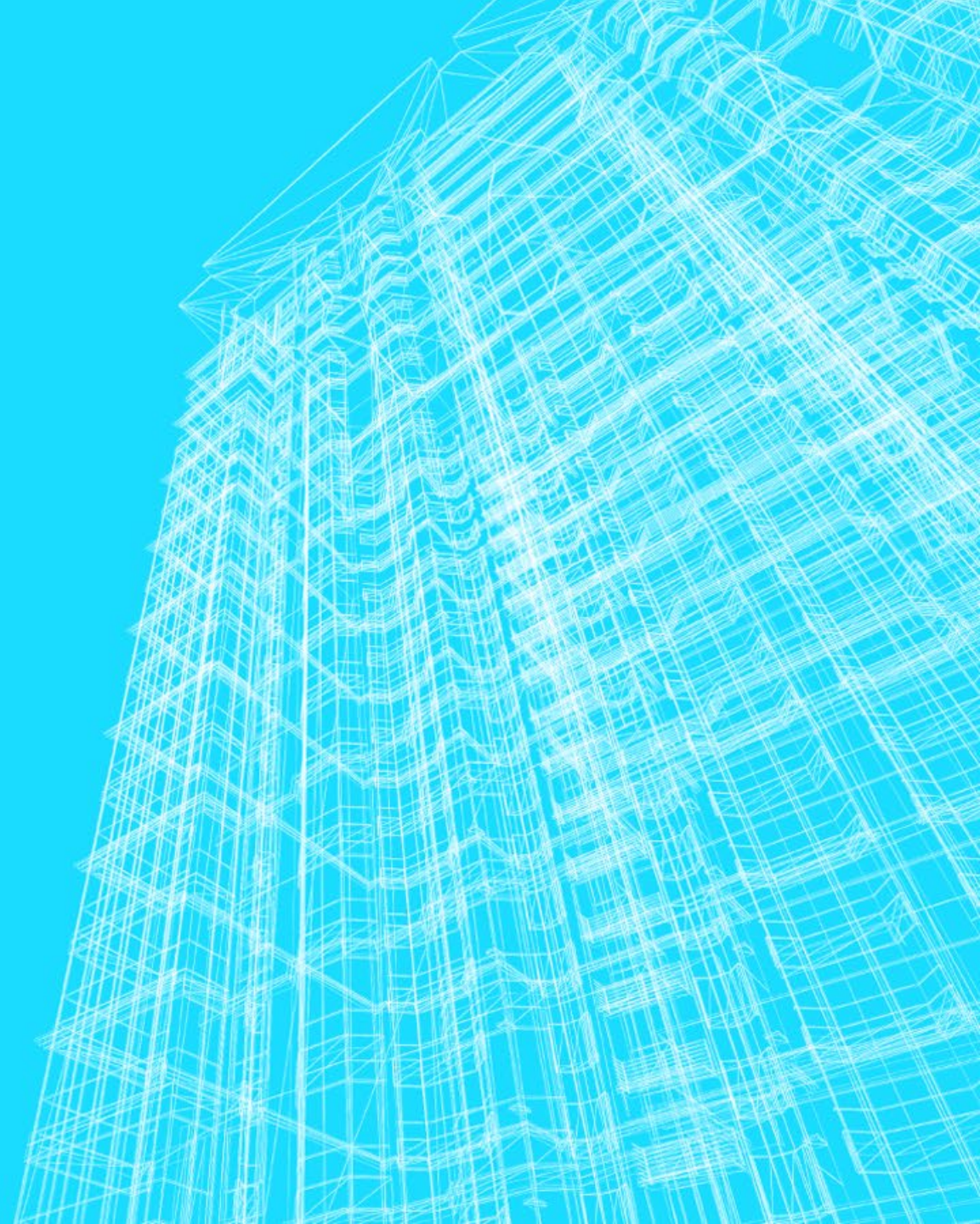




STRATEGIC PLANNING

Midway City Sanitary District
Milo Ebrahimi, P.E., District Engineer
April 11, 2024



INTRODUCTION

- Overview of the Engineering Department
 - Permits
 - Maintenances
 - Consulting with Sewer and Refuse Department
 - Regulations and Reporting
- Overview of the Engineering Projects
 - Finished Projects
 - Current Projects
 - Future Projects



Source:
<https://asmsheetmetal.com/what-do-specialties-mean-in-construction/>

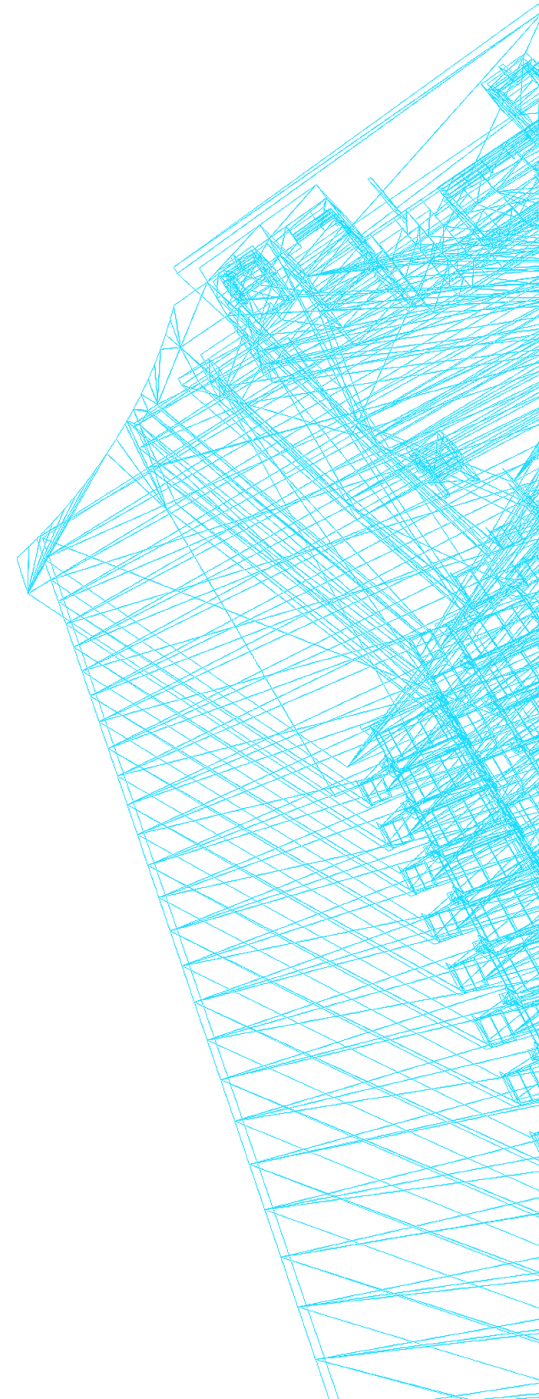
OVERVIEW OF THE ENGINEERING DEPARTMENT

Permits

Maintenances

Consulting with Sewer and Refuse Department

Regulation and Reporting



PERMITS

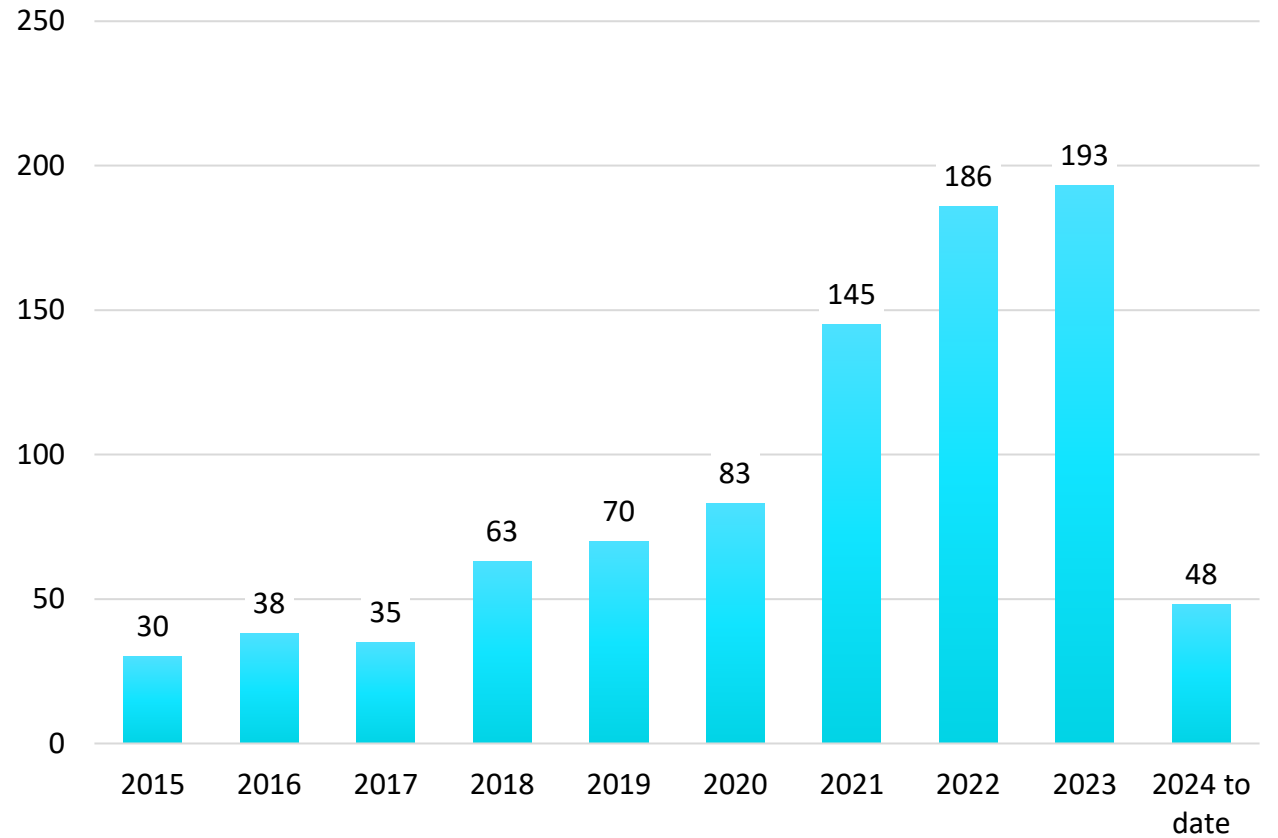


Midway City Sanitary District
 14451 Cedarwood Street, Westminster, CA 92683
 www.midwaycitysanitaryca.gov
 Phone: 714-893-3553

Sewer Connection Permit Application

MCSD Initial Fee: \$200.00 (Due Prior to Review)

| | |
|---|------------------------------------|
| APN #: _____ | Permit #: _____ |
| MCSD Initial Fee: _____ | \$200.00 |
| MCSD Additional Permit Fees: _____ | |
| OCSD Permit Fees: _____ | |
| TOTAL FEES: _____ | |
| BUILDING ADDRESS (Main Property Address): _____ | |
| NEAREST CROSS STREET: _____ | |
| CITY: _____ | |
| OWNER: _____ | PHONE NUMBER: _____ |
| Orange County Contractor's License #: (if applicable) _____ | |
| I hereby acknowledge that I have read this application and state that the above is correct and agree to comply with all District and County ordinances and State Laws regulating plumbing. I certify that I possess the above valid Orange County license, or I am the legal owner of the residential property described above. | |
| Signature of Permittee _____ | Signature Date _____ |
| District Remarks: | Date and Time Application Received |



■ Number of Reviewed Permits per Calendar Year

MAINTENANCES

- Lift Stations
 - Pumps
 - SCADA
 - Generators
- District
 - Buildings
 - Generators
 - CNG Stations (Mechanical and Electrical)



CONSULTING WITH SEWER AND REFUSE DEPARTMENT

- Sewer Department
 - Settlements/Sinkholes and Emergency Repairs
 - Daily Operations
 - SCADA system
 - Lift Stations
 - New Regulations and Compliances
 - Technology Assessment
- Refuse Department
 - Electrical Infrastructures
 - New Regulations and Compliances
 - Technology Assessment



REGULATION AND REPORTING

- California Air Resources Board (CARB)
 - Low Carbon Fuel Standards (LCFS)
 - Quarterly and Yearly reports
 - Truck Regulation Upload, Compliance and Reporting System (TRUCRS):
 - Yearly report
- California Water Resources Control Board (CWRCB)
 - California Integrated Water Quality System (CIWQS)
 - Monthly and Yearly reports

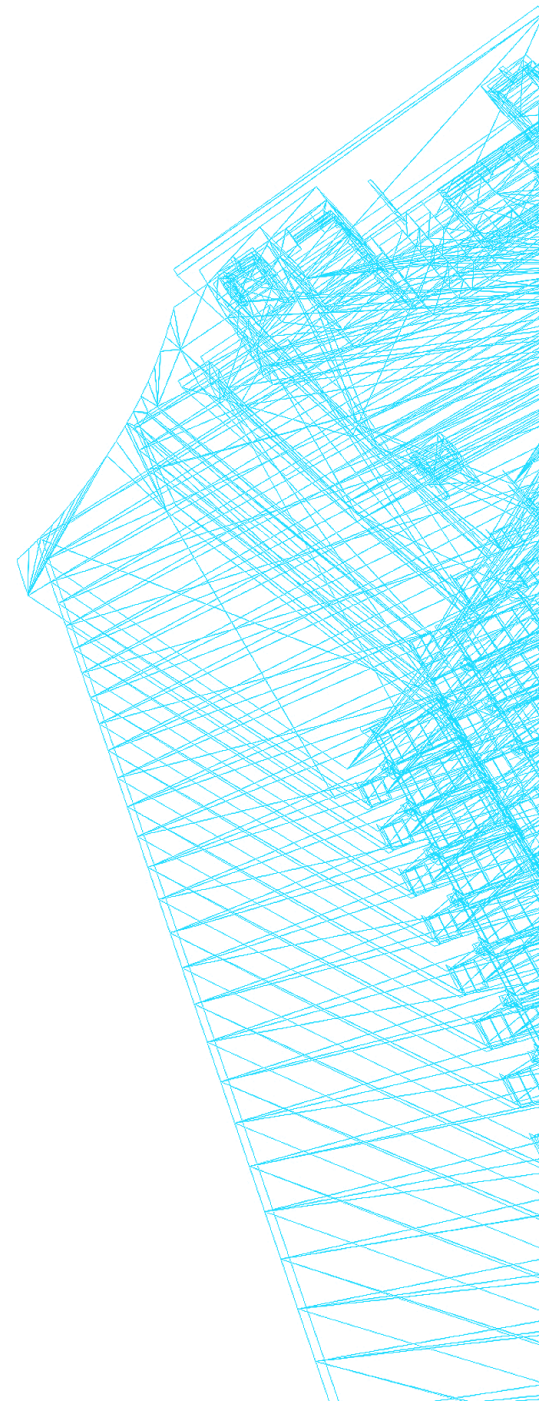


OVERVIEW OF THE ENGINEERING PROJECTS

Finished Projects

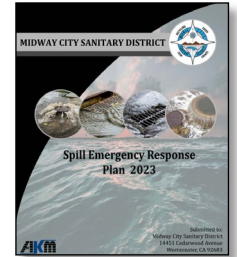
Current Projects

Future Projects



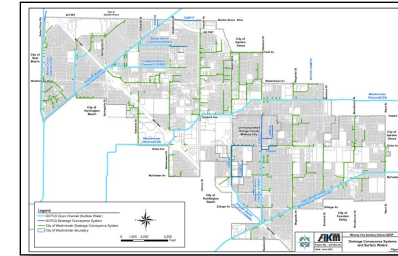
FINISHED PROJECTS

- Sewer System Emergency Response Plan (SERP)
 - SERP document was prepared by AKM under the supervision of District Engineer and was adopted by the Board of Directors on July 18, 2023.
- Cockroaches Mitigation Project (CMP) – phase 1
 - District Engineer planned and managed the CMP. Golden Bell Products has provided the service and product that is used in sewer manholes for the control of cockroaches. The entire manholes of the District will be treated in 3 phases in 3 consecutive years. The first phase of the treatment is completed in November of 2023.
- New District Building and Solar Carport Project
 - Woodcliff is the main contractor who was awarded to build this project for the District. Rengel Co. Architect was the designer and the project manager of this project. District Engineer helped the architect to manage this project in many ways. This project is almost complete. The contractor is just working on the punch list items.



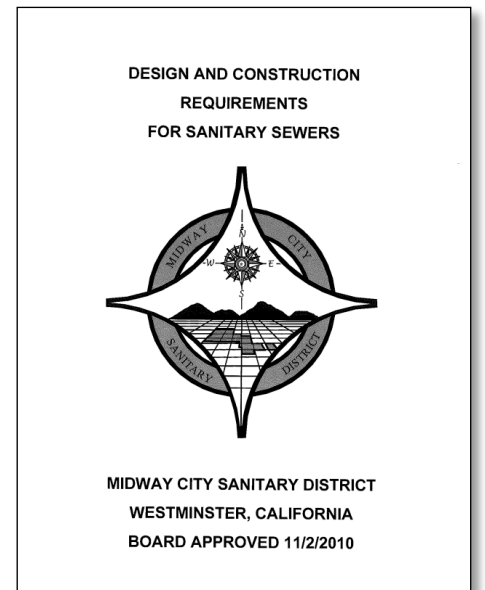
CURRENT PROJECTS

- Sewer System Master Plan (SSMP)
 - Since a year ago, District Engineer has been managing the SSMP by AKM consulting engineering firm. SSMP project identifies and prioritizes future system needs and improvements. The SSMP will be finished in about 9 months.
- Sewer System CCTV Video Inspection and Cleaning Project (CCTV)
 - Since a month ago after awarding the contract, District Engineer has been managing the CCTV project by Empire Pipe Cleaning and Equipment (EPCE). Over the next 9 months EPCE will be cleaning MCSD's sewer lines, CCTV sewer lines, and providing manhole video inspections.
- Westminster Mall Project
 - The existing Westminster Mall area is planned for redevelopment. The area will be developed in phases depending on various proposals from developers. Currently, there are three developments proposed by True Life Companies and Shopoff. The Tentative Tracts Map areas proposed for development. As a result, District Engineer is involved in many ways for the planning, review, and analysis of future development. This is an ongoing project and will continue for many years.
- City of Westminster Development Review Team (DRT)
 - District Engineer attends biweekly DRT meetings and engages in different projects that involve trash and sewer within the city of Westminster.



FUTURE PROJECTS (PAGE 1 OF 2)

- Sewer Department Capital Improvement Program (CIP) Projects
 - As soon as the SSMP and CCTV project are finished, District Engineer will be able to start planning for sewer system CIP projects for the next coming years. The estimated finish date of SSMP and CCTV will be in January 2025.
- Solid Waste Department CIP Projects
 - The District Engineer will start analyzing and the assessment of improvements for solid waste infrastructure that includes more solar panels and charging stations.
- Updating the Commercial Solid Waste Standards (CSWS)
 - District Engineer will start working on updating the CSWS in July 2024 to meet the new industry standards and SB1383 requirements. The last update of CSWS was September 2014.
- Updating the Sewer Design and Construction Requirements (SDCR)
 - After updating the CSWS, it is District Engineer's plan to update the SDCR. The last update of SDCR was in November 2010.



FUTURE PROJECTS (PAGE 2 OF 2)

- Digitalization of the Sewer System and Solid Waste Assets
 - It is District Engineer's plan for the coming year to digitalize sewer system and solid waste assets. That also includes scanning and organizing of all plans and mylars that are in the storage area at the back side of the yard. District Engineer already started the assessment of different software applications in January 2024 for this purpose.
- Updated Fee Analysis for Service Provided, Plan Check Fee, Impact Fees, etc.
 - This is District Engineer's goal is to help and update the MCSD's fees. The District Engineer could start when the new Finance Director is hired.
- Cockroaches Mitigation Project (CMP) – phase 2 & 3
 - District Engineer plans and manages the CMP. Golden Bell Products will provide the service and product that is used in sewer manholes for the control of cockroaches. The entire manholes of the District will be treated in 3 phases in 3 consecutive years. The first phase of the treatment is completed in November of 2023.



Source:
<https://elearningindustry.com/role-of-ai-in-the-future-of-project-management>



Source:
<https://www.psychologytoday.com/us/blog/gr-eat-kids-great-parents/201901/why-is-it-so-hard-plan-the-future>



Source:
https://mechanicalinventions.blogspot.com/2014/05/industrial-engineering-and-production_7.html

THANK YOU

Any Questions?!

