



Access Manhole Program

Location: Central and Ridgefield

Number: Various

GL Number: 407-000-189-00-01-46 (Central)

GL Number: 407-100-189-00-01-10 (Ridgefield)

Phase: Program

Project Manager: Varies

GSP Basin: Various

Capital Improvement Project ☐

General Facilities ☐

Local Agency Partnership ☐

Septic Elimination Program ☐

Developer Reimbursement Program ☐

Restoration & Replacement Project ☒

Restoration & Replacement – Gravity ☒

Restoration & Replacement – PS & FM ☐

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. The District is held to a Level of Service standard that requires regular inspection and cleaning of all District sewers. Older installations of sewer are sometimes missing access structures which prevent the ability to inspect and maintain the sewer. This program was instituted by the General Sewer Plan to install access manholes for on-going maintenance activities. Proposed manhole locations are identified during attempts to retrieve closed circuit television (CCTV) inspection and attempts to conduct maintenance monitoring activities. Considerations and guidelines that prioritize the sites include the following:

- ERU's served – Sewers serving three or more ERU's are a higher priority for an access manhole.
- Pipe material – Ductile iron or PVC pipe are considered low priority/risk.
- Pipe slope – Pipes with steep slopes are considered low priority/risk.
- Depth – Deeper pipes are considered higher risk.

Objective. Create access to existing pipelines for on-going maintenance activities to meet level of service requirements.

Scope of Work. Installation of sewer manholes on existing pipes.

Project Statistics. N/A

Photos: N/A

Budget Information:

Project Cost Estimate:

Total Project Cost:	Program
Construction Cost:	TBD
Basis of Estimate:	Program
Date of Estimate:	Sept. 2025

Schedule Information:

Activity

Year

Predesign	Varies
Permitting	Varies
Real Property/ROW	Varies
Design	Varies
Bid	Varies
Construction	Varies



Bowyer Pump Station Removal (CIP 2-1710B)

Location: Central

Number: TBD

GL Number: TBD

Phase: Planning

Project Manager: TBD

GSP Basin: Country Meadows – 2-1710

Capital Improvement Project ☐

General Facilities ☐

Local Agency Partnership ☐

Septic Elimination Program ☐

Developer Reimbursement Program ☐

Restoration & Replacement Project ☒

Restoration & Replacement – Gravity ☐

Restoration & Replacement – PS & FM ☒

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. Identified in the 2017 General Sewer Plan. Bowyer Pump Station was constructed in 2010 as an interim station. The station has a firm capacity of 255 gpm and serves roughly 60 residential and commercial equivalent residential units.

The station can be removed with the construction of 2,000 feet of gravity trunk to accept flows from the pump station. Development projects are currently installing the gravity trunk and are expected to conclude in 2026.

Objective. Improve service and decrease maintenance costs by removing an interim pump station.

Scope of Work. Confirm gravity sewer needs to direct flow away from the pump station. Abandon and remove the interim Bowyer Pump Station and force main.

Project Statistics. Gravity sewer - TBD.

Photos: (Map of area on the reverse side)

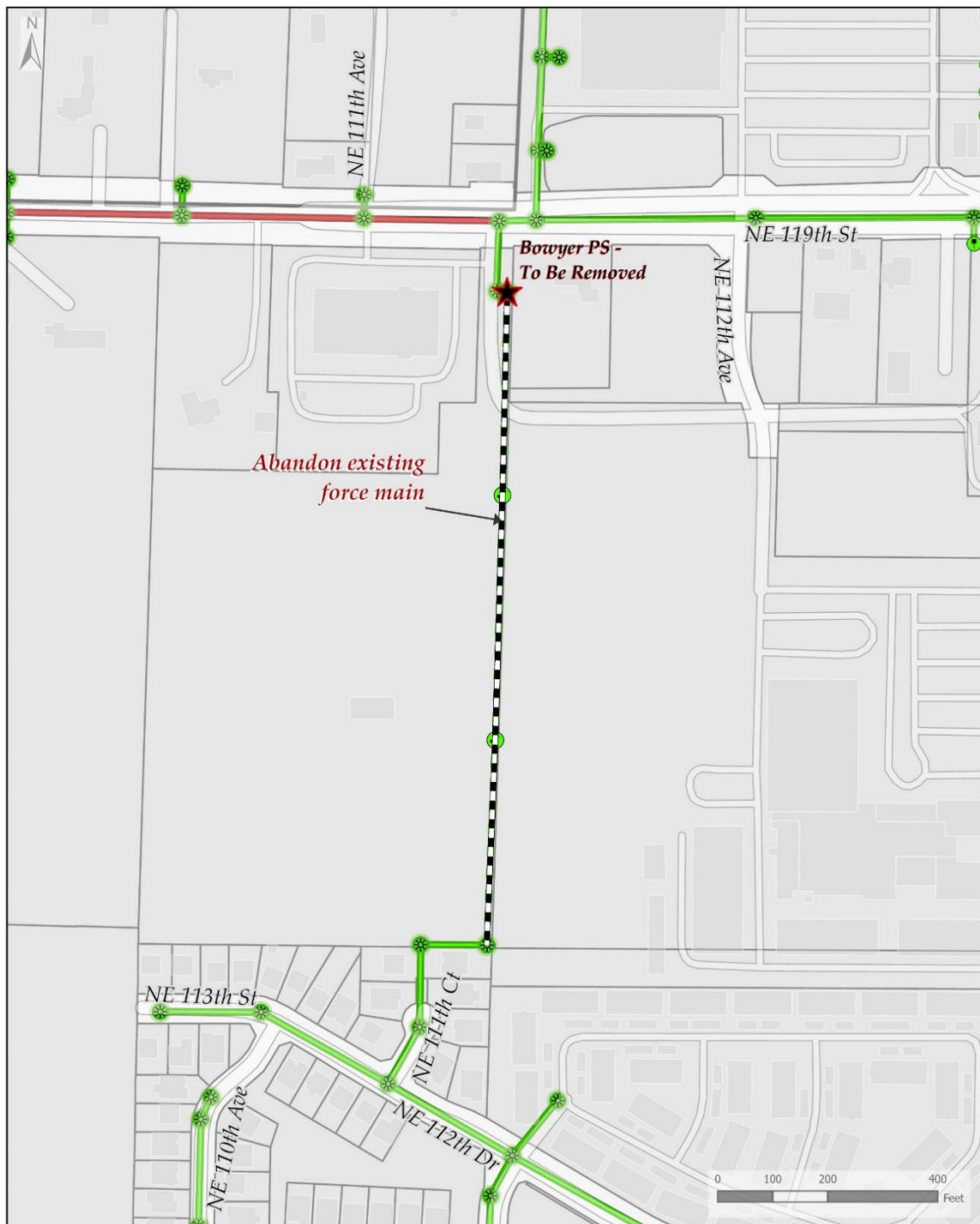
Budget Information:

Project Cost Estimate:

Total Project Cost:	\$600,000
Construction Cost:	\$500,000
Basis of Estimate:	Planning
Date of Estimate:	Sept. 2025

Schedule Information:

<u>Activity</u>	<u>Year</u>
Predesign	2033
Permitting	2033
Real Property/ROW	N/A
Design	2033
Bid	2033
Construction	2034



Bowyer PS Removal



Clark Regional Wastewater District

Ten-Year Capital Program Capital Project Profile

Bowyer Trunk (CIP 2-1710G)

Location: Central

Number: TBD

GL Number: TBD

Phase: Construction

Project Manager: Les MacDonald

GSP Basin: Country Meadows - 2-1710

Capital Improvement Project ☒

General Facilities ☐

Local Agency Partnership ☐

Septic Elimination Program ☐

Developer Reimbursement Program ☒

Restoration & Replacement Project ☐

Restoration & Replacement - Gravity ☐

Restoration & Replacement – PS & FM ☐

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. Identified in 2017 General Sewer Plan.

Objective. The elimination and abandonment of the Bowyer Pump Station require the installation of approximately 2,000 LF of 10-inch trunk sewer.

Scope of Work. Install approximately 2,000 LF of 10-inch trunk. The 10-inch size will accommodate the anticipated 50-year growth forecast.

Project Statistics. 2,000 LF of 10-inch gravity trunk.

Photos: (on the reverse side)

Budget Information:

Project Cost Estimate:

Total Project Cost:	\$100,000
Construction Cost:	\$100,000
Basis of Estimate:	Design
Date of Estimate:	Sept. 2025

Schedule Information:

Activity

Year

Predesign	By Others
Permitting	By Others
Real Property/ROW	By Others
Design	2025
Bid	By Others
Construction	2025-2026





Buckman Gardens Pump Station Removal (CIP 2-1101B)

Location: Central

Number: TBD

GL Number: TBD

Phase: Planning

Project Manager: TBD

GSP Basin: Highway 99 East – 2-1101

Capital Improvement Project ☐

General Facilities ☐

Local Agency Partnership ☐

Septic Elimination Program ☐

Developer Reimbursement Program ☐

Restoration & Replacement Project ☒

Restoration & Replacement – Gravity ☐

Restoration & Replacement – PS & FM ☒

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. Identified in the 2017 General Sewer Plan. Buckman Gardens Pump Station was constructed in 2004 as an interim station. The station has a firm capacity of 140 gpm and serves roughly 60 residential customers. The station has less than two hours of holding time and no on-site generator.

The station can be removed with the construction of approximately 1,300 feet of 8-inch gravity sewer. The gravity sewer would traverse private property and at least three easements would be required.

Objective. Improve service and decrease maintenance costs by removing an interim pump station.

Scope of Work. Install 8-inch gravity sewer from the intersection of NE 41th Avenue and NE 96th Circle, east to NE 44th Avenue, then south to NE 94th Street and east to the existing Buckman Gardens II Pump Station. Abandon and remove the interim Buckman Gardens Pump Station and force main.

Project Statistics. Gravity sewer – 1,300 feet of 8-inch gravity sewer.

Photos: (Map of area on the reverse side)

Budget Information:

Project Cost Estimate:

Total Project Cost:	\$650,000
Construction Cost:	\$500,000
Basis of Estimate:	Planning
Date of Estimate:	Sept. 2025

Schedule Information:

<u>Activity</u>	<u>Year</u>
Predesign	2034
Permitting	2034
Real Property/ROW	2034
Design	2034
Bid	2035
Construction	2035



Buckman Gardens PS Removal



City of Battle Ground Eaton Road Project

Location: Central

Number: TBD

GL Number: TBD

Phase: Predesign

Project Manager: Vanessa Johnson

GSP Basin: Meadow Glade – 2-1801

Capital Improvement Project ☐

General Facilities ☐

Local Agency Partnership ☐

Septic Elimination Program ☐

Developer Reimbursement Program ☐

Restoration & Replacement Project ☒

Restoration & Replacement – Gravity ☐

Restoration & Replacement – PS & FM ☒

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. The City of Battle Ground is installing water and gravity sewer service in Eaton Road between SW 20th Avenue and SR 503. There are two sewer assets in the project corridor: District's Meadowglade 4-inch force main and the Alliance's 16-inch Battle Ground force main. The City's project may require relocation of portions of the existing sewer assets. Relocation needs and extents remain to be confirmed.

Objective. Relocate existing sewer assets as needed to accommodate the City of Battle Grounds Eaton Road Project.

Scope of Work. TBD

Project Statistics. TBD

Photos: (Map of area on the reverse side)

Budget Information:

Project Cost Estimate:

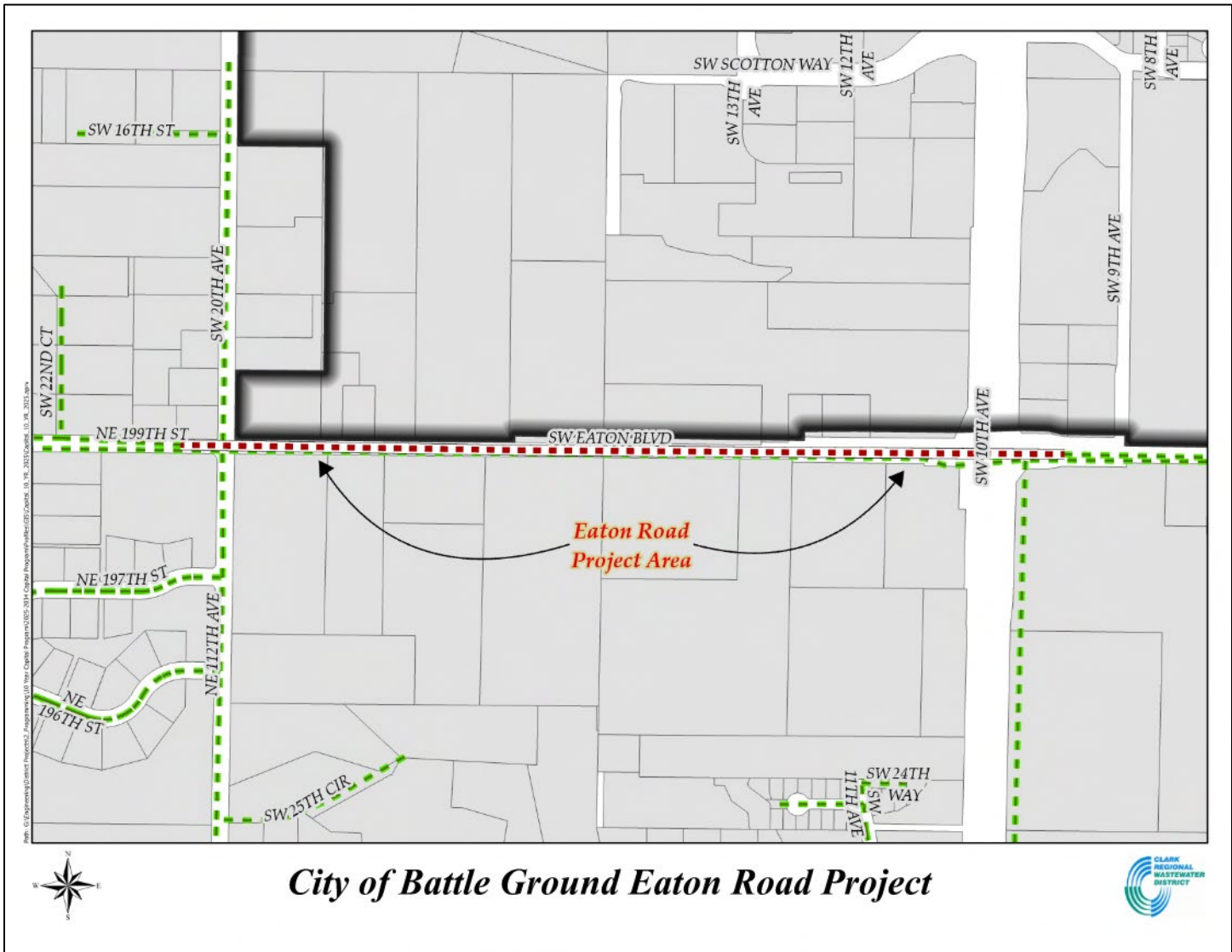
Total Project Cost:	\$970,000
Construction Cost:	\$800,000
Basis of Estimate:	Planning
Date of Estimate:	Sept. 2025

Schedule Information:

Activity

Year

Predesign	2025
Permitting	By Others
Real Property/ROW	By Others
Design	2026-2027
Bid	2027
Construction	2027-2028





Controls System Replacement Program

Location: Central & Ridgefield

Number: TBD

GL Number: TBD

Phase: Program

Project Manager: TBD

GSP Basin: Various

Capital Improvement Project ☐

General Facilities ☐

Local Agency Partnership ☐

Septic Elimination Program ☐

Developer Reimbursement Program ☐

Restoration & Replacement Project ☒

Restoration & Replacement – Gravity ☐

Restoration & Replacement – PS & FM ☒

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. Studies specific to the District's inventory of PLCs and radios recommended replacing aged equipment and standardizing on Allen Bradley CompactLogix PLCs and Viper radios.

With the oldest pump stations nearing 50 years of age, District staff have been reactively replacing faulty equipment. This program will proactively replace aged controls systems and procure shelf spares.

Approximately half of District pump stations utilize radios that operate on an unlicensed frequency. Standardizing on Viper radios will enable the District to move to a licensed frequency.

Objective. Maintain reliable sewer service by systematically replacing aged and/or unsupported controls systems.

Scope of Work. Projects to procure and replace control systems.

Project Statistics. N/A

Photos: N/A

Budget Information:

Project Cost Estimate:

Total Project Cost:	Program
Construction Cost:	TBD
Basis of Estimate:	Program
Date of Estimate:	Sept. 2025

Schedule Information:

<u>Activity</u>	<u>Year</u>
Predesign	Varies
Permitting	Varies
Real Property/ROW	Varies
Design	Varies
Bid	Varies
Construction	Varies



Cougar Creek 3 Enhancement

Location: Central

Number: TBD

GL Number: TBD

Phase: Planning

Project Manager: TBD

GSP Basin: Cougar Canyon North – 2-501

Capital Improvement Project ☐

General Facilities ☐

Local Agency Partnership ☐

Septic Elimination Program ☐

Developer Reimbursement Program ☐

Restoration & Replacement Project ☒

Restoration & Replacement – Gravity ☐

Restoration & Replacement – PS & FM ☐

Restoration & Replacement – Local Agency Partnership ☒

Project Definition:

Background. This is a Clark County stormwater project that will reconnect the incised Cougar Creek channel to its floodplain, protect existing sewer infrastructure, reduce and mitigate bank erosion, and increase wetland and riparian habitat. The cougar creek trunk sewer has a history of sections being exposed with poor bedding.

Objective. Armor and protect the Cougar Canyon trunk sewer in conjunction with County stream improvements.

Scope of Work. TBD

Project Statistics. TBD

Photos: (Map of area on the reverse side)

Budget Information:

Project Cost Estimate:

Total Project Cost:	\$70,000
Construction Cost:	\$50,000
Basis of Estimate:	Planning
Date of Estimate:	Sept. 2025

Schedule Information:

Activity

Year

Predesign	2025
Permitting	2025-2027
Real Property/ROW	2025-2027
Design	2025-2027
Bid	2028
Construction	2028



Clark Regional Wastewater District

Ten-Year Capital Program Capital Project Profile

Curtin Creek Phase 2-4 SEP

Location: Central

Number: TBD

GL Number: TBD

SEP Project Score: 75

Phase: Planning

Project Manager: TBD

GSP Basin: Schuller – 2-1707

Capital Improvement Project ☒

General Facilities ☐

Local Agency Partnership ☐

Septic Elimination Program ☒

Developer Reimbursement Program ☐

Restoration & Replacement Project ☐

Restoration & Replacement – Gravity ☐

Restoration & Replacement – PS & FM ☐

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. The Septic Elimination Program (SEP) is aimed at providing a reliable and environmentally sustainable option for public sewer service to neighborhoods that are currently on septic systems. This project scored 75 out of 100 based on prioritization criteria that considered public health, environmental protection, and social equity. The project will be delivered in multiple phases.

Objective. Assist neighborhood between NE 102nd Street, NE 94th Avenue, NE 92nd Street, and NE 87th Avenue by making public sanitary sewer available.

Scope of Work. Install 8-inch gravity main to serve 198 properties.

Project Statistics. Gravity main: 12,450 feet of 8-inch gravity main with 198 – 4-inch gravity laterals.

Photos: (Map of area on the reverse side)

Budget Information:

Project Cost Estimate:

Total Project Cost:	\$9,240,000
Construction Cost:	\$7,980,000
Basis of Estimate:	Planning
Date of Estimate:	Sept. 2025

Schedule Information:

Activity

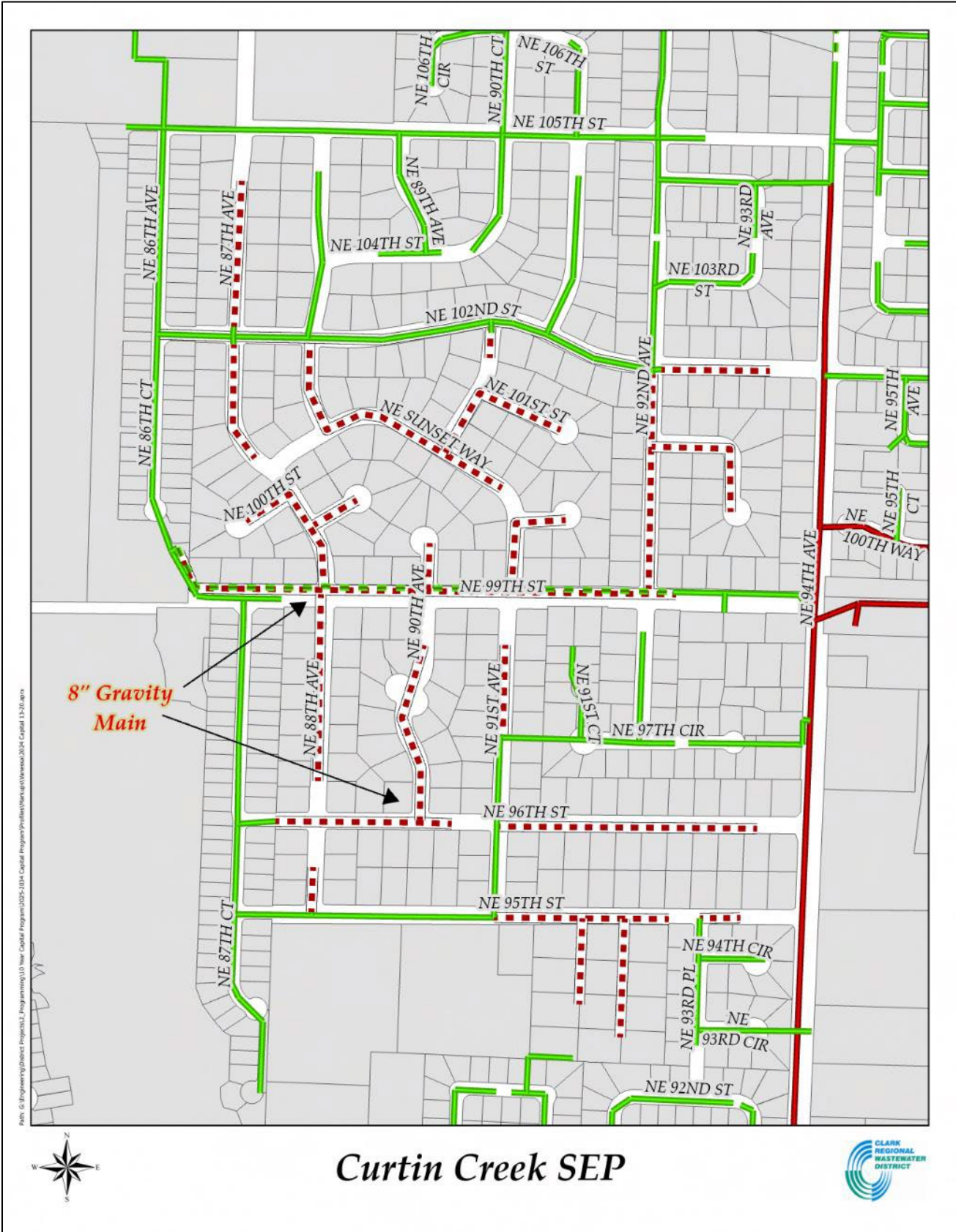
Year

Predesign	Varies
Permitting	Varies
Real Property/ROW	Varies
Design	Varies
Bid	Varies
Construction	Varies



Clark Regional Wastewater District

Ten-Year Capital Program Capital Project Profile





Clark Regional Wastewater District

Ten-Year Capital Program Capital Project Profile

Curtin Creek West Pump Station C (CIP 2-1702C)

Location: Central

Number: TBD

GL Number: TBD

Phase: Design

Project Manager: Les MacDonald

GSP Basin: Curtin Creek West - 2-1702

Capital Improvement Project ☒

General Facilities ☐

Local Agency Partnership ☐

Septic Elimination Program ☐

Developer Reimbursement Program ☒

Restoration & Replacement Project ☐

Restoration & Replacement - Gravity ☐

Restoration & Replacement – PS & FM ☐

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. Identified in the 2017 General Sewer Plan.

Objective. Provide a new pump station and force main to serve the eastern portion of the Curtin Creek West Mini-Basin.

Scope of Work. A 4-inch force main along NE 119th Street has been constructed and installed. Project will confirm capacity needs, the need to upsize the 4-inch force main, and will install a new pump station.

Project Statistics. Force main – TBD

Pump station – TBD hp duplex submersible pumps, TBD foot wetwell, three phase electrical service, diesel generator, control kiosk, and odor control chemical tank.

Photos: (on the reverse side)

Budget Information:

Project Cost Estimate:

Total Project Cost:	\$3,185,000
Construction Cost:	\$2,835,000
Basis of Estimate:	Design
Date of Estimate:	Sept. 2025

Schedule Information:

Activity

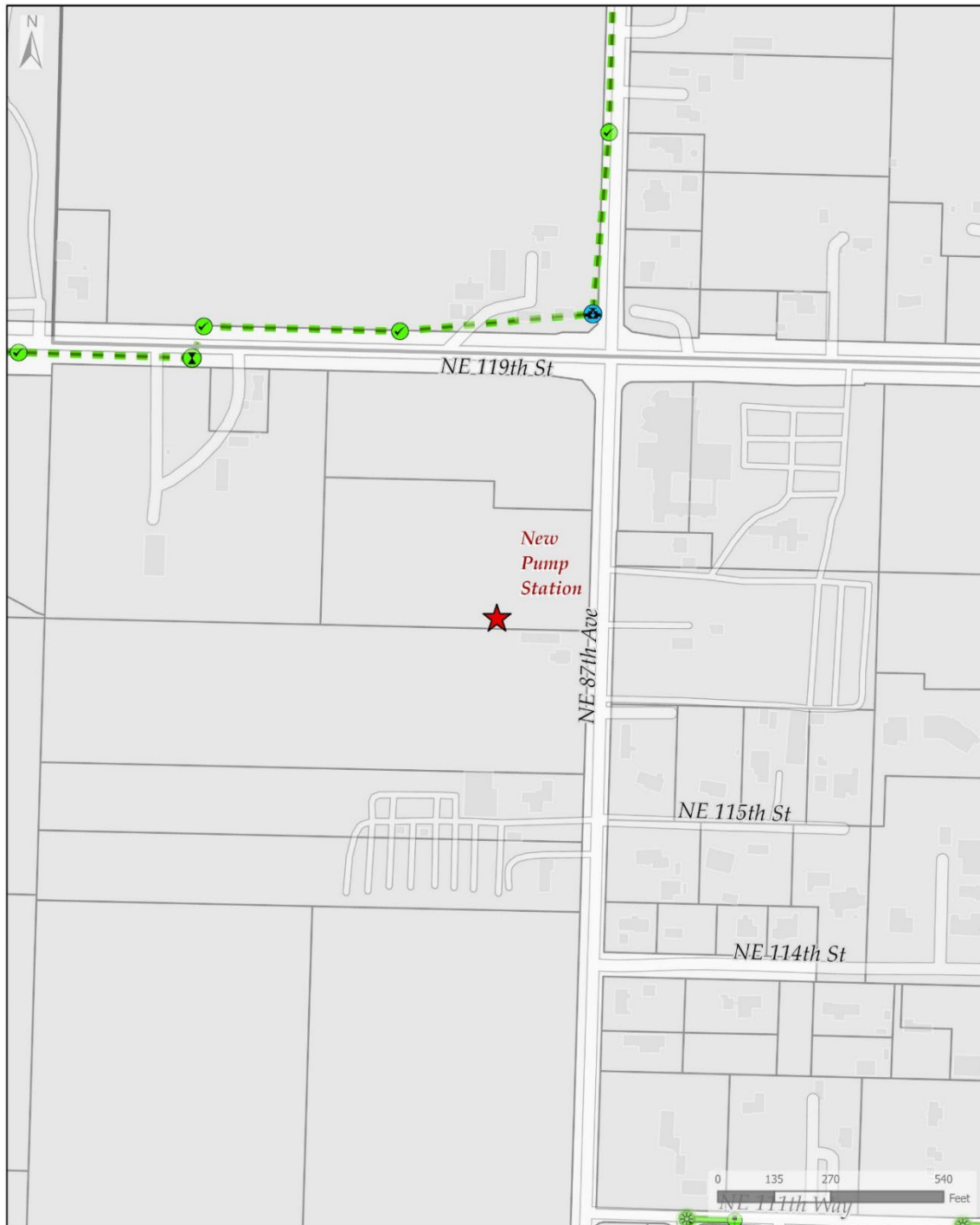
Year

Predesign	By Others
Permitting	By Others
Real Property/ROW	By Others
Design	2024-2026
Bid	By Others
Construction	2026-2027



Clark Regional Wastewater District

Ten-Year Capital Program Capital Project Profile



Curtin Creek West PS C



Clark Regional Wastewater District

Ten-Year Capital Program Capital Project Profile

DCWTS Phase 2B (CIP 2-1603B)

Location: Central

Number: 27-2021-0074

GL Number: 409-000-189-00-01-54

Phase: Design

Project Manager: Dale Lough

GSP Basin: Legacy – 2-1603

Capital Improvement Project ☒

General Facilities ☒

Local Agency Partnership ☐

Septic Elimination Program ☐

Developer Reimbursement Program ☐

Restoration & Replacement Project ☐

Restoration & Replacement - Gravity ☐

Restoration & Replacement – PS & FM ☐

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. Components of the Discovery Corridor Wastewater Transmission System (DCWTS) require capacity upgrades to accommodate growth in the service area. This project addresses upgrades to the Legacy pump station and force main system to increase the firm capacity from 5.9 MGD to 8.2 MGD by installing a 20-inch force main.

Objective. Upgrade the capacity of the Legacy pump station and force main system.

Scope of Work. Install a 20-inch force main, pigging and flow meter vault. Firm capacity increased to 8.2 MGD

Project Statistics. 3,000 feet of 20-inch force main, pigging/flow meter vault.

Photos: (on the reverse side)

Budget Information:

Project Cost Estimate:

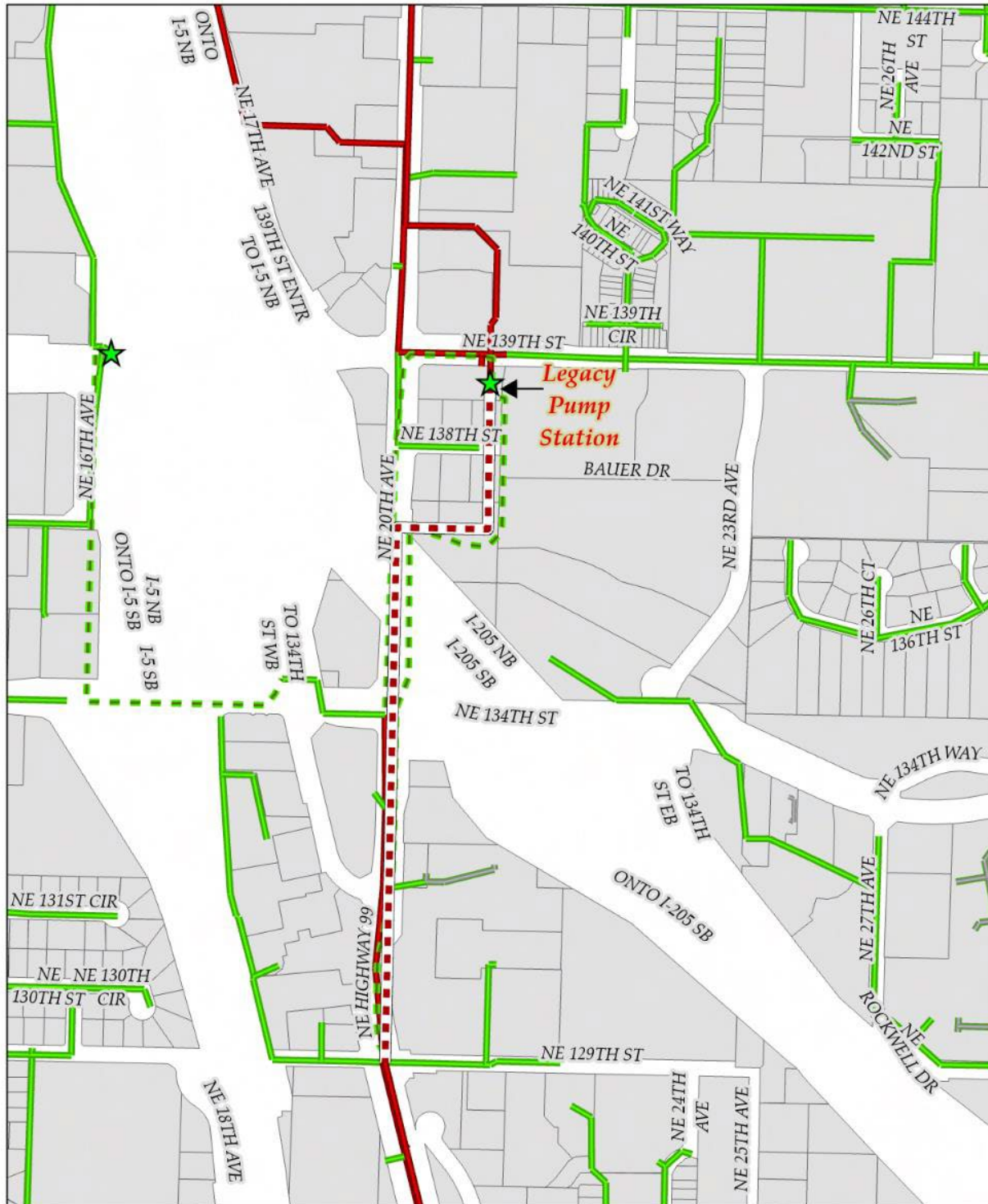
Total Project Cost:	\$7,120,000
Construction Cost:	\$5,500,000
Basis of Estimate:	Design
Date of Estimate:	Sept. 2025

Schedule Information:

Activity

Year

Predesign	2021-2024
Permitting	2022-2025
Real Property/ROW	2022-2025
Design	2024-2025
Bid	2025
Construction	2026-2027



DCWTS Phase 2B (CIP 2-160B)



Developer Reimbursement Project Allowance

Location: Central and Ridgefield

Number: TBD

GL Number: 409-900-189-00-00-46 (Central)

GL Number: 409-910-189-00-00-23 (Ridgefield)

Phase: Program

Project Manager: Les MacDonald

GSP Basin: Various

Capital Improvement Project ☒

General Facilities ☐

Local Agency Partnership ☐

Septic Elimination Program ☐

Developer Reimbursement Program ☒

Restoration & Replacement Project ☐

Restoration & Replacement – Gravity ☐

Restoration & Replacement – PS & FM ☐

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. Allowance to provide reimbursement to developers for constructing pump stations, force mains, and trunk sewers in accordance with the 2017 General Sewer Plan.

Objective. Coordinate development improvements with the General Sewer Plan.

Scope of Work. N/A

Project Statistics. N/A

Photos: N/A

Budget Information:

Project Cost Estimate:

Total Project Cost:	Allowance
Construction Cost:	TBD
Basis of Estimate:	Program
Date of Estimate:	Sept. 2025

Schedule Information:

Activity

Year

Predesign	Annually
Permitting	Annually
Real Property/ROW	Annually
Design	Annually
Bid	Annually
Construction	Annually



District Installed Laterals Allowance

Location: Central and Ridgefield

Number: TBD

GL Number: 409-000-189-00-00-71 (Central)

GL Number: 409-100-189-00-01-22 (Ridgefield)

Phase: Program

Project Manager: Les MacDonald

GSP Basin: Various

Capital Improvement Project ☒

General Facilities ☐

Local Agency Partnership ☐

Septic Elimination Program ☐

Developer Reimbursement Program ☒

Restoration & Replacement Project ☐

Restoration & Replacement – Gravity ☐

Restoration & Replacement – PS & FM ☐

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. Allowance to provide reimbursement to developers for constructing side sewers (District Laterals) in conjunction with private development projects.

Objective. Coordinate lateral improvements associated with development.

Scope of Work. N/A

Project Statistics. N/A

Photos: N/A

Budget Information:

Project Cost Estimate:

Total Project Cost: Allowance

Construction Cost: TBD

Basis of Estimate: Program

Date of Estimate: Sept. 2025

Schedule Information:

Activity

Year

Predesign Annually

Permitting Annually

Real Property/ROW Annually

Design Annually

Bid Annually

Construction Annually



General Sewer Plan Update

Location: Central and Ridgefield

Number: 27-2023-0077

GL Number: 409-000-189-00-01-63

Phase: Planning

Project Manager: Les MacDonald

GSP Basin: All

Capital Improvement Project ☒

General Facilities ☒

Local Agency Partnership ☐

Septic Elimination Program ☐

Developer Reimbursement Program ☐

Restoration & Replacement Project ☐

Restoration & Replacement – Gravity ☐

Restoration & Replacement – PS & FM ☐

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. The District is preparing a General Sewer Plan (GSP) to support Clark County's Growth Management Plan. The last GSP was adopted in 2017. It is anticipated that the County will update its Growth Management Plan by June 2026. The District's service area has seen, and continues to experience, significant growth and economic potential in Clark County. As a result, the District is updating the 2017 GSP.

The hydraulic model for the District's 2017 General Sewer Plan was calibrated on a 25-year storm event in 2015. Flow data collected in 2022-2024 is being used to update the hydraulic model.

Objective. Recalibrate the District's hydraulic model and update or amend the 2017 GSP and 20-year Capital Improvement Plan.

Scope of Work. Recalibrate the District's hydraulic model to reflect the current collection system performance and update or amend the 2017 GSP.

Project Statistics. N/A

Photos: N/A

Budget Information:

Project Cost Estimate:

Total Project Cost:	\$770,000
Construction Cost:	N/A
Basis of Estimate:	Planning
Date of Estimate:	Sep. 2025

Schedule Information:

Activity	Year
Predesign	2022-2026
Permitting	N/A
Real Property/ROW	N/A
Design	N/A
Bid	N/A
Construction	N/A



Gravity Repair Program

Location: Central and Ridgefield

Number: Various

GL Number: 407-000-189-00-01-43 (Central)

GL Number: 407-100-189-00-01-07 (Ridgefield)

Phase: Program

Project Manager: Various

GSP Basin: Various

Capital Improvement Project ☐

General Facilities ☐

Local Agency Partnership ☐

Septic Elimination Program ☐

Developer Reimbursement Program ☐

Restoration & Replacement Project ☒

Restoration & Replacement – Gravity ☒

Restoration & Replacement – PS & FM ☐

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. Annual investment in proactively addressing sewer repairs before they become costly unplanned emergencies. The program addresses structural and re-occurring maintenance issues. Projects are identified by Operations and Engineering review of maintenance records and the District's Risk Assessment Tool. Annual projects aim to address the highest risk pipe and/or pipes with a return on investment of 5 years or less.

Objective. Maintain reliable service by repairing gravity sewers that carry high risk or have costly operational needs.

Scope of Work. Projects include repair for mainlines and laterals.

Project Statistics. N/A

Photos: N/A

Budget Information:

Project Cost Estimate:

Total Project Cost:	Program
Construction Cost:	TBD
Basis of Estimate:	Program
Date of Estimate:	Sept. 2025

Schedule Information:

<u>Activity</u>	<u>Year</u>
Predesign	Varies
Permitting	Varies
Real Property/ROW	Varies
Design	Varies
Bid	Varies
Construction	Varies



Green Meadows Pump Station Replacement

Location: Central

Number: TBD

GL Number: TBD

Project Risk Score: 95

Phase: Planning

Project Manager: TBD

GSP Basin: Green Meadows West – 2-1718

Capital Improvement Project ☐

General Facilities ☐

Local Agency Partnership ☐

Septic Elimination Program ☐

Developer Reimbursement Program ☐

Restoration & Replacement Project ☒

Restoration & Replacement – Gravity ☐

Restoration & Replacement – PS & FM ☒

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. The Green Meadows pump station was constructed as a steel-can drywell-type pump station in 1998 where the pumps and valves are located in a pre-fabricated steel cylinder with a reduced diameter “coning tower” to the surface.

The pump station has a firm capacity of 550 gpm and serves roughly 120 residential customers and the Walnut Grove commercial area. The aging station has a high demand for maintenance hours, and replacement parts are difficult to obtain. Maintenance requires confined space entry and the exposure to sewer gases often requires ancillary equipment to simply enter the station for regular maintenance and troubleshooting. The station has less than one hour of holding time with no on-site generator, making it a high priority station for District crews.

A risk assessment scored the project 95 out of 100 due to it’s poor condition, poor reliability, safety concerns, and high consequence of failure given its proximity to a wetland that sits adjacent to the site.

Objective. Replace the existing pump station to meet current District standards to increase safety and reliability while decreasing maintenance risks/costs.

Scope of Work. TBD.

Project Statistics. TBD.

Photos: (Map of area on the reverse side)

Budget Information:

Project Cost Estimate:

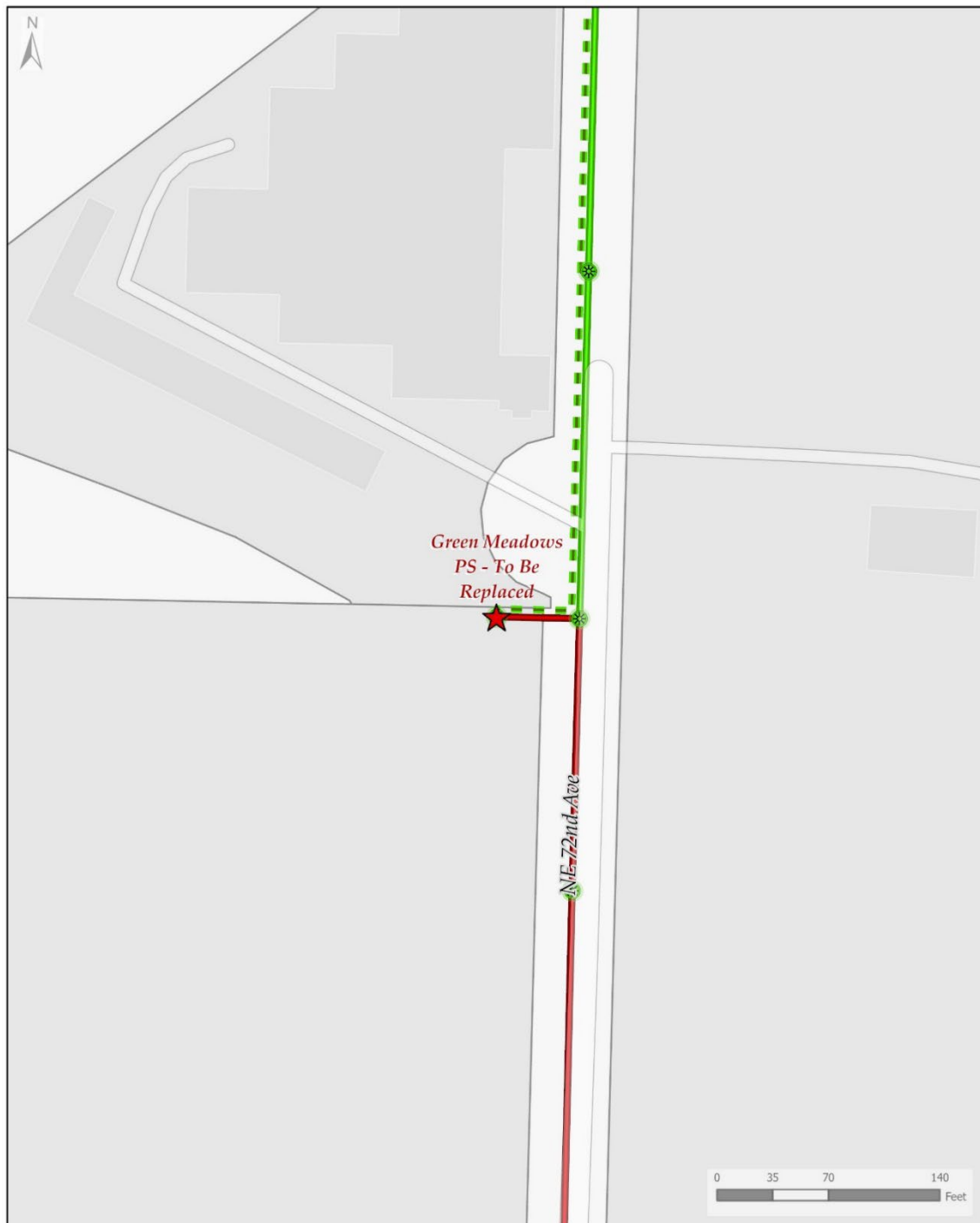
Total Project Cost:	\$1,820,000
Construction Cost:	\$1,450,000
Basis of Estimate:	Planning
Date of Estimate:	Sept. 2025

Schedule Information:

Activity

Year

Predesign	2027
Permitting	2027-2029
Real Property/ROW	N/A
Design	2027-2029
Bid	2029
Construction	2029-2030



Green Meadows PS Replacement



Lakeshore Pump Station Replacement

Location: Central

Number: TBD

GL Number: TBD

Project Risk Score: 60

Phase: Planning

Project Manager: TBD

GSP Basin: Cougar Canyon West – 2-502

Capital Improvement Project ☐

General Facilities ☐

Local Agency Partnership ☐

Septic Elimination Program ☐

Developer Reimbursement Program ☐

Restoration & Replacement Project ☒

Restoration & Replacement – Gravity ☐

Restoration & Replacement – PS & FM ☒

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. This vacuum-primed package pump station was installed in 1972, making it the oldest pump station in the District collection system. The pump station serves roughly 82 residential customers. The aging station has a high demand for maintenance hours, and replacement parts are difficult to obtain. Routine maintenance often requires confined space entry. The station has less than two hours of holding time and no on-site generator.

A risk assessment scored the project 60 out of 100 due to its poor condition, poor reliability, and safety concerns.

Objective. Replace the existing pump station to meet current District standards to increase safety and reliability while decreasing maintenance risks/costs.

Scope of Work. TBD.

Project Statistics. TBD.

Photos: (Map of area on the reverse side)

Budget Information:

Project Cost Estimate:

Total Project Cost:	\$1,880,000
Construction Cost:	\$1,500,000
Basis of Estimate:	Planning
Date of Estimate:	Sept. 2025

Schedule Information:

<u>Activity</u>	<u>Year</u>
Predesign	2035
Permitting	2035-2037
Real Property/ROW	2035-2037
Design	2035-2037
Bid	2037
Construction	2037-2038



Lake Shore PS Replacement



Legacy Pump Station Phase 3 Upgrade (CIP 2-1603B)

Location: Central

Number: TBD

GL Number: TBD

Phase: Planning

Project Manager: TBD

GSP Basin: Legacy - 2-1603

Capital Improvement Project ☒

General Facilities ☒

Local Agency Partnership ☐

Septic Elimination Program ☐

Developer Reimbursement Program ☐

Restoration & Replacement Project ☐

Restoration & Replacement - Gravity ☐

Restoration & Replacement – PS & FM ☐

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. The additional flow resulting from the redirection of the Ridgefield flows via the Neil Kimsey Regional Pump Station and continued development in the service area downstream of Ridgefield requires additional capacity at the Legacy Pump Station.

Objective. Upgrade the capacity of the Legacy Pump Station to accommodate removal of the Ridgefield treatment plant and the continued growth in the service area.

Scope of Work. Upgrade the existing pump station to 8,400 gpm by:

- 1) Replace 3 existing pumps with new Flygt 3315 140-hp pumps.
- 2) Upsize the pump station piping as needed.
- 3) Install new backup generator and modify enclosure
- 4) Install new variable frequency drives and modify shelter
- 5) Relocate and install new transformer

Project Statistics. Pump station capacity increase from 5,500 gpm to 8,400 gpm.

Photos: (on the reverse side)

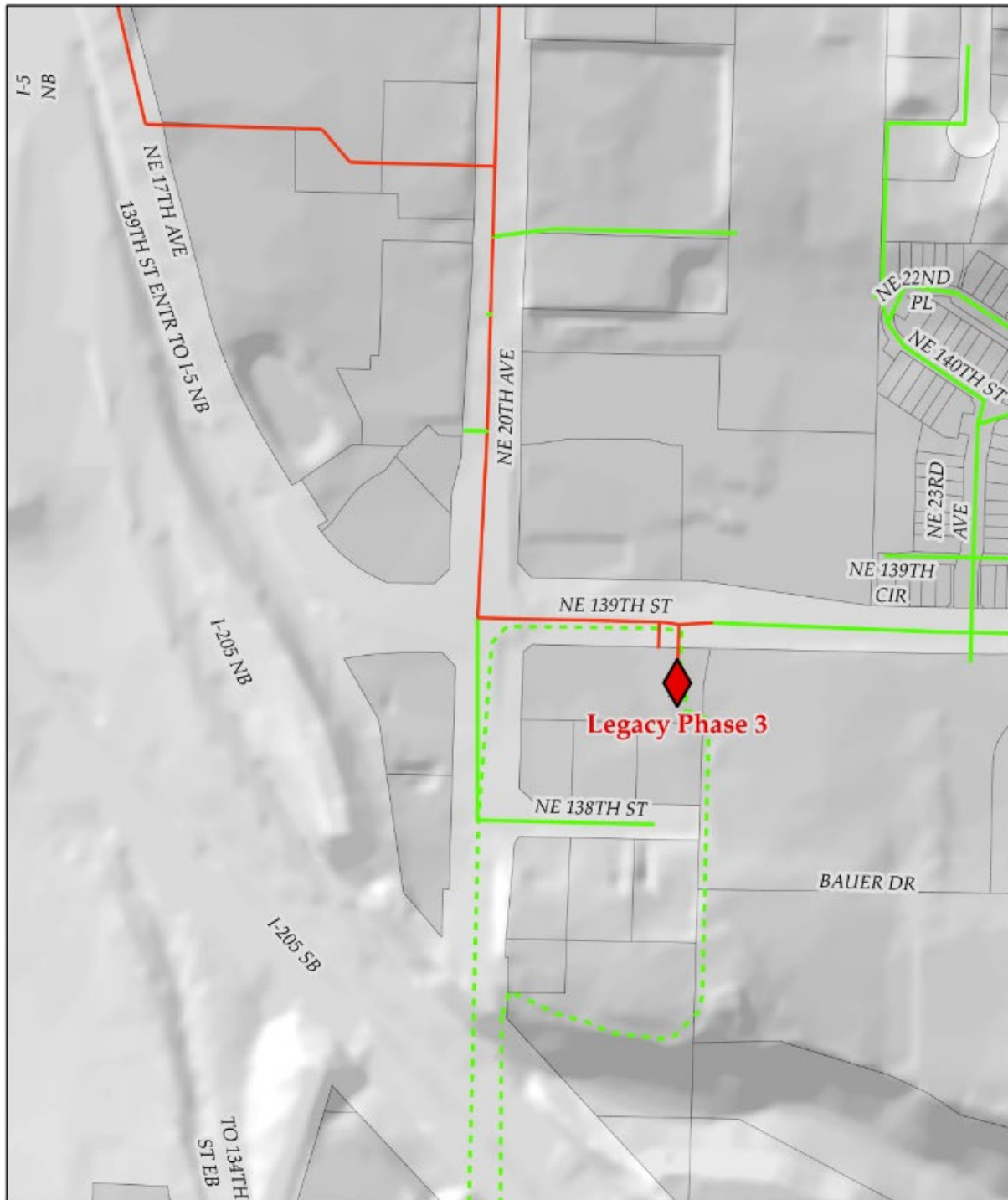
Budget Information:

Project Cost Estimate:

Total Project Cost:	\$4,400,000
Construction Cost:	\$3,500,000
Basis of Estimate:	Planning
Date of Estimate:	Sept. 2025

Schedule Information:

Activity	Year
Predesign	2029
Permitting	2029-2031
Real Property/ROW	2029-2031
Design	2029-2031
Bid	2031
Construction	2031-2032



Legacy Phase 3





Clark Regional Wastewater District

Ten-Year Capital Program Capital Project Profile

Local Agency Partnership Allowance

Location: Central and Ridgefield

Number: TBD

GL Number: TBD

Phase: Program

Project Manager: Vanessa Johnson

GSP Basin: Various

Capital Improvement Project ☒

General Facilities ☐

Local Agency Partnership ☒

Septic Elimination Program ☐

Developer Reimbursement Program ☐

Restoration & Replacement Project ☐

Restoration & Replacement – Gravity ☐

Restoration & Replacement – PS & FM ☐

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. Allowance to participate in local Agency-led projects to construct pump stations, force mains, and gravity sewers in accordance with the 2017 General Sewer Plan. Improvements will extend sewer service and/or increase capacity to existing infrastructure.

Objective. Participate in local agency projects where needed to extend sewer service and reduce impacts to the public.

Scope of Work. N/A

Project Statistics. N/A

Photos: N/A

Budget Information:

Project Cost Estimate:

Total Project Cost: Allowance

Construction Cost: TBD

Basis of Estimate: Program

Date of Estimate: Sept. 2025

Schedule Information:

Activity

Year

Predesign Annually

Permitting Annually

Real Property/ROW Annually

Design Annually

Bid Annually

Construction Annually

Updated: Sept. 2025



Clark Regional Wastewater District

Ten-Year Capital Program Capital Project Profile



Mill Creek Pump Station Replacement (CIP 2-1503A)

Location: Central

Number: 26-2020-0041

GL Number: 407-000-189-00-01-70

Project Risk Score: 75

Phase: Planning

Project Manager: Jerry Barnett

GSP Basin: Mill Creek East – 2-1503

Capital Improvement Project ☐

General Facilities ☐

Local Agency Partnership ☐

Septic Elimination Program ☐

Developer Reimbursement Program ☐

Restoration & Replacement Project ☒

Restoration & Replacement – Gravity ☐

Restoration & Replacement – PS & FM ☒

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background: After the Mill Creek Pump Station was constructed in 1996, a major storm event caused the neighboring creek to rise and flood the wetwell. After the flooding occurred, a flood wall was built on top of the existing concrete pad around the pump station. In a subsequent flooding event, the wetwell was flooded by creek water that entered between the concrete floor slab and the wall.

A risk assessment scored the project 75 out of 100 due to its poor condition, poor reliability, challenging site access, and high consequence of failure given its proximity to Mill Creek.

A new development project in the pump station basin was approved for construction. This project is expected to increase development activity in the basin that would trigger the need to upsize the existing pump station.

Based on the pump station risk, history of flooding, and development interest, the pump station is recommended for replacement and a capacity increase. Installation of the larger pumps may be delayed depending on development project progress.

Objective. Replace pump station to increase reliability and monitoring capabilities. Upsize elements of the pump station to accommodate larger pumps.

Scope of Work. TBD.

Project Statistics. TBD.

Photos: (Map of area on the reverse side)

Budget Information:

Project Cost Estimate:

Total Project Cost:	\$1,865,000
Construction Cost:	\$1,450,000
Basis of Estimate:	Planning
Date of Estimate:	Sept. 2025

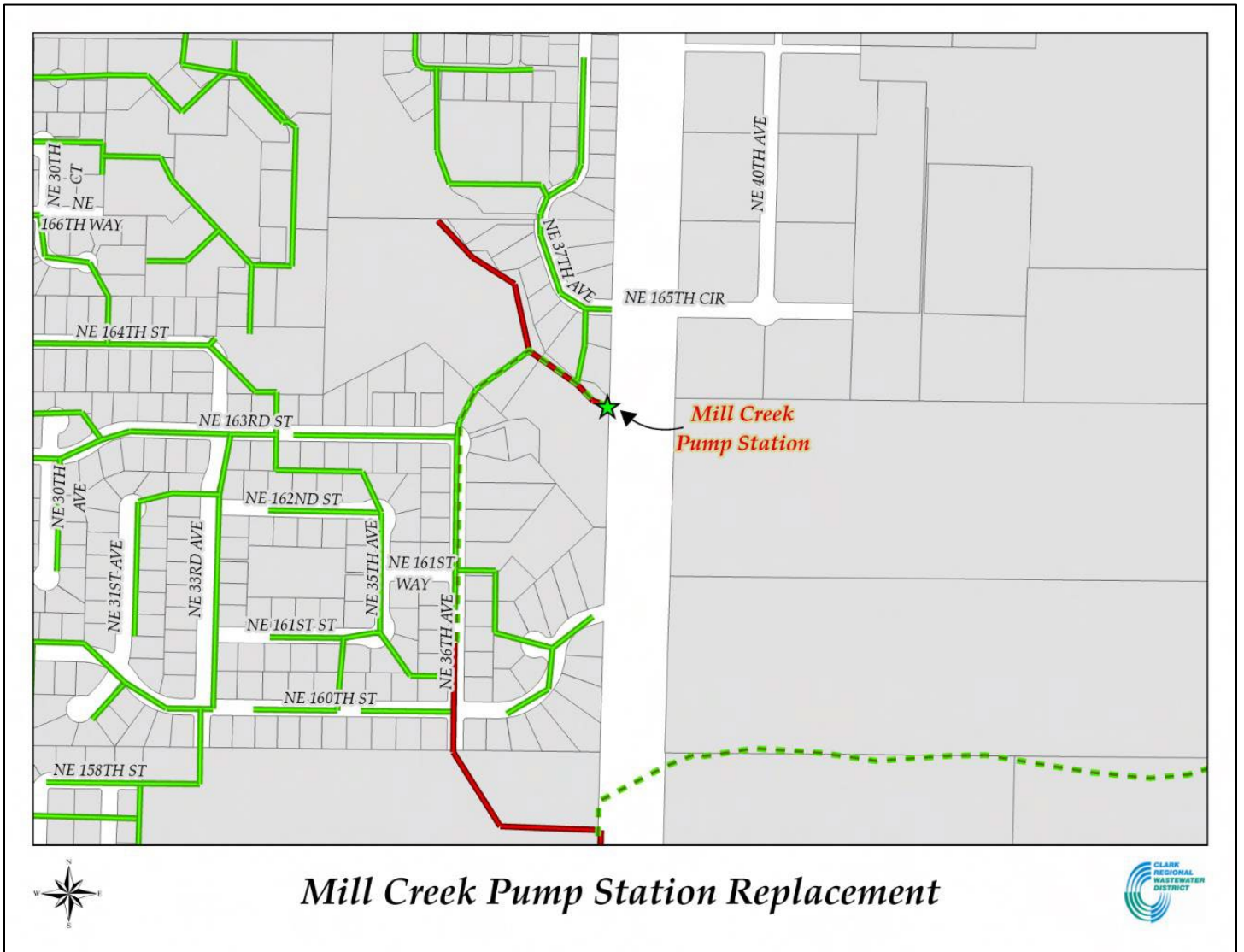
Schedule Information:

<u>Activity</u>	<u>Year</u>
Predesign	2020-2025
Permitting	2023-2026
Real Property/ROW	NA
Design	2023-2027
Bid	2027
Construction	2027-2028



Clark Regional Wastewater District

Ten-Year Capital Program Capital Project Profile





Minnehaha Pump Station Replacement

Location: Central

Number: TBD

GL Number: TBD

Project Risk Score: 56

Phase: Predesign

Project Manager: TBD

GSP Basin: Hwy 99 South – 1-102

Capital Improvement Project ☐

General Facilities ☐

Local Agency Partnership ☐

Septic Elimination Program ☐

Developer Reimbursement Program ☐

Restoration & Replacement Project ☒

Restoration & Replacement – Gravity ☐

Restoration & Replacement – PS & FM ☒

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. The Minnehaha pump station was constructed as a steel-can drywell-type pump station in 1991 where the pumps and valves are located in a pre-fabricated steel cylinder with a reduced diameter “coning tower” to the surface. The aging station has a high demand for maintenance hours, and replacement parts are difficult to obtain. Entry into the pump station is classified as “confined space” entry.

The station has a firm capacity of 225 gpm and serves roughly 350 residential and commercial equivalent residential units. A risk assessment scored the project 56 out of 100 due to its poor condition, poor reliability, safety concerns, and high consequence of failure given its proximity to an arterial and a creek.

Objective. Replace the existing pump station to meet current District standards to increase safety and reliability while decreasing maintenance risks/costs.

Scope of Work. TBD.

Project Statistics. TBD.

Photos: (Map of area on the reverse side)

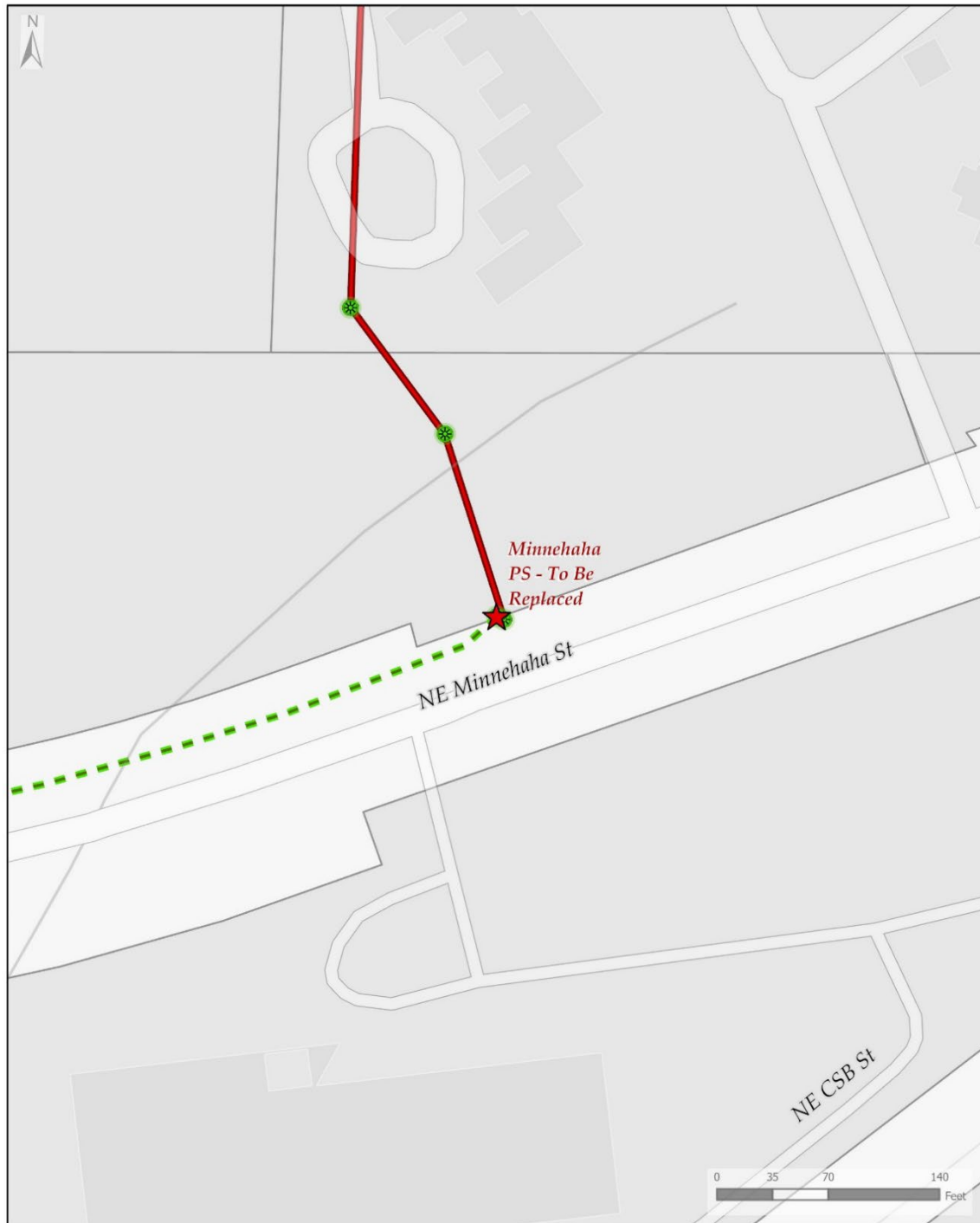
Budget Information:

Project Cost Estimate:

Total Project Cost:	\$1,820,000
Construction Cost:	\$1,450,000
Basis of Estimate:	Planning
Date of Estimate:	Sept. 2025

Schedule Information:

<u>Activity</u>	<u>Year</u>
Predesign	2029
Permitting	2029-2031
Real Property/ROW	2029-2031
Design	2029-2031
Bid	2031
Construction	2031-2032



Minnehaha PS Replacement



Mountain View Pump Station Upgrade

Location: Central

Number: TBD

GL Number: TBD

Phase: Planning

Project Manager: TBD

GSP Basin: Cedar – 2-1706

Capital Improvement Project ☒

General Facilities ☒

Local Agency Partnership ☐

Septic Elimination Program ☐

Developer Reimbursement Program ☐

Restoration & Replacement Project ☐

Restoration & Replacement – Gravity ☐

Restoration & Replacement – PS & FM ☐

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. The Mountain View Pump Station was installed in 1993 to serve a portion of the Cedar basin. The service area is partially developed and additional growth is anticipated. This project has been identified to accommodate the growth. The buildout capacity of the station is to be confirmed.

Objective. Increase capacity at the Mountain View Pump Station.

Scope of Work. TBD.

Project Statistics. TBD.

Photos: (Map of area on the reverse side)

Budget Information:

Project Cost Estimate:

Total Project Cost:	\$375,000
Construction Cost:	\$350,000
Basis of Estimate:	Planning
Date of Estimate:	Sept. 2025

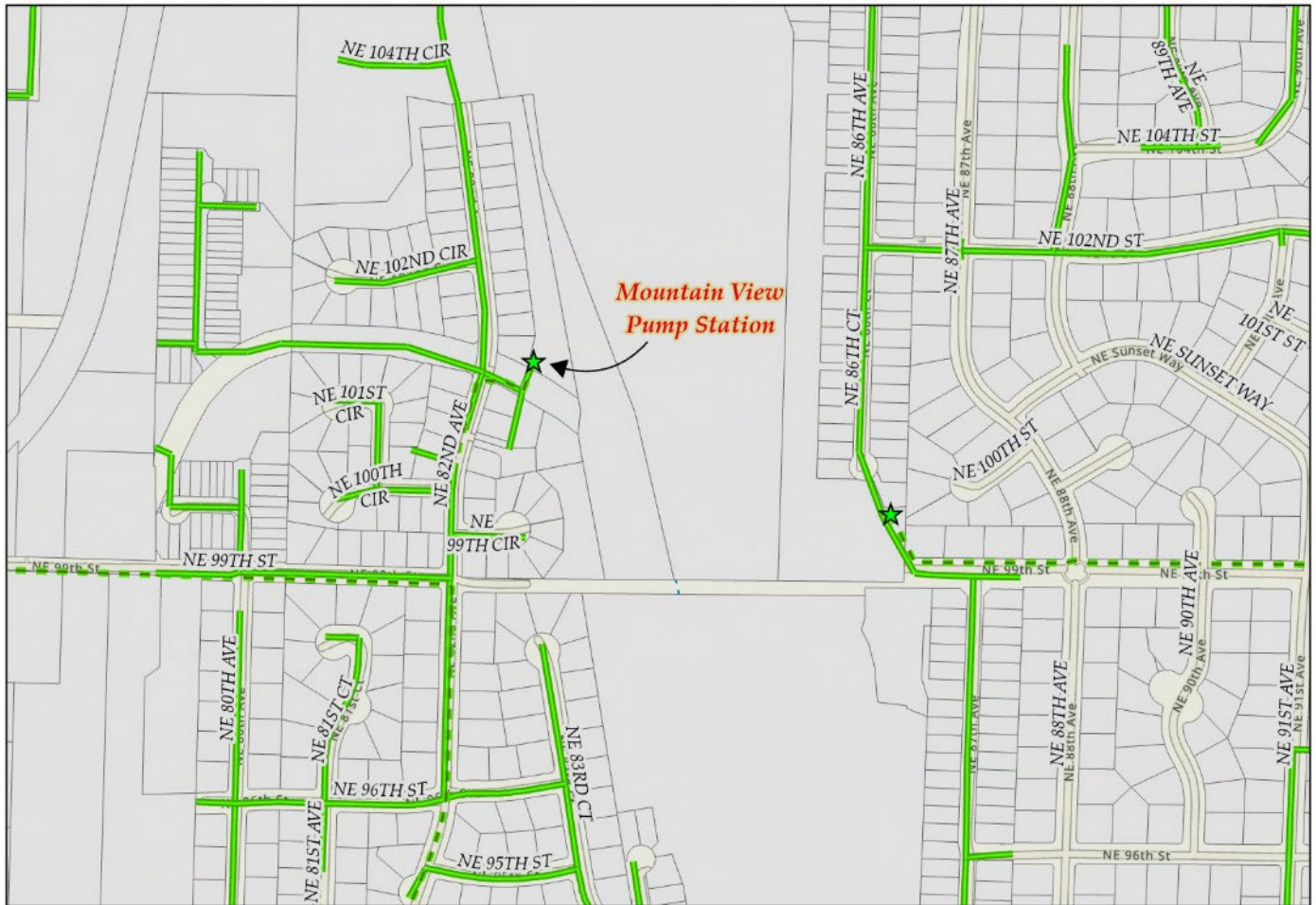
Schedule Information:

<u>Activity</u>	<u>Year</u>
Predesign	2033
Permitting	2033
Real Property/ROW	2033
Design	2033
Bid	2033
Construction	2033



Clark Regional Wastewater District

Ten-Year Capital Program Capital Project Profile



Mountain View
Pump Station



Mountain View Pump Station Upgrade





NE 179th Street and NE 29th Avenue Intersection Improvement

Location: Central

Number: 25-2022-0006

GL Number: 409-000-189-00-01-58

Phase: Construction

Project Manager: Jerry Barnett

GSP Basin: Whipple Creek East - 2-1605

Capital Improvement Project ☒

General Facilities ☐

Local Agency Partnership ☒

Septic Elimination Program ☐

Developer Reimbursement Program ☐

Restoration & Replacement Project ☐

Restoration & Replacement – Gravity ☐

Restoration & Replacement – PS & FM ☐

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. The District's 2017 General Sewer Plan identifies a gravity sewer and pressure sewer to be installed in NE 179th Street. The NE 179th Street corridor is seeing an increase in development activity and Clark County has various roadway improvements planned along the corridor. The District will participate in the County Road Project to install sewer to serve future development. The project scope has been coordinated with various local development projects.

Objective. Extend sewer service in support of development along the NE 179th Street corridor.

Scope of Work. Install gravity sewer west and south through the intersection. Replace a section of 6" force main that will cross a new bridge being installed by the County Road Project. Install an empty force main casing across the new bridge for a future force main that will serve the Whipple Creek East Pump Station F.

Project Statistics. Gravity Sewer – 770 feet of 10-inch gravity sewer and 650 feet of 8-inch gravity sewer.

Force main – 690 feet of 6-inch force main.

Photos: (Map of area on the reverse side)

Budget Information:

Project Cost Estimate:

Total Project Cost:	\$972,000
Construction Cost:	\$900,000
Basis of Estimate:	Bid
Date of Estimate:	Sept. 2025

Schedule Information:

<u>Activity</u>	<u>Year</u>
Predesign	2021-2022
Permitting	2022-2024
Real Property/ROW	2022-2024
Design	2023-2025
Bid	2025
Construction	2025-2027



NE 179th and NE 29th Ave Improvement





Clark Regional Wastewater District

Ten-Year Capital Program Capital Project Profile

NE 179th Street CRP (NE 15th Ave – NE 26th Ave)

Location: Central

Number: 25-2023-0042

GL Number: 409-000-189-00-01-62

Phase: Design

Project Manager: Jerry Barnett

GSP Basin: Whipple Creek East - 2-1605

Capital Improvement Project ☒

General Facilities ☐

Local Agency Partnership ☒

Septic Elimination Program ☐

Developer Reimbursement Program ☐

Restoration & Replacement Project ☐

Restoration & Replacement – Gravity ☐

Restoration & Replacement – PS & FM ☐

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. The District's 2017 General Sewer Plan identifies gravity sewer and pressure sewer to be installed in NE 179th Street. The NE 179th Street corridor is seeing an increase in development activity and Clark County has various roadway improvements planned along the corridor. The District will participate in the County Road Project to install sewer to serve future development.

Objective. Extend sewer service in support of development along the NE 179th Street corridor.

Scope of Work. Construct gravity sewers in NE 179th Street and an empty force main casing across a new bridge being installed by the County Road Project for future use.

Project Statistics.

Gravity trunk – 150 feet of 12-inch gravity sewer; 780 feet of 10-inch gravity sewer.

Photos: (Map of area on the reverse side)

Budget Information:

Project Cost Estimate:

Total Project Cost:	\$1,050,000
Construction Cost:	\$1,000,000
Basis of Estimate:	Design
Date of Estimate:	Sept. 2025

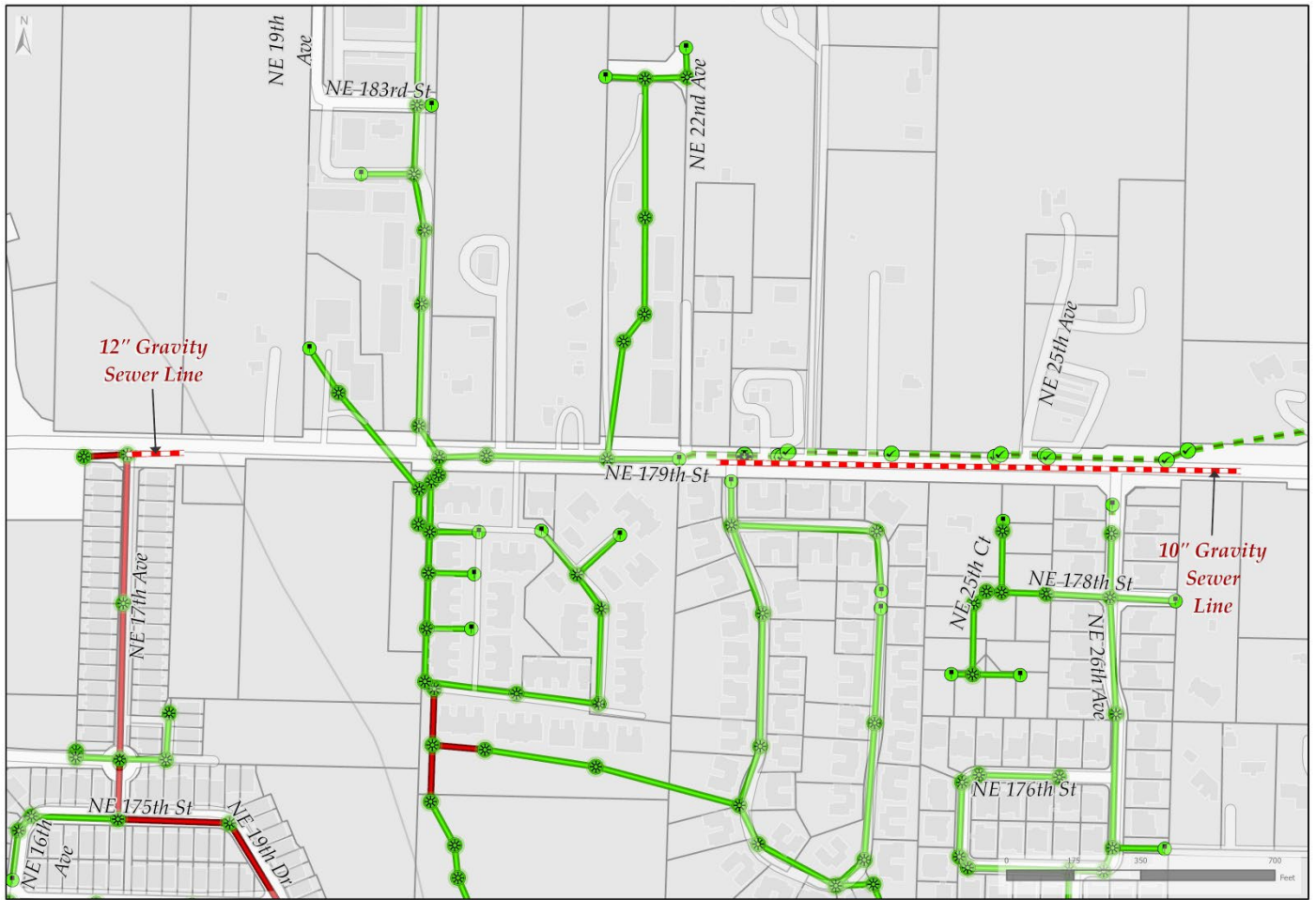
Schedule Information:

<u>Activity</u>	<u>Year</u>
Predesign	2023
Permitting	2023-2028
Real Property/ROW	2023-2028
Design	2023-2028
Bid	2028
Construction	2028-2029



Clark Regional Wastewater District

Ten-Year Capital Program Capital Project Profile



NE 179th Street CRP (NE 15th Ave - NE 26th Ave)



Clark Regional Wastewater District

Ten-Year Capital Program Capital Project Profile

NE 179th Street CRP (NE Delfel Road - NE 15th Ave) (CIP 2-1605A)

Location: Central

Number: 25-2019-0006

GL Number: 409-000-189-00-01-61

Phase: Design

Project Manager: Jerry Barnett

GSP Basin: Whipple Creek East - 2-1605

Capital Improvement Project ☒

General Facilities ☐

Local Agency Partnership ☒

Septic Elimination Program ☐

Developer Reimbursement Program ☐

Restoration & Replacement Project ☐

Restoration & Replacement – Gravity ☐

Restoration & Replacement – PS & FM ☐

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. The District's 2017 General Sewer Plan identifies gravity sewer to be installed in NE 179th Street to facilitate decommissioning of the Fairgrounds Pump Station. Clark County and the Washington State Department of Transportation are cooperating on improvements to the Interstate 5 interchange at NE 179th Street. The District will participate in the County Road Project to install sewer. The project is proposed to connect to the Three Creeks North development project's trunk improvements at the east end of the project limits.

Objective. Extend sewer service in support of development along the NE 179th Street corridor and decommission the Fairgrounds Pump Station.

Scope of Work. Construct a gravity trunk in NE 179th Street from the existing Fairgrounds Pump Station to NE 10th Avenue. Decommission the Fairgrounds Pump Station and force main within the project limits.

Project Statistics. Gravity trunk – 950 feet of 8-inch gravity trunk, 440 feet of 10-inch gravity trunk, and 1,000 feet of 18-inch gravity trunk.

Pump station – Decommission existing Fairgrounds Pump Station

Force main – Decommission the existing Fairgrounds force main within the project limits.

Photos: (Map of area on the reverse side)

Budget Information:

Project Cost Estimate:

Total Project Cost:	\$2,480,000
Construction Cost:	\$2,400,000
Basis of Estimate:	Design
Date of Estimate:	Sept. 2025

Schedule Information:

<u>Activity</u>	<u>Year</u>
Predesign	2021-2022
Permitting	2022-2028
Real Property/ROW	2022-2028
Design	2022-2028
Bid	2028
Construction	2028-2029

Updated: Sept. 2025



NE 179th Street CRP (NE Delfel Road - NE 15th Ave)



Clark Regional Wastewater District

Ten-Year Capital Program Capital Project Profile

NE 209th Street Pump Station and Force Main (2-1606D)

Location: Central

Number: TBD

GL Number: TBD

Phase: Planning

Project Manager: Les MacDonald

GSP Basin: I-5 Corridor - 2-1606

Capital Improvement Project ☒

General Facilities ☐

Local Agency Partnership ☐

Septic Elimination Program ☐

Developer Reimbursement Program ☒

Restoration & Replacement Project ☐

Restoration & Replacement - Gravity ☐

Restoration & Replacement – PS & FM ☐

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. Identified in 2017 General Sewer Plan

Objective. Provide new pump station and force main to serve the I-5 Corridor mini-basin.

Scope of Work. This project includes developer reimbursement for a pump station and force main along NE 209th Street. Forecasted 2036 capacity is 750 gpm and 50-year capacity is approximately 1,600 gpm.

Project Statistics. Force main – 400 feet of 8-inch force main

Pump station – TBD hp submersible pumps, TBD foot wet well, three phase electrical service, diesel generator, control kiosk, and odor control chemical tank.

Photos: (on the reverse side)

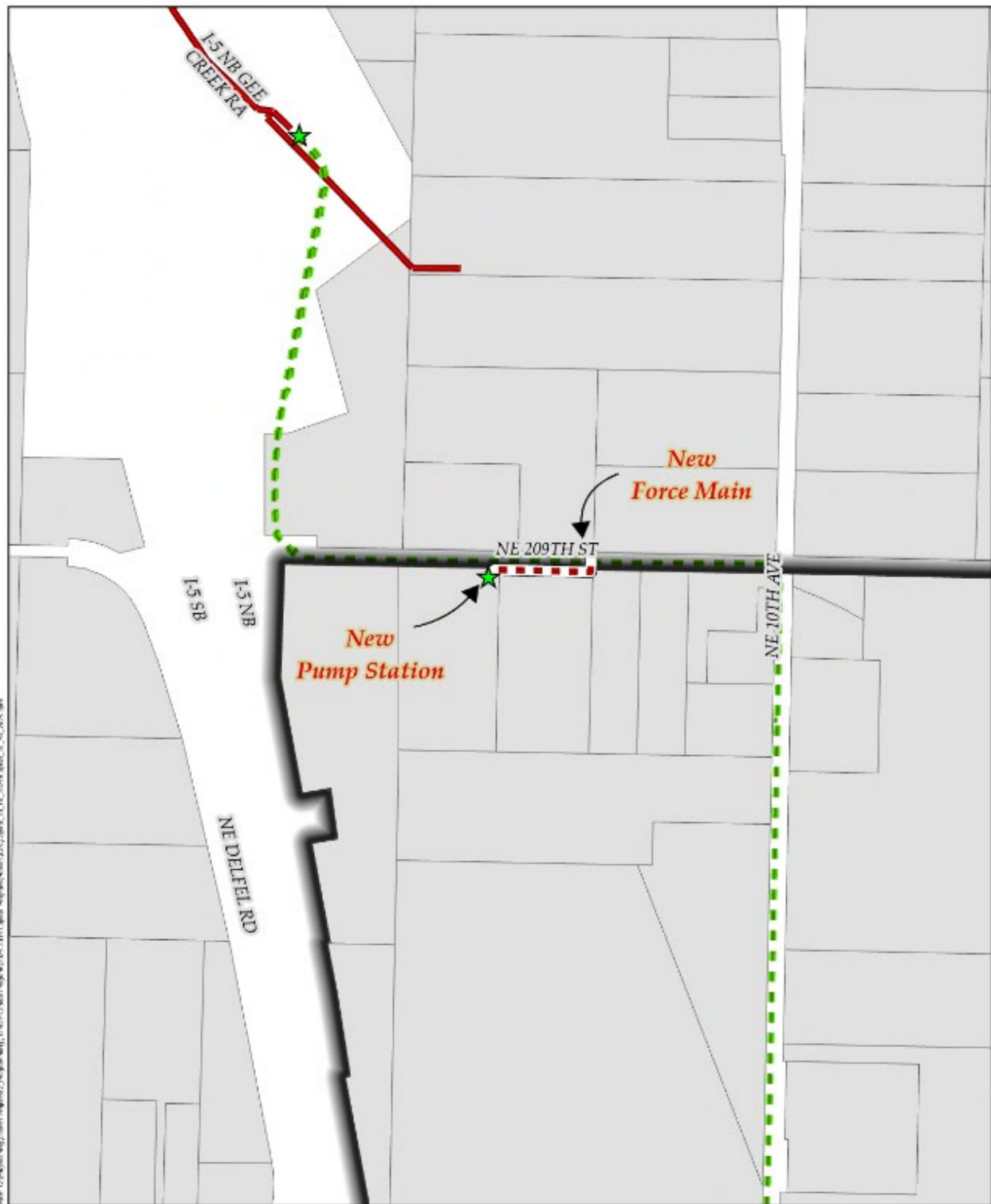
Budget Information:

Project Cost Estimate:

Total Project Cost:	\$2,250,000
Construction Cost:	\$1,950,000
Basis of Estimate:	Planning
Date of Estimate:	Sept. 2025

Schedule Information:

<u>Activity</u>	<u>Year</u>
Predesign	By Others
Permitting	By Others
Real Property/ROW	By Others
Design	2028-2029
Bid	By Others
Construction	2029-2030



NE 209th Street Pump Station and Force Main





Clark Regional Wastewater District

Ten-Year Capital Program Capital Project Profile

NE 209th Street Trunk (CIP 2-1606C)

Location: Central

Number: TBD

GL Number: TBD

Phase: Planning

Project Manager: Les MacDonald

GSP Basin: I-5 Corridor - 2-1606

Capital Improvement Project ☒

General Facilities ☐

Local Agency Partnership ☐

Septic Elimination Program ☐

Developer Reimbursement Program ☒

Restoration & Replacement Project ☐

Restoration & Replacement - Gravity ☐

Restoration & Replacement – PS & FM ☐

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. Identified in the 2017 General Sewer Plan.

Objective. The future pump station at 209th Street conveys from the I-5 Corridor mini-basin and pumps it back to the Neil Kimsey Pump Station. The major trunk that collects this flow and conveys it to the station is the 209th Street Trunk.

Scope of Work. This project includes developer reimbursement for installing a 12-inch trunk. The 12-inch size will accommodate the anticipated 50-year growth forecast.

Project Statistics. Gravity sewer - 3,100 LF of 12-inch gravity trunk.

Photos: (on the reverse side)

Budget Information:

Project Cost Estimate:

Total Project Cost:	\$815,000
Construction Cost:	\$815,000
Basis of Estimate:	Planning
Date of Estimate:	Sept. 2025

Schedule Information:

Activity

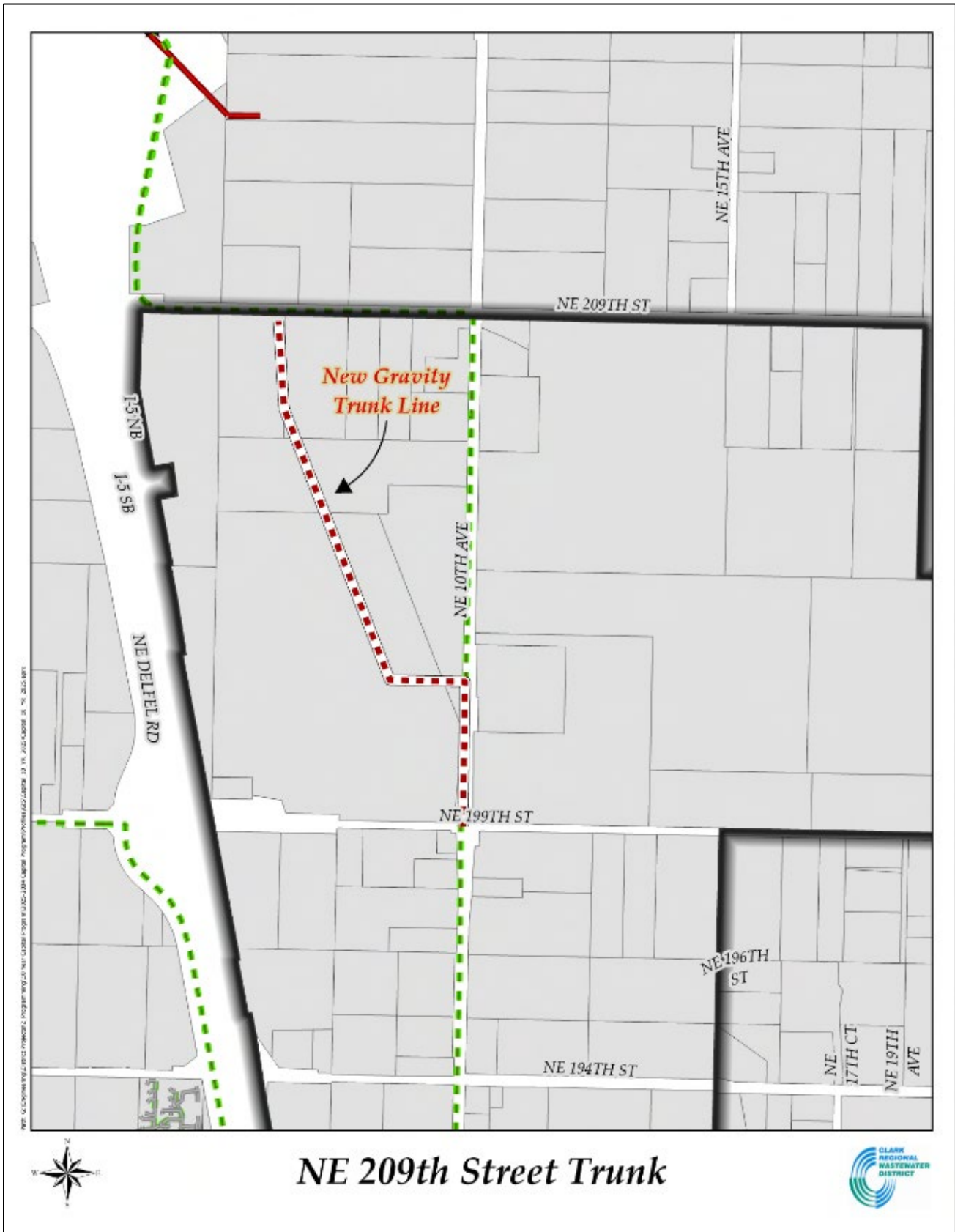
Year

Predesign	By Others
Permitting	By Others
Real Property/ROW	By Others
Design	2028-2029
Bid	By Others
Construction	2029-2030



Clark Regional Wastewater District

Ten-Year Capital Program Capital Project Profile





Clark Regional Wastewater District

Ten-Year Capital Program Capital Project Profile

Neil Kimsey Regional Force Main Upgrade (CIP 2-1606B)

Location: Central

Number: 27-2021-0050

GL Number: 409-000-189-00-01-51

Phase: Planning

Project Manager: Jerry Barnett

GSP Basin: Whipple Creek East – 2-1605

Legacy – 2-1603, I-5 Corridor – 2-1606

Capital Improvement Project ☒

General Facilities ☒

Local Agency Partnership ☐

Septic Elimination Program ☐

Developer Reimbursement Program ☐

Restoration & Replacement Project ☐

Restoration & Replacement - Gravity ☐

Restoration & Replacement – PS & FM ☐

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. The Neil Kimsey Regional Pump Station and force main are key components of the Discovery Corridor Wastewater Transmission System (DCWTS) that transports sewer from the City of Ridgefield to the Central Service Area and ultimately to the Salmon Creek Treatment Plant. The existing pump station and 16-inch force main were installed in 2016 as part of the DCWTS Phase 1 project with the understanding that the buildout of the facility would require addition of a 22-inch force main. The entirety of the 16-inch and a portion of the 22-inch force main extending from the pump station to the NE 209th Street cul-de-sac were installed with the 2016 project. The initial section of the 22-inch force main has not been used but will be the point of connection for extending the force main to an existing discharge structure located north of the NE 20th Avenue Trunk. Sections of the 22-inch force main may need to be installed in advance in coordination with WSDOT and Clark County project to improve the I-5/NE 179th St interchange.

Objective. Increase capacity of the Neil Kimsey Pump Station system to accommodate the additional flows resulting from the redirection of flows from Ridgefield.

Scope of Work. Extend the existing 22-inch force main parallel and adjacent to the existing force main along NE 209th Street, south along NE 10th Avenue to NE 154th Street. The force main will connect to the existing 22-inch force main at the north end and an existing discharge structure at the south end.

Project Statistics. Force main - 17,040 feet of 22-inch force main.

Photos: (Map of area on the reverse side)

Budget Information:

Project Cost Estimate:

Total Project Cost: \$21,575,000

Construction Cost: \$17,900,000

Basis of Estimate: Planning

Date of Estimate: Sept. 2025

Schedule Information:

Activity

Year

Predesign 2025-2026

Permitting 2026-2029

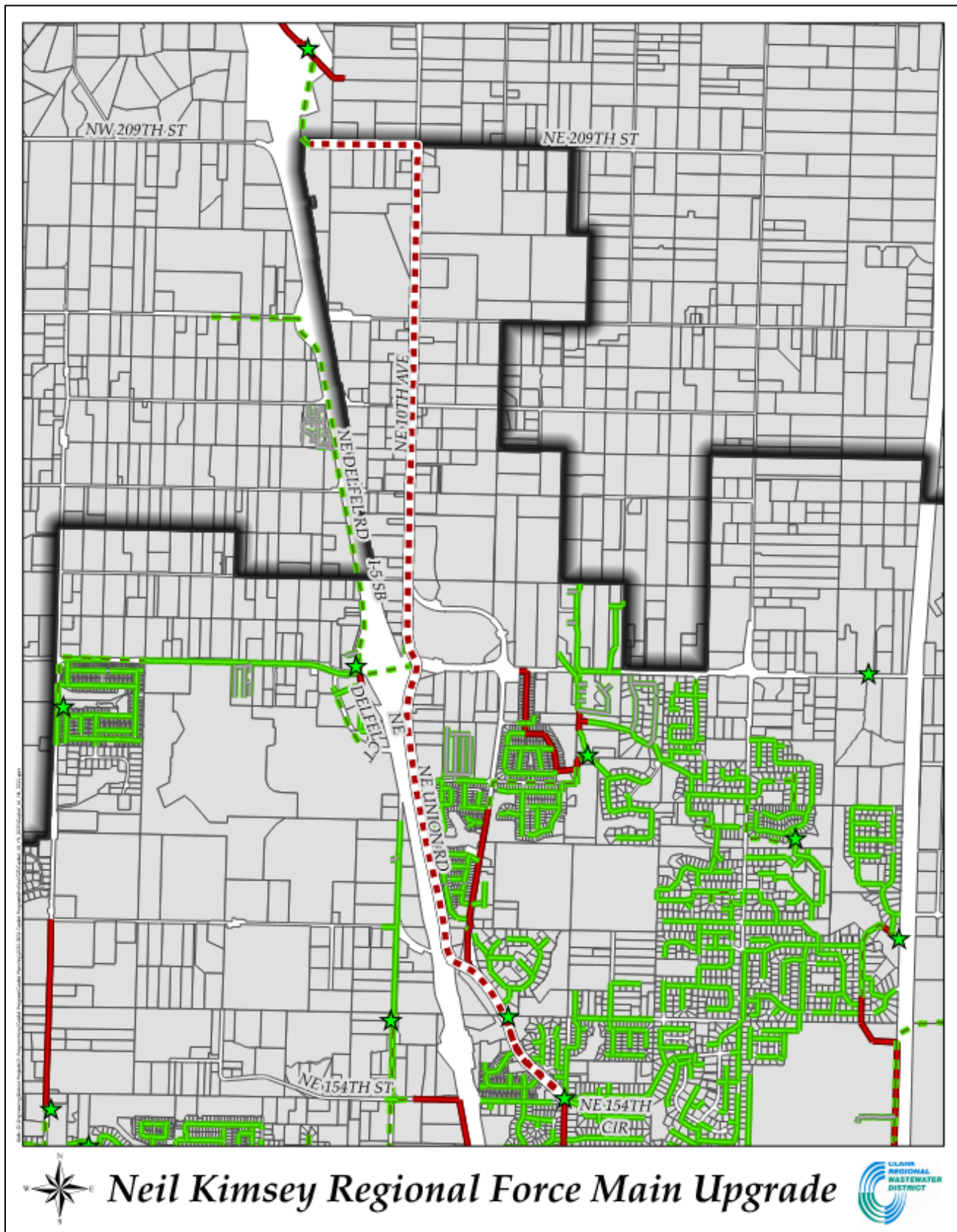
Real Property/ROW 2027-2029

Design 2025-2029

Bid 2027, 2029

Construction 2027, 2029-2030

Updated: Sept. 2025





Neil Kimsey Trunk (CIP 2-1606A)

Location: Central

Number: TBD

GL Number: TBD

Phase: Planning

Project Manager: Les MacDonald

GSP Basin: I-5 Corridor - 2-1606

Capital Improvement Project ☒

General Facilities ☐

Local Agency Partnership ☐

Septic Elimination Program ☐

Developer Reimbursement Program ☒

Restoration & Replacement Project ☐

Restoration & Replacement - Gravity ☐

Restoration & Replacement – PS & FM ☐

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. Identified in the 2017 General Sewer Plan.

Objective. Convey flow from the future pump station at 209th Street back to the Neil Kimsey Pump Station.

Scope of Work. This project includes developer reimbursement for installing a 12-inch trunk. The 12-inch sizing will accommodate the anticipated 50-year growth forecast.

Project Statistics. Gravity sewer - 1,100 LF of 12-inch gravity trunk.

Photos: (on the reverse side)

Budget Information:

Project Cost Estimate:

Total Project Cost:	\$265,000
Construction Cost:	\$265,000
Basis of Estimate:	Planning
Date of Estimate:	Sept. 2025

Schedule Information:

<u>Activity</u>	<u>Year</u>
Predesign	By Others
Permitting	By Others
Real Property/ROW	By Others
Design	2028-2029
Bid	By Others
Construction	2029-2030



Neil Kimsey Trunk



Oro-Vega Pump Station Replacement (CIP 2-601A)

Location: Central

Number: 26-2014-0011

GL Number: 407-000-189-00-01-22

Project Risk Score: 77

Phase: Design

Project Manager: Jerry Barnett

GSP Basin: Oro-Vega West – 2-601

Capital Improvement Project ☐

General Facilities ☐

Local Agency Partnership ☐

Septic Elimination Program ☐

Developer Reimbursement Program ☐

Restoration & Replacement Project ☒

Restoration & Replacement – Gravity ☐

Restoration & Replacement – PS & FM ☒

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. The Oro-Vega pump station was constructed as a steel-can drywell-type pump station in 1991 where the pumps and valves are located in a pre-fabricated steel cylinder with a reduced diameter “coning tower” to the surface. Entry into the pump station is classified as “confined space” entry.

The pump station has a firm capacity of 510 gpm and serves roughly 660 residential and commercial equivalent residential units. The aging station has a high demand for maintenance hours, and replacement parts are difficult to obtain. The station has less than one hour of holding time with no on-site generator, making it a high priority station for District crews.

A risk assessment scored the project 77 out of 100 due to its poor condition, poor reliability, safety concerns, and high consequence of failure given it’s proximity to a creek.

Objective. Replace the existing pump station to meet current District standards to increase safety and reliability while decreasing maintenance risks/costs.

Scope of Work. Install a new top slab on the wet well, new vault(s) and associated force main, a new electrical generator, new electrical and control equipment, and a new shelter.

Project Statistics. Force main – 80 feet of 8-inch force main.

Pump Station – 12 hp duplex submersible pumps for 587 gpm; three phase electrical service; diesel generator; control kiosk.

Photos: (Map of area on the reverse side)

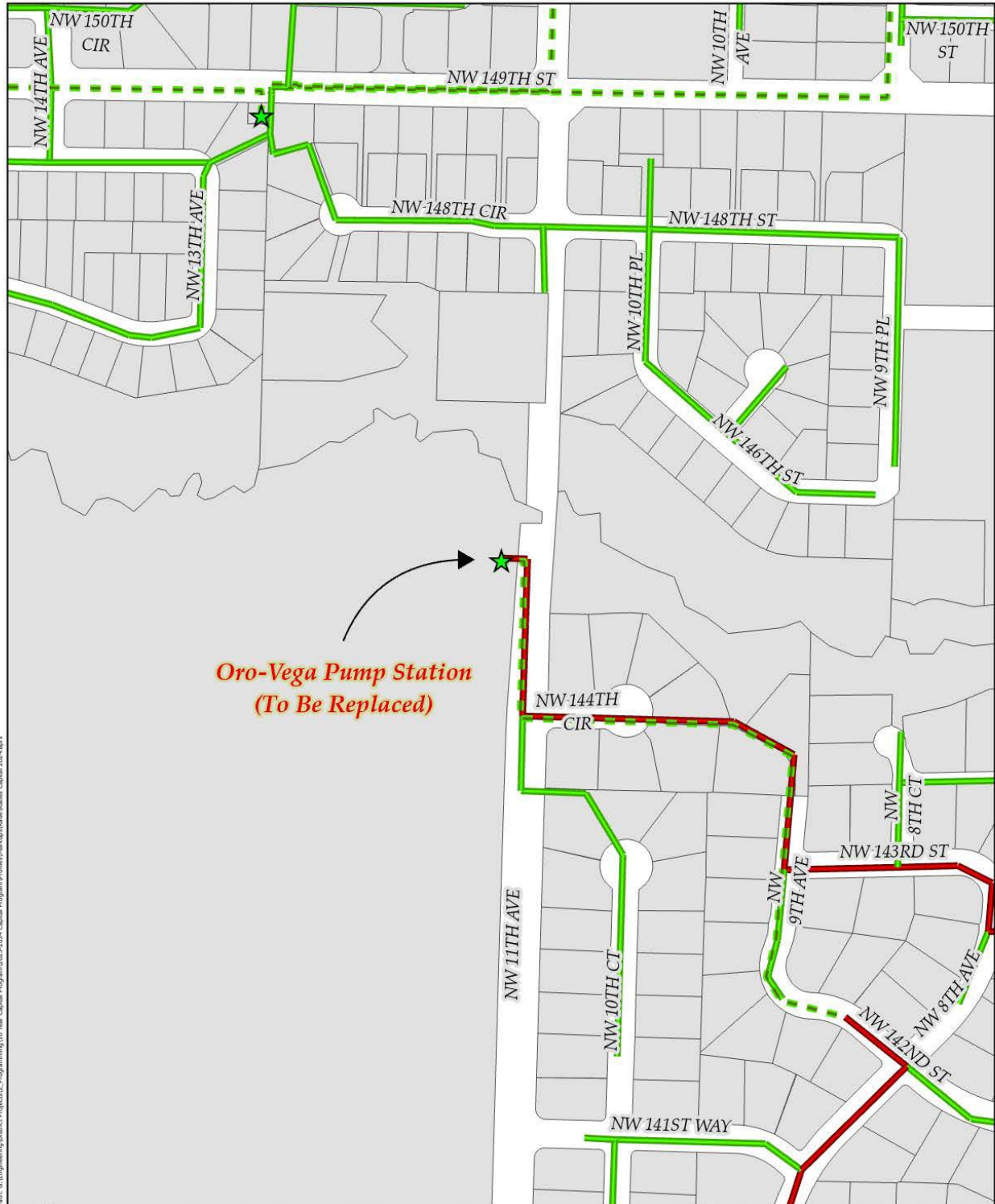
Budget Information:

Project Cost Estimate:

Total Project Cost:	\$1,565,000
Construction Cost:	\$1,310,000
Basis of Estimate:	Design
Date of Estimate:	Sept. 2025

Schedule Information:

Activity	Year
Predesign	2013-2025
Permitting	2014-2026
Real Property/ROW	2014-2026
Design	2014-2026
Bid	2026
Construction	2026-2027



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Oro-Vega Pump Station Replacement





Packard Creek Pump Station and Force Main (CIP 2-203C)

Location: Central

Number: TBD

GL Number: TBD

Phase: Planning

Project Manager: Les MacDonald

GSP Basin: Whipple Creek West - 2-203

Capital Improvement Project ☒

General Facilities ☐

Local Agency Partnership ☐

Septic Elimination Program ☐

Developer Reimbursement Program ☒

Restoration & Replacement Project ☐

Restoration & Replacement - Gravity ☐

Restoration & Replacement – PS & FM ☐

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. Identified in the 2017 General Sewer Plan.

Objective. Provide new pump station and force main to serve the northern portions of the Whipple Creek West Mini-Basin.

Scope of Work. This project includes developer reimbursement for a pump station and force main along NW 179th Street and NW 11th Avenue. Forecasted 2036 capacity is 100 gpm and 50-year capacity is approximately 200 gpm.

Project Statistics. Force main – 4,100 feet of 4-inch force main

Pump station – TBD hp duplex submersible pumps, TBD foot wet well, three phase electrical service, diesel generator, control kiosk, and odor control chemical tank.

Photos: (on the reverse side)

Budget Information:

Project Cost Estimate:

Total Project Cost:	\$4,230,000
Construction Cost:	\$3,730,000
Basis of Estimate:	Planning
Date of Estimate:	Sept. 2025

Schedule Information:

<u>Activity</u>	<u>Year</u>
Predesign	By Others
Permitting	By Others
Real Property/ROW	By Others
Design	2028-2029
Bid	By Others
Construction	2030-2031





Pavement Repair and Manhole Adjustment Allowance

Location: Varies

Number: Varies

GL Number: 407-000-189-00-01-63

Phase: Program

Project Manager: Dustin Harris

GSP Basin: Various

Capital Improvement Project ☐

Local Agency Partnership ☐

District Installed Infrastructure ☐

Septic Elimination Program ☐

Developer Reimbursement Program ☐

Restoration & Replacement Project ☒

Restoration & Replacement – Gravity ☐

Restoration & Replacement – PS & FM ☐

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. Annual program to repair pavement and adjust structure frames and covers. Projects are identified by District staff and partner agencies.

Objective. To maintain safe driving surfaces that meet requirements of local jurisdictions.

Scope of Work. Program addresses trench settlement, manhole or cleanout frame and cover adjustments, and pavement restoration on District-performed repair projects.

Project Statistics. N/A

Photos: N/A

Budget Information:

Project Cost Estimate:

Total Project Cost:	Allowance
Construction Cost:	TBD
Basis of Estimate:	Program
Date of Estimate:	Sept. 2025

Schedule Information:

<u>Activity</u>	<u>Year</u>
Predesign	Annually
Permitting	Annually
Real Property/ROW	Annually
Design	Annually
Bid	Annually
Construction	Annually



Clark Regional Wastewater District

Ten-Year Capital Program Capital Project Profile

Payne Pump Station Redirection (CIP 2-1605D)

Location: Central

Number: TBD

GL Number: TBD

Phase: Planning

Project Manager: TBD

GSP Basin: Mill Creek East – 2-1503

Capital Improvement Project ☒

General Facilities ☒

Local Agency Partnership ☐

Septic Elimination Program ☐

Developer Reimbursement Program ☐

Restoration & Replacement Project ☐

Restoration & Replacement – Gravity ☐

Restoration & Replacement – PS & FM ☐

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. Payne Pump Station was installed in 2015 to eliminate the temporary lift station that served the developments west of Mill Creek and provide capacity for future developments west of Mill Creek. Gravity sewer was evaluated to not be a feasible option due to cost and long-term access constraints. The pump station was installed to pump to mini-basin 2-1605 which feeds the Whipple Creek North Pump Station. To manage capacity at the Whipple Creek North Pump Station, the 2017 General Sewer plan identified a project to redirect Payne Pump Station to flow to the Mill Creek East mini-basin (2-1503) which feeds the Mt. Vista Trunk system. Preliminary alternative work associated with the Payne Pump Station identified gravity sewer upgrade needs between 3-185 to 3-265.

The existing pumps at the Payne Pump Station are rated at 440 gpm. With redirecting these pumps, the discharge point is at a substantially higher elevation which has an operating point at 125 gpm at 110 feet. The forecasted peak hour flow in 2036 is 115 gpm which is reasonably close to the estimated delivery from the existing equipment and hence no changes are anticipated for the mechanical elements of the station. The downstream gravity sewer upgrade needs will be confirmed.

Objective. Redirect Payne Pump Station to provide needed relief to the Whipple Creek North Pump Station while minimizing gravity sewer upgrade needs.

Scope of Work. Confirm preferred discharge location and any improvements to the pump station. Install new force main to connect to the existing gravity system.

Project Statistics. Force main – TBD feet of 6-inch force main.

Photos: (Map of area on the reverse side)

Budget Information:

Project Cost Estimate:

Total Project Cost:	\$870,000
Construction Cost:	\$725,000
Basis of Estimate:	Planning
Date of Estimate:	Sept. 2025

Schedule Information:

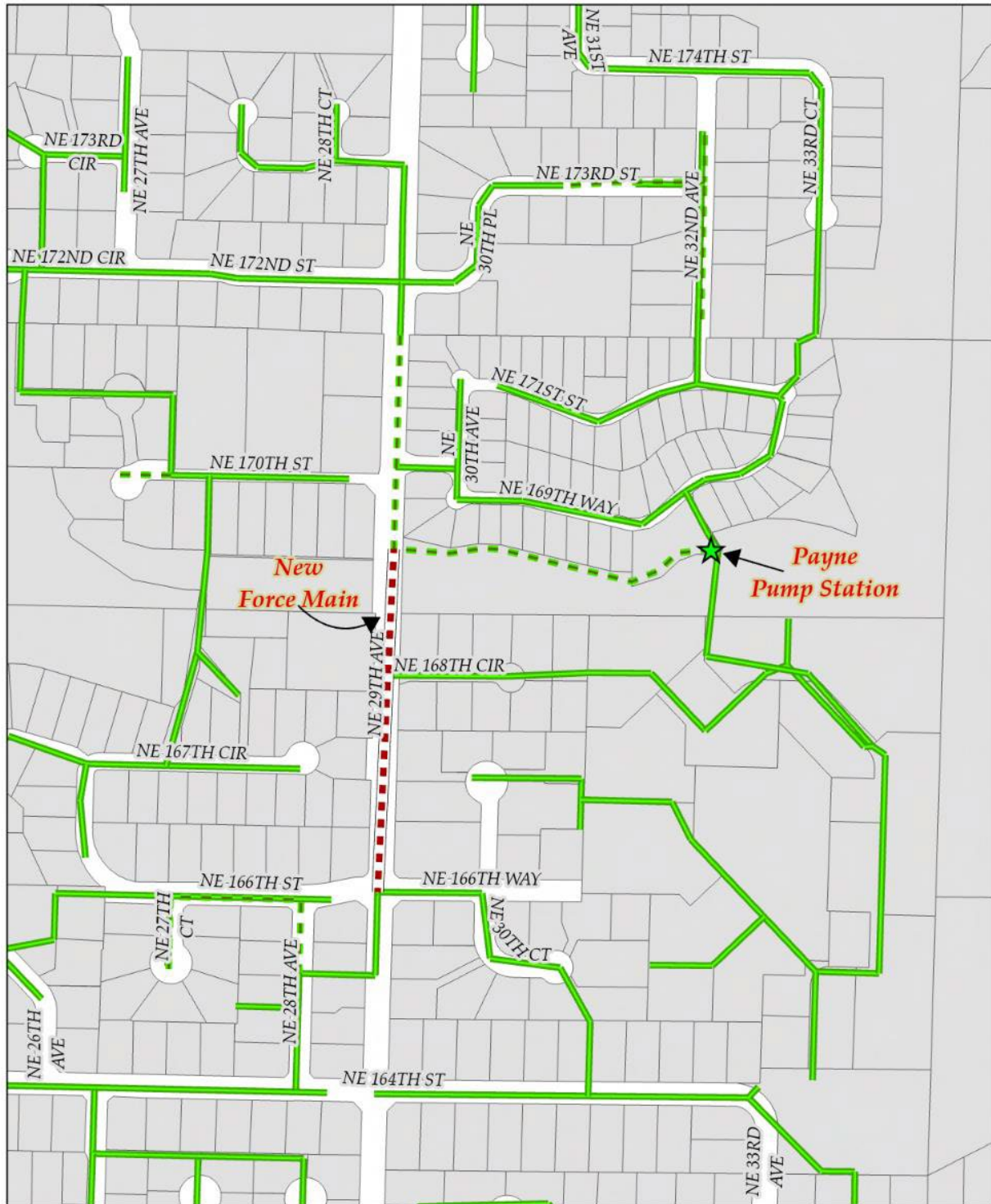
<u>Activity</u>	<u>Year</u>
Predesign	2026
Permitting	2026
Real Property/ROW	2026
Design	2026-2027
Bid	2027
Construction	2027-2028

Updated: Sept. 2025



Clark Regional Wastewater District

Ten-Year Capital Program Capital Project Profile



Payne Pump Station Redirection





Plantation Pump Station Replacement (CIP 2-1001A)

Location: Central

Number: 26-2015-0095

GL Number: 407-000-189-00-01-81

Project Risk Score: 24

Phase: Design

Project Manager: Jerry Barnett

GSP Basin: Knoll Ridge – 2-1001

Capital Improvement Project ☐

General Facilities ☐

Local Agency Partnership ☐

Septic Elimination Program ☐

Developer Reimbursement Program ☐

Restoration & Replacement Project ☒

Restoration & Replacement - Gravity ☐

Restoration & Replacement – PS & FM ☒

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. The existing Plantation Pump Station is a small pump station that serves seven homes located on the west side of I-5. This pump station operates as a 'lift station' that raises the sewage into a nearby gravity pipeline. In an emergency, it is possible for the effluent to overflow into the gravity sewer.

A risk assessment scored the project 24 out of 100. The likelihood of failure was very high due to the station being heavily corroded and unserviceable. The consequence of failure was low due to the ability of the station to overflow. This station has reached the end of its useful life and is recommended for replacement.

The basin served by the pump station is already built out, so no capacity upgrade is required.

Objective. Rehabilitate the existing pump station to meet current District standards to increase safety and reliability, while decreasing maintenance risks/costs.

Scope of Work. Replace the existing pumps, valve vault, force main, and electrical/control panels.

Project Statistics. Force main – 30 feet of 3-inch force main.

Pump Station – 3 hp duplex submersible pumps for 150 gpm capacity; electrical and control panels; valve vault.

Photos: (Map of area on the reverse side)

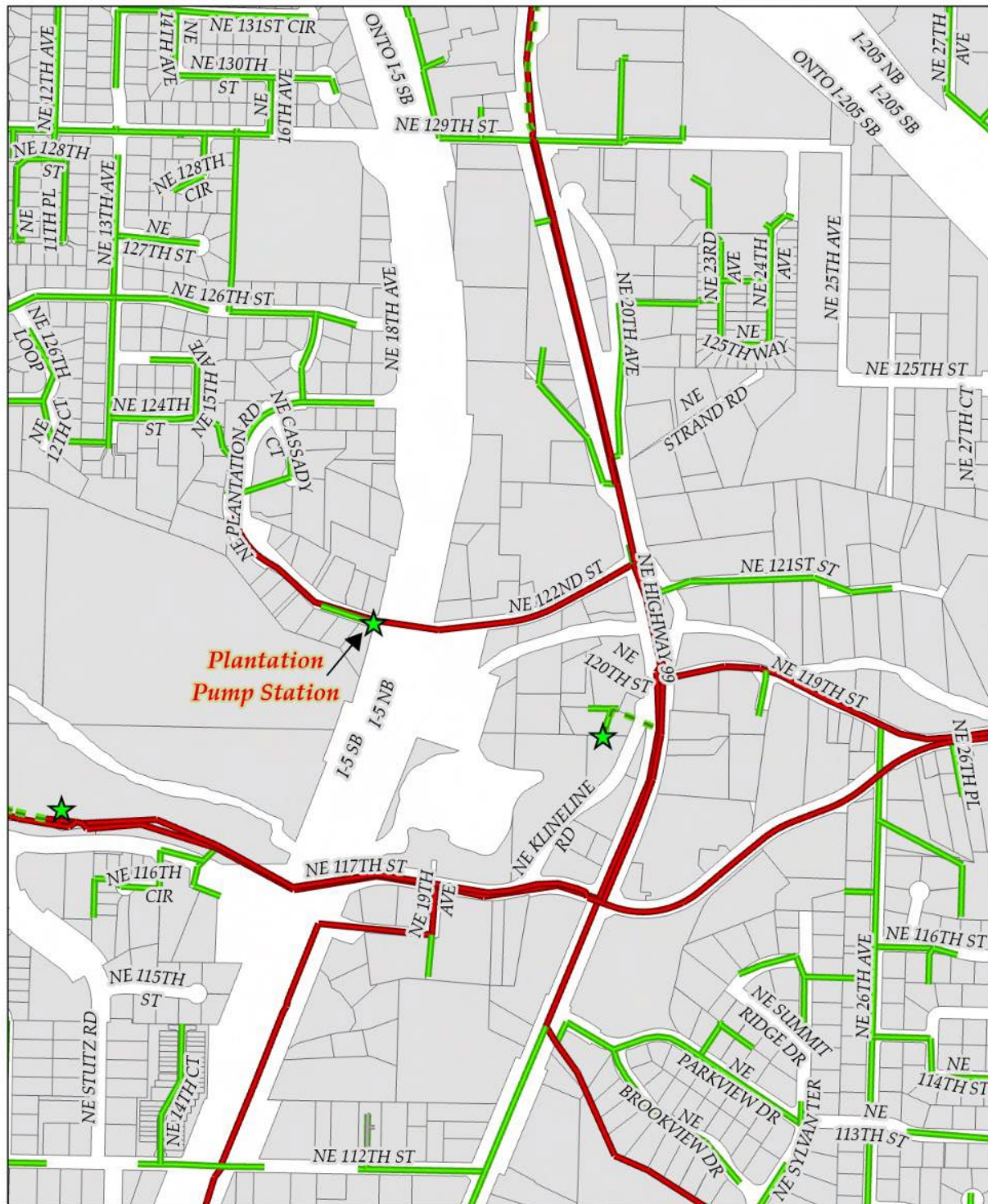
Budget Information:

Project Cost Estimate:

Total Project Cost:	\$560,000
Construction Cost:	\$710,000
Basis of Estimate:	Design
Date of Estimate:	Sept. 2025

Schedule Information:

<u>Activity</u>	<u>Year</u>
Predesign	2024
Permitting	2025
Real Property/ROW	2025
Design	2025
Bid	2026
Construction	2026



Plantation Pump Station Replacement





Pleasant Valley Highlands Pump Station Replacement

Location: Central

Number: 26-2025-0037

GL Number: 407-000-189-00-01-83

Project Risk Score: 77

Phase: Predesign

Project Manager: Katie Hall

GSP Basin: Pleasant Valley South – 2-1302

Capital Improvement Project ☐

General Facilities ☐

Local Agency Partnership ☐

Septic Elimination Program ☐

Developer Reimbursement Program ☐

Restoration & Replacement Project ☒

Restoration & Replacement – Gravity ☐

Restoration & Replacement – PS & FM ☒

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. The Pleasant Valley Highlands pump station was constructed as a steel-can drywell-type pump station in 1991 where the pumps and valves are in a prefabricated steel cylinder with a reduced diameter “coning tower” to the surface. Entry into the pump station is classified as “confined space” entry. The aging station has a high demand for maintenance hours, and replacement parts are difficult to obtain. The station has less than one hour of holding time with no on-site generator, making it a high priority station for District crews.

The station has a firm capacity of 470 gpm and serves roughly 270 residential customers. A risk assessment scored the project 77 out of 100 due to its poor condition, poor reliability, safety concerns, and high consequence of failure given its proximity to the public and a creek.

Objective. Replace the existing pump station to meet current District standards to increase safety and reliability while decreasing maintenance risks/costs.

Scope of Work. Install new wet well with top slab, new vault and associated force main, new electrical and control equipment, new kiosk, and new site paving, fencing, and lighting. Abandon/remove existing structures as needed.

Project Statistics. Force main – 20 feet of 6-inch and 10-inch force main.

Pump Station – 35 hp duplex submersible pumps for 500 gpm; three phase electrical service; control kiosk.

Photos: (Map of area on the reverse side)

Budget Information:

Project Cost Estimate:

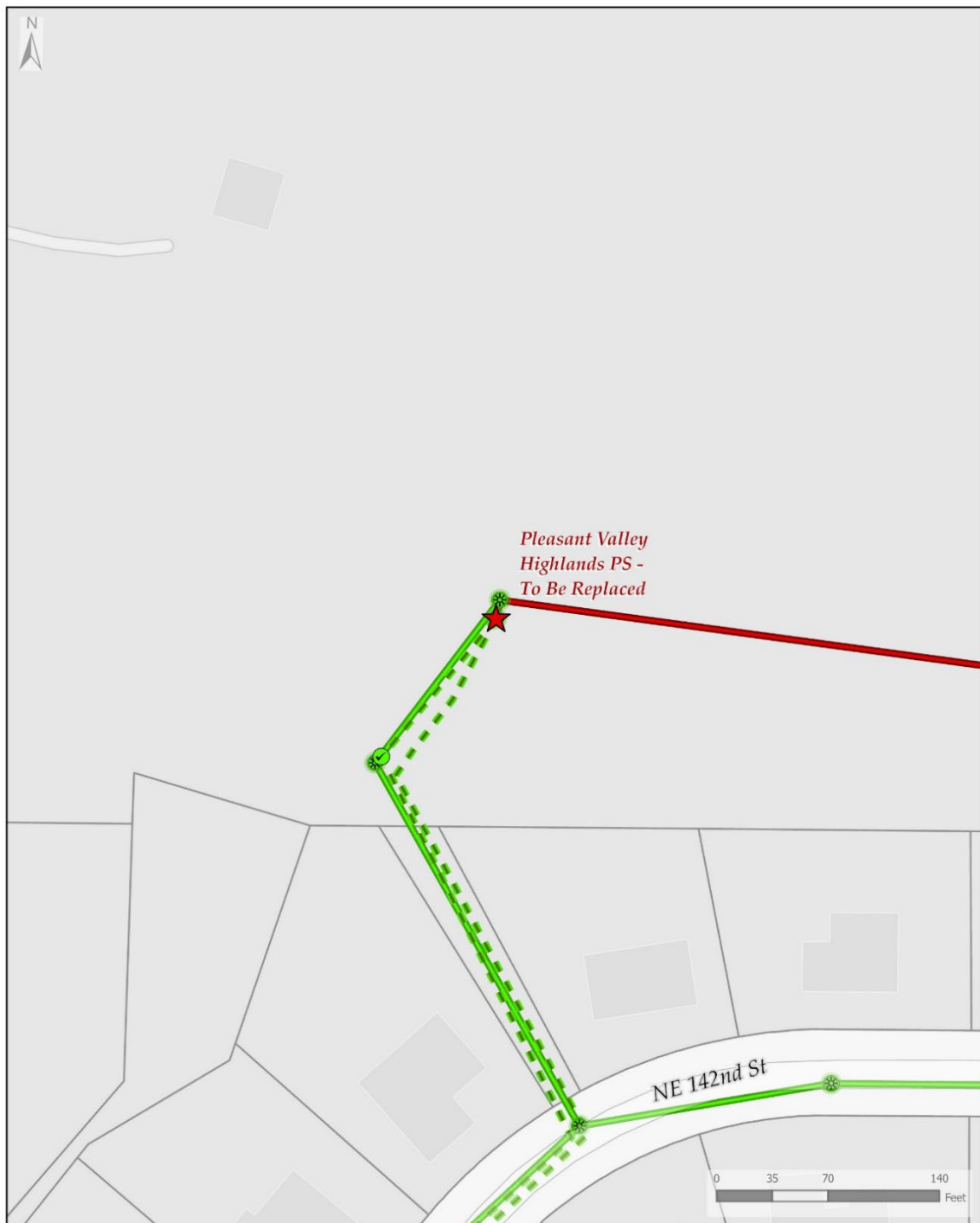
Total Project Cost:	\$1,820,000
Construction Cost:	\$1,450,000
Basis of Estimate:	Planning
Date of Estimate:	Sept. 2025

Schedule Information:

Activity

Year

Predesign	2025
Permitting	2028-2030
Real Property/ROW	2025-2026
Design	2028-2030
Bid	2030
Construction	2030-2031



Pleasant Valley Highlands PS Replacement



Clark Regional Wastewater District

Ten-Year Capital Program Capital Project Profile

Pleasant Valley North Pump Station C (CIP 2-1502C)

Location: Central

Number: TBD

GL Number: TBD

Phase: Design

Project Manager: Les MacDonald

GSP Basin: Pleasant Valley North – 2-1502

Capital Improvement Project ☒

General Facilities ☐

Local Agency Partnership ☐

Septic Elimination Program ☐

Developer Reimbursement Program ☒

Restoration & Replacement Project ☐

Restoration & Replacement - Gravity ☐

Restoration & Replacement – PS & FM ☐

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. Identified in 2017 General Sewer Plan.

Objective. Serve the northeastern portion of Pleasant Valley North Mini-Basin.

Scope of Work. Install a new pump station in the vicinity of NE 50th Avenue and NE 174th Street. Install a force main in a northerly direction along NE 50th Avenue to NE 179th Street. Forecast buildout capacity is 350 gpm.

Project Statistics. Force main – 2,500 feet of 6-inch force main.

Pump station – 35 hp duplex submersible pumps, eight foot wet well, three phase electrical service, diesel generator, control kiosk, and odor control chemical tank.

Photos: (Map of area on the reverse side)

Budget Information:

Project Cost Estimate:

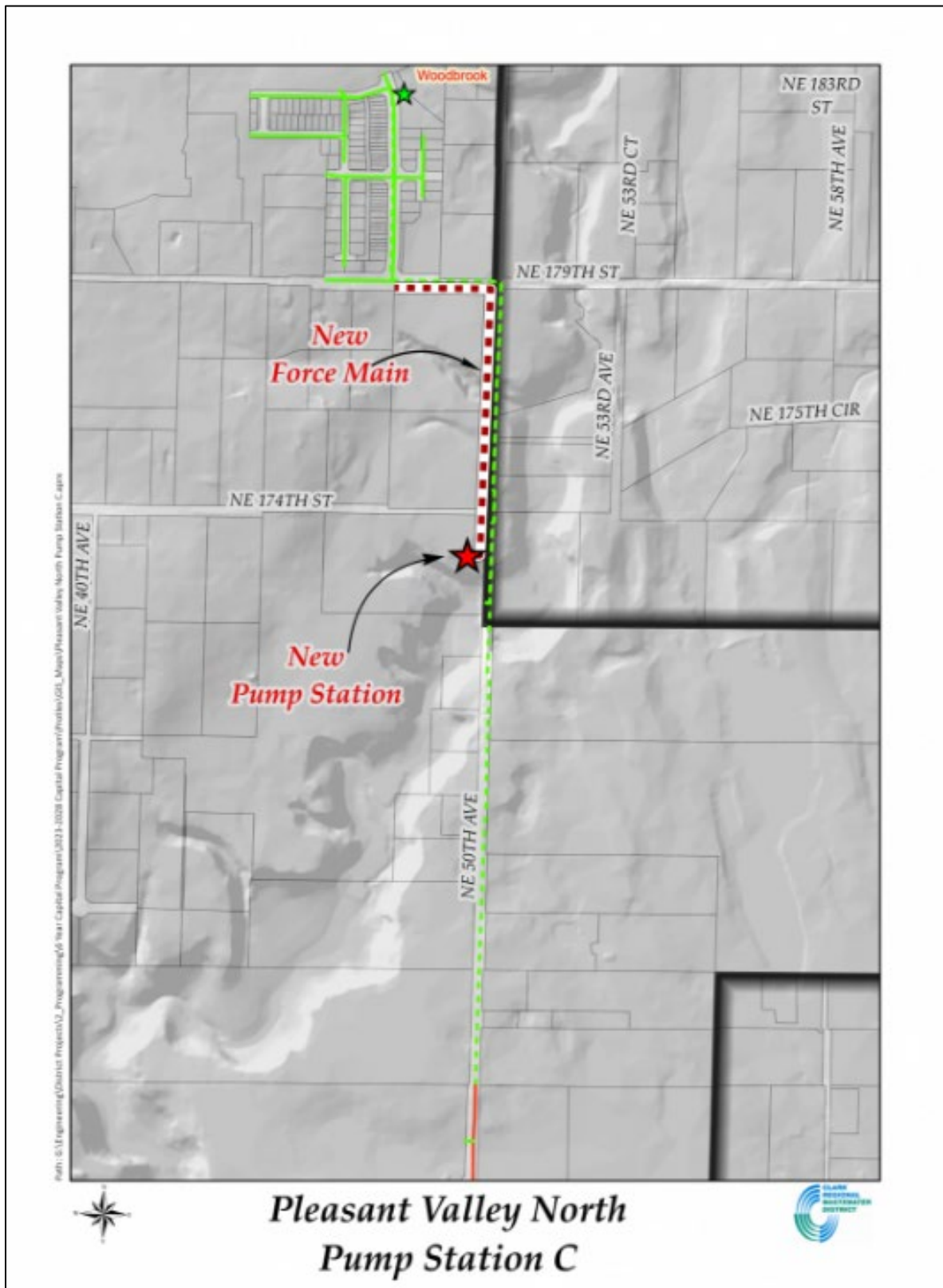
Total Project Cost:	\$2,300,000
Construction Cost:	\$2,000,000
Basis of Estimate:	Design
Date of Estimate:	Sept. 2025

Schedule Information:

Activity

Year

Predesign	By Others
Permitting	By Others
Real Property/ROW	By Others
Design	2023 – 2025
Bid	By Others
Construction	2026





Pleasant Valley North Pump Station Upgrade

Location: Central

Number: TBD

GL Number: TBD

Phase: Planning

Project Manager: TBD

GSP Basin: Pleasant Valley North – 2-1502

Capital Improvement Project ☒

General Facilities ☒

Local Agency Partnership ☐

Septic Elimination Program ☐

Developer Reimbursement Program ☐

Restoration & Replacement Project ☐

Restoration & Replacement – Gravity ☐

Restoration & Replacement – PS & FM ☐

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. The Pleasant Valley North Pump Station was installed in 2019 to serve the Pleasant Valley North basin. The 50th Avenue corridor is seeing an increase of growth with the lifting of the County's Urban Holding Area. This project has been identified to accommodate this growth.

This pump station was designed in anticipation of a single future upgrade to 666 gpm. A planning-level analysis in April 2025 indicated the basin's build-out capacity need is 719 gpm, which includes temporary flows from the Whipple Creek East basin and anticipated future service area following Clark County's 2026 Comprehensive Plan update.

Objective. Increase capacity at the Pleasant Valley North Pump Station.

Scope of Work. Upgrade pumps and related system components.

Project Statistics. Pump Station – 25 hp duplex submersible pumps for 719 gpm.

Photos: (Map of area on the reverse side)

Budget Information:

Project Cost Estimate:

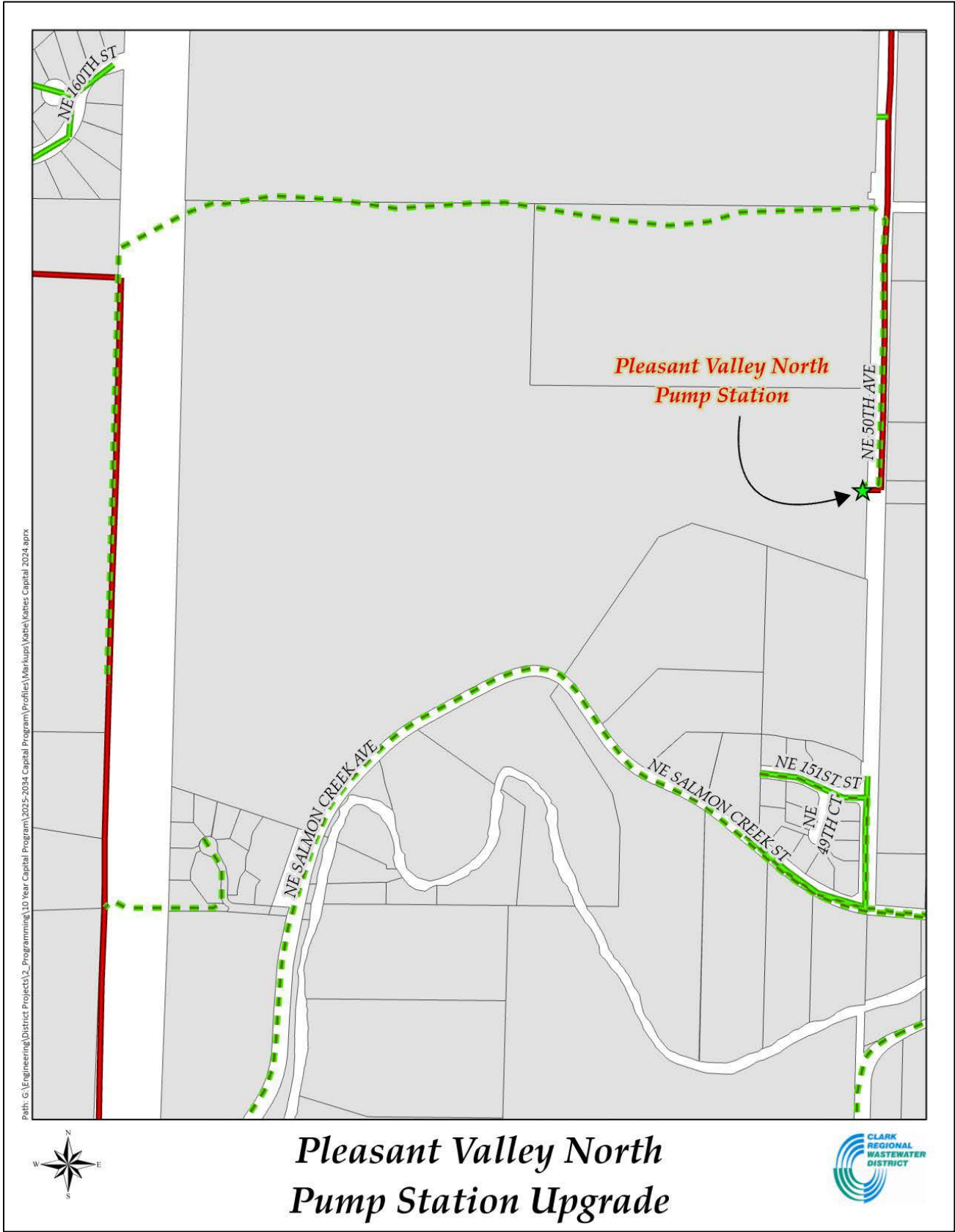
Total Project Cost:	\$335,000
Construction Cost:	\$300,000
Basis of Estimate:	Planning
Date of Estimate:	Sept. 2025

Schedule Information:

Activity

Year

Predesign	2024-2025
Permitting	N/A
Real Property/ROW	N/A
Design	2030
Bid	2030
Construction	2030





Pump Replacement Program

Location: Central and Ridgefield

Number: TBD

GL Number: TBD

GL Number: TBD

Phase: Program

Project Manager: TBD

GSP Basin: Various

Capital Improvement Project ☐

General Facilities ☐

Local Agency Partnership ☐

Septic Elimination Program ☐

Developer Reimbursement Program ☐

Restoration & Replacement Project ☒

Restoration & Replacement – Gravity ☐

Restoration & Replacement – PS & FM ☒

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. With the oldest pump stations nearing 50 years of age, District staff have been reactively replacing aged pumps. The District process currently acquires a spare pump for District owned and operated pump stations. To ensure reliable service, the District is moving towards standardizing on Flygt pumps.

This program will proactively replace aged pumps and ensure a shelf spare is available, while targeting older stations with non-Flygt pumps.

Objective. Maintain reliable sewer service by replacing aged non-Flygt pumps.

Scope of Work. Procure Flygt pumps.

Project Statistics. N/A

Photos: N/A

Budget Information:

Project Cost Estimate:

Total Project Cost: Program

Construction Cost: TBD

Basis of Estimate: Program

Date of Estimate: Sept. 2025

Schedule Information:

Activity

Year

Predesign Varies

Permitting Varies

Real Property/ROW Varies

Design Varies

Bid Varies

Construction Varies



Radio Node Upgrade

Location: Central

Number: TBD

GL Number: TBD

Phase: Planning

Project Manager: Melissa Moe

GSP Basin: Various

Capital Improvement Project ☒

General Facilities ☒

Local Agency Partnership ☐

Septic Elimination Program ☐

Developer Reimbursement Program ☐

Restoration & Replacement Project ☐

Restoration & Replacement – Gravity ☐

Restoration & Replacement – PS & FM ☐

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. A radio study completed in 2024 concluded the SCADA radio network is nearing capacity. The study recommended installing a fourth node to provide the needed capacity for the existing system and future growth.

Objective. Provide additional radio capacity to support forecasted growth.

Scope of Work. Install fourth radio node.

Project Statistics. N/A

Photos: N/A

Budget Information:

Project Cost Estimate:

Total Project Cost:	\$270,000
Construction Cost:	\$200,000
Basis of Estimate:	Planning
Date of Estimate:	Sept. 2025

Schedule Information:

<u>Activity</u>	<u>Year</u>
Predesign	2025-2026
Permitting	N/A
Real Property/ROW	N/A
Design	2026
Bid	2026
Construction	2026



Restoration and Replacement Allowance

Location: Central and Ridgefield

Number: Various

GL Number: 409-000-189-00-01-04 (Central)

GL Number: 409-100-189-00-01-04 (Ridgefield)

Phase: Various

Project Manager: TBD

GSP Basin: Various

Capital Improvement Project ☐

General Facilities ☐

Local Agency Partnership ☐

Septic Elimination Program ☐

Developer Reimbursement Program ☐

Restoration & Replacement Project ☒

Restoration & Replacement – Gravity ☒

Restoration & Replacement – PS & FM ☒

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. Annual program for unplanned sewer repairs and engineering support on restoration and replacement needs on gravity sewer infrastructure, pump stations, force mains, and other related appurtenances. Projects are identified by District staff and/or partner agencies.

Objective. To maintain reliable sewer service.

Scope of Work. Program includes projects and/or various expenses related to unplanned sewer needs, including restoration and replacement. Examples include engineering studies to inform facility operation, spot repairs (i.e. urgent sewer repairs that are not associated with another program or project), and unplanned adjustments to existing sewer facilities to accommodate partner agency project needs.

Project Statistics. N/A

Photos: N/A

Budget Information:

Project Cost Estimate:

Total Project Cost:	Allowance
Construction Cost:	TBD
Basis of Estimate:	Program
Date of Estimate:	Sept. 2025

Schedule Information:

Activity

Year

Predesign	Annually
Permitting	Annually
Real Property/ROW	Annually
Design	Annually
Bid	Annually
Construction	Annually



Clark Regional Wastewater District

Ten-Year Capital Program Capital Project Profile

Risto Road Meadow Glade Force Main Relocation

Location: Central

Number: 25-2024-0074

GL Number: 407-000-189-00-01-82

Phase: Construction

Project Manager: Katie Hall

GSP Basin: N/A

Capital Improvement Project ☒

General Facilities ☐

Local Agency Partnership ☒

Septic Elimination Program ☐

Developer Reimbursement Program ☐

Restoration & Replacement Project ☐

Restoration & Replacement – Gravity ☐

Restoration & Replacement – PS & FM ☐

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. A Clark County Road Project will install a new roundabout at the intersection of NE Risto Road and NE 182nd Avenue. The proposed guard rail along the approach in NE 182nd Avenue is in conflict with an existing sewer force main. The District will participate in the County Road Project to relocate the force main.

Objective. Relocate a portion of the existing force main in NE 182nd Avenue, south of the intersection with NE Risto Road, to be out of conflict with the County Road Project.

Scope of Work. Relocate the existing 3-inch force main. Abandon the existing force main in place or remove as necessary.

Project Statistics. Force Main – 215 feet of 3-inch force main.

Photos: (Map of area on the reverse side)

Budget Information:

Project Cost Estimate:

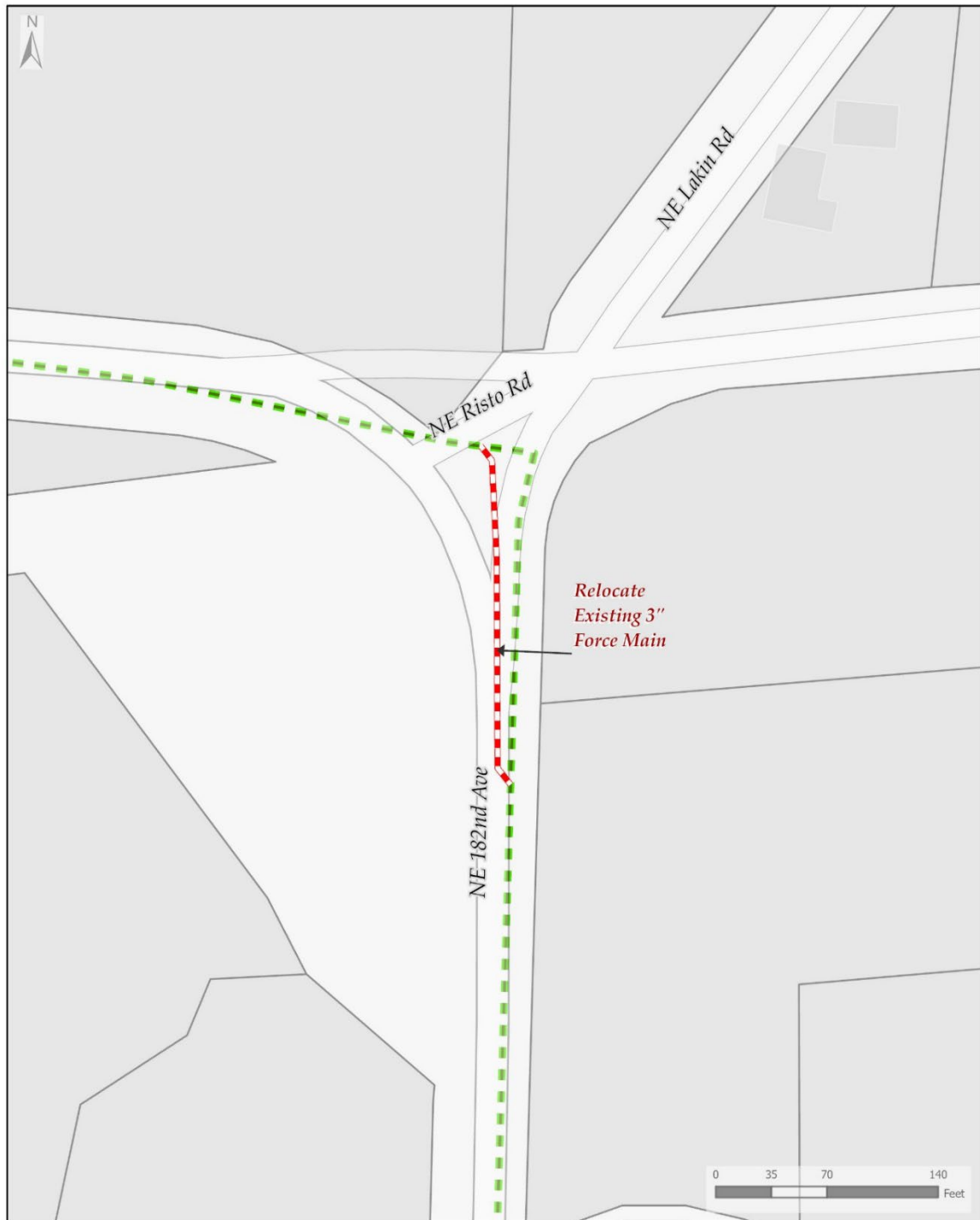
Total Project Cost:	\$60,000
Construction Cost:	\$50,000
Basis of Estimate:	Design
Date of Estimate:	July 2025

Schedule Information:

Activity

Year

Predesign	N/A
Permitting	N/A
Real Property/ROW	N/A
Design	2025
Bid	2025
Construction	2026



Risto Road Force Main Relocation



Schuller Force Main Upgrade (CIP 2-1707A)

Location: Central

Number: 27-2019-0080

GL Number: 407-000-189-00-01-68

Phase: Design

Project Manager: Andrea Avelar

GSP Basin: Glenwood Creek – 2-1707

Capital Improvement Project ☒

General Facilities ☒

Local Agency Partnership ☐

Septic Elimination Program ☐

Developer Reimbursement Program ☐

Restoration & Replacement Project ☐

Restoration & Replacement – Gravity ☐

Restoration & Replacement – PS & FM ☐

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. The Schuller Estates Pump Station is a duplex submersible pump station that was constructed in 2003. The 2017 General Sewer Plan identified a pump station upgrade to meet the 20-year capacity of 275 gpm. Additionally, Clark County is considering a project to construct a new road crossing Curtin Creek and connecting to NE 99th Street—this would allow the Mountain View Pump Station flows to transfer to Schuller Estates Pump Station (further increasing capacity needed).

Objective. Increase firm pump capacity at the Schuller Pump Station from 130 gpm to 240 gpm to serve projected growth within the Schuller mini-basin and potential flow from the Mountain View Pump Station and its growth potential.

Scope of Work. Construct a new 6-inch force main in parallel to the existing force main. Upgrades will include site piping in the existing valve vault, and construction of a new valve vault.

Project Statistics. Construct approximately 1,900 linear feet of 6-inch diameter HDPE pipe through open trench construction.

Photos: (Map of area on the reverse side)

Budget Information:

Project Cost Estimate:

Total Project Cost:	\$890,000
Construction Cost:	\$720,000
Basis of Estimate:	Design
Date of Estimate:	Sept. 2025

Schedule Information:

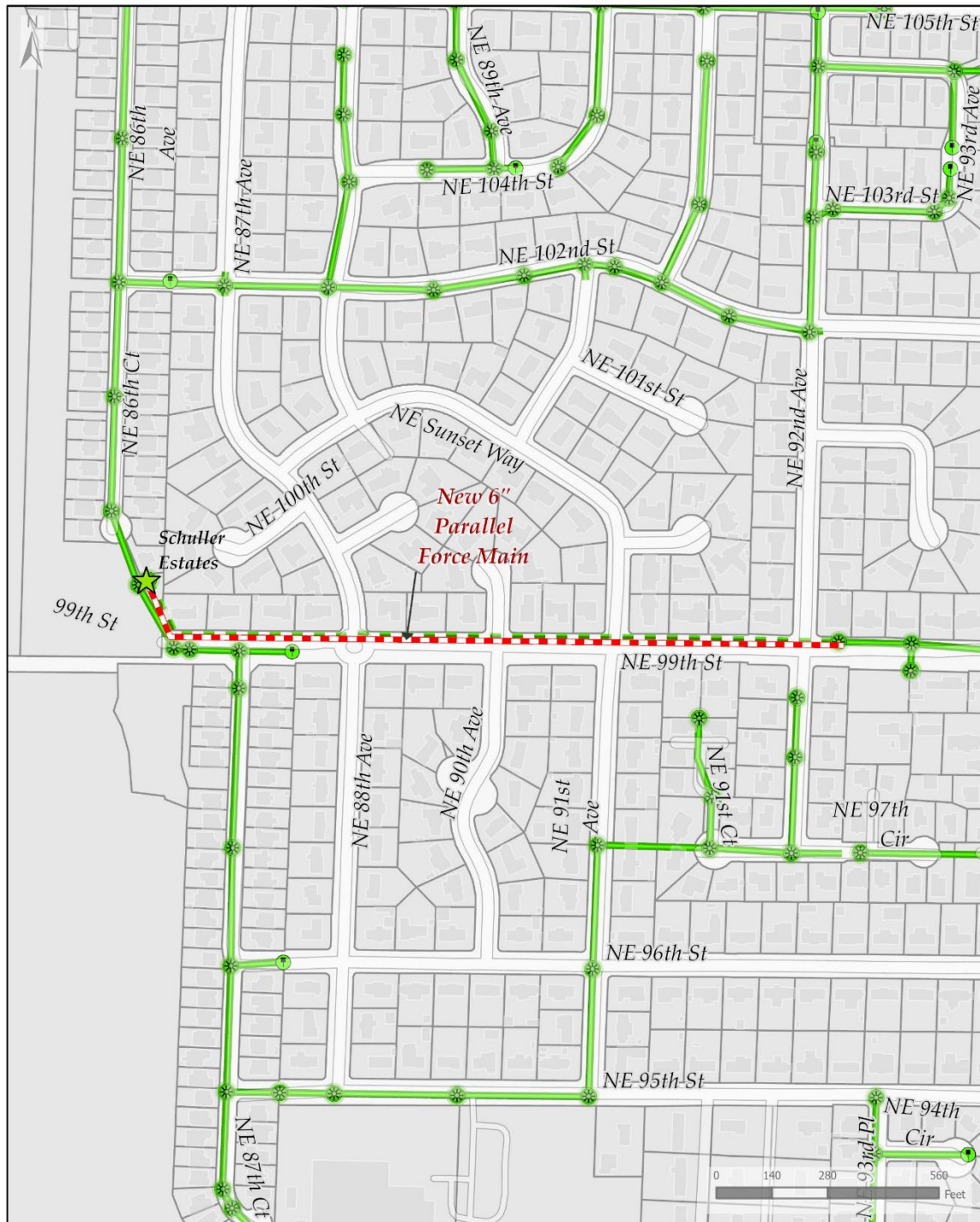
<u>Activity</u>	<u>Year</u>
Predesign	2020
Permitting	2020-2025
Real Property/ROW	N/A
Design	2020-2025
Bid	2026
Construction	2026-2027

Updated: Sept. 2025



Clark Regional Wastewater District

Ten-Year Capital Program Capital Project Profile



Schuller Force Main Upgrade



Septic Project Allowance

Location: Central & Ridgefield

Number: TBD

GL Number: TBD

Phase: Program

Project Manager: Vanessa Johnson

GSP Basin: Various

Capital Improvement Project ☒

General Facilities ☐

Local Agency Partnership ☐

Septic Elimination Program ☒

Developer Reimbursement Program ☐

Restoration & Replacement Project ☐

Restoration & Replacement – Gravity ☐

Restoration & Replacement – PS & FM ☐

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. Program developed in 2008 to provide a reliable and environmentally sustainable option for public sewer service to neighborhoods that are currently on septic systems. There are 44 areas that have been identified as projects with anywhere from 6 to 135 lots that require sewer service.

Objective. Assist existing neighborhoods in making public sanitary sewer available.

Scope of Work. Projects include new gravity pipe and manhole installation.

Project Statistics. Varies.

Photos: (Map of project areas on the reverse side)

Budget Information:

Project Cost Estimate:

Total Project Cost:	Allowance
Construction Cost:	TBD
Basis of Estimate:	Program
Date of Estimate:	Sept. 2025

Activity

Predesign	Annually
Permitting	Annually
Real Property/ROW	Annually
Design	Annually
Bid	Annually
Construction	Annually

Year



Silver Star Sewer and Pump Station Removal (CIP 2-1709A)

Location: Central

Number: TBD

GL Number: TBD

Phase: Planning

Project Manager: TBD

GSP Basin: NE 86th Street – 2-1709

Capital Improvement Project ☐

General Facilities ☐

Local Agency Partnership ☐

Septic Elimination Program ☐

Developer Reimbursement Program ☐

Restoration & Replacement Project ☒

Restoration & Replacement – Gravity ☐

Restoration & Replacement – PS & FM ☒

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. Identified in the 2017 General Sewer Plan. Silver Star Pump Station was constructed in 1998 as an interim station. The station has a firm capacity of 560 gpm and serves roughly 1,200 residential and commercial equivalent residential units. The station has less than one hour of holding time and no on-site generator, making it a high priority station for District crews. The aging station has been seeing an increase in demand for maintenance hours.

The station can be removed with the construction of approximately 1,500 feet of 15-inch gravity trunk.

Objective. Improve service and decrease maintenance costs by removing an interim pump station.

Scope of Work. Install 15-inch gravity trunk sewer from the intersection of NE 86th Street and NE 97th Court and extended it south along NE 98th Avenue and then east along NE 83rd Street to the pump station site. Abandon and remove the interim Silver Star Pump Station and force main.

Project Statistics. Gravity trunk – 1,500 feet of 15-inch gravity sewer.

Photos: (Map of area on the reverse side)

Budget Information:

Project Cost Estimate:

Total Project Cost:	\$1,800,000
Construction Cost:	\$1,450,000
Basis of Estimate:	Planning
Date of Estimate:	Sept. 2025

Schedule Information:

<u>Activity</u>	<u>Year</u>
Predesign	2031
Permitting	2031-2033
Real Property/ROW	N/A
Design	2031-2033
Bid	2033
Construction	2033-2034



Silver Star PS Removal



Standby Power Program

Location: Central

Number: TBD

GL Number: TBD

Phase: Program

Project Manager: Vanessa Johnson

GSP Basin: Various

Capital Improvement Project ☐

General Facilities ☐

Local Agency Partnership ☐

Septic Elimination Program ☐

Developer Reimbursement Program ☐

Restoration & Replacement Project ☒

Restoration & Replacement – Gravity ☐

Restoration & Replacement – PS & FM ☒

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. The District requires an on-site generator for pump stations with less than two hours of peak flow detention time within the pump station wet well and gravity sewer system. Some of the older pump stations in the collection system do not meet this criteria and rely on portable generators for the back-up power source. Several of these stations are deemed critical due to the minimal response time in the event of a power outage.

Objective. Improve service reliability by installing permanent emergency power standby generators at pump stations that do not meet the two hour detention time criteria. Stations will be prioritized by detention time.

Scope of Work. Install permanent emergency power.

Project Statistics. N/A

Photos: N/A

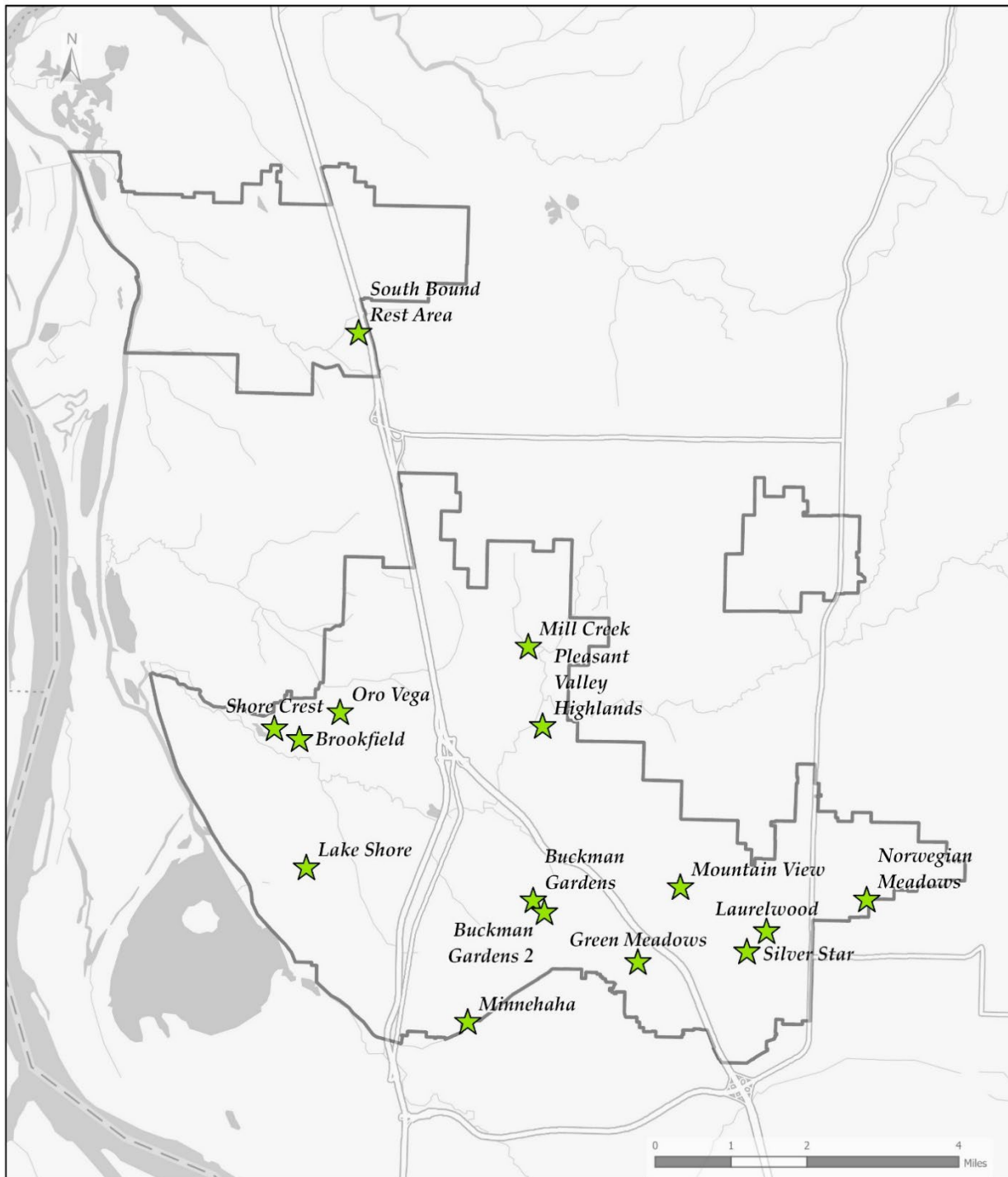
Budget Information:

Project Cost Estimate:

Total Project Cost:	Program
Construction Cost:	TBD
Basis of Estimate:	Program
Date of Estimate:	Sept. 2025

Schedule Information:

<u>Activity</u>	<u>Year</u>
Predesign	Varies
Permitting	Varies
Real Property/ROW	Varies
Design	Varies
Bid	Varies
Construction	Varies



Standby Power Program



Stutz Road SEP

Location: Central

Number: 23-2025-0005

GL Number: 409-000-189-00-01-66

SEP Project Score: 75

Phase: Planning

Project Manager: TBD

GSP Basin: Hwy 99 East – 2-801,
Hazel Dell North 2-701

Capital Improvement Project ☒

General Facilities ☐

Local Agency Partnership ☐

Septic Elimination Program ☒

Developer Reimbursement Program ☐

Restoration & Replacement Project ☐

Restoration & Replacement – Gravity ☐

Restoration & Replacement – PS & FM ☐

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. The Septic Elimination Program (SEP) is aimed at providing a reliable and environmentally sustainable option for public sewer service to neighborhoods that are currently on septic systems. This project scored 105 out of 140 based on prioritization criteria that considered public health, environmental protection, and social equity.

Objective. Assist neighborhood along NE Stutz Road between NE 112th Street and NE 117th Street by making public sanitary sewer available.

Scope of Work. Install 8-inch gravity main to serve 22 properties.

Project Statistics. Gravity main –1,750 feet of 8-inch gravity main with 22 – 4-inch gravity laterals.

Photos: (Map of area on the reverse side)

Budget Information:

Project Cost Estimate:

Total Project Cost:	\$1,420,000
Construction Cost:	\$1,200,000
Basis of Estimate:	Planning
Date of Estimate:	Sept. 2025

Schedule Information:

<u>Activity</u>	<u>Year</u>
Predesign	2028
Permitting	2028-2029
Real Property/ROW	2028-2029
Design	2028-2029
Bid	2029
Construction	2030



Stutz Road SEP



Clark Regional Wastewater District

Ten-Year Capital Program Capital Project Profile

Tenny Creek Pump Station and Trunk Abandonment

Location: Central

Number: TBD

GL Number: TBD

Phase: Planning

Project Manager: TBD

GSP Basin: Hwy 99 East – 2-801

Capital Improvement Project ☐

General Facilities ☐

Local Agency Partnership ☐

Septic Elimination Program ☐

Developer Reimbursement Program ☐

Restoration & Replacement Project ☒

Restoration & Replacement – Gravity ☒

Restoration & Replacement – PS & FM ☐

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. An 8-inch sewer in and adjacent to Tenny Creek lies in an area with a history of unstable soils. In 2015 an emergency was declared due to a broken section of the 8-inch gravity sewer. Another emergency was declared in 2022 for a different section 8-inch gravity sewer that had deflected due to the hillside soils sliding into the Creek. An alternatives analysis is required to identify the preferred long-term solution to providing reliable sewer service. Initial options include stabilizing the existing 8-inch gravity sewer and rerouting gravity sewer with the installation of a pump station.

Objective. Provide reliable sewer service by reducing risk of sewer failure and/or sanitary sewer overflows into Tenny Creek.

Scope of Work. TBD.

Project Statistics. TBD.

Photos: (Map of area on the reverse side)

Budget Information:

<u>Project Cost Estimate:</u>	
Total Project Cost:	\$3,860,000
Construction Cost:	\$3,100,000
Basis of Estimate:	Planning
Date of Estimate:	Sept. 2025

Schedule Information:

<u>Activity</u>	<u>Year</u>
Predesign	2035
Permitting	2035-2037
Real Property/ROW	2035-2037
Design	2035-2037
Bid	2037
Construction	2037-2038



Trunk Sewer Assessment

Location: Central

Number: TBD

GL Number: TBD

Phase: Planning

Project Manager: TBD

GSP Basin: Various

Capital Improvement Project ☐

General Facilities ☐

Local Agency Partnership ☐

Septic Elimination Program ☐

Developer Reimbursement Program ☐

Restoration & Replacement Project ☒

Restoration & Replacement – Gravity ☒

Restoration & Replacement – PS & FM ☐

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. The District's gravity collection system includes several miles of canyon sewers that lie in and adjacent to creeks. These sewers carry a high consequence of failure and are visually inspected with CCTV every 3 years and walked once a year. These sewers often flow full making internal CCTV condition assessment difficult.

This project will identify canyon trunk sewers with poor CCTV footage, acquire third party services where needed to properly inspect the sewers, and assess the condition of the newly inspected trunk sewers.

Objective. Maintain reliable service by acquiring means to properly assess gravity sewers.

Scope of Work. Identify, inspect, and assess condition of select canyon trunk sewers.

Project Statistics. N/A

Photos: N/A

Budget Information:

Project Cost Estimate:

Total Project Cost:	\$450,000
Construction Cost:	N/A
Basis of Estimate:	Planning
Date of Estimate:	Sept. 2025

Schedule Information:

<u>Activity</u>	<u>Year</u>
Predesign	Varies
Permitting	Varies
Real Property/ROW	Varies
Design	Varies
Bid	Varies
Construction	Varies



Wallace Heights SEP

Location: Central

Number: 23-2023-0004

GL Number: 409-000-189-01-60

SEP Project Score: 89

Phase: Design

Project Manager: Katie Hall

GSP Basin: Hazel Dell North – 2-701,
Hwy 99 East 2-801

Capital Improvement Project ☒

General Facilities ☐

Local Agency Partnership ☐

Septic Elimination Program ☒

Developer Reimbursement Program ☐

Restoration & Replacement Project ☐

Restoration & Replacement – Gravity ☐

Restoration & Replacement – PS & FM ☐

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. The Septic Elimination Program (SEP) is aimed at providing a reliable and environmentally sustainable option for public sewer service to neighborhoods that are currently on septic systems. This project was ranked first based on prioritization criteria that considered public health, environmental protection, and social equity.

Objective. Assist neighborhood south of NE 112th Street, north of NE 106th Street between NE Stutz Road and NE 8th Avenue by making public sanitary sewer available.

Scope of Work. Install 8-inch gravity main to serve 68 properties.

Project Statistics. Gravity main: 5,440 feet of 8-inch gravity main with 68 – 4-inch gravity laterals.

Phase 1 – 2,080 feet of 8-inch gravity main with 25 – 4-inch gravity laterals.

Phase 2 – 3,360 feet of 8-inch gravity main with 43 – 4-inch gravity laterals.

Photos: (Map of area on the reverse side)

Budget Information:

Project Cost Estimate:

Total Project Cost:	\$3,680,000
Construction Cost (inc. CM/Insp):	\$3,350,000
Basis of Estimate:	Design
Date of Estimate:	Sept 2025

Schedule Information:

Activity	Year
Predesign	2023
Permitting	2023-2025
Real Property/ROW	2023-2025
Design	2023-2026
Bid	2025-2026
Construction	2026



Wallace Heights SEP



Whipple Creek Place PS Elimination (CIP 2-202B)

Location: Central

Number: TBD

GL Number: TBD

Phase: Planning

Project Manager: TBD

GSP Basin: Whipple Creek West – 2-203

Capital Improvement Project ☒

General Facilities ☒

Local Agency Partnership ☐

Septic Elimination Program ☐

Developer Reimbursement Program ☐

Restoration & Replacement Project ☐

Restoration & Replacement - Gravity ☐

Restoration & Replacement – PS & FM ☐

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. The Whipple Creek Place Pump Station can be eliminated with the installation of an 8-inch gravity sewer from the pump station west to NW 11th Avenue and north to the Whipple Creek West Pump Station.

Need for the sewer will be driven by the capacity limitation of the 6" force main used by both the NW 149th Street Pump Station and the Whipple Creek West Pump Station. Whipple Creek West Pump Station has two planned capacity upgrades to accommodate growth in the basin. The second capacity upgrade for Whipple Creek West Pump station will exceed the capacity of the shared force main. Prior to the Whipple Creek West Pump Station upgrade, NW 149th Street Pump Station will need to be redirected to the east, using the existing 4" force main of Whipple Creek Place, and the 8-inch gravity sewer installed from Whipple Creek Place Pump station to Whipple Creek West Pump Station.

Objective. Divert flow from the NW 149th Street Pump Station away from the 6" force main shared with Whipple Creek West Pump Station. Decommission the Whipple Creek Place Pump Station by installing gravity sewer from the pump station west to NW 11th Avenue and north to Whipple Creek West Pump Station.

Scope of Work. Completion of the construction of an 8-inch gravity sewer from Whipple Creek Place PS to NW 11th Avenue then north to Whipple Creek West PS. Pump station improvements at NW 149th Street Pump Station to direct flow east using the existing 4" Whipple Creek Place Force Main. Decommission the Whipple Creek Place Pump Station.

Project Statistics. Gravity sewer – 950 feet of 8-inch sewer

Force main – 70 feet of 4-inch force main.

Pump Station – TBD at NW 149th Street Pump Station. Decommission Whipple Creek Place Pump Station.

Photos: (on the reverse side)



Clark Regional Wastewater District

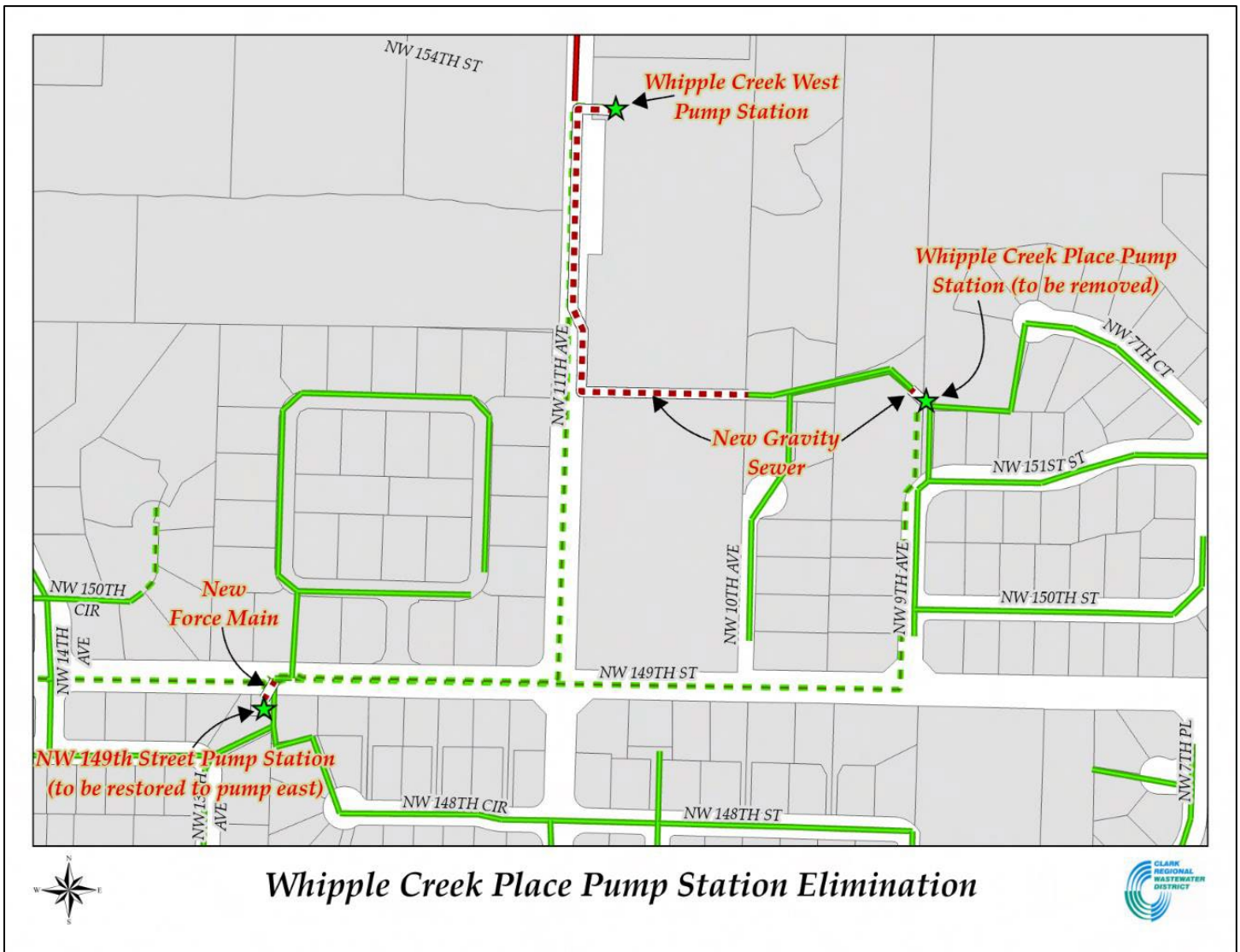
Ten-Year Capital Program Capital Project Profile

Budget Information:

<u>Project Cost Estimate:</u>	
Total Project Cost:	\$2,900,000
Construction Cost:	\$2,300,000
Basis of Estimate:	Planning
Date of Estimate:	Sept. 2025

Schedule Information:

<u>Activity</u>	<u>Year</u>
Predesign	2033
Permitting	2033-2035
Real Property/ROW	2033-2035
Design	2033-2035
Bid	2035
Construction	2035-2036





Clark Regional Wastewater District

Ten-Year Capital Program Capital Project Profile

Whipple Creek South Pump Station B and Force Main (CIP 2-1604B)

Location: Central

Number: TBD

GL Number: TBD

Phase: Planning

Project Manager: Les MacDonald

GSP Basin: Whipple Creek South - 2-1604

Capital Improvement Project ☒

General Facilities ☐

Local Agency Partnership ☐

Septic Elimination Program ☐

Developer Reimbursement Program ☒

Restoration & Replacement Project ☐

Restoration & Replacement - Gravity ☐

Restoration & Replacement – PS & FM ☐

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. Identified in 2017 General Sewer Plan.

Objective. Provide new pump station and force main to serve the Whipple Creek South Basin.

Scope of Work. This project includes developer reimbursement for a pump station and force main along NE 154th St. Forecasted 2036 capacity is 100 gpm and 50-year capacity is approximately 250 gpm.

Project Statistics. Force main – 1,700 feet of 4-inch force main.

Pump station - TBD hp duplex submersible pumps, TBD foot wetwell, three phase electrical service, diesel generator, control kiosk, and odor control chemical tank.

Photos: (on the reverse side)

Budget Information:

Project Cost Estimate:

Total Project Cost:	\$2,700,000
Construction Cost:	\$2,400,000
Basis of Estimate:	Planning
Date of Estimate:	Sept. 2025

Schedule Information:

Activity

Year

Predesign	By Others
Permitting	By Others
Real Property/ROW	By Others
Design	2035-2036
Bid	By Others
Construction	2036-2037



Whipple Creek Trunk (CIP 2-1605B)

Location: Central

Number: TBD

GL Number: TBD

Phase: Design

Project Manager: Les MacDonald

GSP Basin: Whipple Creek East – 2-1605

Capital Improvement Project ☒

General Facilities ☐

Local Agency Partnership ☐

Septic Elimination Program ☐

Developer Reimbursement Program ☒

Restoration & Replacement Project ☐

Restoration & Replacement – Gravity ☐

Restoration & Replacement – PS & FM ☐

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. Identified in 2017 General Sewer Plan.

Objective. Whipple Creek Trunk will serve the eastern quadrants of the NE 179th Street / I-5 junction area employment corridor and allow for the eventual abandonment of the existing Fairgrounds Pump Station. The Three Creeks North project will provide a portion of the Whipple Creek Trunk.

Scope of Work. Install the Whipple Creek Trunk from NE 15th Avenue and NE 179th Street west to NE 179th Street and the east side of the junction with I-5. The Three Creeks North project will extend sewer north through the development site.

Project Statistics. Gravity sewer - 4,500 feet of 10-inch and 24-inch gravity trunk.

Photos: (Map of area on the reverse side)

Budget Information:

Project Cost Estimate:

Total Project Cost:	\$300,000
Construction Cost:	\$270,000
Basis of Estimate:	Design
Date of Estimate:	Sept. 2025

Schedule Information:

Activity

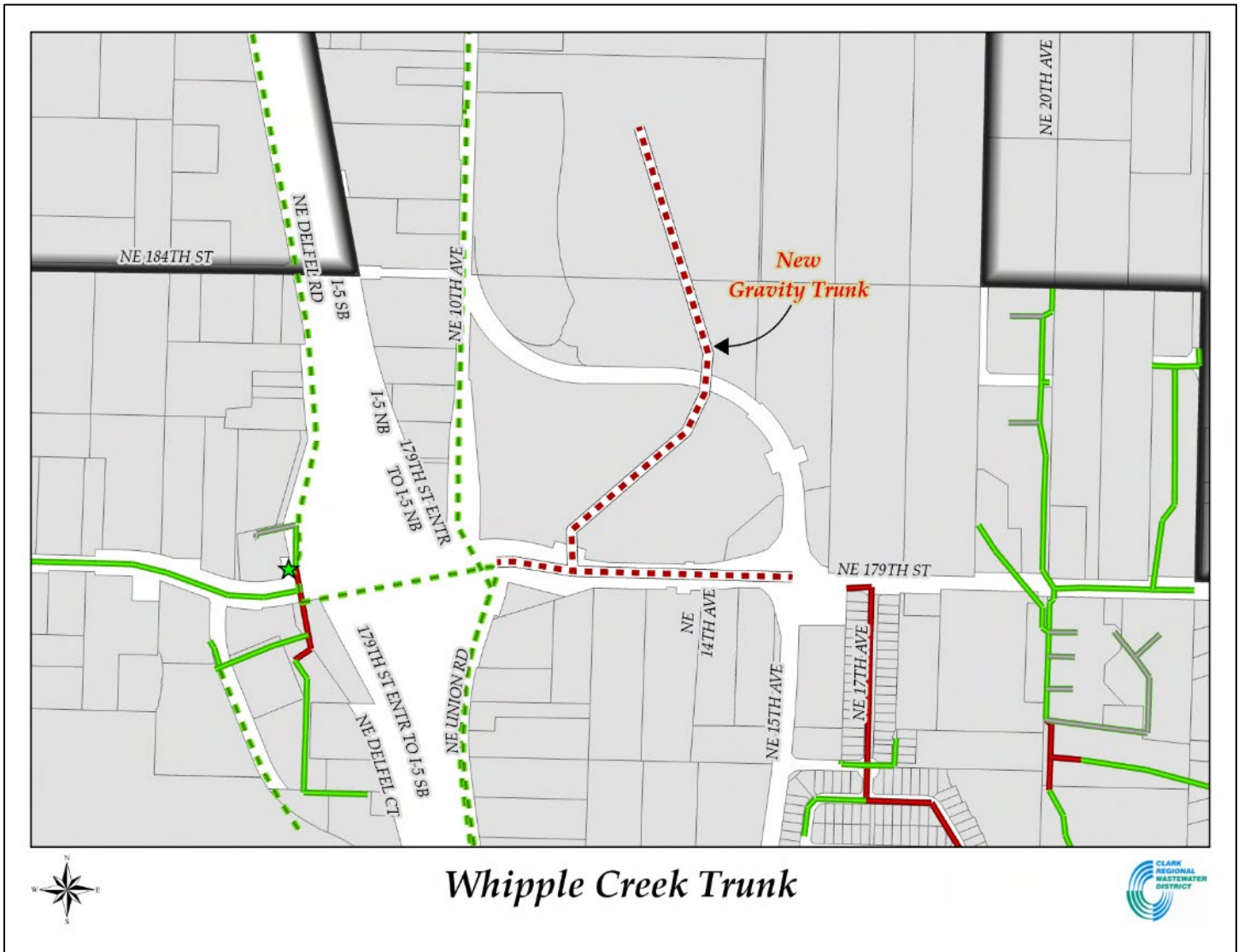
Year

Predesign	By Others
Permitting	By Others
Real Property/ROW	By Others
Design	2024-2027
Bid	By Others
Construction	2028-2029



Clark Regional Wastewater District

Ten-Year Capital Program Capital Project Profile





Wood Creek Pump Station Replacement

Location: Central

Number: TBD

GL Number: TBD

Project Risk Score: 64

Phase: Planning

Project Manager: TBD

GSP Basin: Knoll Ridge Basin – 2-1001

Capital Improvement Project ☐

General Facilities ☐

Local Agency Partnership ☐

Septic Elimination Program ☐

Developer Reimbursement Program ☐

Restoration & Replacement Project ☒

Restoration & Replacement – Gravity ☐

Restoration & Replacement – PS & FM ☒

Restoration & Replacement – Local Agency Partnership ☐

Project Definition:

Background. This vacuum-primed package pump station was installed in 1977. The pump station serves roughly 12 residential customers. The aging station has a high demand for maintenance hours, and replacement parts are difficult to obtain. Routine maintenance often requires confined space entry.

A risk assessment scored the project 64 out of 100 due to its poor condition, poor reliability, and safety concerns.

Objective. Replace the existing pump station to meet current District standards to increase safety and reliability while decreasing maintenance risks/costs.

Scope of Work. TBD.

Project Statistics. TBD.

Photos: (Map of area on the reverse side)

Budget Information:

Project Cost Estimate:

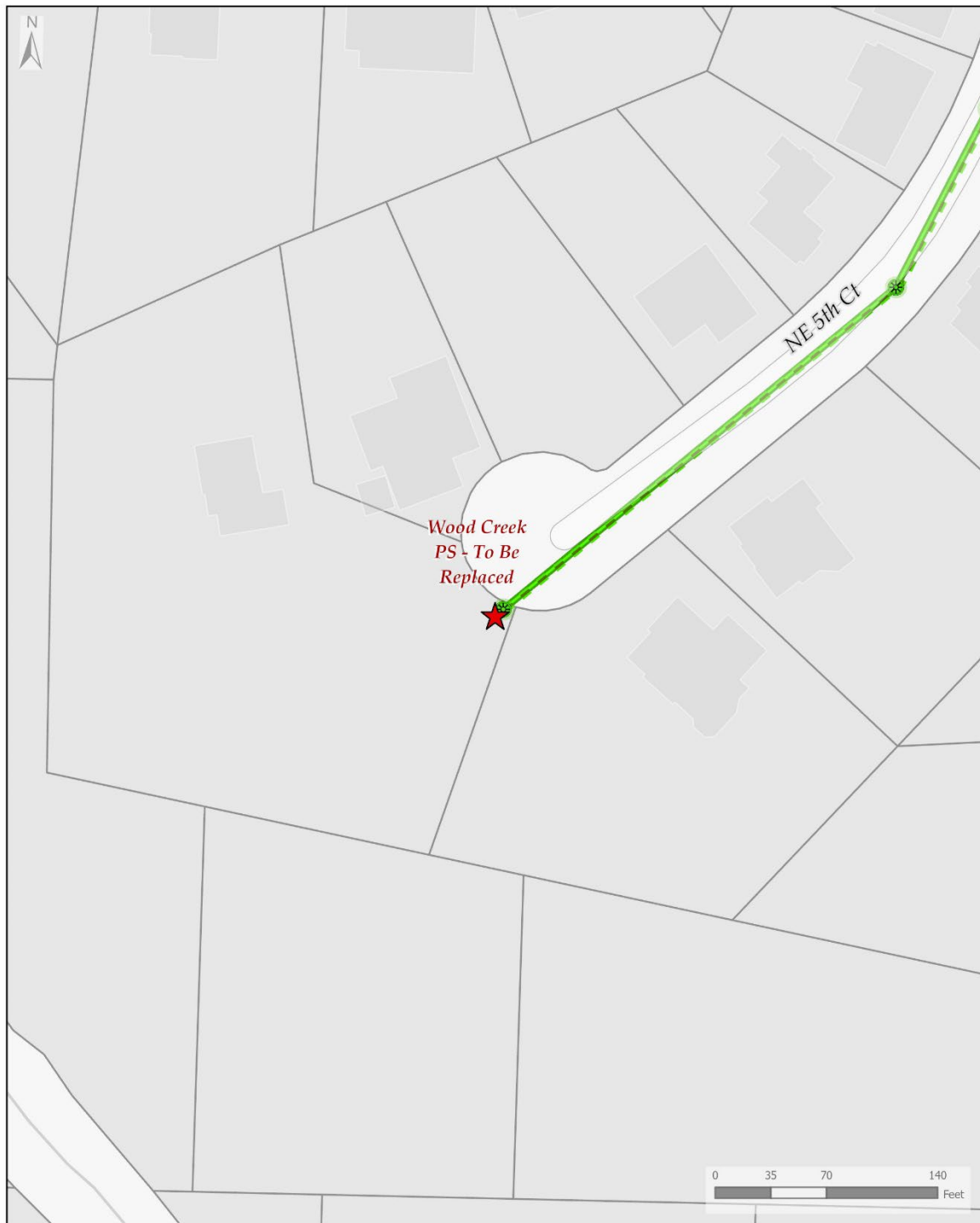
Total Project Cost:	\$1,880,000
Construction Cost:	\$1,500,000
Basis of Estimate:	Planning
Date of Estimate:	Sept. 2025

Schedule Information:

Activity

Year

Predesign	2033
Permitting	2033-2035
Real Property/ROW	2033-2035
Design	2033-2035
Bid	2035
Construction	2035-2036



Wood Creek PS Replacement