	Easement between Sawyer & Tireman	Tireman	Tireman	7	Far West Detroit
PC-808	LINE	Sewer	Procurement	Easement between Sawyer & Tireman	Sawyer	Tireman	7	Far West Detroit
PC-808	CLEAN	Sewer	Procurement	Easement between Sawyer & Tireman	Sawyer	Tireman	7	Far West Detroit
PC-808	CLEAN	Sewer	Procurement	Easement between Sawyer & Tireman	Sawyer	Tireman	7	Far West Detroit
PC-808	CLEAN	Sewer	Procurement	Easement between Sawyer & Tireman	Sawyer	Tireman	7	Far West Detroit
PC-808	CLEAN	Sewer	Procurement	Easement between Sawyer & Tireman	Sawyer	Tireman	7	Far West Detroit
PC-808	CLEAN	Sewer	Procurement	Easement between Sawyer & Tireman	Sawyer	Tireman	7	Far West Detroit
PC-808	CLEAN	Sewer	Procurement	Easement between Sawyer & Tireman	Sawyer	Tireman	7	Far West Detroit
PC-808	CLEAN	Sewer	Procurement	Easement between Sawyer St & Ann Arbor Trl	Sawyer St	Ann Arbor Trl	7	Far West Detroit
PC-808	LINE	Sewer	Procurement	Easement between Sawyer St & Tireman	Sawyer St	Tireman	7	Far West Detroit
PC-808		Sewer	Procurement	Easement between Sawyer St & Tireman	Sawyer St	Tireman	7	Far West Detroit
PC-808	LINE	Sewer	Procurement	Easement between Sawyer St & Tireman St	Sawyer St	Tireman St	7	Far West Detroit
DWS-916	Clean	Sewer	Construction	Easement between Seward St & Delaware St	Seward St	Delaware St	5	New Center Commons
DWS-916	Line	Sewer	Construction	Easement between Seward St & Virginia Park St	Seward St	Virginia Park St	5	New Center Commons
DWS-916	Line	Sewer	Construction	Easement between Seward St & Virginia Park St		Virginia Park St	5	New Center Commons
DWS-916	Clean	Sewer	Construction	Easement between St Antoine St & Beaubien St	St Antoine St	Beaubien St	5	Brewster Homes
DWS-916	Clean	Sewer	Construction	Easement between St Antoine St & Beaubien St	St Antoine St	Beaubien St	5	Brewster Homes
DWS-916	Line	Sewer	Construction	Easement between St Antoine St & Beaubien St	St Antoine St	Beaubien St	5	Brush Park
DWS-916	Line	Sewer	Construction	Easement between St Antoine St & Chrysler Dr	St Antoine St	Chrysler Dr	5	Brewster Douglas
DWS-916	Line	Sewer	Construction	Easement between St Antoine St & Winder St	St Antoine St	Winder St	5	Brewster Douglas
DWS-916	Line	Sewer	Construction	Easement between St Antoine St & Winder St	St Antoine St	Winder St	5	Brewster Douglas
DWS-918	CLEAN	Sewer	Procurement	Easement between Stahelin Ave & Glastonbury Ave	Stahelin Ave	Glastonbury Ave	1	Rosedale Park
DWS-918	CLEAN	Sewer	Procurement	Easement between Stahelin Ave & Glastonbury Ave	Stahelin Ave	Glastonbury Ave	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Easement between Stahelin Ave & Glastonbury Ave	Stahelin Ave	Glastonbury Ave	1	Rosedale Park
DWS-932	LINE	Sewer	Procurement	Easement between Stahelin Ave & Glastonbury Ave	Stahelin Ave	Glastonbury Ave	1	Rosedale Park
DWS-916	Line	Sewer	Construction	Easement between Taylor St & Hazelwood St	Taylor St	Hazelwood St	5	Piety Hill
DWS-916	Line	Sewer	Construction	Easement between Taylor St & Hazelwood St	Taylor St	Hazelwood St	5	Piety Hill
DWS-917	CCTV	Sewer	Procurement	Easement between Telegraph Rd & Riverview St	Telegraph Rd	Riverview St	1	Riverdale
PC-808	LINE	Sewer	Procurement	Easement between Tireman & Belton Ln	Tireman	Belton Ln	7	Far West Detroit
PC-808	CLEAN	Sewer	Procurement	Easement between Tireman & Sawyer	Tireman	Sawyer	7	Far West Detroit
PC-808	CLEAN	Sewer	Procurement	Easement between Tireman & Sawyer	Tireman	Sawyer	7	Far West Detroit
PC-808	CLEAN	Sewer	Procurement	Easement between Tireman & Sawyer	Tireman	Sawyer	7	Far West Detroit
PC-808	CLEAN	Sewer	Procurement	Easement between Tireman & Sawyer	Tireman	Sawyer	7	Far West Detroit
PC-808	CLEAN	Sewer	Procurement	Easement between Tireman & Sawyer	Tireman	Sawyer	7	Far West Detroit
PC-808	CLEAN	Sewer	Procurement	Easement between Tireman & Sawyer St	Tireman	Sawyer St	7	Far West Detroit
PC-808	LINE	Sewer	Procurement	Easement between Tireman & Sawyer St	Tireman	Sawyer St	7	Far West Detroit
PC-808	LINE	Sewer	Procurement	Easement between Tireman St & Sawyer	Tireman St	Sawyer	7	Far West Detroit
DWS-917	TPR-Liner	Sewer	Procurement	Easement between Trinity St & Burt Rd	Trinity St	Burt Rd	1	Riverdale
PC-808	LINE	Sewer	Procurement	Easement between Van Buren Rd & Constance St	Van Buren Rd	Constance St	7	Far West Detroit
PC-808	LINE	Sewer	Procurement	Easement between Van Buren Rd & Constance St	Van Buren Rd	Constance St	7	Far West Detroit
DWS-917	LINE	Sewer	Procurement	Easement between Verne St & Florence St	Verne St	Florence St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Easement between Verne St & Florence St	Verne St	Florence St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Easement between Verne St & Florence St	Verne St	Florence St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Easement between Verne St & Florence St	Verne St	Florence St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Easement between Verne St & Florence St	Verne St	Florence St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Easement between Verne St & Florence St	Verne St	Florence St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Easement between Verne St & Florence St	Verne St	Florence St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Easement between Verne St & Florence St	Verne St	Florence St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Easement between Verne St & Grand River Ave	Verne St	Grand River Ave	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Easement between Verne St & Grand River Ave	Verne St	Grand River Ave	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Easement between Verne St & Grand River Ave	Verne St	Grand River Ave	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Easement between Verne St & Grove St	Verne St	Grove St	1	Riverdale
DWS-917	CLEAN	Sewer	Procurement	Easement between Verne St & Puritan St	Verne St	Puritan St	1	Riverdale
DWS-916	Line	Sewer	Construction	Easement between Virginia Park St & Seward St	Virginia Park St	Seward St	5	New Center Commons
PC-808	LINE	Sewer	Procurement	Easement between W Parkway St & Beaverland St	W Parkway St	Beaverland St	7	Far West Detroit
PC-808	LINE	Sewer	Procurement	Easement between W Parkway St & Hazelton St	W Parkway St	Hazelton St	7	Far West Detroit
PC-808	CLEAN	Sewer	Procurement	Easement between Warren Ave & Majestic	Warren Ave	Majestic	7	Far West Detroit

Project ID	Activity	Type	Phase	Location	Street From	Street To	District	Neighborhood
PC-808	CLEAN	Sewer Procurement	Easement between Warren Ave W & Majestic	Warren Ave W	Warren Ave W	Majestic	7	Far West Detroit
DWS-918		Sewer Procurement	Easement between Warwick St & Stahelin Ave	Warwick St	Warwick St	Stahelin Ave	1	Rosedale Park
DWS-918	LINE	Sewer Procurement	Easement between Warwick St To Artesian St	Warwick St	Warwick St	Artesian St	1	Rosedale Park
DWS-916	Line	Sewer Construction	Easement between Watson St & Benton St	Watson St	Watson St	Benton St	5	Brewster Homes
DWS-916	Clean	Sewer Construction	Easement between Watson St & Wilkins St	Watson St	Watson St	Wilkins St	5	Brewster Homes
DWS-916	Clean	Sewer Construction	Easement Between West St & Beaubien St	West St	West St	Beaubien St	5	Brewster Homes
DWS-916	Line	Sewer Construction	Easement between West St & Beaubien St	West St	West St	Beaubien St	5	Brewster Homes
DWS-916		Sewer Construction	Easement between West St & Benton St	West St	West St	Benton St	5	Brewster Homes
DWS-916		Sewer Construction	Easement between West St & Benton St	West St	West St	Benton St	5	Brewster Homes
DWS-916	Clean	Sewer Construction	Easement between West St & Benton St	West St	West St	Benton St	5	Brewster Homes
DWS-916	Clean	Sewer Construction	Easement between West St & East St	West St	West St	East St	5	Brewster Homes
DWS-916	Clean	Sewer Construction	Easement between West St & East St	West St	West St	East St	5	Brewster Homes
DWS-916	Clean	Sewer Construction	Easement between West St & East St	West St	West St	East St	5	Brewster Homes
DWS-916	Clean	Sewer Construction	Easement between West St & East St	West St	West St	East St	5	Brewster Homes
DWS-916	Clean	Sewer Construction	Easement between West St & East St	West St	West St	East St	5	Brewster Homes
DWS-916	Clean	Sewer Construction	Easement between West St & East St	West St	West St	East St	5	Brewster Homes
DWS-917	CCTV	Sewer Procurement	Easement between Westbrook St & Blackstone St	Westbrook St	Westbrook St	Blackstone St	1	Riverdale
DWS-917	CCTV	Sewer Procurement	Easement between Westbrook St & Blackstone St	Westbrook St	Westbrook St	Blackstone St	1	Riverdale
DWS-917	CLEAN	Sewer Procurement	Easement between Westbrook St & Blackstone St	Westbrook St	Westbrook St	Blackstone St	1	Riverdale
DWS-917	LINE	Sewer Procurement	Easement between Westbrook St & Blackstone St	Westbrook St	Westbrook St	Blackstone St	1	Riverdale
DWS-917	LINE	Sewer Procurement	Easement between Westbrook St & Blackstone St	Westbrook St	Westbrook St	Blackstone St	1	Riverdale
DWS-916	Line	Sewer Construction	Easement between Wilkins St & Alfred St	Wilkins St	Wilkins St	Alfred St	5	Brewster Douglas
DWS-916	Line	Sewer Construction	Easement between Wilkins St & Alfred St	Wilkins St	Wilkins St	Alfred St	5	Brewster Douglas
DWS-916	Clean	Sewer Construction	Easement between Winder St & Napoleon St	Winder St	Winder St	Napoleon St	5	Brush Park
DWS-916	Line	Sewer Construction	Easement between Woodward Ave & 2nd Ave	Woodward Ave	Woodward Ave	2nd Ave	5	Piety Hill
DWS-916	Line	Sewer Construction	Easement between woodward Ave & 2nd Ave	woodward Ave	woodward Ave	2nd Ave	5	Piety Hill
DWS-916	Line	Sewer Construction	Easement between Woodward Ave & 2nd Ave	Woodward Ave	Woodward Ave	2nd Ave	5	New Center
DWS-916	Line	Sewer Construction	Easement between Woodward Ave & 2nd Ave	Woodward Ave	Woodward Ave	2nd Ave	5	New Center Commons
PC-808	LINE	Sewer Procurement	Easement Bramell St & Beaverland St	Bramell St	Bramell St	Beaverland St	7	Far West Detroit
DWS-908	Repair	Sewer Construction	Easement E. of Cadieux Sioux to Detroit	Sioux	Sioux	Detroit	4	Cornerstone Village
DWS-908	Repair	Sewer Construction	Easement E. of Cadieux Sioux to Detroit	Sioux	Sioux	Detroit	4	Cornerstone Village
DWS-908	Repair	Sewer Construction	Easement E. of Cadieux Sioux to Detroit	Sioux	Sioux	Detroit	4	Cornerstone Village
DWS-908	Repair	Sewer Construction	Easement E. of Cadieux Sioux to Detroit	Sioux	Sioux	Detroit	4	Cornerstone Village
DWS-916		Sewer Construction	Easement Eliot St & Benton St	Eliot St	Eliot St	Benton St	5	Brewster Homes
DWS-908	Repair	Sewer Construction	Easement N of Clairview St	Clairview	Clairview	Bremen St	4	Cornerstone Village
DWS-908	Repair	Sewer Construction	Easement N of Mack Ave from Guilford St to Neff Ave	Guilford St	Guilford St	Neff Av	4	Cornerstone Village
DWS-908	Repair	Sewer Construction	Easement N of Mack Ave from Guilford St to Neff Ave	Guilford St	Guilford St	Neff Av	4	Cornerstone Village
DWS-908	Repair	Sewer Construction	Easement N of Mack Ave from Guilford St to Neff Ave	Guilford St	Guilford St	Neff Av	4	Cornerstone Village
DWS-908	Repair	Sewer Construction	Easement N. of Warren Cadieux to Bluehill	Cadieux	Cadieux	Bluehill	4	Cornerstone Village
DWS-908	Repair	Sewer Construction	Easement N. of Warren Cadieux to Bluehill	Cadieux	Cadieux	Bluehill	4	Cornerstone Village
DWS-908	Repair	Sewer Construction	Easement N. of Warren Cadieux to Bluehill	Cadieux	Cadieux	Bluehill	4	Cornerstone Village
DWS-908	Repair	Sewer Construction	Easement N. of Warren Cadieux to Bluehill	Cadieux	Cadieux	Bluehill	4	Cornerstone Village
DWS-908	Repair	Sewer Construction	Easement N. of Warren Cadieux to Bluehill	Cadieux	Cadieux	Bluehill	4	Cornerstone Village
DWS-908	Repair	Sewer Construction	Easement N. of Warren Cadieux to Bluehill	Cadieux	Cadieux	Bluehill	4	Cornerstone Village
DWS-907	Repair	Sewer Construction	Easement NE of Bretton Dr Between Shaftsbury Ave & Warwick St	Shaftsbury Av	Shaftsbury Av	Warwick St	1	North Rosedale Park
DWS-907	Repair	Sewer Construction	Easement NE of Bretton Dr Between Shaftsbury Ave & Warwick St	Shaftsbury Av	Shaftsbury Av	Warwick St	1	North Rosedale Park
DWS-908	Repair	Sewer Construction	Easement NE of Farmbrook St from Chester St to Linville St	Chester St	Chester St	Linville St	4	Cornerstone Village
DWS-908	Repair	Sewer Construction	Easement NE of Farmbrook St from Chester St to Linville St	Chester St	Chester St	Linville St	4	Cornerstone Village
DWS-908	Repair	Sewer Construction	Easement NE of Farmbrook St from Chester St to Linville St	Chester St	Chester St	Linville St	4	Cornerstone Village
DWS-908	Repair	Sewer Construction	Easement NE of Farmbrook St from Chester St to Linville St	Chester St	Chester St	Linville St	4	Cornerstone Village
DWS-908	Repair	Sewer Construction	Easement NE of Farmbrook St from Chester St to Linville St	Chester St	Chester St	Linville St	4	Cornerstone Village
DWS-908	Repair	Sewer Construction	Easement NE of Farmbrook St from Chester St to Linville St	Chester St	Chester St	Linville St	4	Cornerstone Village
DWS-908	Repair	Sewer Construction	Easement NE of Farmbrook ST from Cornwall to Munich St	Cornwall St	Cornwall St	Munich St	4	Cornerstone Village
DWS-908	Repair	Sewer Construction	Easement NE of Farmbrook St from Edsel Ford Fwy to Chester St	Edsel Ford Fwy	Edsel Ford Fwy	Chester St	4	Cornerstone Village
DWS-908	Repair	Sewer Construction	Easement NE of Farmbrook St from Edsel Ford Fwy to Chester St	Edsel Ford Fwy	Edsel Ford Fwy	Chester St	4	Cornerstone Village
DWS-908	Repair	Sewer Construction	Easement NE of Farmbrook St from Edsel Ford Fwy to Chester St	Edsel Ford Fwy	Edsel Ford Fwy	Chester St	4	Cornerstone Village
DWS-907	Repair	Sewer Construction	Easement NE of Grand River Av from Bretton Dr to Bretton Dr	Bretton Dr	Bretton Dr	Bretton Dr	1	North Rosedale Park
DWS-907	REPLACE	Sewer Construction	Easement NE of Grand River Av from Bretton Dr to Bretton Dr	Bretton Dr	Bretton Dr	Bretton Dr	1	North Rosedale Park
DWS-907	Repair	Sewer Construction	Easement NE of Grand River Av from Bretton Dr to Bretton Dr	Bretton Dr	Bretton Dr	Bretton Dr	1	North Rosedale Park
DWS-907	Repair	Sewer Construction	Easement NE of Grand River Av from Bretton Dr to Bretton Dr	Bretton Dr	Bretton Dr	Bretton Dr	1	North Rosedale Park
DWS-907	Repair	Sewer Construction	Easement NE of Grand River Av from Bretton Dr to Bretton Dr	Bretton Dr	Bretton Dr	Bretton Dr	1	North Rosedale Park





Project ID	Activity	Type	Phase	Location	Street From	Street To	District	Neighborhood
DWS-908	Repair	Sewer	Construction	Easement SE of Chester St from Kingsville St to Moross Rd	Kingsville St	Moross Rd	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Easement SE of Chester St from Kingsville St to Moross Rd	Kingsville St	Moross Rd	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Easement SE of Chester St from Kingsville St to Moross Rd	Kingsville St	Moross Rd	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Easement SE of Chester ST from University Pl to Marseilles ST	University Pl	Marseilles St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Easement SE of Edgefield St from Moross Rd to Kingsville St			4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Easement SE of Edgefield St from Moross Rd to Kingsville St			4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Easement SE of Warren Av from Lodewyck to Farmbrook St	Lodewyck St	Farmbrook St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Easement SE of Warren Av from Lodewyck to Farmbrook St	Lodewyck St	Farmbrook St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Easement SE of Warren Avef from Hereford St to University Pl			4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Easement South of 94 from Cadieux to Dead End	Cadieux	Dead End	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Easement South of 94 from Cadieux to Dead End	Cadieux	Dead End	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Easement South of 94 from Cadieux to Dead End	Cadieux	Dead End	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Easement South of 94 near Guilford St	Guilford	Dead End	4	Cornerstone Village
DWS-907	Repair	Sewer	Construction	Easement South of McNichols Rd from Evergreen to Outer Dr	Evergreen Rd	Outer Dr	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Easement South of McNichols Rd from Evergreen to Outer Dr	Evergreen Rd	Outer Dr	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Easement South of McNichols Rd from Evergreen to Outer Dr	Evergreen Rd	Outer Dr	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Easement South of McNichols Rd from Evergreen to Outer Dr	Evergreen Rd	Outer Dr	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Easement South of McNichols Rd from Evergreen to Outer Dr	Evergreen Rd	Outer Dr	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Easement South of McNichols Rd from Evergreen to Outer Dr	Evergreen Rd	Outer Dr	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Easement South of McNichols Rd from Evergreen to Outer Dr	Evergreen Rd	Outer Dr	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Easement South of McNichols Rd from Evergreen to Outer Dr	Evergreen Rd	Outer Dr	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Easement South of McNichols Rd from Evergreen to Outer Dr	Evergreen Rd	Outer Dr	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Easement South of McNichols Rd from Warwick St to Stahelin Av	Warwick St	Stahelin Av	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Easement South of McNichols Rd from Warwick St to Stahelin Av	Warwick St	Stahelin Av	1	North Rosedale Park
DWS-908	Repair	Sewer	Construction	Easement SW of Chandler Park Dr between Hereford St and University Pl			4	Cornerstone Village
DWS-908	Replace	Sewer	Construction	Easement SW of Chester St from Canyon St to Moon St	Canyon St	Moon St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Easement SW of Chester St from Canyon St to Moon St	Canyon St	Moon St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Easement SW of Harper Ave between Hereford St and University I	Hereford St	University Pl	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Easement SW of Moross Rd from Edsel Ford Fwy to Rockcastle St	Edsel Ford Fwy	Rockcastle St	4	Cornerstone Village
DWS-908	Replace	Sewer	Construction	Easement SW of Moross Rd from Edsel Ford Fwy to Rockcastle St	Edsel Ford Fwy	Rockcastle St	4	Cornerstone Village
PC-808	LINE	Sewer	Procurement	Easemente between W Parkway St & Beaverland St	Parkway St	Beaverland St	7	Far West Detroit
DWS-917	CLEAN	Sewer	Procurement	Easemet between Vaughan St To Heyden St	Vaughan St	Heyden St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Easemnt between Florence St & Puritan St	Florence St	Puritan St	1	Riverdale
DWS-908	Repair	Sewer	Construction	Easemnt NE of University Pl from Chandler Park Dr to Warren Av	Chandler Park Dr	Warren Av	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Easemnt NE of University Pl from Chandler Park Dr to Warren Av	Chandler Park Dr	Warren Av	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Easemnt NE of University Pl from Chandler Park Dr to Warren Av	Chandler Park Dr	Warren Av	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Easemnt NE of University Pl from Chandler Park Dr to Warren Av	Chandler Park Dr	Warren Av	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Easemnt NE of University Pl from Chandler Park Dr to Warren Av	Chandler Park Dr	Warren Av	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Easemnt NE of University Pl from Chandler Park Dr to Warren Av	Chandler Park Dr	Warren Av	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Easemnt NE of University Pl from Chandler Park Dr to Warren Av	Chandler Park Dr	Warren Av	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Easement NW of Warren Ave from Neff Av to Hereford ST	Neff Av	Hereford St	4	Cornerstone Village
CS-1909A	Repair	Water	Procurement	East Grand Blvd Helen to Forest	Helen	Forest	5	Gratiot Town/Kettering
CS-1909A	Repair	Water	Procurement	East Grand Blvd Lodge Frwy to Oakland Ave.	Lodge Frwy	Oakland Ave.	5	New Center
CS-1909A	Repair	Water	Procurement	East Grand Blvd McDougall to Helen	McDougall	Helen	5	Poletown East
CS-1909A	Repair	Water	Procurement	East Grand Blvd Oakland Ave. to Trombly	Oakland Ave.	Trombly	5	Milkwaukee Junction
CS-1909A	Repair	Water	Procurement	East Grand Blvd Trombly to McDougall	Trombly	McDougall	5	Poletown East
CS-1909A	Repair	Water	Procurement	East Grand Blvd Vernor to E. Jefferson Ave.	Vernor	E. Jefferson Ave.	5	Gratiot-Grand
DWS-907	Repair	Sewer	Construction	East of Keniford St Between Bretton Dr & Lancashire St	Bretton Dr	Lancashire St	1	North Rosedale Park
WS-713	Replace	Water	Design	Eastlawn dead end to Scripps (added new valve)	Scripps	Dead End South	4	Jefferson Chalmers
DWS-918	LINE	Sewer	Procurement	Eaton St From Artesian St To Stahelin Ave	Artesian St	Stahelin Ave	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Eaton St From Artesian St To Stahelin Ave	Artesian St	Stahelin Ave	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Eaton St From Artesian St To Stahelin Ave	Artesian St	Stahelin Ave	1	Rosedale Park
DWS-918	CLEAN	Sewer	Procurement	Eaton St From Artesian St To Stahelin Ave	Artesian St	Stahelin Ave	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Eaton St From Ashton Rd To Southfield Fwy	Ashton Rd	Southfield Fwy	1	Rosedale Park
DWS-918	REPLACE	Sewer	Procurement	Eaton St From Faust Ave To Penrod St	Faust Ave	Penrod St	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Eaton St From Grandville Ave To Warwick St	Grandville Ave	Warwick St	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Eaton St From Greenview Rd To Stahelin Ave	Greenview Rd	Stahelin Ave	1	Rosedale Park
DWS-918	CLEAN	Sewer	Procurement	Eaton St From Penrod St To Rosemont Ave	Penrod St	Rosemont Ave	1	Rosedale Park
DWS-918	TPR-Liner	Sewer	Procurement	Eaton St From Penrod St To Rosemont Ave	Penrod St	Rosemont Ave	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Eaton St From Piedmont St To Artesian St	Piedmont St	Artesian St	1	Rosedale Park
DWS-918	TPR-Liner	Sewer	Procurement	Eaton St From Piedmont St To Warwick St	Piedmont St	Warwick St	1	Rosedale Park



Project ID	Activity	Type	Phase	Location	Street From	Street To	District	Neighborhood
DWS-907	Repair	Sewer	Construction	Florence St from Evergreen Rd to Warwick St	Evergreen Rd	Warwick St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Florence St from Evergreen Rd to Warwick St	Evergreen Rd	Warwick St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Florence St from Evergreen Rd to Warwick St	Evergreen Rd	Warwick St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Florence St from Evergreen Rd to Warwick St	Evergreen Rd	Warwick St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Florence St from Evergreen Rd to Warwick St	Evergreen Rd	Warwick St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Florence St from Evergreen Rd to Warwick St	Evergreen Rd	Warwick St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Florence St from Evergreen Rd to Warwick St	Evergreen Rd	Warwick St	1	North Rosedale Park
DWS-917	LINE	Sewer	Procurement	Florence St From Hazelton St To W Parkway St	Hazelton St	W Parkway St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Florence St From Patton St To Fielding St	Patton St	Fielding St	1	Riverdale
DWS-917	REPLACE	Sewer	Procurement	Florence St From Ridge Rd To Hazelton St	Ridge Rd	Hazelton St	1	Riverdale
DWS-917	TPR-Liner	Sewer	Procurement	Florence St From Stout St To Fielding St	Stout St	Fielding St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Florence St From Trinity St To Blackstone St	Trinity St	Blackstone St	1	Riverdale
DWS-917	TPR-Liner	Sewer	Procurement	Florence St From Westbrook St & Blackstone St	Westbrook St	Blackstone St	1	Riverdale
DWS-917	TPR-Liner	Sewer	Procurement	Florence St From Westbrook St To Blackstone St	Westbrook St	Blackstone St	1	Riverdale
CS-1909A	Repair	Water	Procurement	Fourth Street Selden to Calumet	Selden	Calumet	6	Midtown
WS-707	Repair	Water	Construction	Fullerton Petoskey to Dexter	Petoskey	Dexter	7	Russell Woods
DWS-907	Repair	Sewer	Construction	Gainsborough Rd from Outer Dr to Avon Rd	Outer Dr	Avon Rd	1	North Rosedale Park
DWS-907	REPLACE	Sewer	Construction	Gainsborough Rd from Outer Dr to Avon Rd	Outer Dr	Avon Rd	1	North Rosedale Park
DWS-907	REPLACE	Sewer	Construction	Gainsborough Rd from Outer Dr to Avon Rd	Outer Dr	Avon Rd	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Gainsborough Rd from Outer Dr to Avon Rd	Outer Dr	Avon Rd	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Gainsborough Rd from Outer Dr to Avon Rd	Outer Dr	Avon Rd	1	North Rosedale Park
DWS-907	REPLACE	Sewer	Construction	Gainsborough Rd from Outer Dr to Avon Rd	Outer Dr	Avon Rd	1	North Rosedale Park
DWS-907	REPLACE	Sewer	Construction	Gainsborough Rd from Outer Dr to Avon Rd	Outer Dr	Avon Rd	1	North Rosedale Park
DWS-916	Line	Sewer	Construction	Gladstone St From 2nd Ave To Woodward Ave	2nd Ave	Woodward Ave	5	Piety Hill
DWS-907	REPLACE	Sewer	Construction	Glastonbury Ave at intersection with Puritan ST	Puritan St	Puritan St	1	North Rosedale Park
DWS-918	LINE	Sewer	Procurement	Glastonbury Ave From Lyndon St To Acacia St	Lyndon St	Acacia St	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Glastonbury Ave From Lyndon St To Acacia St	Lyndon St	Acacia St	1	Rosedale Park
DWS-918	TPR-Liner	Sewer	Procurement	Glastonbury Ave From Lyndon St To Acacia St	Lyndon St	Acacia St	1	Rosedale Park
DWS-907	Repair	Sewer	Construction	Glastonbury Rd at Verne St Intersection	Verne ST	Verne ST	1	North Rosedale Park
DWS-907	REPLACE	Sewer	Construction	Glastonbury Rd from McNichols Rd to Verne St	McNichols to Verne ST		1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Glastonbury Rd from McNichols Rd to Verne St	McNichols to Verne ST		1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Grand River Ave			1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Grand River Ave			1	North Rosedale Park
DWS-917	LINE	Sewer	Procurement	Grand RIVER Ave			1	Riverdale
DWS-917	TPR-Liner	Sewer	Procurement	Grand River Ave & Patton St Intersection			1	Riverdale
DWS-917	LINE	Sewer	Procurement	Grand River Ave From Braile St To Patton St	Braile St	Patton St	1	Riverdale
DWS-917	CLEAN	Sewer	Procurement	Grand River Ave From Burt Rd To Pierson St	Burt Rd	Pierson St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Grand River Ave From Burt Rd To Pierson St	Burt Rd	Pierson St	1	Riverdale
DWS-917	CCTV	Sewer	Procurement	Grand River Ave From Burt Rd To Trinity St	Burt Rd	Trinity St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Grand River Ave From Chapel St To Westbrook St	Chapel St	Westbrook St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Grand River Ave From Fielding St To Kentfield St	Fielding St	Kentfield St	1	Riverdale
DWS-917	EPR	Sewer	Procurement	Grand River Ave From Fielding St To Stout St	Fielding St	Stout St	1	Riverdale
DWS-917	EPR	Sewer	Procurement	Grand River Ave From Fielding St To Stout St	Fielding St	Stout St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Grand River Ave From Fielding St To Stout St	Fielding St	Stout St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Grand River Ave From Fielding St To Stout St	Fielding St	Stout St	1	Riverdale
DWS-918	TPR-Liner	Sewer	Procurement	Grand River Ave From Glastonbury Ave To Fenkell St	Glastonbury Ave	Fenkell St	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Grand River Ave From Glastonbury Ave To Fenkell St	Glastonbury Ave	Fenkell St	1	Rosedale Park
DWS-932	REHAB	Sewer	Procurement	Grand River Ave From Glastonbury Ave To Southfield Fwy	Glastonbury Ave	Southfield Fwy	1	Rosedale Park
DWS-917	ABANDON	Sewer	Procurement	Grand River Ave From Kenfield St To Heyden St	Kenfield St	Heyden St	1	Riverdale
DWS-932	REHAB	Sewer	Procurement	Grand River Ave From Kentford St To Bretton Dr	Kentford St	Bretton Dr	1	Rosedale Park
DWS-932	REHAB	Sewer	Procurement	Grand River Ave From Kentford St To Fenkell St	Kentford St	Fenkell St	1	Rosedale Park
DWS-917	CCTV	Sewer	Procurement	Grand River Ave From McNichols Rd W To Westbrook St	McNichols Rd W	Westbrook St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Grand River Ave From Patton St To Braile St	Patton St	Braile St	1	Riverdale
DWS-917	TPR-Liner	Sewer	Procurement	Grand River Ave From Patton St To Fielding St	Patton St	Fielding St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Grand River Ave From Pierson St To Braile St	Pierson St	Braile St	1	Riverdale
DWS-932	REHAB	Sewer	Procurement	Grand River Ave From Rosemont Ave To Southfield Ave	Rosemont Ave	Southfield Ave	1	Rosedale Park
DWS-917	CCTV	Sewer	Procurement	Grand River Ave From Stout St To Fielding St	Stout St	Fielding St	1	Riverdale
DWS-917	ABANDON	Sewer	Procurement	Grand River Ave From Trinity St To Burt Rd	Trinity St	Burt Rd	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Grand River Ave From Trinity St to Burt Rd	Trinity St	Burt Rd	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Grand River Ave From Trinity St To Westbrook St	Trinity St	Westbrook St	1	Riverdale

Project ID	Activity	Type	Phase	Location	Street From	Street To	District	Neighborhood
DWS-907	Repair	Sewer	Construction	Grand River Ave from Warwick St to Avon Rd	Warwick St	Avon Rd	1	North Rosedale Park
DWS-917	LINE	Sewer	Procurement	Grand River Ave From Westbrook St To Trinity St	Westbrook St	Trinity St	1	Riverdale
WS-714	Repair	Water	Construction	Grand River Avenue Fenkell to McNichols	Fenkell	McNichols	1	Miller Grove
WS-714	Replace	Water	Construction	Grand River Avenue Maren to Southfield HWY	Maren	Southfield HWY	1	North Rosedale Park
CS-1909A	Repair	Water	Procurement	Grandville Joy Road to Belton	Joy Road	Belton	7	Warrendale
WS-720	Replace	Water	Design	Granville	Joy Rd	Tireman St	7	Warrendale
CS-1909A	Repair	Water	Procurement	Gratiot (M-3) Seven Mile to Eight Mile	Seven Mile	Eight Mile	3	Regent Park
WS-720	Replace	Water	Design	Greenfield Rd	Grand River Ave	Fenkell St	1	Grand River-St Marys
WS-711	Repair	Water	Procurement	Greenfield West Chicago to Warren	West Chicago	Warren	7	Warren Ave Community
CS-1909A	Repair	Water	Procurement	Greenview Kirkwood to Dayton	Kirkwood	Dayton	7	Warrendale
DWS-907	Repair	Sewer	Construction	Greenview Ave from Florence St to Puritan St	Florence St	Puritan St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Greenview Ave from Florence St to Puritan St	Florence St	Puritan St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Greenview Ave from Florence St to Puritan St	Florence St	Puritan St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Greenview Ave from Florence St to Puritan St	Florence St	Puritan St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Greenview Ave from Florence St to Puritan St	Florence St	Puritan St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Greenview Ave from Florence St to Puritan St	Florence St	Puritan St	1	North Rosedale Park
DWS-907	Replace	Water	Construction	Greenview Ave from McNichols Rd to Puritan St	McNichols Rd	Puritan St	1	North Rosedale Park
CS-1909A	Repair	Water	Procurement	Greenview Chalfonte to Fenkell	Chalfonte	Fenkell	1	Rosedale Park
CS-1909A	Repair	Water	Procurement	Greenview Sawyer to Tireman	Sawyer	Tireman	7	Warrendale
WS-711	Repair	Water	Procurement	Greenview Warren to Paul	Warren	Paul	7	Warrendale
DWS-917	LINE	Sewer	Procurement	Greydale Ave From McNichols Rd W To Verne St	McNichols Rd W	Verne St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Greydale Ave From McNichols Rd W To Verne St	McNichols Rd W	Verne St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Grove St & Chatham St Intersection			1	Riverdale
DWS-917	EPR	Sewer	Procurement	Grove St From Beaverland St To Bramell St	Beaverland St	Bramell St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Grove St From Bramell St To Beaverland St	Bramell St	Beaverland St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Grove St From Bramell St To Chatham St	Bramell St	Chatham St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Grove St From Chatham St To Lamphere St	Chatham St	Lamphere St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Grove St From Chatham St To Lamphere St	Chatham St	Lamphere St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Grove St From Dolphin St To Lamphere St	Dolphin St	Lamphere St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Grove St From Dolphin St To Rockdale St	Dolphin St	Rockdale St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Grove St From Dolphin St To Rockdale St	Dolphin St	Rockdale St	1	Riverdale
DWS-907	Repair	Sewer	Construction	Grove St from Evergreen Rd to Outer DR	Evergreen Rd	Outer Dr	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Grove St from Evergreen Rd to Outer DR	Evergreen Rd	Outer Dr	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Grove St from Evergreen Rd to Outer DR	Evergreen Rd	Outer Dr	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Grove St from Evergreen Rd to Outer DR	Evergreen Rd	Outer Dr	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Grove St from Evergreen Rd to Outer DR	Evergreen Rd	Outer Dr	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Grove St from Evergreen Rd to Outer DR	Evergreen Rd	Outer Dr	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Grove St from Evergreen Rd to Outer DR	Evergreen Rd	Outer Dr	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Grove St from Evergreen Rd to Outer DR	Evergreen Rd	Outer Dr	1	North Rosedale Park
DWS-917	LINE	Sewer	Procurement	Grove St From Lahser Rd To Rockdale St	Lahser Rd	Rockdale St	1	Riverdale
DWS-917	TPR-Liner	Sewer	Procurement	Grove St From Lamphere St To Dolphin St	Lamphere St	Dolphin St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Grove St From Lamphere St To Dolphin St	Lamphere St	Dolphin St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Grove St From Lamphere St To Dolphin St	Lamphere St	Dolphin St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Grove St From Rockdale St To Lahser Rd	Rockdale St	Lahser Rd	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Grove St From Woodbine St To Telegraph Rd	Woodbine St	Telegraph Rd	1	Riverdale
DWS-908	Repair	Sewer	Construction	Guildford St Dead end to Warren Ave	Dead End	Warren Ave	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Guildford St Dead end to Warren Ave	Dead End	Warren Ave	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Guildford St Dead end to Warren Ave	Dead End	Warren Ave	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Guildford St Dead end to Warren Ave	Dead End	Warren Ave	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Guildford St Dead end to Warren Ave	Dead End	Warren Ave	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Guildford St Dead end to Warren Ave	Dead End	Warren Ave	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Guildford St Dead end to Warren Ave	Dead End	Warren Ave	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Guildford St from Harper Ave to Berden St	Harper Ave	Berden St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Guildford St from Harper Ave to Berden St	Harper Ave	Berden St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Guildford St from Harper Ave to Berden St	Harper Ave	Berden St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Guildford St from Harper Ave to Berden St	Harper Ave	Berden St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Guildford St from Harper Ave to Berden St	Harper Ave	Berden St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Guildford St from Linville St to Chandler Park Dr	Linville St	Chandler Park Drive	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Guildford St from Linville St to Chandler Park Dr	Linville St	Chandler Park Drive	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Guildford St from Linville St to Chandler Park Dr	Linville St	Chandler Park Drive	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Guildford St from Linville St to Chandler Park Dr	Linville St	Chandler Park Drive	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Guilford from Warren Ave to Munich St	Warren Ave	Munich St	4	Cornerstone Village

Project ID	Activity	Type	Phase	Location	Street From	Street To	District	Neighborhood
DWS-908	Repair	Sewer	Construction	Guilford from Warren Ave to Munich St	Warren Ave	Munich St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Guilford St			4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Guilford St			4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Guilford St			4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Guilford St			4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Guilford St			4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Guilford St			4	Cornerstone Village
WS-712	Replace	Water	Construction	Guilford St alley southeast to Warren Ave	alley southeast	Warren Ave	4	Cornerstone Village
WS-712	Replace	Water	Construction	Guilford St alley southeast to Warren Ave	alley southeast	Warren Ave	4	Cornerstone Village
WS-712	Replace	Water	Construction	Guilford St Harper St southeast to Chandler Park Dr	Harper St southeast	Chandler Park Dr	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Guilford St from Berden St to Linville ST	Berden St	Linville St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Guilford St from Berden St to Linville ST	Berden St	Linville St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Guilford St from Berden St to Linville ST	Berden St	Linville St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Guilford St from Berden St to Linville ST	Berden St	Linville St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Guilford St from Berden St to Linville ST	Berden St	Linville St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Guilford St from Chandler Park Dr to Southampton St	Chandler Park Drive	Southampton St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Guilford St from Chandler Park Dr to Southampton St	Chandler Park Drive	Southampton St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Guilford St from Chandler Park Dr to Southampton St	Chandler Park Drive	Southampton St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Guilford St from Munich St to Waveney St	Munich St	Waveney St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Guilford St from Windsor St to Mack Avenue	Windsor St	March Ave	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Guilford St from Windsor St to Mack Avenue	Windsor St	March Ave	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Guilford St from Windsor St to Mack Avenue	Windsor St	March Ave	4	Cornerstone Village
WS-713	Replace	Water	Design	Harbor Island Lakewood to dead end (before Alter)	Lakewood	Alter Rd	4	Jefferson Chalmers
CS-1909A	Repair	Water	Procurement	Harlow Puritan to Verne	Puritan	Verne	1	Cray/St Marys
DWS-908	Repair	Sewer	Construction	Harper Ave from Bluehill to Dead End	Bluehill St	Dead End	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Harper Ave from Bluehill to Dead End	Bluehill St	Dead End	4	Cornerstone Village
CS-1909A	Repair	Water	Procurement	Hayes Elmdale to Harper Avenue	Elmdale	Harper Avenue	4	Outer Drive-Hayes
CS-1909A	Repair	Water	Procurement	Hayes Seven Mile to Houston-Whitier	Seven Mile	Houston-Whitier	4	Mapleridge
DWS-917	LINE	Sewer	Procurement	Hazelton St From Florence St To Puritan St	Florence St	Puritan St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Hazelton St From Florence St To S Riverdale Dr	Florence St	S Riverdale Dr	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Hazelton St From Puritan St To Florence St	Puritan St	Florence St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Hazelton St From Puritan St To Florence St	Puritan St	Florence St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Hazelton St From S Riverdale Dr To Florence St	S Riverdale Dr	Florence St	1	Riverdale
WS-712	Replace	Water	Construction	Hereford St Minerva St southeast to Chandler Park Dr	Minerva St southeast	Chandler Park Dr	4	Cornerstone Village
DWS-917	CCTV	Sewer	Procurement	Heyden St From Grand River Ave To Puritan St	Grand River Ave	Puritan St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Heyden St From Grand River Ave To Puritan St	Grand River Ave	Puritan St	1	Riverdale
DWS-917	TPR-Liner	Sewer	Procurement	Heyden St From Puritan St To Grand River Ave	Puritan St	Grand River Ave	1	Riverdale
WS-712	Replace	Water	Construction	Hillcrest St Rolandale St southeast to Mack Ave	Rolandale St southeast	Mack Ave	4	Cornerstone Village
DWS-907	Repair	Sewer	Construction	Huntington Rd from Florence St to Bretton Dr	Florence St	Bretton Dr	1	North Rosedale Park
DWS-907	REPLACE	Sewer	Construction	Huntington Rd from Grove St to Verne St	Grove St	Verne St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Huntington Rd from Grove St to Verne St	Grove St	Verne St	1	North Rosedale Park
DWS-907	Replace	Water	Construction	Huntington Rd from McNichols Rd to Bretton Dr	McNichols Rd	Bretton Dr	1	North Rosedale Park
WS-720	Replace	Water	Design	Huntington to Grandville	Huntington	Grandville	1	Evergreen-Outer Drive
DWS-908	Repair	Sewer	Construction	In Alley	Guilford	Cadieux	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	In Alley from Oldtown to Southampton St	Oldtown	Southampton St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	In Alley from Oldtown to Southampton St	Oldtown	Southampton St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	In Alley from Oldtown to Southampton St	Oldtown	Southampton St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	In Alley near Intersection of Warren Ave & Guilford St	Guilford	Cadieux	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	In Alley near Intersection of Warren Ave & Guilford St	Guilford	Cadieux	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	In private lot at Intersection of Cadieux Rd & Southampton St	Cadieux Rd	Southampton St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	In private lot at Intersection of Cadieux Rd & Southampton St	Cadieux Rd	Southampton St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	In private lot at Intersection of Cadieux Rd & Southampton St	Cadieux Rd	Southampton St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	In Rd at Intersection of Harper Ave & Cadieux Rd	Harper Avenue	Harper Avenue	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	In Rd on Cadieux Rd near Intersection of Detroit St & Cadieux Rd	Detroit St	Detroit St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	In Rd on Cadieux Rd near Intersection of Detroit St & Cadieux Rd	Detroit St	Detroit St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	In Rd on Cadieux Rd near Intersection of Detroit St & Cadieux Rd	Detroit St	Detroit St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Intersection of Edsel Ford Fwy and Moross Rd	Moross Rd	Moross Rd	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Intersection of Edsel Ford Fwy and Moross Rd	Moross Rd	Moross Rd	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Intersection of Marseilles St and Mack Av	Marseille St	Marseille St	4	Cornerstone Village
WS-720	Replace	Water	Design	Intervale St	MArk Twan St	Stanbury St	7	Grand River-I96

Project ID	Activity	Type	Phase	Location	Street From	Street To	District	Neighborhood
WS-711	Repair	Water	Procurement	Jefferson Ave (Both Sides) Mt. Elliott to Beaufait	Mt. Elliott	Beaufait	5	Rivertown
WS-711	Repair	Water	Procurement	Jefferson Ave (N Side) I-375 Svc Dr to Orleans	I-375 Svc Dr	Orleans	5	Rivertown
WS-711	Repair	Water	Procurement	Jefferson Ave Corey Dr to Algonquin Street	Corey	Algonquin	5	Conner Creek Industrial
WS-711	Repair	Water	Procurement	Jefferson Ave Crane St to Pennsylvania Street	Crane	Pennsylvania	5	East Village
CS-1909A	Repair	Water	Procurement	Jefferson Ave. W. (N) Shelby St. to Woodward	Shelby St.	Woodward	6	Downtown
CS-1909A	Repair	Water	Procurement	Jefferson Ave. W. (S) Civic Center Dr. to Woodward Ave.	Civic Center Dr.	Woodward Ave.	6	Downtown
CS-1909A	Repair	Water	Procurement	Jefferson Ave. W. 15th St. to Vermont St.	15th St.	Vermont St.	6	West Side Industrial
CS-1909A	Repair	Water	Procurement	Jefferson Ave. W. Vermont St. to Rosa Park Blvd.	Vermont St.	Rosa Park Blvd.	6	West Side Industrial
DWS-916	Clean	Sewer	Construction	John C Lodge Fwy	Delaware St	Seward St	5	New Center Commons
DWS-916		Sewer	Construction	John C Lodge Fwy	Pingree St	Philadelphia St W	5	Piety Hill
DWS-916	Clean	Sewer	Construction	John C Lodge Fwy	Seward St	Virginia Park St	5	New Center Commons
DWS-916	Clean	Sewer	Construction	John C Lodge Fwy	Seward St	Delaware St	5	New Center Commons
DWS-916	Clean	Sewer	Construction	John C Lodge Fwy	Seward St	Delaware St	5	New Center Commons
DWS-916	CUT_GRIND_I	Sewer	Construction	John C Lodge Fwy	Pingree St	Blaine St	5	Piety Hill
DWS-916	Clean	Sewer	Construction	John C Lodge Fwy	Pingree St	Blaine St	5	Piety Hill
DWS-916	Clean	Sewer	Construction	John C Lodge Fwy	Seward St	Virginia Park St	5	New Center Commons
DWS-916	Line	Sewer	Construction	John C Lodge Fwy From Blaine St To Pingree St	Blaine St	Pingree St	5	Piety Hill
DWS-916	Clean	Sewer	Construction	John C Lodge Fwy From Clairmount St To Hazelwood St	Clairmount St	Hazelwood St	5	Piety Hill
DWS-916	Line	Sewer	Construction	John C Lodge Fwy From Euclid St W To Philadelphia St	Euclid St W	Philadelphia St	5	Piety Hill
DWS-916	EPR	Sewer	Construction	John C Lodge Fwy From Euclid St W To Philadelphia St W	Euclid St W	Philadelphia St W	5	Piety Hill
DWS-916	Line	Sewer	Construction	John C Lodge Fwy From Euclid St W To Philadelphia St W	Euclid St W	Philadelphia St W	5	Piety Hill
DWS-916	Line	Sewer	Construction	John C Lodge Fwy From Euclid St W To Philadelphia St W	Euclid St W	Philadelphia St W	5	Piety Hill
DWS-916	Clean	Sewer	Construction	John C Lodge Fwy From Gladstone St To Taylor St	Gladstone St	Taylor St	5	Piety Hill
DWS-916	Line	Sewer	Construction	John C Lodge Fwy From Hazelwood St & Gladstone St	Hazelwood St	Gladstone St	5	Piety Hill
DWS-916	Clean	Sewer	Construction	John C Lodge Fwy From Hazelwood St To Taylor St	Hazelwood St	Taylor St	5	Piety Hill
DWS-916	Line	Sewer	Construction	John C Lodge Fwy From Pingree St To Philadelphia St W	Pingree St	Philadelphia St W	5	Piety Hill
DWS-916	Clean	Sewer	Construction	John C Lodge Fwy From Seward St To Delaware St	Seward St	Delaware St	5	New Center Commons
DWS-916	Clean	Sewer	Construction	John C Lodge Fwy From Seward St To Delaware St	Seward St	Delaware St	5	New Center Commons
DWS-916	Line	Sewer	Construction	John C Lodge Fwy From Seward St To Virginia Park St	Seward St	Virginia Park St	5	New Center Commons
CS-1909A	Repair	Water	Procurement	Joy Road Wyoming to Livernois	Wyoming	Livernois	6	Barton-McFarland
DWS-918	CLEAN	Sewer	Procurement	Keeler St From Artesian St To Stahelin Ave	Artesian St	Stahelin Ave	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Keeler St From Artesian St To Stahelin Ave	Artesian St	Stahelin Ave	1	Rosedale Park
DWS-918	CLEAN	Sewer	Procurement	Keeler St From Warwick St To Artesian St	Warwick St	Artesian St	1	Rosedale Park
WS-710	Repair	Water	Procurement	Kelly Glenwood to Eastwood	Glenwood	Eastwood	4	Mapleridge
DWS-917	LINE	Sewer	Procurement	Kenfield St From Grand River Ave To Puritan St	Grand River Ave	Puritan St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Kessler St From Lahser Rd To Lamphere St	Lahser Rd	Lamphere St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Kessler St From Lamphere St To Lahser Rd	Lamphere St	Lahser Rd	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Kessler St From Lamphere St To Lahser Rd	Lamphere St	Lahser Rd	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Kessler St From Lamphere St To Lahser Rd	Lamphere St	Lahser Rd	1	Riverdale
DWS-908	Repair	Sewer	Construction	Kingsville St from Rockcastle St to Tyrone St	Rockcastle St	Tyrone St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Kingsville St from Rockcastle St to Tyrone St	Rockcastle St	Tyrone St	4	Cornerstone Village
WS-713	Replace	Water	Design	Klenk St. Alter to dead end	Alter	Riverside Blvd	4	Jefferson Chalmers
WS-713	NEW PIPE	Water	Design	Klenk St. Dead end across channel to Riverside Blvd	Riverside Blvd	Dead End West	4	Jefferson Chalmers
WS-712	Repair	Water	Construction	Lafontaine St Canyon St to Mack Ave	Canyon St	Mack Ave	4	Cornerstone Village
DWS-917	CCTV	Sewer	Procurement	Lahser Rd From Grove St To McNichols Rd W	Grove St	McNichols Rd W	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Lahser Rd From Grove St To McNichols Rd W	Grove St	McNichols Rd W	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Lahser Rd From Grove St To McNichols Rd W	Grove St	McNichols Rd W	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Lahser Rd From Grove St To McNichols Rd W	Grove St	McNichols Rd W	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Lahser Rd From Grove St To Verne St	Grove St	Verne St	1	Riverdale
DWS-917	EPR	Sewer	Procurement	Lahser Rd From Kessler St To Puritan St	Kessler St	Puritan St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Lahser Rd From Kessler St To Puritan St	Kessler St	Puritan St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Lahser Rd From McNichols Rd W To Grove st	McNichols Rd W	Grove st	1	Riverdale
DWS-917	CLEAN	Sewer	Procurement	Lahser Rd From McNichols Rd W To Grove St	McNichols Rd W	Grove St	1	Riverdale
DWS-917	TPR-Liner	Sewer	Procurement	Lahser Rd From McNichols Rd W To Grove St	McNichols Rd W	Grove St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Lahser Rd From Ulster St To Verne St	Ulster St	Verne St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Lahser Rd From Verne St To Grove St	Verne St	Grove St	1	Riverdale
WS-715	Lining	Water	Procurement	Lahser Rd Kessler to Puritan	Kessler	Puritan	1	Riverdale
WS-715	Lining	Water	Procurement	Lahser Rd McNichols Rd to Grove	McNichols Rd	Grove	1	Riverdale
WS-713	Upsize	Water	Design	Lakewood Essex to Avondale	Essex	Avondale	4	Jefferson Chalmers
WS-713	Upsize	Water	Design	Lakewood Riverside Blvd to Scripps	Riverside Blvd	Scripps	4	Jefferson Chalmers

Project ID	Activity	Type	Phase	Location	Street From	Street To	District	Neighborhood
WS-713	Upsize	Water	Design	Lakewood Scripps to Avondale	Scripps	Avondale	4	Jefferson Chalmers
CS-1909A	Repair	Water	Procurement	Lamphere Sawyer to Majestic	Sawyer	Majestic	7	Far West Detroit
WS-720	Replace	Water	Design	Lamphere St	Sawyer St	Warren Ave W	7	Far West Detroit
DWS-917	LINE	Sewer	Procurement	Lamphere St From Kessler St To Florence St	Kessler St	Florence St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Lamphere St & Grove St Intersection			1	Riverdale
DWS-917	LINE	Sewer	Procurement	Lamphere St & Puritan St Intersection			1	Riverdale
DWS-917	LINE	Sewer	Procurement	Lamphere St From Dehner St To Grove St	Dehner St	Grove St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Lamphere St From Dehner St To Verne St	Dehner St	Verne St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Lamphere St From Grove St To Dehner St	Grove St	Dehner St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Lamphere St From Kessler St To Puritan St	Kessler St	Puritan St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Lamphere St From McNichols Rd W To Wyman St	McNichols Rd W	Wyman St	1	Riverdale
DWS-917	CLEAN	Sewer	Procurement	Lamphere St From McNichols Rd W To Wyman St	McNichols Rd W	Wyman St	1	Riverdale
DWS-917	EPRCROSS	Sewer	Procurement	Lamphere St From McNichols Rd W To Wyman St	McNichols Rd W	Wyman St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Lamphere St From Ulster St To Florence St	Ulster St	Florence St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Lamphere St From Verne St To Ulster St	Verne St	Ulster St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Lamphere St From Wyman St To McNichols Rd W	Wyman St	McNichols Rd	1	Riverdale
WS-715	Replace	Water	Procurement	Lamphere Verne to Puritan	Verne	Puritan	1	Riverdale
DWS-907	Repair	Sewer	Construction	Lancashire St from Bretton Dr to Glastonbury Ave	Bretton Dr	Glastonbury Av	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Lancashire St from Bretton Dr to Glastonbury Ave	Bretton Dr	Glastonbury Av	1	North Rosedale Park
DWS-907	REPLACE	Sewer	Construction	Lancashire St from Bretton Dr to Glastonbury Ave	Bretton Dr	Glastonbury Av	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Lancashire St from Bretton Dr to Glastonbury Ave	Bretton Dr	Glastonbury Av	1	North Rosedale Park
DWS-907	REPLACE	Sewer	Construction	Lancashire St from Bretton Dr to Glastonbury Ave	Bretton Dr	Glastonbury Av	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Lancashire St from Bretton Dr to Glastonbury Ave	Bretton Dr	Glastonbury Av	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Lancashire St from Bretton Dr to Glastonbury Ave	Bretton Dr	Glastonbury Av	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Lancashire St from Bretton Dr to Glastonbury Ave	Bretton Dr	Glastonbury Av	1	North Rosedale Park
WS-712	Replace	Water	Construction	Lannoo St Canyon Ave to Linville St	Canyon Ave	Linville St	4	Cornerstone Village
WS-712	Replace	Water	Construction	Lannoo St Linville St to Chandler Park Dr	Linville St	Chandler Park Dr	4	Cornerstone Village
WS-713	Replace	Water	Design	Lenox Korte to dead-end south of Scripps	Korte	Scripps	4	Jefferson Chalmers
CS-1909A	Repair	Water	Procurement	Lindsay Curtis to Clarita	Curtis	Clarita	2	College Park
WS-712	Repair	Water	Construction	Linville Moross Rd. to Kingsville St.	Moross Rd.	Kingsville St.	4	Cornerstone Village
DWS-916		Sewer	Construction	Lothrop Rd From 3rd St To 2nd Ave	3rd St	2nd Ave	5	New Center
DWS-916		Sewer	Construction	Lothrop Rd From 3rd St To 2nd Ave	3rd St	2nd Ave	5	New Center
CS-1909A	Repair	Water	Procurement	Lothrop Rd. 2nd Street to Woodward	2nd Street	Woodward	5	New Center Commons
CS-1909A	Repair	Water	Procurement	Lothrop Rd. 3rd Street to 2nd Street	3rd Street	2nd Street	5	New Center Commons
DWS-932	REHAB	Sewer	Procurement	Lyndon St From Artesian St To Glastonbury Ave	Artesian St	Glastonbury Ave	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Lyndon St From Artesian St To Stahelin Ave	Artesian St	Stahelin Ave	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Lyndon St From Artesian St To Stahelin Ave	Artesian St	Stahelin Ave	1	Rosedale Park
DWS-932	REHAB	Sewer	Procurement	Lyndon St From Artesian St To Stahelin Ave	Artesian St	Stahelin Ave	1	Rosedale Park
DWS-918	EPR	Sewer	Procurement	Lyndon St From Artesian St To Warwick St	Artesian St	Warwick St	1	Rosedale Park
DWS-932	REHAB	Sewer	Procurement	Lyndon St From Ashton Rd To Archdale St	Ashton Rd	Archdale St	1	Rosedale Park
DWS-918		Sewer	Procurement	Lyndon St From Glastonbury Ave To Greenview Rd	Glastonbury Ave	Greenview Rd	1	Rosedale Park
DWS-918	CLEAN	Sewer	Procurement	Lyndon St From Glastonbury Ave To Greenview Rd	Glastonbury Ave	Greenview Rd	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Lyndon St From Greenview Rd To Artesian St	Greenview Rd	Artesian St	1	Rosedale Park
DWS-932	REHAB	Sewer	Procurement	Lyndon St From Piedmont St To Artesian St	Piedmont St	Artesian St	1	Rosedale Park
DWS-932	REHAB	Sewer	Procurement	Lyndon St From Piedmont St To Warwick St	Piedmont St	Warwick St	1	Rosedale Park
DWS-918	CLEAN	Sewer	Procurement	Lyndon St From Stahelin Ave To Glastonbury Ave	Stahelin Ave	Glastonbury Ave	1	Rosedale Park
DWS-918	EPRCROSS	Sewer	Procurement	Lyndon St From Stahelin Ave To Glastonbury Ave	Stahelin Ave	Glastonbury Ave	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Lyndon St From Stahelin Ave To Glastonbury Ave	Stahelin Ave	Glastonbury Ave	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Lyndon St From Stahelin Ave To Glastonbury Ave	Stahelin Ave	Glastonbury Ave	1	Rosedale Park
DWS-932	LINE	Sewer	Procurement	Lyndon St From Stahelin Ave To Glastonbury Ave	Stahelin Ave	Glastonbury Ave	1	Rosedale Park
DWS-932	REHAB	Sewer	Procurement	Lyndon St From Warwick St To Acacia St	Warwick St	Acacia St	1	Rosedale Park
DWS-918	EPR	Sewer	Procurement	Lyndon St From Warwick St To Artesian St	Warwick St	Artesian St	1	Rosedale Park
DWS-918		Sewer	Procurement	Lyndon St From Warwick St To Piedmont St	Warwick St	Piedmont St	1	Rosedale Park
DWS-918	CLEAN	Sewer	Procurement	Lyndon St From Warwick St To Piedmont St	Warwick St	Piedmont St	1	Rosedale Park
DWS-918		Sewer	Procurement	Lyndon St From Warwick St To Stahelin Ave	Warwick St	Stahelin Ave	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Lyndon St From Warwick St To Stahelin Ave	Warwick St	Stahelin Ave	1	Rosedale Park
DWS-908	Repair	Sewer	Construction	Mack Av from Lincoln Rd to Private Driveway	Lincoln Rd	Private Driveway	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Mack Av from Lincoln Rd to Private Driveway	Lincoln Rd	Private Driveway	4	Cornerstone Village
WS-712	Replace	Water	Construction	Mack Ave Moross Rd to Allard Ave	Moross Rd	Allard Ave	4	Cornerstone Village
WS-712	Replace	Water	Construction	Mack Ave Neff Ave northeast towards Hereford St	Neff Ave northeast	Hereford St	4	Cornerstone Village



Project ID	Activity	Type	Phase	Location	Street From	Street To	District	Neighborhood
DWS-908	Repair	Sewer	Construction	New York Cadieux to Guilford	Cadieux	Guilford	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	New York Cadieux to Guilford	Cadieux	Guilford	4	Cornerstone Village
WS-712	Replace	Water	Construction	New York St Cadieux Rd northeast to Guilford St	Cadieux Rd northeast	Guilford St	4	Cornerstone Village
WS-713	Replace	Water	Design	Newport Avondale to Essex	Avondale	Essex	4	Jefferson Chalmers
WS-713	Loop	Water	Design	Newport dead end to Park	Lenox	Newport	4	Jefferson Chalmers
WS-713	Replace	Water	Design	Newport dead end to Scripps (added new valve)	Scripps	Dead End South	4	Jefferson Chalmers
CS-1909A	Repair	Water	Procurement	Oakfield Puritan to Verne	Puritan	Verne	1	Cray/St Marys
PC-801A	Repair	Water	Construction	Oakman Joy to Tireman	Joy	Tireman	7	Aviation Sub
DWS-908	Repair	Sewer	Construction	Oldtown from Chandler Park to Southampton	Chandler Park	Southampton	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Oldtown St			4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Oldtown St			4	Cornerstone Village
WS-712	Replace	Water	Construction	Oldtown St Chandler Park Dr southeast to Southampton St	Chandler Park Dr southeast	Southampton St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Oldtown St from Harper Ave to Linville St	Harper Ave	Linville St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Oldtown St from Harper Ave to Linville St	Harper Ave	Linville St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Oldtown St from Harper Ave to Linville St	Harper Ave	Linville St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Oldtown St from Harper Ave to Linville St	Harper Ave	Linville St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Oldtown St from Linville St to Chandler Park Dr	Linville St	Chandler Park Drive	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Ontario Cadieux to Guilford	Cadieux	Guilford	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Ontario Cadieux to Guilford	Cadieux	Guilford	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Ontario Cadieux to Guilford	Cadieux	Guilford	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Ontario Cadieux to Guilford	Cadieux	Guilford	4	Cornerstone Village
WS-712	Repair	Water	Construction	Opal Canyon St. to Mack Ave	Canyon St.	Mack Ave	4	Cornerstone Village
CS-1909A	Repair	Water	Procurement	Orangelawn Burt to Westwood	Burt	Westwood	7	Franklin Park
DWS-918	TPR-Liner	Sewer	Procurement	Outer Dr From Grand River Ave To Midland St	Grand River Ave	Midland St	1	Rosedale Park
DWS-918	TPR-Liner	Sewer	Procurement	Outer Dr From Grand River Ave To Midland St	Grand River Ave	Midland St	1	Rosedale Park
DWS-907	Repair	Sewer	Construction	Outer Dr from McNichols Rd to Grand River Av	McNichols Rd	Grand River Dr	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Outer Dr from McNichols Rd to Grand River Av	McNichols Rd	Grand River Dr	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Outer Dr from McNichols Rd to Grand River Av	McNichols Rd	Grand River Dr	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Outer Dr from McNichols Rd to Grand River Av	McNichols Rd	Grand River Dr	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Outer Dr from McNichols Rd to Grand River Av	McNichols Rd	Grand River Dr	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Outer Dr from McNichols Rd to Grand River Av	McNichols Rd	Grand River Dr	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Outer Dr from McNichols Rd to Grand River Av	McNichols Rd	Grand River Dr	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Outer Dr from McNichols Rd to Grand River Av	McNichols Rd	Grand River Dr	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Outer Dr from McNichols Rd to Grand River Av	McNichols Rd	Grand River Dr	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Outer Dr from McNichols Rd to Grand River Av	McNichols Rd	Grand River Dr	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Outer Dr from McNichols Rd to Grand River Av	McNichols Rd	Grand River Dr	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Outer Dr from McNichols Rd to Grand River Av	McNichols Rd	Grand River Dr	1	North Rosedale Park
DWS-918	LINE	Sewer	Procurement	Outer Dr W From Fenkell St To Keeler St	Fenkell St	Keeler St	1	Rosedale Park
DWS-918	TPR-Liner	Sewer	Procurement	Outer Dr W From Midland St To Keeler St	Midland St	Keeler St	1	Rosedale Park
CS-1909A	Replace	Water	Procurement	Pallister Lodge Service Dr. to 3rd	Lodge Service Dr.	3rd	5	New Center Commons
PC-808	EPR	Sewer	Procurement	Parkland From Warren Ave W To Majestic	Warren Ave W	Majestic	7	Far West Detroit
PC-808	CLEAN	Sewer	Procurement	Parkland From Warren Ave W To Majestic	Warren Ave W	Majestic	7	Far West Detroit
DWS-917	LINE	Sewer	Procurement	Patton St From Florence St To Gran River Ave	Florence St	Gran River Ave	1	Riverdale
DWS-917	CCTV	Sewer	Procurement	Patton St From Florence St To Puritan St	Florence St	Puritan St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Patton St From Florence St To Puritan St	Florence St	Puritan St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Patton St From Grand River Ave To Florence St	Grand River Ave	Florence St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Patton St From Puritan St To Florence St	Puritan St	Florence St	1	Riverdale
WS-715	Lining	Water	Procurement	Patton St Grand River Ave to Pilgrim	Grand River Ave	Pilgrim	1	Riverdale
WS-707	Repair	Water	Construction	Pembroke James Couzens to Biltmore	James Couzens	Biltmore	2	Greenfield
CS-1909A	Repair	Water	Procurement	Penrod Eaton to Lyndon	Eaton	Lyndon	1	Rosedale Park
WS-715	Replace	Water	Procurement	Pernod Eaton to Lyndon	Eaton	Lyndon	1	Rosedale Park
WS-715	Replace	Water	Procurement	Perpendicular to Grand River Ave 183' South of Glastonbury Ave	183' from Glastonbury	<Null>	1	North Rosedale Park
DWS-916	Clean	Sewer	Construction	Philadelphia St W From John C Lodge Fwy To 3rd St	John C Lodge Fwy	3rd St	5	Piety Hill
DWS-916	Clean	Sewer	Construction	Philadelphia St W From John C Lodge Fwy To 3rd St	John C Lodge Fwy	3rd St	5	Piety Hill
WS-713	Replace	Water	Design	Philip Essex to Scripps	Essex	Scripps	4	Jefferson Chalmers
WS-720	Replace	Water	Design	Piedmont St	Joy Rd	Cathedral St	7	Franklin Park
DWS-918	TPR-Liner	Sewer	Procurement	Piedmont St From Lyndon St To Acacia St	Lyndon St	Acacia St	1	Rosedale Park
CS-1909A	Repair	Water	Procurement	Pierson Belton to Tireman	Belton	Tireman	7	Warrendale
CS-1909A	Repair	Water	Procurement	Pierson Santa Clara to McNichols	Santa Clara	McNichols	1	Bentler-Pickford
DWS-917	CCTV	Sewer	Procurement	Pierson St From Florence St To Puritan St	Florence St	Puritan St	1	Riverdale



Project ID	Activity	Type	Phase	Location	Street From	Street To	District	Neighborhood
DWS-908	Repair	Sewer	Construction	Radnor St from Chandler Park Dr to Warren Ave	Chandler Park	Warren Av	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Radnor St from Chester St to Berden St	Chester St	Berden St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Radnor St from Chester St to Berden St	Chester St	Berden St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Radnor St from Chester St to Berden St	Chester St	Berden St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Radnor St from Chester St to Berden St	Chester St	Berden St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Radnor St from Chester St to Berden St	Chester St	Berden St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Radnor St from Chester St to Berden St	Chester St	Berden St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Radnor St from Warren Av to Mack Av	Warren Av	Mack Av	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Radnor St from Warren Av to Mack Av	Warren Av	Mack Av	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Radnor St from Warren Av to Mack Av	Warren Av	Mack Av	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Radnor St from Warren Av to Mack Av	Warren Av	Mack Av	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Radnor St from Warren Av to Mack Av	Warren Av	Mack Av	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Radnor St from Warren Av to Mack Av	Warren Av	Mack Av	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Radnor St from Warren Av to Mack Av	Warren Av	Mack Av	4	Cornerstone Village
WS-712	Replace	Water	Construction	Radnor Warren Ave to Frankfort St.	Warren Ave	Frankfort St.	4	Cornerstone Village
DWS-917	REPLACE	Sewer	Procurement	Ridge Rd From Florence St To S Riverdale Dr	Florence St	S Riverdale Dr	1	Riverdale
WS-715	Replace	Water	Procurement	Ridge Rd Riverdale to Florence	Riverdale	Florence	1	Riverdale
DWS-908	Repair	Sewer	Construction	Rite Aid Pharmacy from Oldtown to Bluehill St	Oldtown	Bluehill	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Rite Aid Pharmacy from Oldtown to Bluehill St	Oldtown	Bluehill	4	Cornerstone Village
DWS-917	TPR-Liner	Sewer	Procurement	Riverview St From Dehner St To McNichols Rd	Dehner St	McNichols Rd	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Riverview St From Dehner St To McNichols Rd W	Dehner St	McNichols Rd W	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Riverview St From Dehner St To McNichols Rd W	Dehner St	McNichols Rd W	1	Riverdale
DWS-917	CUT_GRIND_I	Sewer	Procurement	Riverview St From McNichols Rd W To Dehner St	McNichols Rd W	Dehner St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Riverview St From McNichols Rd W To Dehner St	McNichols Rd W	Dehner St	1	Riverdale
WS-706	Repair	Water	Construction	Robson Ave. Curtis Ave. to W. Seven Mile	Curtis Ave.	W. Seven Mile	2	Winship
DWS-917	LINE	Sewer	Procurement	Rockdale St & Grove St Intersection			1	Riverdale
DWS-917	LINE	Sewer	Procurement	Rockdale St & Grove St Intersection			1	Riverdale
DWS-917	LINE	Sewer	Procurement	Rockdale St & Grove St Intersection			1	Riverdale
DWS-917	LINE	Sewer	Procurement	Rockdale St From Grove St To McNichols Rd W	Grove St	McNichols Rd W	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Rockdale St From Grove St To McNichols Rd W	Grove St	McNichols Rd W	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Rockdale St From Grove St To McNichols Rd W	Grove St	McNichols Rd W	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Rockdale St From Grove St To McNichols Rd W	Grove St	McNichols Rd W	1	Riverdale
DWS-917	CCTV	Sewer	Procurement	Rockdale St From Grove St To Verne St	Grove St	Verne St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Rockdale St From Grove St To Verne St	Grove St	Verne St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Rockdale St From Grove St To Verne St	Grove St	Verne St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Rockdale St From Grove St To Verne St	Grove St	Verne St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Rockdale St From McNichols Rd W To Grove St	McNichols Rd W	Grove St	1	Riverdale
DWS-917	CCTV	Sewer	Procurement	Rockdale St From Verne St To Grove St	Verne St	Grove St	1	Riverdale
DWS-917	REPLACE	Sewer	Procurement	Rockdale St From Verne St To Grove St	Verne St	Grove St	1	Riverdale
WS-712	Replace	Water	Construction	Rolandale St. Hillcrest St to Moross Rd	Hillcrest St	Moross Rd	4	Cornerstone Village
WS-712	Repair	Water	Construction	Rolandale St. Moross Rd. to Kingsville St.	Moross Rd.	Kingsville St.	4	Cornerstone Village
CS-1909A	Repair	Water	Procurement	Rosemont Curtis to Margareta	Curtis	Margareta	1	Evergreen-Outer Drive
CS-1909A	Repair	Water	Procurement	Rosemont Fargo to Hessel	Fargo	Hessel	1	O'Hair Park
CS-1909A	Repair	Water	Procurement	Rosemont Schoolcraft to Dead End	Schoolcraft	Dead End	1	Schoolcraft-I96
DWS-907	Repair	Sewer	Construction	Rosemont Ave from Bretton Dr to Midland ST	Bretton Dr	Midland St	1	North Rosedale Park
DWS-907	Replace	Water	Construction	Rosemont Ave from McNichols Rd to Midland St	McNichols Rd	Midland St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Rosemont Ave from Verne St to Pilgrim St	Verne St	Pilgrim ST	1	North Rosedale Park
DWS-907	REPLACE	Sewer	Construction	Rosemont Ave from Verne St to Pilgrim St	Verne St	Pilgrim ST	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Rosemont Ave from Verne St to Pilgrim St	Verne St	Pilgrim ST	1	North Rosedale Park
CS-1909A	Repair	Water	Procurement	Rosemont Van Buren to Constance	Van Buren	Constance	7	Warrendale
CS-1909A	Repair	Water	Procurement	Rutherford Keeler to Puritan	Keeler	Puritan	1	Cray/St Marys
DWS-917	LINE	Sewer	Procurement	S Riverdale Dr From Hazelton St To W Parkway St	Hazelton St	W Parkway St	1	Riverdale
DWS-917	TPR-Liner	Sewer	Procurement	S Riverdale Dr From W Parkway St To Beaverland St	W Parkway St	Beaverland St	1	Riverdale
WS-720	Replace	Water	Design	Sawyer St to Parkland ST	Sawyer	Parkland ST	7	Far West Detroit
DWS-907	Repair	Sewer	Construction	Scarsdale St from Avon Rd to Glastonbury AV	Avon Rd	Glastonbury Av	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Scarsdale St from Avon Rd to Glastonbury AV	Avon Rd	Glastonbury Av	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Scarsdale St from Avon Rd to Glastonbury AV	Avon Rd	Glastonbury Av	1	North Rosedale Park
CS-1909A	Repair	Water	Procurement	Schaefer Joy Road to Tireman	Joy Road	Tireman	7	We care Community
CS-1909A	Repair	Water	Procurement	Schaefer NB/SB W. Chicago to 830 feet south of Westfield	W. Chicago	830 feet south of Westfield	7	Joy-schaefer
WS-710	Repair	Water	Procurement	Schoolcraft Asbury Park to Greenfield	Asbury Park	Greenfield	1	Greenfield-Grand River

Project ID	Activity	Type	Phase	Location	Street From	Street To	District	Neighborhood
CS-1909A	Repair	Water	Procurement	Schoolcraft Asbury Park to Mettetal	Asbury Park	Mettetal	1	Greenfield-Grand River
WS-710	Repair	Water	Procurement	Schoolcraft Greenfield to Grand River	Greenfield	Grand River	1	Cadillac Community
WS-713	Replace	Water	Design	Scripps Ashland to Lakewood	Ashland	Lakewood	4	Jefferson Chalmers
WS-713	Lining	Water	Design	Scripps Lakewood to Lenox	Lakewood	Lenox	4	Jefferson Chalmers
CS-1909A	Repair	Water	Procurement	Seven Mile Dequindre to Ryan	Dequindre	Ryan	3	Northeast Central Distric
CS-1909A	Repair	Water	Procurement	Seven Mile John R. to Dequindre	John R.	Dequindre	3	Hawthorne Park
CS-1909A	Repair	Water	Procurement	Seven Mile Mound to Van Dyke	Mound	Van Dyke	3	Grant
CS-1909A	Repair	Water	Procurement	Seven Mile Ryan to Mound	Ryan	Mound	3	Krainz Woods
DWS-916	Clean	Sewer	Construction	Seville Row From Bethune St W To Lothrop Rd	Bethune St W	Lothrop Rd	5	New Center Commons
DWS-916	Line	Sewer	Construction	Seville Row From Bethune St W To Lothrop Rd	Bethune St W	Lothrop Rd	5	New Center Commons
DWS-916	Clean	Sewer	Construction	Seward St	3rd St	2nd Ave	5	New Center Commons
DWS-916		Sewer	Construction	Seward St	Virginia Park St	Woodward Ave	5	New Center Commons
WS-718	Replace	Water	Construction	Seward St 2nd Ave to 3rd St	2nd Ave	3rd St	5	New Center Commons
DWS-916	EPR	Sewer	Construction	Seward St From John C Lodge Fwy To Merrill St	John C Lodge Fwy	Merrill St	5	New Center Commons
DWS-907	Repair	Sewer	Construction	Shaftsbury Ave from McNichols Rd to Grove St	McNichols Rd	Grove St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Shaftsbury Ave from McNichols Rd to Grove St	McNichols Rd	Grove St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Shaftsbury Ave from McNichols Rd to Grove St	McNichols Rd	Grove St	1	North Rosedale Park
DWS-908	Repair	Sewer	Construction	Sioux Guilford to Cadieux	Guildford	Cadieux	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Sioux Guilford to Cadieux	Guildford	Cadieux	4	Cornerstone Village
WS-712	Replace	Water	Construction	Sioux St Cadieux Rd northeast to Guilford St	Cadieux Rd northeast	Guilford St	4	Cornerstone Village
CS-1909A	Repair	Water	Procurement	Sorrento Joy to Tireman	Joy	Tireman	7	Aviation Sub
WS-712	Replace	Water	Construction	Southampton St Oldtown St northeast to Bluehill St	Oldtown St NorthEast	Bluehill St	4	Cornerstone Village
DWS-907	Repair	Sewer	Construction	Southfield FWY			1	North Rosedale Park
DWS-918		Sewer	Procurement	Southfield Fwy From Acacia St To Lyndon St	Acacia St	Lyndon St	1	Rosedale Park
DWS-918	CLEAN	Sewer	Procurement	Southfield Fwy From Chalfonte St To Eaton St	Chalfonte St	Eaton St	1	Rosedale Park
DWS-918	EPR	Sewer	Procurement	Southfield Fwy From Chalfonte St To Eaton St	Chalfonte St	Eaton St	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Southfield Fwy From Chalfonte St To Eaton St	Chalfonte St	Eaton St	1	Rosedale Park
DWS-918	CLEAN	Sewer	Procurement	Southfield Fwy From Eaton St To Lyndon St	Eaton St	Lyndon St	1	Rosedale Park
DWS-918	CLEAN	Sewer	Procurement	Southfield Fwy From Eaton St To Lyndon St	Eaton St	Lyndon St	1	Rosedale Park
DWS-918	CLEAN	Sewer	Procurement	Southfield Fwy From Fenkell St To Chalfonte St	Fenkell St	Chalfonte St	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Southfield Fwy From Lyndon St To Acacia St	Lyndon St	Acacia St	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Southfield Fwy From Lyndon St To Acacia St	Lyndon St	Acacia St	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Southfield Fwy From Lyndon St To Acacia St	Acacia St	Lyndon St	1	Rosedale Park
DWS-918	CLEAN	Sewer	Procurement	Southfield Fwy From Lyndon St To Acacia St	Acacia St	Lyndon St	1	Rosedale Park
DWS-918	TPR-Liner	Sewer	Procurement	Southfield Fwy From Lyndon St To Acacia St	Lyndon St	Acacia St	1	Rosedale Park
DWS-918	REPLACE	Sewer	Procurement	Southfield Fwy From Lyndon St To Acacia StL	Acacia St	Lyndon St	1	Rosedale Park
DWS-918	CLEAN	Sewer	Procurement	Southfield Fwy From Lyndon St To Midfield St	Lyndon St	Midfield St	1	Rosedale Park
DWS-918	CUT_GRIND_I	Sewer	Procurement	Southfield Fwy From Lyndon St To Midfield St	Lyndon St	Midfield St	1	Rosedale Park
DWS-907	Repair	Sewer	Construction	Southfield FWY from McNichols Rd to Keeler St	McNichols Rd	Keeler St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Southfield FWY from McNichols Rd to Keeler St	McNichols Rd	Keeler St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Southfield FWY from McNichols Rd to Keeler St	McNichols Rd	Keeler St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Southfield FWY from McNichols Rd to Keeler St	McNichols Rd	Keeler St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Southfield FWY from McNichols Rd to Keeler St	McNichols Rd	Keeler St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Southfield FWY from McNichols Rd to Keeler St	McNichols Rd	Keeler St	1	North Rosedale Park
WS-715	Replace	Water	Procurement	Southfield FWY Grand River Ave to Lyndon St	Grand River Ave	Lyndon St	1	Rosedale Park
CS-1909A	Repair	Water	Procurement	Southfield Svc Drive North Fenkell to Puritan	Fenkell	Puritan	1	North Rosedale Park
CS-1909A	Repair	Water	Procurement	Southfield Svc Drive North Schoolcraft to Grand River	Schoolcraft	Grand River	1	Grandmont
DWS-916	Clean	Sewer	Construction	St Antoine St	Eliot St	Mack Ave	5	Brewster Homes
DWS-916		Sewer	Construction	St Antoine St	Eliot St	Mack Ave	5	Brewster Homes
DWS-916	Clean	Sewer	Construction	St Antoine St	Eliot St	Mack Ave	5	Brewster Homes
DWS-916		Sewer	Construction	St Antoine St From Mack Ave To Eliot St	Mack Ave	Eliot St	5	Brewster Homes
DWS-916	Clean	Sewer	Construction	St Antoine St From Chrysler Dr To Alfred St	Chrysler Dr	Alfred St	5	Brewster Douglas
DWS-916	Clean	Sewer	Construction	St Antoine St From Chrysler Dr To Alfred St	Chrysler Dr	Alfred St	5	Brewster Douglas
DWS-916	Clean	Sewer	Construction	St Antoine St From Chrysler Dr To Alfred St	Chrysler Dr	Alfred St	5	Brewster Douglas
DWS-918		Sewer	Procurement	Stahelin Ave From Fenkell St To Keeler St	Fenkell St	Keeler St	1	Rosedale Park
DWS-907	Replace	Water	Construction	Stahelin Ave from Florence St to Puritan St	Florence St	Puritan St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Stahelin Ave from Grove St to Verne St	Grove St	Verne St	1	North Rosedale Park
DWS-918	CLEAN	Sewer	Procurement	Stahelin Ave From Keeler St To Fenkell St	Keeler St	Fenkell St	1	Rosedale Park
WS-706	Repair	Water	Construction	Stansbury Ave. Outer Drive to Curtis	Outer Drive	Curtis	2	Winship
WS-720	Replace	Water	Design	Stansbury St	Intervale St	Lyndon St	7	Grand River-I96



Project ID	Activity	Type	Phase	Location	Street From	Street To	District	Neighborhood
DWS-907	Repair	Sewer	Construction	Verne St from Evergreen Rd to Sunderland Rd	Evergreen Rd	Sunderland Rd	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Verne St from Evergreen Rd to Sunderland Rd	Evergreen Rd	Sunderland Rd	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Verne St from Evergreen Rd to Sunderland Rd	Evergreen Rd	Sunderland Rd	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Verne St from Evergreen Rd to Sunderland Rd	Evergreen Rd	Sunderland Rd	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Verne St from Evergreen Rd to Sunderland Rd	Evergreen Rd	Sunderland Rd	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Verne St from Evergreen Rd to Sunderland Rd	Evergreen Rd	Sunderland Rd	1	North Rosedale Park
DWS-917	LINE	Sewer	Procurement	Verne St From Pierson St To Burt Rd	Pierson St	Burt Rd	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Verne St From Rockdale St To Dolphin St	Rockdale St	Dolphin St	1	Riverdale
DWS-917	TPR-Liner	Sewer	Procurement	Verne St From Rockdale St To Dolphin St	Rockdale St	Dolphin St	1	Riverdale
WS-718	Replace	Water	Construction	Virginia Park St Woodward Ave to John Lodge Fwy	Woodward Ave	John Lodge Fwy	5	Virginia Park
WS-718	Replace	Water	Construction	Virginia Park St Woodward Ave to John Lodge Fwy	Woodward Ave	John Lodge Fwy	5	Virginia Park
CS-1909A	Repair	Water	Procurement	Virginia Park St.(S) John C Lodge to 3rd Street	John C Lodge	3rd Street	5	Virginia Park
DWS-917	LINE	Sewer	Procurement	W Parkway St From Florence St To Verne St	Florence St	Verne St	1	Riverdale
PC-808	CUT_GRIND_I	Sewer	Procurement	W Parkway St From Majestic To Sawyer St	Majestic	Sawyer St	7	Far West Detroit
DWS-917	LINE	Sewer	Procurement	W Parkway St From S Riverdale Dr To Verne St	S Riverdale Dr	Verne St	1	Riverdale
DWS-917	CLEAN	Sewer	Procurement	W Parkway St From Verne St To Florence St	Verne St	Florence St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	W Parkway St From Verne St To Florence St	Verne St	Florence St	1	Riverdale
DWS-917	CLEAN	Sewer	Procurement	W Parkway St From Verne St To S Riverdale Dr	Verne St	S Riverdale Dr	1	Riverdale
CS-1909A	Repair	Water	Procurement	W. Chicago Stout to Evergreen	Stout	Evergreen	7	Franklin Park
CS-1909A	Repair	Water	Procurement	W. Parkway Tireman to Sawyer	Tireman	Sawyer	7	Far West Detroit
CS-1909A	Repair	Water	Procurement	Ward Joy to Tireman	Joy	Tireman	7	Aviation Sub
DWS-908	Repair	Sewer	Construction	Warren Guilford to Cadieux	Guilford	Cadieux	4	Cornerstone Village
WS-706	Repair	Water	Construction	Warren Parkland to Heyden	Parkland	Heyden	7	Rouge Park
WS-712	Repair	Water	Construction	Warren Ave Cadieux Ave to Guilford St	Cadieux Ave	Guilford St	4	Cornerstone Village
WS-712	Replace	Water	Construction	Warren Ave (north) Farmbrook St northeast to Canyon St	Farmbrook St northeast	Canyon St	4	Cornerstone Village
WS-712	Repair	Water	Construction	Warren Ave (north) Guilford St northeast to Woodhall St	Guilford St northeast	Woodhall St	4	Cornerstone Village
WS-712	Repair	Water	Construction	Warren Ave (south) Farmbrook St northeast to Canyon St	Farmbrook St northeast	Canyon St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Warren Ave Cadieux Rd to Private Driveway	Cadieux Rd	Private Driveway	4	Cornerstone Village
PC-808	LINE	Sewer	Procurement	Warren Ave W & Ann Arbor Trl Intersection			7	Far West Detroit
WS-712	Replace	Water	Construction	Warren Ave. Cadieux Rd. to Guilford St.	Cadieux Rd.	Guilford St.	4	Cornerstone Village
WS-710	Repair	Water	Procurement	Warren Evergreen to Southfield	Evergreen	Southfield	7	Warrendale
WS-710	Repair	Water	Procurement	Warren Heyden to Evergreen	Heyden	Evergreen	7	Warrendale
DWS-907	REPLACE	Sewer	Construction	Warwick St from Bretton Dr to Gainsborough Rd	Bretton Dr	Gainsborough Rd	1	North Rosedale Park
DWS-918	LINE	Sewer	Procurement	Warwick St From Chalfonte St To Fenkell St	Fenkell St	Chalfonte St	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Warwick St From Fenkell St To Chalfonte St	Fenkell St	Chalfonte St	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Warwick St From Fenkell St To Chalfonte St	Fenkell St	Chalfonte St	1	Rosedale Park
DWS-918	TPR-Liner	Sewer	Procurement	Warwick St From Fenkell St To Chalfonte St	Fenkell St	Chalfonte St	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Warwick St From Grand River Ave To Midland St	Grand River Ave	Midland St	1	Rosedale Park
DWS-918	LINE	Sewer	Procurement	Warwick St From Grand River Ave To Midland St	Grand River Ave	Midland St	1	Rosedale Park
DWS-918	REPLACE	Sewer	Procurement	Warwick St From Lyndon St To Eaton St	Lyndon St	Eaton St	1	Rosedale Park
DWS-907	REPLACE	Sewer	Construction	Warwick St from McNichols Rd to Verne St	McNichols Rd	Verne St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Warwick St from McNichols Rd to Verne St	McNichols Rd	Verne St	1	North Rosedale Park
DWS-907	Repair	Sewer	Construction	Warwick St from McNichols Rd to Verne St	McNichols Rd	Verne St	1	North Rosedale Park
DWS-907	Replace	Water	Construction	Warwick St from McNichols Rd to Puritan St	McNichols Rd	Puritan St	1	North Rosedale Park
DWS-916		Sewer	Construction	Watson St From St Antoine St To East St	St Antoine St	East St	5	Brewster Homes
WS-712	Replace	Water	Construction	Waveney St Cadieux Rd northeast to Guilford St	Cadieux Rd northeast	Guilford St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Waveney St near Woodhall Intersection	Guilford St	Waveney St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Waveney St near Woodhall Intersection	Guilford St	Waveney St	4	Cornerstone Village
CS-1909A	Repair	Water	Procurement	West Chicago West Outer Drive to Hazelton/City Limits	West Outer Drive	Hazelton/City Limits	7	West Outer Drive
WS-710	Repair	Water	Procurement	West Chicago City Limits to Brammel	City Limits	Brammel	7	Rouge Park
CS-1909A	Repair	Water	Procurement	West Grand Blvd Linwood to Lodge Frwy	Linwood	Lodge Frwy	5	Henry Ford
CS-1909A	Repair	Water	Procurement	West Grand Blvd Magnolia to McGraw	Magnolia	McGraw	6	Chadsey Condon
CS-1909A	Repair	Water	Procurement	West Grand Blvd McGraw to Linwood	McGraw	Linwood	5	Midwest
CS-1909A	Repair	Water	Procurement	West Grand Blvd Vernor to Magnolia	Vernor	Magnolia	6	Southwest Detroit
CS-1909A	Repair	Water	Procurement	West Grand Blvd W. Jefferson Ave. to Vernor	W. Jefferson Ave.	Vernor	6	Mexicantown
CS-1909A	Repair	Water	Procurement	West Outer Dr. Fenkell to Evergreen	Fenkell	Evergreen	1	Rosedale Park
WS-710	Repair	Water	Procurement	West Outer Drive Joy Road to Warren	Joy Road	Warren	7	Rouge Park
WS-711	Repair	Water	Procurement	West Parkway Tireman to Plymouth	Tireman	Plymouth	7	Rouge Park
DWS-917	CCTV	Sewer	Procurement	Westbrook St From Grand River Ave To Verne St	Grand River Ave	Verne St	1	Riverdale
DWS-917	LINE	Sewer	Procurement	Westbrook St From Grand River Ave To Verne St	Grand River Ave	Verne St	1	Riverdale



Project ID	Activity	Type	Phase	Location	Street From	Street To	District	Neighborhood
DWS-908	Repair	Sewer	Construction	Woodhall St from Chandler Park Dr to Southampton St	Chandler Park Drive	Southampton St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Woodhall St from Harper Ave to Berden St	Harper Ave	Berden St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Woodhall St from Harper Ave to Berden St	Harper Ave	Berden St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Woodhall St from Harper Ave to Berden St	Harper Ave	Berden St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Woodhall St from Harper Ave to Berden St	Harper Ave	Berden St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Woodhall St from Linville St to Chandler Park Drive	LInville St	Chandler Park Dr	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Woodhall St from Linville St to Chandler Park Drive	LInville St	Chandler Park Dr	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Woodhall St from Munich St to Waveney St	Munich St	Waveney St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Woodhall St from Munich St to Waveney St	Munich St	Waveney St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Woodhall St from Munich St to Waveney St	Munich St	Waveney St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Woodhall St from Munich St to Waveney St	Munich St	Waveney St	4	Cornerstone Village
DWS-908	Repair	Sewer	Construction	Woodhall St from Munich St to Waveney St	Munich St	Waveney St	4	Cornerstone Village
CS-1909A	Repair	Water	Procurement	Woodmont Fullerton to Schoolcraft	Fullerton	Schoolcraft	1	Schoolcraft-I96
DWS-916	Clean	Sewer	Construction	Woodward Ave	Mt Vernon	Marston St	5	New Center Commons
DWS-916	Clean	Sewer	Construction	Woodward Ave	Mt Vernon St	Melborne St	5	New Center Commons
DWS-917	LINE	Sewer	Procurement	Wyman St From Lamphere St To Dolphin St	Lamphere St	Dolphin St	1	Riverdale