

# Southwest Metropolitan Water and Sanitation District



Capital Plan  
2027 – 2036

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## Capital Plan

2027 - 2036

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## **1.0 BACKGROUND & PURPOSE**

Southwest Metropolitan Water and Sanitation District was organized in April 1961 to provide water distribution and wastewater collection and transmission services to properties located within the district boundaries. Since the formation of the district, over 172 miles of water mains, 163 miles of sewer main, and one water pumping station have been installed by the district and private developers. The district now has responsibility for operation, maintenance, rehabilitation, and replacement of all these facilities.

The district first implemented an asset management program in 1989, which consisted of evaluating the assets to develop a rehabilitation and replacement program. The process was updated in 2018 and 2019 by adding an evaluation of the criticality of each asset, which is based on age, type of material, number of failures, and observed condition of each asset. Using the new asset evaluation criteria, the selection and prioritization of capital projects is updated each year. This process is described in more detail later in this Plan.

Present day replacement costs for assets owned and maintained by the District exceed \$350 million, and most of the water and sewer infrastructure was constructed between 1973 and 1985. The oldest of these assets are now approaching the end of their reliable, useful life and are failing at an increasing rate. The capital improvement program provides a systematic method for scheduling the necessary system improvements.

### **1.1 PURPOSE**

The purpose of this Plan is to itemize and schedule water and wastewater facility expansion, rehabilitation and replacement projects, and vehicle and equipment purchases. The proposed construction, rehabilitation, and replacement schedule is reviewed annually and adjusted to reflect changes in development patterns, and infrastructure deterioration and failure. The Plan is submitted to the Board of Directors for review and discussion in conjunction with the annual budget and ten-year financial plan.

The Plan is a key component of the annual budget development process. It allows the district to schedule future expenditures and determine the appropriate levels of capital reserves. Long range planning of tax and service fee revenues used for infrastructure rehabilitation and repair allows staff to minimize large fluctuations in property taxes and service fee rates. The Plan further allows for scheduling system replacements and rehabilitations on a consistent basis to match proposed revenues.

The Plan provides a framework for the district to be proactive rather than reactive when dealing with asset replacement and rehabilitation needs. System modifications are prioritized so the facilities most in need of repair are addressed in the most appropriate timeframe. The goal is to minimize operation and repair expenses by avoiding costly unscheduled repair, replacement, and rehabilitation of deteriorating facilities. A well-constructed capital rehabilitation and replacement program helps avoid system deterioration, disruption, and potential safety, health and property damage impacts.

## **1.2 FINANCIAL**

Capital requirements for the Plan are rising as the district's facilities age and deteriorate. The district has funded all projects via cash from reserves or the monthly service fee.

The Board of Directors adopted a revised Cash Reserve Policy in June 2024 that establishes criteria for setting minimum cash reserves for operations, capital expenditures and debt service. The criteria for the capital reserve component are based on the greater of the projected capital expenses for the next five years, or a set percentage of the replacement cost of all District assets adjusted for depreciation. The suggested balance for each reserve component is calculated and presented during the annual budget and financial plan evaluation. The district's goal is to maintain appropriate cash reserves to fund the established levels of service for operations as well as rehabilitation and replacement of system assets as determined by the comprehensive Plan.

## **1.3 CRITERIA FOR RATING REHABILITATION AND REPLACEMENT PROJECTS**

### **Sewer**

The district's sewer transmission (interceptor) network is extensive and serves a significant area outside of the district. Replacement or rehabilitation of these sewers has cost millions of dollars. With the rehabilitation/replacement of this sewer infrastructure, its useful life has been extended.

In 2025, an effort was started to develop comprehensive rehabilitation plan for the district's sewer mains. A software package called Info360 Asset was selected to create an evaluation process that could be easily updated each year and used to prioritize the rehabilitation of existing sewer mains.

Sanitary sewer mains are rated during routine, preventive television inspections using the Pipeline Assessment Certification Program (PACP) developed by National Association of Sewer Service Companies (NASSCO). Multiple data sets were loaded into Info360 Asset including pipe characteristics (age, pipe material), results of recent PACP assessments, and spatial relationships to rivers/lakes/roadways and critical customers. This information creates a likelihood of failure (LoF) and consequence of failure (CoF) for each sewer asset, which feeds into an overall risk score equation.

The LoF is calculated using the results of the regular PACP inspections, which identifies areas of infiltration, root intrusion, and structural defects such as cracks or holes. The age of the sewer main and the pipe material are also factored into the calculation. The CoF is calculated using the pipe diameter (to represent number of customers served) and road speed limit (to represent costs for an open-cut repair or other response activities). Due to the district's neighborhood-level characteristics, approximately 84% of the sewer mains are 8" in diameter and most of those are on streets with speed limits of 35 mph or less.

Sewer mains deemed to be at risk of failure or stoppage despite increased preventive maintenance, or identified as a source of infiltration or exfiltration, are identified for rehabilitation or replacement within an accelerated timeframe. Some damaged sewer mains can continue to provide reliable service with increased preventive maintenance; however, would be scheduled for rehabilitation or replacement in later years based on the extent of damage and potential for failure.

## **Water**

In 2020, the district implemented a capital planning process based on a variety of factors. The goal of the process is to prioritize the replacement of water mains over a ten-year period. This process includes the ability to group multiple segments of pipe located along the same street as projects and rank them against each other. Co-located priority segments become one large project and those with higher priority segments are recommended for replacement on a more aggressive schedule.

### **Performance Score (Likelihood of Failure)**

To begin with, a performance score is calculated for each segment using known pipe characteristics including those listed in the following table.

|                 |                                                                                                                                                                                                                                                                                                                                                 |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Age of pipe     | The score assigned to each segment is based upon the following age ranges: <ul style="list-style-type: none"><li>• 0-10 years old – 1 point</li><li>• 11-30 years old – 2 points</li><li>• 31-50 years old – 3 points</li><li>• 51-58 years old – 4 points</li><li>• 59 and older – 5 points</li></ul>                                          |
| Type of pipe    | Each type of pipe is assigned a score, which is based on the likelihood of failure. A higher number means it is more likely for that pipe material to fail: <ul style="list-style-type: none"><li>• cast iron (CIP) – 5 points</li><li>• ductile iron, asbestos-cement, steel – 3 points</li><li>• polyvinyl chloride (PVC) – 1 point</li></ul> |
| Number of leaks | Each segment is assigned a score based on the number of failures on that segment: <ul style="list-style-type: none"><li>• no failures – 0 points</li><li>• 1 failure – 2 points</li><li>• 2 failures – 3 points</li><li>• 3 failures – 4 points</li><li>• 4 or more failures – 5 points</li></ul>                                               |

An overall Performance score is then calculated for each segment with the number of leaks weighted at 40% of the total points and the age of pipe and pipe material equally weighted at 30% each.

### **Impact Score (Consequence of Failure)**

Next, a condition score is calculated for each segment. The condition score, which is defined as the result of a water main failing, is measured as the impact/significance on the distribution system, customers in the surrounding area, and the district. Every segment in the distribution system was reviewed by staff and given a CoF rating. This rating, which ranges from 1 to 5, increases as the impacts of the water main failure become more significant and costlier. Factors considered include:

- Number of units served – This is all customers served by that segment of water main, including residents, businesses, commercial entities, and municipal buildings.

- Number of critical customers or large businesses served – Critical customers include schools and universities, hospitals, assisted living facilities, senior centers, urgent care centers, fire stations, and other locations that provide a vital public service. Large businesses affected by a potential break include strip malls and shopping centers as well as stand-alone businesses.
- Cost to repair – The cost to repair will typically be between \$6,000 and \$10,000 (rated a 3 out of 5) but variances such as depth of the main, difficult access, and size of break can impact the rating.
- Time to repair – The time to repair will most typically be 4 to 6 hours (rated a 2 out of 5) but variables such as ease of access to the break area and/or complexity of the break are also considered.
- Other factors – Other factors can include environmental impacts (a flowing break near a river/lake), potential flooding of nearby customers property, a potential break on a major thoroughfare or the only road to an area or critical customer, potential impacts to critical customers (as noted above), or other circumstances that would make a break repair more difficult, costly, and/or impactful to customers.

An overall impact score is then calculated for each segment.

#### Overall Score

An overall score (based on a maximum of 100 points) is calculated for each segment as follows:

$$\text{Overall Score} = [ (\text{Performance Score}) \times 3 + (\text{Impact Score}) ] \times 5$$

An example of the application of the pipe evaluation rating system follows:

A cast iron pipe installed in 1977 with three failure and a condition rating of 3.2 receives an overall score as calculated below:

|                                                                            |          |
|----------------------------------------------------------------------------|----------|
| Age of pipe                                                                | 3 points |
| Type of pipe                                                               | 5 points |
| Number of leaks                                                            | 4 points |
| Performance Score = $4 \times 0.40 + 3 \times 0.30 + 5 \times 0.30 = 4.00$ |          |
| Condition rating                                                           | 3.95     |
| Impact Score = 3.95                                                        |          |
| Total Score ( $4.00 \times 3 + 3.95$ ) $\times 5 = 79.75$                  |          |

Using the scores, a ranking list is developed of all the water mains in the distribution system. The top 200 most critical water mains were then grouped into projects based upon their location (i.e. all segments in the same street became one project) and combined Overall Score. This list became the starting point for the prioritization of the replacement and rehabilitation projects within the district. The projects were initially assigned to years based upon the current industry standard of replacing 1% of pipes per year. That list and mapping of projects was then evaluated for several additional factors including project proximity and total annual cost. In some cases, projects were moved up or down on the replacement schedule to obtain budget and/or construction efficiencies.

## 2.0 PROPOSED CAPITAL EXPENDITURES FOR 2027 - 2036

The annual asset evaluation process results in the addition and rescheduling of several capital projects from the previous ten-year capital plan. These fluctuations in project scheduling are expected due to the timing, type and number of water and sewer main failures, and the criticality of each asset determines the priority for rehabilitation or replacement.

Additional infrastructure improvements are required beyond the current ten-year planning period, so a 30-year infrastructure rehabilitation and replacement plan is also prepared. This plan is used as a planning tool to reflect the long-range facility improvements and financial needs of the district.

The 2027-2036 Capital Master Plan includes 27 water main replacement projects and three (3) sewer rehabilitation projects with planned expenditures of \$21,581,769 during the ten-year period. Water main replacement projects account for 88% of the total proposed expenditures with sewer rehabilitation projects accounting for the remaining 12%.

### 2.1 WATER FACILITIES

The district periodically reviews and updates a water facility master plan to confirm that all areas of the district's service area can be adequately served with the existing water storage, pumping and transmission facilities. No facilities in the replacement/rehabilitation schedule need to be expanded capacity to serve new development. Existing district facilities are adequate to serve all anticipated development within the district's ultimate service area.

### 2.2 WATER MAINS

One water main replacement project is scheduled for 2027. This project includes the replacement of 2,500 linear feet of cast iron pipe located in Santa Fe Drive (installed in 1970). This project relocates a critical water main out of the heavily traveled southbound lanes and is complicated by the tight utility corridor located on the west side of the roadway.

An additional 26 water main replacement projects are scheduled for construction between 2028 and 2036, which represents the replacement of 24,935 feet of pipe.

The projected replacement cost for all 27 capital projects scheduled from 2027 to 2036 is \$17,371,924. This includes the cost of construction and a 20% construction contingency for each project. The type and size of the pipe scheduled for replacement is shown the following table.

| Size    | Cast Iron Pipe | Asbestos Cement Pipe | Ductile Iron Pipe |
|---------|----------------|----------------------|-------------------|
| 4-inch  | 291 feet       | 0 feet               | 0 feet            |
| 6-inch  | 0 feet         | 7,638 feet           | 2,623 feet        |
| 8-inch  | 0 feet         | 8,996 feet           | 588 feet          |
| 12-inch | 900 feet       | 566 feet             | 244 feet          |
| 16-inch | 5,589 feet     | 0 feet               | 0 feet            |

From 2027 to 2036, an additional \$1,601,607 is budgeted for capital project engineering costs. If not already contracted, these costs are projected at 10% of anticipated construction costs and may be partially budgeted in the year prior to when construction is planned. This allows the district to have projects designed and ready for bidding prior to the start of the construction season.

Both construction (with contingency) and engineering costs are inflated at 3.28% per year using the ten-year average of the Engineering News Record Construction Cost Index.

In total, the water main replacement projects in the 2027-2036 Capital Master Plan replace of 27,435 feet of pipe. This results in a replacement rate of 0.7% over the ten year period, which is less than the sector's best practice of replacing 1.0% of water main assets per year. The replacement rate is expected to increase in the 20-year planning period due to assets reaching the end of their useful life during that timeframe.

### **2.3 SANITARY SEWERS**

The district's sewer transmission (interceptor) network is extensive and serves a significant area outside of the District including Ken Caryl Ranch and Grant Water and Sanitation Districts, Meadowbrook-Fairview Metropolitan District, and portions of the Platte Canyon and Columbine Water and Sanitation Districts, and the City of Littleton. Replacement or rehabilitation of these sewers has cost millions of dollars and has extended the useful life of the backbone sewer infrastructure by 50 years.

Using the Info360 Asset software, a risk analysis was performed for every segment in the district's collection system. A likelihood of failure (LoF) and consequence of failure (CoF) was calculated for each sewer asset, which then fed into an overall risk score equation. The result of this process is a rating that classifies the criticality of each segment from negligible to extreme. The mileage in each category is depicted in the table below:

| Rating     | Color | Linear Feet (mi.) | % of System |
|------------|-------|-------------------|-------------|
| Extreme    |       | 803               | 0.09%       |
| High       |       | 50,940 (9.65)     | 5.91%       |
| Medium     |       | 104,180 (19.7)    | 12.1%       |
| Low        |       | 156,878 (29.7)    | 18.2%       |
| Negligible |       | 549,659 (104)     | 63.7%       |

Of the sewer mains rated as high or medium risk, those are mostly constructed of vitrified clay pipe (VCP) or similar material. Between these segments and some rated as low priority, the total mileage of VCP in the district sewer system is 25.8 miles (~16% of the system). It should be noted that all of the original unlined large diameter sewer interceptors are VCP. These interceptors range from 10" to 21" in diameter.

13.6% of the sewer system was installed before 1975, with most of the interceptors that have not yet been lined falling into that timeframe. The lifespan of VCP is anywhere from 50 to 100 years, and, in the district's service area, there are some instances where VCP is impacted by expansive soils but it is not as widespread as what is observed in neighboring districts (PC, Bow Mar, Valley). The expansive soils impact a pipe's structural integrity by creating cracks through which tree roots

penetrate. These roots infiltrate the sewer mains, increasing the risk of sewer backups or blockages and requiring regularly scheduled root cutting activities to prevent this from occurring. If the roots are severe enough, root treatment tasks are scheduled where those roots are treated with metam sodium to prevent growth. These preventative maintenance activities are time consuming and, for the chemical application tasks, hazardous to the operators' health and require specialized licensing to conduct.

With this information, a multi-year proactive sewer rehabilitation program was developed to focus on the currently unlined sewer interceptors as those were identified as the most critical segments in the district's wastewater asset inventory. The rehabilitation method would be the Cured-In-Place Pipe (CIPP) method. Each project would also include rehabilitation of the existing manholes in those selected segments. As such, the following project schedule is suggested:

| <b>Date</b> | <b>Location</b>                           | <b>Installation Date</b> | <b>Length of Pipe</b> | <b>Number of Manholes</b> | <b>Project Cost</b> |
|-------------|-------------------------------------------|--------------------------|-----------------------|---------------------------|---------------------|
| 2029        | B-Line                                    | 1977                     | 6,532                 | 35                        | \$849,202           |
| 2033        | Upstream reach of Columbine Interceptor   | 1978                     | 12,234                | 58                        | \$1,759,036         |
| 2037        | Downstream reach of Columbine Interceptor | 1976                     | 8,889                 | 34                        | \$2,276,195         |
| 2041        | C-Line                                    | 1978                     | 7,121                 | 32                        | \$1,895,171         |

Of the four interceptor projects, the B-Line has the greatest percentage of high-risk segments, with the remaining segments rated as medium. The upstream reach of the Columbine Interceptor is the next most critical, followed by the downstream reach of that interceptor. Finally, the C-Line has a few segments identified as high risk, but the majority are currently ranked as medium or low risk. However, by 2040 that interceptor will be 62 years old and within the timeframe for expiration of its useful life. These are some of the older pipes in the district and transmit significant amounts of wastewater from customers both inside and outside the district. The location of these interceptors within natural-area easements and through dense neighborhoods also increases the potential environmental and personal property impacts of a sewer overflow.

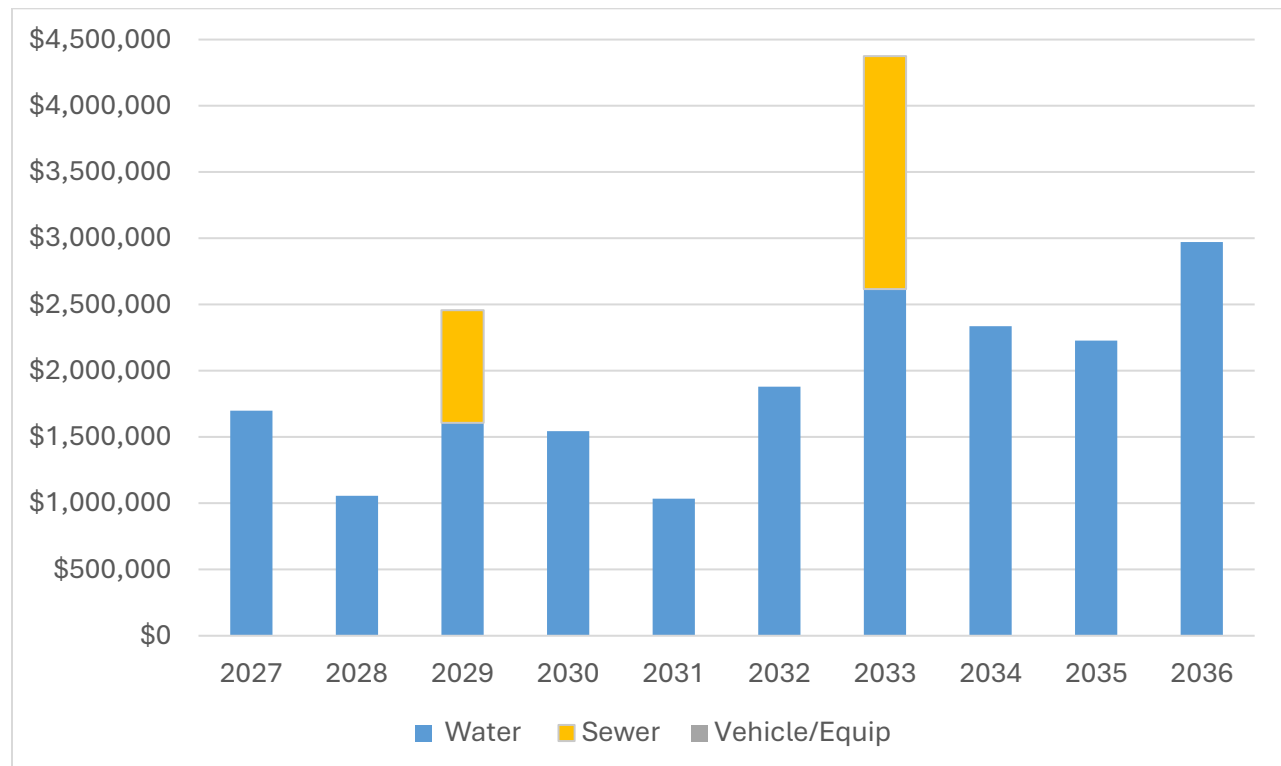
It should be noted that Meadowbrook-Fairview Metropolitan District (MFMD) shares in any capital and O&M costs associated with the B-Line and the downstream reach of the Columbine Interceptor. That cost share is approximately 20% of the B-Line and ranges from 8.9-9.9% for the Columbine Interceptor. The schedule allows MFMD time to budget funds for this project.

For now, there are no recommendations for rehabilitation projects to smaller diameter sewer mains in some of the neighborhoods like Columbine Knolls, Columbine West, Woodmar Square or Kipling Villas. While there are sewer mains in those areas that require increased O&M activities, the pipe condition is still considered acceptable for VCP. Routine CCTV inspections will continue on these mains and additional evaluations will occur each year to determine if additional roots are present or if there are changes to the structural integrity of those sewer mains. Should that happen, staff will recommend additional CIPP projects to be included in the district's capital plan.

## 2.4 SUMMARY OF ALL CAPITAL EXPENDITURES

The following table and chart summarize the costs associated with the capital projects proposed from 2027 through 2036. The district currently has sufficient financial resources to complete all projects proposed in this Plan. Annual increases are proposed in the district's water and sewer service fee which is billed by Denver Water on customer water bills. Future adjustments will enable the matching of operating revenue with operating costs and avoid depleting capital reserves.

| Year         | Water               | Sewer              | Vehicle/Equip. | Totals              |
|--------------|---------------------|--------------------|----------------|---------------------|
| 2027         | \$1,697,697         | \$0                | \$0            | \$1,697,697         |
| 2028         | \$1,055,905         | \$0                | \$0            | \$1,055,905         |
| 2029         | \$1,608,022         | \$849,202          | \$0            | \$2,457,224         |
| 2030         | \$1,544,211         | \$0                | \$0            | \$1,544,211         |
| 2031         | \$1,035,359         | \$0                | \$0            | \$1,035,359         |
| 2032         | \$1,880,920         | \$0                | \$0            | \$1,880,920         |
| 2033         | \$2,615,728         | \$1,759,036        | \$0            | \$4,374,763         |
| 2034         | \$2,337,431         | \$0                | \$0            | \$2,337,431         |
| 2035         | \$2,226,661         | \$0                | \$0            | \$2,226,661         |
| 2036         | \$2,971,599         | \$0                | \$0            | \$2,971,599         |
| <b>TOTAL</b> | <b>\$18,973,531</b> | <b>\$2,608,238</b> | <b>\$0</b>     | <b>\$21,581,769</b> |



## **SECTION 3.0**

### **WATER DISTRIBUTION AND WASTEWATER COLLECTION FACILITY REHABILITATION AND REPLACEMENT PROJECTS SCHEDULED FOR 2027 - 2036**

## 2027 Capital Improvement Projects

### Water

| Project | Subdivision | Location                                                                      | Description                                                        | Pipe Age (yrs) | COST         |                   |                   |                    |
|---------|-------------|-------------------------------------------------------------------------------|--------------------------------------------------------------------|----------------|--------------|-------------------|-------------------|--------------------|
|         |             |                                                                               |                                                                    |                | Construction | Contingency (20%) | Engineering (10%) | TOTAL              |
| 27-1W   | N/A         | S. Santa Fe Dr. from S. Wolhurst Dr. to a point south of the culvert crossing | Replace 2,500 feet of 16-inch cast iron pipe with 16-inch PVC pipe | 57             | \$1,187,500  | \$237,500         | \$272,697         | <b>\$1,697,697</b> |

### Sewer

No projects scheduled.

# PROJECT C.I.P. 27-1W

## W. SANTA FE DR.- N. OF C-470 WATER MAIN REPLACEMENT



## 2028 Capital Improvement Projects

### Water

| Project | Subdivision       | Location                                                                          | Description                                                                                        | Pipe Age<br>(yrs) | COST         |                      |                      |                  |
|---------|-------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-------------------|--------------|----------------------|----------------------|------------------|
|         |                   |                                                                                   |                                                                                                    |                   | Construction | Contingency<br>(20%) | Engineering<br>(10%) | TOTAL            |
| 28-1W   | Kipling Villas    | W. Arbor Drive from S. Everett Ct. to W. Arbor Ave. including the two cul-de-sacs | Replace 291 feet of 4-inch CIP with 4-inch PVC; replace 375 feet of 6-inch AC pipe with 6-inch PVC | 53                | \$275,138    | \$55,028             | \$27,514             | <b>\$357,679</b> |
| 28-2W   | Lexington Village | Lexington Way from end of water main to branch line from S. Garland Way           | Replace 352 feet of 8-inch ductile iron pipe with 8-inch PVC pipe                                  | 43                | \$154,621    | \$30,924             | \$15,462             | <b>\$201,007</b> |
| 28-3W   | N/A               | Old Coal Mine Ave. from church connection to S. Kipling St.                       | Replace 780 feet of 16-inch cast iron pipe with 16-inch PVC pipe                                   | 53                | \$382,476    | \$76,495             | \$38,248             | <b>\$497,219</b> |

### Sewer

No projects scheduled.

# PROJECT C.I.P. 28-1W

## W. ARBOR DR./ EVERETT CT. WATER MAIN REPLACEMENT



# PROJECT C.I.P. 28-2W

## LEXINGTON WAY WATER MAIN REPLACEMENT



# PROJECT C.I.P. 28-3W

## OLD COAL MINE AVE. WATER MAIN REPLACEMENT



## 2029 Capital Improvement Projects

### Water

| Project | Subdivision      | Location                                                                       | Description                                                            | Pipe Age (yrs) | COST         |                   |                   |                  |
|---------|------------------|--------------------------------------------------------------------------------|------------------------------------------------------------------------|----------------|--------------|-------------------|-------------------|------------------|
|         |                  |                                                                                |                                                                        |                | Construction | Contingency (20%) | Engineering (10%) | TOTAL            |
| 29-1W   | Woodmar Square   | W. Walker Drive from W. Hoover Pl. to S. Yukon St. and including S. Xephyr Ct. | Replace 1,496 feet of 6-inch asbestos cement pipe with 6-inch PVC pipe | 47             | \$638,359    | \$127,672         | \$63,836          | <b>\$829,866</b> |
| 29-2W   | Kipling Villas   | W. Fair Drive from                                                             | Replace 1,028 feet of 6-inch asbestos cement pipe with 6-inch PVC pipe | 53             | \$438,553    | \$87,711          | \$43,855          | <b>\$570,119</b> |
| 29-3W   | Mountain Heights | Roadway (Everett Way)                                                          | Replace 554 feet of 8-inch asbestos cement pipe with 8-inch PVC pipe   | 43             | \$160,028    | \$32,006          | \$16,003          | <b>\$208,036</b> |

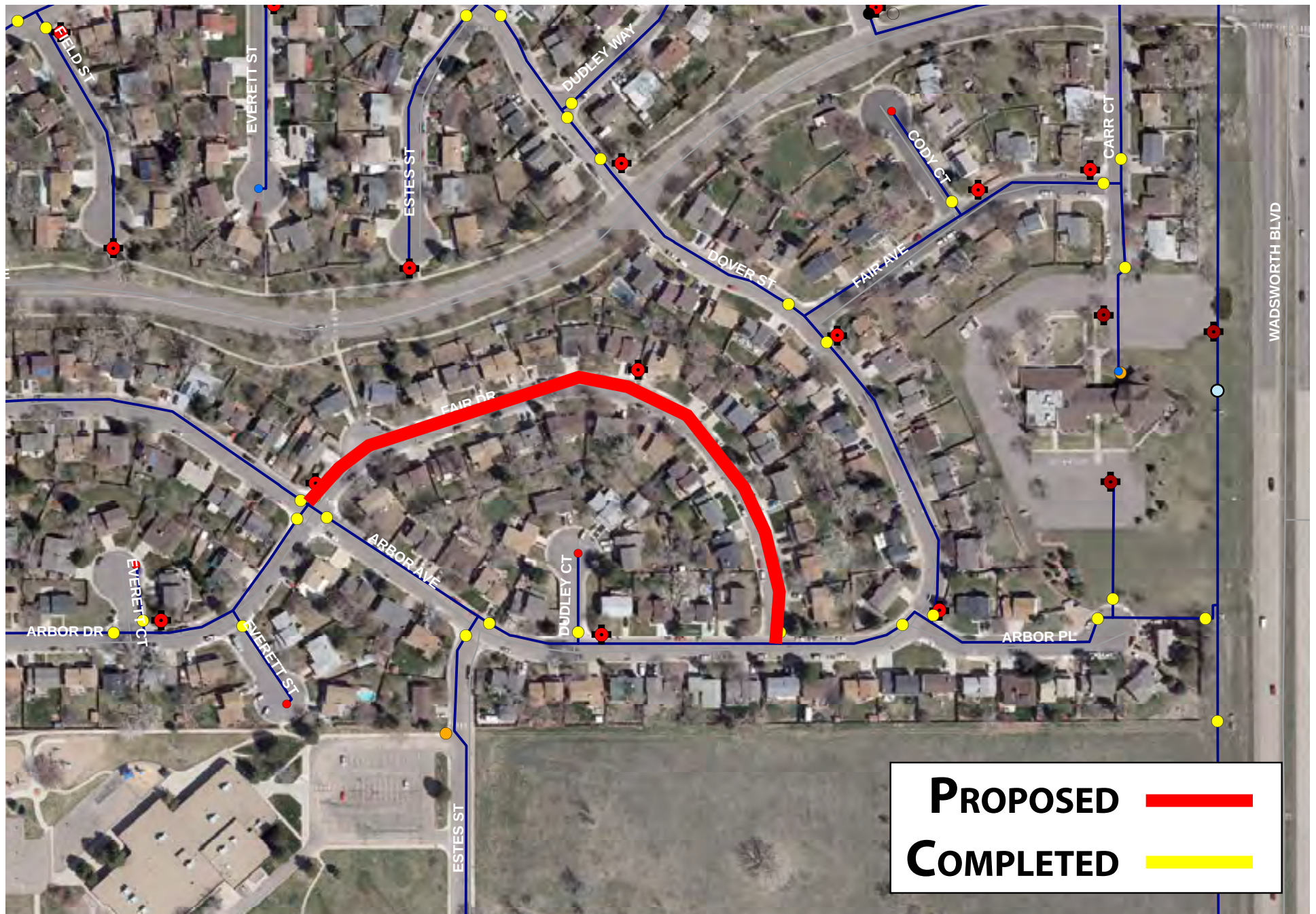
### Sewer

| Project | Location                              | Description                                                    | Pipe Age (yrs) | COST         |                   |                   |                  |
|---------|---------------------------------------|----------------------------------------------------------------|----------------|--------------|-------------------|-------------------|------------------|
|         |                                       |                                                                |                | Construction | Contingency (20%) | Engineering (10%) | TOTAL            |
| 29-1S   | B-Line Interceptor (MH CI-34 to B-37) | CIPP lining of 6,532 feet of 12-inch VCP and rehab 35 manholes | 50             | \$653,323    | \$130,646         | \$65,323          | <b>\$829,866</b> |

[illegible]

# PROJECT C.I.P. 29-2W

## W. FAIR DRIVE WATER MAIN REPLACEMENT



# PROJECT C.I.P. 29-3W

## ROADWAY (EVERETT WAY) WATER MAIN REPLACEMENT



# PROJECT C.I.P 29-1S

## B-LINE SEWER INTERCEPTOR REHABILITATION



## 2030 Capital Improvement Projects

### Water

| Project | Subdivision     | Location                                                             | Description                                                            | Pipe Age (yrs) | COST         |                   |                   |                  |
|---------|-----------------|----------------------------------------------------------------------|------------------------------------------------------------------------|----------------|--------------|-------------------|-------------------|------------------|
|         |                 |                                                                      |                                                                        |                | Construction | Contingency (20%) | Engineering (10%) | TOTAL            |
| 30-1W   | Woodmar Village | W. Euclid Pl. from S. Dover Way to S. Peakview Dr.                   | Replace 1,264 feet of 8-inch asbestos cement pipe with 8-inch PVC pipe | 54             | \$591,813    | \$118,363         | \$59,181          | <b>\$769,357</b> |
| 30-2W   | Woodmar Village | S. Cody Way and S. Dudley Way from W. Weaver Ave. to W. Peakview Dr. | Replace 1,273 feet of 8-inch asbestos cement pipe with 8-inch PVC pipe | 54             | \$596,041    | \$119,208         | \$59,604          | <b>\$774,854</b> |

### Sewer

No projects scheduled.



# PROJECT C.I.P. 30-2W

## S. CODY WAY/ S. DUDLEY WAY WATER MAIN REPLACEMENT



## 2031 Capital Improvement Projects

### Water

| Project | Subdivision     | Location                                          | Description                                                            | Pipe Age<br>(yrs) | COST         |                      |                      |                    |
|---------|-----------------|---------------------------------------------------|------------------------------------------------------------------------|-------------------|--------------|----------------------|----------------------|--------------------|
|         |                 |                                                   |                                                                        |                   | Construction | Contingency<br>(20%) | Engineering<br>(10%) | TOTAL              |
| 31-1W   | Woodmar Village | S. Estes Street from Arbor Ave. to Peakview Drive | Replace 1,647 feet of 8-inch asbestos cement pipe with 8-inch PVC pipe | 54                | \$796,430    | \$159,286            | \$79,643             | <b>\$1,035,359</b> |

### Sewer

No projects scheduled.

[illegible]

## 2032 Capital Improvement Projects

### Water

| Project | Subdivision  | Location                                                                  | Description                                                          | Pipe Age<br>(yrs) | COST         |                      |                      |                  |
|---------|--------------|---------------------------------------------------------------------------|----------------------------------------------------------------------|-------------------|--------------|----------------------|----------------------|------------------|
|         |              |                                                                           |                                                                      |                   | Construction | Contingency<br>(20%) | Engineering<br>(10%) | TOTAL            |
| 32-1W   | Powderhorn   | S. Oak Way from W. Caley Ave. north to the fire hydrant                   | Replace 235 feet of 8-inch ductile iron pipe with 8-inch PVC pipe    | 39                | \$117,515    | \$23,503             | \$11,751             | <b>\$152,769</b> |
| 32-2W   | Meadows      | S. Hoyt Court from David Place to David Ave.                              | Replace 244 feet of 12-inch DIP with 12" PVC pipe                    | 49                | \$129,001    | \$25,800             | \$12,900             | <b>\$167,702</b> |
| 32-3W   | Powderhorn   | W. Brittany Dr. and S. Quail Way from S. Pierson St. to W. Capri Ave.     | Replace 11216 feet of 6-inch ductile iron pipe with 6-inch PVC pipe  | 42                | \$571,577    | \$114,315            | \$57,158             | <b>\$743,050</b> |
| 32-4W   | Williamsburg | W. Nova Ave. cul-de-sac off S. Jellison St.                               | Replace 478 feet of 6-inch asbestos cement pipe with 6-inch PVC pipe | 49                | \$224,640    | \$44,928             | \$22,464             | <b>\$292,032</b> |
| 32-5W   | N/A          | W. Coal Mine Ave. from Independence Street to a point west of Holland Way | Replace 724 feet of 16-inch cast iron pipe with 16-inch PVC pipe     | 53                | \$404,128    | \$80,826             | \$40,413             | <b>\$525,367</b> |

### Sewer

No projects scheduled.

# PROJECT C.I.P. 32-1W

## S. OAK WAY WATER MAIN REPLACEMENT



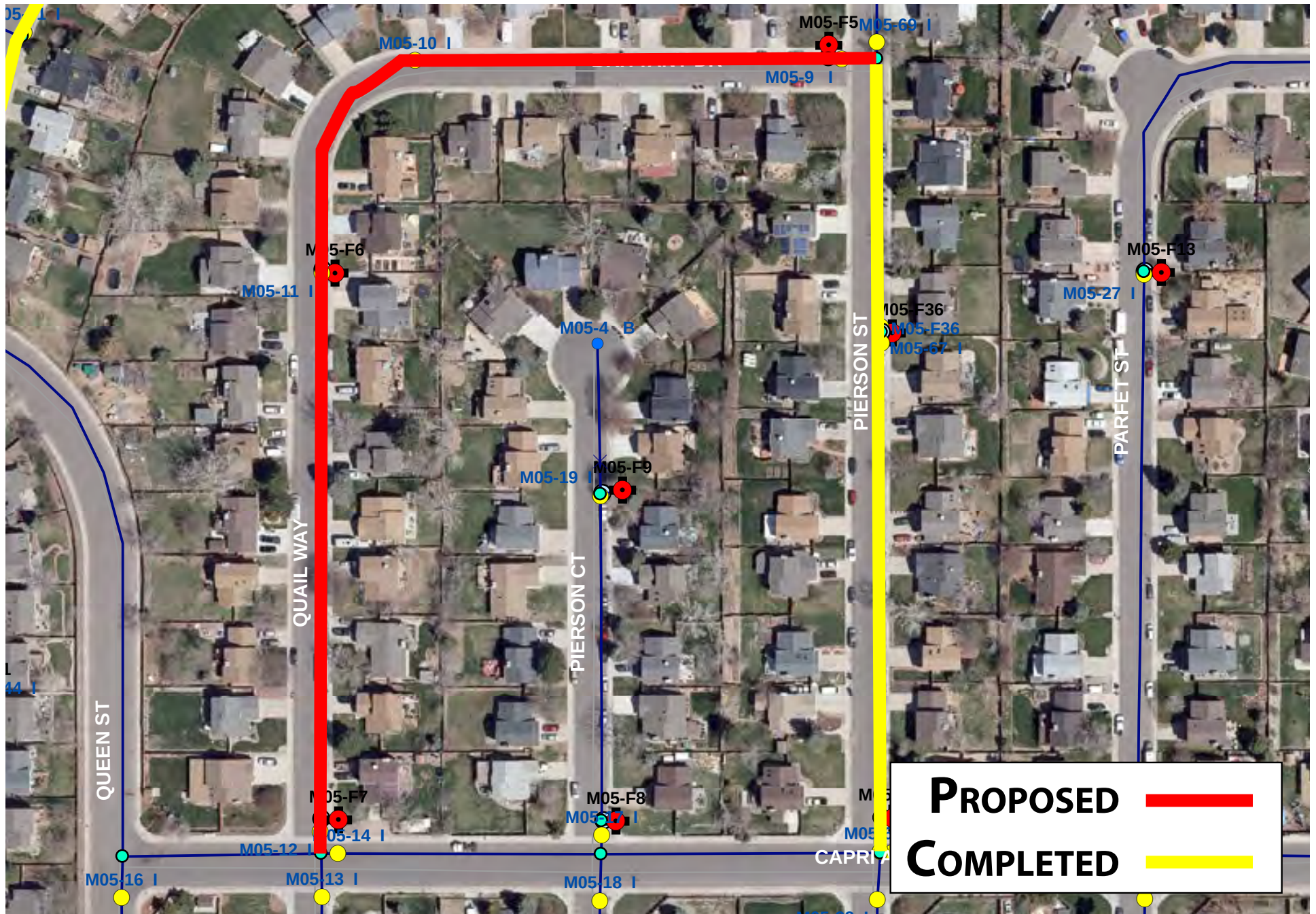
# PROJECT C.I.P. 32-2W

## S. HOYT CT. WATER MAIN REPLACEMENT



# PROJECT C.I.P. 32-3W

## W. BRITTANY DR. WATER MAIN REPLACEMENT

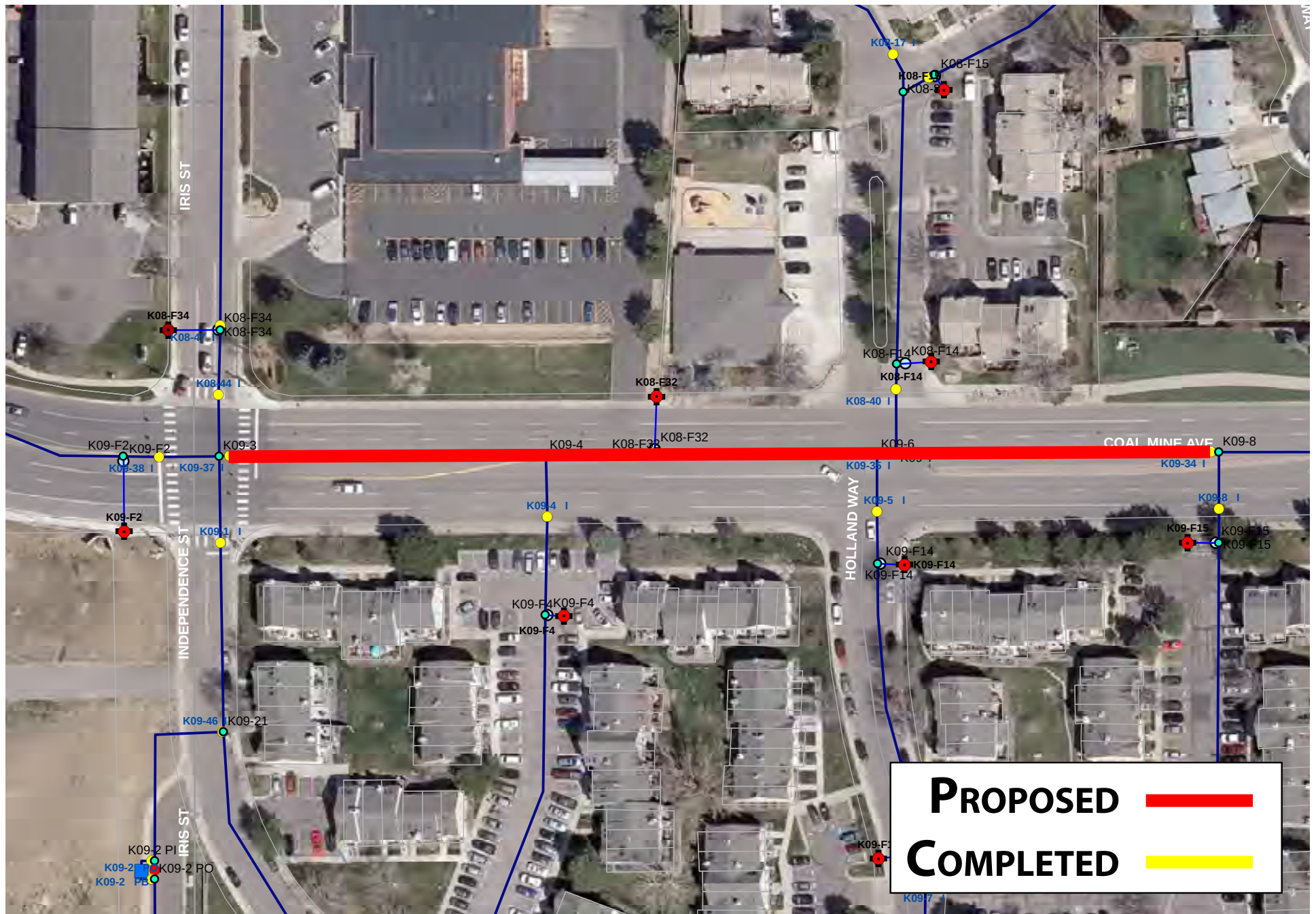


# PROJECT C.I.P. 32-4W

## W. NOVA AVE. WATER MAIN REPLACEMENT



PROJECT C.I.P. 32-5W  
W. COAL MINE AVE. WATER MAIN REPLACEMENT



## 2033 Capital Improvement Projects

### Water

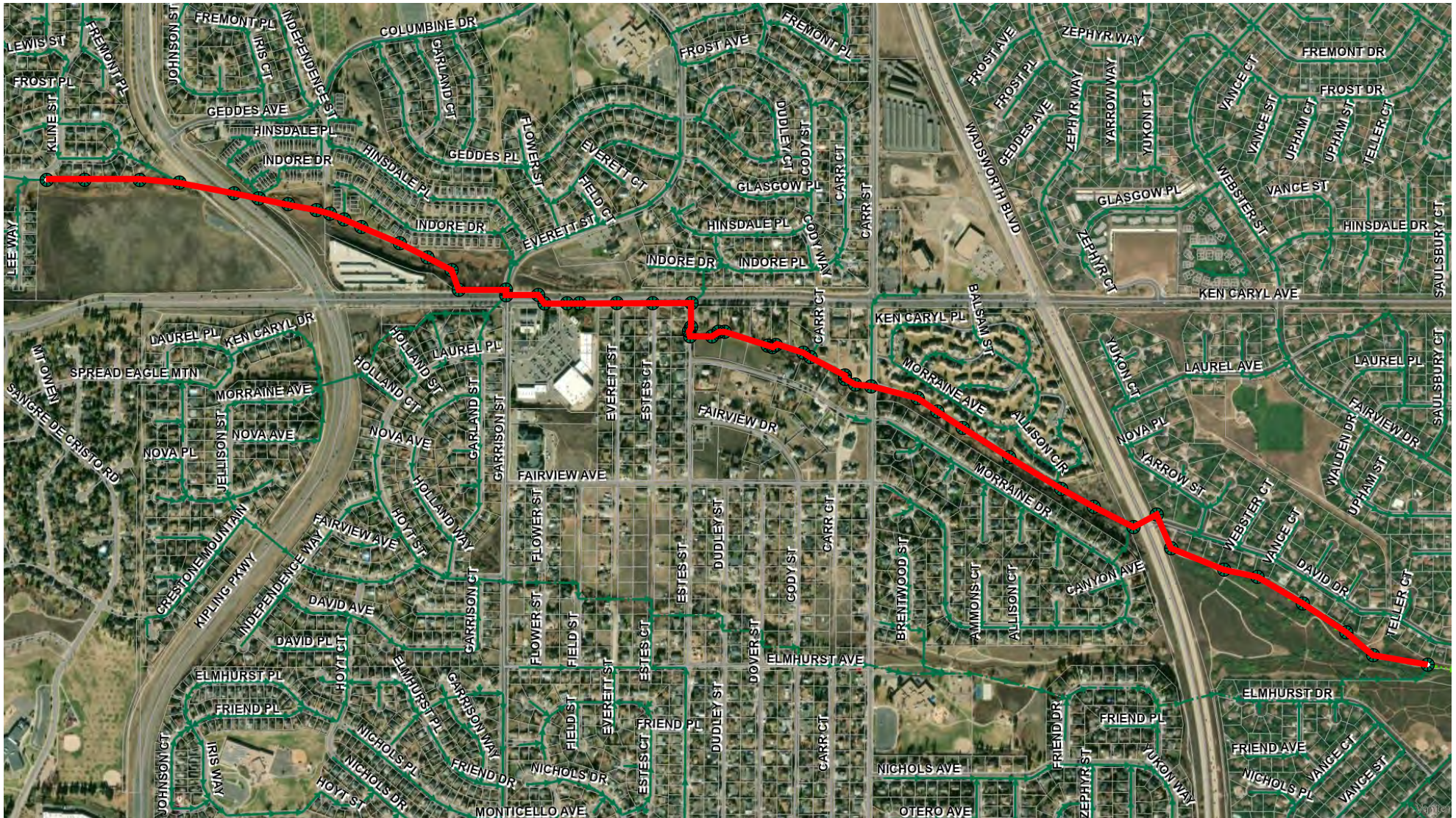
| Project | Subdivision | Location                                                                                   | Description                                                                                                                                                                  | Pipe Age<br>(yrs) | COST         |                      |                      |                    |
|---------|-------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--------------|----------------------|----------------------|--------------------|
|         |             |                                                                                            |                                                                                                                                                                              |                   | Construction | Contingency<br>(20%) | Engineering<br>(10%) | TOTAL              |
| 33-1W   | N/A         | C470 Crossing at S. Santa Fe Dr. from SE corner of the Wolhurst community to Blakeland Dr. | Replace 900 feet of 12-inch cast iron pipe with 12-inch PVC pipe; replace 1,585 feet of 16-inch cast iron pipe with 16-inch PVC pipe; includes a directional bore under C470 | 57                | \$2,012,098  | \$402,420            | \$201,210            | <b>\$2,615,728</b> |

### Sewer

| Project | Location                                  | Description                                                                                                          | Pipe Age<br>(yrs) | COST         |                      |                      |                    |
|---------|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------|-------------------|--------------|----------------------|----------------------|--------------------|
|         |                                           |                                                                                                                      |                   | Construction | Contingency<br>(20%) | Engineering<br>(10%) | TOTAL              |
| 33-1S   | Columbine Interceptor (MH CI-34 to CI-74) | CIPP lining of 3,329 feet of 10-inch VCP, 6,630 feet of 12-inch VCP, 2,365 feet of 15-inch VCP and rehab 58 manholes | 49                | \$1,353,105  | \$270,621            | \$135,310            | <b>\$1,771,270</b> |

PROJECT C.I.P 33-1S

# COLUMBINE SEWER INTERCEPTOR REHABILITATION



**PROPOSED** ————

# C470 CROSSING AT SANTA FE DR. WATER MAIN REPLACEMENT



## 2034 Capital Improvement Projects

### Water

| Project | Subdivision     | Location                                                            | Description                                                          | Pipe Age (yrs) | COST         |                   |                   |                  |
|---------|-----------------|---------------------------------------------------------------------|----------------------------------------------------------------------|----------------|--------------|-------------------|-------------------|------------------|
|         |                 |                                                                     |                                                                      |                | Construction | Contingency (20%) | Engineering (10%) | TOTAL            |
| 34-1W   | Powderhorn      | S. Parfet Street from W. Fair Ave. to W. Capri Ave.                 | Replace 724 feet of 6-inch ductile iron pipe with 6-inch PVC pipe    | 39             | \$363,195    | \$72,639          | \$36,320          | <b>\$472,154</b> |
| 34-2W   | Powderhorn      | W. Brittany Drive from S. Oak Way to north hydrant on S. Parfet St. | Replace 683 feet of 6-inch ductile iron pipe with 6-inch PVC pipe    | 42             | \$342,363    | \$68,473          | \$34,236          | <b>\$445,071</b> |
| 34-3W   | Woodmar Square  | S. Yarrow Way                                                       | Replace 963 feet of 6-inch asbestos cement pipe with 6-inch PVC pipe | 47             | \$482,836    | \$96,567          | \$48,284          | <b>\$627,687</b> |
| 34-4W   | Kipling Villas  | S. Dover Street                                                     | Replace 554 feet of 8-inch asbestos cement pipe with 8-inch PVC pipe | 53             | \$295,129    | \$59,026          | \$29,513          | <b>\$383,668</b> |
| 34-5W   | Woodmar Village | S. Field Court from Euclid Ave to end of cul-de-sac                 | Replace 292 feet of 6-inch asbestos cement pipe with 6-inch PVC pipe | 54             | \$146,420    | \$29,284          | \$14,642          | <b>\$190,346</b> |
| 34-6W   | Woodmar Village | S. Dudley Way from Peakview Drive to end of cul-de-sac              | Replace 335 feet of 6-inch asbestos cement pipe with 6-inch PVC pipe | 54             | \$168,080    | \$33,616          | \$16,808          | <b>\$218,504</b> |

### Sewer

No projects scheduled.

The map shows a residential area with several streets labeled: PIERSON CT, CAPRI AVE, PARFET ST, OWENS CT, OAK WAY, FAIR AVE, and OAK ST. A red line runs vertically along Parfet St, indicating a proposed bus route. Yellow dots are placed at various locations along the streets, indicating completed bus stops. The legend in the bottom right corner shows a red line for 'PROPOSED' and a yellow line for 'COMPLETED'.

# PROJECT C.I.P. 34-2W

## W. BRITTANY DR. WATER MAIN REPLACEMENT



**PROPOSED** ———

**COMPLETED** ———

**PROPOSED** 

**COMPLETED** 

# PROJECT C.I.P. 34-4W

## S. DOVER STREET WATER MAIN REPLACEMENT



# PROJECT C.I.P. 34-5W

## S. FIELD CT. WATER MAIN REPLACEMENT



# PROJECT C.I.P. 34-6W

## S. DUDLEY WAY WATER MAIN REPLACEMENT



## 2035 Capital Improvement Projects

### Water

| Project | Subdivision               | Location                                                                   | Description                                                                      | Pipe Age<br>(yrs) | COST         |                      |                      |                  |
|---------|---------------------------|----------------------------------------------------------------------------|----------------------------------------------------------------------------------|-------------------|--------------|----------------------|----------------------|------------------|
|         |                           |                                                                            |                                                                                  |                   | Construction | Contingency<br>(20%) | Engineering<br>(10%) | TOTAL            |
| 35-1W   | N/A                       | W. Bowles Ave.<br>from S. Estes St. to<br>a point north of S.<br>Dover Ct. | Replace 566 feet of<br>12-inch asbestos<br>cement pipe with 12-<br>inch PVC pipe | 47                | \$329,684    | \$65,937             | \$32,968             | <b>\$428,589</b> |
| 35-2W   | Woodmar<br>Square         | S. Balsam Court                                                            | Replace 675 feet of 6-<br>inch asbestos<br>cement pipe with 6-<br>inch PVC pipe  | 52                | \$349,537    | \$69,907             | \$34,954             | <b>\$454,399</b> |
| 35-3W   | Columbine<br>Knolls South | W. Nova Drive                                                              | Replace 959 feet of 6-<br>inch asbestos<br>cement pipe with 6-<br>inch PVC pipe  | 52                | \$496,602    | \$99,320             | \$49,660             | <b>\$645,583</b> |
| 35-4W   | Woodmar<br>Square         | S. Allison Court                                                           | Replace 1,037 feet of<br>6-inch asbestos<br>cement pipe with 6-<br>inch PVC pipe | 52                | \$536,993    | \$107,399            | \$53,699             | <b>\$698,091</b> |

### Sewer

No projects scheduled.

# PROJECT C.I.P. 35-1W

## W. BOWLES AVE. WATER MAIN REPLACEMENT



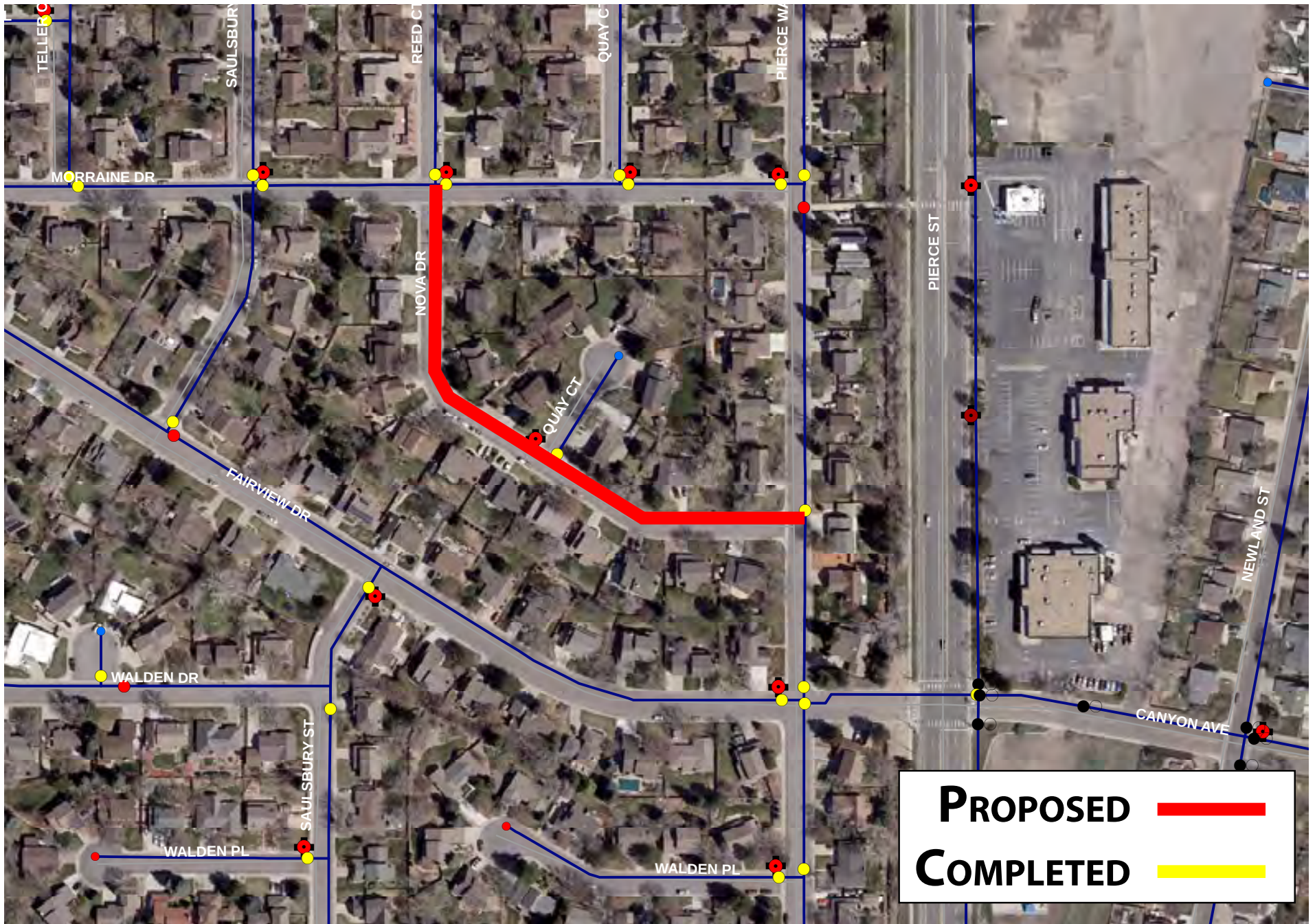
# PROJECT C.I.P. 35-2W

## S. BALSAM COURT WATER MAIN REPLACEMENT



# PROJECT C.I.P. 35-3W

## W. NOVA DRIVE WATER MAIN REPLACEMENT



# PROJECT C.I.P. 35-4W

## S. ALLISON STREET WATER MAIN REPLACEMENT



## 2036 Capital Improvement Projects

### Water

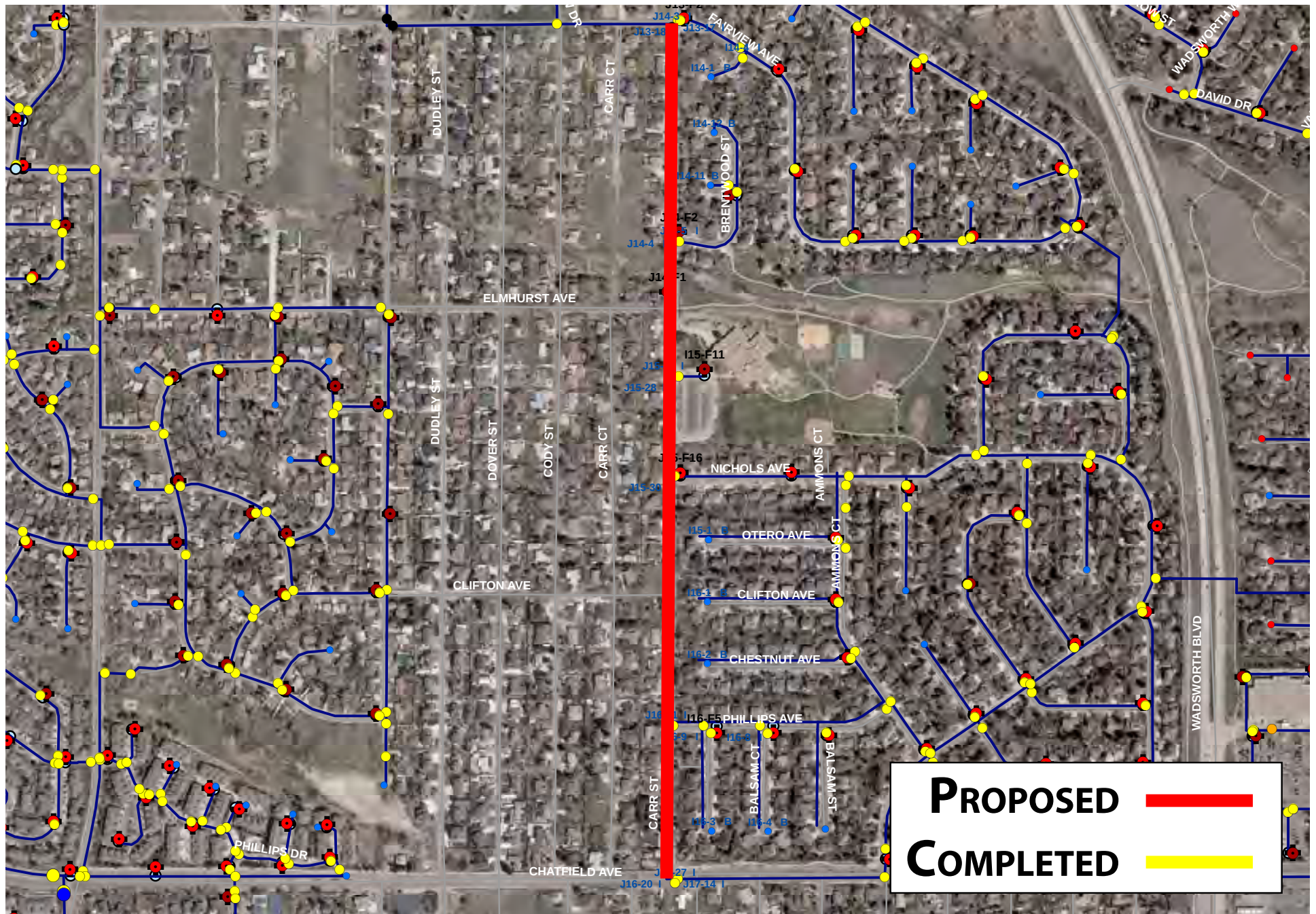
| Project | Subdivision | Location                                                           | Description                                                                       | Pipe Age<br>(yrs) | COST         |                      |                      |                    |
|---------|-------------|--------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------|--------------|----------------------|----------------------|--------------------|
|         |             |                                                                    |                                                                                   |                   | Construction | Contingency<br>(20%) | Engineering<br>(10%) | TOTAL              |
| 36-1W   | N/A         | S. Carr Street<br>from W. Fairview<br>Ave. to W.<br>Chatfield Ave. | Replace 3,905 feet of 8-<br>inch asbestos cement<br>pipe with 16-inch PVC<br>pipe | 68                | \$2,285,846  | \$457,169            | \$228,585            | <b>\$2,971,599</b> |

### Sewer

No projects scheduled.

# PROJECT C.I.P. 36-1W

## S. CARR ST. WATER MAIN REPLACEMENT



## SECTION 4

### SUMMARY OF COMPLETED WATER AND WASTEWATER SYSTEM EXPANSION AND REHABILITATION/REPLACEMENT PROJECTS

|                              |                                                                                                                                                                                                                                    |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b><u>September 2026</u></b> | <b>Project CIP 25-1S</b><br>Install a parallel 36" sanitary sewer main along the D-line Interceptor from W. Mineral Ave. to connection at Aspen Grove (\$1,618,415.93)                                                             |
| <b><u>August 2025</u></b>    | <b>Project CIP 25-1W</b><br>Replaced 1,257 feet of 8-inch asbestos cement pipe with 8-inch PVC pipe in S. Cody Way from W. Peakview Dr. to S. Dover Way in the Woodmar Village Subdivision. (\$443,531.43)                         |
| <b><u>August 2025</u></b>    | <b>Project CIP 25-2W</b><br>Replaced 911 feet of 6-inch asbestos cement pipe with 6-inch PVC pipe in S. Everett Way from W. Peakview Dr. to S. Estes St. in the Woodmar Village Subdivision. (\$307,230.36)                        |
| <b><u>September 2024</u></b> | <b>Project CIP 24-1S</b><br>CIPP lined 66 feet of 8-inch concrete pipe in W. Peakview Dr. (Woodmar Square) and 274 feet of 10-inch concrete pipe located on the Columbine Interceptor. (\$30,852)                                  |
| <b><u>September 2022</u></b> | <b>Project CIP 22-1S</b><br>Replaced 227 feet of 8-inch SDR-35 PVC pipe with 8-inch SDR-35 PVC pipe. (\$190,551)                                                                                                                   |
| <b><u>September 2021</u></b> | <b>Project CIP 21-1S</b><br>Dutch Creek Interceptor Rehabilitation at W. Coal Mine Ave. (\$54,497)                                                                                                                                 |
| <b><u>September 2021</u></b> | <b>Project CIP 21-1W</b><br>Replaced 300 feet of 12-inch cast iron pipe with 300 feet of 12-inch PVC pipe in S. Holland Way from S. Garland Street to S. Garland Court. This project also includes a culvert crossing. (\$228,229) |
| <b><u>August 2020</u></b>    | <b>Project CIP 20-1W</b><br>Replaced 356 feet of 6-inch asbestos-cement pipe with 356 feet of 6-inch PVC pipe in S. Flower Wy. between W. Arbor Ave. and valve K06-35 I in the Kipling Villas Subdivision. (\$115,625)             |
| <b><u>August 2020</u></b>    | <b>Project CIP 20-2W</b><br>Replaced 376 feet of 12-inch ductile iron pipe with 376 feet of 12-inch PVC in W. Walden Ave. between S. Independence Wy. and S. Hoyt Ct. in the Meadows Subdivision. (\$165,304)                      |
| <b><u>August 2020</u></b>    | <b>Project CIP 20-3W</b><br>Replaced 788 feet of 12-inch PVC with 788 feet of 6-inch PVC in S. Polo Ridge DR. between Thoroughbred Run and the end of the cul-de-sac in the Polo Reserve Subdivision. (\$203,507)                  |

|                             |                                                                                                                                                                                                                      |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b><u>October 2019</u></b>  | <b>Project CIP 19-1W</b><br>Replaced 701 feet of 12-inch ductile iron pipe in S Garland St. between W. Walden Ave. and W. Nova Pl. with 701 feet of PVC pipe in the Meadows Subdivision. (\$259,565)                 |
| <b><u>October 2019</u></b>  | <b>Project CIP 19-2W</b><br>Replaced 272 feet of 6-inch ductile iron pipe with 272 feet of 6-inch PVC pipe in S Holland St. between W Laurel Pl. to the end of the Cul-De-Sac in the Meadows Subdivision. (\$85,934) |
| <b><u>October 2018</u></b>  | <b>Project CIP 18-2W</b><br>Removed two connections to a 10-inch water main in S. Wadsworth Blvd. and reconnected the two water mains to a 16-inch water main in S. Wadsworth Blvd. (\$116,068)                      |
| <b><u>October 2018</u></b>  | <b>Project CIP 18-1W</b><br>Replaced 945 feet of 8-inch ductile iron pipe with 945 feet of PVC pipe in S. Pierson St. between W. Brittany Dr. and valve number M05-F11 in the Powderhorn Subdivision (229,647)       |
| <b><u>October 2018</u></b>  | <b>Project CIP 18-1S</b><br>Replaced 228 of 8-inch sewer pipe in W. Parkhill Ave. at S. Garland St. (Kipling Villas Subdivision) (\$123,419)                                                                         |
| <b><u>October 2018</u></b>  | <b>Project CIP 18-1E</b><br>Replaced supervisory control and data acquisition system equipment (\$132,443)                                                                                                           |
| <b><u>November 2017</u></b> | <b>Project CIP 17-1S</b><br>CIPP lined 2,745 feet of 8-inch concrete pipe located in Chatfield Ave. between S. Pierce St. and S. Lamar St. (Herrick Dale Subdivision) (\$98,214)                                     |
| <b><u>October 2017</u></b>  | <b>Project CIP 17-2W</b><br>Replaced variable frequency controllers at Hogback Pump Station (\$41,525)                                                                                                               |
| <b><u>October 2017</u></b>  | <b>Project CIP 17-1W</b><br>Replaced 1,649 feet of 8-inch asbestos-concrete with 1,649 feet of 8-inch PVC pipe in W. Chatfield Ave. between S. Pierce St. and S. Lamar Ct. (\$200,050)                               |
| <b><u>August 2017</u></b>   | <b>Project CIP 17-2S</b><br>Installed 111 feet of 8-inch PVC pipe between manholes FV-3 and FV 2-5.4 (Fairway Vistas Subdivision) (59,490)                                                                           |
| <b><u>August 2016</u></b>   | <b>Project CIP 16-1S</b><br>CIPP lined 6,998 feet of 15-inch and 980 feet of 18-inch concrete sewer pipe, rehabilitate 31 manholes and replace all manhole frames and covers. (\$946,155)                            |
| <b><u>August 2016</u></b>   | <b>Project CIP 16-1W</b><br>Replaced 66 feet of 4-inch cast iron pipe including the blow-off assembly (Kipling Villas Subdivision) (\$25,555)                                                                        |

|                              |                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b><u>October 2015</u></b>   | <b>Project CIP 15-1S</b><br>CIPP lined 4,237 feet of 36-inch concrete sewer pipe, lined 21 concrete manholes and replaced 21 manhole frames and covers on the B-line interceptor sewer between Platte Canyon Rd. and the South Platte River. (\$1,232,479)                                                                                                             |
| <b><u>September 2015</u></b> | <b>Project CIP 15-2S and 15-3S</b><br>Replaced 836 feet of 8-inch SDR-35 PVC pipe with 836 feet of 8-inch SDR-35 pipe in S. Garrison St. between manholes SC 4-7A and SC 4-7B and W. Geddes Pl. between manholes SC 4-6 and SC 4-8 in the Stony Creek Subdivision and in W. Cooper Pl. between manholes FV 2-5 and FV 2-9 in the Fairway Vista Subdivision (\$411,924) |
| <b><u>September 2015</u></b> | <b>Project CIP 15-1W</b><br>Replaced 553 feet of 6-inch ductile iron pipe in S. Simms Ct. between W. Maplewood Ave. and valve number NO5-5B (Powderhorn Subdivision) (\$147,354)                                                                                                                                                                                       |
| <b><u>December 2014</u></b>  | <b>Project CIP 14-1S</b><br>Cured-in-place lined 2,279 feet of 15-inch, 1,612 feet of 21-inch, and 1,842 feet of 36-inch concrete sewer pipe (C-line interceptor) Lined 37 manholes and replaced all manhole frames and covers. (\$1,524,912)                                                                                                                          |
| <b><u>October 2014</u></b>   | <b>Project CIP 14-1W</b><br>Replaced pressure reducing valve and associated piping at W. Burgundy Ave. and S. Simms St., W. Coal Mine Ave. at S. Simms St., and 6618 S. Oak Cir. (\$115,660)                                                                                                                                                                           |
| <b><u>September 2014</u></b> | <b>Project CIP 14-2W</b><br>Installed 1,100 feet of 12-inch C900, class 150 PVC pipe in W. Blakeland Dr. to establish a looped water system in the Blakeland Subdivision. (\$273,704)                                                                                                                                                                                  |
| <b><u>December 2013</u></b>  | <b>Project CIP 13-1S</b><br>Cured-in-place lined 2,816 feet of 42-inch, 7,660 feet of 48-inch, and 1,411 feet of 60-inch concrete sewer pipe (A-line interceptor) Lined 43 manholes. (\$3,642,127)                                                                                                                                                                     |
| <b><u>October 2013</u></b>   | <b>Project CIP 13-1W</b><br>Replaced two pressure reducing valve assemblies at W. Coal Mine Ave. and S. Garrison St. and W. Coal Mine Ave. and S. Owens St. (\$66,867)                                                                                                                                                                                                 |
| <b><u>September 2013</u></b> | <b>Project CIP 13-3S</b><br>Replaced 65 feet of 8-inch SDR-25 PVC pipe in S. Simms Wy. between manholes S-2C-1 and S-2C-2 in the Powderhorn Subdivision with 65 feet of 8-inch, C-900, class 200 PVC pipe. (\$33,816)                                                                                                                                                  |
| <b><u>September 2013</u></b> | <b>Project CIP 13-2S</b><br>Replaced four Inventron flow meters on the D-line interceptor (2 each), the Columbine interceptor, and the Massey Draw interceptor. (\$35,625)                                                                                                                                                                                             |
| <b><u>December 2012</u></b>  | <b>Project CIP 12-1S</b><br>Rehabilitate with a cured-in-place rehabilitation process 13,296 feet of 33-inch concrete pipe and 3,083 feet of 36-inch concrete pipe. Rehabilitate 51 manholes. (\$2,514,591)                                                                                                                                                            |
| <b><u>October 2012</u></b>   | <b>Project CIP 12-2S</b><br>C-line and Dutch Creek flow meter rehabilitation. Replaced Inventron flow monitoring equipment with Echo equipment. (\$16,438)                                                                                                                                                                                                             |

|                              |                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b><u>August 2012</u></b>    | <b>Project CIP 11-2W</b><br>Installed a connection to Denver Water Conduit 10 with a pressure reducing valve and vault to provide a second hydraulic connection to the Herrick-Dale Subdivision. (\$106,665)                                                                                                                                         |
| <b><u>June 2012</u></b>      | <b>Project CIP 11-1W</b><br>Installed 440 feet of 8-inch, C-900, DR 18, PVC pipe in W. Ken Caryl Ave. between W. Indore Dr. and Falling Water Ranch Subdivision to provide an additional hydraulic connection between Falling Water Ranch and Meadows Sanctuary Subdivisions. (\$131,715)                                                            |
| <b><u>September 2011</u></b> | <b>Project CIP 11-1S</b><br>Rehabilitated using cured-in-place lining portions of the C-line interceptor sewer consisting of 5,119 feet of 15-inch, 1,053 feet of 21-inch and 138 feet of 27-inch concrete pipe. Rehabilitated and sealed 23 concrete manholes. (\$623,265)                                                                          |
| <b><u>August 2011</u></b>    | A-line flow meter rehabilitation. Replaced Inventron flow monitoring equipment with Pulsar equipment. (\$6,855)                                                                                                                                                                                                                                      |
| <b><u>September 2010</u></b> | <b>Project CIP 10-1S</b><br>Replaced 494 feet of 8-inch PVC pipe in S. Independence Wy. between manholes M3-1G4C and M3-1G4, and in W. David Ave. between manholes M3-1G4 and M3-1G3 and M3-1G2 and M3-1G1 (Meadows Subdivision. (\$79,239.)                                                                                                         |
| <b><u>August 2010</u></b>    | Replaced 85 feet of 12-inch asbestos cement pipe in with 85 feet of 8-inch, C-900, class 150, PVC pipe on S. Yukon Way. (Columbine Knolls South Subdivision). (\$25,115.)                                                                                                                                                                            |
| <b><u>October 2009</u></b>   | <b>Project CIP 09-1W</b><br>Replaced 1,520 feet of 6-inch cast iron pipe in W. Burgundy Dr. and W. Brittany Dr. in Kipling Hills Subdivision with 1,520 feet of 6-inch, C-900, class 150, PVC pipe. Replaced 205 feet of 6-inch cast iron pipe in S. Dover Ct. in Kipling Villas Subdivision with 205 feet of C900, class 200, PVC pipe. (\$214,860) |
| <b><u>October 2008</u></b>   | <b>Project CIP 08-1W</b><br>Replaced 932 feet of 6-inch asbestos cement pipe with 932 feet of 6-inch, C-900, class 150, PVC pipe in S. Dover St. between W. Peakview Dr. and S. Dudley Wy. in the Woodmar Village Subdivision. (\$131,769)                                                                                                           |
| <b><u>August 2008</u></b>    | <b>Project CIP 08-1S</b><br>Replaced 53 feet of 8-inch PVC pipe with 53 feet of 8-inch, C-900, class 200, PVC pipe in W. Hinsdale Pl. between manholes SC9-9 and SC9-10 in the Stony Creek Filing No. 9 Subdivision. (\$18,648)                                                                                                                      |
| <b><u>August 2008</u></b>    | <b>Project CIP 08-2S</b><br>Replaced 160 feet of 8-inch PVC pipe with 160 feet of 8-inch, C-900, class 200, PVC pipe in W. Chatfield Ave. between manholes DS 3-5.1 and DS 3-5 in the Dakota Station Subdivision. (\$55,945)                                                                                                                         |
| <b><u>November 2007</u></b>  | <b>Project CIP 07-1W</b><br>Replaced 840 feet of 8-inch ductile iron pipe with 840 feet of 8-inch, C-900, class 150, PVC pipe in W. Chatfield Ave. (easement) in the Dakota Station Subdivision Filing No. 3. (\$102,822.)                                                                                                                           |

|                              |                                                                                                                                                                                                                                                                                                                                                                       |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b><u>November 2007</u></b>  | <b>Project CIP 07-2W</b><br>Replaced 489 feet of 6-inch asbestos-cement pipe in W. Weaver Pl. east of W. Walker Dr. (Woodmar Square Subdivision) with 489 feet of 6-inch, C-900, class 150, PVC pipe. (\$65,417)                                                                                                                                                      |
| <b><u>August 2007</u></b>    | <b>Project CIP 07-1S</b><br>Replaced 906 feet of 8-inch PVC sewer pipe in W. Cooper Dr. between manholes P6-11 and P6-9 and P6-8 and P6-7 (Powderhorn Subdivision Filing No. 6) with 906 feet of 8-inch, C-900, class 200 PVC pipe. (\$205,206)                                                                                                                       |
| <b><u>September 2006</u></b> | <b>Project CIP 06-1W</b><br>Replaced 245 feet of 4-inch ductile iron pipe in S. Moore St. north of W. Glasgow Ave. with 245 feet of 4-inch, C900, class 150, PVC pipe (Meadows Subdivision) (\$59,098)                                                                                                                                                                |
| <b><u>August 2006</u></b>    | <b>Project CIP 06-1S</b><br>Rehabilitated (epoxy lined) 1,120 feet of 8-inch vitrified clay pipe in W. Kingsley Ave. between manholes MD-3 and HD-7 in the Herrick Dale Subdivision. (\$34,861)                                                                                                                                                                       |
| <b><u>November 2005</u></b>  | <b>Project CIP 05-4W</b><br>Replaced 1,252 feet of 12-inch cast iron pipe and 105 feet of 8-inch cast iron pipe with 1,357 feet of 12-inch, C900, class 150, PVC pipe in W. Ken Caryl Ave. between S. Garrison St. and S. Kipling St. (\$316,867)                                                                                                                     |
| <b><u>October 2005</u></b>   | <b>Project CIP 05-3W</b><br>Replaced 1,300 feet of 8-inch ductile iron pipe with 1,300 feet of 8-inch C900, class 150, PVC pipe in W. Bowles Cir. between W. Lake Ave. and valve number N05-29I (Powderhorn subdivision. (\$120,807)                                                                                                                                  |
| <b><u>October 2005</u></b>   | <b>Project CIP 05-2W</b><br>Replaced 1,200 feet of 6-inch ductile iron pipe with 1,200 feet of 6-inch C900, class 150, PVC pipe in S. Taft St. between W. Lake Ave. and S. Swadley Wy. (Powderhorn subdivision). (\$120,807)                                                                                                                                          |
| <b><u>October 2005</u></b>   | <b>Project CIP 05-1W</b><br>Replaced 1,020 feet of 6-inch asbestos-cement pipe with 1,020 feet of 6-inch C900, class 150, PVC pipe in W. Laurel Pl. between Spread Eagle Mountain and S. Jellison St. (Williamsburg Subdivision Filing No. 1). (\$120,807)                                                                                                            |
| <b><u>November 2004</u></b>  | <b>Project CIP 04-1W</b><br>Replaced 800 feet of 6-inch ductile iron pipe with 800 feet of 6-inch C900, class 150, PVC pipe in S. Parfet St. between W. Walker Dr. and W. Polk Dr., and replaced 1,127 feet of 8-inch ductile iron pipe with 1,127 feet of 8-inch C900, class 150, PVC pipe in W. Bowles Ave. between W. Burgundy Ave. and S. Pierson St. (\$100,857) |
| <b><u>November 2004</u></b>  | <b>Project CIP 04-2W</b><br>Replaced 1,127 feet of 8-inch ductile iron pipe with 1,127 feet of 8-inch C900, class 150, PVC pipe in W. Bowles Ave. between W. Burgundy Ave. and S. Pierson St. (\$139,278.)                                                                                                                                                            |
| <b><u>November 2004</u></b>  | <b>Project CIP 04-1S</b><br>Replaced 574 feet of 8-inch SDR-25, PVC pipe with 574 feet of 8-inch C900, class 200, PVC pipe. (\$117,982)                                                                                                                                                                                                                               |

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b><u>October 2004</u></b>   | <b>Project CIP 04-2S</b><br>Rehabilitated using a cured-in-place method of rehabilitation 1,300 feet of 12-inch clay tile pipe in W. Maplewood Pl., S. Holland Way, and W. Parkhill Ave. in the Kipling Villas Subdivision. (\$53,896)                                                                                                                                                                                                                                  |
| <b><u>June 2004</u></b>      | <b>Project CIP 03-1S</b><br>Constructed sewer flow metering vault on the B-Line Sewer Interceptor. (\$275,043)                                                                                                                                                                                                                                                                                                                                                          |
| <b><u>October 2003</u></b>   | <b>Project CIP 03-1W</b><br>Replaced 1,600 feet of 6-inch ductile iron water pipe in S. Independence Way between S. Hoyt St. and the end of the Independence Way cul-de-sac (Meadows Subdivision Filing No. 3) (\$146,784)                                                                                                                                                                                                                                              |
| <b><u>September 2003</u></b> | <b>Project CIP 03-2S</b><br>Replaced 938 feet of 8-inch SDR-35 PVC sewer pipe with 938 feet of C900, class 200, PVC pipe in S. Parfet St. from manhole P2-6A to P2-6, S. Owens Ct. from manhole P2-4B to P2-4A, and W. Coal Mine Ave. from manhole FV-2 to FV-1. (\$163,383)                                                                                                                                                                                            |
| <b><u>September 2002</u></b> | Constructed sewer flow metering vaults on the Massey Draw and C-Line Interceptors. (\$245,420)                                                                                                                                                                                                                                                                                                                                                                          |
| <b><u>December 2002</u></b>  | <b>Project CIP 02-2S</b><br>Replaced 876 feet of 8-inch SDR-35 PVC pipe with 876 feet of C900, class 200, PVC pipe in S. Oak Ct. between S. Parfet St. and S. Owens St. (manholes P2-2E to P2-2). (\$39,236)                                                                                                                                                                                                                                                            |
| <b><u>December 2002</u></b>  | <b>Project CIP 02-1W</b><br>Replaced 455 feet of 6-inch ductile iron pipe in W. Canyon Pl. (Meadows Subdivision Filing No. 2) with 455 feet of 6-inch C900, class 150, PVC pipe. (\$128,375)                                                                                                                                                                                                                                                                            |
| <b><u>December 2001</u></b>  | <b>Project CIP 01-1W</b><br>Replaced 405 feet of 12-inch, 430 feet of 8-inch, and 810 feet of 6-inch asbestos cement pipe in Vista View Dr. between W. Ottawa Ave. and W. Meadows Dr. and in S. Lewis Ct. between S. Miller Ct. and S. Miller St. with C-900, class 150, PVC pipe. (\$261,421)                                                                                                                                                                          |
| <b><u>December 2001</u></b>  | <b>Project CIP 01-4W</b><br>Replaced 186 feet of 6-inch ductile iron pipe in W. Nova Pl. west of S. Garland St. with 186 feet of 6-inch, C-900, class 150, PVC pipe. (\$15,798)                                                                                                                                                                                                                                                                                         |
| <b><u>December 2001</u></b>  | Replaced 360 feet of 8-inch, SDR-35, PVC sewer pipe between manholes M.31 and M.32 in W. Ontario Ave. with 360 feet of 8-inch, C-900, class 200, PVC pipe.<br>Replaced 8-inch SDR-35, PVC pipe in W. Cooper Ave. between manholes S-2F-1 and S-2F with 127 feet of 8-inch, C-900, class 200, PVC pipe. Replaced 231 feet of 8-inch, SDR-35, PVC pipe in S. Parfet St. between manholes P2 and 6A and P2 and 6B with 231 feet of C-900, class 200, PVC pipe. (\$168,828) |
| <b><u>November 2000</u></b>  | <b>Project CIP 99-1W-RR</b><br>Replaced 1,300 feet of 8-inch ductile iron pipe in W. Bowles Cir. From a point 150' west of S. Simms St. to valve number N05-29I with 1,300' of 8-inch C-900, class 150 PVC pipe. (\$99,819)                                                                                                                                                                                                                                             |

**September 2000****Project CIP 00-1W**

Replaced 1,100 feet of ductile iron pipe in Bowles Avenue Marketplace with 1,100 feet of C-900, class 150, PVC pipe. (\$104,325)

**September 2000****Project CIP 00-1S**

Replaced 282 feet of 8-inch, SDR-35, PVC pipe between manholes PH 3A-1 and PH 3 on S. Owens Ct. and 260 feet of 8-inch, SDR-35, PVC pipe between manholes PH 3 and PH 2 on W. Fair Ave. with C-900, class 200, PVC pipe (Powderhorn Subdivision Filing No. 5). (\$117,987).

**August 2000****Project CIP 00-2W**

Replaced 26 Pacific States fire hydrants located at the following locations:

- |     |                                             |         |
|-----|---------------------------------------------|---------|
| 1.  | On W. Walker Dr. and S. Yukon St.           | H07-F12 |
| 2.  | On S. Teller Ct. and W. Polk Ave.           | H07-F3  |
| 3.  | On S. Webster St. and S. Yukon St.          | H08-F1  |
| 4.  | On W. Walker Dr. and S. Peakview Ave.       | H08-F6  |
| 5.  | On W. Calhoun Pl. and W. Calhoun Dr.        | I08-F4  |
| 6.  | On S. Upham St. at W. Euclid Pl.            | H08-F4  |
| 7.  | On S. Brentwood St. at W. Polk Pl.          | I07-F4  |
| 8.  | On W. Caley Pl. 500' west of Yarrow St.     | I07-F5  |
| 9.  | On W. Caley Pl. 550' west of Yarrow St.     | I07-F6  |
| 10. | On S. Yarrow St. at W. Caley Dr.            | I07-F7  |
| 11. | On W. Calhoun Pl. at W. Calhoun Dr.         | I08-F4  |
| 12. | On S. Allison Ct. at W. Hoover Pl.          | I08-F5  |
| 13. | On W. Arbor Dr. at S. Everett Ct.           | J06-F21 |
| 14. | On S. Field Ct. at W. Arbor Ave.            | J06-F22 |
| 15. | On S. Everett Wy. At S. Estes St.           | J07-F6  |
| 16. | On W. Weaver Ave. at S. Dudley Wy.          | J07-F7  |
| 17. | On S. Santa Fe Dr. 2, 750' south of Mineral | C15-F1  |
| 18. | On S. Santa Fe Dr. 6,800' south of Mineral  | C17-F1  |
| 19. | On S. Holland Wy. At W. Maplewood Pl.       | K06-F4  |
| 20. | On S. Independence St. at W. Maplewood Pl.  | K06-F3  |
| 21. | On S. Holland St. 50' west of Maplewood     | K06-F11 |
| 22. | On W. Burgundy Ave. at S. Holland Wy.       | K05-F9  |
| 23. | On S. Holland St. at W. Capri Ave.          | K05-F21 |
| 24. | On W. Capri Ave. at S. Independence St.     | K05-F13 |
| 25. | On W. Lake Ave. at S. Independence St.      | K05-F12 |
| 26. | On W. Lake Ave. at S. Holland Wy.           | K05-F11 |

(\$55,694)

**August 2000****Project CIP 00-3W, CIP 01-3W, and CIP 02-2W**

Installed By-Pass Assemblies at zone valves located at the following sites:

- |    |                                        |         |
|----|----------------------------------------|---------|
| 1. | On W. Fairview Dr. at S. Saulsbury Ct. | H13-19I |
| 2. | On W. Nova Dr. at W. Moraine Dr.       | H13-21I |
| 3. | On S. Pierce Wy. at W. Moraine Dr.     | H13-28I |
| 4. | On W. Ken Caryl Ave. at S. Pierce St.  | H13-31I |
| 5. | On W. Walden Dr. at S. Upham St.       | H14-1I  |
| 6. | On W. David Dr. at S. Vance Ct.        | H14-23I |
| 7. | On S. Vance Ct. at W. Nichols Pl.      | H15-24I |
| 8. | On S. Quay Ct. at W. Clifton Pl.       | H16-19I |

|            |                                            |         |
|------------|--------------------------------------------|---------|
| 9.         | On S. Vance Ct. at W. Nichols Pl.          | H16-4I  |
| 10.        | On W. Clifton Ave. at S. Upham St.         | H16-5I  |
| 11.        | On S. Upham St. at W. Clifton Ave. (north) | H16-6I  |
| 12.        | On S. Cody Wy. at W. Capri Pl.             | J05-37I |
| 13.        | On S. Wadsworth Blvd. At W. Bowles Ave.    | J05-43I |
| 14.        | On W/ Arbor Ave. at S. Garrison St.        | J06-47I |
| 15.        | On S. Flower St. 120' west of Capri Ave.   | J06-50I |
| 16.        | On W. Glasgow Ave. at S. Nelson St.        | L12-1I  |
| 17.        | On S. Oak St. at W. Capri Ave.             | M05-36I |
| 18.        | On S. Oak Cir. At Cooper Dr.               | M08-25I |
| 19.        | On S. Newcombe St. at W. Rowland Ave.      | M10-8I  |
| 20.        | On W. Roxbury Ave. at W. Meadows Dr.       | L11-42I |
| 21.        | On W. Polk Dr. at W. Weaver Dr.            | J07-3I  |
| 22.        | On S. Everett Wy. at W. Peakview Dr.       | J08-34I |
| 23.        | On S. Field Wy. at W. Peakview Dr.         | J08-36I |
| 24.        | On W. Peakview Dr. at W. Weaver Dr.        | J08-38I |
| 25.        | On W. Euclid Ave. at S. Estes St.          | J08-9I  |
| 26.        | On W. Freemont Pl. at S. Carr St.          | J11-22I |
| 27.        | On W. Glasgow Pl. at S. Carr St.           | J12-36I |
| 28.        | On W. Maplewood Ave. at S. Garland Wy.     | K06-18I |
| 29.        | On W. Maplewood Dr. at S. Garrison St.     | K06-27I |
| 30.        | On. W. Meadows Dr. at W. Roxbury Ave.      | L11-41I |
| (\$63,976) |                                            |         |

#### **June 2000**

#### **Project CIP 00-4W**

Installed a connection between a Southwest Metropolitan owned 8-inch water main in W. Chatfield Ave. and Denver Water Department's Conduit 10 at W. Chatfield Ave. and S. Lamar St. Installed a pressure reducing valve at the connection. (\$63,836).

#### **December 2000**

#### **Project CIP 99-2S**

Installed flumes and flow metering stations on the Dutch Creek Interceptor and Columbine Interceptor. (\$245,250)

#### **May 2000**

#### **Project CIP 97-1B-SE**

Expanded and Remodeled District Office building at 8739 W. Coal Mine Ave. (\$1,747,788)

#### **April 2000**

#### **Project CIP 97-1W-SE**

Installed 700' of 16-inch ductile iron water pipe in Continental Divide Rd. between Chatfield Pump Station and northern section line of Section 4. (\$14,348)

#### **April 2000**

#### **Project CIP 97-2W-SE**

Constructed 15.0 million gallon per day pump station with associated piping and controls. Project included installation of a pressure reducing valve station on Denver Water Department Conduit 115 at S. Kipling St. and W. Coal Mine Ave. (\$397,252)

#### **April 2000**

#### **Project CIP 97-3W-SE**

Constructed 5.0-million-gallon reservoir at W. Chatfield Ave. and S. Kipling St. (\$485,131)

**December 1999****Project CIP-2W-RR**

Replaced Pacific States fire hydrants at the following locations:

- |    |                                    |         |
|----|------------------------------------|---------|
| 1. | S. Yarrow at W. Euclid Pl.         | I08-F11 |
| 2. | S. Allison St. at W. Peakview Dr.  | I07-F3  |
| 3. | S. Dover St. at S. Cody Way        | J07-F8  |
| 4. | W. Arbor Ave. at W. Parkhill Ave.  | J06-F24 |
| 5. | S. Holland Way at W. Bowles Ave.   | K05-F8  |
| 6. | W. Maplewood Pl. at S. Garland Ct. | K06-F10 |
| 7. | W. Lake Dr. at S. Garland Way      | K05-F14 |
| 8. | W. Lake Dr. at S. Garland Way      | K05-F15 |
| 9. | W. Burgundy Ave. at S. Garland Way | K05-F10 |

(\$17,823)

**December 1999****Project CIP 99-1S-RR**

Installed two sewer flow metering stations on the D-Line Interceptor. (\$311,816)

**November 1998****Projects CIP 98-1W-RR and CIP 98-3W-RR**

Replaced 70 feet of 12-inch, 1,676 feet of 6-inch, and 100 feet of 4-inch ductile iron pipe in W. David Avenue between S. Garrison Court and S. Independence Way and 562 feet of cast iron pipe in W. Brittany Place between S. Estes Street and W. Brittany Drive. (\$225,010)

**July 1998****Project CIP 98-2W-RR**

Replaced five Pacific States Fire Hydrants at the following locations:

1. W. Euclid Avenue at S. Everett Way
2. S. Field Street at S. Everett Way
3. S. Field Street at W. Peakview Drive
4. S. Everett Way at W. Peakview Drive
5. S. Estes Street at W. Peakview Drive

(\$9,533)

**October 1997****Project CIP 97-1S-RR**

Replaced 800 feet of 8-inch SDR-35 sewer pipe with 800 feet of C-900, Class 200 PVC pipe in Crestone Mountain and W. Fairview Avenue. (**\$71,133**)

**July 1997****Project CIP 97-2W-RR**

Replaced five Pacific States fire hydrants at:

- |    |                                        |           |
|----|----------------------------------------|-----------|
| 2. | W. Euclid Avenue at S. Garrison Street | (K08-F25) |
| 3. | S. Field Ct. At W. Euclid Avenue       | (J08-F2)  |
| 4. | S. Dover Way at W. Euclid Place        | (J08-F9)  |
| 5. | S. Upham Street at W. Euclid Place     | (H08-F4)  |
| 6. | S. Dover Way at S. Dover Street        | (J08-F10) |

(\$12,049)

**May 1997****Project CIP 97-1W-RR**

Replaced 200 feet of 6-inch cast iron pipe in W. Capri Place and 1,000 feet of 8-inch cast iron pipe in W. Cody Way with C-900, Class 150 PVC pipe. (\$105,522)

**September 1996****Project CIP 96-2W-RR**

Relocated 1,000 feet of 16-inch pipe in W. Coal Mine Ave. between S. Wadsworth Blvd. and 8739 W. Coal Mine Ave. (\$86,948)

**August 1996****Project 94-1W-RR**

Replaced 1,300 feet of 8-inch asbestos-cement pipe and 1,900 feet of 16-inch ductile iron pipe in W. Ken Caryl Ave. between S. Carr St. and S. Estes St. with a 16-inch ductile iron pipe. (\$152,724)

**August 1996****Project CIP 94-3W-SE**

Constructed 5.74 million gallons per day pumping station at 13398 W. Coal Mine Ave. (\$540,518)

**July 1996****Project CIP 94-2W-SE**

Constructed 3.55 million gallon treated water reservoir on the east side of the Dakota Hogback south of W. Bowles Ave. (\$2,309,961)

**July 1996****Project 96-3W-RR**

Replaced five Pacific States fire hydrants at:

- |    |                                              |           |
|----|----------------------------------------------|-----------|
| 1. | W. Burgundy Ave., 620 feet SE of S. Cody St. | (J05-F17) |
| 2. | W. Capri Pl., 175 feet east of S. Cody St.   | (J05-F18) |
| 3. | S. Ammons Ct. at W. Peakview Dr.             | (I08-F2)  |
| 4. | S. Brentwood Way at W. Peakview Dr.          | (I07-F11) |
| 5. | W. Brittany Pl. at W. Brittany Dr.           | (J05-F16) |

**September 1995****Project CIP 95-2W-RR**

replaced Pacific States fire hydrants at:

- |    |                                                                |           |
|----|----------------------------------------------------------------|-----------|
| 1. | S. Santa Fe Dr. 200 feet S of entrance to Wolhurst Subdivision | (C16-F1)  |
| 2. | S. Cody Way at W. Peakview Dr.                                 | (J08-F12) |
| 3. | 7808 W. Peakview Dr.                                           | (I07-F8)  |
| 4. | S. Wadsworth Blvd., 200 feet N of W. Parkhill Ave.             | (J06-F12) |
| 5. | W. Arbor Ave., at S. Dudley Ct.                                | (J06-F18) |
- (\$14,100)

**September 1995**

Replaced 765 feet of 6-inch cast iron pipe with 765 feet of 6-inch PVC pipe in W. David Place between S. Independence Way and S. Hoyt Street. (\$56,461.25)

**August 1995****Unscheduled Project**

Relocated 2,625 feet of 16-inch, 2,104 feet of 12-inch, 312 feet of 8-inch, and 105 feet of 6-inch cast iron and asbestos-cement water main in S. Kipling St. between W. Geddes Ave. and W. Bowles Ave. (\$353,560.67 total cost; \$133,230.66 Southwest Metropolitan and \$220,330.02 Jefferson County)

**July 1995****Project CIP 95-1W-RR**

Relocated 484 feet of 12-inch cast iron pipe with 12-inch ductile iron pipe in W. Coal Mine Avenue east of S. Wadsworth Blvd. (\$25,591.96)

**May 1995****Project 94-1W-SE**

Installed 6,300 feet of 36-inch water main in W. Coal Mine Ave. from S. Ward St. to Hogback Reservoir (Denver Water Department Conduit 137 Phase II). (\$841,273.35)

|                              |                                                                                                                                                                                                                                                                                                                                                     |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b><u>May 1995</u></b>       | <b>Project CIP 94-1S-SE</b><br>Installed 2,900 feet of 15-inch, 1,510 feet of 18-inch, and 5,585 feet of 21-inch PVC sewer pipe along the western boundary of South Platte Park (Platte River Interceptor Sewer). (\$931,924.47)                                                                                                                    |
| <b><u>September 1994</u></b> | Replaced Pacific States fire hydrants at: <ol style="list-style-type: none"> <li>1. S. Garland Way at S. Garrison (south intersection)</li> <li>2. S. Dudley Way at W. Peakview Dr.</li> <li>3. W. Polk Ave., 500' east of S. Yukon Ct.</li> <li>4. W. Caley Dr. 375' east of S. Yukon Ct. and W. Weaver Pl. at W. Walker Dr.</li> </ol> (\$12,407) |
| <b><u>July 1994</u></b>      | A-Line Interceptor Sewer Flow Metering Station. (\$85,994)                                                                                                                                                                                                                                                                                          |
| <b><u>August 1993</u></b>    | Acquired the 20-inch water main in Mineral Avenue between Platte Canyon Rd. and Santa Fe Drive from the Denver Water Department. (\$182,927)                                                                                                                                                                                                        |
| <b><u>May 1993</u></b>       | Replaced 1,180 feet of 12-inch asbestos-cement water pipe in S. Jellison St. between W. Laurel Pl. and Crestone Mountain (Williamsburg Subdivision Filing No. 1). (\$101,900)                                                                                                                                                                       |
| <b><u>September 1990</u></b> | Installed 30 feet of 12-inch ductile iron pipe in S. Pierce St. at W. Polk Ave. (\$8,093)                                                                                                                                                                                                                                                           |
| <b><u>September 1990</u></b> | Installed fire hydrant assembly on S. Wadsworth Blvd. at W. Bowles Ave. (\$3,350)                                                                                                                                                                                                                                                                   |
| <b><u>August 1990</u></b>    | Replaced 285 feet of 8-inch PVC. sewer main (collapsed) in W. Peakview Dr. north of Coal Mine Ave. (MH FV-3 to MH FV-4) (Fairway Vista). (\$29,900)                                                                                                                                                                                                 |
| <b><u>May 1990</u></b>       | Replaced 180 feet of 8-inch PVC. sewer main (collapsed) in S. Iris Way between S. Johnson Ct. and W. Friend Pl. (MH DS-9 to MH DS-10) (Dakota Station Subdivision Filing No. 2). (\$20,840)                                                                                                                                                         |
| <b><u>November 1988</u></b>  | Installed 5,253 feet of 15 inch, 99 feet of 18 inch and 57 feet of 8 inch PVC sanitary sewer pipe for the Lilley Gulch Parallel between Wadsworth Blvd. and Kipling St. (\$236,658)                                                                                                                                                                 |
| <b><u>February 1983</u></b>  | Replaced 625 feet of 12 inch asbestos-cement water main in Crestone Mountain between S. Jellison St. and W. Canyon Ave. and 475 feet of 6 inch asbestos-cement water main in W. Walden Ave. west of Crestone Mountain (Williamsburg #1). (\$36,750)                                                                                                 |