



CITY COUNCIL AGENDA

NOTICE IS HEREBY GIVEN THAT THE CENTERVILLE CITY COUNCIL WILL HOLD A REGULAR MEETING AT 7:00 PM ON MARCH 18, 2025 AT CENTERVILLE CITY HALL, 250 NORTH MAIN STREET, CENTERVILLE, UTAH.

Centerville City Council meetings are open to the public, unless otherwise closed for reasons allowed by law. Centerville City Council meetings may be conducted via electronic means pursuant to Utah Code § 52-4-207. In compliance with the Americans with Disabilities Act, individuals needing special accommodations due to a disability may contact the City Recorder at (801) 295-3477, at least 24 hours in advance of the meeting. The Mayor and Council reserve the right to modify the sequence of agenda items in order to facilitate special needs or provide greater efficiency.

The full agenda packet and backup materials can be found on the Centerville City website at:

<https://centervilleutah.gov/129/Agendas-Minutes>

A. ZOOM INFO

1. Join Zoom Meeting
<https://us06web.zoom.us/j/84232072890?pwd=Atj3izlVo1vbwH9E2dsWeabXoK5UY5.1>

Meeting ID: 842 3207 2890

Passcode: 460201

B. CALL TO ORDER

1. **ROLL CALL**
2. **LEGISLATIVE PRAYER OR THOUGHT**
Councilmember Spencer Summerhays
3. **PLEDGE OF ALLEGIANCE**

C. OPEN SESSION

The open session allows members of the public to comment or address the City Council on matters not listed on the agenda. Open session comments should be limited to three minutes per person. Please state your name and city of residence for the record.

D. PRESENTATIONS

Presentations or commendations may be presented as appropriate.

1. Citizen Recognition
Police Department recognition of Lauren Webb and Brionna Kosec

E. BUSINESS ITEMS

Business action or discussion items to be considered.

1. Drainage Audit Discussion
Continued discussion on the Drainage Audit Process
2. Drainage Rate Increase Discussion
Continued discussion of the drainage rate increase
3. Assignment and Assumption Agreement - Centerville Corporate Park - Lot 1 and Lot 201
Consider the Assignment and Assumption Agreement between the City, RDA, J&S Purpura Ventures, LLC, and Marketplace 24, LLC for Lot 1 and Lot 201 of the Centerville Corporate

Park

4. Sidewalk Deferral Agreement - 1175 West 500 North - Kenny Knighton
Consider request for the deferral of sidewalk and parkstrip improvements along the frontage of 1250 West and 500 North for property located at 1175 West 500 North and consider approval of associated Sidewalk Deferral Agreement between the City and 1175 West, LLC
5. Municipal Code Amendments - Maximum Depth for Cemetery Markers and Monuments - CMC 8.03.240 and CMC 8.03.250
Consider Municipal Code Amendments to add a maximum depth provision for markers and monuments in the City Cemetery - Ordinance No. 2025-02
6. Compensation Schedule Amendments - Patrol Officer in Training
Consider amendments to Compensation Schedule to add the new position and compensation range for Patrol Officer in Training - Ordinance No. 2025-03.

F. SUMMARY ACTION

Items of a summary or routine nature may be approved by summary action of the Council unless otherwise pulled from summary action for separate discussion.

1. Police Department Purchase Request - Bi-Directional Amplifier
Consider the purchase of a Bi-Directional Amplifier for the Police Department from Precision Communications, Inc. in the amount of \$28,744.66

G. MINUTES

Minutes of prior meetings may be reviewed and accepted. Minutes review and approval shall comply with the Centerville City Minutes Approval Policy.

1. Minutes Review and Approval
March 4, 2025 Work Session Minutes
March 4, 2025 City Council Minutes

H. FINANCIAL REPORT

The Finance Director may provide monthly or quarterly financial reports as required by law.

1. Monthly Financial Report
Monthly Financial Report - February 2025

I. COUNCIL REPORT

City Council members may report on meetings or events attended in their official capacity.

1. Councilmember Gina Hirst
Councilmember Gina Hirst will report on committee assignments, including Deuel Creek Irrigation Company and Parks and Recreation Committee

J. MAYOR REPORT

The Mayor may report on meetings or events attended in the Mayor's official capacity.

K. CITY MANAGER REPORT

The City Manager may provide information or notice of current events or incidents impacting the City.

L. CLOSED SESSION

The City Council may vote to discuss matters in a closed session for reasons allowed by law, including, but not limited to, the provisions of Utah Code § 52-4-205 of the Open and Public Meetings Act, and for attorney-client matters that are privileged pursuant to Utah Code § 78B-1-137.

M. ADJOURNMENT

CERTIFICATE OF POSTING

I hereby certify that this notice and agenda was posted at Centerville City Hall, published on the Utah Public Notice Website, and provided to a newspaper or media correspondent in accordance with the requirements of the Utah Open and Public Meetings Act, including, but not limited to, provisions of Utah Code § 52-4-202.

**Jennifer Robison
Centerville City Recorder**

CENTERVILLE
city
CITY COUNCIL

Staff Report

3/18/2025

Item No. 1.

Title: Citizen Recognition

Initiated By: Allen Ackerson, Chief of Police

Staff Representative: Allen Ackerson, Chief of Police

SUBJECT:

Police Department recognition of Lauren Webb and Brionna Kosec

RECOMMENDATION:

BACKGROUND:

On September 26, 2024 at 5:30am Lauren Webb and Brionna Kosec were traveling NB on I-15 prior to Parrish Ln when they observed a single vehicle crash. The two stopped out to help and interacted with the male driver of the crashed car. The driver was suicidal and trying to run into freeway traffic. Lauren and Brionna physically restrained that man for about five minutes while waiting for officers to arrive. Officer Dalton Groen arrived on scene first and took control of the man, who was still trying to run onto the freeway in an attempt to kill himself. Lauren and Brionna once again stepped in and assisted Officer Groen restrain the man until additional officers arrived. Lauren and Brionna placed themselves in a dangerous position and assisted a stranger in a mental health crisis. They displayed true courage, compassion and selflessness.

ATTACHMENTS:

CENTERVILLE
city
CITY COUNCIL

Staff Report

3/18/2025

Item No. 1.

Title: Drainage Audit Discussion

Initiated By:

Staff Representative: Nate Plaizier, Finance Director

SUBJECT:

Continued discussion on the Drainage Audit Process

RECOMMENDATION:

BACKGROUND:

Last year, staff completed a comprehensive audit of the drainage utility fees for all commercial and non-single family residential utility accounts. As part of this audit, the City reviewed billing codes, impervious surface, and other relevant factors to determine the accuracy of drainage utility fees being charged. They identified many utility accounts and parcels within the City that were not paying the correct drainage utility fees. Staff has made the corrections, and the updated drainage utility fee rates were reflected on the utility bills.

The audit results also indicated necessary changes to the subsurface drainage utility fees. Staff has made the corrections to the subsurface drainage utility fee, which was also reflected on the utility bills.

In addition to correcting the drainage utility fees, City Council gave Staff direction to recover the storm drainage utility fees that should have been billed to the customer's property. The applicable statute of limitations for recovery of these funds is up to four years depending on the date the property changed or billing error occurred. City Council approved three different options for payment for these recovery amounts:

1. If the entire delinquent amount is paid in full, the customer may receive a 15% discount off the amount due.
2. If the delinquent amount is paid off over a period of 12 months, the customer may receive a 10% discount off the amount due.
3. If the customer's circumstances require more repayment time, we can work out a time frame for repayment. This option will not be charged a finance fee.

Letters were mailed to each customer impacted by the changes to the drainage utility fee. These letters varied slightly, based on whether the change was due to updated measurements of impervious surface, billing errors, or changes to the amount of impervious surface on the property. Also provided with the letter was an FAQ sheet.

ATTACHMENTS:

1. Centerville City - SD Capital Facilities Plan_2023

2. Drainage Audit Presentation
3. Rick Bangerter Letter to the City



CENTERVILLE CITY – STORM DRAIN & SUBDRAIN CAPITAL FACILITIES PLAN

August 2023

**Prepared by: ESI Engineering, Inc. - Kevin Campbell, PE
Centerville City Engineer**

Kyle Kump, EIT

Brian Naylor, EIT

Preston Brown, Designer

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Appendix B	Centerville City NOAA Rainfall Data
Appendix C	Storm Drain Project Cost Estimates
Appendix D	Subdrain Project Cost Estimates

LIST OF ACRONYMS AND ABBREVIATIONS

Ac-ft	acre-feet
cfs	cubic feet per second
CN	curve number
ERU	Equivalent Residential Unit
GOMB	Governor's Office of Management and Budget
LID	Low Impact Development
LOS	Level of Service
MS4s	Municipal Separate Storm Sewer Systems
NOAA	National Oceanic and Atmospheric Administration
NRCS	Natural Resources Conservation Service
O&M	Operation and Maintenance
PVC	Polyvinyl Chloride
RCP	Reinforced Concrete Pipe
SCS	Soil Conservation Service
s.f.	square feet
sq. mi.	square miles
SWMP	Stormwater Management Plan
UAC	Utah Administrative Code
USDA	United States Department of Agriculture

1.0 EXECUTIVE SUMMARY

A Capital Facilities Plan is a planning document that presents suggestions for system growth as development proceeds and summarizes the results of system analyses. The Capital Facilities Plan (Plan) analyzes current issues and flaws in the system and provides cost estimates for fixing them. Additionally, the effects of growth are taken into account when recommending effective system expansion or enhancement to meet future demands.

Modeling was used to assess the storm drain system of Centerville City for transmission capacity, storage capacity, and overall system efficiency. This approach allowed for the identification of numerous necessary stormwater projects within the current system to address any shortcomings. The projected expansion of the flood area will call for upgraded transmission systems and more storage space.

A full list of recommended projects is found in Section 5 of this Plan. This list of projects is a summary of deficiencies and potential problems in the existing storm drain system and future deficiencies based on projected growth and development. The project list also includes replacement projects for aging infrastructure.

Project costs were separated into three funding categories for projects that are needed to resolve existing deficiencies and/or storm drain issues and for projects that serve large regions of Centerville City which accommodate demands imposed by future development. The costs for the projects will be funded by Centerville City with some projects having funding contributions from Davis County or from the Developer of the project. Below is a cost breakdown of these costs as described above for the City's Storm Drain Projects (Table 1.1) and Subdrain Projects (Table 1.2):

Table 1.1 – Storm Drain Projects Cost Summary

Cost Breakdown			
Estimated Total Storm Drain Project Costs	Centerville City Cost	Davis County Cost	Developer's Cost
\$30,156,546	\$26,533,280	\$3,623,266	\$0

Table 1.2 – Subdrain Projects Cost Summary

Cost Breakdown			
Estimated Total Sub-Drain Project Costs	Centerville City Cost	Davis County Cost	Developer's Cost
\$8,308,684	\$8,308,684	\$0	\$0

2.0 INTRODUCTION

2.1 City Characteristics

Centerville City, Utah is located in south Davis County. Centerville City (City) was established in 1847 and incorporated as a city in 1915. The City is surrounded by Farmington City to the north, Bountiful City to the south, the Wasatch Mountain Range to the east, West Bountiful to the southwest, and the Great Salt Lake to the west. The total land area of the City is 5.98 square miles. The main thoroughfares through the city are Interstate 15, Legacy Parkway, Parrish Lane (SR105), and Main Street (SR106). The City's population was 16,884 according to the 2020 census. Estimates are showing the population of the City in 2030 may be over 21,000.

Land use is a mix of residential, commercial, industrial, agricultural, and public facilities. The City's vision for future land use in the undeveloped northwesterly portion of the City (land area between Legacy Parkway and the Nature Conservancy) is slated for a Shorelands Commerce Park with the intent of creating a job center for the City.

2.2 Background

The most current investigation into the storm drain system in Centerville City was carried out by ESI Engineering, Inc. Information for this Plan was gathered from previous reports and plans, Centerville City personnel, State records, and other sources. This Plan independently analyzes and reviews the City's storm drain system and identifies projects necessary to update and/or repair infrastructure based on known needs and to plan for the future growth of the City. This Plan also evaluates projects based on the infrastructure's condition and its importance to the overall storm drain system. Additional information is provided which will be necessary to complete an Impact Fee Facility Plan. The Impact Fee Facility Plan will be completed separately and is not included in this Plan.

2.3 Study Area

The Study Area for this Plan includes all areas within the current city boundary. Centerville City's storm drain system currently serves all areas within the city boundaries. This Plan analyzes the potential future growth within the City boundaries only. The Study Area is approximately 5.98 square miles.

It is understood that the service boundary and/or the proposed land uses may change depending on future and ongoing land developments. These factors may require periodic adjustments to this Plan and the recommended storm drain capital facilities projects.

The storm drain service areas within the city limits are shown in [Appendix A](#).

3.0 ERUs AND GROWTH ESTIMATES

3.1 Equivalent Residential Units

Stormwater runoff varies from property to property throughout a City's storm drain system. This variety is due to the differences in the hardness of the surfaces between properties in a development. A fundamental unit of runoff can be developed for comparative purposes in order to reduce the complexity of examining every property throughout the study area. This basic unit is called an Equivalent Residential Unit, or ERU. For this report, an ERU quantifies the stormwater impact of a typical detached single-family residence. This is the most common type of development within the City. The ERU is utilized to calculate the effects of various development types and to assess the system using a single equating unit of measurement.

3.1.1 Residential ERUs

For the purposes of this study, one ERU is defined as having an area of a directly connected hard surface measuring 3,243 square feet (1 ERU = 3,243 sf). This statistic was generated using the average of samples collected from homes on lots that were about 1/4 acre in size. This includes a proportional portion of all the paved roads in the research region as well as a typical home's driveway. The rooftops of the homes were not included because rainwater from a roof is normally dumped onto pervious surfaces by a rain gutter system. The area was determined using the formulas below for a standard 1/4-acre lot:

$$[85 \text{ ft frontage} \times (41 \text{ ft curb to curb} / 2)] + 1500 \text{ sf driveway} = 3,243 \text{ sf}$$

The defined ERU can be used to calculate the impact of various types of development within the system, as shown in Table 3.1.

Table 3.1 – ERUs for Various Property Types

Zone	Lot Size	ERUs
Rural Residential	1 Acre	1.12
Semi-Rural Residential	1/2 Acre	1.56
Low-Density Residential	1/3 Acre	1.77
Medium-Density Residential	1/4 Acre	1.15
High-Density Residential	>1/4 Acre	0.95
Other (Commercial, Institutional, Industrial, etc.)	Varies	Calculated based upon the square footage of directly- connected impervious cover.

Properties with large amounts of hard surfacing may have the impact of many single-residence homes. The impact of such properties would therefore be calculated as many ERUs. Commercial lots often have 2 – 3 times the hard surface that similarly-sized residential lots have. As a result, commercial sites generally have higher impact fees than residential sites of similar size.

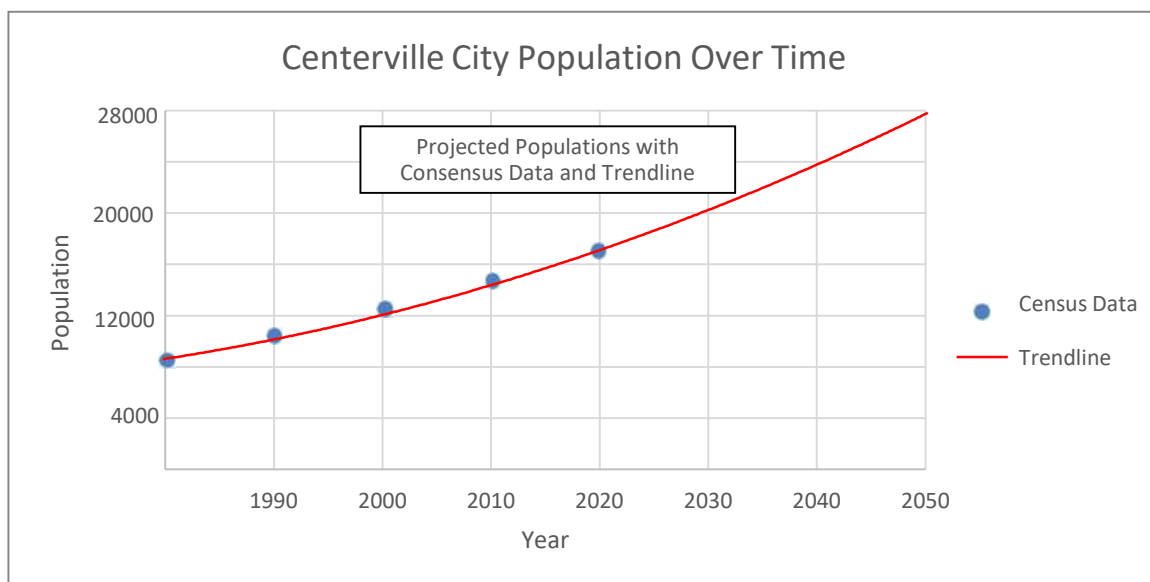
3.2 Growth Estimates

3.2.1 Population Projections

Current population information has been estimated from official US Census Bureau data. From 2010 to 2020 the yearly population growth rate of Centerville averaged 1.5%. Based upon recent development within the City, it is believed that the yearly growth rate will increase in the coming years and is estimated to continue at 1.5% for the purposes of this Plan.

Utilizing historical population data and computationally estimating a curve to best suit the data is a technique to anticipate expected population growth. The population of the City can then be estimated by projecting this curve line into the future. The results of this strategy are displayed in Figure 3.1:

Figure 3.1 – Historic and Projected Population



The projected populations from the regression equation were compared to the populations provided by the Governor's Office of Management and Budget (GOMB) and a constant growth rate of 1.5% per year of the trendline. Table 3.2 below shows these comparisons.

Table 3.2 – Population Projections

Year	GOMB	Regression Equation	Constant Growth Rate (1.5%)
2020	18,484	16,750	16,884*
2030	21,000	20,025	19,417
2040	25,323	23,850	22,330
2050	26,496	27,800	25,680

*Actual data

3.2.2 ERU Projections

The population growth does not directly correlate with the total projected ERUs because a significant portion of Centerville City is anticipated to be developed into commercial properties; however, the growth rate can be applied to the current number of ERUs to project the future ERUs contributing to the storm drain system. The expected expansion of ERUs was calculated to follow the same growth pattern as the population.

The ERU concept can also be applied to undeveloped land in order to estimate the amount of future stormwater runoff in areas of growth or redevelopment. Table 3.3 gives a breakdown of population projection and projected residential versus non-residential ERUs.

Table 3.3 – Population and ERU Projections

Year	Population Projection	Projected Residential ERUs	Projected Non-Residential ERUs	Projected Total ERUs
2010	15,335*	2,456*	ND	ND
2020	16,884*	3,483	1,507	4,990
2030	21,000	4,248	2,022	6,270
2040	25,323	7,264	2,455	9,719
2050	26,496	7,962	2,823	10,785

*Actual data

ND – Data not available

Centerville City's storm drain system served approximately 4,990 ERUs in 2020. Based upon plans for land zoning and current undeveloped areas, approximately 5,795 additional ERUs could be added in the future over the next 30 years.

For a typical city residential development is expected to closely follow the growth rate of the population, however, non-residential development may have a very different correlation. Due to a large percentage of future ERUs belonging to non-residential development, buildout projections for future developments will likely not represent actual growth rates accurately. Due to a variety of potential changes in the economy and growth rate of the City, it is recommended that this plan be reviewed approximately every five (5) to ten (10) years depending upon actual growth.

4.0 HYDROLOGY

4.1 Introduction

The study of water's presence, distribution, movement, and characteristics is known as hydrology. A crucial component of a storm drain capital facilities plan is estimating the amount of runoff generated by different development types depending on a variety of factors. In other words, knowledge of the site's hydrology is necessary to accurately estimate the volume and flow of water inside a study region for storm drain systems. The slope of a site, the soil composition, the type of land used, and other factors unique to the area of interest are all elements that influence the hydrology of a city.

4.2 Method for Identifying Runoff and Calculating Flows

The 'Rational Method' has been used to estimate the maximum rate of stormwater runoff for a given rainfall intensity over a specific watershed or drainage area. The Rational formula is commonly used for small urban watersheds and takes into account the type of development on which rain falls. Three types of development were considered in the stormwater runoff calculations: business, residential, and park or open space. These developments have been designed to handle minor events, such as the 10-year storm (a storm with a ten percent probability of occurrence in any given year), and then rely on the streets and main drainage channels to handle the more severe events. Davis County utilizes the 100-year event (an event with a one percent probability of occurrence in any given year) for their jurisdictional stream channels that transverse Centerville City. Therefore, where a designated stream channel exists in a particular drainage area the 100-year event has been employed. Rainfall intensity was referenced from Centerville City rainfall data for the 10-year and 100-year return periods. This rainfall data has been included in [Appendix B](#).

Each drainage area collects stormwater and in general, conveys the water west. Drainage area maps with corresponding drainage systems are located in [Appendix A](#). Drainage Areas 1 through 13 convey water to Frontage Road and I-15. Drainage areas 14 through 22 convey water to Legacy Parkway or a corridor referred to as the former D&RG right-of-way (now owned by UTA) and the Sheep Road. These conveyance points or drainage area boundaries (i.e. I-15 or D&RG) have culvert systems that control the quantity of stormwater flow. The flow capacity of the existing culvert system was determined at each conveyance outfall. If the culvert was known to be a concrete pipe, the capacity was estimated through the use of Culvert Capacity Charts in the Concrete Pipe Design Manual by the American Concrete Pipe Association. If the pipe was of another material, such as corrugated metal, then Manning's equation was used to estimate the capacity. With the estimated capacity for each drainage area discharge culvert and the calculated volume of accumulated stormwater for a design rainfall event, an iterative process determined the quantity of storage or detention required per area. Where drainage areas carry Davis County stream channels, the 100-year flow at the mouth of the canyon, as referenced from the 1979 FEMA report by Gingery Associates, Inc. (Gingery), was included in addition to the area calculation. A table summarizing the Gingery information is found in [Exhibit 1](#).

The required storage calculated was then compared to existing detention in the areas to determine whether additional detention would be needed, as the land develops, or if culvert systems at area

boundaries would need to be upgraded. It should be noted that the runoff rates for all areas were calculated based on the land being completely developed at the present zoning status. Detention in the City is recommended, even in the lower areas west of I-15, for the benefit of stormwater pollution prevention in downstream waters, such as Farmington Bay.

4.3 Existing Level of Service

Minimum design standards have been established to determine an effective level of service for the community. In general City Drainage systems are designed to handle the 10-year storm event, while the County Drainage systems (stream channels) are designed to handle the 100-year storm event. This is the basic level of service that is being provided to the residents at this time. While there are still some areas of the City that are located within the 100-year flood plain, most of the flood plains are limited to undeveloped areas in the City.

The goal in the management of stormwater is to help reduce the risk of flood and improve water quality. A sustainable water management program relies on both City and Developer to manage stormwater runoff. In designing the majority of the City systems for the 10-year storm there will likely be minor inconvenience and damage that may occur during these events, but in no case should there be flooding that causes major structural damage, destruction to public facilities, or loss of life.

4.4 Minimum Culvert Sizes for New Development

For new drainage systems installed in City Streets, the minimum standard pipe size is 15" in diameter. Minimum culvert size required to be installed for new development east of I-15 is 24" in diameter and the minimum culvert size required to be installed for new development west of I-15 is 36" diameter due to the flat grades of the land and drainage ditches in these areas. Reinforced concrete pipe is typically required to be installed in the City right-of-way.

It is not the City's intent to have the ditches west of I-15 and Legacy Parkway piped in as a part of future development. The City would prefer to have culverts at road crossings with improved ditches to carry stream and storm drainage flows.

4.5 Retention Requirements for New Development

The General Permit for Discharges from Small Municipal Separate Storm Sewer Systems (MS4s) UPDES Permit No. UTR090000 was updated in February 2020 with new storm water retention requirements. Effective July 1, 2020, Permit Part 4.2.5.1.2 requires new development projects that disturb greater than or equal to one acre, including projects less than one acre that are part of a larger common plan of development or sale, to manage rainfall on-site and prevent the off-site discharge of the precipitation from all rainfall events less than or equal to the 80th percentile rainfall event.

Redevelopment projects that increase impervious area by more than 10% and disturb more than or equal to one acre, including projects less than one acre that are part of a larger common plan of development or sale, must also manage rainfall on-site and avoid off-site discharge of the net increase in volume associated with precipitation from all rainfall events less than or equal to the 80th percentile rainfall event. This permit requirement will be met by implementing Low Impact Development (LID)

methods that are designed, built, and maintained to infiltrate, evapotranspire, capture, and utilize rainwater and/or stormwater.

4.6 80th Percentile Rainfall Depth

The 80th percentile rainfall depth represents the depth of rainfall which is not exceeded in 80 percent of all runoff producing rainfall events within the time period analyzed. In other words, 80 percent of the rainfall storm events that produce runoff will be less than or equal to this depth. The majority of Utah MS4s have an 80th percentile rainfall depth of between 0.4 - 0.6 inches. The rainfall depth corresponds directly to rainfall volume (not the same as runoff volume) when applied over an area. For example, an 80th percentile rainfall depth of 0.65 inches applied over a 10-acre site equates to approximately 0.5 acre-feet or 875 cubic yards (Utah Division of Water – Fact Sheet, DWQ Guidance for Calculation of 80th Percentile Storm Event).

5.0 STORM DRAIN SYSTEM

5.1 Existing Storm Drain System

There are currently twenty-two (22) drainage areas that Centerville City (City) has been divided into. The Frontage Road/ I-15/ UTA UPRR corridor bisects the City's drainage areas separating them into "east" and "west" drainage areas. Over the past 40-plus years substantial improvements have been made to the storm drain systems located in the City's region including a multitude of culverts running under the corridor.

Regional detention areas have been developed for the City along the Frontage Road in order to minimize storm drain pipe sizing needed to run underneath the corridor.

The City has been in continued cooperation with Davis County, UDOT, and other entities in completing storm drain projects to adequately convey storm water underneath the Frontage Road and I-15 freeway.

Open channel ditches make up some of the City's storm drain system, these channels and the other storm drain systems need to be maintained frequently to replace any worn-out linings and to remove trash and overgrown vegetation. It is advised that frequent examination and maintenance of these regions be carried out in order to lessen the need for significant rehabilitation projects.

The Existing Storm Drain System for Centerville City is shown in [Appendix A](#).

5.2 Storm Drain Goals and Standards

Storm drain systems and infrastructure should be designed and implemented so that the existing hydrology imitates pre-development conditions, meaning the amount of runoff from a new development should be the same quantity of runoff that came about before the development was built-up. This is required by the General Permit issued to the City by the State Division of Water Quality.

The use of detention ponds is a method of reducing the peak flows due to stormwater runoff. Typically, the City allows detention ponds to maintain a discharge rate of 0.1 cfs/acre served. While this standard addresses the rate at which stormwater can leave detention basins, it does not address the quantity of stormwater which may leave a site. Instead of reducing the volume of water that may leave a detention basin, the City has extended the amount of time in which it may leave. This allows more water, by volume, to leave a site than before development. In order to fully match pre-development conditions, stormwater that was previously absorbed should be retained onsite. The State Division of Water Quality has set a date by which these standards must be implemented as stated in Section 4.2.5.3.4 of the November 30, 2016, Storm Water General Permit:

“By March 1, 2020, new development or redevelopment projects... must manage rainfall onsite, and prevent the off-site discharge of the precipitation from all rainfall events less than or equal to the 80th percentile rainfall event.”

To accomplish this goal, infiltration basins, evaporation ponds, rainwater harvesting, and other rainwater reuse methods must be implemented to keep stormwater onsite. This requires development construction standards to change in order to store and treat stormwater onsite. In some cases, the implementation of this goal will be difficult, if not impossible. For these situations, the General Permit also states:

“If meeting this retention standard is technically infeasible, a rationale shall be provided on a case-by-case basis for the use of alternative design criteria. The project must document and quantify that infiltration, evapotranspiration, and rainwater harvesting have been used to the maximum extent technically feasible and that full employment of these control are infeasible due to site constraints.”

Retaining stormwater onsite in detention basins is a typical practice that the public and residents sometimes have apprehensions about. Due to the determination that these storms, frequently occur for two or more days onsite retention would be overloaded, causing all runoff beyond the pond capacity to proceed to the storm drain system for transmission. Without detention facilities, this runoff may overwhelm the storm drain system and flood areas downstream. Therefore, while it is intended that much of the runoff in typical rain events will be captured onsite, detention facilities and piping downstream are necessary to keep the City’s storm drain system operating as intended.

5.3 Projects

Table 5.1 is a list of projects for the City that will help correct current issues in the storm drain system and to meet both present and future demands that the system needs to accommodate. These improvements have been grouped by year and prioritized based on criticality to service the public and infrastructure condition.

Table 5.1 – Storm Drain Capital Improvement Projects

Year Group	Project Year	Project Location/ Description
1	2024	- Deuel Creek Box Culvert 400 West to Frontage Road - Peachtree - 1375 North to Main Street - Briarwood Drive - Bonita Way to 400 East
	2025	- Deuel Creek Box Culvert Main Street to 400 West - Nola Drive & 1375 North - 1675 North to 1350 North - Centerville Jr. High (South Property Line) - 300 East to Main Street or Combine with Rivera SD system
	2026	- I-15 975 North - New 48" Culvert - I-15 Parrish Lane (400 North) – Replace 36" CMP w/ New 36" Culvert
	2027	- I-15 (C112) 2075 North (Lexington Park) - Replace 24" CMP w/ New 36" Culvert - I-15 Frontage Rd & 500 South Replace 24" CMP w/ New 36" Culvert
	2028	- I-15 650 South – Replace 24" CMP w/ New 36" Culvert - I-15 Parrish Creek – Replace 42" CMP w/ New 48"
2	2029	- Parrish Lane - 100 East to Canyon Point - I-15 (P106) North Property Line of Community Park - New 36" Culvert
	2030	- Windsor Lane, Williams Lane, & 300 West Storm Drain - I-15 750 North - Replace 24" CMP w/ New 36" Culvert
	2031	700 North & Pheasant Way - London Road to Bonita Way - I-15 Parrish Lane (400 North) - Replace 24" CMP along East Side of I-15 & 800 West Crossing to Parrish Lane
	2032	- Nola Drive - 1200 North to 1350 North - I-15 100 South - Replace 24" CMP w/ New 36" Culvert
	2033	- I-15 Frontage Road - 200 South Replace CMP Culvert - Barnard Street Overflow Storm Drain - Main Street to Oakridge Drive
3	2034	- I-15 625 North - Replace 30" CMP w/ New 36" Culvert 725 North 1250 West & 600 North 1250 West - Inlet Box Replacement
	2035	- Parrish Creek 950 West to 1250 West - Channel Improvements - Public Works Dry Beds
	2036	- Rick's Creek Culvert at 575 West (Parallel w/ New 36" Elliptical) - Island View - 550 South to 650 South
	2037	500 South - UPRR / UTA - Replace 24" CMP w/ New 36" Culvert - Carrington Lane - Main Street to Ricks Creek Reservoir

	2038	650 North - 1000 West to 1250 West - Replace 30" CMP w/ 42" RCP - Parrish Lane - Crossing at 800 West (7-11 to Carls Jr.) - Replace 36" CMP
4	2039	400 South - 400 East to 700 East 780 South - 50 West to Pitford Drive
	2040	- Hillside Property Drainage Project 200 South - 600 East to 500 East - Replace CMP
	2041	700 South - 475 East to 700 East 600 North - 1250 West to Legacy Parkway
	2042	400 North - 1550 West to 1300 West 1250 West - Crossing at 75 North
	2043	70 West - 115 N to Center Street 550 South - Pitford Drive to 400 West - Pipe Lining Project
5	2044	1275 North - 1250 West to 1300 West - Aspen Way & Poplar Circle - 400 East to 610 East
	2045	- Willow Valley Drive to Frontage Road Swale - Pipe (3) 15" System - Main Street - 1600 North to Smoot Park
	2046	1825 North - Main Street to 300 East 1975 North - Main Street to 150 East
	2047	- Future 1250 West Extension - Rick's Creek 12' x 5' Box Culvert - Future 1250 West Extension - 1875 North (Villa de France) - 36" RCP Culvert
	2048	- D&RG Rick's Creek - 72" x 48" Elliptical RCP Culvert - D&RG 2075 North - 36" Culvert
6	2049	1275 N - replace ADS with RCP 71" x 47" CMP Culvert at Legacy Trail and Sheep Road at 1000 North
	2050	- Sheep Road 2075 North - 36" Culvert - Sheep Road Rick's Creek - 71" x 47" Elliptical RCP Culvert

Table 5.2 is a list of projects for the City that will help correct current issues in the subdrain system and to meet both present and future demands that the system needs to accommodate. These improvements have been grouped by year and prioritized based on criticality to service the public and infrastructure condition.

Table 5.2 – Subdrain Capital Improvement Projects

Year Group	Project Year	Project Location/ Description
1	2024	• Pitford - 550 South to Tobe
	2025	• N/A
	2026	• Ariane Way - 450 West to 650 West
	2027	• Parrish Lane - 100 East to Main Street
	2028	• N/A
2	2029	• 1850 North - 100 West to 400 West
	2030	• 1500 North Cul-de-sac on 400 West
	2031	• 1600 North (Rick's Creek Way) - 100 West to 200 West
	2032	• 1650 North (Milky Way) - 100 West to 200 West
	2033	• 1800 North - 300 West to 400 West
3	2034	• Lewis & Clark Drive - Fremont Cir to Jim Bridger Dr / Frontage Rd Crossing
	2035	• N/A
	2036	• 700 S. - 300 E. to 400 E., 600 S. - 300 E. to 400 E., 300 E. - 600 S. to 725 S.
	2037	• Tobe Drive - 350 West to 400 West
	2038	• N/A
4	2039	• Mountain View Drive & Creek View Drive
	2040	• N/A
	2041	• Canyon Breeze Drive
	2042	• N/A
	2043	• 400 West - 1500 North to 1375 North
5	2044	• 100 West Cul-de-sac on 1450 North
	2045	• 850 South / 780 South - 150 West (Slip-Line)
	2046	• Lund Lane - 700 West to 200 West
	2047	• Freedom Hills Park SE Corner - Sub-drain & Duncan Spring
	2048	• 2100 North - 400 West to Churchill Drive (in back yards of 2115 North & 2101 North)
6	2049	• 150 West - 845 South to 780 South
	2050	• 2075 North / 725 West

5.4 Summary and Conclusions

The existing and planned storm drain systems have been assessed to identify what system improvements and upgrades are required, as described in the preceding sections. These upgrades have been grouped by year and ranked in order of importance and according to where future development is anticipated to have the biggest impact on the storm drain system. Table 6.1 has an itemized cost estimate for each project.

The lists and projects detailed in this Plan are not intended to be an all-inclusive list of storm drain projects that will be needed to be completed in the City as build-out is reached. The intent of the lists is to include storm drain projects that will accomplish the following objectives:

- Increase existing storm drain system sizes for maintenance purposes and /or for proper design flows.
- Construct new improvements at proper sizes to carry design flows.
- Serve as a Storm Drain Master Plan when development occurs.

6.0 STORM DRAIN SYSTEM PROJECTS AND COST ESTIMATES

6.1 Storm Drain Projects and Cost Estimates

As detailed in the previous sections, the existing and future storm drain systems have been analyzed to determine needed system improvements. While a few of these projects will be driven by development, others are necessary to provide better efficiency and reliability of the system. A summarized list of the projects for the years 2024 through 2039 and their associated costs is shown in Table 6.1.

Table 6.1 – Storm Drain Projects Cost Summary

Project Year	Project Description	Total Estimated Cost	Cost Breakdown		
			Centerville City Cost	Davis County Cost	Developer's Cost
2024	Deuel Creek Box Culvert 400 West to Frontage Road	\$1,321,094	\$430,469	\$890,625	\$0
2024	Peachtree - 1375 North to Main Street	\$645,830	\$645,830	\$0	\$0
2024	Briarwood Drive - Bonita Way to 400 East	\$341,185	\$341,185	\$0	\$0
2025	Deuel Creek Box Culvert Main Street to 400 West	\$1,582,000	\$395,500	\$1,186,500	\$0
2025	Nola Drive & 1375 North - 1675 North to 1350 North	\$268,236	\$268,236	\$0	\$0
2025	Centerville Jr. High (South Property Line) - 300 East to Main Street or Combine with Rivera SD system	\$877,830	\$877,830	\$0	\$0
2026	I-15 975 North - New 48" Culvert	\$542,450	\$135,612	\$406,838	\$0
2026	I-15 Parrish Lane (400 North) – Replace 36" CMP w/ New 36" Culvert	\$1,394,683	\$1,394,683	\$0	\$0
2027	I-15 (C112) 2075 North (Lexington Park) - Replace 24" CMP w/ New 36" Culvert	\$949,750	\$949,750	\$0	\$0
2027	I-15 Frontage Rd & 500 South Replace 24" CMP w/ New 36" Culvert	\$688,750	\$688,750	\$0	\$0
2028	I-15 650 South – Replace 24" CMP w/ New 36" Culvert	\$688,750	\$688,750	\$0	\$0
2028	I-15 Parrish Creek – Replace 42" CMP w/ New 48"	\$743,000	\$185,750	\$557,250	\$0

Project Year	Project Description	Total Estimated Cost	Cost Breakdown		
			Centerville City Cost	Davis County Cost	Developer's Cost
2029	Parrish Lane - 100 East to Canyon Point	\$451,675	\$451,675	\$0	\$0
2029	I-15 (P106) North Property Line of Community Park - New 36" Culvert	\$978,750	\$978,750	\$0	\$0
2030	Windsor Lane, Williams Lane, & 300 West Storm Drain	\$473,280	\$473,280	\$0	\$0
2030	I-15 750 North - Replace 24" CMP w/ New 36" Culvert	\$703,250	\$703,250	\$0	\$0
2031	700 North & Pheasant Way - London Road to Bonita Way	\$392,515	\$392,515	\$0	\$0
2031	I-15 Parrish Lane (400 North) - Replace 24" CMP along East Side of I-15 & 800 West Crossing to Parrish Lane	\$726,958	\$726,958	\$0	\$0
2032	Nola Drive - 1200 North to 1350 North	\$181,468	\$181,468	\$0	\$0
2032	I-15 100 South - Replace 24" CMP w/ New 36" Culvert	\$1,075,900	\$1,075,900	\$0	\$0
2033	I-15 Frontage Road - 200 South Replace CMP Culvert	\$151,670	\$151,670	\$0	\$0
2033	Barnard Street Overflow Storm Drain - Main Street to Oakridge Drive	\$1,560,200	\$1,560,200	\$0	\$0
2034	I-15 625 North - Replace 30" CMP w/ New 36" Culvert	\$1,069,375	\$1,069,375	\$0	\$0
2034	725 North 1250 West & 600 North 1250 West - Inlet Box Replacement	\$266,945	\$266,945	\$0	\$0
2035	Parrish Creek 950 West to 1250 West - Channel Improvements	\$552,850	\$138,212	\$414,638	\$0
2035	Public Works Dry Beds	\$171,100	\$171,100	\$0	\$0
2036	Rick's Creek Culvert at 575 West (Parallel w/ New 36" Elliptical)	\$70,720	\$17,680	\$53,040	\$0
2036	Island View - 550 South to 650 South	\$188,573	\$188,573	\$0	\$0

Project Year	Project Description	Total Estimated Cost	Cost Breakdown		
			Centerville City Cost	Davis County Cost	Developer's Cost
2037	500 South - UPRR / UTA - Replace 24" CMP w/ New 36" Culvert	\$469,800	\$469,800	\$0	\$0
2037	Carrington Lane - Main Street to Ricks Creek Reservoir	\$445,078	\$445,078	\$0	\$0
2038	650 North - 1000 West to 1250 West - Replace 30" CMP w/ 42" RCP	\$881,600	\$881,600	\$0	\$0
2038	Parrish Lane - Crossing at 800 West (7-11 to Carls Jr.) - Replace 36" CMP	\$187,485	\$187,485	\$0	\$0
2039	400 South - 400 East to 700 East	\$247,878	\$247,878	\$0	\$0
2039	780 South - 50 West to Pitford Drive	\$422,313	\$422,313	\$0	\$0
2040	Hillside Property Drainage Project	\$2,216,325	\$2,216,325	\$0	\$0
2040	200 South - 600 East to 500 East - Replace CMP	\$177,770	\$177,770	\$0	\$0
2041	700 South - 475 East to 700 East	\$422,313	\$422,313	\$0	\$0
2041	600 North - 1250 West to Legacy Parkway	\$385,120	\$385,120	\$0	\$0
2042	400 North - 1550 West to 1300 West	\$452,400	\$452,400	\$0	\$0
2042	1250 West - Crossing at 75 North	\$109,062	\$109,062	\$0	\$0
2043	70 West - 115 N to Center Street	\$485,243	\$485,243	\$0	\$0
2043	550 South - Pitford Drive to 400 West - Pipe Lining Project	\$287,100	\$287,100	\$0	\$0
2044	1275 North - 1250 West to 1300 West	\$582,900	\$582,900	\$0	\$0
2044	Aspen Way & Poplar Circle - 400 East to 610 East	\$295,583	\$295,583	\$0	\$0
2045	Willow Valley Drive to Frontage Road Swale - Pipe (3) 15" System	\$760,743	\$760,743	\$0	\$0

Project Year	Project Description	Total Estimated Cost	Cost Breakdown		
			Centerville City Cost	Davis County Cost	Developer's Cost
2045	Main Street - 1600 North to Smoot Park	\$169,179	\$169,179	\$0	\$0
2046	1825 North - Main Street to 300 East	\$561,875	\$561,875	\$0	\$0
2046	1975 North - Main Street to 150 East	\$328,425	\$328,425	\$0	\$0
2047	Future 1250 West Extension - Rick's Creek 12' x 5' Box Culvert	\$241,788	\$241,788	\$0	\$0
2047	Future 1250 West Extension - 1875 North (Villa de France) - 36" RCP Culvert	\$107,663	\$107,663	\$0	\$0
2048	D&RG Rick's Creek - 72" x 48" Elliptical RCP Culvert	\$152,500	\$38,125	\$114,375	\$0
2048	D&RG 2075 North - 36" Culvert	\$114,913	\$114,913	\$0	\$0
2049	1275 N - replace ADS with RCP	\$95,787	\$95,787	\$0	\$0
2049	71" x 47" CMP Culvert at Legacy Trail and Sheep Road at 1000 North	\$217,863	\$217,863	\$0	\$0
2050	Sheep Road 2075 North - 36" Culvert	\$119,263	\$119,263	\$0	\$0
2050	Sheep Road Rick's Creek - 71" x 47" Elliptical RCP Culvert	\$159,790	\$159,790	\$0	\$0
TOTAL		\$30,156,546	\$26,533,280	\$3,623,266	\$0

6.2 Subdrain Projects and Cost Estimates

A summarized list of the projects for the years 2024 through 2044 and their associated costs is shown in Table 6.2.

Table 6.2 – Subdrain Projects Cost Summary

Project Year	Project Description	Total Estimated Cost	Cost Breakdown		
			Centerville City Cost	Davis County Cost	Developer's Cost
2024	Pitford - 550 South to Tobe	\$250,705	\$250,705	\$0	\$0
2025	N/A	\$0	\$0	\$0	\$0
2026	Ariane Way - 450 West to 650 West	\$690,389	\$690,389	\$0	\$0
2027	Parrish Lane - 100 East to Main Street	\$257,216	\$257,216	\$0	\$0
2028	N/A	\$0	\$0	\$0	\$0
2029	1850 North - 100 West to 400 West	\$581,102	\$581,102	\$0	\$0
2030	1500 North Cul-de-sac on 400 West	\$181,410	\$181,410	\$0	\$0
2031	1600 North (Rick's Creek Way) - 100 West to 200 West	\$501,541	\$501,541	\$0	\$0
2032	1650 North (Milky Way) - 100 West to 200 West	\$531,708	\$531,708	\$0	\$0
2033	1800 North - 300 West to 400 West	\$225,932	\$225,932	\$0	\$0
2034	Lewis & Clark Drive - Fremont Cir to Jim Bridger Dr / Frontage Rd Crossing	\$150,771	\$150,771	\$0	\$0
2035	N/A	\$734,660	\$734,660	\$0	\$0
2036	700 S. - 300 E. to 400 E., 600 S. - 300 E. to 400 E., 300 E. - 600 S. to 725 S.	\$501,570	\$501,570	\$0	\$0
2037	Tobe Drive - 350 West to 400 West	\$365,284	\$365,284	\$0	\$0
2038	N/A	\$0	\$0	\$0	\$0
2039	Mountain View Drive & Creek View Drive	\$532,629	\$532,629	\$0	\$0

Project Year	Project Description	Total Estimated Cost	Cost Breakdown		
			Centerville City Cost	Davis County Cost	Developer's Cost
2040	N/A	\$0	\$0	\$0	\$0
2041	Canyon Breeze Drive	\$554,952	\$554,952	\$0	\$0
2042	N/A	\$0	\$0	\$0	\$0
2043	400 West - 1500 North to 1375 North	\$568,444	\$568,444	\$0	\$0
2044	100 West Cul-de-sac on 1450 North	\$197,766	\$197,766	\$0	\$0
2045	850 South / 780 South - 150 West (Slip-Line)	\$197,200	\$197,200	\$0	\$0
2046	Lund Lane - 700 West to 200 West	\$328,570	\$328,570	\$0	\$0
2047	Freedom Hills Park SE Corner - Sub-drain & Duncan Spring	\$125,556	\$125,556	\$0	\$0
2048	2100 North - 400 West to Churchill Drive (in back yards of 2115 North & 2101 North)	\$249,400	\$249,400	\$0	\$0
2049	150 West - 845 South to 780 South	\$148,379	\$148,379	\$0	\$0
2050	2075 North / 725 West	\$433,500	\$433,500	\$0	\$0
TOTAL		\$8,308,684	\$8,308,684	\$0	\$0

See [Appendix C](#) - Storm Drain Project Itemized Cost Estimates.

See [Appendix D](#) - Subdrain Project Itemized Cost Estimates.

7.0 GLOSSARY OF TERMS

10-YEAR STORM: The storm event capable of producing rainfall expected to be equaled or exceeded on the average of once in 10 years. The storm event which has a 10% chance of being equaled or exceeded in any given year.

100-YEAR STORM: The storm event capable of producing rainfall expected to be equaled or exceeded on the average of once in 100 years. The storm event which has a 1% chance of being equaled or exceeded in any given year.

BEST MANAGEMENT PRACTICES (BMPs): BMPs include schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of the waters of the State. BMPs also include treatment, requirements, operating procedures, and practices to control facility site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage and good housekeeping solutions that include the proper handling, storage, and disposal of toxic materials to prevent stormwater pollution.

CATCH BASIN: A curbside opening that collects stormwater from streets and serves as an entry point to the storm drain system.

DESIGN RAINSTORM: A rainfall event, defined by storm frequency and storm duration, that is used to design drainage structures or conveyance systems.

DETENTION BASIN: An impoundment structure designed to reduce peak runoff flow rates by retaining a portion of the runoff during periods of peak flow and then releasing the runoff at lower flow rates.

FLOOD CONTROL CHANNEL: The open portions (often concrete-lined) of the storm drain system.

GUTTER: The edge of a street (below the curb) designed to drain water runoff from streets, driveways, and parking lots into catch basins.

INITIAL STORM DRAINAGE SYSTEM: The drainage system which provides conveyance for the storm runoff from minor storm events. The initial drainage system should be designed to reduce street maintenance, control nuisance flooding, help create an orderly urban system, and provide convenience to residents, while still meeting the criteria of the EPA's Storm Water Phase II mandate.

MAJOR STORM DRAINAGE SYSTEM: The drainage system which provides protection from flooding of homes during a major storm event.

MINOR STORM EVENT: A storm event that is less than or equal to the 10-year storm.

MAJOR STORM EVENT: Generally accepted as the 100-year storm. Typically homes should be protected from flooding in storm events up to a 100-year event.

MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4): MS4 refers to a collection of structures designed to gather stormwater and discharge it into local streams and rivers.

RETENTION BASIN: An impoundment structure designed to contain all of the runoff from a design storm event. Retention basins usually contain the runoff until it evaporates or infiltrates into the ground.

STORM DURATION: The length of time that defines the rainfall depth or intensity for a given frequency.

STORM FREQUENCY: A measure of the relative risk that the precipitation depth for a particular design storm will be equaled or exceeded in any given year. This risk is usually expressed in years.

STORM WATER: Rain runoff, snowmelt runoff, and other surface runoff and drainage that enters the storm drain system and empties into lakes, rivers, or streams.

WATERSHED: A watershed is land that collects water and drains it into a river system or lake.

8.0 REFERENCES AND WORKS CITED

Google Earth. Retrieved February 7, 2023, from Centerville City, Utah.

USDA, NRCS. (January 1999). *Urban Hydrology for Small Watersheds*. Washington, D.C. pp. A-1.

NOAA. https://hdsc.nws.noaa.gov/pfds/pfds_map_cont.html?bkmrk=ut.

U.S. Census Bureau. <https://www.census.gov/quickfacts/fact/table/centervillecityutah>.

‘Culverts at Frontage Road, I-15, UTA, UPRR & Legacy Highway.’ Centerville City – Storm Drain Master Plan Update 2013. ESI Engineering, Inc.

1979 FEMA Report by Gingery & Associates.

‘Estimated Flood Frequency Discharges at Interstate 15 for Major Channels in Davis County.’ Table 2 from report by CH2M Hill, 1997.

Davis County and Vicinity USGS Gage Records. Table 3.1 of report.

Utah Division of Water – Fact Sheet, DWQ Guidance for Calculation of 80th Percentile Storm Event

Exhibits

(Pages 22-1 through 22-4)

GINGER 1979

STREAM NAME	AFFECTED COMMUNITIES	LOCATION	IDENTIFICATION NUMBER	DRAINAGE AREA (sq. mi.)	DISCHARGES (cfs)			
					10-Yr.	50-Yr.	100-Yr.	500-Yr.
Tributary #1	North Salt Lake	Canyon Mouth	1	0.75			25	
Tributary #2	North Salt Lake	Canyon Mouth	2	1.2			40	
Tributary #3	North Salt Lake	Canyon Mouth	3	1.3			45	
Hooper Canyon	North Salt Lake	Orchard Drive Canyon Mouth	4	1.4	50	120	160	320
			5	1.0	16	25	33	67
North Canyon	North Salt Lake	Orchard Drive Canyon Mouth	6	3.1	60	170	250	550
			7	2.7	40	70	110	225
Mill Creek	West Bountiful	D&RGW Railroad	8	10.9	220	300	310	310
Barton Creek	West Bountiful	D&RGW Railroad	9	7.4	100	230	250	260
Stone Creek	West Bountiful	D&RGW Railroad	10	6.4	50	230	575	1450
Deuel Creek	West Bountiful	D&RGW Railroad Canyon Mouth	11	3.4	135	280	360	600
	Centerville		12	3.1	35	65	110	300
Parrish Creek	Centerville	D&RGW Railroad Canyon Mouth	13	3.3	50	140	220	550
			14	2.1	30	50	70	200
Barnard Creek	Centerville	D&RGW Railroad Canyon Mouth	15	2.0	70	155	220	500
			16	1.4	20	35	50	130
Ricks Creek	Centerville	D&RGW Railroad Canyon Mouth	17	3.1	110	230	300	520
			18	2.5	45	95	150	400
Unnamed Creek	Davis County	D&RGW Railroad Canyon Mouth	19	1.4	20	70	110	270
			20	0.78	10	20	28	50

CH2M HILL 1997

TABLE 2
Estimated Flood Frequency Discharges at Interstate 15 for Major Stream Channels in Davis County

Natural Channel	10-year Summer Cloudburst (cfs)	25-year Summer Cloudburst (cfs)	100-year Clear Sky Snowmelt (cfs)	100-year Clear Sky Snowmelt with 10-year Spring Cloudburst (for information only) (cfs)
Barton Creek	455	855	373	458
Stone Creek	656	1308	361	485
Deuel Creek	210	410	259	300
Barton, Stone, and Deuel Creek	1080	2015	993	1211
Parrish Creek	184	312	167	207
Barnard Creek	212	407	113	154
Parrish and Barnard Creek	338	662	280	351
Ricks Creek	289	533	194	253
Davis Creek	21	80	127	132
Steed Creek	95	196	211	232
Farmington Creek	Note A	Note A	826	Note A
Rudd Creek	Note A	Note A	58	Note A
Farmington and Rudd Creek	209	441	876	932
Shepard Creek	469	989	190	289
South Fork Holmes Creek	209	432	226	271

Note A - Combines with another drainage before reaching I-15.

Table 3.1
Davis County and Vicinity USGS Gage Records

STATION		AREA	2-YR	10-YR	100-YR	FEMA SNOW 100-YEAR	2Y/ SQ M	10Y/ SQ M	100Y/ SQ M
10143500	CENTERVILLE CREEK NEAR CENTERVILLE	3.15	16	50	(200)	(64)	5	16	63
10172500	CITY CREEK NEAR SALT LAKE CITY	19.2	58	125	294	333	3	7	15
10172000	EMIGRATION CREEK NEAR SALT LAKE CITY	18.4	23	64	206	320	1	3	11
10142000	FARMINGTON CREEK NEAR FARMINGTON	10.0	137	332	600	184	14	33	60
10141500	HOLMES CREEK NEAR KAYSVILLE	2.49	20	60	200	52	8	24	80
10141400	HOWARD SLOUGH AT HOOPER	20.6	162	274	493	355	8	13	24
10145000	MILL CREEK AT BOUNTIFUL	8.79	38	120	435	163	4	14	49
10143000	PARRISH CREEK NEAR CENTERVILLE	2.08	16	40	(150)	(44)	8	19	72
10172200	RED BUTTE CREEK NEAR SALT LAKE CITY	7.25	14	54	254	137	2	7	35
10142500	RICKS CREEK NEAR CENTERVILLE	2.35	21	55	(180)	(49)	9	23	77
10144000	STONE CREEK NEAR BOUNTIFUL	4.48	38	100	370	88	8	22	83
10141393	STORM DRAIN AT SUNSET	0.80	23	96	467	N/A	29	120	584
10145126	STORM DRAIN TO MILL CREEK, BOUNTIFUL	0.87	25	71	232	N/A	29	82	267
10145125	STORM DRAIN E OF ORCH DR, BOUNTIFUL	1.50	35	102	334	N/A	23	68	223

4. PRECIPITATION RUNOFF ANALYSIS CRITERIA

4.1 Introduction

The COE computer program, HEC-1, is used for the calculation of flow hydrographs. Use of HEC-1 with a consistent unit graph for all hydrologic calculations will provide compatible results between the calculated peak flows from smaller developments and the larger watershed master plan in which they are located.

In order to minimize the potential for entering inappropriate or inconsistent input data and to aid the user in developing an error-free HEC-1 input file, the HEC-1 preprocessor, DCPRE, is provided. DCPRE uses HEC-1 compatible methods to generate, combine, and route hydrographs. The DCPRE program can be used for the analysis of existing drainage areas as well as design of drainage systems.

**Culverts at Frontage Road, I-15, UTA, UPRR & Legacy Hwy.
in Centerville City**

#	Description - North/South Location	Frontage Road	I-15	UTA	UPRR	Legacy Hwy.	DRG / UTA Trail	Sheep Road	Comments
1	800 South (Air Products - South Pl.)	42" RCP	42" RCP	-	-	DSB Culvert	DSB	N/A	Drains into Stone Barton Canal east of UTA
2	600 South (Air Products - North Pl.)	18" to 24" type unknown	18" to 24" type unknown	-	-	DSB Culvert	DSB	N/A	This culvert has been identified at the Stone Barton Canal but not on east side of F.R.
3	450 South (Tri-City)	24" CMP	24" CMP	New 24" RCP	24" RCP	DSB	DSB	N/A	Drains into D.C. Channel west of UPRR. Culvert needs to be found on east side of F.R.
4	Deuel Creek (400 South)	54" RCP & 6' x 4' Box Culvert	54" RCP & 6' x 4' Box Culvert	New 10' x 3' Box Culvert & 54" RCP	10' x 2' Bridge & 54" RCP	DSB	DSB	N/A	Drains into new Deuel Creek Channel west of UPRR and then to DSB
5	UDOT system at south PL of Land Rover	unknown	18" CMP	-	-	-	-	-	Drains into Syro Steel system beneath UTA / UPRR
6	Lone Star - Syro Steel	24" CMP - needs upsized	24" CMP - needs upsized	New 36" SSP	New 36" SSP	48"	48"	2 - 36"	Proposed upsized of culvert at F.R. - I-15 to 36" RCP - this drainage ends up behind Legacy Hwy
7	36" System along north side of Parrish Lane	36" RCP	36" CMP - needs replaced	36" CMP - needs replaced	36" CMP - needs replaced	48"	48" RCP	36" RCP - 500' north	the new 48" system was installed at DRG by City
8	McDonald's north PL	24" CMP - needs upsized	30" CMP - needs replaced	New 42" SSP	New 42" SSP	48"	2 - 48" CMP at 725 N.	4 - 36" CMP at 725 N.	System through Jett Taylor's and along 650 North needs to be upsized and replaced
9	Creekview Drive	24" CMP - needs replaced	24" CMP - needs replaced	-	-	-	-	-	combines with McDonald's system east of UTA
10	Parrish Creek	New 48" RCP	42" CMP - needs replaced	New 36" RCP	36" RCP	54"	Goes to 725 N. systems	Goes to 725 N. systems	if this system overflows west of F.R. it would go to McDonald's system
11	Chase Lane Overflow	54" RCP	54" RCP	54" RCP & New 54" SSP	54" RCP & New 54" SSP	New 22' x 4' Box Culvert - verify	72' x 44' CMP Need new large culvert	36" ADS Need new large culvert	restriction at F.R. - I-15, and 950 West compared to UTA, UPRR & Legacy Hwy. - also need new system at DRG and Sheep Road
12	Barnard Creek	New 36" RCP	15" to 24" CMP	New 30" SSP	New 30" SSP	42"	36" CMP	2 - 36" ADS	24" system beneath UDOT shed properly needs upsized to 36" and possibly no easement
13	Community Park South	42" CMP	42" CMP	New 42" SSP	New 42" SSP	42"	36" CMP	2 - 36" ADS	additional culvert needed at DRG
14	Community Park North	24" CMP	24" CMP	24" CMP	24" CMP	42" (combined with 14)	18" CMP	36" ADS	drains into diagonal ditch
15	Sub-drain Station	18" CMP or RCP?	18" CMP or RCP?	24" CMP	24" CMP	42" (combined with 14)	-	-	Drains into diagonal ditch - outlet grade is too low
16	Ricks Creek	New 10' x 3' Box Culvert	42" CMP - needs upsized	New 2 - 48" SSP	New 2 - 48" SSP	5' x 12' Box Culvert - verify	72' x 44' CMP & 36" CMP	3 - 36" CMP	additional culverts needed at DRG and Sheep Road
17	Villa de France	24" CMP - needs replaced	24" CMP - needs replaced	24" RCP	24" RCP	24" ADS - verify	-	-	combines with Lexington drainage west of UPRR
18	Lexington Park	24" CMP - needs replace	24" CMP - needs replaced	New 24" SSP	New 24" SSP	24" ADS - verify	24" RCP - needs upsized	12" CMP - needs upsized	need new 36" systems at DRG and Sheep Road
19	Abe Miller & South PL of Woods	24" CMP	24" CMP	-	-	-	-	-	both systems overflow east of UTA and go to Lexington system or sub beneath UTA/UPRR
20	Lund Lane	24" CMP - needs upsized	24" CMP - needs upsized	24" RCP - needs upsized	12" CMP - needs upsized	36" ADS	-	-	Flows into Farmington and crosses DRG and Sheep Road in Davis Creek system

36" SSP 36" SSP 36" SSP 36" SSP
Centerville City - Storm Drain Master Plan Update 2013
ESI Engineering, Inc

Appendix A

Centerville City Storm Drain Area Maps

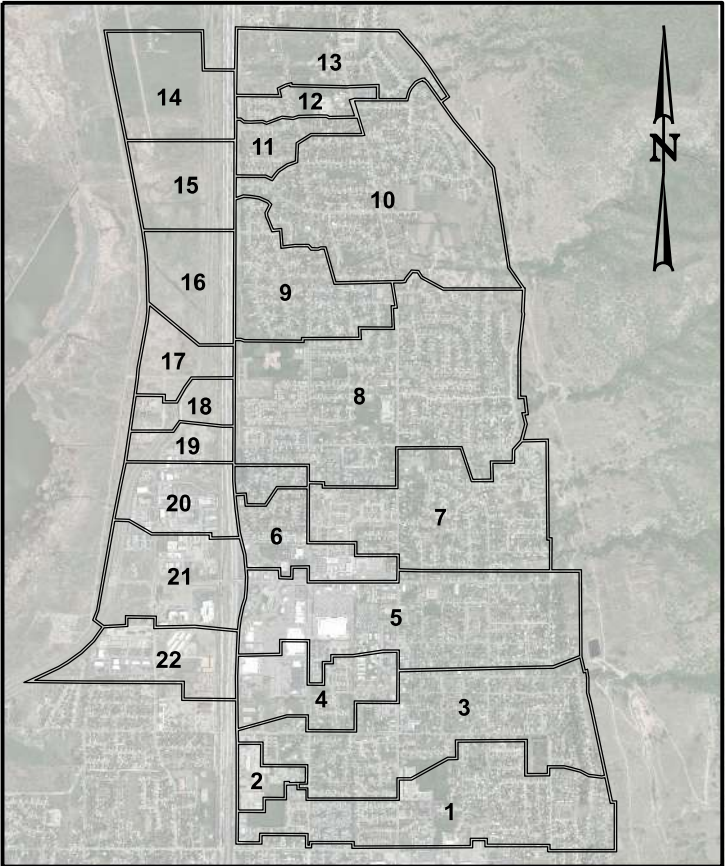
PIPE SIZE (IN INCHES)

	COUNTY
	PRIVATE
	STATE
	4
	6
	8
	10
	12
	15
	18
	21
	24
	30
	36
	42
	48
	54
	60
	72

DRAINAGE AREA STATISTICS

DRAINAGE AREA 1 = 239.1 AC
DRAINAGE AREA 2 = 27.0 AC
DRAINAGE AREA 3 = 267.9 AC
DRAINAGE AREA 4 = 97.6 AC
DRAINAGE AREA 5 = 283.4 AC
DRAINAGE AREA 6 = 76.9 AC
DRAINAGE AREA 7 = 240.6 AC
DRAINAGE AREA 8 = 419.6 AC
DRAINAGE AREA 9 = 132.5 AC
DRAINAGE AREA 10 = 333.7 AC
DRAINAGE AREA 11 = 42.6 AC
DRAINAGE AREA 12 = 35.4 AC
DRAINAGE AREA 13 = 108.0 AC
DRAINAGE AREA 14 = 112.7 AC
DRAINAGE AREA 15 = 85.7 AC
DRAINAGE AREA 16 = 85.1 AC
DRAINAGE AREA 17 = 49.7 AC
DRAINAGE AREA 18 = 37.8 AC
DRAINAGE AREA 19 = 35.2 AC
DRAINAGE AREA 20 = 77.4 AC
DRAINAGE AREA 21 = 124.3 AC
DRAINAGE AREA 22 = 96.5 AC

CITY AERIAL



INDEX TO SHEETS

SHEET NO.	DESCRIPTION
1	LEGEND & SHEET INDEX
2	OVERALL STORM DRAIN MASTER PLAN & DRAINAGE AREAS
3	STORM DRAINAGE AREAS 1 & 2
4	STORM DRAINAGE AREAS 3 & 4
5	STORM DRAINAGE AREA 5
6	STORM DRAINAGE AREAS 6 & 7
7	STORM DRAINAGE AREA 8
8	STORM DRAINAGE AREA 9
9	STORM DRAINAGE AREA 10
10	STORM DRAINAGE AREAS 11, 12, & 13
11	STORM DRAINAGE AREAS 14 & 15
12	STORM DRAINAGE AREAS 16 & 17
13	STORM DRAINAGE AREAS 18, 19, & 20
14	STORM DRAINAGE AREAS 21 & 22
15	OVERALL SUB-SURFACE MASTER PLAN & DRAINAGE AREAS
16	SUB-DRAIN DRAINAGE AREA 1
17	SUB-DRAIN DRAINAGE AREA 2
18	SUB-DRAIN DRAINAGE AREA 3

SURFACE FEATURES

	BOX CULVERT
	DETENTION AREA
	DRAINAGE AREA
1	DRAINAGE AREA ZONE
	OPEN WATERWAY

ABBREVIATIONS

CMP	CORRUGATED METAL PIPE
DC	DAVIS COUNTY
HDPE	HIGH DENSITY POLYETHYLENE
PVC	POLY VINYL CHLORIDE
RCP	REINFORCED CONCRETE PIPE
SH	SHEET NUMBER
SLPC	SMOOTH LINED PIPE CULVERT

REVISION	DATE	BY	DESCRIPTION	DESIGN
				PSB
				PSB
				KLC
				DATE 06/05/2023

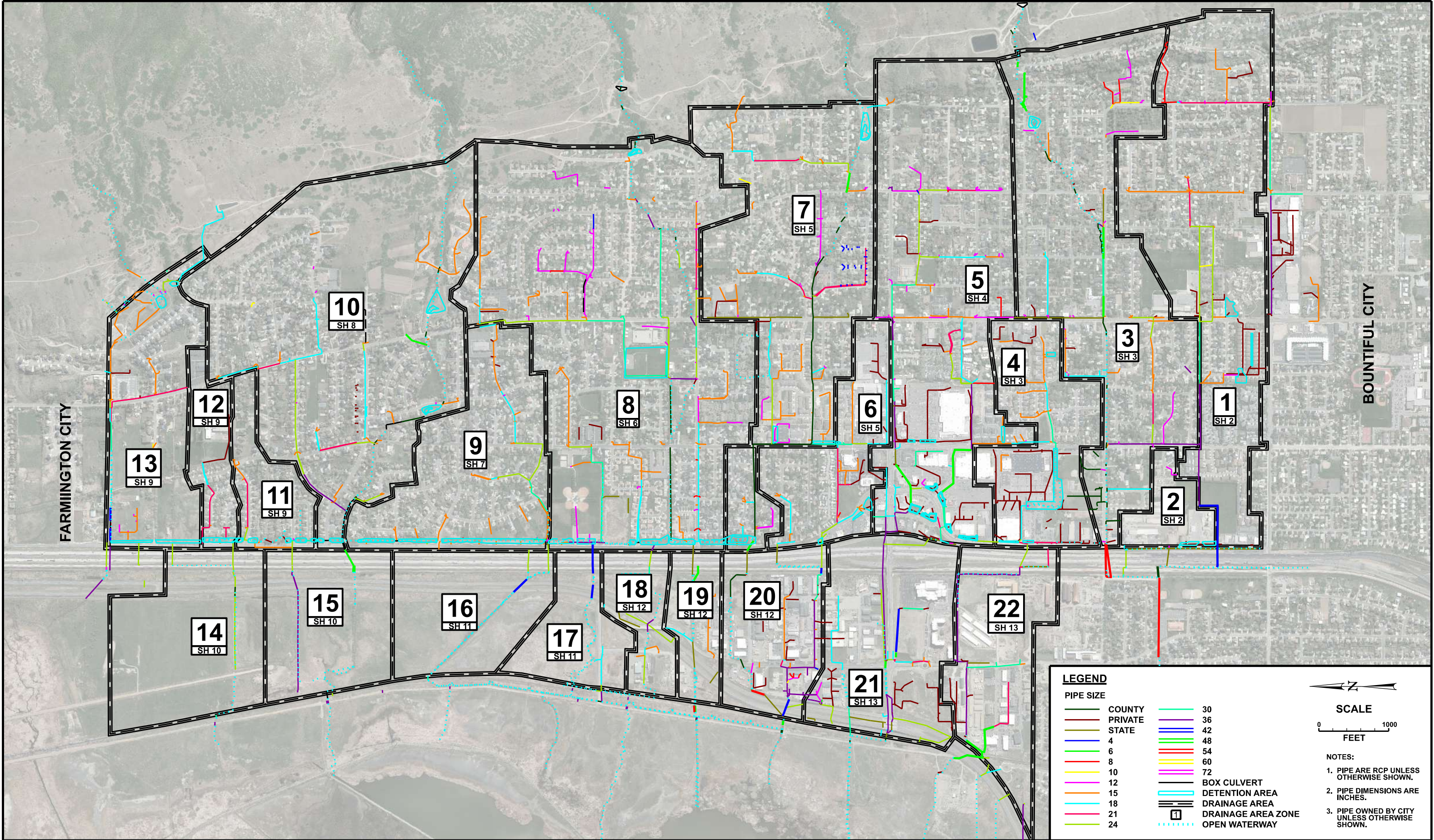
LEGEND & SHEET INDEX

CENTERVILLE CITY
STORM DRAIN MASTER PLAN



ESI ENGINEERING
CIVIL - STRUCTURAL - LAND SURVEY
4141 WEST 2100 SOUTH, SUITE 100
WEST VALLEY, UTAH 84120
TEL: (801) 263-1752

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OVERALL STORM DRAIN MASTER PLAN
& DRAINAGE AREAS

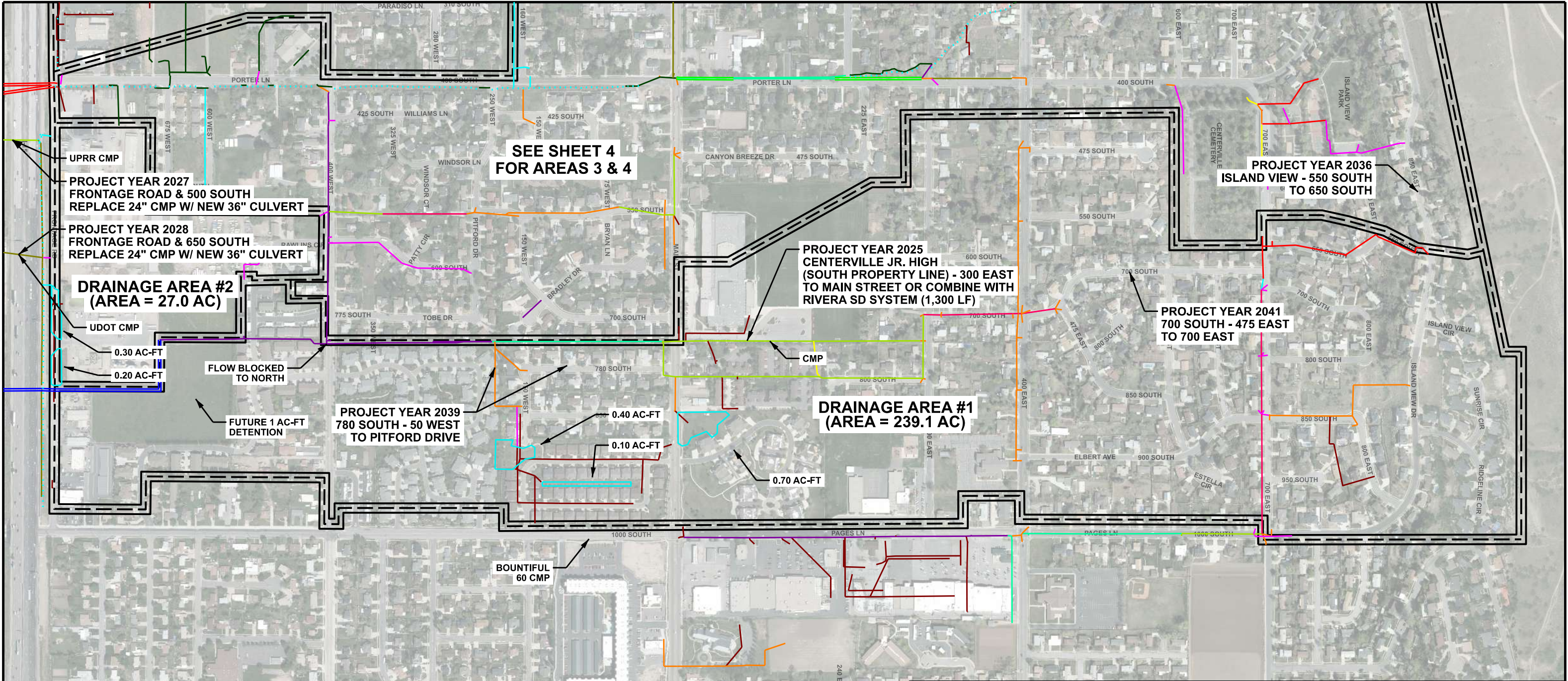
CENTERVILLE CITY
STORM DRAIN MASTER PLAN



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SHEET 2
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20-131



LEGEND

PIPE SIZE	
COUNTY	42
PRIVATE	48
STATE	54
4	60
6	72
8	BOX CULVERT
10	DETENTION AREA
12	DRAINAGE AREA
15	OPEN WATERWAY
18	CMP
21	DC
24	HDPE
30	PVC
36	RCP
	SLPC

KEY MAP

SCALE

0 500 FEET

NOTES:

- PIPE ARE RCP UNLESS OTHERWISE SHOWN.
- PIPE DIMENSIONS ARE INCHES.
- PIPE OWNED BY CITY UNLESS OTHERWISE SHOWN.

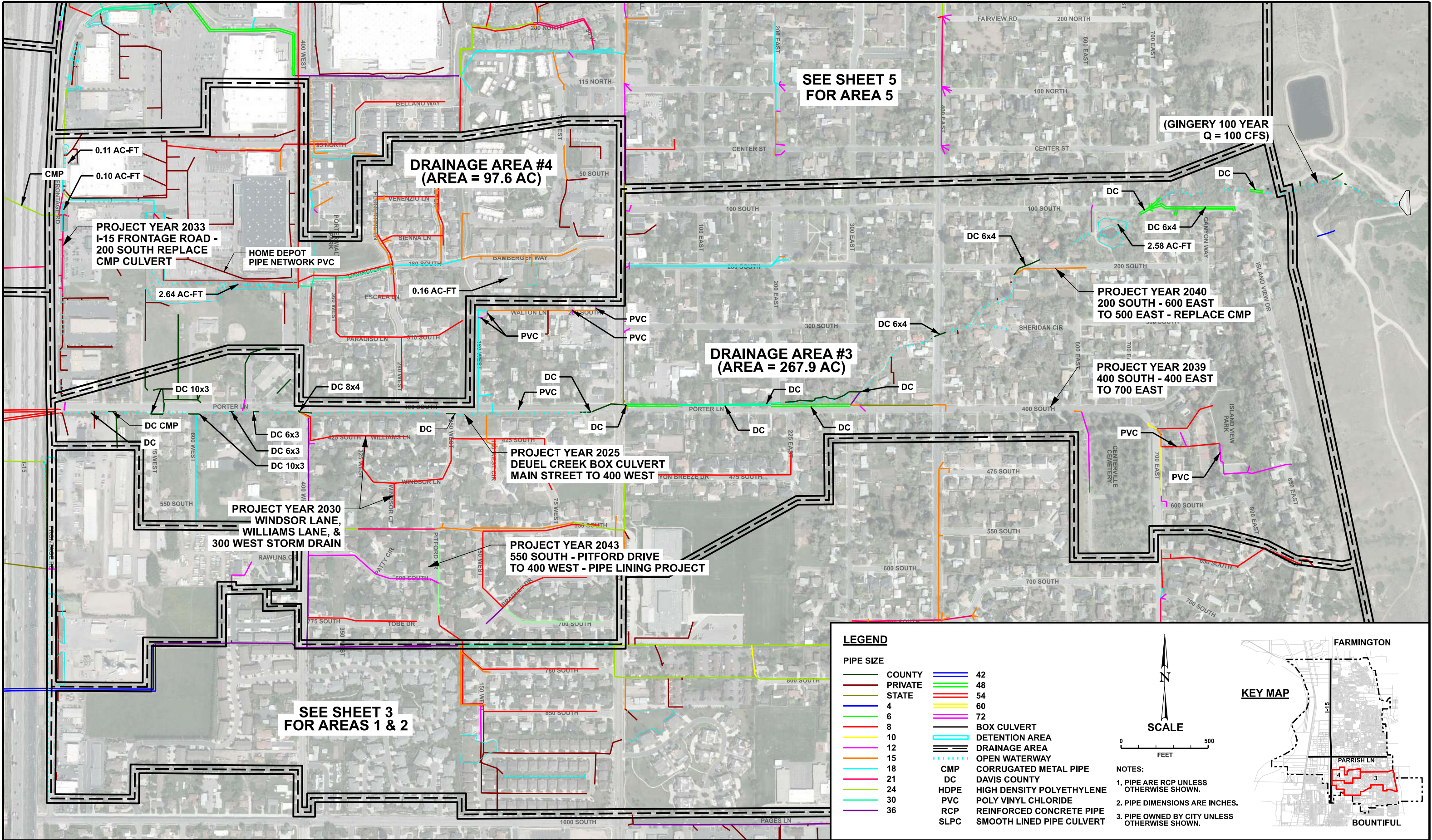
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				KLC
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STORM DRAINAGE AREAS 1 & 2

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STORM DRAIN MASTER PLAN**

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				06/05/2023

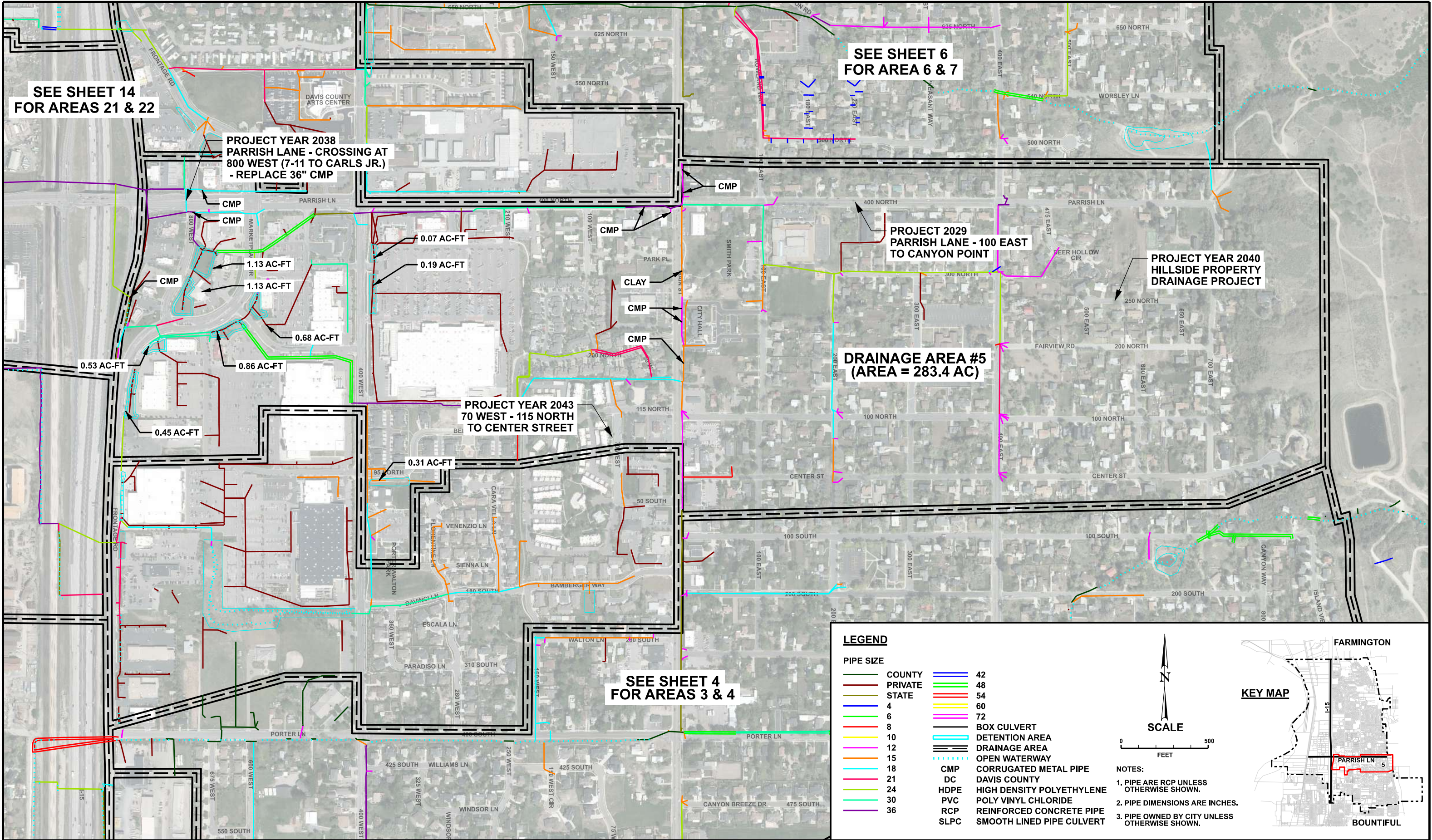
STORM DRAINAGE AREAS 3 & 4

CENTERVILLE CITY
STORM DRAIN MASTER PLAN



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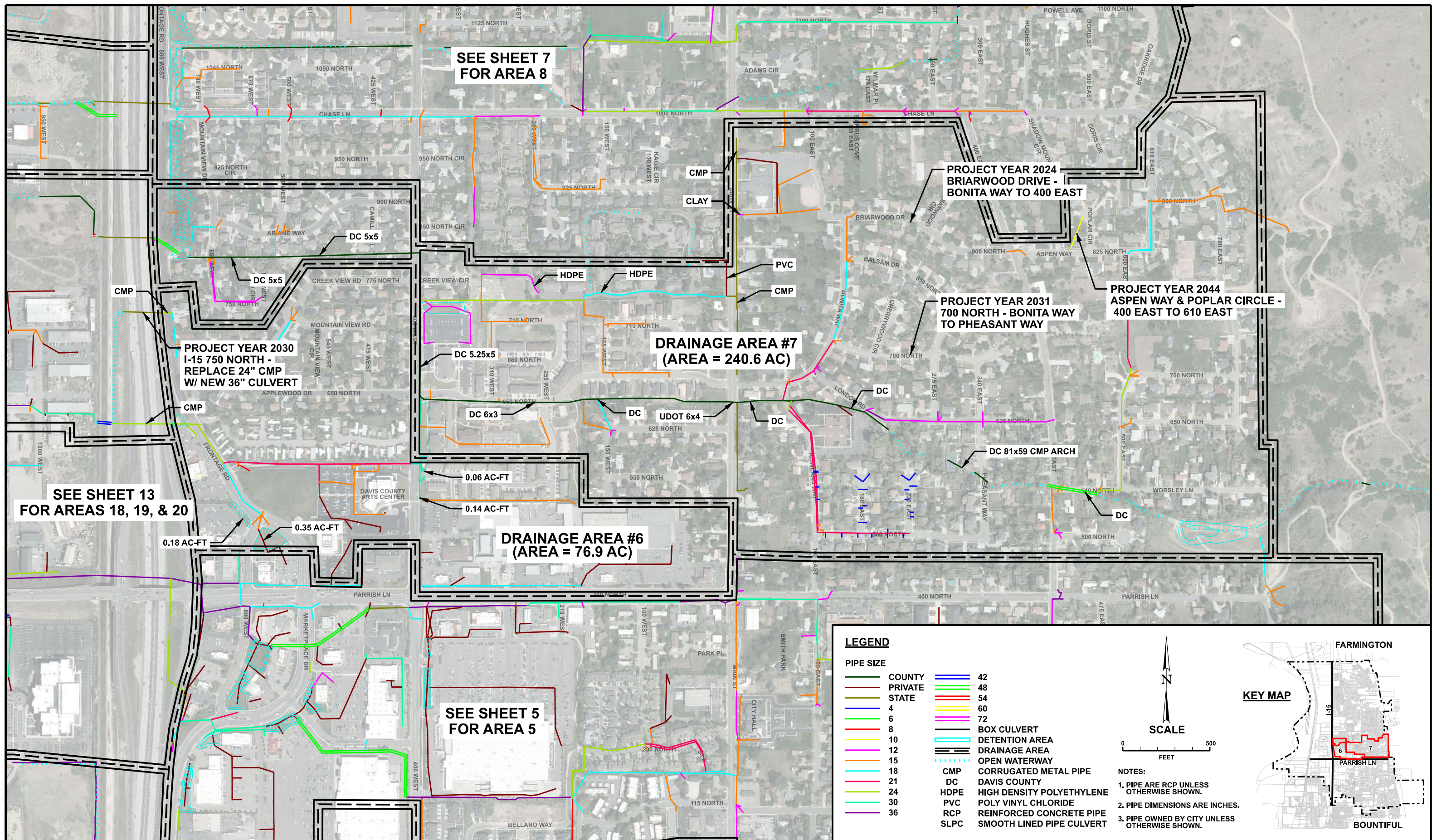
STORM DRAINAGE AREA 5

CENTERVILLE CITY
STORM DRAIN MASTER PLAN



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				DATE 06/05/2023

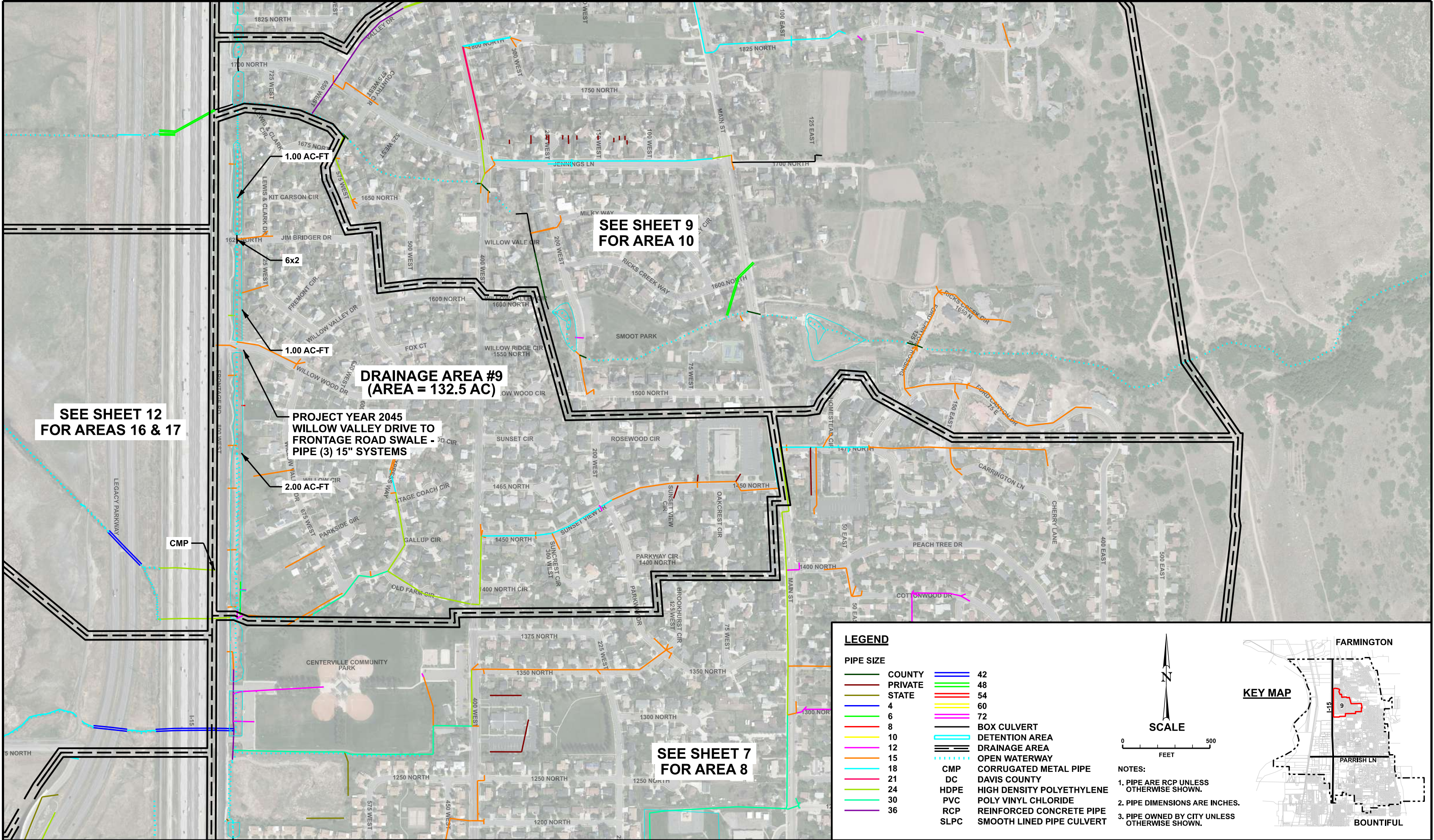
STORM DRAINAGE AREAS 6 & 7

CENTERVILLE CITY STORM DRAIN MASTER PLAN



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STORM DRAINAGE AREA 9

CENTERVILLE CITY
STORM DRAIN MASTER PLAN

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SHEET 8

OF 18

PROJECT NO.

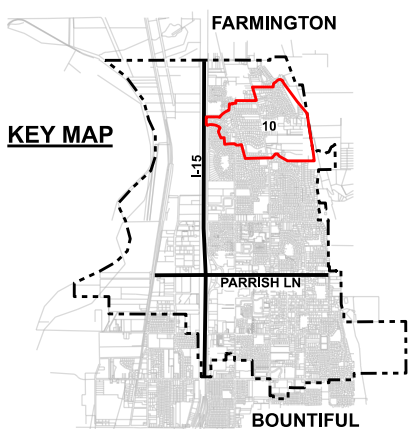
20-131

LEGEND

PIPE SIZE

COUNTY	42
PRIVATE	48
STATE	54
4	60
6	72
8	BOX CULVERT
10	DETENTION AREA
12	DRAINAGE AREA
15	OPEN WATERWAY
18	CMP CORRUGATED METAL PIPE
21	DC DAVIS COUNTY
24	HDPE HIGH DENSITY POLYETHYLENE
30	PVC POLY VINYL CHLORIDE
36	RCP REINFORCED CONCRETE PIPE
	SLPC SMOOTH LINED PIPE CULVERT

- NOTES:
1. PIPE ARE RCP UNLESS OTHERWISE SHOWN.
 2. PIPE DIMENSIONS ARE INCHES.
 3. PIPE OWNED BY CITY UNLESS OTHERWISE SHOWN.



SEE SHEET 10
FOR AREAS 11, 12 & 13

PROJECT YEAR 2046
1975 NORTH - MAIN STREET
TO 150 EAST

PROJECT YEAR 2046
1825 NORTH - MAIN STREET
TO 300 EAST

PROJECT YEAR 2045
MAIN STREET - 1600 NORTH
TO SMOOT PARK

(GINGERY 100 YR
Q = 150 CFS)

DRAINAGE AREA #10
(AREA = 333.7 AC)

SEE SHEET 9
FOR AREA 10

SEE SHEET 8
FOR AREA 9

0.14 AC-FT

0.38 AC-FT

DC 10x3

UDOT

CMP

UDOT

UDOT

UDOT

CMP

DC CMP
81x59 ARCH

DC CMP
CONCRETE
LINED BOTTOM

1.16 AC-FT

DC CMP

CMP

DC 72 CMP

6.68 AC-FT

REVISION	DATE	BY	DESCRIPTION

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DATE	06/05/2023

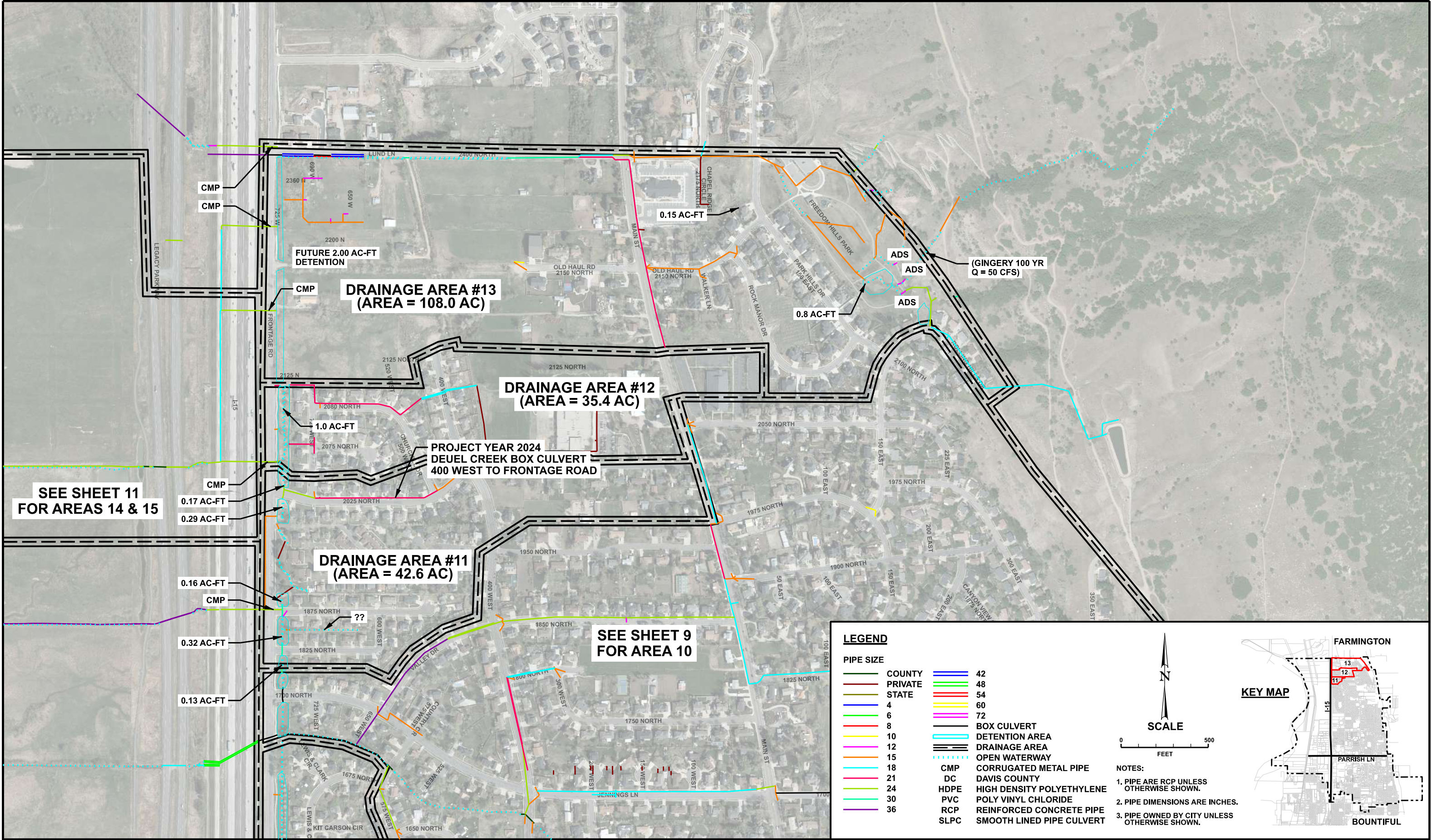
STORM DRAINAGE AREA 10

CENTERVILLE CITY
STORM DRAIN MASTER PLAN



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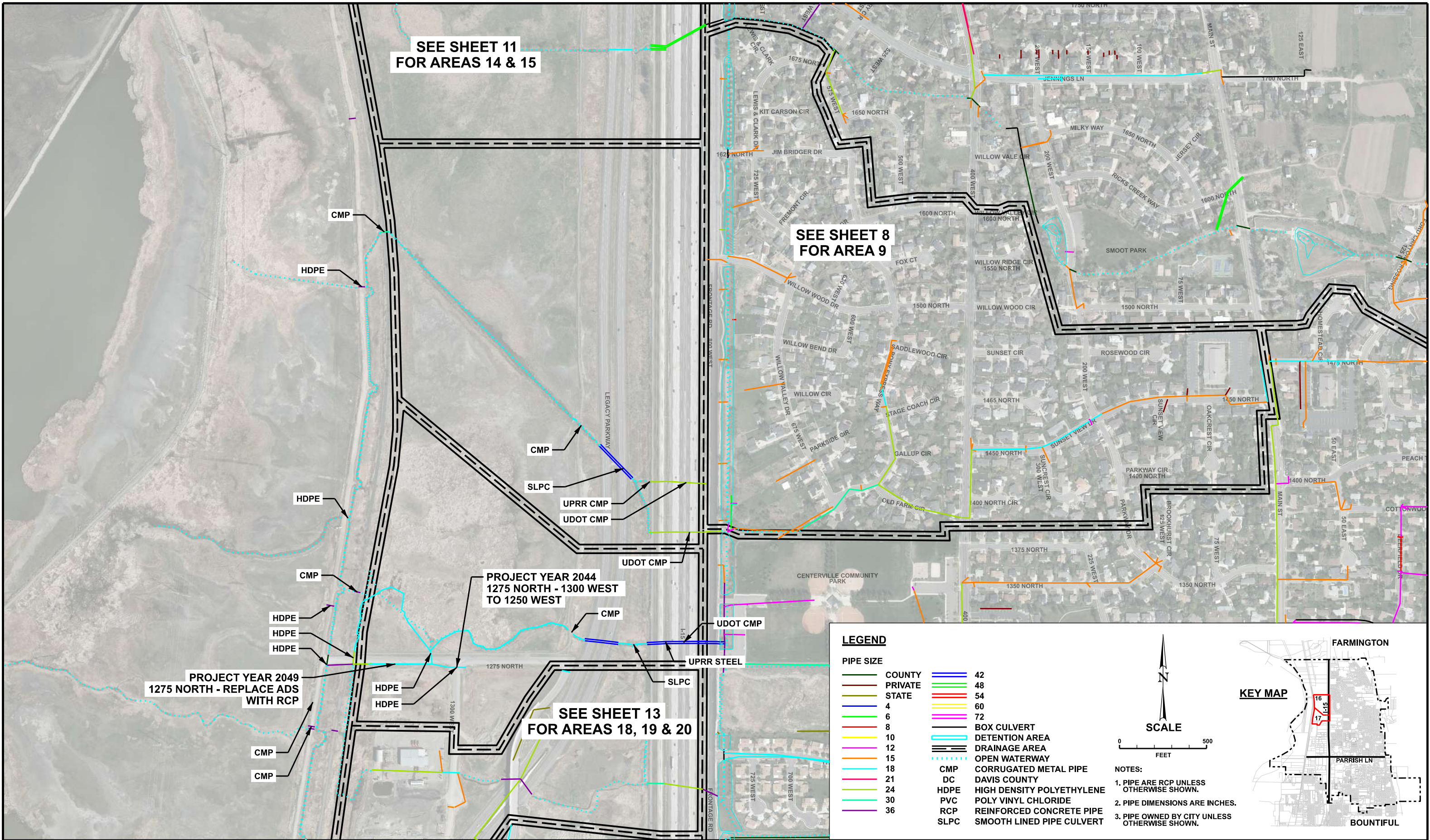
STORM DRAINAGE AREAS 11, 12, & 13

**CENTERVILLE CITY
STORM DRAIN MASTER PLAN**



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OF	18
PROJECT NO.	20-131



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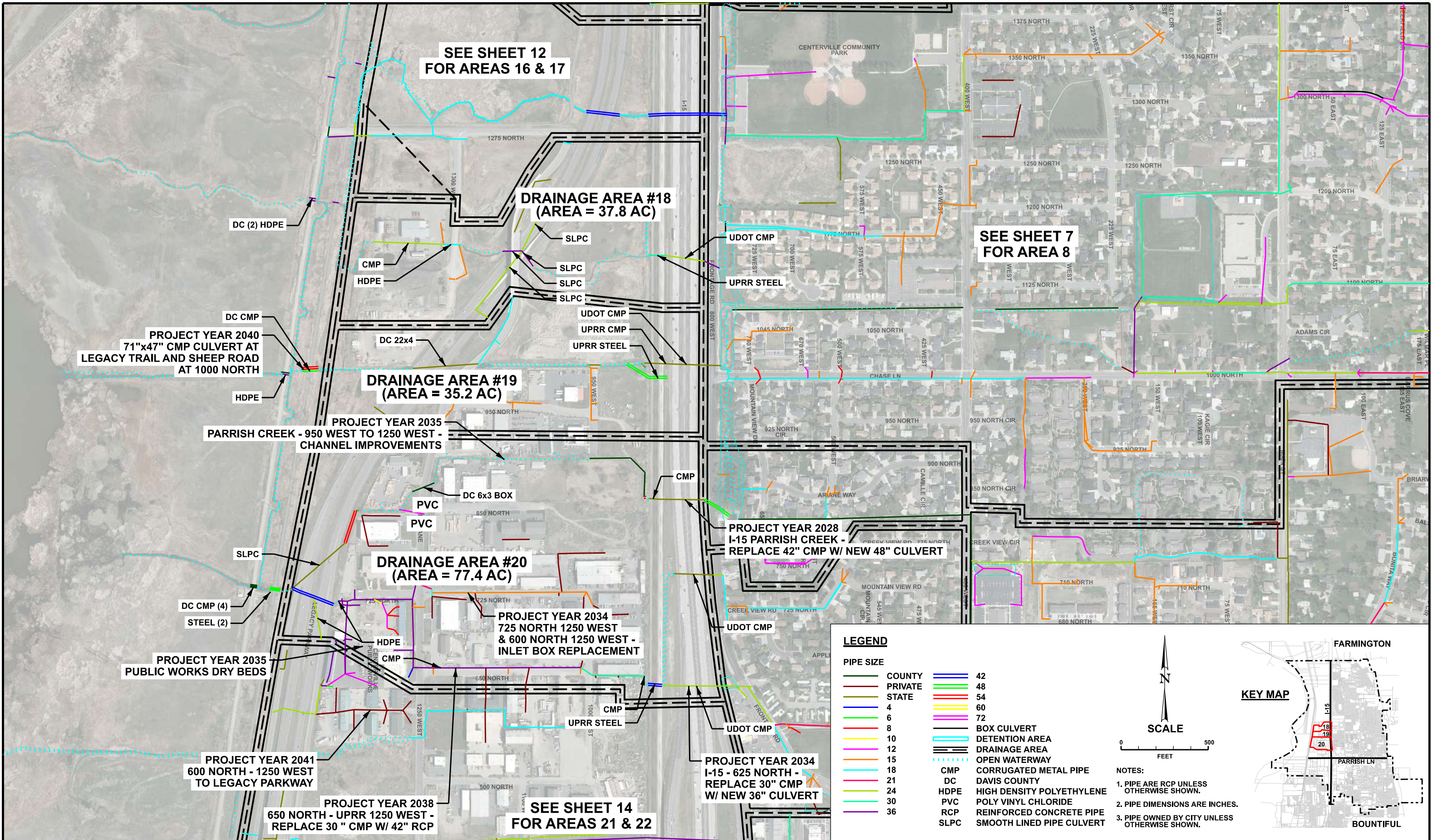
STORM DRAINAGE AREAS 16 & 17

**CENTERVILLE CITY
STORM DRAIN MASTER PLAN**



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DATE	06/05/2023

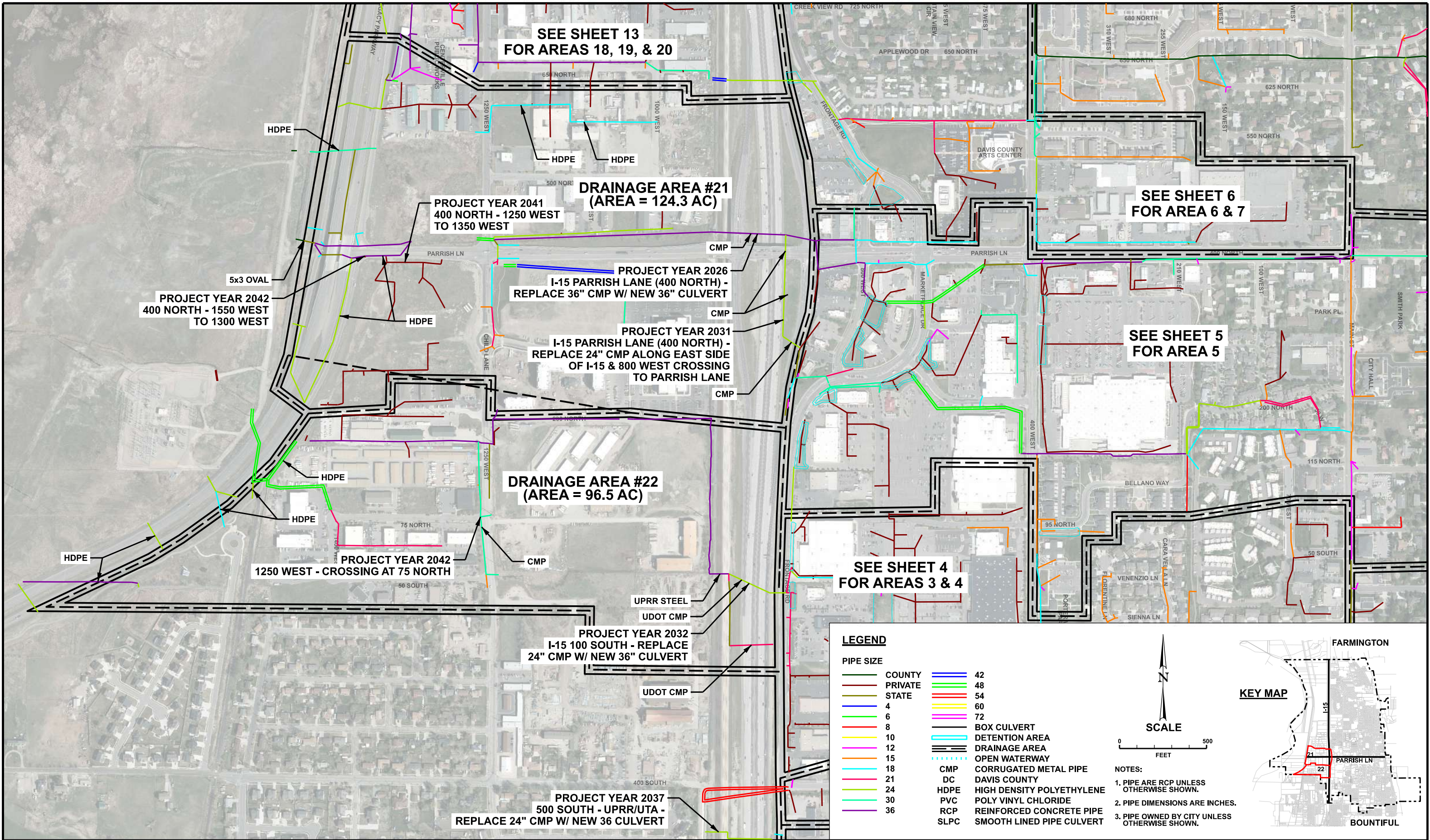
STORM DRAINAGE AREAS 18, 19, & 20

CENTERVILLE CITY STORM DRAIN MASTER PLAN



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REVISION	DATE	BY	DESCRIPTION	DESIGN
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				DATE
				06/05/2023

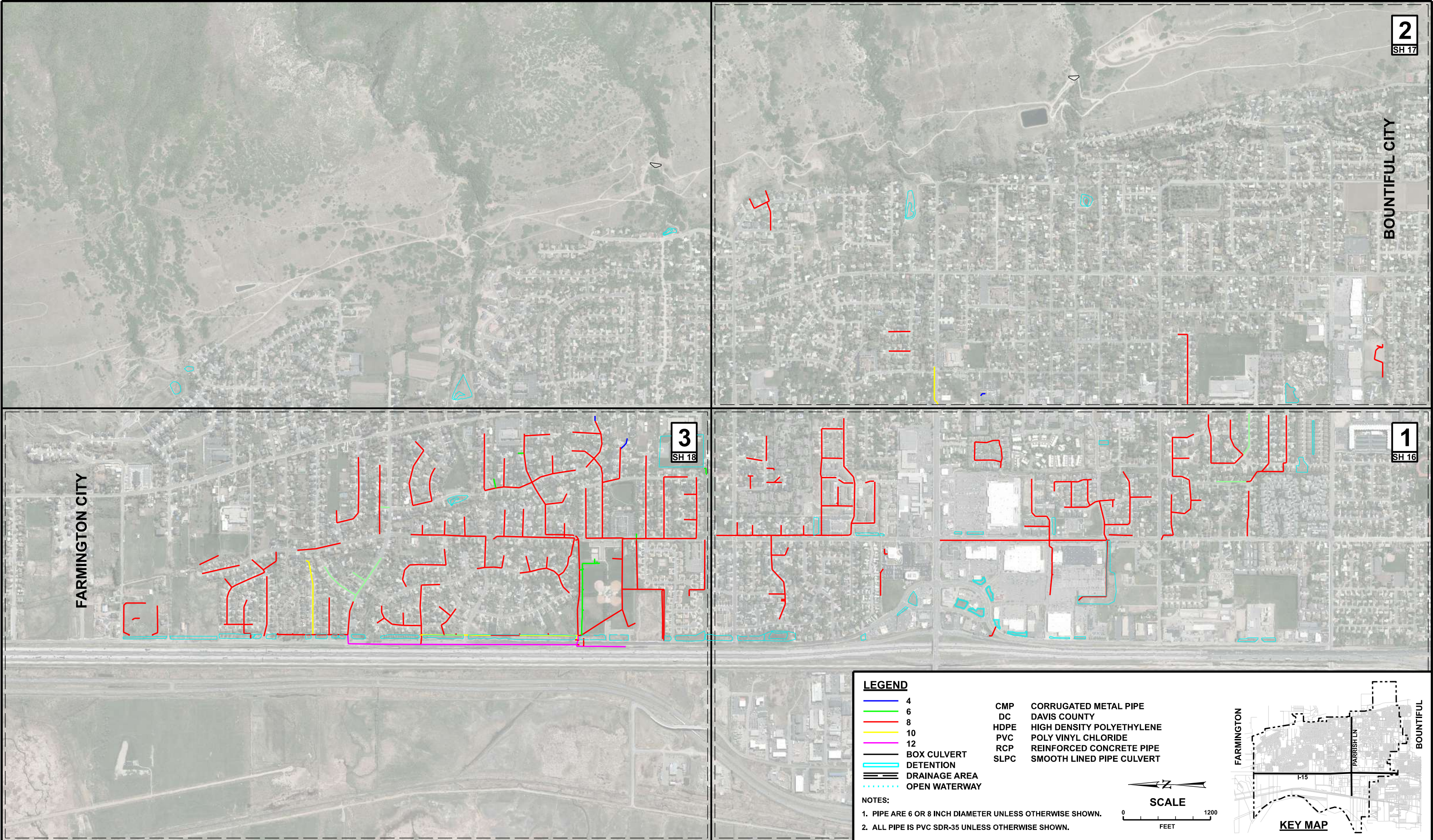
STORM DRAINAGE AREAS 21 & 22	
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CENTERVILLE CITY STORM DRAIN MASTER PLAN	
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				DATE
				06/08/2023

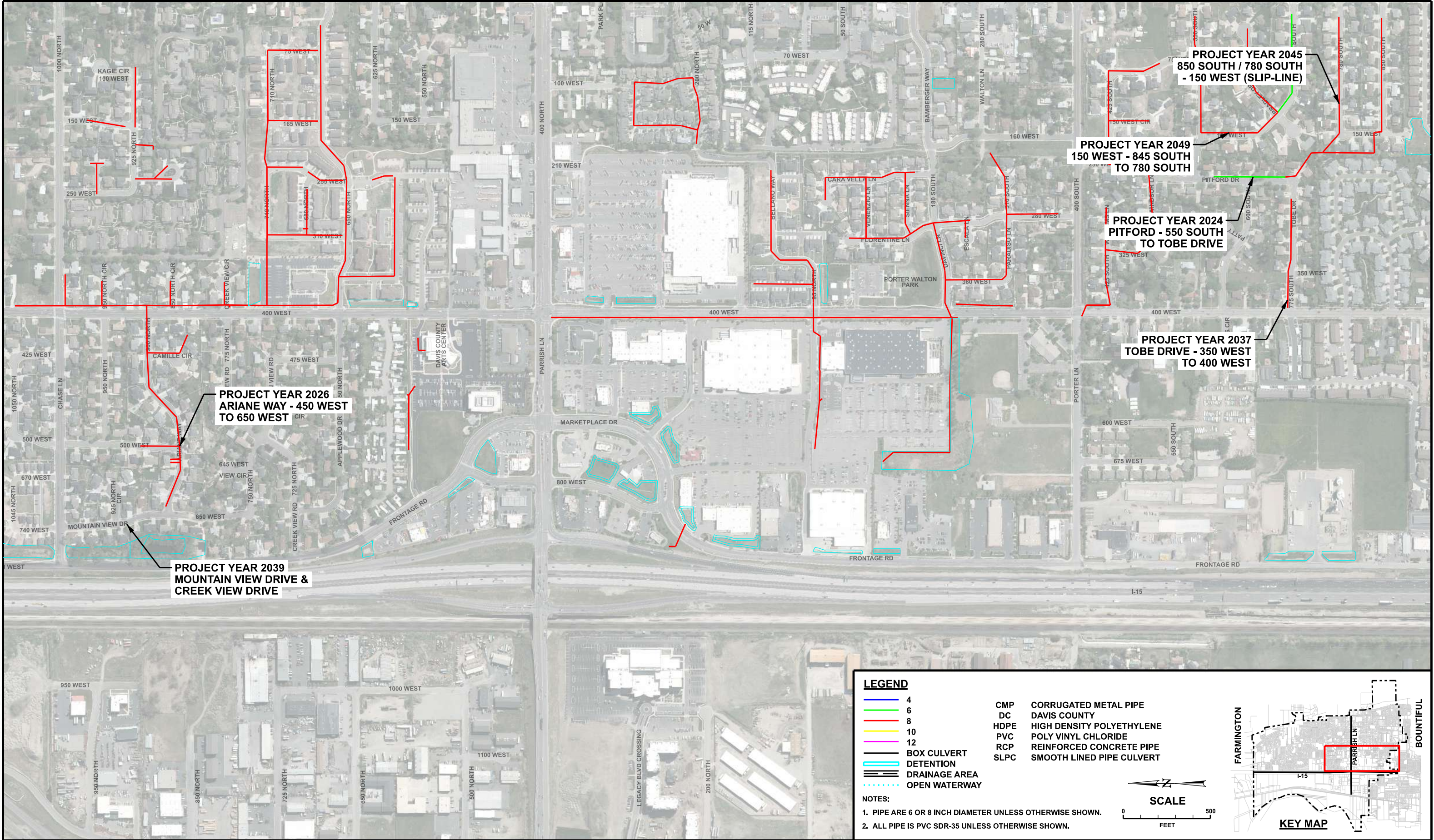
OVERALL SUB-SURFACE
MASTER PLAN & DRAINAGE AREAS

CENTERVILLE CITY
STORM DRAIN MASTER PLAN



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PROJECT NO.
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REVISION	DATE	BY	DESCRIPTION	DESIGN
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				PSB
				KLC
				DATE
				06/05/2023

SUB-DRAIN DRAINAGE AREA 1

CENTERVILLE CITY
STORM DRAIN MASTER PLAN



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SHEET 16
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20-131

PROJECT YEAR 2047
FREEDOM HILLS PARK
SOUTH EAST CORNER
SUB-DRAIN & DUNCAN SPRING

PROJECT YEAR 2031
1600 NORTH (RICKS CREEK WAY) -
100 WEST TO 200 WEST

PROJECT YEAR 2032
1650 NORTH (MILKY WAY) -
100 WEST TO 200 WEST

PROJECT YEAR 2044
100 WEST CUL-DE-SAC
ON 1450 NORTH

PROJECT YEAR 2029
1850 NORTH - 100 WEST
TO 400 WEST

PROJECT YEAR 2030
1500 NORTH CUL-DE-SAC
ON 400 WEST

PROJECT YEAR 2033
1800 NORTH - 300 WEST
TO 400 WEST

PROJECT YEAR 2043
400 WEST - 1500 NORTH
TO 1375 NORTH

PROJECT YEAR 2046
LUND LANE - 700 WEST
TO 200 WEST

PROJECT YEAR 2048
2100 NORTH - 400 WEST
TO CHURCHILL DRIVE
(IN BACKYARDS OF 2115 NORTH
& 2101 NORTH)

PROJECT YEAR 2050
2075 NORTH / 725 WEST

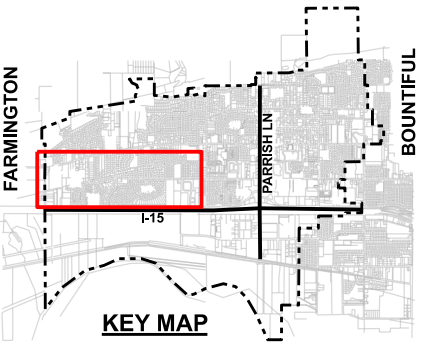
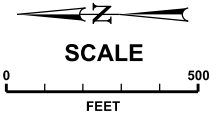
PROJECT YEAR 2034
LEWIS & CLARK DRIVE -
FREMONT CIRCLE TO JIM BRIDGER DRIVE
/FRONTAGE ROAD CROSSING

LEGEND

- | | | |
|---------------|------|---------------------------|
| 4 | CMP | CORRUGATED METAL PIPE |
| 6 | DC | DAVIS COUNTY |
| 8 | HDPE | HIGH DENSITY POLYETHYLENE |
| 10 | PVC | POLY VINYL CHLORIDE |
| 12 | RCP | REINFORCED CONCRETE PIPE |
| | SLPC | SMOOTH LINED PIPE CULVERT |
| BOX CULVERT | | |
| DETENTION | | |
| DRAINAGE AREA | | |
| OPEN WATERWAY | | |

NOTES:

- PIPE ARE 6 OR 8 INCH DIAMETER UNLESS OTHERWISE SHOWN.
- ALL PIPE IS PVC SDR-35 UNLESS OTHERWISE SHOWN.



REVISION	DATE	BY	DESCRIPTION	DESIGN
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				PSB
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SUB-DRAIN DRAINAGE AREA 3

CENTERVILLE CITY
STORM DRAIN MASTER PLAN



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SHEET 18
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PROJECT NO.
20-131

Appendix B

Centerville City NOAA Rainfall Data



NOAA Atlas 14, Volume 1, Version 5
Location name: Centerville, Utah, USA*
Latitude: 40.9202°, Longitude: -111.879°
Elevation: 4290 ft**
 * source: ESRI Maps
 ** source: USGS



POINT PRECIPITATION FREQUENCY ESTIMATES

Sanja Perica, Sarah Dietz, Sarah Heim, Lillian Hiner, Kazungu Maitaria, Deborah Martin, Sandra Pavlovic, Ishani Roy, Carl Trypaluk, Dale Unruh, Fenglin Yan, Michael Yekta, Tan Zhao, Geoffrey Bonnin, Daniel Brewer, Li-Chuan Chen, Tye Parzybok, John Yarchoan

NOAA, National Weather Service, Silver Spring, Maryland

[PF_tabular](#) | [PF_graphical](#) | [Maps_&_aerials](#)

PF tabular

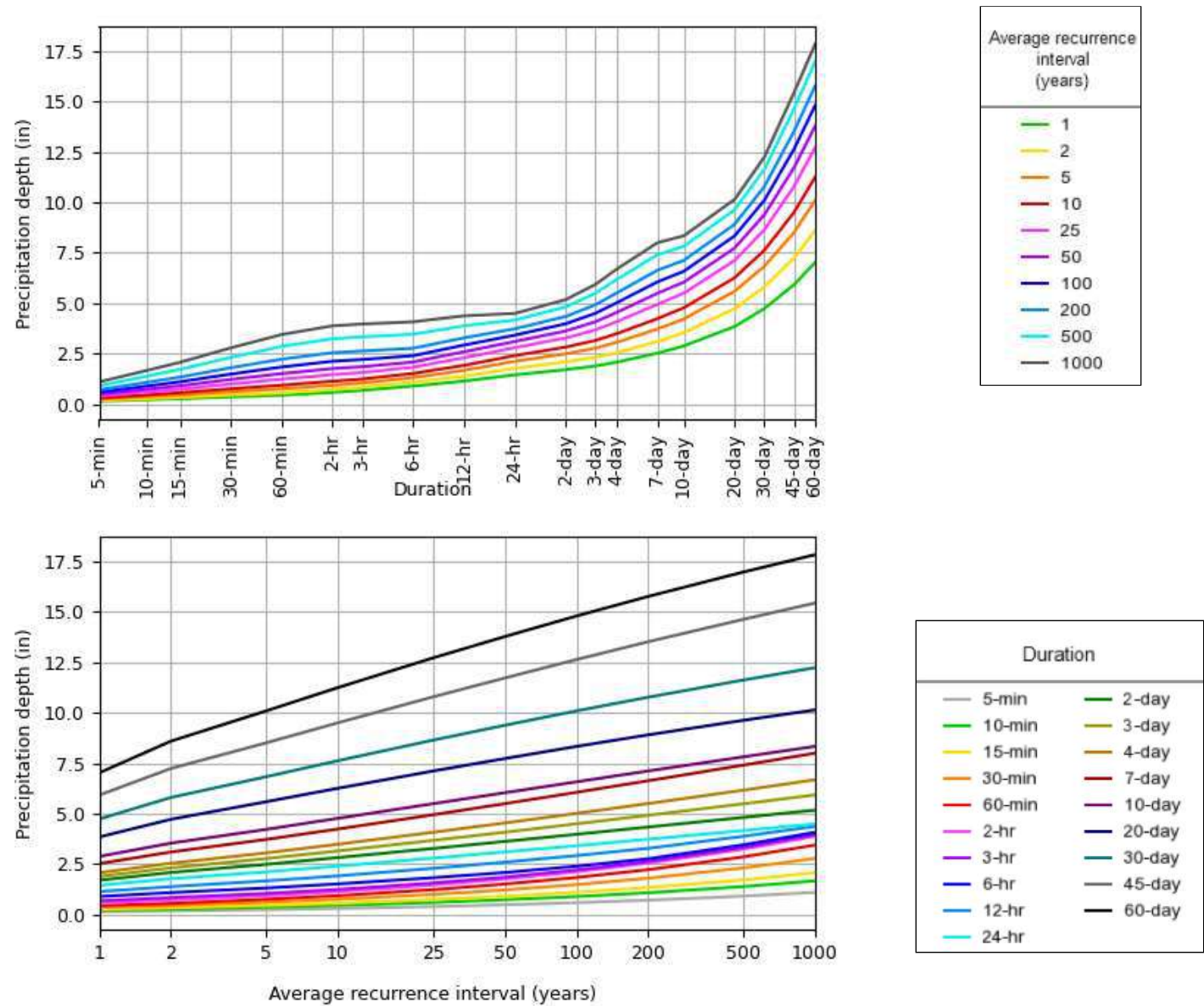
PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches) ¹										
Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	0.138 (0.119-0.162)	0.174 (0.152-0.206)	0.238 (0.205-0.280)	0.296 (0.252-0.350)	0.390 (0.324-0.465)	0.479 (0.386-0.576)	0.583 (0.454-0.708)	0.707 (0.529-0.875)	0.907 (0.644-1.16)	1.09 (0.741-1.43)
10-min	0.210 (0.182-0.247)	0.265 (0.230-0.313)	0.362 (0.312-0.427)	0.450 (0.384-0.532)	0.594 (0.494-0.707)	0.729 (0.588-0.876)	0.887 (0.692-1.08)	1.08 (0.806-1.33)	1.38 (0.980-1.76)	1.66 (1.13-2.17)
15-min	0.260 (0.225-0.307)	0.329 (0.285-0.388)	0.449 (0.387-0.529)	0.558 (0.476-0.660)	0.736 (0.612-0.877)	0.903 (0.728-1.09)	1.10 (0.857-1.34)	1.33 (0.999-1.65)	1.71 (1.22-2.18)	2.06 (1.40-2.70)
30-min	0.351 (0.304-0.413)	0.443 (0.384-0.523)	0.605 (0.521-0.712)	0.751 (0.640-0.888)	0.992 (0.824-1.18)	1.22 (0.981-1.46)	1.48 (1.16-1.80)	1.79 (1.34-2.22)	2.30 (1.64-2.94)	2.78 (1.88-3.63)
60-min	0.434 (0.376-0.511)	0.548 (0.476-0.647)	0.748 (0.645-0.881)	0.930 (0.793-1.10)	1.23 (1.02-1.46)	1.51 (1.21-1.81)	1.83 (1.43-2.22)	2.22 (1.66-2.75)	2.85 (2.02-3.63)	3.44 (2.33-4.49)
2-hr	0.574 (0.509-0.660)	0.716 (0.636-0.826)	0.927 (0.816-1.07)	1.13 (0.981-1.30)	1.45 (1.24-1.70)	1.75 (1.45-2.06)	2.12 (1.69-2.52)	2.54 (1.96-3.10)	3.23 (2.35-4.05)	3.87 (2.69-4.98)
3-hr	0.675 (0.607-0.763)	0.833 (0.749-0.943)	1.04 (0.927-1.18)	1.24 (1.09-1.40)	1.56 (1.35-1.78)	1.85 (1.56-2.14)	2.20 (1.82-2.58)	2.63 (2.10-3.14)	3.32 (2.53-4.08)	3.96 (2.89-5.00)
6-hr	0.887 (0.813-0.973)	1.08 (0.994-1.19)	1.31 (1.19-1.44)	1.51 (1.37-1.67)	1.82 (1.62-2.02)	2.08 (1.83-2.32)	2.39 (2.06-2.71)	2.76 (2.32-3.18)	3.45 (2.81-4.12)	4.07 (3.23-5.05)
12-hr	1.13 (1.03-1.24)	1.38 (1.26-1.52)	1.66 (1.52-1.84)	1.91 (1.73-2.11)	2.28 (2.04-2.54)	2.59 (2.28-2.90)	2.92 (2.53-3.31)	3.28 (2.78-3.77)	3.87 (3.19-4.56)	4.37 (3.51-5.25)
24-hr	1.44 (1.33-1.57)	1.77 (1.63-1.93)	2.11 (1.94-2.29)	2.40 (2.20-2.60)	2.79 (2.55-3.03)	3.10 (2.82-3.36)	3.41 (3.09-3.71)	3.73 (3.37-4.06)	4.16 (3.72-4.60)	4.49 (3.99-5.30)
2-day	1.70 (1.57-1.85)	2.08 (1.92-2.26)	2.48 (2.29-2.70)	2.82 (2.60-3.06)	3.27 (3.00-3.55)	3.62 (3.31-3.93)	3.97 (3.62-4.33)	4.33 (3.92-4.73)	4.81 (4.32-5.27)	5.17 (4.61-5.69)
3-day	1.88 (1.73-2.05)	2.31 (2.13-2.52)	2.77 (2.55-3.02)	3.15 (2.89-3.43)	3.67 (3.36-4.00)	4.08 (3.71-4.44)	4.49 (4.07-4.90)	4.92 (4.43-5.38)	5.48 (4.90-6.03)	5.92 (5.25-6.54)
4-day	2.07 (1.90-2.26)	2.54 (2.33-2.77)	3.05 (2.80-3.33)	3.48 (3.19-3.80)	4.07 (3.72-4.44)	4.53 (4.12-4.95)	5.01 (4.53-5.48)	5.50 (4.94-6.04)	6.16 (5.48-6.79)	6.68 (5.89-7.39)
7-day	2.52 (2.33-2.73)	3.10 (2.86-3.36)	3.72 (3.43-4.03)	4.23 (3.90-4.59)	4.94 (4.53-5.36)	5.49 (5.01-5.97)	6.05 (5.49-6.60)	6.63 (5.98-7.24)	7.40 (6.62-8.13)	8.00 (7.10-8.84)
10-day	2.87 (2.66-3.11)	3.53 (3.27-3.82)	4.21 (3.89-4.55)	4.76 (4.40-5.14)	5.49 (5.04-5.93)	6.03 (5.52-6.52)	6.57 (5.99-7.12)	7.11 (6.45-7.72)	7.81 (7.04-8.52)	8.33 (7.46-9.11)
20-day	3.84 (3.54-4.15)	4.72 (4.36-5.10)	5.58 (5.16-6.04)	6.25 (5.77-6.76)	7.11 (6.54-7.68)	7.73 (7.10-8.36)	8.33 (7.63-9.03)	8.90 (8.13-9.66)	9.62 (8.75-10.5)	10.1 (9.18-11.1)
30-day	4.73 (4.40-5.07)	5.80 (5.39-6.23)	6.82 (6.34-7.33)	7.62 (7.07-8.18)	8.64 (8.00-9.28)	9.37 (8.66-10.1)	10.1 (9.30-10.9)	10.8 (9.89-11.6)	11.6 (10.6-12.6)	12.2 (11.1-13.3)
45-day	5.91 (5.49-6.35)	7.24 (6.72-7.79)	8.50 (7.89-9.16)	9.50 (8.80-10.2)	10.8 (9.97-11.6)	11.7 (10.8-12.6)	12.6 (11.6-13.6)	13.5 (12.4-14.6)	14.6 (13.4-15.8)	15.4 (14.0-16.8)
60-day	7.02 (6.50-7.54)	8.59 (7.97-9.26)	10.1 (9.35-10.9)	11.2 (10.4-12.1)	12.7 (11.8-13.7)	13.8 (12.7-14.8)	14.8 (13.6-16.0)	15.8 (14.5-17.0)	17.0 (15.5-18.4)	17.8 (16.2-19.4)

¹ Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS). Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values. Please refer to NOAA Atlas 14 document for more information.

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PF graphical

PDS-based depth-duration-frequency (DDF) curves
Latitude: 40.9202°, Longitude: -111.8790°



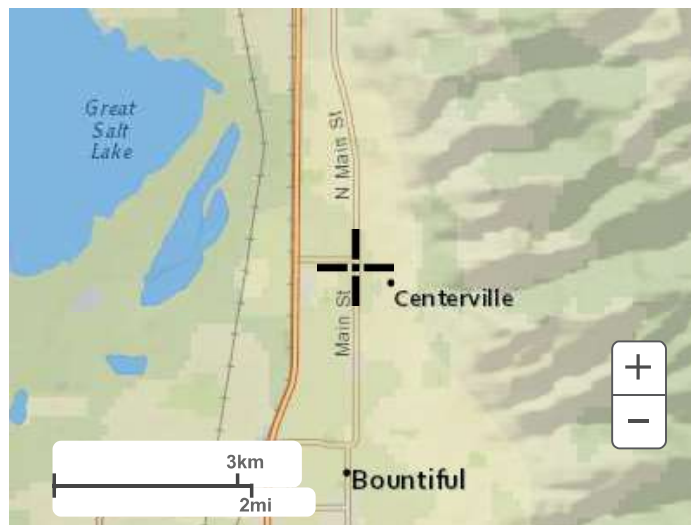
NOAA Atlas 14, Volume 1, Version 5

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Maps & aerials

Small scale terrain



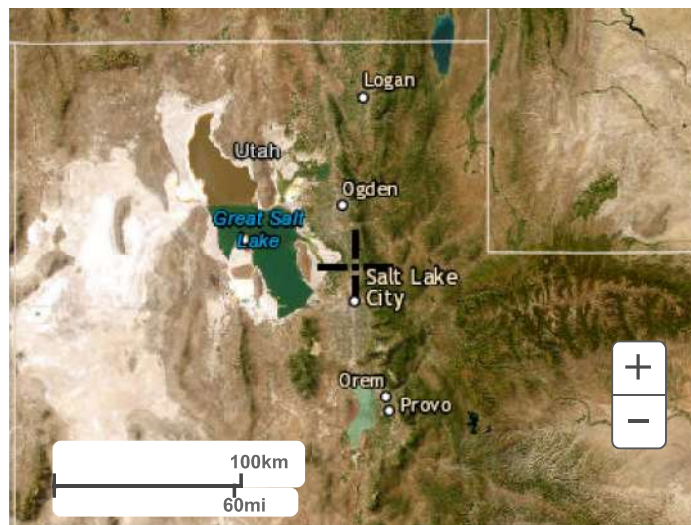
Large scale terrain



Large scale map



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Appendix C

Storm Drain Project Cost Estimates

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				24 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION		QUANTITY	UNITS	UNIT PRICE		AMOUNT
Project Year 2024 - Deuel Creek Box Culvert 400 West to Frontage Road							
1	Provide & install new 3' x 10' box culvert storm drain		1,100	LF	\$800.00		\$880,000.00
2	Pothole existing utility for new alignment		1	Lump Sum	\$1,000.00		\$1,000.00
3	Excavate and haul away native material		150	CY	\$20.00		\$3,000.00
4	Import gravel bedding		2,500	TN	\$25.00		\$62,500.00
5	Import granular barrow (including compaction)		7,000	TN	\$25.00		\$175,000.00
6	Import untreated base course (including compaction)		1,200	TN	\$30.00		\$36,000.00
7	Mobilization, Traffic Control, and Restore landscaping		1	Lump Sum	\$30,000.00		\$30,000.00
	Subtotal (Items 1-7)						\$1,187,500.00
	Davis County's Cost		75%				\$890,625.00
	Centerville City's Cost		25%				\$296,875.00
8	Contingency		25%				\$74,218.75
9	Design Engineering and Survey		10%				\$29,687.50
10	Construction Management and Staking		10%				\$29,687.50
	Total Construction Project (Items 1-10)						\$430,468.75

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				24 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2024 - Peachtree Drive - Casa Loma Drive to Main Steet							
1	Install new 12" PVC storm drain w/ seperation fabric	2,400	LF	\$65.00	\$156,000.00		
2	Provide & Install 48" storm drain manhole (incudes manhole lid and ring, grout and collars)	10	EA	\$4,500.00	\$45,000.00		
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	14	EA	\$3,500.00	\$49,000.00		
4	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)	6	EA	\$6,000.00	\$36,000.00		
5	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00		
6	Remove and haul away excisting storm drain pipe	120	LF	\$20.00	\$2,400.00		
7	Remove and haul away excisting storm drain structures	6	EA	\$1,000.00	\$6,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
9	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
10	Pulverize and haul away asphalt (including saw-cutting)	175	CY	\$20.00	\$3,500.00		
11	Excavate and haul away native material	1,500	CY	\$20.00	\$30,000.00		
12	Import gravel bedding	820	TN	\$25.00	\$20,500.00		
13	Import granular barrow (including compaction)	1,600	TN	\$25.00	\$40,000.00		
14	Import untreated base course (including compaction)	600	TN	\$30.00	\$18,000.00		
15	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-15)				\$445,400.00		
16	Contingency	25%			\$111,350.00		
17	Design Engineering and Survey	10%			\$44,540.00		
18	Construction Management and Staking	10%			\$44,540.00		
	Total Construction Project (Items 1-18)		\$645,830.00				

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				24 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION		QUANTITY	UNITS	UNIT PRICE	AMOUNT	
Project Year 2024 - Briarwood Drive - Bonita Way to 400 East							
1	Install new 12" PVC storm drain w/ seperation fabric		1,200	LF	\$65.00	\$78,000.00	
2	Provide & Install 48" storm drain manhole (incudes manhole lid and ring, grout and collars)		5	EA	\$4,500.00	\$22,500.00	
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)		5	EA	\$3,500.00	\$17,500.00	
4	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)		3	EA	\$6,000.00	\$18,000.00	
5	Tie-in to existing storm drain system (includes coring existing manhole & new collars)		2	EA	\$1,000.00	\$2,000.00	
6	Pothole existing utility for new alignment		1	Lump Sum	\$3,000.00	\$3,000.00	
7	Remove and replace concrete (including saw-cutting)		1	Lump Sum	\$5,000.00	\$5,000.00	
8	Pulverize and haul away asphalt (including saw-cutting)		90	CY	\$20.00	\$1,800.00	
9	Excavate and haul away native material		800	CY	\$20.00	\$16,000.00	
10	Import gravel bedding		400	TN	\$25.00	\$10,000.00	
11	Import granular barrow (including compaction)		900	TN	\$25.00	\$22,500.00	
12	Import untreated base course (including compaction)		300	TN	\$30.00	\$9,000.00	
13	Mobilization, Traffic Control, and Restore landscaping		1	Lump Sum	\$30,000.00	\$30,000.00	
	Subtotal (Items 1-13)					\$235,300.00	
14	Contingency		25%			\$58,825.00	
15	Design Engineering and Survey		10%			\$23,530.00	
16	Construction Management and Staking		10%			\$23,530.00	
	Total Construction Project (Items 1-16)					\$341,185.00	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				25 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION		QUANTITY	UNITS	UNIT PRICE		AMOUNT
Project Year 2025 - Deuel Creek Box Culvert Main Street to 400 West							
1	Provide & install new 3' x 10' box culvert storm drain		1,500	LF	\$800.00		\$1,200,000.00
2	Pothole existing utility for new alignment		1	Lump Sum	\$1,000.00		\$1,000.00
3	Excavate and haul away native material		150	CY	\$20.00		\$3,000.00
4	Import gravel bedding		3,000	TN	\$25.00		\$75,000.00
5	Import granular barrow (including compaction)		9,000	TN	\$25.00		\$225,000.00
6	Import untreated base course (including compaction)		1,600	TN	\$30.00		\$48,000.00
7	Mobilization, Traffic Control, and Restore landscaping		1	Lump Sum	\$30,000.00		\$30,000.00
	Subtotal (Items 1-7)						\$1,582,000.00
	Davis County's Cost		75%				\$1,186,500.00
	Centerville City's Cost		25%				\$395,500.00
8	Contingency		25%				\$98,875.00
9	Design Engineering and Survey		10%				\$39,550.00
10	Construction Management and Staking		10%				\$39,550.00
	Total Construction Project (Items 1-10)						\$573,475.00

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				25 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2025 - Nola Drive & 1375 North - 1675 North to 1350 North							
1	Install new 12" PVC storm drain w/ seperation fabric	800	LF	\$65.00	\$52,000.00		
2	Provide & Install 48" storm drain manhole (incudes manhole lid and ring, grout and collars)	3	EA	\$4,500.00	\$13,500.00		
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	6	EA	\$3,500.00	\$21,000.00		
4	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)	3	EA	\$6,000.00	\$18,000.00		
5	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00		
6	Remove and haul away excisting storm drain pipe	60	LF	\$20.00	\$1,200.00		
7	Remove and haul away excisting storm drain structures	2	EA	\$1,000.00	\$2,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
9	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
10	Pulverize and haul away asphalt (including saw-cutting)	72	CY	\$20.00	\$1,440.00		
11	Excavate and haul away native material	480	CY	\$20.00	\$9,600.00		
12	Import gravel bedding	300	TN	\$25.00	\$7,500.00		
13	Import granular barrow (including compaction)	550	TN	\$25.00	\$13,750.00		
14	Import untreated base course (including compaction)	200	TN	\$30.00	\$6,000.00		
15	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-15)					\$184,990.00	
16	Contingency	25%			\$46,247.50		
17	Design Engineering and Survey	10%			\$18,499.00		
18	Construction Management and Staking	10%			\$18,499.00		
	Total Construction Project (Items 1-18)					\$268,235.50	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project: Drainage Master Plan Storm Drain Projects		Sheet No. 1 of 1	
		Owner: Centerville City		Project No. 25 - ###	
		Estimated by:			
		Checked by:			
Conceptual Estimate					
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT
Project Year 2025 - Centerville Jr. High (South Property Line) - 300 East to Main Street or Combine with Rivera SD system					
1	Install new 24" RPC storm drain w/ seperation fabric	1,500	LF	\$240.00	\$360,000.00
2	Provide & Install 60" storm drain manhole (includes manhole lid and ring, grout and collars)	4	EA	\$5,000.00	\$20,000.00
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	4	EA	\$3,500.00	\$14,000.00
4	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)	3	EA	\$6,000.00	\$18,000.00
5	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	3	EA	\$1,000.00	\$3,000.00
6	Remove and haul away excisting storm drain pipe	1,500	LF	\$20.00	\$30,000.00
7	Remove and haul away excisting storm drain structures	6	EA	\$1,000.00	\$6,000.00
8	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00
9	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00
10	Pulverize and haul away asphalt (including saw-cutting)	20	CY	\$20.00	\$400.00
11	Excavate and haul away native material	1,800	CY	\$20.00	\$36,000.00
12	Import gravel bedding	900	TN	\$25.00	\$22,500.00
13	Import granular barrow (including compaction)	2,000	TN	\$25.00	\$50,000.00
14	Import untreated base course (including compaction)	50	TN	\$30.00	\$1,500.00
15	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	30	TN	\$200.00	\$6,000.00
16	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00
	Subtotal (Items 1-16)				\$605,400.00
17	Contingency	25%			\$151,350.00
18	Design Engineering and Survey	10%			\$60,540.00
19	Construction Management and Staking	10%			\$60,540.00
	Total Construction Project (Items 1-19)				\$877,830.00

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				26 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION		QUANTITY	UNITS	UNIT PRICE	AMOUNT	
Project Year 2026 - I-15 975 North - New 48" Culvert							
1	Bore 48" steel casing under I-15, UTA & UPRR		260	LF	\$1,400.00	\$364,000.00	
2	Bore pit and acceptance pit excavation and backfill		1	Lump Sum	\$20,000.00	\$20,000.00	
3	Install new 48" RPC storm drain w/ seperation fabric		180	LF	\$280.00	\$50,400.00	
4	Provide & Install 60" storm drain manhole (includes manhole lid and ring, grout and collars)		4	EA	\$5,000.00	\$20,000.00	
5	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)		2	EA	\$3,500.00	\$7,000.00	
6	Tie-in to existing storm drain system (includes coring existing manhole & new collars)		2	EA	\$1,000.00	\$2,000.00	
7	Pothole existing utility for new alignment		1	Lump Sum	\$3,000.00	\$3,000.00	
8	Remove and replace concrete (including saw-cutting)		1	Lump Sum	\$5,000.00	\$5,000.00	
9	Pulverize and haul away asphalt (including saw-cutting)		40	CY	\$20.00	\$800.00	
10	Excavate and haul away native material		400	CY	\$20.00	\$8,000.00	
11	Import gravel bedding		350	TN	\$25.00	\$8,750.00	
12	Import granular barrow (including compaction)		100	TN	\$25.00	\$2,500.00	
13	Import untreated base course (including compaction)		100	TN	\$30.00	\$3,000.00	
14	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)		90	TN	\$200.00	\$18,000.00	
15	Mobilization, Traffic Control, and Restore landscaping		1	Lump Sum	\$30,000.00	\$30,000.00	
	Subtotal (Items 1-15)					\$542,450.00	
	Davis County's Cost		75%			\$406,837.50	
	Centerville City's Cost		25%			\$135,612.50	
16	Contingency		25%			\$33,903.13	
17	Design Engineering and Survey		10%			\$13,561.25	
18	Construction Management and Staking		10%			\$13,561.25	
	Total Construction Project (Items 1-18)					\$196,638.13	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				26 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2026 - I-15 Parrish Lane (400 North) - Replace 36" CMP w/ New 36" Culvert							
1	Bore 36" steel casing under I-15	600	LF	\$1,200.00	\$720,000.00		
2	Bore pit and acceptance pit excavation and backfill	1	Lump Sum	\$20,000.00	\$20,000.00		
3	Fill abandoned CMP with grout	160	CY	\$250.00	\$40,000.00		
4	Install new 24" RPC storm drain w/ seperation fabric	120	LF	\$240.00	\$28,800.00		
5	Provide & Install 60" storm drain manhole (incudes manhole lid and ring, grout and collars)	4	EA	\$5,000.00	\$20,000.00		
6	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	6	EA	\$3,500.00	\$21,000.00		
7	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	3	EA	\$1,000.00	\$3,000.00		
8	Remove and haul away excisting storm drain pipe	300	LF	\$20.00	\$6,000.00		
9	Remove and haul away excisting storm drain structures	10	EA	\$1,000.00	\$10,000.00		
10	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
11	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
12	Pulverize and haul away asphalt (including saw-cutting)	80	CY	\$20.00	\$1,600.00		
13	Excavate and haul away native material	150	CY	\$20.00	\$3,000.00		
14	Import gravel bedding	100	TN	\$25.00	\$2,500.00		
15	Import granular barrow (including compaction)	150	TN	\$25.00	\$3,750.00		
16	Import untreated base course (including compaction)	40	TN	\$30.00	\$1,200.00		
17	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	40	TN	\$200.00	\$8,000.00		
18	UDOT/UTA/UPRR Permits, Fees, Flagging etc.	1	Lump Sum	\$25,000.00	\$25,000.00		
19	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$40,000.00	\$40,000.00		
	Subtotal (Items 1-19)					\$961,850.00	
20	Contingency	25%			\$240,462.50		
21	Design Engineering and Survey	10%			\$96,185.00		

22	Construction Management and Staking	10%		\$96,185.00
	Total Construction Project (Items 1-22)			\$1,394,682.50

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project: Drainage Master Plan		Sheet No.	
		Storm Drain Projects		1 of 1	
		Owner: Centerville City			
		Estimated by:			
		Checked by:			
				Project No.	
				27 - ###	
Conceptual Estimate					
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT
Project Year 2027 - I-15 (C112) 2075 North (Lexington Park)- Replace 24" CMP w/ New 36" Culvert					
1	Bore 36" steel casing under I-15, UTA & UPRR	450	LF	\$1,200.00	\$540,000.00
2	Bore pit and acceptance pit excavation and backfill	1	Lump Sum	\$20,000.00	\$20,000.00
3	Provide & Install 60" storm drain manhole (includes manhole lid and ring, grout and collars)	3	EA	\$5,000.00	\$15,000.00
4	Outlet structure	1	EA	\$5,000.00	\$5,000.00
5	Fill abandoned CMP with grout	40	CY	\$250.00	\$10,000.00
6	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00
7	Remove and haul away excisting storm drain structures	4	EA	\$1,000.00	\$4,000.00
8	Pothole existing utility for new alignment	1	Lump Sum	\$5,000.00	\$5,000.00
9	UDOT/UTA/UPRR Permits, Fees, Flagging etc.	1	Lump Sum	\$25,000.00	\$25,000.00
10	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00
	Subtotal (Items 1-10)				\$655,000.00
11	Contingency	25%			\$163,750.00
12	Design Engineering and Survey	10%			\$65,500.00
13	Construction Management and Staking	10%			\$65,500.00
	Total Construction Project (Items 1-13)				\$949,750.00

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				27 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2027 - I-15 Frontage Rd & 500 South Replace 24" CMP w/ New 36" Culvert							
1	Bore 36" steel casing under I-15	300	LF	\$1,200.00	\$360,000.00		
2	Bore pit and acceptance pit excavation and backfill	1	Lump Sum	\$20,000.00	\$20,000.00		
3	Provide & Install 60" storm drain manhole (includes manhole lid and ring, grout and collars)	3	EA	\$5,000.00	\$15,000.00		
4	Outlet structure	1	EA	\$5,000.00	\$5,000.00		
5	Fill abandoned CMP with grout	40	CY	\$250.00	\$10,000.00		
6	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00		
7	Remove and haul away excisting storm drain structures	4	EA	\$1,000.00	\$4,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$5,000.00	\$5,000.00		
9	UDOT/UTA/UPRR Permits, Fees, Flagging etc.	1	Lump Sum	\$25,000.00	\$25,000.00		
10	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-10)					\$475,000.00	
11	Contingency	25%			\$118,750.00		
12	Design Engineering and Survey	10%			\$47,500.00		
13	Construction Management and Staking	10%			\$47,500.00		
	Total Construction Project (Items 1-13)					\$688,750.00	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				28 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2028 - I-15 650 South - Replace 24" CMP w/ New 36" Culvert							
1	Bore 36" steel casing under I-15	300	LF	\$1,200.00	\$360,000.00		
2	Bore pit and acceptance pit excavation and backfill	1	Lump Sum	\$20,000.00	\$20,000.00		
3	Provide & Install 60" storm drain manhole (includes manhole lid and ring, grout and collars)	3	EA	\$5,000.00	\$15,000.00		
4	Outlet structure	1	EA	\$5,000.00	\$5,000.00		
5	Fill abandoned CMP with grout	40	CY	\$250.00	\$10,000.00		
6	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00		
7	Remove and haul away excisting storm drain structures	4	EA	\$1,000.00	\$4,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$5,000.00	\$5,000.00		
9	UDOT/UTA/UPRR Permits, Fees, Flagging etc.	1	Lump Sum	\$25,000.00	\$25,000.00		
10	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-10)					\$475,000.00	
11	Contingency	25%			\$118,750.00		
12	Design Engineering and Survey	10%			\$47,500.00		
13	Construction Management and Staking	10%			\$47,500.00		
	Total Construction Project (Items 1-13)					\$688,750.00	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				28 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2028 - I-15 Parrish Creek - Replace 42" CMP w/ New 48"							
1	Bore 48" steel casing under I-15, UTA & UPRR	420	LF	\$1,400.00	\$588,000.00		
2	Bore pit and acceptance pit excavation and backfill	1	Lump Sum	\$20,000.00	\$20,000.00		
3	Provide & Install 60" storm drain manhole (includes manhole lid and ring, grout and collars)	3	EA	\$5,000.00	\$15,000.00		
4	Outlet structure	1	EA	\$5,000.00	\$5,000.00		
5	Fill abandoned CMP with grout	200	CY	\$250.00	\$50,000.00		
6	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00		
7	Remove and haul away exsiting storm drain structures	4	EA	\$1,000.00	\$4,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$5,000.00	\$5,000.00		
9	UDOT/UTA/UPRR Permits, Fees, Flagging etc.	1	Lump Sum	\$25,000.00	\$25,000.00		
10	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-10)					\$743,000.00	
	Davis County's Cost	75%			\$557,250.00		
	Centerville City's Cost	25%			\$185,750.00		
11	Contingency	25%			\$46,437.50		
12	Design Engineering and Survey	10%			\$18,575.00		
13	Construction Management and Staking	10%			\$18,575.00		
	Total Construction Project (Items 1-13)				\$269,337.50		

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				29 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION		QUANTITY	UNITS	UNIT PRICE	AMOUNT	
Project Year 2029 - Parrish Lane - 100 East to Canyon Point							
1	Install new 12" PVC storm drain w/ seperation fabric		1,600	LF	\$65.00	\$104,000.00	
2	Provide & Install 48" storm drain manhole (includes manhole lid and ring, grout and collars)		3	EA	\$4,500.00	\$13,500.00	
3	Provide & Install 60" storm drain manhole (includes manhole lid and ring, grout and collars)		1	EA	\$5,000.00	\$5,000.00	
4	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)		12	EA	\$3,500.00	\$42,000.00	
5	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)		4	EA	\$6,000.00	\$24,000.00	
6	Tie-in to existing storm drain system (includes coring existing manhole & new collars)		2	EA	\$1,000.00	\$2,000.00	
7	Remove and haul away excisting storm drain structures		2	EA	\$1,000.00	\$2,000.00	
8	Pothole existing utility for new alignment		1	Lump Sum	\$3,000.00	\$3,000.00	
9	Remove and replace concrete (including saw-cutting)		1	Lump Sum	\$5,000.00	\$5,000.00	
10	Pulverize and haul away asphalt (including saw-cutting)		200	CY	\$20.00	\$4,000.00	
11	Excavate and haul away native material		1,000	CY	\$20.00	\$20,000.00	
12	Import gravel bedding		600	TN	\$25.00	\$15,000.00	
13	Import granular barrow (including compaction)		1,200	TN	\$25.00	\$30,000.00	
14	Import untreated base course (including compaction)		400	TN	\$30.00	\$12,000.00	
15	Mobilization, Traffic Control, and Restore landscaping		1	Lump Sum	\$30,000.00	\$30,000.00	
	Subtotal (Items 1-15)					\$311,500.00	
16	Contingency		25%			\$77,875.00	
17	Design Engineering and Survey		10%			\$31,150.00	
18	Construction Management and Staking		10%			\$31,150.00	
	Total Construction Project (Items 1-18)					\$451,675.00	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				29 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2029 - I-15 (P106) North Property Line of Community Park - New 36" Culvert							
1	Bore 36" steel casing under I-15, UTA & UPRR	450	LF	\$1,200.00	\$540,000.00		
2	Bore pit and acceptance pit excavation and backfill	1	Lump Sum	\$20,000.00	\$20,000.00		
3	Provide & Install 60" storm drain manhole (includes manhole lid and ring, grout and collars)	3	EA	\$5,000.00	\$15,000.00		
4	Outlet structure	1	EA	\$5,000.00	\$5,000.00		
5	Fill abandoned CMP with grout	120	CY	\$250.00	\$30,000.00		
6	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00		
7	Remove and haul away excisting storm drain structures	4	EA	\$1,000.00	\$4,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$5,000.00	\$5,000.00		
9	UDOT/UTA/UPRR Permits, Fees, Flagging etc.	1	Lump Sum	\$25,000.00	\$25,000.00		
10	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-10)					\$675,000.00	
11	Contingency	25%			\$168,750.00		
12	Design Engineering and Survey	10%			\$67,500.00		
13	Construction Management and Staking	10%			\$67,500.00		
	Total Construction Project (Items 1-13)					\$978,750.00	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				30 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2030 - Windsor Lane, Williams Lane, & 300 West Storm Drain							
1	Install new 12" PVC storm drain w/ seperation fabric	1,200	LF	\$65.00	\$78,000.00		
2	Provide & Install 48" storm drain manhole (includes manhole lid and ring, grout and collars)	7	EA	\$4,500.00	\$31,500.00		
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	12	EA	\$3,500.00	\$42,000.00		
4	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)	4	EA	\$6,000.00	\$24,000.00		
5	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00		
6	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
7	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
8	Pulverize and haul away asphalt (including saw-cutting)	95	CY	\$20.00	\$1,900.00		
9	Excavate and haul away native material	800	CY	\$20.00	\$16,000.00		
10	Import gravel bedding	500	TN	\$25.00	\$12,500.00		
11	Import granular barrow (including compaction)	900	TN	\$25.00	\$22,500.00		
12	Import untreated base course (including compaction)	300	TN	\$30.00	\$9,000.00		
13	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	250	TN	\$200.00	\$50,000.00		
14	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-14)				\$326,400.00		
15	Contingency	25%			\$81,600.00		
16	Design Engineering and Survey	10%			\$32,640.00		
17	Construction Management and Staking	10%			\$32,640.00		
	Total Construction Project (Items 1-17)					\$473,280.00	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				30 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2030 - I-15 750 North - Replace 24" CMP w/ New 36" Culvert							
1	Bore 36" steel casing under I-15	300	LF	\$1,200.00	\$360,000.00		
2	Bore pit and acceptance pit excavation and backfill	1	Lump Sum	\$20,000.00	\$20,000.00		
3	Provide & Install 60" storm drain manhole (includes manhole lid and ring, grout and collars)	3	EA	\$5,000.00	\$15,000.00		
4	Outlet structure	1	EA	\$5,000.00	\$5,000.00		
5	Fill abandoned CMP with grout	80	CY	\$250.00	\$20,000.00		
6	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00		
7	Remove and haul away excisting storm drain structures	4	EA	\$1,000.00	\$4,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$5,000.00	\$5,000.00		
9	UDOT/UTA/UPRR Permits, Fees, Flagging etc.	1	Lump Sum	\$25,000.00	\$25,000.00		
10	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-10)					\$485,000.00	
11	Contingency	25%			\$121,250.00		
12	Design Engineering and Survey	10%			\$48,500.00		
13	Construction Management and Staking	10%			\$48,500.00		
	Total Construction Project (Items 1-13)					\$703,250.00	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				31 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2031 - 700 North & Phasant Way - London Road to Bonita Way							
1	Install new 12" PVC storm drain w/ seperation fabric	1,400	LF	\$65.00	\$91,000.00		
2	Provide & Install 48" storm drain manhole (incudes manhole lid and ring, grout and collars)	2	EA	\$4,500.00	\$9,000.00		
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	10	EA	\$3,500.00	\$35,000.00		
4	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)	4	EA	\$6,000.00	\$24,000.00		
5	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	2	EA	\$1,000.00	\$2,000.00		
6	Remove and haul away excisting storm drain pipe	60	LF	\$20.00	\$1,200.00		
7	Remove and haul away excisting storm drain structures	2	EA	\$1,000.00	\$2,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
9	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
10	Pulverize and haul away asphalt (including saw-cutting)	125	CY	\$20.00	\$2,500.00		
11	Excavate and haul away native material	900	CY	\$20.00	\$18,000.00		
12	Import gravel bedding	500	TN	\$25.00	\$12,500.00		
13	Import granular barrow (including compaction)	1,000	TN	\$25.00	\$25,000.00		
14	Import untreated base course (including compaction)	350	TN	\$30.00	\$10,500.00		
15	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-15)					\$270,700.00	
16	Contingency	25%			\$67,675.00		
17	Design Engineering and Survey	10%			\$27,070.00		
18	Construction Management and Staking	10%			\$27,070.00		
	Total Construction Project (Items 1-18)					\$392,515.00	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				31 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2031 - I-15 Parrish Lane (400 North) - Replace 24" CMP along East Side of I-15 & 800 West Crossing to Parrish Lane							
1	Bore 24" steel casing under I-15	115	LF	\$1,000.00	\$115,000.00		
2	Bore pit and acceptance pit excavation and backfill	1	Lump Sum	\$20,000.00	\$20,000.00		
3	Fill abandoned CMP with grout	160	CY	\$250.00	\$40,000.00		
4	Install new 24" RPC storm drain w/ seperation fabric	530	LF	\$240.00	\$127,200.00		
5	Provide & Install 60" storm drain manhole (incudes manhole lid and ring, grout and collars)	4	EA	\$5,000.00	\$20,000.00		
6	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	6	EA	\$3,500.00	\$21,000.00		
7	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	3	EA	\$1,000.00	\$3,000.00		
8	Remove and haul away excisting storm drain pipe	500	LF	\$20.00	\$10,000.00		
9	Remove and haul away excisting storm drain structures	8	EA	\$1,000.00	\$8,000.00		
10	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
11	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
12	Pulverize and haul away asphalt (including saw-cutting)	70	CY	\$20.00	\$1,400.00		
13	Excavate and haul away native material	600	CY	\$20.00	\$12,000.00		
14	Import gravel bedding	500	TN	\$25.00	\$12,500.00		
15	Import granular barrow (including compaction)	550	TN	\$25.00	\$13,750.00		
16	Import untreated base course (including compaction)	150	TN	\$30.00	\$4,500.00		
17	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	100	TN	\$200.00	\$20,000.00		
18	UDOT/UTA/UPRR Permits, Fees, Flagging etc.	1	Lump Sum	\$25,000.00	\$25,000.00		
19	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$40,000.00	\$40,000.00		
	Subtotal (Items 1-19)					\$501,350.00	
20	Contingency	25%			\$125,337.50		
21	Design Engineering and Survey	10%			\$50,135.00		

22	Construction Management and Staking	10%		\$50,135.00
	Total Construction Project (Items 1-22)			\$726,957.50

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				32 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2032 - Nola Drive - 1200 North to 1350 North							
1	Install new 12" PVC storm drain w/ seperation fabric	350	LF	\$65.00	\$22,750.00		
2	Provide & Install 48" storm drain manhole (incudes manhole lid and ring, grout and collars)	2	EA	\$4,500.00	\$9,000.00		
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	6	EA	\$3,500.00	\$21,000.00		
4	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)	2	EA	\$6,000.00	\$12,000.00		
5	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00		
6	Remove and haul away excisting storm drain pipe	40	LF	\$20.00	\$800.00		
7	Remove and haul away excisting storm drain structures	2	EA	\$1,000.00	\$2,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
9	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
10	Pulverize and haul away asphalt (including saw-cutting)	30	CY	\$20.00	\$600.00		
11	Excavate and haul away native material	250	CY	\$20.00	\$5,000.00		
12	Import gravel bedding	150	TN	\$25.00	\$3,750.00		
13	Import granular barrow (including compaction)	250	TN	\$25.00	\$6,250.00		
14	Import untreated base course (including compaction)	100	TN	\$30.00	\$3,000.00		
15	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-15)					\$125,150.00	
16	Contingency	25%			\$31,287.50		
17	Design Engineering and Survey	10%			\$12,515.00		
18	Construction Management and Staking	10%			\$12,515.00		
	Total Construction Project (Items 1-18)					\$181,467.50	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				32 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2032 - I-15 100 South - Replace 24" CMP w/ New 36" Culvert							
1	Bore 36" steel casing under I-15	520	LF	\$1,200.00	\$624,000.00		
2	Bore pit and acceptance pit excavation and backfill	1	Lump Sum	\$20,000.00	\$20,000.00		
3	Provide & Install 60" storm drain manhole (includes manhole lid and ring, grout and collars)	3	EA	\$5,000.00	\$15,000.00		
4	Outlet structure	1	EA	\$5,000.00	\$5,000.00		
5	Fill abandoned CMP with grout	60	CY	\$250.00	\$15,000.00		
6	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00		
7	Remove and haul away excisting storm drain structures	2	EA	\$1,000.00	\$2,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$5,000.00	\$5,000.00		
9	UDOT/UTA/UPRR Permits, Fees, Flagging etc.	1	Lump Sum	\$25,000.00	\$25,000.00		
10	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-10)				\$742,000.00		
11	Contingency	25%			\$185,500.00		
12	Design Engineering and Survey	10%			\$74,200.00		
13	Construction Management and Staking	10%			\$74,200.00		
	Total Construction Project (Items 1-13)					\$1,075,900.00	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
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		Owner:		Centerville City			
		Estimated by:				Project No.	
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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2033 - I-15 Frontage Road - 200 South Replace CMP Culvert							
1	Install new 36" RPC storm drain w/ seperation fabric	100	LF	\$260.00	\$26,000.00		
2	Provide & Install 60" storm drain manhole (includes manhole lid and ring, grout and collars)	2	EA	\$5,000.00	\$10,000.00		
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	2	EA	\$3,500.00	\$7,000.00		
4	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	2	EA	\$1,000.00	\$2,000.00		
5	Remove and haul away excisting storm drain pipe	100	LF	\$20.00	\$2,000.00		
6	Remove and haul away excisting storm drain structures	2	EA	\$1,000.00	\$2,000.00		
7	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
8	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
9	Pulverize and haul away asphalt (including saw-cutting)	20	CY	\$20.00	\$400.00		
10	Excavate and haul away native material	150	CY	\$20.00	\$3,000.00		
11	Import gravel bedding	110	TN	\$25.00	\$2,750.00		
12	Import granular barrow (including compaction)	90	TN	\$25.00	\$2,250.00		
13	Import untreated base course (including compaction)	40	TN	\$30.00	\$1,200.00		
14	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	40	TN	\$200.00	\$8,000.00		
15	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-15)					\$104,600.00	
16	Contingency	25%			\$26,150.00		
17	Design Engineering and Survey	10%			\$10,460.00		
18	Construction Management and Staking	10%			\$10,460.00		
	Total Construction Project (Items 1-18)					\$151,670.00	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
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		Owner:		Centerville City			
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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2033 - Barnard Street Overflow Storm Drain - Main Street to Oakridge Drive							
1	Install new 24" RCP storm drain w/ seperation fabric	2,600	LF	\$240.00	\$624,000.00		
2	Provide & Install 48" storm drain manhole (includes manhole lid and ring, grout and collars)	8	EA	\$4,500.00	\$36,000.00		
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	18	EA	\$3,500.00	\$63,000.00		
4	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)	6	EA	\$6,000.00	\$36,000.00		
5	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	3	EA	\$1,000.00	\$3,000.00		
6	Remove and haul away excisting storm drain pipe	100	LF	\$20.00	\$2,000.00		
7	Remove and haul away excisting storm drain structures	12	EA	\$1,000.00	\$12,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
9	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
10	Pulverize and haul away concrete roadway (including saw-cutting)	500	CY	\$20.00	\$10,000.00		
11	Excavate and haul away native material	3,500	CY	\$20.00	\$70,000.00		
12	Import gravel bedding	2,200	TN	\$25.00	\$55,000.00		
13	Import granular barrow (including compaction)	3,800	TN	\$25.00	\$95,000.00		
14	Import untreated base course (including compaction)	900	TN	\$30.00	\$27,000.00		
15	UDOT Permits, Fees, etc.	1	Lump Sum	\$5,000.00	\$5,000.00		
16	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-16)					\$1,076,000.00	
17	Contingency	25%			\$269,000.00		
18	Design Engineering and Survey	10%			\$107,600.00		
19	Construction Management and Staking	10%			\$107,600.00		
	Total Construction Project (Items 1-19)					\$1,560,200.00	

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		Owner:		Centerville City			
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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2034 - I-15 625 North - Replace 30" CMP w/ New 36" Culvert							
1	Bore 36" steel casing under I-15	500	LF	\$1,200.00	\$600,000.00		
2	Bore pit and acceptance pit excavation and backfill	1	Lump Sum	\$20,000.00	\$20,000.00		
3	Provide & Install 60" storm drain manhole (includes manhole lid and ring, grout and collars)	3	EA	\$5,000.00	\$15,000.00		
4	Outlet structure	1	EA	\$5,000.00	\$5,000.00		
5	Fill abandoned CMP with grout	130	CY	\$250.00	\$32,500.00		
6	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00		
7	Remove and haul away excisting storm drain structures	4	EA	\$1,000.00	\$4,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$5,000.00	\$5,000.00		
9	UDOT/UTA/UPRR Permits, Fees, Flagging etc.	1	Lump Sum	\$25,000.00	\$25,000.00		
10	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-10)					\$737,500.00	
11	Contingency	25%			\$184,375.00		
12	Design Engineering and Survey	10%			\$73,750.00		
13	Construction Management and Staking	10%			\$73,750.00		
	Total Construction Project (Items 1-13)					\$1,069,375.00	

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		Owner:		Centerville City			
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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2034 - 725 North 1250 West & 600 North 1250 West - Inlet Box Replacement							
1	Install new 36" RCP storm drain w/ seperation fabric	140	LF	\$260.00	\$36,400.00		
2	Install new 24" RCP storm drain w/ seperation fabric	65	LF	\$240.00	\$15,600.00		
3	Provide & Install 60" storm drain manhole (incudes manhole lid and ring, grout and collars)	2	EA	\$5,000.00	\$10,000.00		
4	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	6	EA	\$3,500.00	\$21,000.00		
5	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)	3	EA	\$6,000.00	\$18,000.00		
6	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	3	EA	\$1,000.00	\$3,000.00		
7	Remove and haul away excisting storm drain pipe	200	LF	\$20.00	\$4,000.00		
8	Remove and haul away excisting storm drain structures	8	EA	\$1,000.00	\$8,000.00		
9	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
10	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
11	Pulverize and haul away asphalt (including saw-cutting)	30	CY	\$20.00	\$600.00		
12	Excavate and haul away native material	300	CY	\$20.00	\$6,000.00		
13	Import gravel bedding	200	TN	\$25.00	\$5,000.00		
14	Import granular barrow (including compaction)	250	TN	\$25.00	\$6,250.00		
15	Import untreated base course (including compaction)	75	TN	\$30.00	\$2,250.00		
16	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	50	TN	\$200.00	\$10,000.00		
17	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-17)					\$184,100.00	
18	Contingency	25%			\$46,025.00		
19	Design Engineering and Survey	10%			\$18,410.00		
20	Construction Management and Staking	10%			\$18,410.00		

	Total Construction Project (Items 1-20)		\$266,945.00
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		Owner:		Centerville City			
		Estimated by:				Project No.	
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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION		QUANTITY	UNITS	UNIT PRICE		AMOUNT
Project Year 2035 - Parrish Creek 950 West to 1250 West - Channel Improvements							
1	Install new 48" RPC storm drain w/ seperation fabric		1,510	LF	\$280.00		\$422,800.00
2	Provide & Install 60" storm drain manhole (includes manhole lid and ring, grout and collars)		6	EA	\$5,000.00		\$30,000.00
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)		2	EA	\$3,500.00		\$7,000.00
4	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)		2	EA	\$6,000.00		\$12,000.00
5	Tie-in to existing storm drain system (includes coring existing manhole & new collars)		2	EA	\$1,000.00		\$2,000.00
6	Pothole existing utility for new alignment		1	Lump Sum	\$3,000.00		\$3,000.00
7	Remove and replace concrete (including saw-cutting)		1	Lump Sum	\$5,000.00		\$5,000.00
8	Pulverize and haul away asphalt (including saw-cutting)		40	CY	\$20.00		\$800.00
9	Excavate and haul away native material		400	CY	\$20.00		\$8,000.00
10	Import gravel bedding		350	TN	\$25.00		\$8,750.00
11	Import granular barrow (including compaction)		100	TN	\$25.00		\$2,500.00
12	Import untreated base course (including compaction)		100	TN	\$30.00		\$3,000.00
13	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)		90	TN	\$200.00		\$18,000.00
14	Mobilization, Traffic Control, and Restore landscaping		1	Lump Sum	\$30,000.00		\$30,000.00
	Subtotal (Items 1-14)						\$552,850.00
	Davis County's Cost		75%			\$414,637.50	
	Centerville City's Cost		25%			\$138,212.50	
15	Contingency		25%			\$34,553.13	
16	Design Engineering and Survey		10%			\$13,821.25	
17	Construction Management and Staking		10%			\$13,821.25	
	Total Construction Project (Items 1-17)						\$200,408.13

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
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		Owner:		Centerville City			
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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION			QUANTITY	UNITS	UNIT PRICE	AMOUNT
Project Year 2035 - Public Works Dry Beds							
1	Concrete dry bed construction			1	Lump Sum	\$75,000.00	\$75,000.00
2	Clearing & Grubbing			1	Lump Sum	\$10,000.00	\$10,000.00
3	Pothole existing utility for new alignment			1	Lump Sum	\$3,000.00	\$3,000.00
4	Mobilization and Restore landscaping			1	Lump Sum	\$30,000.00	\$30,000.00
	Subtotal (Items 1-4)						\$118,000.00
5	Contingency			25%			\$29,500.00
6	Design Engineering and Survey			10%			\$11,800.00
7	Construction Management and Staking			10%			\$11,800.00
	Total Construction Project (Items 1-7)						\$171,100.00

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
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		Owner:		Centerville City			
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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2036 - Rick's Creek Culvert at 575 West (Parallel w/ New 36" Elliptical)							
1	Install new 36" RCP storm drain w/ seperation fabric	50	LF	\$260.00	\$13,000.00		
2	Provide & Install inlet/outlet structure	2	EA	\$5,000.00	\$10,000.00		
3	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
4	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
5	Pulverize and haul away asphalt (including saw-cutting)	6	CY	\$20.00	\$120.00		
6	Excavate and haul away native material	100	CY	\$20.00	\$2,000.00		
7	Import gravel bedding	60	TN	\$25.00	\$1,500.00		
8	Import granular barrow (including compaction)	100	TN	\$25.00	\$2,500.00		
9	Import untreated base course (including compaction)	20	TN	\$30.00	\$600.00		
10	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	15	TN	\$200.00	\$3,000.00		
11	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-11)					\$70,720.00	
	Davis County's Cost	75%			\$53,040.00		
	Centerville City's Cost	25%			\$17,680.00		
12	Contingency	25%			\$4,420.00		
13	Design Engineering and Survey	10%			\$1,768.00		
14	Construction Management and Staking	10%			\$1,768.00		
	Total Construction Project (Items 1-14)				\$25,636.00		

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		Owner:		Centerville City			
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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2036 - Island View - 550 South to 650 South							
1	Install new 12" PVC storm drain w/ seperation fabric	600	LF	\$65.00	\$39,000.00		
2	Provide & Install 48" storm drain manhole (includes manhole lid and ring, grout and collars)	1	EA	\$4,500.00	\$4,500.00		
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	1	EA	\$3,500.00	\$3,500.00		
4	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)	2	EA	\$6,000.00	\$12,000.00		
5	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00		
6	Remove and haul away excisting storm drain pipe	20	LF	\$20.00	\$400.00		
7	Remove and haul away excisting storm drain structures	2	EA	\$1,000.00	\$2,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
9	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
10	Pulverize and haul away asphalt (including saw-cutting)	45	CY	\$20.00	\$900.00		
11	Excavate and haul away native material	400	CY	\$20.00	\$8,000.00		
12	Import gravel bedding	250	TN	\$25.00	\$6,250.00		
13	Import granular barrow (including compaction)	400	TN	\$25.00	\$10,000.00		
14	Import untreated base course (including compaction)	150	TN	\$30.00	\$4,500.00		
15	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-15)				\$130,050.00		
16	Contingency	25%			\$32,512.50		
17	Design Engineering and Survey	10%			\$13,005.00		
18	Construction Management and Staking	10%			\$13,005.00		
	Total Construction Project (Items 1-18)				\$188,572.50		

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
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		Owner:		Centerville City			
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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2037 - 500 South - UPRR / UTA - Replace 24" CMP w/ New 36" Culvert							
1	Bore 36" steel casing under I-15	180	LF	\$1,200.00	\$216,000.00		
2	Bore pit and acceptance pit excavation and backfill	1	Lump Sum	\$20,000.00	\$20,000.00		
3	Provide & Install 60" storm drain manhole (includes manhole lid and ring, grout and collars)	2	EA	\$5,000.00	\$10,000.00		
4	Outlet structure	1	EA	\$5,000.00	\$5,000.00		
5	Fill abandoned CMP with grout	40	CY	\$250.00	\$10,000.00		
6	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00		
7	Remove and haul away excisting storm drain structures	2	EA	\$1,000.00	\$2,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$5,000.00	\$5,000.00		
9	UDOT/UTA/UPRR Permits, Fees, Flagging etc.	1	Lump Sum	\$25,000.00	\$25,000.00		
10	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-10)					\$324,000.00	
11	Contingency	25%			\$81,000.00		
12	Design Engineering and Survey	10%			\$32,400.00		
13	Construction Management and Staking	10%			\$32,400.00		
	Total Construction Project (Items 1-13)					\$469,800.00	

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		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				37 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2037 - Carrington Lane - Main Street to Ricks Creek Reservoir							
1	Install new 12" PVC storm drain w/ seperation fabric	230	LF	\$65.00	\$14,950.00		
2	Provide & Install 48" storm drain manhole (incudes manhole lid and ring, grout and collars)	13	EA	\$4,500.00	\$58,500.00		
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	14	EA	\$3,500.00	\$49,000.00		
4	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)	4	EA	\$6,000.00	\$24,000.00		
5	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	2	EA	\$1,000.00	\$2,000.00		
6	Remove and haul away excisting storm drain pipe	120	LF	\$20.00	\$2,400.00		
7	Remove and haul away excisting storm drain structures	6	EA	\$1,000.00	\$6,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
9	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
10	Pulverize and haul away asphalt (including saw-cutting)	180	CY	\$20.00	\$3,600.00		
11	Excavate and haul away native material	1,500	CY	\$20.00	\$30,000.00		
12	Import gravel bedding	820	TN	\$25.00	\$20,500.00		
13	Import granular barrow (including compaction)	1,600	TN	\$25.00	\$40,000.00		
14	Import untreated base course (including compaction)	600	TN	\$30.00	\$18,000.00		
15	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-15)					\$306,950.00	
16	Contingency	25%			\$76,737.50		
17	Design Engineering and Survey	10%			\$30,695.00		
18	Construction Management and Staking	10%			\$30,695.00		
	Total Construction Project (Items 1-18)					\$445,077.50	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				38 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2038 - 650 North - 1000 West to 1250 West - Replace 30" CMP w/ 42" RCP							
1	Install new 42" RCP storm drain w/ seperation fabric	1,450	LF	\$260.00	\$377,000.00		
2	Provide & Install 60" storm drain manhole (includes manhole lid and ring, grout and collars)	2	EA	\$5,000.00	\$10,000.00		
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	4	EA	\$3,500.00	\$14,000.00		
4	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)	6	EA	\$6,000.00	\$36,000.00		
5	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	2	EA	\$1,000.00	\$2,000.00		
6	Remove and haul away excisting storm drain pipe	1,100	LF	\$20.00	\$22,000.00		
7	Remove and haul away excisting storm drain structures	10	EA	\$1,000.00	\$10,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
9	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
10	Pulverize and haul away asphalt (including saw-cutting)	150	CY	\$20.00	\$3,000.00		
11	Excavate and haul away native material	1,600	CY	\$20.00	\$32,000.00		
12	Import gravel bedding	1,200	TN	\$25.00	\$30,000.00		
13	Import granular barrow (including compaction)	1,000	TN	\$25.00	\$25,000.00		
14	Import untreated base course (including compaction)	300	TN	\$30.00	\$9,000.00		
15	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-15)					\$608,000.00	
16	Contingency	25%			\$152,000.00		
17	Design Engineering and Survey	10%			\$60,800.00		
18	Construction Management and Staking	10%			\$60,800.00		
	Total Construction Project (Items 1-18)					\$881,600.00	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
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		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				38 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2038 - Parrish Lane - Crossing at 800 West (7-11 to Carls Jr.) - Replace 36" CMP							
1	Install new 36" RCP storm drain w/ seperation fabric	120	LF	\$240.00	\$28,800.00		
2	Provide & Install 60" storm drain manhole (incudes manhole lid and ring, grout and collars)	2	EA	\$5,000.00	\$10,000.00		
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	2	EA	\$3,500.00	\$7,000.00		
4	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	4	EA	\$1,000.00	\$4,000.00		
5	Remove and haul away excisting storm drain pipe	120	LF	\$20.00	\$2,400.00		
6	Remove and haul away excisting storm drain structures	4	EA	\$1,000.00	\$4,000.00		
7	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
8	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
9	Pulverize and haul away asphalt (including saw-cutting)	30	CY	\$20.00	\$600.00		
10	Excavate and haul away native material	300	CY	\$20.00	\$6,000.00		
11	Import gravel bedding	200	TN	\$25.00	\$5,000.00		
12	Import granular barrow (including compaction)	250	TN	\$25.00	\$6,250.00		
13	Import untreated base course (including compaction)	75	TN	\$30.00	\$2,250.00		
14	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	50	TN	\$200.00	\$10,000.00		
15	UDOT Permits, Fees, etc.	1	Lump Sum	\$5,000.00	\$5,000.00		
16	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-16)					\$129,300.00	
17	Contingency	25%			\$32,325.00		
18	Design Engineering and Survey	10%			\$12,930.00		
19	Construction Management and Staking	10%			\$12,930.00		
	Total Construction Project (Items 1-19)					\$187,485.00	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
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		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				39 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2039 - 400 South - 400 East to 700 East							
1	Install new 12" PVC storm drain w/ seperation fabric	600	LF	\$65.00	\$39,000.00		
2	Provide & Install 48" storm drain manhole (includes manhole lid and ring, grout and collars)	7	EA	\$4,500.00	\$31,500.00		
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	1	EA	\$3,500.00	\$3,500.00		
4	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)	2	EA	\$6,000.00	\$12,000.00		
5	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	2	EA	\$1,000.00	\$2,000.00		
6	Remove and haul away excisting storm drain pipe	30	LF	\$20.00	\$600.00		
7	Remove and haul away excisting storm drain structures	2	EA	\$1,000.00	\$2,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
9	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
10	Pulverize and haul away asphalt (including saw-cutting)	130	CY	\$20.00	\$2,600.00		
11	Excavate and haul away native material	200	CY	\$20.00	\$4,000.00		
12	Import gravel bedding	250	TN	\$25.00	\$6,250.00		
13	Import granular barrow (including compaction)	400	TN	\$25.00	\$10,000.00		
14	Import untreated base course (including compaction)	150	TN	\$30.00	\$4,500.00		
15	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	75	TN	\$200.00	\$15,000.00		
16	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-16)					\$170,950.00	
17	Contingency	25%			\$42,737.50		
18	Design Engineering and Survey	10%			\$17,095.00		
19	Construction Management and Staking	10%			\$17,095.00		
	Total Construction Project (Items 1-19)					\$247,877.50	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
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		Owner:		Centerville City			
		Estimated by:				Project No.	
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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2039 - 780 South - 50 West to Pitford Drive							
1	Install new 12" PVC storm drain w/ seperation fabric	1,500	LF	\$65.00	\$97,500.00		
2	Provide & Install 48" storm drain manhole (incudes manhole lid and ring, grout and collars)	7	EA	\$4,500.00	\$31,500.00		
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	10	EA	\$3,500.00	\$35,000.00		
4	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)	3	EA	\$6,000.00	\$18,000.00		
5	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00		
6	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
7	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
8	Pulverize and haul away asphalt (including saw-cutting)	150	CY	\$20.00	\$3,000.00		
9	Excavate and haul away native material	900	CY	\$20.00	\$18,000.00		
10	Import gravel bedding	550	TN	\$25.00	\$13,750.00		
11	Import granular barrow (including compaction)	1,000	TN	\$25.00	\$25,000.00		
12	Import untreated base course (including compaction)	350	TN	\$30.00	\$10,500.00		
13	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-13)					\$291,250.00	
14	Contingency	25%			\$72,812.50		
15	Design Engineering and Survey	10%			\$29,125.00		
16	Construction Management and Staking	10%			\$29,125.00		
	Total Construction Project (Items 1-16)					\$422,312.50	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				40 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION		QUANTITY	UNITS	UNIT PRICE	AMOUNT	
Project Year 2040 - Hillside Property Drainage Project							
1	Install new 18" RCP storm drain w/ seperation fabric		3,900	LF	\$160.00	\$624,000.00	
2	Provide & Install 60" storm drain manhole w/grated lid (incudes manhole lid and ring, grout and collars)		15	EA	\$5,000.00	\$75,000.00	
3	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)		6	EA	\$6,000.00	\$36,000.00	
4	Tie-in to existing storm drain system (includes coring existing manhole & new collars)		1	EA	\$1,000.00	\$1,000.00	
5	Pothole existing utility for new alignment		1	Lump Sum	\$3,000.00	\$3,000.00	
6	Install new concrete curb & gutter		1,700	LF	\$65.00	\$110,500.00	
7	Excavate and haul away native material		5,200	CY	\$20.00	\$104,000.00	
8	Import gravel bedding		2,700	TN	\$25.00	\$67,500.00	
9	Import granular barrow (including compaction)		6,700	TN	\$25.00	\$167,500.00	
10	Import untreated base course (including compaction)		3,000	TN	\$30.00	\$90,000.00	
11	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)		1,100	TN	\$200.00	\$220,000.00	
12	Mobilization, Traffic Control, and Restore landscaping		1	Lump Sum	\$30,000.00	\$30,000.00	
	Subtotal (Items 1-12)					\$1,528,500.00	
13	Contingency		25%			\$382,125.00	
14	Design Engineering and Survey		10%			\$152,850.00	
15	Construction Management and Staking		10%			\$152,850.00	
	Total Construction Project (Items 1-15)					\$2,216,325.00	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
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		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				40 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2040 - 200 South - 600 East to 500 East - Replace CMP							
1	Install new 12" PVC storm drain w/ seperation fabric	400	LF	\$65.00	\$26,000.00		
2	Provide & Install 48" storm drain manhole (incudes manhole lid and ring, grout and collars)	1	EA	\$4,500.00	\$4,500.00		
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	3	EA	\$3,500.00	\$10,500.00		
4	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)	2	EA	\$6,000.00	\$12,000.00		
5	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00		
6	Remove and haul away excisting storm drain pipe	400	LF	\$20.00	\$8,000.00		
7	Remove and haul away excisting storm drain structures	4	EA	\$1,000.00	\$4,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
9	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
10	Pulverize and haul away asphalt (including saw-cutting)	30	CY	\$20.00	\$600.00		
11	Excavate and haul away native material	250	CY	\$20.00	\$5,000.00		
12	Import gravel bedding	150	TN	\$25.00	\$3,750.00		
13	Import granular barrow (including compaction)	250	TN	\$25.00	\$6,250.00		
14	Import untreated base course (including compaction)	100	TN	\$30.00	\$3,000.00		
15	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-15)					\$122,600.00	
16	Contingency	25%			\$30,650.00		
17	Design Engineering and Survey	10%			\$12,260.00		
18	Construction Management and Staking	10%			\$12,260.00		
	Total Construction Project (Items 1-18)					\$177,770.00	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				41 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2041 - 700 South - 475 East to 700 East							
1	Install new 12" PVC storm drain w/ seperation fabric	1,500	LF	\$65.00	\$97,500.00		
2	Provide & Install 48" storm drain manhole (incudes manhole lid and ring, grout and collars)	7	EA	\$4,500.00	\$31,500.00		
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	10	EA	\$3,500.00	\$35,000.00		
4	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)	3	EA	\$6,000.00	\$18,000.00		
5	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00		
6	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
7	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
8	Pulverize and haul away asphalt (including saw-cutting)	150	CY	\$20.00	\$3,000.00		
9	Excavate and haul away native material	900	CY	\$20.00	\$18,000.00		
10	Import gravel bedding	550	TN	\$25.00	\$13,750.00		
11	Import granular barrow (including compaction)	1,000	TN	\$25.00	\$25,000.00		
12	Import untreated base course (including compaction)	350	TN	\$30.00	\$10,500.00		
13	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-13)					\$291,250.00	
14	Contingency	25%			\$72,812.50		
15	Design Engineering and Survey	10%			\$29,125.00		
16	Construction Management and Staking	10%			\$29,125.00		
	Total Construction Project (Items 1-16)					\$422,312.50	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2041 - 600 North - 1250 West to Legacy Parkway							
1	Install new 36" RCP storm drain w/ seperation fabric	620	LF	\$260.00	\$161,200.00		
2	Provide & Install 60" storm drain manhole (includes manhole lid and ring, grout and collars)	4	EA	\$5,000.00	\$20,000.00		
3	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	2	EA	\$1,000.00	\$2,000.00		
4	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
5	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
6	Excavate and haul away native material	700	CY	\$20.00	\$14,000.00		
7	Import gravel bedding	500	TN	\$25.00	\$12,500.00		
8	Import granular barrow (including compaction)	500	TN	\$25.00	\$12,500.00		
9	Import untreated base course (including compaction)	180	TN	\$30.00	\$5,400.00		
10	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-10)					\$265,600.00	
11	Contingency	25%			\$66,400.00		
12	Design Engineering and Survey	10%			\$26,560.00		
13	Construction Management and Staking	10%			\$26,560.00		
	Total Construction Project (Items 1-13)					\$385,120.00	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
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		Owner:		Centerville City			
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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2042 - 400 North - 1550 West to 1300 West							
1	Install new 36" RPC storm drain w/ seperation fabric	650	LF	\$260.00	\$169,000.00		
2	Provide & Install 60" storm drain manhole (includes manhole lid and ring, grout and collars)	2	EA	\$5,000.00	\$10,000.00		
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	6	EA	\$3,500.00	\$21,000.00		
4	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)	2	EA	\$6,000.00	\$12,000.00		
5	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	2	EA	\$1,000.00	\$2,000.00		
6	Remove and haul away excisting storm drain pipe	350	LF	\$20.00	\$7,000.00		
7	Remove and haul away excisting storm drain structures	7	EA	\$1,000.00	\$7,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
9	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
10	Excavate and haul away native material	750	CY	\$20.00	\$15,000.00		
11	Import gravel bedding	500	TN	\$25.00	\$12,500.00		
12	Import granular barrow (including compaction)	500	TN	\$25.00	\$12,500.00		
13	Import untreated base course (including compaction)	200	TN	\$30.00	\$6,000.00		
14	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-14)				\$312,000.00		
15	Contingency	25%			\$78,000.00		
16	Design Engineering and Survey	10%			\$31,200.00		
17	Construction Management and Staking	10%			\$31,200.00		
	Total Construction Project (Items 1-17)					\$452,400.00	

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		Owner:		Centerville City			
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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2042 -1250 West - Crossing at 75 North							
1	Install new 24" RPC storm drain w/ seperation fabric	60	LF	\$240.00	\$14,400.00		
2	Provide & Install 60" storm drain manhole (incudes manhole lid and ring, grout and collars)	2	EA	\$5,000.00	\$10,000.00		
3	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	2	EA	\$1,000.00	\$2,000.00		
4	Remove and haul away excisting storm drain pipe	60	LF	\$20.00	\$1,200.00		
5	Remove and haul away excisting storm drain structures	2	EA	\$1,000.00	\$2,000.00		
6	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
7	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
8	Pulverize and haul away asphalt (including saw-cutting)	7	CY	\$20.00	\$140.00		
9	Excavate and haul away native material	75	CY	\$20.00	\$1,500.00		
10	Import gravel bedding	45	TN	\$25.00	\$1,125.00		
11	Import granular barrow (including compaction)	50	TN	\$25.00	\$1,250.00		
12	Import untreated base course (including compaction)	20	TN	\$30.00	\$600.00		
13	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	15	TN	\$200.00	\$3,000.00		
14	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-14)				\$75,215.00		
15	Contingency	25%			\$18,803.75		
16	Design Engineering and Survey	10%			\$7,521.50		
17	Construction Management and Staking	10%			\$7,521.50		
	Total Construction Project (Items 1-17)					\$109,061.75	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
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		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				43 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION		QUANTITY	UNITS	UNIT PRICE	AMOUNT	
Project Year 2043 - 70 West - 115 N to Center Street							
1	Install new 15" RPC storm drain w/ seperation fabric		800	LF	\$180.00	\$144,000.00	
2	Provide & Install 60" storm drain manhole (includes manhole lid and ring, grout and collars)		3	EA	\$5,000.00	\$15,000.00	
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)		2	EA	\$3,500.00	\$7,000.00	
4	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)		5	EA	\$6,000.00	\$30,000.00	
5	Tie-in to existing storm drain system (includes coring existing manhole & new collars)		1	EA	\$1,000.00	\$1,000.00	
6	Remove and haul away excisting storm drain pipe		750	LF	\$20.00	\$15,000.00	
7	Remove and haul away excisting storm drain structures		9	EA	\$1,000.00	\$9,000.00	
8	Pothole existing utility for new alignment		1	Lump Sum	\$3,000.00	\$3,000.00	
9	Remove and replace concrete (including saw-cutting)		1	Lump Sum	\$5,000.00	\$5,000.00	
10	Pulverize and haul away asphalt (including saw-cutting)		70	CY	\$20.00	\$1,400.00	
11	Excavate and haul away native material		600	CY	\$20.00	\$12,000.00	
12	Import gravel bedding		350	TN	\$25.00	\$8,750.00	
13	Import granular barrow (including compaction)		700	TN	\$25.00	\$17,500.00	
14	Import untreated base course (including compaction)		200	TN	\$30.00	\$6,000.00	
15	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)		150	TN	\$200.00	\$30,000.00	
16	Mobilization, Traffic Control, and Restore landscaping		1	Lump Sum	\$30,000.00	\$30,000.00	
	Subtotal (Items 1-16)					\$334,650.00	
17	Contingency		25%			\$83,662.50	
18	Design Engineering and Survey		10%			\$33,465.00	
19	Construction Management and Staking		10%			\$33,465.00	
	Total Construction Project (Items 1-19)						\$485,242.50

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
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		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				43 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION		QUANTITY	UNITS	UNIT PRICE	AMOUNT	
Project Year 2043 - 550 South - Pitford Drive to 400 West - Pipe Lining Project							
1	Line 3 sections of 24" CMP		650	LF	\$220.00	\$143,000.00	
2	Mobilization, demobilization, bonds, permits, and Fees		1	Lump Sum	\$5,000.00	\$5,000.00	
3	Traffic control/barricading		1	Lump Sum	\$50,000.00	\$50,000.00	
	Subtotal (Items 1-3)					\$198,000.00	
4	Contingency		25%			\$49,500.00	
5	Design Engineering and Survey		10%			\$19,800.00	
6	Construction Management and Staking		10%			\$19,800.00	
	Total Construction Project (Items 1-6)					\$287,100.00	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
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		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				44 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2044 - 1275 North - 1250 West to 1300 West							
1	Install new 24" RPC storm drain w/ seperation fabric	1,000	LF	\$240.00	\$240,000.00		
2	Provide & Install 60" storm drain manhole (includes manhole lid and ring, grout and collars)	4	EA	\$5,000.00	\$20,000.00		
3	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	2	EA	\$1,000.00	\$2,000.00		
4	Remove and haul away excisting storm drain structures	2	EA	\$1,000.00	\$2,000.00		
5	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
6	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
7	Excavate and haul away native material	1,400	CY	\$20.00	\$28,000.00		
8	Import gravel bedding	900	TN	\$25.00	\$22,500.00		
9	Import granular barrow (including compaction)	1,500	TN	\$25.00	\$37,500.00		
10	Import untreated base course (including compaction)	400	TN	\$30.00	\$12,000.00		
11	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-11)					\$402,000.00	
12	Contingency	25%			\$100,500.00		
13	Design Engineering and Survey	10%			\$40,200.00		
14	Construction Management and Staking	10%			\$40,200.00		
	Total Construction Project (Items 1-14)					\$582,900.00	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
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		Owner:		Centerville City			
		Estimated by:				Project No.	
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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2044 - Aspen Way & Poplar Circle - 400 East to 610 East							
1	Install new 12" PVC storm drain w/ seperation fabric	1,000	LF	\$65.00	\$65,000.00		
2	Provide & Install 48" storm drain manhole (incudes manhole lid and ring, grout and collars)	3	EA	\$4,500.00	\$13,500.00		
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	5	EA	\$3,500.00	\$17,500.00		
4	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)	3	EA	\$6,000.00	\$18,000.00		
5	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	3	EA	\$1,000.00	\$3,000.00		
6	Remove and haul away excisting storm drain pipe	30	LF	\$20.00	\$600.00		
7	Remove and haul away excisting storm drain structures	1	EA	\$1,000.00	\$1,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
9	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
10	Pulverize and haul away asphalt (including saw-cutting)	75	CY	\$20.00	\$1,500.00		
11	Excavate and haul away native material	600	CY	\$20.00	\$12,000.00		
12	Import gravel bedding	350	TN	\$25.00	\$8,750.00		
13	Import granular barrow (including compaction)	700	TN	\$25.00	\$17,500.00		
14	Import untreated base course (including compaction)	250	TN	\$30.00	\$7,500.00		
15	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-15)					\$203,850.00	
16	Contingency	25%			\$50,962.50		
17	Design Engineering and Survey	10%			\$20,385.00		
18	Construction Management and Staking	10%			\$20,385.00		
	Total Construction Project (Items 1-18)					\$295,582.50	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
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		Owner:		Centerville City			
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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2045 - Willow Valley Drive to Frontage Road Swale - Pipe (3) 15" System							
1	Install new 15" RCP storm drain w/ seperation fabric	1,600	LF	\$180.00	\$288,000.00		
2	Provide & Install 48" storm drain manhole (includes manhole lid and ring, grout and collars)	2	EA	\$4,500.00	\$9,000.00		
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	3	EA	\$3,500.00	\$10,500.00		
4	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)	3	EA	\$6,000.00	\$18,000.00		
5	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	2	EA	\$1,000.00	\$2,000.00		
6	Remove and haul away excisting storm drain pipe	100	LF	\$20.00	\$2,000.00		
7	Remove and haul away excisting storm drain structures	5	EA	\$1,000.00	\$5,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
9	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
10	Pulverize and haul away asphalt (including saw-cutting)	120	CY	\$20.00	\$2,400.00		
11	Excavate and haul away native material	1,200	CY	\$20.00	\$24,000.00		
12	Import gravel bedding	650	TN	\$25.00	\$16,250.00		
13	Import granular barrow (including compaction)	1,500	TN	\$25.00	\$37,500.00		
14	Import untreated base course (including compaction)	400	TN	\$30.00	\$12,000.00		
15	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	300	TN	\$200.00	\$60,000.00		
16	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-16)					\$524,650.00	
17	Contingency	25%			\$131,162.50		
18	Design Engineering and Survey	10%			\$52,465.00		
19	Construction Management and Staking	10%			\$52,465.00		
	Total Construction Project (Items 1-19)					\$760,742.50	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
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		Owner:		Centerville City			
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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2045 - Main Street - 1600 North to Smoot Park							
1	Install new 12" PVC storm drain w/ seperation fabric	325	LF	\$65.00	\$21,125.00		
2	Provide & Install 48" storm drain manhole (incudes manhole lid and ring, grout and collars)	1	EA	\$4,500.00	\$4,500.00		
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	1	EA	\$3,500.00	\$3,500.00		
4	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)	2	EA	\$6,000.00	\$12,000.00		
5	Provide & Install inlet/outlet structure	1	EA	\$5,000.00	\$5,000.00		
6	Remove and haul away excisting storm drain pipe	325	LF	\$20.00	\$6,500.00		
7	Remove and haul away excisting storm drain structures	2	EA	\$1,000.00	\$2,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
9	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
10	Pulverize and haul away asphalt (including saw-cutting)	40	CY	\$20.00	\$800.00		
11	Excavate and haul away native material	250	CY	\$20.00	\$5,000.00		
12	Import gravel bedding	120	TN	\$25.00	\$3,000.00		
13	Import granular barrow (including compaction)	320	TN	\$25.00	\$8,000.00		
14	Import untreated base course (including compaction)	75	TN	\$30.00	\$2,250.00		
15	UDOT permits, fees ect.	1	Lump Sum	\$5,000.00	\$5,000.00		
16	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-16)					\$116,675.00	
17	Contingency	25%			\$29,168.75		
18	Design Engineering and Survey	10%			\$11,667.50		
19	Construction Management and Staking	10%			\$11,667.50		
	Total Construction Project (Items 1-19)					\$169,178.75	

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		Owner:		Centerville City			
		Estimated by:				Project No.	
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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2046 - 1825 North - Main Street to 300 East							
1	Install new 12" PVC storm drain w/ seperation fabric	2,000	LF	\$65.00	\$130,000.00		
2	Provide & Install 48" storm drain manhole (includes manhole lid and ring, grout and collars)	8	EA	\$4,500.00	\$36,000.00		
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	14	EA	\$3,500.00	\$49,000.00		
4	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)	5	EA	\$6,000.00	\$30,000.00		
5	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00		
6	Remove and haul away excisting storm drain pipe	150	LF	\$20.00	\$3,000.00		
7	Remove and haul away excisting storm drain structures	8	EA	\$1,000.00	\$8,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
9	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
10	Pulverize and haul away asphalt (including saw-cutting)	175	CY	\$20.00	\$3,500.00		
11	Excavate and haul away native material	1,200	CY	\$20.00	\$24,000.00		
12	Import gravel bedding	600	TN	\$25.00	\$15,000.00		
13	Import granular barrow (including compaction)	1,200	TN	\$25.00	\$30,000.00		
14	Import untreated base course (including compaction)	500	TN	\$30.00	\$15,000.00		
15	UDOT permits, fees ect.	1	Lump Sum	\$5,000.00	\$5,000.00		
16	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-16)					\$387,500.00	
17	Contingency	25%			\$96,875.00		
18	Design Engineering and Survey	10%			\$38,750.00		
19	Construction Management and Staking	10%			\$38,750.00		
	Total Construction Project (Items 1-19)					\$561,875.00	

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		Owner:		Centerville City			
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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2046 - 1975 North - Main Street to 150 East							
1	Install new 12" PVC storm drain w/ seperation fabric	1,000	LF	\$65.00	\$65,000.00		
2	Provide & Install 48" storm drain manhole (includes manhole lid and ring, grout and collars)	5	EA	\$4,500.00	\$22,500.00		
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	7	EA	\$3,500.00	\$24,500.00		
4	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)	3	EA	\$6,000.00	\$18,000.00		
5	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00		
6	Remove and haul away excisting storm drain pipe	120	LF	\$20.00	\$2,400.00		
7	Remove and haul away excisting storm drain structures	4	EA	\$1,000.00	\$4,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
9	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
10	Pulverize and haul away asphalt (including saw-cutting)	80	CY	\$20.00	\$1,600.00		
11	Excavate and haul away native material	600	CY	\$20.00	\$12,000.00		
12	Import gravel bedding	350	TN	\$25.00	\$8,750.00		
13	Import granular barrow (including compaction)	650	TN	\$25.00	\$16,250.00		
14	Import untreated base course (including compaction)	250	TN	\$30.00	\$7,500.00		
15	UDOT permits, fees ect.	1	Lump Sum	\$5,000.00	\$5,000.00		
16	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-16)					\$226,500.00	
17	Contingency	25%			\$56,625.00		
18	Design Engineering and Survey	10%			\$22,650.00		
19	Construction Management and Staking	10%			\$22,650.00		
	Total Construction Project (Items 1-19)					\$328,425.00	

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		Owner:		Centerville City			
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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2047 - Future 1250 West Extension - Rick's Creek 12' x 5' Box Culvert							
1	Install new 12' x 5' box culvert	100	LF	\$1,000.00	\$100,000.00		
2	Install inlet and outlet headwall structures	2	EA	\$10,000.00	\$20,000.00		
3	Pothole existing utility for new alignment	1	Lump Sum	\$1,000.00	\$1,000.00		
4	Excavate and haul away native material	500	CY	\$20.00	\$10,000.00		
5	Import gravel bedding	100	TN	\$25.00	\$2,500.00		
6	Import granular barrow (including compaction)	100	TN	\$25.00	\$2,500.00		
7	Import untreated base course (including compaction)	25	TN	\$30.00	\$750.00		
8	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-8)					\$166,750.00	
9	Contingency	25%			\$41,687.50		
10	Design Engineering and Survey	10%			\$16,675.00		
11	Construction Management and Staking	10%			\$16,675.00		
	Total Construction Project (Items 1-11)					\$241,787.50	

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		Owner:		Centerville City			
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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2047 - Future 1250 West Extension - 1875 North (Villa de France) - 36" RCP Culvert							
1	Install new 36" RCP storm drain w/ seperation fabric	100	LF	\$260.00	\$26,000.00		
2	Install inlet and outlet structures	2	EA	\$1,000.00	\$2,000.00		
3	Pothole existing utility for new alignment	1	Lump Sum	\$1,000.00	\$1,000.00		
4	Excavate and haul away native material	500	CY	\$20.00	\$10,000.00		
5	Import gravel bedding	80	TN	\$25.00	\$2,000.00		
6	Import granular barrow (including compaction)	100	TN	\$25.00	\$2,500.00		
7	Import untreated base course (including compaction)	25	TN	\$30.00	\$750.00		
8	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-8)					\$74,250.00	
9	Contingency	25%			\$18,562.50		
10	Design Engineering and Survey	10%			\$7,425.00		
11	Construction Management and Staking	10%			\$7,425.00		
	Total Construction Project (Items 1-11)						\$107,662.50

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		Owner:		Centerville City			
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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2048 - D&RG Rick's Creek - 72" x 48" Elliptical RCP Culvert							
1	Install new 72" x 48" Elliptical RCP culvert storm drain w/ seperation fabric	100	LF	\$1,000.00	\$100,000.00		
2	Install inlet and outlet structures	2	EA	\$1,000.00	\$2,000.00		
3	Pothole existing utility for new alignment	1	Lump Sum	\$1,000.00	\$1,000.00		
4	Excavate and haul away native material	250	CY	\$20.00	\$5,000.00		
5	Import gravel bedding	175	TN	\$25.00	\$4,375.00		
6	Import granular barrow (including compaction)	175	TN	\$25.00	\$4,375.00		
7	Import untreated base course (including compaction)	25	TN	\$30.00	\$750.00		
8	UTA permits, fees ect.	1	Lump Sum	\$5,000.00	\$5,000.00		
9	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-9)					\$152,500.00	
	Davis County's Cost	75%			\$114,375.00		
	Centerville City's Cost	25%			\$38,125.00		
10	Contingency	25%			\$9,531.25		
11	Design Engineering and Survey	10%			\$3,812.50		

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				48 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2048 - D&RG 2075 North - 36" Culvert							
1	Install new 36" RCP storm drain w/ seperation fabric	100	LF	\$260.00	\$26,000.00		
2	Install inlet and outlet structures	2	EA	\$1,000.00	\$2,000.00		
3	Pothole existing utility for new alignment	1	Lump Sum	\$1,000.00	\$1,000.00		
4	Excavate and haul away native material	500	CY	\$20.00	\$10,000.00		
5	Import gravel bedding	80	TN	\$25.00	\$2,000.00		
6	Import granular barrow (including compaction)	100	TN	\$25.00	\$2,500.00		
7	Import untreated base course (including compaction)	25	TN	\$30.00	\$750.00		
8	UTA permits, fees ect.	1	Lump Sum	\$5,000.00	\$5,000.00		
9	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-9)					\$79,250.00	
10	Contingency	25%			\$19,812.50		
11	Design Engineering and Survey	10%			\$7,925.00		
12	Construction Management and Staking	10%			\$7,925.00		
	Total Construction Project (Items 1-12)					\$114,912.50	

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				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				49 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2049 - 1275 N - replace ADS with RCP							
1	Install new 24" RCP storm drain w/ seperation fabric	50	LF	\$240.00	\$12,000.00		
2	Provide & Install 60" storm drain manhole (includes manhole lid and ring, grout and collars)	2	EA	\$5,000.00	\$10,000.00		
3	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	2	EA	\$1,000.00	\$2,000.00		
4	Remove and haul away excisting storm drain pipe	50	LF	\$20.00	\$1,000.00		
5	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
6	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
7	Pulverize and haul away asphalt (including saw-cutting)	10	CY	\$20.00	\$200.00		
8	Excavate and haul away native material	50	CY	\$20.00	\$1,000.00		
9	Import gravel bedding	25	TN	\$25.00	\$625.00		
10	Import granular barrow (including compaction)	35	TN	\$25.00	\$875.00		
11	Import untreated base course (including compaction)	12	TN	\$30.00	\$360.00		
12	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-12)					\$66,060.00	
13	Contingency	25%			\$16,515.00		
14	Design Engineering and Survey	10%			\$6,606.00		
15	Construction Management and Staking	10%			\$6,606.00		
	Total Construction Project (Items 1-15)					\$95,787.00	

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				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				49 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2049 - 71" x 47" CMP Culvert at Legacy Trail and Sheep Road at 1000 North							
1	Install new 72" x 48" Elliptical RCP culvert storm drain w/ seperation fabric under Legacy Trail	100	LF	\$1,000.00	\$100,000.00		
2	Install inlet and outlet structures	2	EA	\$2,500.00	\$5,000.00		
3	Pothole existing utility for new alignment	1	Lump Sum	\$1,000.00	\$1,000.00		
4	Excavate and haul away native material	200	CY	\$20.00	\$4,000.00		
5	Import gravel bedding	200	TN	\$25.00	\$5,000.00		
6	Import granular barrow (including compaction)	150	TN	\$25.00	\$3,750.00		
7	Import untreated base course (including compaction)	50	TN	\$30.00	\$1,500.00		
8	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-8)					\$150,250.00	
9	Contingency	25%			\$37,562.50		
10	Design Engineering and Survey	10%			\$15,025.00		
11	Construction Management and Staking	10%			\$15,025.00		
	Total Construction Project (Items 1-11)					\$217,862.50	

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				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				50 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION		QUANTITY	UNITS	UNIT PRICE		AMOUNT
Project Year 2050 - Sheep Road 2075 North - 36" Culvert							
1	Install new 36" RCP storm drain w/ seperation fabric		100	LF	\$260.00		\$26,000.00
2	Install inlet and outlet structures		2	EA	\$5,000.00		\$10,000.00
3	Pothole existing utility for new alignment		1	Lump Sum	\$1,000.00		\$1,000.00
4	Excavate and haul away native material		500	CY	\$20.00		\$10,000.00
5	Import gravel bedding		80	TN	\$25.00		\$2,000.00
6	Import granular barrow (including compaction)		100	TN	\$25.00		\$2,500.00
7	Import untreated base course (including compaction)		25	TN	\$30.00		\$750.00
8	Mobilization, Traffic Control, and Restore landscaping		1	Lump Sum	\$30,000.00		\$30,000.00
	Subtotal (Items 1-8)						\$82,250.00
9	Contingency		25%				\$20,562.50
10	Design Engineering and Survey		10%				\$8,225.00
11	Construction Management and Staking		10%				\$8,225.00
	Total Construction Project (Items 1-11)						\$119,262.50

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				50 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION		QUANTITY	UNITS	UNIT PRICE		AMOUNT
Project Year 2050 - Sheep Road Rick's Creek - 71" x 47" Elliptical RCP Culvert							
1	Install new 72" x 48" Elliptical RCP culvert storm drain w/ seperation fabric under Sheep Road		65	LF	\$1,000.00		\$65,000.00
2	Install inlet and outlet structures		2	EA	\$2,500.00		\$5,000.00
3	Pothole existing utility for new alignment		1	Lump Sum	\$1,000.00		\$1,000.00
4	Excavate and haul away native material		150	CY	\$20.00		\$3,000.00
5	Import gravel bedding		100	TN	\$25.00		\$2,500.00
6	Import granular barrow (including compaction)		100	TN	\$25.00		\$2,500.00
7	Import untreated base course (including compaction)		40	TN	\$30.00		\$1,200.00
8	Mobilization, Traffic Control, and Restore landscaping		1	Lump Sum	\$30,000.00		\$30,000.00
	Subtotal (Items 1-8)						\$110,200.00
9	Contingency		25%			\$27,550.00	
10	Design Engineering and Survey		10%			\$11,020.00	
11	Construction Management and Staking		10%			\$11,020.00	
	Total Construction Project (Items 1-11)						\$159,790.00

Appendix D

Subdrain Project Cost Estimates

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				24 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2024 - Pitford - 550 South to Tobe							
1	Install new 8" PVC subdrain w/ seperation fabric	470	LF	\$55.00	\$25,850.00		
2	Install new 4" PVC subdrain lateral w/ seperation fabric	250	LF	\$45.00	\$11,250.00		
3	Provide & Install 48" subdrain manhole (incudes manhole lid and ring, grout and collars)	3	EA	\$4,500.00	\$13,500.00		
4	Tie-in to existing subdrain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00		
5	Remove and haul away excisting subdrain pipe	470	LF	\$20.00	\$9,400.00		
6	Remove and haul away excisting subdrain structures	4	EA	\$1,000.00	\$4,000.00		
7	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
8	Remove and replace curb and gutter (including saw-cut)	100	LF	\$65.00	\$6,500.00		
9	Remove and replace sidewalk (including saw-cut)	160	SF	\$20.00	\$3,200.00		
10	Pulverize and haul away asphalt (including saw-cutting)	60	CY	\$20.00	\$1,200.00		
11	Excavate and haul away native material	750	CY	\$20.00	\$15,000.00		
12	Import gravel bedding	200	TN	\$25.00	\$5,000.00		
13	Import granular barrow (including compaction)	700	TN	\$25.00	\$17,500.00		
14	Import untreated base course (including compaction)	150	TN	\$30.00	\$4,500.00		
15	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	110	TN	\$200.00	\$22,000.00		
16	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-16)					\$172,900.00	
17	Contingency	25%			\$43,225.00		
18	Design Engineering and Survey	10%			\$17,290.00		
19	Construction Management and Staking	10%			\$17,290.00		
	Total Construction Project (Items 1-19)					\$250,705.00	

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		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				26 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2026 - Ariane Way - 450 West to 650 West							
1	Install new 8" PVC subdrain w/ seperation fabric	1,600	LF	\$55.00	\$88,000.00		
2	Install new 4" PVC subdrain lateral w/ seperation fabric	550	LF	\$45.00	\$24,750.00		
3	Provide & Install 48" subdrain manhole (incudes manhole lid and ring, grout and collars)	9	EA	\$4,500.00	\$40,500.00		
4	Tie-in to existing subdrain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00		
5	Remove and haul away excisting subdrain pipe	1,600	LF	\$20.00	\$32,000.00		
6	Remove and haul away excisting subdrain structures	10	EA	\$1,000.00	\$10,000.00		
7	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
8	Remove and replace curb and gutter (including saw-cut)	290	LF	\$65.00	\$18,850.00		
9	Remove and replace sidewalk (including saw-cut)	464	SF	\$20.00	\$9,280.00		
10	Pulverize and haul away asphalt (including saw-cutting)	200	CY	\$20.00	\$4,000.00		
11	Excavate and haul away native material	2,500	CY	\$20.00	\$50,000.00		
12	Import gravel bedding	550	TN	\$25.00	\$13,750.00		
13	Import granular barrow (including compaction)	2,300	TN	\$25.00	\$57,500.00		
14	Import untreated base course (including compaction)	450	TN	\$30.00	\$13,500.00		
15	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	400	TN	\$200.00	\$80,000.00		
16	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-16)					\$476,130.00	
17	Contingency	25%			\$119,032.50		
18	Design Engineering and Survey	10%			\$47,613.00		
19	Construction Management and Staking	10%			\$47,613.00		
	Total Construction Project (Items 1-19)					\$690,388.50	



ESI Engineering, Inc.

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Project: Drainage Master Plan
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Project No.
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Conceptual Estimate

ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT
Project Year 2027 - Parrish Lane - 100 East to Main Street					
1	Install new 8" PVC subdrain w/ seperation fabric	450	LF	\$55.00	\$24,750.00
2	Install new 4" PVC subdrain lateral w/ seperation fabric	220	LF	\$45.00	\$9,900.00
3	Provide & Install 48" subdrain manhole (incudes manhole lid and ring, grout and collars)	3	EA	\$4,500.00	\$13,500.00
4	Tie-in to existing subdrain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00
5	Remove and haul away excisting subdrain pipe	450	LF	\$20.00	\$9,000.00
6	Remove and haul away excisting subdrain structures	2	EA	\$1,000.00	\$2,000.00
7	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00
8	Remove and replace curb and gutter (including saw-cut)	70	LF	\$65.00	\$4,550.00
9	Remove and replace sidewalk (including saw-cut)	112	SF	\$20.00	\$2,240.00
10	Pulverize and haul away asphalt (including saw-cutting)	60	CY	\$20.00	\$1,200.00
11	Excavate and haul away native material	700	CY	\$20.00	\$14,000.00
12	Import gravel bedding	150	TN	\$25.00	\$3,750.00
13	Import granular barrow (including compaction)	1,200	TN	\$25.00	\$30,000.00
14	Import untreated base course (including compaction)	150	TN	\$30.00	\$4,500.00
15	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	120	TN	\$200.00	\$24,000.00
16	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00
Subtotal (Items 1-16)					\$177,390.00
17	Contingency	25%			\$44,347.50
18	Design Engineering and Survey	10%			\$17,739.00
19	Construction Management and Staking	10%			\$17,739.00
Total Construction Project (Items 1-19)					\$257,215.50

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		Owner:		Centerville City			
		Estimated by:				Project No.	
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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION		QUANTITY	UNITS	UNIT PRICE	AMOUNT	
Project Year 2029 - 1850 North - 100 West to 400 West							
1	Install new 8" PVC subdrain w/ seperation fabric		1,400	LF	\$55.00	\$77,000.00	
2	Install new 4" PVC subdrain lateral w/ seperation fabric		780	LF	\$45.00	\$35,100.00	
3	Provide & Install 48" subdrain manhole (incudes manhole lid and ring, grout and collars)		7	EA	\$4,500.00	\$31,500.00	
4	Tie-in to existing subdrain system (includes coring existing manhole & new collars)		1	EA	\$1,000.00	\$1,000.00	
5	Pothole existing utility for new alignment		1	Lump Sum	\$3,000.00	\$3,000.00	
6	Remove and replace curb and gutter (including saw-cut)		280	LF	\$65.00	\$18,200.00	
7	Remove and replace sidewalk (including saw-cut)		448	SF	\$20.00	\$8,960.00	
8	Pulverize and haul away asphalt (including saw-cutting)		200	CY	\$20.00	\$4,000.00	
9	Excavate and haul away native material		2,300	CY	\$20.00	\$46,000.00	
10	Import gravel bedding		500	TN	\$25.00	\$12,500.00	
11	Import granular barrow (including compaction)		2,000	TN	\$25.00	\$50,000.00	
12	Import untreated base course (including compaction)		450	TN	\$30.00	\$13,500.00	
13	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)		350	TN	\$200.00	\$70,000.00	
14	Mobilization, Traffic Control, and Restore landscaping		1	Lump Sum	\$30,000.00	\$30,000.00	
	Subtotal (Items 1-14)					\$400,760.00	
15	Contingency		25%			\$100,190.00	
16	Design Engineering and Survey		10%			\$40,076.00	
17	Construction Management and Staking		10%			\$40,076.00	
	Total Construction Project (Items 1-17)						\$581,102.00



ESI Engineering, Inc.

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Consulting Engineers & Land Surveyors

Project: Drainage Master Plan
Storm Drain Projects

Owner: **Centerville City**

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Project No.

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Conceptual Estimate

ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT
Project Year 2030 - 1500 North Cul-de-sac on 400 West					
1	Install new 8" PVC subdrain w/ seperation fabric	350	LF	\$55.00	\$19,250.00
2	Install new 4" PVC subdrain lateral w/ seperation fabric	150	LF	\$45.00	\$6,750.00
3	Provide & Install 48" subdrain manhole (incudes manhole lid and ring, grout and collars)	1	EA	\$4,500.00	\$4,500.00
4	Tie-in to existing subdrain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00
5	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00
6	Remove and replace curb and gutter (including saw-cut)	80	LF	\$65.00	\$5,200.00
7	Remove and replace sidewalk (including saw-cut)	128	SF	\$20.00	\$2,560.00
8	Pulverize and haul away asphalt (including saw-cutting)	50	CY	\$20.00	\$1,000.00
9	Excavate and haul away native material	600	CY	\$20.00	\$12,000.00
10	Import gravel bedding	150	TN	\$25.00	\$3,750.00
11	Import granular barrow (including compaction)	500	TN	\$25.00	\$12,500.00
12	Import untreated base course (including compaction)	120	TN	\$30.00	\$3,600.00
13	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	100	TN	\$200.00	\$20,000.00
14	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00
	Subtotal (Items 1-14)				\$125,110.00
15	Contingency	25%			\$31,277.50
16	Design Engineering and Survey	10%			\$12,511.00
17	Construction Management and Staking	10%			\$12,511.00
	Total Construction Project (Items 1-17)				\$181,409.50



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Project: Drainage Master Plan
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Project No.
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Conceptual Estimate

ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT
Project Year 2031 - 1600 North (Rick's Creek Way) - 100 West to 200 West					
1	Install new 8" PVC subdrain w/ seperation fabric	1,200	LF	\$55.00	\$66,000.00
2	Install new 4" PVC subdrain lateral w/ seperation fabric	520	LF	\$45.00	\$23,400.00
3	Provide & Install 48" subdrain manhole (incudes manhole lid and ring, grout and collars)	8	EA	\$4,500.00	\$36,000.00
4	Tie-in to existing subdrain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00
5	Remove and haul away excisting subdrain pipe	450	LF	\$20.00	\$9,000.00
6	Remove and haul away excisting subdrain structures	2	EA	\$1,000.00	\$2,000.00
7	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00
8	Remove and replace curb and gutter (including saw-cut)	170	LF	\$65.00	\$11,050.00
9	Remove and replace sidewalk (including saw-cut)	272	SF	\$20.00	\$5,440.00
10	Pulverize and haul away asphalt (including saw-cutting)	150	CY	\$20.00	\$3,000.00
11	Excavate and haul away native material	1,900	CY	\$20.00	\$38,000.00
12	Import gravel bedding	400	TN	\$25.00	\$10,000.00
13	Import granular barrow (including compaction)	1,500	TN	\$25.00	\$37,500.00
14	Import untreated base course (including compaction)	350	TN	\$30.00	\$10,500.00
15	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	300	TN	\$200.00	\$60,000.00
16	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00
Subtotal (Items 1-16)					\$345,890.00
17	Contingency	25%			\$86,472.50
18	Design Engineering and Survey	10%			\$34,589.00
19	Construction Management and Staking	10%			\$34,589.00
Total Construction Project (Items 1-19)					\$501,540.50



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Project: Drainage Master Plan
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Project No.
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Conceptual Estimate

ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT
Project Year 2032 - 1650 North (Milky Way) - 100 West to 200 West					
1	Install new 8" PVC subdrain w/ seperation fabric	1,200	LF	\$55.00	\$66,000.00
2	Install new 4" PVC subdrain lateral w/ seperation fabric	585	LF	\$45.00	\$26,325.00
3	Provide & Install 48" subdrain manhole (incudes manhole lid and ring, grout and collars)	8	EA	\$4,500.00	\$36,000.00
4	Tie-in to existing subdrain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00
5	Remove and haul away excisting subdrain pipe	1,000	LF	\$20.00	\$20,000.00
6	Remove and haul away excisting subdrain structures	5	EA	\$1,000.00	\$5,000.00
7	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00
8	Remove and replace curb and gutter (including saw-cut)	210	LF	\$65.00	\$13,650.00
9	Remove and replace sidewalk (including saw-cut)	336	SF	\$20.00	\$6,720.00
10	Pulverize and haul away asphalt (including saw-cutting)	150	CY	\$20.00	\$3,000.00
11	Excavate and haul away native material	1,900	CY	\$20.00	\$38,000.00
12	Import gravel bedding	400	TN	\$25.00	\$10,000.00
13	Import granular barrow (including compaction)	1,500	TN	\$25.00	\$37,500.00
14	Import untreated base course (including compaction)	350	TN	\$30.00	\$10,500.00
15	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	300	TN	\$200.00	\$60,000.00
16	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00
Subtotal (Items 1-16)					\$366,695.00
17	Contingency	25%			\$91,673.75
18	Design Engineering and Survey	10%			\$36,669.50
19	Construction Management and Staking	10%			\$36,669.50
Total Construction Project (Items 1-19)					\$531,707.75

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				33 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2033 - 1800 North - 300 West to 400 West							
1	Install new 8" PVC subdrain w/ seperation fabric	450	LF	\$55.00	\$24,750.00		
2	Install new 4" PVC subdrain lateral w/ seperation fabric	175	LF	\$45.00	\$7,875.00		
3	Provide & Install 48" subdrain manhole (incudes manhole lid and ring, grout and collars)	3	EA	\$4,500.00	\$13,500.00		
4	Tie-in to existing subdrain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00		
5	Remove and haul away excisting subdrain pipe	450	LF	\$20.00	\$9,000.00		
6	Remove and haul away excisting subdrain structures	2	EA	\$1,000.00	\$2,000.00		
7	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
8	Remove and replace curb and gutter (including saw-cut)	70	LF	\$65.00	\$4,550.00		
9	Remove and replace sidewalk (including saw-cut)	112	SF	\$20.00	\$2,240.00		
10	Pulverize and haul away asphalt (including saw-cutting)	50	CY	\$20.00	\$1,000.00		
11	Excavate and haul away native material	650	CY	\$20.00	\$13,000.00		
12	Import gravel bedding	200	TN	\$25.00	\$5,000.00		
13	Import granular barrow (including compaction)	600	TN	\$25.00	\$15,000.00		
14	Import untreated base course (including compaction)	130	TN	\$30.00	\$3,900.00		
15	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	100	TN	\$200.00	\$20,000.00		
16	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-16)					\$155,815.00	
17	Contingency	25%			\$38,953.75		
18	Design Engineering and Survey	10%			\$15,581.50		
19	Construction Management and Staking	10%			\$15,581.50		
	Total Construction Project (Items 1-19)					\$225,931.75	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				34 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2034 - Lewis & Clark Drive - Fremont Cir to Jim Bridger Dr / Frontage Rd Crossing							
1	Install new 8" PVC subdrain w/ seperation fabric	300	LF	\$55.00	\$16,500.00		
2	Install new 4" PVC subdrain lateral w/ seperation fabric	60	LF	\$45.00	\$2,700.00		
3	Provide & Install 48" subdrain manhole (incudes manhole lid and ring, grout and collars)	2	EA	\$4,500.00	\$9,000.00		
4	Tie-in to existing subdrain system (includes coring existing manhole & new collars)	2	EA	\$1,000.00	\$2,000.00		
5	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
6	Remove and replace curb and gutter (including saw-cut)	40	LF	\$65.00	\$2,600.00		
7	Remove and replace sidewalk (including saw-cut)	64	SF	\$20.00	\$1,280.00		
8	Pulverize and haul away asphalt (including saw-cutting)	35	CY	\$20.00	\$700.00		
9	Excavate and haul away native material	450	CY	\$20.00	\$9,000.00		
10	Import gravel bedding	100	TN	\$25.00	\$2,500.00		
11	Import granular barrow (including compaction)	400	TN	\$25.00	\$10,000.00		
12	Import untreated base course (including compaction)	90	TN	\$30.00	\$2,700.00		
13	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	60	TN	\$200.00	\$12,000.00		
14	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-14)					\$103,980.00	
15	Contingency	25%			\$25,995.00		
16	Design Engineering and Survey	10%			\$10,398.00		
17	Construction Management and Staking	10%			\$10,398.00		
	Total Construction Project (Items 1-17)					\$150,771.00	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
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		Owner:		Centerville City			
		Estimated by:				Project No.	
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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2036 - 700 S. - 300 E. to 400 E., 600 S. - 300 E. to 400 E., 300 E. - 600 S. to 725 S.							
1	Install new 8" PVC subdrain w/ seperation fabric	1,200	LF	\$55.00	\$66,000.00		
2	Install new 4" PVC subdrain lateral w/ seperation fabric	730	LF	\$45.00	\$32,850.00		
3	Provide & Install 48" subdrain manhole (incudes manhole lid and ring, grout and collars)	8	EA	\$4,500.00	\$36,000.00		
4	Tie-in to existing subdrain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00		
5	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
6	Remove and replace curb and gutter (including saw-cut)	230	LF	\$65.00	\$14,950.00		
7	Remove and replace sidewalk (including saw-cut)	368	SF	\$20.00	\$7,360.00		
8	Pulverize and haul away asphalt (including saw-cutting)	150	CY	\$20.00	\$3,000.00		
9	Excavate and haul away native material	2,000	CY	\$20.00	\$40,000.00		
10	Import gravel bedding	450	TN	\$25.00	\$11,250.00		
11	Import granular barrow (including compaction)	1,700	TN	\$25.00	\$42,500.00		
12	Import untreated base course (including compaction)	400	TN	\$30.00	\$12,000.00		
13	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	230	TN	\$200.00	\$46,000.00		
14	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-14)					\$345,910.00	
15	Contingency	25%			\$86,477.50		
16	Design Engineering and Survey	10%			\$34,591.00		
17	Construction Management and Staking	10%			\$34,591.00		
	Total Construction Project (Items 1-17)					\$501,569.50	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2037 - Tobe Drive - 350 West to 400 West							
1	Install new 8" PVC subdrain w/ seperation fabric	750	LF	\$55.00	\$41,250.00		
2	Install new 4" PVC subdrain lateral w/ seperation fabric	400	LF	\$45.00	\$18,000.00		
3	Provide & Install 48" subdrain manhole (incudes manhole lid and ring, grout and collars)	5	EA	\$4,500.00	\$22,500.00		
4	Tie-in to existing subdrain system (includes coring existing manhole & new collars)	2	EA	\$1,000.00	\$2,000.00		
5	Remove and haul away excisting subdrain pipe	750	LF	\$20.00	\$15,000.00		
6	Remove and haul away excisting subdrain structures	5	EA	\$1,000.00	\$5,000.00		
7	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
8	Remove and replace curb and gutter (including saw-cut)	160	LF	\$65.00	\$10,400.00		
9	Remove and replace sidewalk (including saw-cut)	256	SF	\$20.00	\$5,120.00		
10	Pulverize and haul away asphalt (including saw-cutting)	90	CY	\$20.00	\$1,800.00		
11	Excavate and haul away native material	1,200	CY	\$20.00	\$24,000.00		
12	Import gravel bedding	250	TN	\$25.00	\$6,250.00		
13	Import granular barrow (including compaction)	1,000	TN	\$25.00	\$25,000.00		
14	Import untreated base course (including compaction)	220	TN	\$30.00	\$6,600.00		
15	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	180	TN	\$200.00	\$36,000.00		
16	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-16)					\$251,920.00	
17	Contingency	25%			\$62,980.00		
18	Design Engineering and Survey	10%			\$25,192.00		
19	Construction Management and Staking	10%			\$25,192.00		
	Total Construction Project (Items 1-19)					\$365,284.00	

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		Owner:		Centerville City			
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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION		QUANTITY	UNITS	UNIT PRICE		AMOUNT
Project Year 2039 - Mountain View Drive & Creek View Drive							
1	Install new 8" PVC subdrain w/ seperation fabric		1,250	LF	\$55.00		\$68,750.00
2	Install new 4" PVC subdrain lateral w/ seperation fabric		690	LF	\$45.00		\$31,050.00
3	Provide & Install 48" subdrain manhole (incudes manhole lid and ring, grout and collars)		8	EA	\$4,500.00		\$36,000.00
4	Tie-in to existing subdrain system (includes coring existing manhole & new collars)		2	EA	\$1,000.00		\$2,000.00
5	Remove and haul away excisting subdrain pipe		500	LF	\$20.00		\$10,000.00
6	Remove and haul away excisting subdrain structures		4	EA	\$1,000.00		\$4,000.00
7	Pothole existing utility for new alignment		1	Lump Sum	\$3,000.00		\$3,000.00
8	Remove and replace curb and gutter (including saw-cut)		290	LF	\$65.00		\$18,850.00
9	Remove and replace sidewalk (including saw-cut)		464	SF	\$20.00		\$9,280.00
10	Pulverize and haul away asphalt (including saw-cutting)		150	CY	\$20.00		\$3,000.00
11	Excavate and haul away native material		1,900	CY	\$20.00		\$38,000.00
12	Import gravel bedding		400	TN	\$25.00		\$10,000.00
13	Import granular barrow (including compaction)		1,500	TN	\$25.00		\$37,500.00
14	Import untreated base course (including compaction)		330	TN	\$30.00		\$9,900.00
15	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)		280	TN	\$200.00		\$56,000.00
16	Mobilization, Traffic Control, and Restore landscaping		1	Lump Sum	\$30,000.00		\$30,000.00
	Subtotal (Items 1-16)						\$367,330.00
17	Contingency		25%			\$91,832.50	
18	Design Engineering and Survey		10%			\$36,733.00	
19	Construction Management and Staking		10%			\$36,733.00	
	Total Construction Project (Items 1-19)						\$532,628.50



ESI Engineering, Inc.

4141 West 2100 South, Suite 100
West Valley, Utah 84120
Phone (801) 263-1752

Consulting Engineers & Land Surveyors

Project: Drainage Master Plan
Storm Drain Projects
Owner: **Centerville City**

Estimated by:

Checked by:

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Project No.
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Conceptual Estimate

ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT
Project Year 2041 - Canyon Breeze Drive					
1	Install new 8" PVC subdrain w/ seperation fabric	1,300	LF	\$55.00	\$71,500.00
2	Install new 4" PVC subdrain lateral w/ seperation fabric	655	LF	\$45.00	\$29,475.00
3	Provide & Install 48" subdrain manhole (incudes manhole lid and ring, grout and collars)	8	EA	\$4,500.00	\$36,000.00
4	Tie-in to existing subdrain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00
5	Remove and haul away excisting subdrain pipe	1,100	LF	\$20.00	\$22,000.00
6	Remove and haul away excisting subdrain structures	4	EA	\$1,000.00	\$4,000.00
7	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00
8	Remove and replace curb and gutter (including saw-cut)	250	LF	\$65.00	\$16,250.00
9	Remove and replace sidewalk (including saw-cut)	400	SF	\$20.00	\$8,000.00
10	Pulverize and haul away asphalt (including saw-cutting)	150	CY	\$20.00	\$3,000.00
11	Excavate and haul away native material	1,900	CY	\$20.00	\$38,000.00
12	Import gravel bedding	400	TN	\$25.00	\$10,000.00
13	Import granular barrow (including compaction)	1,600	TN	\$25.00	\$40,000.00
14	Import untreated base course (including compaction)	350	TN	\$30.00	\$10,500.00
15	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	300	TN	\$200.00	\$60,000.00
16	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00
Subtotal (Items 1-16)					\$382,725.00
17	Contingency	25%			\$95,681.25
18	Design Engineering and Survey	10%			\$38,272.50
19	Construction Management and Staking	10%			\$38,272.50
Total Construction Project (Items 1-19)					\$554,951.25

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		Owner:		Centerville City			
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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2043 - 400 West - 1500 North to 1375 North							
1	Install new 8" PVC subdrain w/ seperation fabric	1,300	LF	\$55.00	\$71,500.00		
2	Install new 4" PVC subdrain lateral w/ seperation fabric	210	LF	\$45.00	\$9,450.00		
3	Provide & Install 48" subdrain manhole (incudes manhole lid and ring, grout and collars)	10	EA	\$4,500.00	\$45,000.00		
4	Tie-in to existing subdrain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00		
5	Remove and haul away excisting subdrain pipe	1,200	LF	\$20.00	\$24,000.00		
6	Remove and haul away excisting subdrain structures	10	EA	\$1,000.00	\$10,000.00		
7	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
8	Remove and replace curb and gutter (including saw-cut)	140	LF	\$65.00	\$9,100.00		
9	Remove and replace sidewalk (including saw-cut)	224	SF	\$20.00	\$4,480.00		
10	Pulverize and haul away asphalt (including saw-cutting)	200	CY	\$20.00	\$4,000.00		
11	Excavate and haul away native material	2,000	CY	\$20.00	\$40,000.00		
12	Import gravel bedding	400	TN	\$25.00	\$10,000.00		
13	Import granular barrow (including compaction)	1,600	TN	\$25.00	\$40,000.00		
14	Import untreated base course (including compaction)	350	TN	\$30.00	\$10,500.00		
15	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	400	TN	\$200.00	\$80,000.00		
16	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-16)					\$392,030.00	
17	Contingency	25%			\$98,007.50		
18	Design Engineering and Survey	10%			\$39,203.00		
19	Construction Management and Staking	10%			\$39,203.00		
	Total Construction Project (Items 1-19)					\$568,443.50	

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		Owner:		Centerville City			
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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION		QUANTITY	UNITS	UNIT PRICE		AMOUNT
Project Year 2044 - 100 West Cul-de-sac on 1450 North							
1	Install new 8" PVC subdrain w/ seperation fabric		400	LF	\$55.00		\$22,000.00
2	Install new 4" PVC subdrain lateral w/ seperation fabric		200	LF	\$45.00		\$9,000.00
3	Provide & Install 48" subdrain manhole (incudes manhole lid and ring, grout and collars)		2	EA	\$4,500.00		\$9,000.00
4	Tie-in to existing subdrain system (includes coring existing manhole & new collars)		2	EA	\$1,000.00		\$2,000.00
5	Pothole existing utility for new alignment		1	Lump Sum	\$3,000.00		\$3,000.00
6	Remove and replace curb and gutter (including saw-cut)		70	LF	\$65.00		\$4,550.00
7	Remove and replace sidewalk (including saw-cut)		112	SF	\$20.00		\$2,240.00
8	Pulverize and haul away asphalt (including saw-cutting)		50	CY	\$20.00		\$1,000.00
9	Excavate and haul away native material		625	CY	\$20.00		\$12,500.00
10	Import gravel bedding		150	TN	\$25.00		\$3,750.00
11	Import granular barrow (including compaction)		550	TN	\$25.00		\$13,750.00
12	Import untreated base course (including compaction)		120	TN	\$30.00		\$3,600.00
13	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)		100	TN	\$200.00		\$20,000.00
14	Mobilization, Traffic Control, and Restore landscaping		1	Lump Sum	\$30,000.00		\$30,000.00
	Subtotal (Items 1-14)						\$136,390.00
15	Contingency		25%				\$34,097.50
16	Design Engineering and Survey		10%				\$13,639.00
17	Construction Management and Staking		10%				\$13,639.00
	Total Construction Project (Items 1-17)						\$197,765.50

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		Owner:		Centerville City			
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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION			QUANTITY	UNITS	UNIT PRICE	AMOUNT
Project Year 2045 - 850 South / 780 South - 150 West (Slip-Line)							
1	Line 3 sections of 8" CMP			450	LF	\$180.00	\$81,000.00
2	Mobilization, demobilization, bonds, permits, and Fees			1	Lump Sum	\$5,000.00	\$5,000.00
3	Traffic control/barricading			1	Lump Sum	\$50,000.00	\$50,000.00
	Subtotal (Items 1-3)						\$136,000.00
4	Contingency			25%			\$34,000.00
5	Design Engineering and Survey			10%			\$13,600.00
6	Construction Management and Staking			10%			\$13,600.00
	Total Construction Project (Items 1-6)						\$197,200.00

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION		QUANTITY	UNITS	UNIT PRICE		AMOUNT
Project Year 2046 - Lund Lane - 700 West to 200 West							
1	Install new 8" PVC subdrain w/ seperation fabric		1,000	LF	\$55.00		\$55,000.00
2	Install new 4" PVC subdrain lateral w/ seperation fabric		100	LF	\$45.00		\$4,500.00
3	Provide & Install 48" subdrain manhole (incudes manhole lid and ring, grout and collars)		4	EA	\$4,500.00		\$18,000.00
4	Tie-in to existing subdrain system (includes coring existing manhole & new collars)		1	EA	\$1,000.00		\$1,000.00
5	Pothole existing utility for new alignment		1	Lump Sum	\$3,000.00		\$3,000.00
6	Remove and replace curb and gutter (including saw-cut)		100	LF	\$65.00		\$6,500.00
7	Remove and replace sidewalk (including saw-cut)		160	SF	\$20.00		\$3,200.00
8	Pulverize and haul away asphalt (including saw-cutting)		100	CY	\$20.00		\$2,000.00
9	Excavate and haul away native material		1,200	CY	\$20.00		\$24,000.00
10	Import gravel bedding		300	TN	\$25.00		\$7,500.00
11	Import granular barrow (including compaction)		1,000	TN	\$25.00		\$25,000.00
12	Import untreated base course (including compaction)		230	TN	\$30.00		\$6,900.00
13	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)		200	TN	\$200.00		\$40,000.00
14	Mobilization, Traffic Control, and Restore landscaping		1	Lump Sum	\$30,000.00		\$30,000.00
	Subtotal (Items 1-14)						\$226,600.00
15	Contingency		25%				\$56,650.00
16	Design Engineering and Survey		10%				\$22,660.00
17	Construction Management and Staking		10%				\$22,660.00
	Total Construction Project (Items 1-17)						\$328,570.00

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
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		Owner:		Centerville City			
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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2047 - Freedom Hills Park SE Corner - Sub-drain & Duncan Spring							
1	Install new 8" PVC subdrain w/ seperation fabric	250	LF	\$55.00	\$13,750.00		
2	Provide & Install 48" subdrain manhole (incudes manhole lid and ring, grout and collars)	3	EA	\$4,500.00	\$13,500.00		
3	Outlet structure	1	EA	\$5,000.00	\$5,000.00		
4	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
5	Pulverize and haul away asphalt (including saw-cutting)	2	CY	\$20.00	\$40.00		
6	Excavate and haul away native material	300	CY	\$20.00	\$6,000.00		
7	Import gravel bedding	70	TN	\$25.00	\$1,750.00		
8	Import granular barrow (including compaction)	520	TN	\$25.00	\$13,000.00		
9	Import untreated base course (including compaction)	5	TN	\$30.00	\$150.00		
10	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	2	TN	\$200.00	\$400.00		
11	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-11)					\$86,590.00	
12	Contingency	25%			\$21,647.50		
13	Design Engineering and Survey	10%			\$8,659.00		
14	Construction Management and Staking	10%			\$8,659.00		
	Total Construction Project (Items 1-14)					\$125,555.50	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				48 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION		QUANTITY	UNITS	UNIT PRICE	AMOUNT	
Project Year 2048 - 2100 North - 400 West to Churchill Drive (in back yards of 2115 North & 2101 North)							
1	Line 3 sections of 8" CMP		650	LF	\$180.00	\$117,000.00	
2	Mobilization, demobilization, bonds, permits, and Fees		1	Lump Sum	\$5,000.00	\$5,000.00	
3	Traffic control/barricading		1	Lump Sum	\$50,000.00	\$50,000.00	
	Subtotal (Items 1-3)					\$172,000.00	
4	Contingency		25%			\$43,000.00	
5	Design Engineering and Survey		10%			\$17,200.00	
6	Construction Management and Staking		10%			\$17,200.00	
	Total Construction Project (Items 1-6)					\$249,400.00	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				49 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2049 - 150 West - 845 South to 780 South							
1	Install new 8" PVC subdrain w/ seperation fabric	230	LF	\$55.00	\$12,650.00		
2	Install new 4" PVC subdrain lateral w/ seperation fabric	40	LF	\$45.00	\$1,800.00		
3	Provide & Install 48" subdrain manhole (incudes manhole lid and ring, grout and collars)	2	EA	\$4,500.00	\$9,000.00		
4	Tie-in to existing subdrain system (includes coring existing manhole & new collars)	3	EA	\$1,000.00	\$3,000.00		
5	Remove and haul away excisting subdrain structures	2	EA	\$1,000.00	\$2,000.00		
6	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
7	Remove and replace curb and gutter (including saw-cut)	40	LF	\$65.00	\$2,600.00		
8	Remove and replace sidewalk (including saw-cut)	64	SF	\$20.00	\$1,280.00		
9	Pulverize and haul away asphalt (including saw-cutting)	25	CY	\$20.00	\$500.00		
10	Excavate and haul away native material	325	CY	\$20.00	\$6,500.00		
11	Import gravel bedding	80	TN	\$25.00	\$2,000.00		
12	Import granular barrow (including compaction)	300	TN	\$25.00	\$7,500.00		
13	Import untreated base course (including compaction)	350	TN	\$30.00	\$10,500.00		
14	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	50	TN	\$200.00	\$10,000.00		
15	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-15)				\$102,330.00		
16	Contingency	25%			\$25,582.50		
17	Design Engineering and Survey	10%			\$10,233.00		
18	Construction Management and Staking	10%			\$10,233.00		
	Total Construction Project (Items 1-18)					\$148,378.50	



ESI Engineering, Inc.

4141 West 2100 South, Suite 100
West Valley, Utah 84120
Phone (801) 263-1752

Consulting Engineers & Land Surveyors

Project: Drainage Master Plan
Storm Drain Projects

Owner: **Centerville City**

Estimated by:

Checked by:

Sheet No.

1 of 1

Project No.

50 - ###

Conceptual Estimate

ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT
Project Year 2050 - 2075 North / 725 West					
1	Install new 8" PVC subdrain w/ seperation fabric	1,000	LF	\$55.00	\$55,000.00
2	Install new 4" PVC subdrain lateral w/ seperation fabric	275	LF	\$45.00	\$12,375.00
3	Provide & Install 48" subdrain manhole (incudes manhole lid and ring, grout and collars)	6	EA	\$4,500.00	\$27,000.00
4	Tie-in to existing subdrain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00
5	Remove and haul away excisting subdrain pipe	1,000	LF	\$20.00	\$20,000.00
6	Remove and haul away excisting subdrain structures	7	EA	\$1,000.00	\$7,000.00
7	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00
8	Remove and replace curb and gutter (including saw-cut)	170	LF	\$65.00	\$11,050.00
9	Remove and replace sidewalk (including saw-cut)	272	SF	\$20.00	\$5,440.00
10	Pulverize and haul away asphalt (including saw-cutting)	110	CY	\$20.00	\$2,200.00
11	Excavate and haul away native material	1,500	CY	\$20.00	\$30,000.00
12	Import gravel bedding	320	TN	\$25.00	\$8,000.00
13	Import granular barrow (including compaction)	1,300	TN	\$25.00	\$32,500.00
14	Import untreated base course (including compaction)	280	TN	\$30.00	\$8,400.00
15	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	230	TN	\$200.00	\$46,000.00
16	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00
Subtotal (Items 1-16)					\$298,965.00
17	Contingency	25%			\$74,741.25
18	Design Engineering and Survey	10%			\$29,896.50
19	Construction Management and Staking	10%			\$29,896.50
Total Construction Project (Items 1-19)					\$433,499.25



CENTERVILLE

18 UTAH 47

DRAINAGE UTILITY FEE AUDIT

04 MARCH 2025

Agenda

- I. Introduction of Drainage Utility Fee
- II. Drainage Utility Fee Code
- III. Audit Results
- IV. Statute of Limitations
- V. Additional Issues
- VI. Implemented Changes

Introduction

History of Drainage Utility Fee

2021 Audit

Comprehensive Audit of Commercial/Multi-family Housing

Fee Schedule 8.010

Fee Schedule



8.010 Definitions

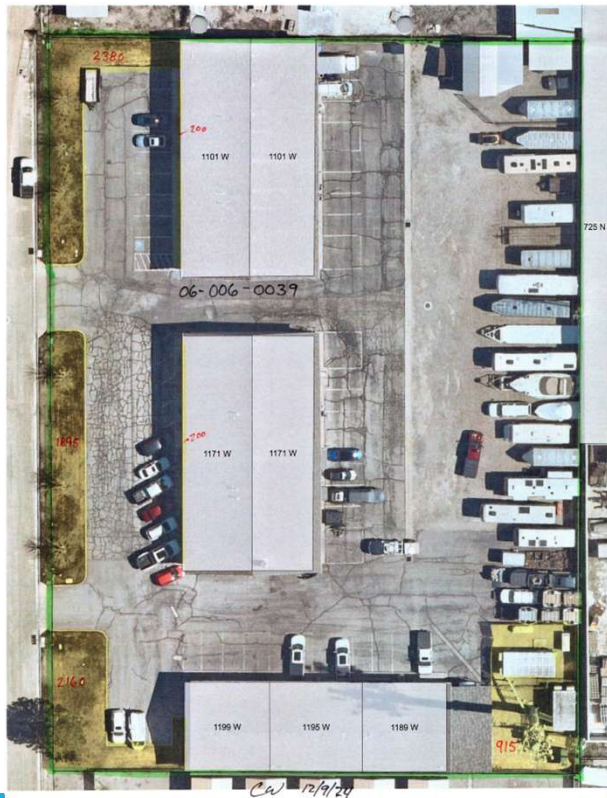
For purposes of the Drainage Utility Fees set forth in this Fee Schedule, the following words shall be defined as follows:

- (a) Developed Parcel. "Developed parcel" means any parcel that has been altered from its natural condition by the construction of improvements or other impervious surface areas or by grading or filling of the ground surface areas which grading or filling affects the hydraulic properties of the parcel.
- (b) Equivalent Dwelling Unit ("EDU"). "Equivalent Dwelling Unit" or "EDU" is based upon the number of plumbing fixture units per building, structure and/or dwelling on a developed parcel. One EDU is defined as 20 fixture units as determined using the most recent edition of the Uniform Plumbing Code, as adopted by the City.
- (c) Equivalent Service Unit ("ESU"). "Equivalent Service Unit" or "ESU" means the average amount of impervious surface, expressed in square feet, on developed single-family residential parcels in Centerville City.
- (d) Impervious Surface. "Impervious Surface" means any hard surface area which either prevents or retards the absorption or entry of water into the soil mantle as it entered under natural conditions pre-existing to development, or any hard surface area which causes water to run off the surface in greater quantities or at an increased rate of flow from that present under natural conditions pre-existent to development. Common impervious surfaces include, but are not limited to: rooftops; concrete or asphalt paving; walkways; patios; decks; driveways; parking lots; storage areas; trafficked or compacted gravel; or other surfaces which similarly impede the natural infiltration into the ground or runoff of storm and surface water.
- (e) Parcel. The smallest separately segregated unit or plot of land having an identified owner, boundaries, and surface area which is documented for tax purposes and given a tax account (lot) number by the Davis County Assessor.
- (f) Single-Family Residential. A residential building having only one living unit, or a residential building having more than one living unit, if living units are separately owned and titled.
- (g) Subdrain District. "Subdrain District" means parcels and/or property located within a defined area or areas of the City specifically benefitted and/or serviced by a subdrain system as more particularly set forth in CFS 8.070 (Subdrain District Map). For purposes of determining the boundaries of the Subdrain District(s) within the City, the following factors shall be considered: actual service connections from the property to a main subdrain system collection line; the ability and/or necessity of the property to connect to a main subdrain system collection line, the proximity of the property to existing subdrain systems; areas or property with an identified subsurface water problem; and property located within developed subdivision containing a subdrain system.

HISTORY

Adopted by Res. [2017-18](#) on 8/15/2017

Fee Calculation Example



Method: (a) ☐ Field measurement (d) ☐ As Built from site plan
 (b) ☐ Davis County Records (e) ☐ Site plans on file at city
 (c) ☒ Scale from aerials (f) ☒ Site visit

References: _____

Total Area of Lot: (a) 2 AC From: COUNTY
87120 SF

Calculation:

Area of Landscape:

2380	W	X	L	=	SF
200					
1895		X		=	
200					
2160					
915					
<u>7750</u>					

Total Area L.S. = 7750 (b)

Area of Hard Surface:

	W	X	L	=	SF
		X		=	

Total Area H.S. = 79370 (c)

ESU Calculation

Total Impervious Surface on site

= 79370 SF (d) *RECALCULATION AT REQUEST OF PROPERTY OWNER*

ESU for Centerville

= 3,600 (e)

Total number of ESU on parcel

d/e = 22.05 (f)

Monthly rate per ESU

= \$8.48 (g)

Monthly fee without Credit

f*g = \$186.98 (h) *FEE WITH 50% CREDIT \$93.49*

Yearly fee without Credit

h*12 = \$ (i)

Categories

Correct Fees

Updated
Measurements

Misc. Billing
Issues

New
Impervious
Surface

Undeveloped
Parcels

Correct Fees

48 Accounts

Majority corrected in
2021 or have recently
changed ownership

Updated Measurements

Minor measurement changes due to better measurement technology & aerial imagery, but no apparent changes to property



89 Accounts

68 accounts increased
(+ \$666/month)

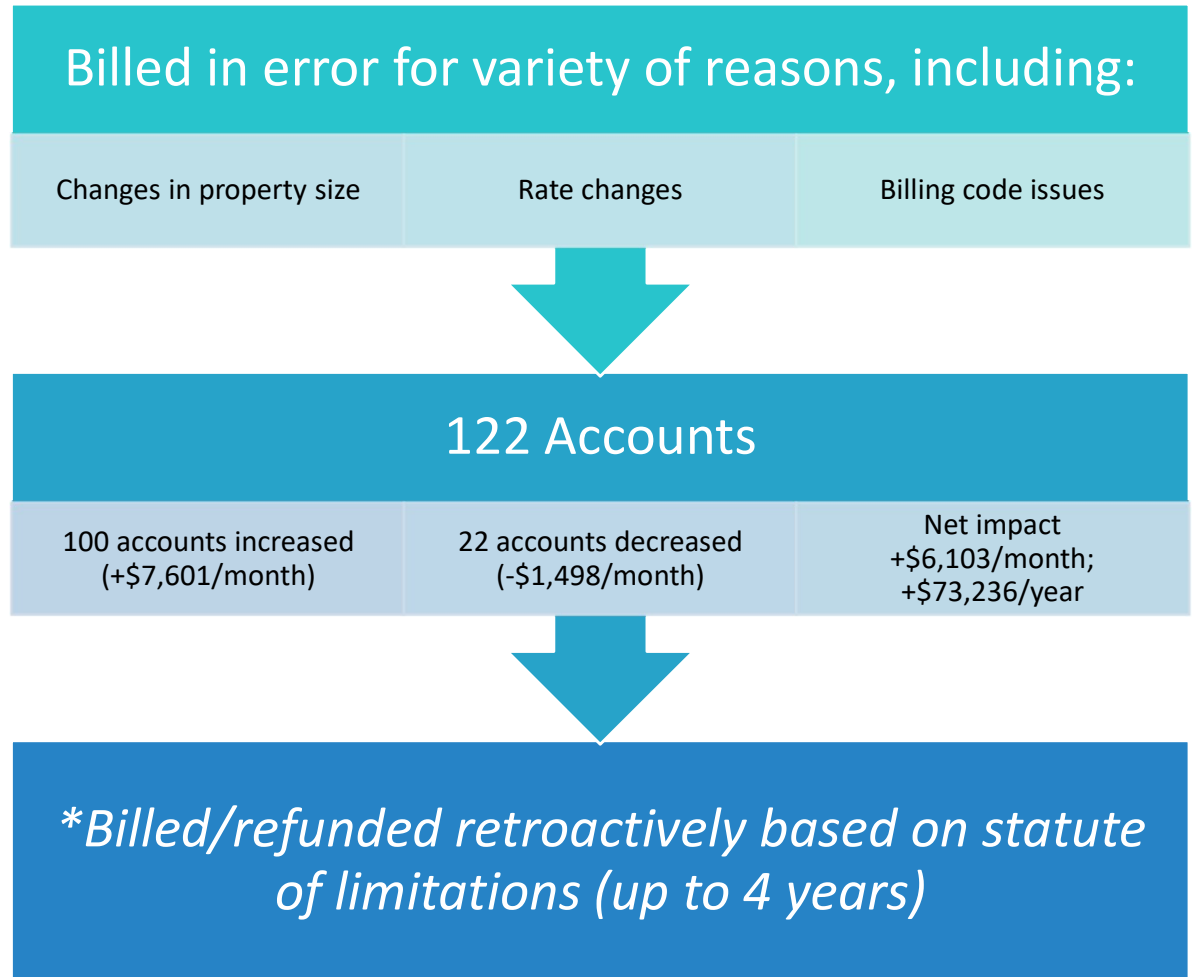
21 accounts decreased
(- \$531/month)

Net impact
+ \$135/month;
+ \$1,620/year



**Did not bill retroactively*

Misc. Billing Issues



Misc. Billing Issues (cont.)

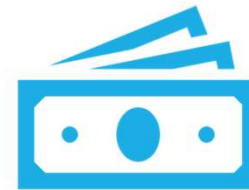


**Total amount billed retroactively =
\$360,025**

Actual received YTD (15% discount) – \$204,623

Actual received/set to receive on payment plan
(10% discount) – \$3,806

Amount outstanding (22 accounts/7 owners) -
\$117,567



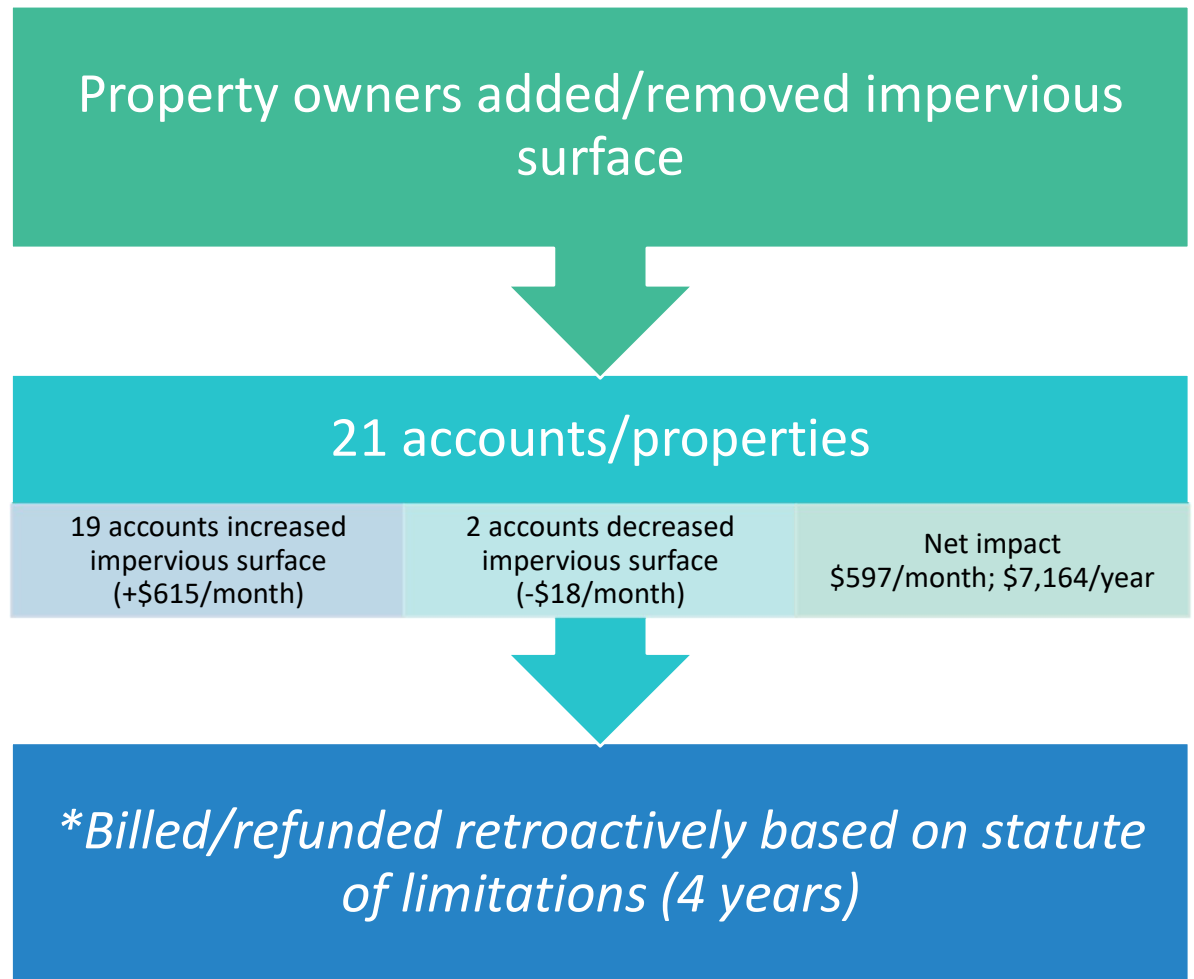
Total amount refunded = \$71,528



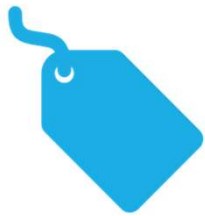
Customer Billed Residential Rate

- Correct Amount - \$19,683
- Actual Paid - \$1,812
- Retroactively Billed - \$4,420
- Net Loss to City - \$13,451

Change in Impervious Surface



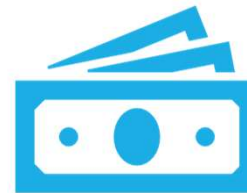
Change in Impervious Surface (cont.)



**Total amount billed retroactively =
\$39,119**

Actual received YTD (15% discount) – \$31,816

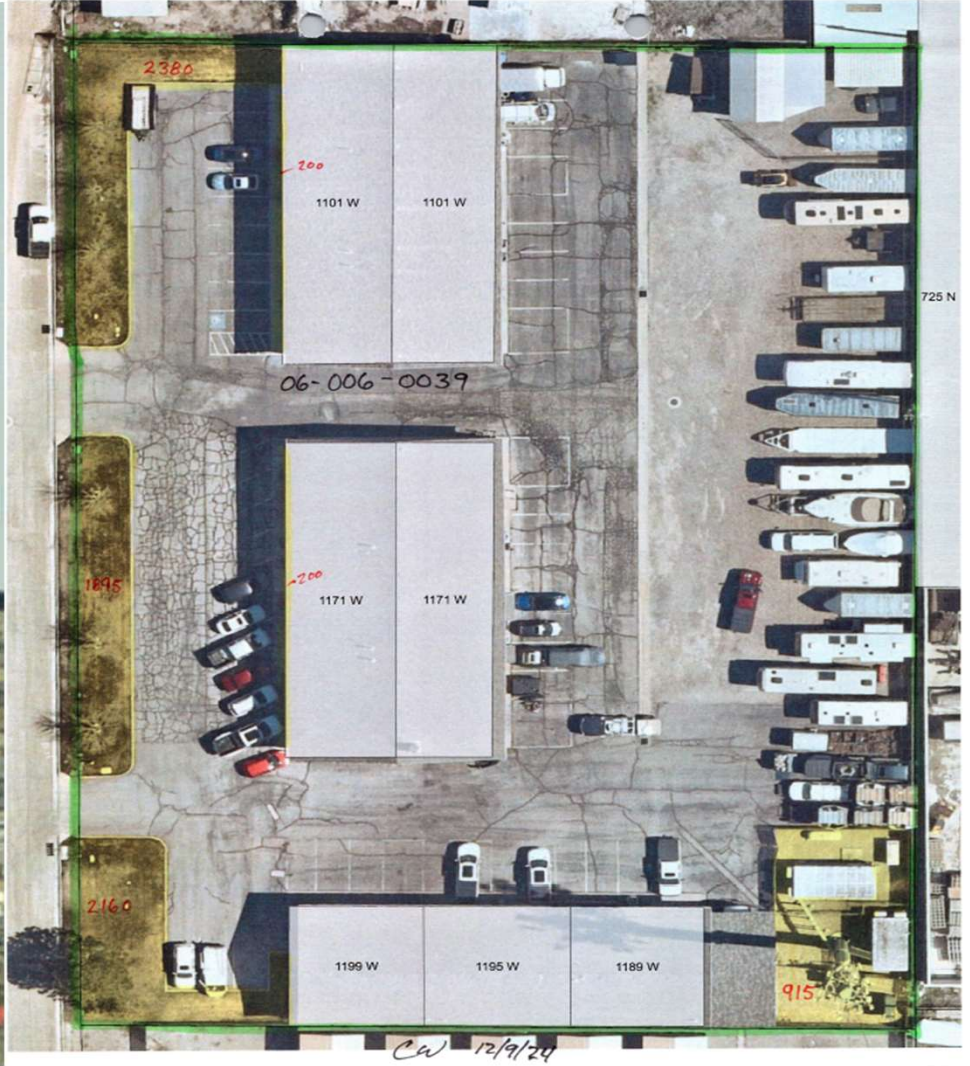
Amount outstanding (1 account) - \$1,689

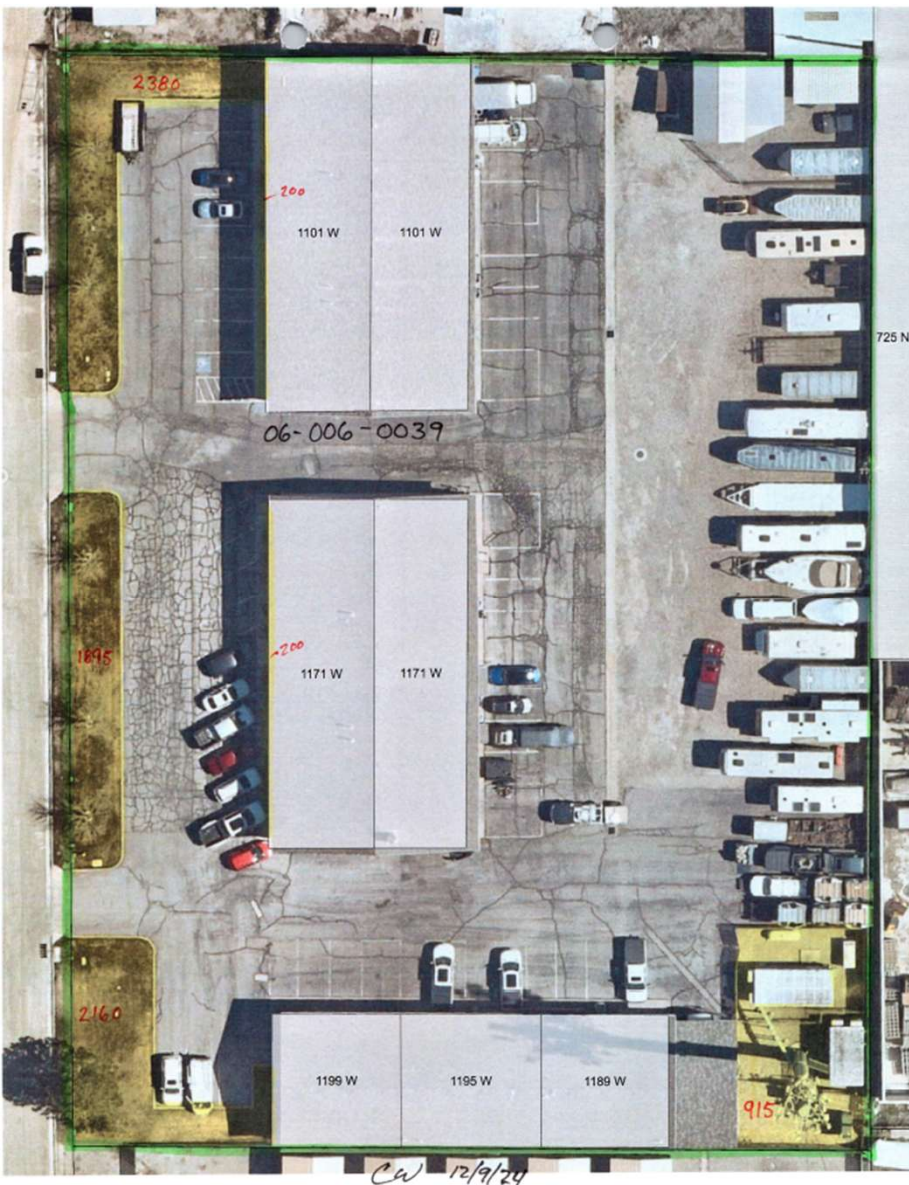


Total amount refunded = \$855









Customer Added Impervious Surface

- Correct Billing - \$15,421
- Actual Paid - \$4,012
- Retroactively Billed - \$1,689
- Net Loss to City - \$9,720

Undeveloped Parcels

Property owners have added
impervious surface; no utility accounts

```
graph TD; A[Property owners have added impervious surface; no utility accounts] --> B[21 properties]; B --> C[*Will address in near future];
```

21 properties

**Will address in near future*



Statute of Limitations for Billing City Services

4 yrs

- If billing issue is based on an open account for work, labor, or services, SOL is 4 years
- An “open account” is express or implied agreement concerning a connected series of debit and credit charges where the account is considered a continuation of a related series
- Drainage utility fees are billed in arrears, so could possibly be considered an open account

4 yrs

- If billing issue is based on a contract or obligation that is not set forth in writing, SOL is 4 years
- Drainage fees are assessed by Code and Fee Schedule
- Residents do not sign a contract for drainage fees
- Drainage utility fees are most likely considered a contract or obligation not based in writing

6 yrs

- If billing issue is based on written contract or obligation, SOL is 6 years
- Residents do not sign a contract for drainage fees, so not an obligation based on written contract

Additional Issues



- Credits

- Multifamily Projects

- Undeveloped Parcels

- Definitions

Procedural Changes

☐ **New ownership of commercial property**

- ☐ When a new commercial utility customer signs up, Finance Department will verify with Drainage Utility Department that the drainage fee is correct. This will be done by imagery comparison, or the property will be remeasured if discrepancies appear.

☐ **New commercial building**

- ☐ We start billing with opening of utility account rather than waiting for occupancy. (Use site plan to calculate impervious surface.)

☐ **Account modifications**

- ☐ ESUs are entered into billing software with a multiplying factor of “x” dollars to prevent fee adjustments from being missed or miscalculated.

Process Changes

☐ **Perform drainage review periodically**

☐ Includes:

- ☐ Reviewing aerial footage for changes in impervious surface
- ☐ Recalculating impervious surface, if necessary
- ☐ Frequency of review to be determined

☐ **Verification**

- ☐ After the Drainage Supervisor calculates impervious surface, it will be reviewed and approved by a second person.

Centerville City Administration,

Thank you for temporarily moving back the starting date for implementation of the proposed 50% Storm Drain Utility Fee increase. The intention to send out a letter to all businesses and commercial property owners impacted by the City's recent Storm Drain Utility Fee decisions, and invite affected property owners to an 'open house' and 'workshop' and, hopefully, a 'public hearing', to further enlighten the community and solicit input and feedback from those entities, as well as the public in general, is now commendable.

Two main issues remain questionable:

1. While adjusted, corrected and updated Storm Drain fee charges for almost all businesses and commercial property owners recently occurring in the City seem appropriate.... Being followed by the City then proceeding to **'Back charge'** those fees **for 4 full years**, (in a few cases, 'refund' a few of those entities who were overcharged) can be greatly disputed. This 'back charge' transpired, despite the fact, that, it was the City's own error through inaccurately billing the proper owners over the course of dozens of years. These erroneous billing calculations were not the sole responsibility of the current City Administration. Some of the billing errors had transpired and had then been perpetuated by various City Administrations for over 20 years. The miscalculations included overcharging or undercharging those property owners. Notably, even given the above problems, the Storm Drain fund has NOT operated in arrears, nor in the 'red', for any of those past four years.

Any BACK CHARGE at all, or minimally, at least the length of time (months or years), to try to GO BACK on the Businesses, needs to be reconsidered

2. **The City's new pending resolution of a full 50% increase of Storm Drain Utility Fees** for all residents, businesses, and commercial property owners **needs to be reconsidered** following City enlightenment to the affected parties and then allowance and consideration of those entities' feedback, input, suggestions and/or recommendations.

In a City Council Meeting of January 7, 2025, The City Administration was provided with some data extrapolated by a few businesses from the City's own 'self audit' data of businesses' and commercial property owner's Storm drain fee recalculations and some of the City's own financial reports. Key points made are summarized and presented below.

Councilman Summerhays, in that meeting, asked Staff to please report back to City leaders as to the accuracy of the figures and calculations presented. Many of us welcome

and encourage such scrutiny and, if necessary, make corrections, modify more accurately, clarify better, confirm, or additionally add data and facts pertinent to the discussions likely to transpire at an Open House, and certainly at the anticipated 'work session'. We didn't have access to all the data the City must have pertinent to the discussions forthcoming.

KEY POINTS derived from the City's own 'self audit' etc.:

1. The **overall revenue** the City has received for the Storm Drainage Fund has been around **\$1,340,000** for, at least, the last couple of years.
2. The **recalculation** of Businesses and Commercial Property owners monthly Storm Drainage fees alone **increases the City's entire budget** for storm drainage by around **\$150,769 per year** or approximately **11% per year** going forward (This calculates in both the few 43 properties decreasing in fees along with the 276 properties increasing in fees)
3. **All of Centerville's 372 businesses** monthly Storm Drain fees **were audited**
4. **319 of the businesses, or 86%, had errors** in what they should have been paying.
 - a. **43 businesses, or 12%,** had their **fees decreased**.
 - b. **53 businesses, or 14%,** had **no change in their fees**.
 - c. **276 businesses, or 74%,** had **fees increase**.
 - i. **1** property increased \$12,465 /yr (X 4 yrs back) = \$49,872
 - 1** property increased \$7,989 /yr (X 4 yrs back) = \$31,958
 - 1** property increased \$5,824 /yr (X 4 yrs back) = \$23,299
 - 1** property increased \$5,292 /yr (X 4 yrs back) = \$21,168
 - 3** properties increased over \$3,600 /yr (X 4 yrs back) = \$14,400
 - 7** properties increased over \$2,400 /yr (X 4 yrs back) = \$9,600
 - 19** properties increased over \$1,200 /yr (X 4 yrs back) = \$4,800
 - 27** properties increased over \$600 /yr (X 4 yrs back) = \$2,400
 - 23** properties increased over \$480 /yr (X 4 yrs back) = \$1,920
 - 193** properties increased somewhere under \$40 /month or somewhere under \$480 / yr (X 4 yrs back) = under \$1,920
 - d. Note; Council member Mecham commented in an individual meeting recently that she, at least, had been unaware, until after the Jan 7th City Council meeting presentation, that that many businesses had been so heavily impacted by the fee recalculations and the 4 year pay back amounts.

5. The recalculation of the businesses monthly fees alone generates an increase of \$12,667 /mo or \$150,769 annually
 - a. If the City pays 4 years of Back fees to businesses who overpaid, the City would owe them back (\$98,272 for Storm Drain Utility plus \$4,656 for subsurface drain) or a total of \$102,929 one time payback
 - b. If the City collects 4 years of Back fees from businesses who underpaid, the City collects $(4 \times \$150,769) = \$603,076$
 - c. With \$603,076 coming in to the City, while the City pays out \$102,929, it equals a net gain by the City of \$500,147. That amounts to over a half a million dollar windfall to the City for Back fees paid for the past that were obviously NOT even necessary nor expended as the City Storm drain fund operated in the black over those four years anyway.
6. The businesses in Centerville generate and collect sales taxes and contribute through their own property taxes, over 61% of the General revenues Centerville City receives. Contributors and producers to one's revenues likely should be fostered, respected, informed, considered and counseled with, particularly in matters that may affect one another's financial bottom lines.

The City's 50% increase in all Utility fees will be ON TOP OF, and in addition to, the increase from the recalculation of business fees. Therefore with what the City is currently proposing, or will of its residents and businesses, is an 11% increase plus a 50% increase on top of that which, with compounding, is about a 63% increase over its current yearly revenue ($\$1,340,000 \times 1.63\%$) = \$2,184,200, plus the City is hoping for the \$500,147 windfall.

That is $\$2,184,200 + \$500,147 = \$2,684,347$ for the next year '2025' (it is understood now that part of the anticipated increase for this year has been lost since the 50% increase has not been implemented yet)

However, assuming \$2,684,347 for, let's say 2025, and then \$2,184,200 every year going forward beyond that, is a BIG ask from what the Utility fund has been operating on currently = \$1,340,000.

Important: Can the City please do an evaluation of the totality of the property (maybe broken down by each property the CITY itself owns, or operates within Centerville) of the

“impermeable ground” or space involved that any other business would be required to pay storm drain and subsurface drain fees for? As per done by Cameron for the business property ‘audit’, The City’s own buildings, storage areas, parking lots, etc. etc. and many other impermeable surfaces everywhere, constitute a very large footprint of the impermeable surface in Centerville City as a whole. The City is impacting and wearing out the storm drain system with its own proportionate area contributing to needs of the entire storm drain system. Currently all the residents and businesses are “subsidizing” the City’s own impact. If the City were required to meet the same formulas and calculations that businesses do, how much would the City’s fees be each month/year? The City obviously pays its own share of power or electricity, gas bills, sewer usage fees, etc. Shouldn’t the City pay its proportionate share of Storm Drain and subdrain fees? Without dragging some money from the City’s General fund over into the Storm drain fee Utility, the residents and businesses are, in fact, subsidizing the City. The City needs some ‘skin in the game’, it helps us all recognize and appreciate that raising “fees” is like a raising taxes and needs to be kept under constraints just like prudent business and residents like to keep their fees and taxes under constraint.

If the Storm drain system is in such dire need, perhaps the City needs to put it to a vote of the citizens for a bond to see if it gets enough support from citizens to meet needs, rather than simply hope to ‘push it off’ in inordinately large degree to the businesses.

CITY COUNCIL

Staff Report

3/18/2025

Item No. 2.

Title: Drainage Rate Increase Discussion

Initiated By:

Staff Representative: Nate Plaizier, Finance Director, Kevin Campbell, City Engineer

SUBJECT:

Continued discussion of the drainage rate increase

RECOMMENDATION:

BACKGROUND:

On June 18, 2024, the City Council adopted Resolution No. 2024-17, increasing the Drainage Utility Fees assessed by the City with an effective date of September 26, 2024.

On October 1, 2024, the City Council adopted Resolution No. 2024-22, delaying the effective date of the updated Drainage Utility Fees from September 26, 2024 to December 26, 2024.

On January 21, 2025, the City Council adopted Resolution No. 2025-01, delaying the effective date of the updated Drainage Utility Fee from December 26, 2024 to March 26, 2025.

Since that time, the possibility of an additional delay has been raised. This item is presented to facilitate further discussion and to confirm whether the City Council intends to proceed with the March 26, 2025 effective date or consider alternative timelines. Staff continues to emphasize the importance and necessity of implementing the approved fee increase and does not recommend any further delay.

ATTACHMENTS:

1. Res. No. 2024-17 Fee Schedule Amendments (Drainage Utility Fees)
2. Res. No. 2024-22 Delayed Effective Date for Drainage Utility Fee
3. Res. No. 2025-01 Delayed Effective Date for Drainage Utility Fees
4. Centerville City - SD Capital Facilities Plan_2023

RESOLUTION NO. 2024-17

A RESOLUTION AMENDING SECTION 8.03 OF THE CENTERVILLE FEE SCHEDULE REGARDING DRAINAGE UTILITY FEES

WHEREAS, the City Council has previously adopted drainage utility fees for the operation and maintenance of the City storm and subsurface drainage utility and facilities; and

WHEREAS, the City is authorized by law to charge reasonable fees for the operation and maintenance of the City storm and subsurface drainage utility and facilities with Utah Code Ann. § 10-3-717; and

WHEREAS, the City Council has determined that the amendments to the City Fee Schedule regarding drainage utility fees are fair and reasonable and bear a substantial relationship to the costs involved in providing such service and maintaining the City storm and subsurface drainage utility and facilities; and

WHEREAS, the City Council desires to amend the City Fee Schedule regarding drainage utility fees as more particularly set forth herein.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF CENTERVILLE CITY, STATE OF UTAH, AS FOLLOWS:

Section 1. Amendment. Section 8.030 of the Centerville Fee Schedule regarding drainage utility fees is hereby amended as more particularly set forth in **Exhibit A**, attached and incorporated herein by reference.

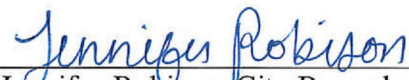
Section 2. Severability Clause. If any section, part, or provision of this Resolution is held invalid or unenforceable, such invalidity or unenforceability shall not affect any other portion of this Resolution, and all sections, parts and provisions of this Resolution shall be severable.

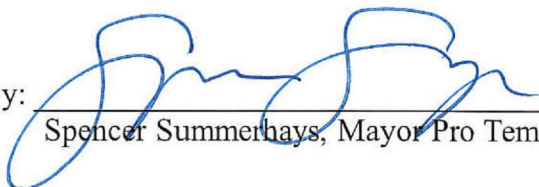
Section 3. Effective Date. This Resolution shall become effective immediately upon its passage and the fees set forth herein shall become effective on September 26, 2024.

PASSED AND ADOPTED BY THE CITY COUNCIL OF CENTERVILLE CITY, STATE OF UTAH, ON THIS 18th DAY OF JUNE, 2024.

ATTEST:

CENTERVILLE CITY


Jennifer Robison, City Recorder

By: 
Spencer Summerhays, Mayor Pro Tem

CERTIFICATE OF PASSAGE AND EFFECTIVE DATE

According to the provisions of the U.C.A. § 10-3-719, as amended, resolutions may become effective without publication or posting and may take effect on passage or at a later date as the governing body may determine; provided, resolutions may not become effective more than three months from the date of passage. I, the municipal recorder of Centerville City, hereby certify that foregoing resolution was duly passed by the City Council and became effective upon passage or a later date as the governing body directed as more particularly set forth below.

Jennifer Robison
JENNIFER ROBISON, City Recorder

DATE: 6-19-2024

EFFECTIVE DATE: 18th day of June, 2024.



EXHIBIT A

Drainage Utility Fees

8.030 Fees for Drainage Utility

(a) Storm Drainage Utility Fees

(1) Single-Family Residential Parcels - ~~\$13 \$8.48~~ per month (1 ESU)

(2) Other Developed Parcels

(A) All other developed parcels, including, but not limited to multiple-family residential parcels, commercial parcels and industrial parcels shall be charged a storm drainage utility fee based on the number of ESU's on the parcel.

(B) The number of ESU's shall be established by measuring the amount of impervious surface on the parcel (in square feet); and dividing that number by 3,600 square feet.

(C) The actual monthly fee (service charge) shall be computed by multiplying the total ESU's for the parcel by the monthly rate of ~~\$13 \$8.48~~ per ESU.

(D) For example, a parcel with 25,000 square feet of impervious surface area shall pay a fee of ~~\$90.27 \$58.89~~ per month ($25,000 \div 3,600 = 6.944$; then, $6.944 \times \text{~~\$13 \$8.48~~} = \text{~~\$90.27. \$58.89.~~}$

(b) Subsurface Drainage Utility Fees

(1) Developed Parcels Outside a Subdrain District - \$4.24 per month (per EDU)

(2) Developed Parcels Within a Subdrain District - \$12.72 per month (per EDU)

HISTORY

Adopted by Res. 2017-18 on 8/15/2017

RESOLUTION NO. 2024-22

A RESOLUTION AMENDING THE EFFECTIVE DATE FOR UPDATED DRAINAGE UTILITY FEES AS ADOPTED IN RESOLUTION NO. 2024-17

WHEREAS, the City Council recently adopted Resolution No. 2024-17 amending Section 8.030 of the City Fee Schedule regarding updated drainage utility fees effective September 26, 2024; and

WHEREAS, the City Council desires to delay the effective date of the updated drainage utility fees as adopted in Resolution No. 2024-17 from September 26, 2024 to December 26, 2024; and

WHEREAS, the City is authorized by law to charge reasonable fees for the operation and maintenance of the City storm and subsurface drainage utility and facilities with Utah Code Ann. § 10-3-717; and

WHEREAS, the City Council has determined that delaying the effective date of the updated drainage utility fees as adopted in Resolution No. 2024-17 is in the best interest of the City and the businesses and residents to allow additional time to budget and plan for the updated drainage utility fees as more particularly provided herein.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF CENTERVILLE CITY, STATE OF UTAH, AS FOLLOWS:

Section 1. Amendment. The effective date for the updated drainage utility fees adopted in Resolution No. 2024-17 is hereby amended to be delayed from September 26, 2024 to December 26, 2024. All other provisions of Resolution No. 2024-17 not modified by this Resolution shall remain in full force and effect and are hereby ratified and affirmed.

Section 2. Severability Clause. If any section, part, or provision of this Resolution is held invalid or unenforceable, such invalidity or unenforceability shall not affect any other portion of this Resolution, and all sections, parts and provisions of this Resolution shall be severable.

Section 3. Effective Date. This Resolution shall become effective immediately upon its passage.

PASSED AND ADOPTED BY THE CITY COUNCIL OF CENTERVILLE CITY, STATE OF UTAH, ON THIS 1st DAY OF OCTOBER, 2024.

ATTEST:

CENTERVILLE CITY


Jennifer Robison, City Recorder

By: 
Clark A. Wilkinson, Mayor

CERTIFICATE OF PASSAGE AND EFFECTIVE DATE

According to the provisions of the U.C.A. § 10-3-719, as amended, resolutions may become effective without publication or posting and may take effect on passage or at a later date as the governing body may determine; provided, resolutions may not become effective more than three months from the date of passage. I, the municipal recorder of Centerville City, hereby certify that foregoing resolution was duly passed by the City Council and became effective upon passage or a later date as the governing body directed as more particularly set forth below.

Jennifer Robison
JENNIFER ROBISON, City Recorder

DATE: 10-3-2024

EFFECTIVE DATE: 1st day of October, 2024.



RESOLUTION NO. 2025-01

A RESOLUTION AMENDING THE EFFECTIVE DATE FOR UPDATED DRAINAGE UTILITY FEES AS ADOPTED IN RESOLUTION NO. 2024-22

WHEREAS, the City Council recently adopted Resolution No. 2024-22 amending Section 8.030 of the City Fee Schedule regarding updated drainage utility fees effective December 26, 2024; and

WHEREAS, the City Council desires to delay the effective date of the updated drainage utility fees as adopted in Resolution No. 2024-22 from December 26, 2024 to March 26, 2025; and

WHEREAS, the City is authorized by law to charge reasonable fees for the operation and maintenance of the City storm and subsurface drainage utility and facilities with Utah Code Ann. § 10-3-717; and

WHEREAS, the City Council has determined that delaying the effective date of the updated drainage utility fees as adopted in Resolution No. 2024-22 is in the best interest of the City and the businesses and residents to allow additional time to budget and plan for the updated drainage utility fees as more particularly provided herein.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF CENTERVILLE CITY, STATE OF UTAH, AS FOLLOWS:

Section 1. Amendment. The effective date for the updated drainage utility fees adopted in Resolution No. 2024-22 is hereby amended to be delayed from December 26, 2024 to March 26, 2025. All other provisions of Resolution No. 2024-22 not modified by this Resolution shall remain in full force and effect and are hereby ratified and affirmed.

Section 2. Severability Clause. If any section, part, or provision of this Resolution is held invalid or unenforceable, such invalidity or unenforceability shall not affect any other portion of this Resolution, and all sections, parts and provisions of this Resolution shall be severable.

Section 3. Effective Date. This Resolution shall become effective immediately upon its passage.

PASSED AND ADOPTED BY THE CITY COUNCIL OF CENTERVILLE CITY, STATE OF UTAH, ON THIS 21st DAY OF JANUARY, 2025.

ATTEST:

CENTERVILLE CITY


Jennifer Robison, City Recorder

By: 
Clark A. Wilkinson, Mayor

CERTIFICATE OF PASSAGE AND EFFECTIVE DATE

According to the provisions of the U.C.A. § 10-3-719, as amended, resolutions may become effective without publication or posting and may take effect on passage or at a later date as the governing body may determine; provided, resolutions may not become effective more than three months from the date of passage. I, the municipal recorder of Centerville City, hereby certify that foregoing resolution was duly passed by the City Council and became effective upon passage or a later date as the governing body directed as more particularly set forth below.

Jennifer Robison
JENNIFER ROBISON, City Recorder

DATE: 1-22-2025

EFFECTIVE DATE: 21st day of January, 2025.





CENTERVILLE CITY – STORM DRAIN & SUBDRAIN CAPITAL FACILITIES PLAN

August 2023

**Prepared by: ESI Engineering, Inc. - Kevin Campbell, PE
Centerville City Engineer**

Kyle Kump, EIT

Brian Naylor, EIT

Preston Brown, Designer

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Appendix B	Centerville City NOAA Rainfall Data
Appendix C	Storm Drain Project Cost Estimates
Appendix D	Subdrain Project Cost Estimates

LIST OF ACRONYMS AND ABBREVIATIONS

Ac-ft	acre-feet
cfs	cubic feet per second
CN	curve number
ERU	Equivalent Residential Unit
GOMB	Governor's Office of Management and Budget
LID	Low Impact Development
LOS	Level of Service
MS4s	Municipal Separate Storm Sewer Systems
NOAA	National Oceanic and Atmospheric Administration
NRCS	Natural Resources Conservation Service
O&M	Operation and Maintenance
PVC	Polyvinyl Chloride
RCP	Reinforced Concrete Pipe
SCS	Soil Conservation Service
s.f.	square feet
sq. mi.	square miles
SWMP	Stormwater Management Plan
UAC	Utah Administrative Code
USDA	United States Department of Agriculture

1.0 EXECUTIVE SUMMARY

A Capital Facilities Plan is a planning document that presents suggestions for system growth as development proceeds and summarizes the results of system analyses. The Capital Facilities Plan (Plan) analyzes current issues and flaws in the system and provides cost estimates for fixing them. Additionally, the effects of growth are taken into account when recommending effective system expansion or enhancement to meet future demands.

Modeling was used to assess the storm drain system of Centerville City for transmission capacity, storage capacity, and overall system efficiency. This approach allowed for the identification of numerous necessary stormwater projects within the current system to address any shortcomings. The projected expansion of the flood area will call for upgraded transmission systems and more storage space.

A full list of recommended projects is found in Section 5 of this Plan. This list of projects is a summary of deficiencies and potential problems in the existing storm drain system and future deficiencies based on projected growth and development. The project list also includes replacement projects for aging infrastructure.

Project costs were separated into three funding categories for projects that are needed to resolve existing deficiencies and/or storm drain issues and for projects that serve large regions of Centerville City which accommodate demands imposed by future development. The costs for the projects will be funded by Centerville City with some projects having funding contributions from Davis County or from the Developer of the project. Below is a cost breakdown of these costs as described above for the City's Storm Drain Projects (Table 1.1) and Subdrain Projects (Table 1.2):

Table 1.1 – Storm Drain Projects Cost Summary

Cost Breakdown			
Estimated Total Storm Drain Project Costs	Centerville City Cost	Davis County Cost	Developer's Cost
\$30,156,546	\$26,533,280	\$3,623,266	\$0

Table 1.2 – Subdrain Projects Cost Summary

Cost Breakdown			
Estimated Total Sub-Drain Project Costs	Centerville City Cost	Davis County Cost	Developer's Cost
\$8,308,684	\$8,308,684	\$0	\$0

2.0 INTRODUCTION

2.1 City Characteristics

Centerville City, Utah is located in south Davis County. Centerville City (City) was established in 1847 and incorporated as a city in 1915. The City is surrounded by Farmington City to the north, Bountiful City to the south, the Wasatch Mountain Range to the east, West Bountiful to the southwest, and the Great Salt Lake to the west. The total land area of the City is 5.98 square miles. The main thoroughfares through the city are Interstate 15, Legacy Parkway, Parrish Lane (SR105), and Main Street (SR106). The City's population was 16,884 according to the 2020 census. Estimates are showing the population of the City in 2030 may be over 21,000.

Land use is a mix of residential, commercial, industrial, agricultural, and public facilities. The City's vision for future land use in the undeveloped northwesterly portion of the City (land area between Legacy Parkway and the Nature Conservancy) is slated for a Shorelands Commerce Park with the intent of creating a job center for the City.

2.2 Background

The most current investigation into the storm drain system in Centerville City was carried out by ESI Engineering, Inc. Information for this Plan was gathered from previous reports and plans, Centerville City personnel, State records, and other sources. This Plan independently analyzes and reviews the City's storm drain system and identifies projects necessary to update and/or repair infrastructure based on known needs and to plan for the future growth of the City. This Plan also evaluates projects based on the infrastructure's condition and its importance to the overall storm drain system. Additional information is provided which will be necessary to complete an Impact Fee Facility Plan. The Impact Fee Facility Plan will be completed separately and is not included in this Plan.

2.3 Study Area

The Study Area for this Plan includes all areas within the current city boundary. Centerville City's storm drain system currently serves all areas within the city boundaries. This Plan analyzes the potential future growth within the City boundaries only. The Study Area is approximately 5.98 square miles.

It is understood that the service boundary and/or the proposed land uses may change depending on future and ongoing land developments. These factors may require periodic adjustments to this Plan and the recommended storm drain capital facilities projects.

The storm drain service areas within the city limits are shown in [Appendix A](#).

3.0 ERUs AND GROWTH ESTIMATES

3.1 Equivalent Residential Units

Stormwater runoff varies from property to property throughout a City's storm drain system. This variety is due to the differences in the hardness of the surfaces between properties in a development. A fundamental unit of runoff can be developed for comparative purposes in order to reduce the complexity of examining every property throughout the study area. This basic unit is called an Equivalent Residential Unit, or ERU. For this report, an ERU quantifies the stormwater impact of a typical detached single-family residence. This is the most common type of development within the City. The ERU is utilized to calculate the effects of various development types and to assess the system using a single equating unit of measurement.

3.1.1 Residential ERUs

For the purposes of this study, one ERU is defined as having an area of a directly connected hard surface measuring 3,243 square feet (1 ERU = 3,243 sf). This statistic was generated using the average of samples collected from homes on lots that were about 1/4 acre in size. This includes a proportional portion of all the paved roads in the research region as well as a typical home's driveway. The rooftops of the homes were not included because rainwater from a roof is normally dumped onto pervious surfaces by a rain gutter system. The area was determined using the formulas below for a standard 1/4-acre lot:

$$[85 \text{ ft frontage} \times (41 \text{ ft curb to curb} / 2)] + 1500 \text{ sf driveway} = 3,243 \text{ sf}$$

The defined ERU can be used to calculate the impact of various types of development within the system, as shown in Table 3.1.

Table 3.1 – ERUs for Various Property Types

Zone	Lot Size	ERUs
Rural Residential	1 Acre	1.12
Semi-Rural Residential	1/2 Acre	1.56
Low-Density Residential	1/3 Acre	1.77
Medium-Density Residential	1/4 Acre	1.15
High-Density Residential	>1/4 Acre	0.95
Other (Commercial, Institutional, Industrial, etc.)	Varies	Calculated based upon the square footage of directly- connected impervious cover.

Properties with large amounts of hard surfacing may have the impact of many single-residence homes. The impact of such properties would therefore be calculated as many ERUs. Commercial lots often have 2 – 3 times the hard surface that similarly-sized residential lots have. As a result, commercial sites generally have higher impact fees than residential sites of similar size.

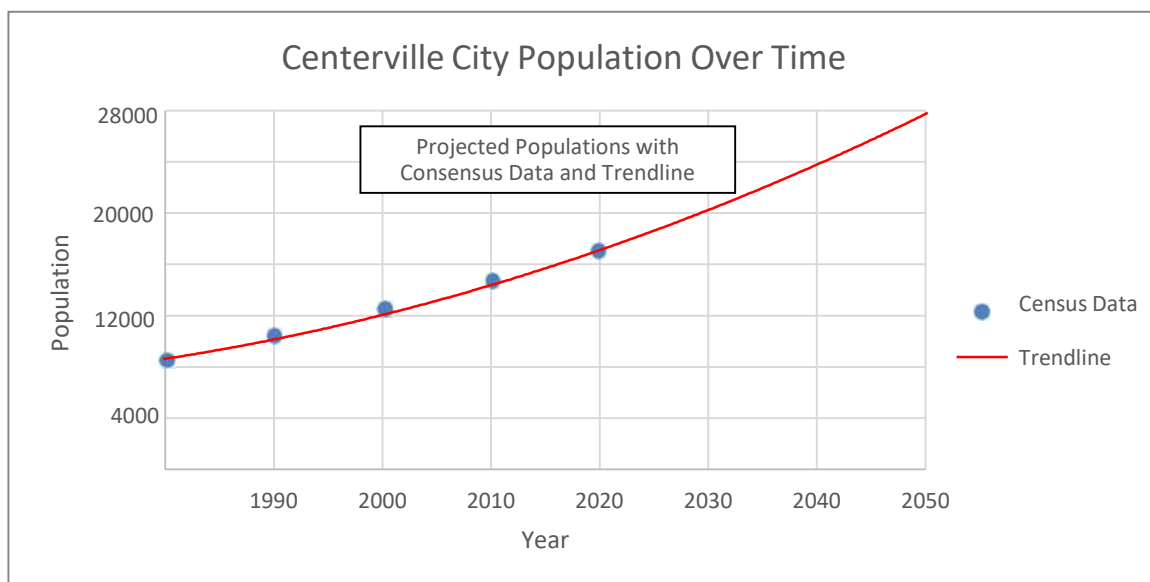
3.2 Growth Estimates

3.2.1 Population Projections

Current population information has been estimated from official US Census Bureau data. From 2010 to 2020 the yearly population growth rate of Centerville averaged 1.5%. Based upon recent development within the City, it is believed that the yearly growth rate will increase in the coming years and is estimated to continue at 1.5% for the purposes of this Plan.

Utilizing historical population data and computationally estimating a curve to best suit the data is a technique to anticipate expected population growth. The population of the City can then be estimated by projecting this curve line into the future. The results of this strategy are displayed in Figure 3.1:

Figure 3.1 – Historic and Projected Population



The projected populations from the regression equation were compared to the populations provided by the Governor's Office of Management and Budget (GOMB) and a constant growth rate of 1.5% per year of the trendline. Table 3.2 below shows these comparisons.

Table 3.2 – Population Projections

Year	GOMB	Regression Equation	Constant Growth Rate (1.5%)
2020	18,484	16,750	16,884*
2030	21,000	20,025	19,417
2040	25,323	23,850	22,330
2050	26,496	27,800	25,680

*Actual data

3.2.2 ERU Projections

The population growth does not directly correlate with the total projected ERUs because a significant portion of Centerville City is anticipated to be developed into commercial properties; however, the growth rate can be applied to the current number of ERUs to project the future ERUs contributing to the storm drain system. The expected expansion of ERUs was calculated to follow the same growth pattern as the population.

The ERU concept can also be applied to undeveloped land in order to estimate the amount of future stormwater runoff in areas of growth or redevelopment. Table 3.3 gives a breakdown of population projection and projected residential versus non-residential ERUs.

Table 3.3 – Population and ERU Projections

Year	Population Projection	Projected Residential ERUs	Projected Non-Residential ERUs	Projected Total ERUs
2010	15,335*	2,456*	ND	ND
2020	16,884*	3,483	1,507	4,990
2030	21,000	4,248	2,022	6,270
2040	25,323	7,264	2,455	9,719
2050	26,496	7,962	2,823	10,785

*Actual data

ND – Data not available

Centerville City's storm drain system served approximately 4,990 ERUs in 2020. Based upon plans for land zoning and current undeveloped areas, approximately 5,795 additional ERUs could be added in the future over the next 30 years.

For a typical city residential development is expected to closely follow the growth rate of the population, however, non-residential development may have a very different correlation. Due to a large percentage of future ERUs belonging to non-residential development, buildout projections for future developments will likely not represent actual growth rates accurately. Due to a variety of potential changes in the economy and growth rate of the City, it is recommended that this plan be reviewed approximately every five (5) to ten (10) years depending upon actual growth.

4.0 HYDROLOGY

4.1 Introduction

The study of water's presence, distribution, movement, and characteristics is known as hydrology. A crucial component of a storm drain capital facilities plan is estimating the amount of runoff generated by different development types depending on a variety of factors. In other words, knowledge of the site's hydrology is necessary to accurately estimate the volume and flow of water inside a study region for storm drain systems. The slope of a site, the soil composition, the type of land used, and other factors unique to the area of interest are all elements that influence the hydrology of a city.

4.2 Method for Identifying Runoff and Calculating Flows

The 'Rational Method' has been used to estimate the maximum rate of stormwater runoff for a given rainfall intensity over a specific watershed or drainage area. The Rational formula is commonly used for small urban watersheds and takes into account the type of development on which rain falls. Three types of development were considered in the stormwater runoff calculations: business, residential, and park or open space. These developments have been designed to handle minor events, such as the 10-year storm (a storm with a ten percent probability of occurrence in any given year), and then rely on the streets and main drainage channels to handle the more severe events. Davis County utilizes the 100-year event (an event with a one percent probability of occurrence in any given year) for their jurisdictional stream channels that transverse Centerville City. Therefore, where a designated stream channel exists in a particular drainage area the 100-year event has been employed. Rainfall intensity was referenced from Centerville City rainfall data for the 10-year and 100-year return periods. This rainfall data has been included in [Appendix B](#).

Each drainage area collects stormwater and in general, conveys the water west. Drainage area maps with corresponding drainage systems are located in [Appendix A](#). Drainage Areas 1 through 13 convey water to Frontage Road and I-15. Drainage areas 14 through 22 convey water to Legacy Parkway or a corridor referred to as the former D&RG right-of-way (now owned by UTA) and the Sheep Road. These conveyance points or drainage area boundaries (i.e. I-15 or D&RG) have culvert systems that control the quantity of stormwater flow. The flow capacity of the existing culvert system was determined at each conveyance outfall. If the culvert was known to be a concrete pipe, the capacity was estimated through the use of Culvert Capacity Charts in the Concrete Pipe Design Manual by the American Concrete Pipe Association. If the pipe was of another material, such as corrugated metal, then Manning's equation was used to estimate the capacity. With the estimated capacity for each drainage area discharge culvert and the calculated volume of accumulated stormwater for a design rainfall event, an iterative process determined the quantity of storage or detention required per area. Where drainage areas carry Davis County stream channels, the 100-year flow at the mouth of the canyon, as referenced from the 1979 FEMA report by Gingery Associates, Inc. (Gingery), was included in addition to the area calculation. A table summarizing the Gingery information is found in [Exhibit 1](#).

The required storage calculated was then compared to existing detention in the areas to determine whether additional detention would be needed, as the land develops, or if culvert systems at area

boundaries would need to be upgraded. It should be noted that the runoff rates for all areas were calculated based on the land being completely developed at the present zoning status. Detention in the City is recommended, even in the lower areas west of I-15, for the benefit of stormwater pollution prevention in downstream waters, such as Farmington Bay.

4.3 Existing Level of Service

Minimum design standards have been established to determine an effective level of service for the community. In general City Drainage systems are designed to handle the 10-year storm event, while the County Drainage systems (stream channels) are designed to handle the 100-year storm event. This is the basic level of service that is being provided to the residents at this time. While there are still some areas of the City that are located within the 100-year flood plain, most of the flood plains are limited to undeveloped areas in the City.

The goal in the management of stormwater is to help reduce the risk of flood and improve water quality. A sustainable water management program relies on both City and Developer to manage stormwater runoff. In designing the majority of the City systems for the 10-year storm there will likely be minor inconvenience and damage that may occur during these events, but in no case should there be flooding that causes major structural damage, destruction to public facilities, or loss of life.

4.4 Minimum Culvert Sizes for New Development

For new drainage systems installed in City Streets, the minimum standard pipe size is 15" in diameter. Minimum culvert size required to be installed for new development east of I-15 is 24" in diameter and the minimum culvert size required to be installed for new development west of I-15 is 36" diameter due to the flat grades of the land and drainage ditches in these areas. Reinforced concrete pipe is typically required to be installed in the City right-of-way.

It is not the City's intent to have the ditches west of I-15 and Legacy Parkway piped in as a part of future development. The City would prefer to have culverts at road crossings with improved ditches to carry stream and storm drainage flows.

4.5 Retention Requirements for New Development

The General Permit for Discharges from Small Municipal Separate Storm Sewer Systems (MS4s) UPDES Permit No. UTR090000 was updated in February 2020 with new storm water retention requirements. Effective July 1, 2020, Permit Part 4.2.5.1.2 requires new development projects that disturb greater than or equal to one acre, including projects less than one acre that are part of a larger common plan of development or sale, to manage rainfall on-site and prevent the off-site discharge of the precipitation from all rainfall events less than or equal to the 80th percentile rainfall event.

Redevelopment projects that increase impervious area by more than 10% and disturb more than or equal to one acre, including projects less than one acre that are part of a larger common plan of development or sale, must also manage rainfall on-site and avoid off-site discharge of the net increase in volume associated with precipitation from all rainfall events less than or equal to the 80th percentile rainfall event. This permit requirement will be met by implementing Low Impact Development (LID)

methods that are designed, built, and maintained to infiltrate, evapotranspire, capture, and utilize rainwater and/or stormwater.

4.6 80th Percentile Rainfall Depth

The 80th percentile rainfall depth represents the depth of rainfall which is not exceeded in 80 percent of all runoff producing rainfall events within the time period analyzed. In other words, 80 percent of the rainfall storm events that produce runoff will be less than or equal to this depth. The majority of Utah MS4s have an 80th percentile rainfall depth of between 0.4 - 0.6 inches. The rainfall depth corresponds directly to rainfall volume (not the same as runoff volume) when applied over an area. For example, an 80th percentile rainfall depth of 0.65 inches applied over a 10-acre site equates to approximately 0.5 acre-feet or 875 cubic yards (Utah Division of Water – Fact Sheet, DWQ Guidance for Calculation of 80th Percentile Storm Event).

5.0 STORM DRAIN SYSTEM

5.1 Existing Storm Drain System

There are currently twenty-two (22) drainage areas that Centerville City (City) has been divided into. The Frontage Road/ I-15/ UTA UPRR corridor bisects the City's drainage areas separating them into "east" and "west" drainage areas. Over the past 40-plus years substantial improvements have been made to the storm drain systems located in the City's region including a multitude of culverts running under the corridor.

Regional detention areas have been developed for the City along the Frontage Road in order to minimize storm drain pipe sizing needed to run underneath the corridor.

The City has been in continued cooperation with Davis County, UDOT, and other entities in completing storm drain projects to adequately convey storm water underneath the Frontage Road and I-15 freeway.

Open channel ditches make up some of the City's storm drain system, these channels and the other storm drain systems need to be maintained frequently to replace any worn-out linings and to remove trash and overgrown vegetation. It is advised that frequent examination and maintenance of these regions be carried out in order to lessen the need for significant rehabilitation projects.

The Existing Storm Drain System for Centerville City is shown in [Appendix A](#).

5.2 Storm Drain Goals and Standards

Storm drain systems and infrastructure should be designed and implemented so that the existing hydrology imitates pre-development conditions, meaning the amount of runoff from a new development should be the same quantity of runoff that came about before the development was built-up. This is required by the General Permit issued to the City by the State Division of Water Quality.

The use of detention ponds is a method of reducing the peak flows due to stormwater runoff. Typically, the City allows detention ponds to maintain a discharge rate of 0.1 cfs/acre served. While this standard addresses the rate at which stormwater can leave detention basins, it does not address the quantity of stormwater which may leave a site. Instead of reducing the volume of water that may leave a detention basin, the City has extended the amount of time in which it may leave. This allows more water, by volume, to leave a site than before development. In order to fully match pre-development conditions, stormwater that was previously absorbed should be retained onsite. The State Division of Water Quality has set a date by which these standards must be implemented as stated in Section 4.2.5.3.4 of the November 30, 2016, Storm Water General Permit:

“By March 1, 2020, new development or redevelopment projects... must manage rainfall onsite, and prevent the off-site discharge of the precipitation from all rainfall events less than or equal to the 80th percentile rainfall event.”

To accomplish this goal, infiltration basins, evaporation ponds, rainwater harvesting, and other rainwater reuse methods must be implemented to keep stormwater onsite. This requires development construction standards to change in order to store and treat stormwater onsite. In some cases, the implementation of this goal will be difficult, if not impossible. For these situations, the General Permit also states:

“If meeting this retention standard is technically infeasible, a rationale shall be provided on a case-by-case basis for the use of alternative design criteria. The project must document and quantify that infiltration, evapotranspiration, and rainwater harvesting have been used to the maximum extent technically feasible and that full employment of these control are infeasible due to site constraints.”

Retaining stormwater onsite in detention basins is a typical practice that the public and residents sometimes have apprehensions about. Due to the determination that these storms, frequently occur for two or more days onsite retention would be overloaded, causing all runoff beyond the pond capacity to proceed to the storm drain system for transmission. Without detention facilities, this runoff may overwhelm the storm drain system and flood areas downstream. Therefore, while it is intended that much of the runoff in typical rain events will be captured onsite, detention facilities and piping downstream are necessary to keep the City’s storm drain system operating as intended.

5.3 Projects

Table 5.1 is a list of projects for the City that will help correct current issues in the storm drain system and to meet both present and future demands that the system needs to accommodate. These improvements have been grouped by year and prioritized based on criticality to service the public and infrastructure condition.

Table 5.1 – Storm Drain Capital Improvement Projects

Year Group	Project Year	Project Location/ Description
1	2024	- Deuel Creek Box Culvert 400 West to Frontage Road - Peachtree - 1375 North to Main Street - Briarwood Drive - Bonita Way to 400 East
	2025	- Deuel Creek Box Culvert Main Street to 400 West - Nola Drive & 1375 North - 1675 North to 1350 North - Centerville Jr. High (South Property Line) - 300 East to Main Street or Combine with Rivera SD system
	2026	- I-15 975 North - New 48" Culvert - I-15 Parrish Lane (400 North) – Replace 36" CMP w/ New 36" Culvert
	2027	- I-15 (C112) 2075 North (Lexington Park) - Replace 24" CMP w/ New 36" Culvert - I-15 Frontage Rd & 500 South Replace 24" CMP w/ New 36" Culvert
	2028	- I-15 650 South – Replace 24" CMP w/ New 36" Culvert - I-15 Parrish Creek – Replace 42" CMP w/ New 48"
2	2029	- Parrish Lane - 100 East to Canyon Point - I-15 (P106) North Property Line of Community Park - New 36" Culvert
	2030	- Windsor Lane, Williams Lane, & 300 West Storm Drain - I-15 750 North - Replace 24" CMP w/ New 36" Culvert
	2031	700 North & Pheasant Way - London Road to Bonita Way - I-15 Parrish Lane (400 North) - Replace 24" CMP along East Side of I-15 & 800 West Crossing to Parrish Lane
	2032	- Nola Drive - 1200 North to 1350 North - I-15 100 South - Replace 24" CMP w/ New 36" Culvert
	2033	- I-15 Frontage Road - 200 South Replace CMP Culvert - Barnard Street Overflow Storm Drain - Main Street to Oakridge Drive
3	2034	- I-15 625 North - Replace 30" CMP w/ New 36" Culvert 725 North 1250 West & 600 North 1250 West - Inlet Box Replacement
	2035	- Parrish Creek 950 West to 1250 West - Channel Improvements - Public Works Dry Beds
	2036	- Rick's Creek Culvert at 575 West (Parallel w/ New 36" Elliptical) - Island View - 550 South to 650 South
	2037	500 South - UPRR / UTA - Replace 24" CMP w/ New 36" Culvert - Carrington Lane - Main Street to Ricks Creek Reservoir

	2038	650 North - 1000 West to 1250 West - Replace 30" CMP w/ 42" RCP - Parrish Lane - Crossing at 800 West (7-11 to Carls Jr.) - Replace 36" CMP
4	2039	400 South - 400 East to 700 East 780 South - 50 West to Pitford Drive
	2040	- Hillside Property Drainage Project 200 South - 600 East to 500 East - Replace CMP
	2041	700 South - 475 East to 700 East 600 North - 1250 West to Legacy Parkway
	2042	400 North - 1550 West to 1300 West 1250 West - Crossing at 75 North
	2043	70 West - 115 N to Center Street 550 South - Pitford Drive to 400 West - Pipe Lining Project
5	2044	1275 North - 1250 West to 1300 West - Aspen Way & Poplar Circle - 400 East to 610 East
	2045	- Willow Valley Drive to Frontage Road Swale - Pipe (3) 15" System - Main Street - 1600 North to Smoot Park
	2046	1825 North - Main Street to 300 East 1975 North - Main Street to 150 East
	2047	- Future 1250 West Extension - Rick's Creek 12' x 5' Box Culvert - Future 1250 West Extension - 1875 North (Villa de France) - 36" RCP Culvert
	2048	- D&RG Rick's Creek - 72" x 48" Elliptical RCP Culvert - D&RG 2075 North - 36" Culvert
6	2049	1275 N - replace ADS with RCP 71" x 47" CMP Culvert at Legacy Trail and Sheep Road at 1000 North
	2050	- Sheep Road 2075 North - 36" Culvert - Sheep Road Rick's Creek - 71" x 47" Elliptical RCP Culvert

Table 5.2 is a list of projects for the City that will help correct current issues in the subdrain system and to meet both present and future demands that the system needs to accommodate. These improvements have been grouped by year and prioritized based on criticality to service the public and infrastructure condition.

Table 5.2 – Subdrain Capital Improvement Projects

Year Group	Project Year	Project Location/ Description
1	2024	• Pitford - 550 South to Tobe
	2025	• N/A
	2026	• Ariane Way - 450 West to 650 West
	2027	• Parrish Lane - 100 East to Main Street
	2028	• N/A
2	2029	• 1850 North - 100 West to 400 West
	2030	• 1500 North Cul-de-sac on 400 West
	2031	• 1600 North (Rick's Creek Way) - 100 West to 200 West
	2032	• 1650 North (Milky Way) - 100 West to 200 West
	2033	• 1800 North - 300 West to 400 West
3	2034	• Lewis & Clark Drive - Fremont Cir to Jim Bridger Dr / Frontage Rd Crossing
	2035	• N/A
	2036	• 700 S. - 300 E. to 400 E., 600 S. - 300 E. to 400 E., 300 E. - 600 S. to 725 S.
	2037	• Tobe Drive - 350 West to 400 West
	2038	• N/A
4	2039	• Mountain View Drive & Creek View Drive
	2040	• N/A
	2041	• Canyon Breeze Drive
	2042	• N/A
	2043	• 400 West - 1500 North to 1375 North
5	2044	• 100 West Cul-de-sac on 1450 North
	2045	• 850 South / 780 South - 150 West (Slip-Line)
	2046	• Lund Lane - 700 West to 200 West
	2047	• Freedom Hills Park SE Corner - Sub-drain & Duncan Spring
	2048	• 2100 North - 400 West to Churchill Drive (in back yards of 2115 North & 2101 North)
6	2049	• 150 West - 845 South to 780 South
	2050	• 2075 North / 725 West

5.4 Summary and Conclusions

The existing and planned storm drain systems have been assessed to identify what system improvements and upgrades are required, as described in the preceding sections. These upgrades have been grouped by year and ranked in order of importance and according to where future development is anticipated to have the biggest impact on the storm drain system. Table 6.1 has an itemized cost estimate for each project.

The lists and projects detailed in this Plan are not intended to be an all-inclusive list of storm drain projects that will be needed to be completed in the City as build-out is reached. The intent of the lists is to include storm drain projects that will accomplish the following objectives:

- Increase existing storm drain system sizes for maintenance purposes and /or for proper design flows.
- Construct new improvements at proper sizes to carry design flows.
- Serve as a Storm Drain Master Plan when development occurs.

6.0 STORM DRAIN SYSTEM PROJECTS AND COST ESTIMATES

6.1 Storm Drain Projects and Cost Estimates

As detailed in the previous sections, the existing and future storm drain systems have been analyzed to determine needed system improvements. While a few of these projects will be driven by development, others are necessary to provide better efficiency and reliability of the system. A summarized list of the projects for the years 2024 through 2039 and their associated costs is shown in Table 6.1.

Table 6.1 – Storm Drain Projects Cost Summary

Project Year	Project Description	Total Estimated Cost	Cost Breakdown		
			Centerville City Cost	Davis County Cost	Developer's Cost
2024	Deuel Creek Box Culvert 400 West to Frontage Road	\$1,321,094	\$430,469	\$890,625	\$0
2024	Peachtree - 1375 North to Main Street	\$645,830	\$645,830	\$0	\$0
2024	Briarwood Drive - Bonita Way to 400 East	\$341,185	\$341,185	\$0	\$0
2025	Deuel Creek Box Culvert Main Street to 400 West	\$1,582,000	\$395,500	\$1,186,500	\$0
2025	Nola Drive & 1375 North - 1675 North to 1350 North	\$268,236	\$268,236	\$0	\$0
2025	Centerville Jr. High (South Property Line) - 300 East to Main Street or Combine with Rivera SD system	\$877,830	\$877,830	\$0	\$0
2026	I-15 975 North - New 48" Culvert	\$542,450	\$135,612	\$406,838	\$0
2026	I-15 Parrish Lane (400 North) – Replace 36" CMP w/ New 36" Culvert	\$1,394,683	\$1,394,683	\$0	\$0
2027	I-15 (C112) 2075 North (Lexington Park) - Replace 24" CMP w/ New 36" Culvert	\$949,750	\$949,750	\$0	\$0
2027	I-15 Frontage Rd & 500 South Replace 24" CMP w/ New 36" Culvert	\$688,750	\$688,750	\$0	\$0
2028	I-15 650 South – Replace 24" CMP w/ New 36" Culvert	\$688,750	\$688,750	\$0	\$0
2028	I-15 Parrish Creek – Replace 42" CMP w/ New 48"	\$743,000	\$185,750	\$557,250	\$0

Project Year	Project Description	Total Estimated Cost	Cost Breakdown		
			Centerville City Cost	Davis County Cost	Developer's Cost
2029	Parrish Lane - 100 East to Canyon Point	\$451,675	\$451,675	\$0	\$0
2029	I-15 (P106) North Property Line of Community Park - New 36" Culvert	\$978,750	\$978,750	\$0	\$0
2030	Windsor Lane, Williams Lane, & 300 West Storm Drain	\$473,280	\$473,280	\$0	\$0
2030	I-15 750 North - Replace 24" CMP w/ New 36" Culvert	\$703,250	\$703,250	\$0	\$0
2031	700 North & Pheasant Way - London Road to Bonita Way	\$392,515	\$392,515	\$0	\$0
2031	I-15 Parrish Lane (400 North) - Replace 24" CMP along East Side of I-15 & 800 West Crossing to Parrish Lane	\$726,958	\$726,958	\$0	\$0
2032	Nola Drive - 1200 North to 1350 North	\$181,468	\$181,468	\$0	\$0
2032	I-15 100 South - Replace 24" CMP w/ New 36" Culvert	\$1,075,900	\$1,075,900	\$0	\$0
2033	I-15 Frontage Road - 200 South Replace CMP Culvert	\$151,670	\$151,670	\$0	\$0
2033	Barnard Street Overflow Storm Drain - Main Street to Oakridge Drive	\$1,560,200	\$1,560,200	\$0	\$0
2034	I-15 625 North - Replace 30" CMP w/ New 36" Culvert	\$1,069,375	\$1,069,375	\$0	\$0
2034	725 North 1250 West & 600 North 1250 West - Inlet Box Replacement	\$266,945	\$266,945	\$0	\$0
2035	Parrish Creek 950 West to 1250 West - Channel Improvements	\$552,850	\$138,212	\$414,638	\$0
2035	Public Works Dry Beds	\$171,100	\$171,100	\$0	\$0
2036	Rick's Creek Culvert at 575 West (Parallel w/ New 36" Elliptical)	\$70,720	\$17,680	\$53,040	\$0
2036	Island View - 550 South to 650 South	\$188,573	\$188,573	\$0	\$0

Project Year	Project Description	Total Estimated Cost	Cost Breakdown		
			Centerville City Cost	Davis County Cost	Developer's Cost
2037	500 South - UPRR / UTA - Replace 24" CMP w/ New 36" Culvert	\$469,800	\$469,800	\$0	\$0
2037	Carrington Lane - Main Street to Ricks Creek Reservoir	\$445,078	\$445,078	\$0	\$0
2038	650 North - 1000 West to 1250 West - Replace 30" CMP w/ 42" RCP	\$881,600	\$881,600	\$0	\$0
2038	Parrish Lane - Crossing at 800 West (7-11 to Carls Jr.) - Replace 36" CMP	\$187,485	\$187,485	\$0	\$0
2039	400 South - 400 East to 700 East	\$247,878	\$247,878	\$0	\$0
2039	780 South - 50 West to Pitford Drive	\$422,313	\$422,313	\$0	\$0
2040	Hillside Property Drainage Project	\$2,216,325	\$2,216,325	\$0	\$0
2040	200 South - 600 East to 500 East - Replace CMP	\$177,770	\$177,770	\$0	\$0
2041	700 South - 475 East to 700 East	\$422,313	\$422,313	\$0	\$0
2041	600 North - 1250 West to Legacy Parkway	\$385,120	\$385,120	\$0	\$0
2042	400 North - 1550 West to 1300 West	\$452,400	\$452,400	\$0	\$0
2042	1250 West - Crossing at 75 North	\$109,062	\$109,062	\$0	\$0
2043	70 West - 115 N to Center Street	\$485,243	\$485,243	\$0	\$0
2043	550 South - Pitford Drive to 400 West - Pipe Lining Project	\$287,100	\$287,100	\$0	\$0
2044	1275 North - 1250 West to 1300 West	\$582,900	\$582,900	\$0	\$0
2044	Aspen Way & Poplar Circle - 400 East to 610 East	\$295,583	\$295,583	\$0	\$0
2045	Willow Valley Drive to Frontage Road Swale - Pipe (3) 15" System	\$760,743	\$760,743	\$0	\$0

Project Year	Project Description	Total Estimated Cost	Cost Breakdown		
			Centerville City Cost	Davis County Cost	Developer's Cost
2045	Main Street - 1600 North to Smoot Park	\$169,179	\$169,179	\$0	\$0
2046	1825 North - Main Street to 300 East	\$561,875	\$561,875	\$0	\$0
2046	1975 North - Main Street to 150 East	\$328,425	\$328,425	\$0	\$0
2047	Future 1250 West Extension - Rick's Creek 12' x 5' Box Culvert	\$241,788	\$241,788	\$0	\$0
2047	Future 1250 West Extension - 1875 North (Villa de France) - 36" RCP Culvert	\$107,663	\$107,663	\$0	\$0
2048	D&RG Rick's Creek - 72" x 48" Elliptical RCP Culvert	\$152,500	\$38,125	\$114,375	\$0
2048	D&RG 2075 North - 36" Culvert	\$114,913	\$114,913	\$0	\$0
2049	1275 N - replace ADS with RCP	\$95,787	\$95,787	\$0	\$0
2049	71" x 47" CMP Culvert at Legacy Trail and Sheep Road at 1000 North	\$217,863	\$217,863	\$0	\$0
2050	Sheep Road 2075 North - 36" Culvert	\$119,263	\$119,263	\$0	\$0
2050	Sheep Road Rick's Creek - 71" x 47" Elliptical RCP Culvert	\$159,790	\$159,790	\$0	\$0
TOTAL		\$30,156,546	\$26,533,280	\$3,623,266	\$0

6.2 Subdrain Projects and Cost Estimates

A summarized list of the projects for the years 2024 through 2044 and their associated costs is shown in Table 6.2.

Table 6.2 – Subdrain Projects Cost Summary

Project Year	Project Description	Total Estimated Cost	Cost Breakdown		
			Centerville City Cost	Davis County Cost	Developer's Cost
2024	Pitford - 550 South to Tobe	\$250,705	\$250,705	\$0	\$0
2025	N/A	\$0	\$0	\$0	\$0
2026	Ariane Way - 450 West to 650 West	\$690,389	\$690,389	\$0	\$0
2027	Parrish Lane - 100 East to Main Street	\$257,216	\$257,216	\$0	\$0
2028	N/A	\$0	\$0	\$0	\$0
2029	1850 North - 100 West to 400 West	\$581,102	\$581,102	\$0	\$0
2030	1500 North Cul-de-sac on 400 West	\$181,410	\$181,410	\$0	\$0
2031	1600 North (Rick's Creek Way) - 100 West to 200 West	\$501,541	\$501,541	\$0	\$0
2032	1650 North (Milky Way) - 100 West to 200 West	\$531,708	\$531,708	\$0	\$0
2033	1800 North - 300 West to 400 West	\$225,932	\$225,932	\$0	\$0
2034	Lewis & Clark Drive - Fremont Cir to Jim Bridger Dr / Frontage Rd Crossing	\$150,771	\$150,771	\$0	\$0
2035	N/A	\$734,660	\$734,660	\$0	\$0
2036	700 S. - 300 E. to 400 E., 600 S. - 300 E. to 400 E., 300 E. - 600 S. to 725 S.	\$501,570	\$501,570	\$0	\$0
2037	Tobe Drive - 350 West to 400 West	\$365,284	\$365,284	\$0	\$0
2038	N/A	\$0	\$0	\$0	\$0
2039	Mountain View Drive & Creek View Drive	\$532,629	\$532,629	\$0	\$0

Project Year	Project Description	Total Estimated Cost	Cost Breakdown		
			Centerville City Cost	Davis County Cost	Developer's Cost
2040	N/A	\$0	\$0	\$0	\$0
2041	Canyon Breeze Drive	\$554,952	\$554,952	\$0	\$0
2042	N/A	\$0	\$0	\$0	\$0
2043	400 West - 1500 North to 1375 North	\$568,444	\$568,444	\$0	\$0
2044	100 West Cul-de-sac on 1450 North	\$197,766	\$197,766	\$0	\$0
2045	850 South / 780 South - 150 West (Slip-Line)	\$197,200	\$197,200	\$0	\$0
2046	Lund Lane - 700 West to 200 West	\$328,570	\$328,570	\$0	\$0
2047	Freedom Hills Park SE Corner - Sub-drain & Duncan Spring	\$125,556	\$125,556	\$0	\$0
2048	2100 North - 400 West to Churchill Drive (in back yards of 2115 North & 2101 North)	\$249,400	\$249,400	\$0	\$0
2049	150 West - 845 South to 780 South	\$148,379	\$148,379	\$0	\$0
2050	2075 North / 725 West	\$433,500	\$433,500	\$0	\$0
TOTAL		\$8,308,684	\$8,308,684	\$0	\$0

See [Appendix C](#) - Storm Drain Project Itemized Cost Estimates.

See [Appendix D](#) - Subdrain Project Itemized Cost Estimates.

7.0 GLOSSARY OF TERMS

10-YEAR STORM: The storm event capable of producing rainfall expected to be equaled or exceeded on the average of once in 10 years. The storm event which has a 10% chance of being equaled or exceeded in any given year.

100-YEAR STORM: The storm event capable of producing rainfall expected to be equaled or exceeded on the average of once in 100 years. The storm event which has a 1% chance of being equaled or exceeded in any given year.

BEST MANAGEMENT PRACTICES (BMPs): BMPs include schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of the waters of the State. BMPs also include treatment, requirements, operating procedures, and practices to control facility site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage and good housekeeping solutions that include the proper handling, storage, and disposal of toxic materials to prevent stormwater pollution.

CATCH BASIN: A curbside opening that collects stormwater from streets and serves as an entry point to the storm drain system.

DESIGN RAINSTORM: A rainfall event, defined by storm frequency and storm duration, that is used to design drainage structures or conveyance systems.

DETENTION BASIN: An impoundment structure designed to reduce peak runoff flow rates by retaining a portion of the runoff during periods of peak flow and then releasing the runoff at lower flow rates.

FLOOD CONTROL CHANNEL: The open portions (often concrete-lined) of the storm drain system.

GUTTER: The edge of a street (below the curb) designed to drain water runoff from streets, driveways, and parking lots into catch basins.

INITIAL STORM DRAINAGE SYSTEM: The drainage system which provides conveyance for the storm runoff from minor storm events. The initial drainage system should be designed to reduce street maintenance, control nuisance flooding, help create an orderly urban system, and provide convenience to residents, while still meeting the criteria of the EPA's Storm Water Phase II mandate.

MAJOR STORM DRAINAGE SYSTEM: The drainage system which provides protection from flooding of homes during a major storm event.

MINOR STORM EVENT: A storm event that is less than or equal to the 10-year storm.

MAJOR STORM EVENT: Generally accepted as the 100-year storm. Typically homes should be protected from flooding in storm events up to a 100-year event.

MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4): MS4 refers to a collection of structures designed to gather stormwater and discharge it into local streams and rivers.

RETENTION BASIN: An impoundment structure designed to contain all of the runoff from a design storm event. Retention basins usually contain the runoff until it evaporates or infiltrates into the ground.

STORM DURATION: The length of time that defines the rainfall depth or intensity for a given frequency.

STORM FREQUENCY: A measure of the relative risk that the precipitation depth for a particular design storm will be equaled or exceeded in any given year. This risk is usually expressed in years.

STORM WATER: Rain runoff, snowmelt runoff, and other surface runoff and drainage that enters the storm drain system and empties into lakes, rivers, or streams.

WATERSHED: A watershed is land that collects water and drains it into a river system or lake.

8.0 REFERENCES AND WORKS CITED

Google Earth. Retrieved February 7, 2023, from Centerville City, Utah.

USDA, NRCS. (January 1999). *Urban Hydrology for Small Watersheds*. Washington, D.C. pp. A-1.

NOAA. https://hdsc.nws.noaa.gov/pfds/pfds_map_cont.html?bkmrk=ut.

U.S. Census Bureau. <https://www.census.gov/quickfacts/fact/table/centervillecityutah>.

‘Culverts at Frontage Road, I-15, UTA, UPRR & Legacy Highway.’ Centerville City – Storm Drain Master Plan Update 2013. ESI Engineering, Inc.

1979 FEMA Report by Gingery & Associates.

‘Estimated Flood Frequency Discharges at Interstate 15 for Major Channels in Davis County.’ Table 2 from report by CH2M Hill, 1997.

Davis County and Vicinity USGS Gage Records. Table 3.1 of report.

Utah Division of Water – Fact Sheet, DWQ Guidance for Calculation of 80th Percentile Storm Event

Exhibits

(Pages 22-1 through 22-4)

GINGER 1979

STREAM NAME	AFFECTED COMMUNITIES	LOCATION	IDENTIFICATION NUMBER	DRAINAGE AREA (sq. mi.)	DISCHARGES (cfs)			
					10-Yr.	50-Yr.	100-Yr.	500-Yr.
Tributary #1	North Salt Lake	Canyon Mouth	1	0.75			25	
Tributary #2	North Salt Lake	Canyon Mouth	2	1.2			40	
Tributary #3	North Salt Lake	Canyon Mouth	3	1.3			45	
Hooper Canyon	North Salt Lake	Orchard Drive Canyon Mouth	4	1.4	50	120	160	320
			5	1.0	16	25	33	67
North Canyon	North Salt Lake	Orchard Drive Canyon Mouth	6	3.1	60	170	250	550
			7	2.7	40	70	110	225
Mill Creek	West Bountiful	D&RGW Railroad	8	10.9	220	300	310	310
Barton Creek	West Bountiful	D&RGW Railroad	9	7.4	100	230	250	260
Stone Creek	West Bountiful	D&RGW Railroad	10	6.4	50	230	575	1450
Deuel Creek	West Bountiful	D&RGW Railroad Canyon Mouth	11	3.4	135	280	360	600
	Centerville		12	3.1	35	65	110	300
Parrish Creek	Centerville	D&RGW Railroad Canyon Mouth	13	3.3	50	140	220	550
			14	2.1	30	50	70	200
Barnard Creek	Centerville	D&RGW Railroad Canyon Mouth	15	2.0	70	155	220	500
			16	1.4	20	35	50	130
Ricks Creek	Centerville	D&RGW Railroad Canyon Mouth	17	3.1	110	230	300	520
			18	2.5	45	95	150	400
Unnamed Creek	Davis County	D&RGW Railroad Canyon Mouth	19	1.4	20	70	110	270
			20	0.78	10	20	28	50

CH2M HILL 1997

TABLE 2
Estimated Flood Frequency Discharges at Interstate 15 for Major Stream Channels in Davis County

Natural Channel	10-year Summer Cloudburst (cfs)	25-year Summer Cloudburst (cfs)	100-year Clear Sky Snowmelt (cfs)	100-year Clear Sky Snowmelt with 10-year Spring Cloudburst (for information only) (cfs)
Barton Creek	455	855	373	458
Stone Creek	656	1308	361	485
Deuel Creek	210	410	259	300
Barton, Stone, and Deuel Creek	1080	2015	993	1211
Parrish Creek	184	312	167	207
Barnard Creek	212	407	113	154
Parrish and Barnard Creek	338	662	280	351
Ricks Creek	289	533	194	253
Davis Creek	21	80	127	132
Steed Creek	95	196	211	232
Farmington Creek	Note A	Note A	826	Note A
Rudd Creek	Note A	Note A	58	Note A
Farmington and Rudd Creek	209	441	876	932
Shepard Creek	469	989	190	289
South Fork Holmes Creek	209	432	226	271

Note A - Combines with another drainage before reaching I-15.

Table 3.1 Davis County and Vicinity USGS Gage Records									
	STATION	AREA	2-YR	10-YR	100-YR	FEMA SNOW 100-YEAR	2Y/ SQ M	10Y/ SQ M	100Y/ SQ M
10143500	CENTERVILLE CREEK NEAR CENTERVILLE	3.15	16	50	200	64	5	16	63
10172500	CITY CREEK NEAR SALT LAKE CITY	19.2	58	125	294	333	3	7	15
10172000	EMIGRATION CREEK NEAR SALT LAKE CITY	18.4	23	64	206	320	1	3	11
10142000	FARMINGTON CREEK NEAR FARMINGTON	10.0	137	332	600	184	14	33	60
10141500	HOLMES CREEK NEAR KAYSVILLE	2.49	20	60	200	52	8	24	80
10141400	HOWARD SLOUGH AT HOOPER	20.6	162	274	493	355	8	13	24
10145000	MILL CREEK AT BOUNTIFUL	8.79	38	120	435	163	4	14	49
10143000	PARRISH CREEK NEAR CENTERVILLE	2.08	16	40	150	44	8	19	72
10172200	RED BUTTE CREEK NEAR SALT LAKE CITY	7.25	14	54	254	137	2	7	35
10142500	RICKS CREEK NEAR CENTERVILLE	2.35	21	55	180	49	9	23	77
10144000	STONE CREEK NEAR BOUNTIFUL	4.48	38	100	370	88	8	22	83
10141393	STORM DRAIN AT SUNSET	0.80	23	96	467	N/A	29	120	584
10145126	STORM DRAIN TO MILL CREEK, BOUNTIFUL	0.87	25	71	232	N/A	29	82	267
10145125	STORM DRAIN E OF ORCH DR, BOUNTIFUL	1.50	35	102	334	N/A	23	68	223

4. PRECIPITATION RUNOFF ANALYSIS CRITERIA

4.1 Introduction

The COE computer program, HEC-1, is used for the calculation of flow hydrographs. Use of HEC-1 with a consistent unit graph for all hydrologic calculations will provide compatible results between the calculated peak flows from smaller developments and the larger watershed master plan in which they are located.

In order to minimize the potential for entering inappropriate or inconsistent input data and to aid the user in developing an error-free HEC-1 input file, the HEC-1 preprocessor, DCPRE, is provided. DCPRE uses HEC-1 compatible methods to generate, combine, and route hydrographs. The DCPRE program can be used for the analysis of existing drainage areas as well as design of drainage systems.

**Culverts at Frontage Road, I-15, UTA, UPRR & Legacy Hwy.
in Centerville City**

#	Description - North/South Location	Frontage Road	I-15	UTA	UPRR	Legacy Hwy.	DRG / UTA Trail	Sheep Road	Comments
1	800 South (Air Products - South Pl.)	42" RCP	42" RCP	-	-	DSB Culvert	DSB	N/A	Drains into Stone Barton Canal east of UTA
2	600 South (Air Products - North Pl.)	18" to 24" type unknown	18" to 24" type unknown	-	-	DSB Culvert	DSB	N/A	This culvert has been identified at the Stone Barton Canal but not on east side of F.R.
3	450 South (Tri-City)	24" CMP	24" CMP	New 24" RCP	24" RCP	DSB	DSB	N/A	Drains into D.C. Channel west of UPRR. Culvert needs to be found on east side of F.R.
4	Deuel Creek (400 South)	54" RCP & 6' x 4' Box Culvert	54" RCP & 6' x 4' Box Culvert	New 10' x 3' Box Culvert & 54" RCP	10' x 2' Bridge & 54" RCP	DSB	DSB	N/A	Drains into new Deuel Creek Channel west of UPRR and then to DSB
5	UDOT system at south PL of Lund Rover	unknown	18" CMP	-	-	-	-	-	Drains into Syro Steel system beneath UTA / UPRR
6	Lone Star - Syro Steel	24" CMP - needs upsized	24" CMP - needs upsized	New 36" SSP	New 36" SSP	48"	48"	2 - 36"	Proposed upsized of culvert at F.R. - I-15 to 36" RCP - this drainage ends up behind Legacy Hwy
7	36" System along north side of Parrish Lane	36" RCP	36" CMP - needs replaced	36" CMP - needs replaced	36" CMP - needs replaced	48"	48" RCP	36" RCP - 500' north	the new 48" system was installed at DRG by City
8	McDonald's north PL	24" CMP - needs upsized	30" CMP - needs replaced	New 42" SSP	New 42" SSP	48"	2 - 48" CMP at 725 N.	4 - 36" CMP at 725 N.	System through Jett Taylor's and along 650 North needs to be upsized and replaced
9	Creekview Drive	24" CMP - needs replaced	24" CMP - needs replaced	-	-	-	-	-	combines with McDonald's system east of UTA
10	Parrish Creek	New 48" RCP	42" CMP - needs replaced	New 36" RCP	36" RCP	54"	Goes to 725 N. systems	Goes to 725 N. systems	if this system overflows west of F.R. it would go to McDonald's system
11	Chase Lane Overflow	54" RCP	54" RCP	54" RCP & New 54" SSP	54" RCP & New 54" SSP	New 22' x 4' Box Culvert - verify	72' x 44' CMP Need new large culvert	36" ADS Need new large culvert	restriction at F.R. - I-15, and 950 West compared to UTA, UPRR & Legacy Hwy. - also need new system at DRG and Sheep Road
12	Barnard Creek	New 36" RCP	15" to 24" CMP	New 30" SSP	New 30" SSP	42"	36" CMP	2 - 36" ADS	24" system beneath UDOT shed properly needs upsized to 36" and possibly no easement
13	Community Park South	42" CMP	42" CMP	New 42" SSP	New 42" SSP	42"	36" CMP	2 - 36" ADS	additional culvert needed at DRG
14	Community Park North	24" CMP	24" CMP	24" CMP	24" CMP	42" (combined with 14)	18" CMP	36" ADS	drains into diagonal ditch
15	Sub-drain Station	18" CMP or RCP?	18" CMP or RCP?	24" CMP	24" CMP	42" (combined with 14)	-	-	Drains into diagonal ditch - outlet grade is too low
16	Ricks Creek	New 10' x 3' Box Culvert	42" CMP - needs upsized	New 2 - 48" SSP	New 2 - 48" SSP	5' x 12' Box Culvert - verify	72' x 44' CMP & 36" CMP	3 - 36" CMP	additional culverts needed at DRG and Sheep Road
17	Villa de France	24" CMP - needs replaced	24" CMP - needs replaced	24" RCP	24" RCP	24" ADS - verify	-	-	combines with Lexington drainage west of UPRR
18	Lexington Park	24" CMP - needs replace	24" CMP - needs replaced	New 24" SSP	New 24" SSP	24" ADS - verify	24" RCP - needs upsized	12" CMP - needs upsized	need new 36" systems at DRG and Sheep Road
19	Abe Miller & South PL of Woods	24" CMP	24" CMP	-	-	-	-	-	both systems overflow east of UTA and go to Lexington system or sub beneath UTA/UPRR
20	Lund Lane	24" CMP - needs upsized	24" CMP - needs upsized	24" RCP - needs upsized	12" CMP - needs upsized	36" ADS	-	-	Flows into Farmington and crosses DRG and Sheep Road in Davis Creek system

36" SSP 36" SSP 36" SSP 36" SSP
Centerville City - Storm Drain Master Plan Update 2013
ESI Engineering, Inc

Appendix A

Centerville City Storm Drain Area Maps

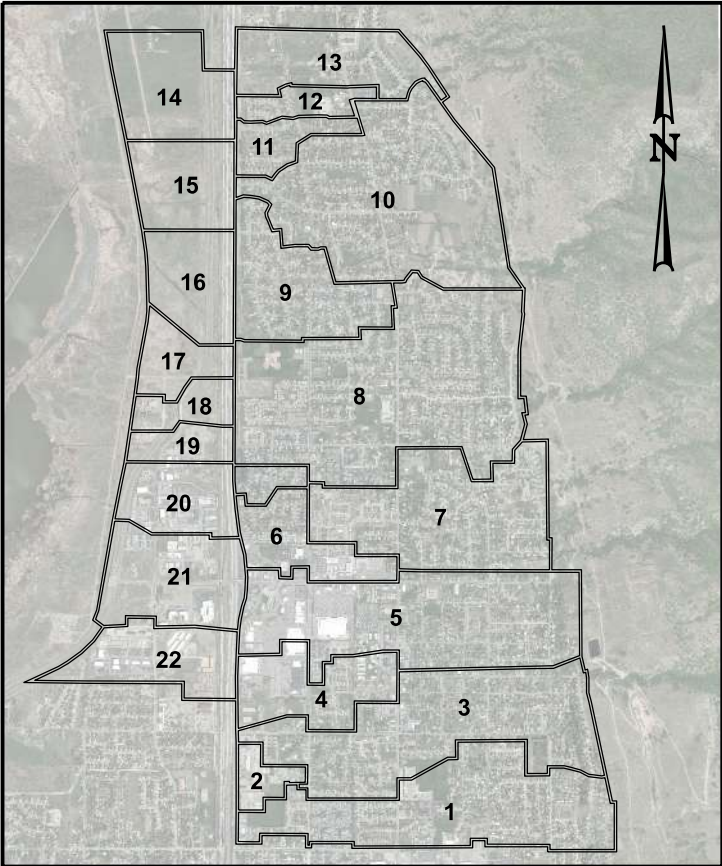
PIPE SIZE (IN INCHES)

	COUNTY
	PRIVATE
	STATE
	4
	6
	8
	10
	12
	15
	18
	21
	24
	30
	36
	42
	48
	54
	60
	72

DRAINAGE AREA STATISTICS

DRAINAGE AREA 1 = 239.1 AC
DRAINAGE AREA 2 = 27.0 AC
DRAINAGE AREA 3 = 267.9 AC
DRAINAGE AREA 4 = 97.6 AC
DRAINAGE AREA 5 = 283.4 AC
DRAINAGE AREA 6 = 76.9 AC
DRAINAGE AREA 7 = 240.6 AC
DRAINAGE AREA 8 = 419.6 AC
DRAINAGE AREA 9 = 132.5 AC
DRAINAGE AREA 10 = 333.7 AC
DRAINAGE AREA 11 = 42.6 AC
DRAINAGE AREA 12 = 35.4 AC
DRAINAGE AREA 13 = 108.0 AC
DRAINAGE AREA 14 = 112.7 AC
DRAINAGE AREA 15 = 85.7 AC
DRAINAGE AREA 16 = 85.1 AC
DRAINAGE AREA 17 = 49.7 AC
DRAINAGE AREA 18 = 37.8 AC
DRAINAGE AREA 19 = 35.2 AC
DRAINAGE AREA 20 = 77.4 AC
DRAINAGE AREA 21 = 124.3 AC
DRAINAGE AREA 22 = 96.5 AC

CITY AERIAL



INDEX TO SHEETS

SHEET NO.	DESCRIPTION
1	LEGEND & SHEET INDEX
2	OVERALL STORM DRAIN MASTER PLAN & DRAINAGE AREAS
3	STORM DRAINAGE AREAS 1 & 2
4	STORM DRAINAGE AREAS 3 & 4
5	STORM DRAINAGE AREA 5
6	STORM DRAINAGE AREAS 6 & 7
7	STORM DRAINAGE AREA 8
8	STORM DRAINAGE AREA 9
9	STORM DRAINAGE AREA 10
10	STORM DRAINAGE AREAS 11, 12, & 13
11	STORM DRAINAGE AREAS 14 & 15
12	STORM DRAINAGE AREAS 16 & 17
13	STORM DRAINAGE AREAS 18, 19, & 20
14	STORM DRAINAGE AREAS 21 & 22
15	OVERALL SUB-SURFACE MASTER PLAN & DRAINAGE AREAS
16	SUB-DRAIN DRAINAGE AREA 1
17	SUB-DRAIN DRAINAGE AREA 2
18	SUB-DRAIN DRAINAGE AREA 3

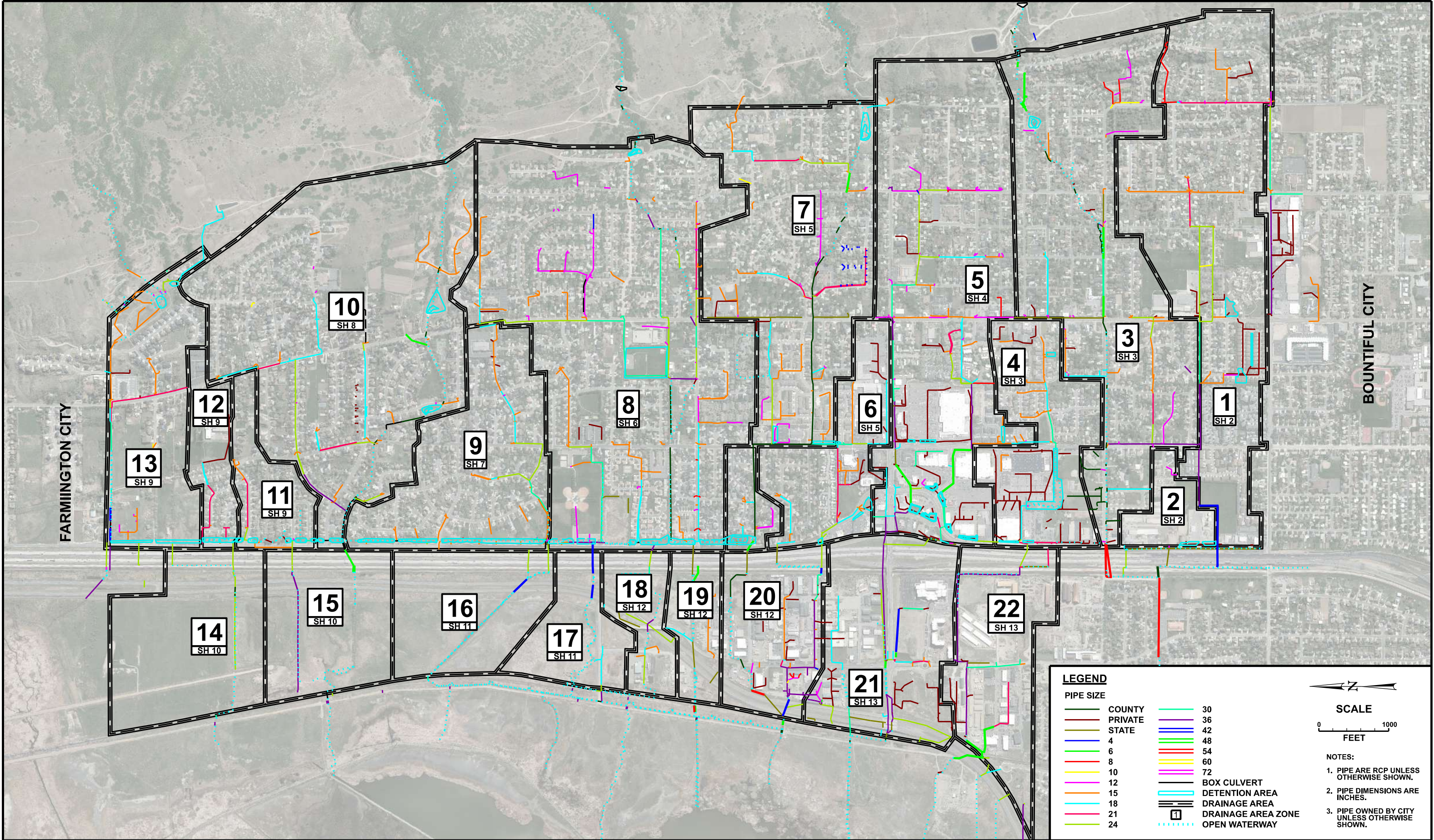
SURFACE FEATURES

	BOX CULVERT
	DETENTION AREA
	DRAINAGE AREA
1	DRAINAGE AREA ZONE
	OPEN WATERWAY

ABBREVIATIONS

CMP	CORRUGATED METAL PIPE
DC	DAVIS COUNTY
HDPE	HIGH DENSITY POLYETHYLENE
PVC	POLY VINYL CHLORIDE
RCP	REINFORCED CONCRETE PIPE
SH	SHEET NUMBER
SLPC	SMOOTH LINED PIPE CULVERT

REVISION	DATE	BY	DESCRIPTION	DESIGN	LEGEND & SHEET INDEX	CENTERVILLE CITY STORM DRAIN MASTER PLAN	ESI ESI ENGINEERING CIVIL - STRUCTURAL - LAND SURVEY 4141 WEST 2100 SOUTH, SUITE 100 WEST VALLEY, UTAH 84120 TEL: (801) 263-1752	SHEET <u> 1 </u> OF <u> 18 </u> PROJECT NO. <u> 20-131 </u>
				DRAWN PSB				
				CHECKED PSB				
				DATE KLC				
				06/05/2023				



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				DATE
				06/05/2023

OVERALL STORM DRAIN MASTER PLAN
& DRAINAGE AREAS

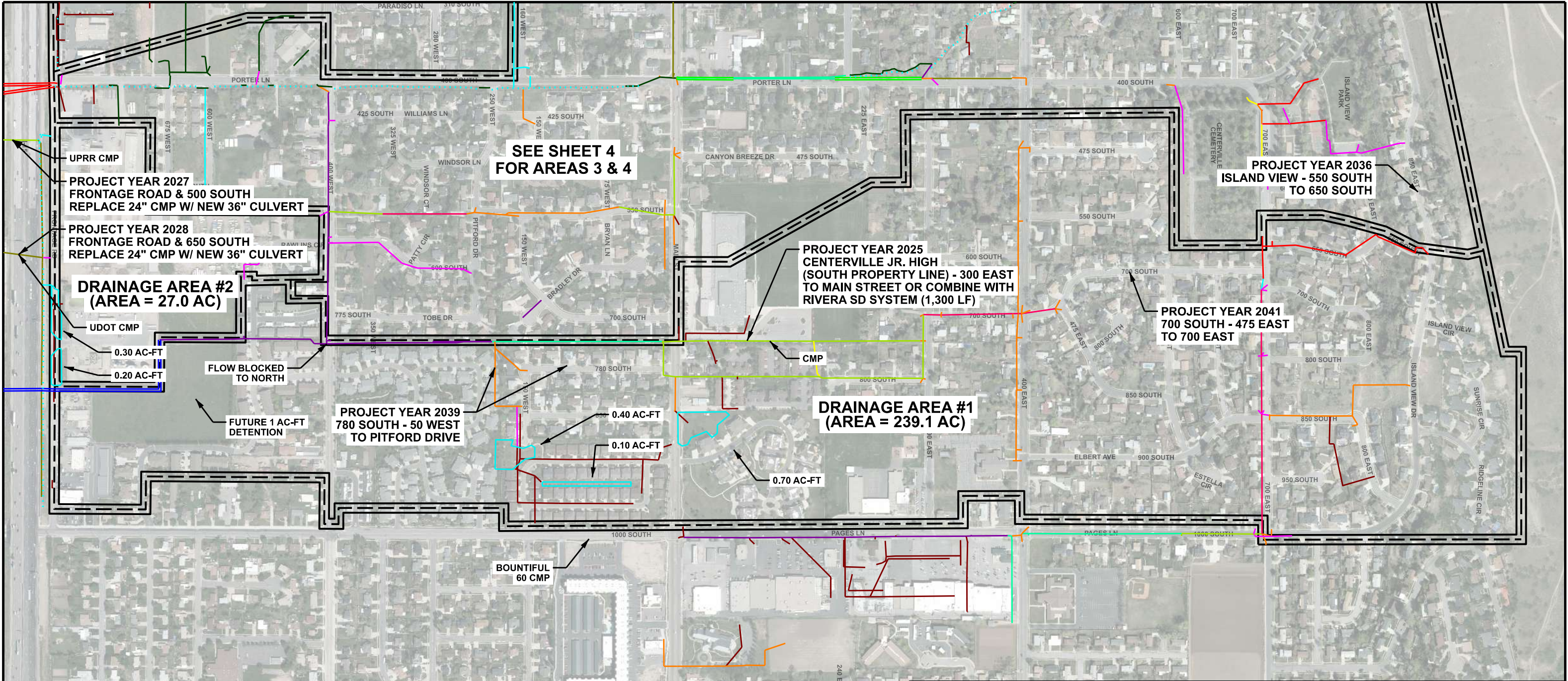
CENTERVILLE CITY
STORM DRAIN MASTER PLAN



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SHEET 2
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PROJECT NO.
20-131



LEGEND

PIPE SIZE	
—	COUNTY
—	PRIVATE
—	STATE
—	4
—	6
—	8
—	10
—	12
—	15
—	18
—	21
—	24
—	30
—	36
—	42
—	48
—	54
—	60
—	72
—	BOX CULVERT
—	DETENTION AREA
—	DRAINAGE AREA
—	OPEN WATERWAY
—	CORRUGATED METAL PIPE
—	DAVIS COUNTY
—	HDPPE
—	PVC
—	RCP
—	SLPC

KEY MAP

SCALE

0 500 FEET

NOTES:

- PIPE ARE RCP UNLESS OTHERWISE SHOWN.
- PIPE DIMENSIONS ARE INCHES.
- PIPE OWNED BY CITY UNLESS OTHERWISE SHOWN.

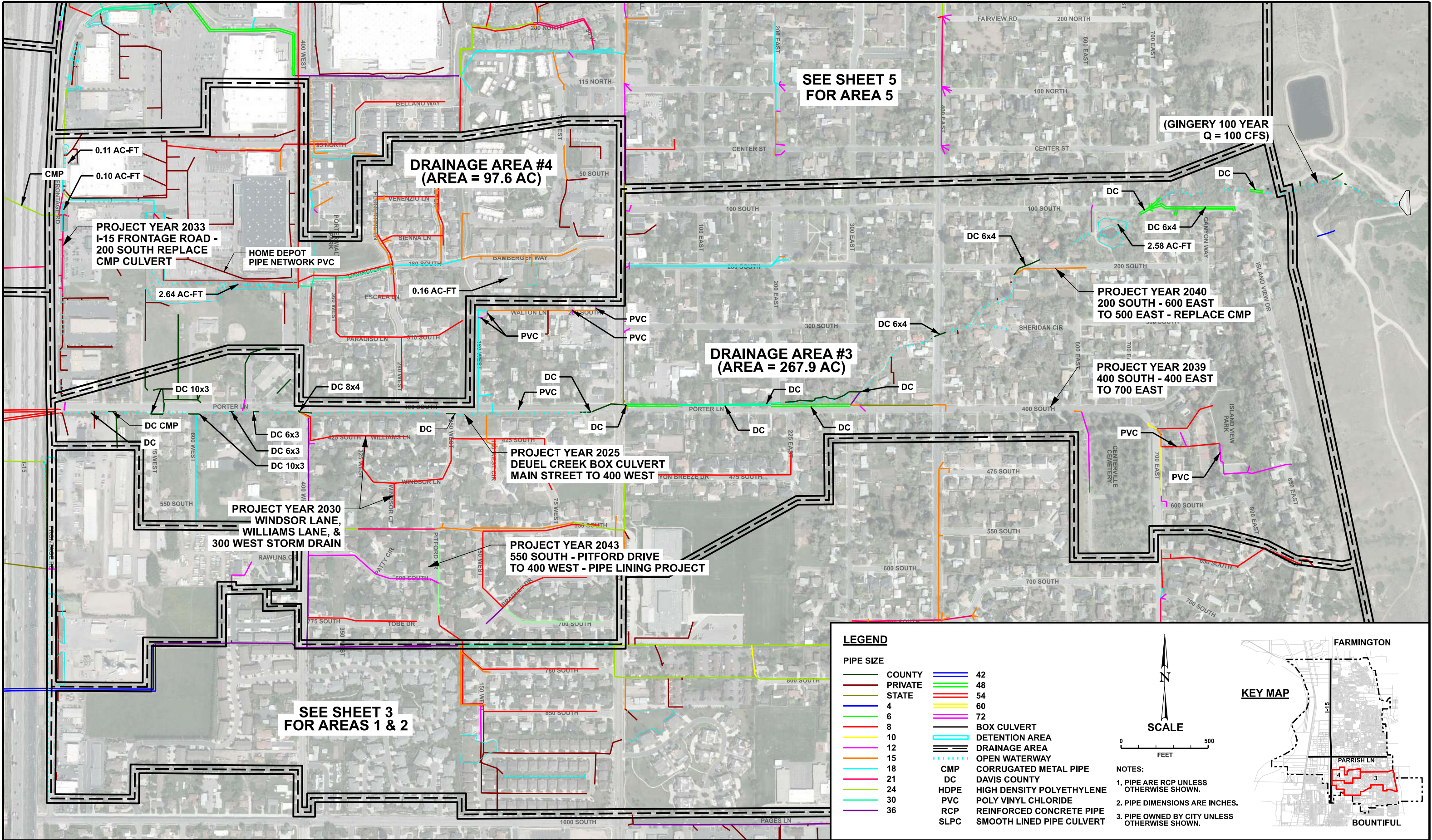
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STORM DRAINAGE AREAS 1 & 2

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STORM DRAINAGE AREAS 3 & 4

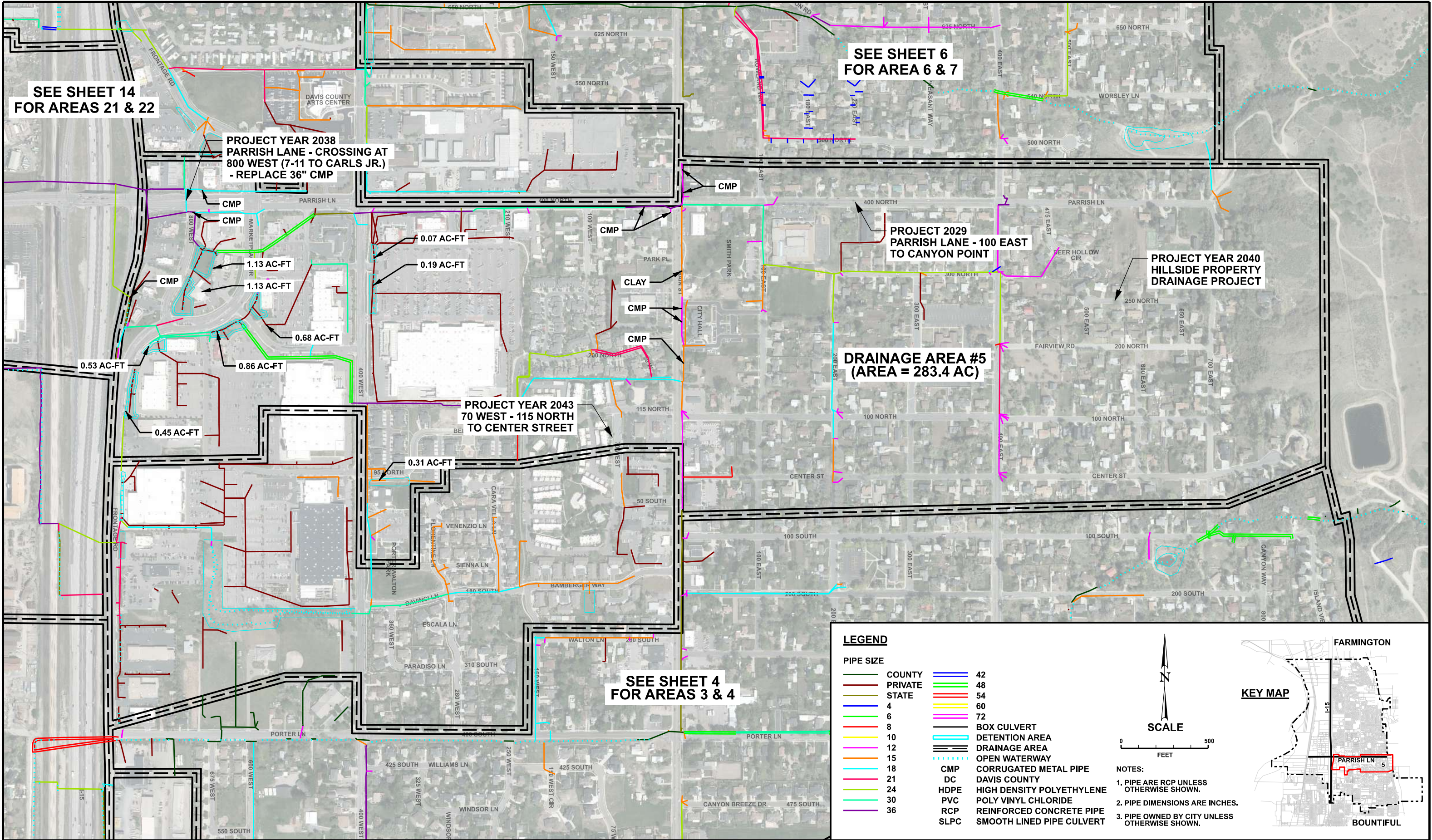
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STORM DRAINAGE AREA 5

CENTERVILLE CITY
STORM DRAIN MASTER PLAN

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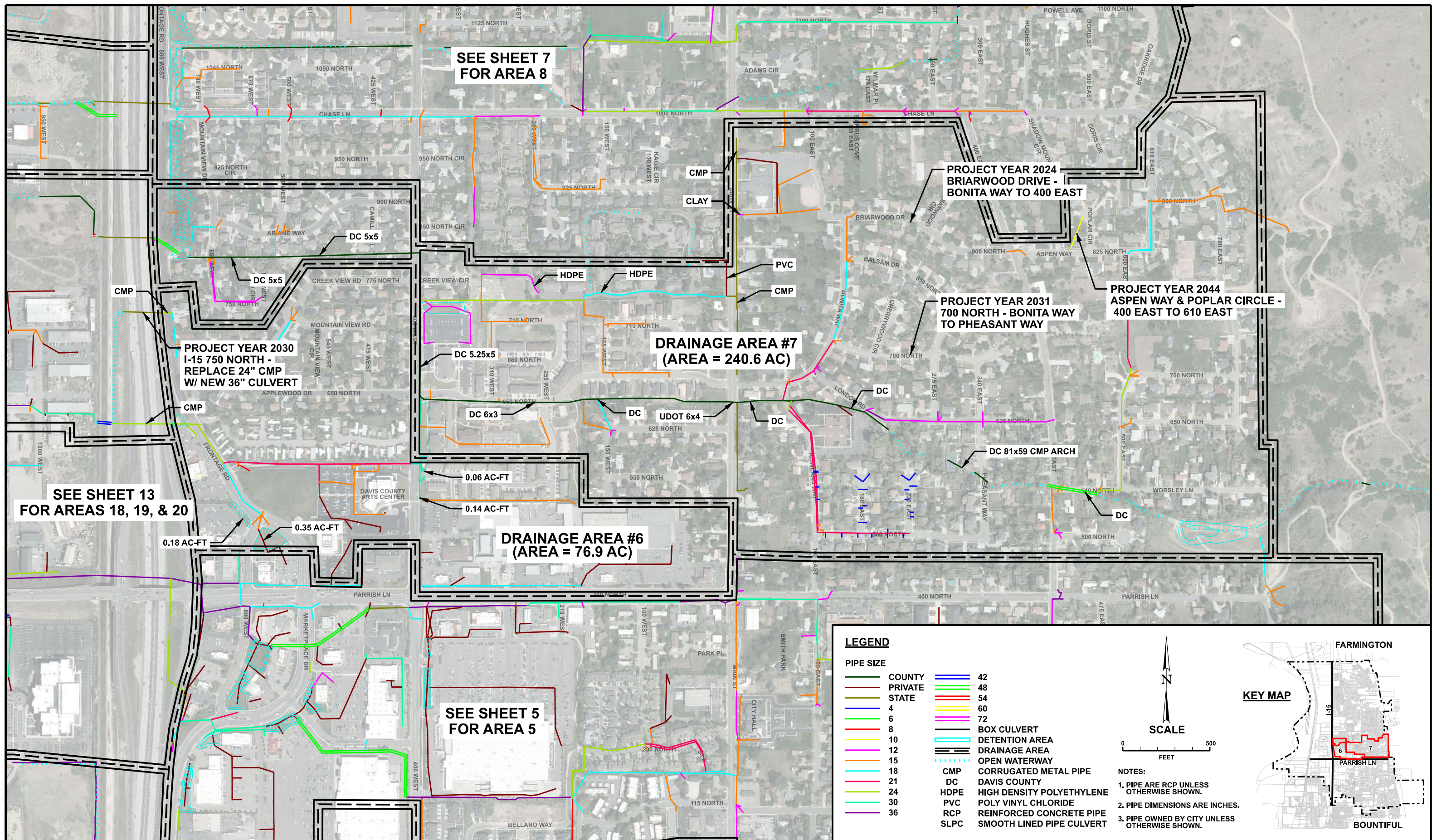
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SHEET 5

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STORM DRAINAGE AREAS 6 & 7

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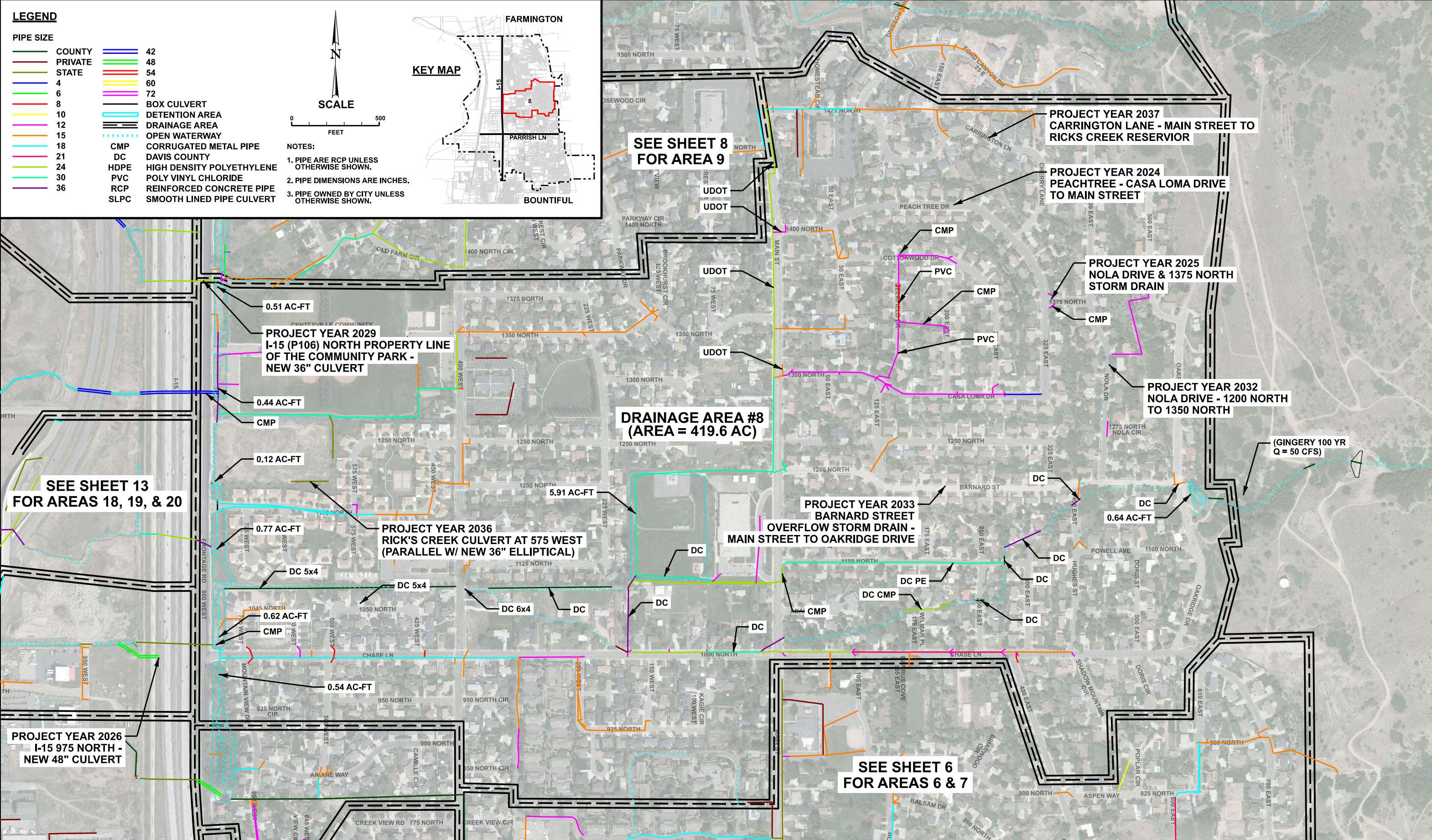
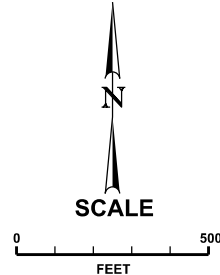
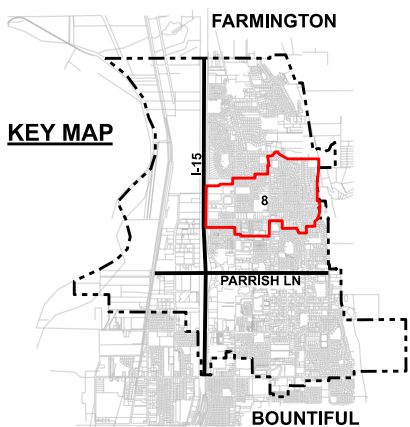
SHEET 6
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PROJECT NO.
20-131

LEGEND

PIPE SIZE

COUNTY	42
PRIVATE	48
STATE	54
4	60
6	72
8	BOX CULVERT
10	DETENTION AREA
12	DRAINAGE AREA
15	OPEN WATERWAY
18	CMP CORRUGATED METAL PIPE
21	DC DAVIS COUNTY
24	HDPE HIGH DENSITY POLYETHYLENE
30	PVC POLY VINYL CHLORIDE
36	RCP REINFORCED CONCRETE PIPE
	SLPC SMOOTH LINED PIPE CULVERT

- NOTES:
1. PIPE ARE RCP UNLESS OTHERWISE SHOWN.
 2. PIPE DIMENSIONS ARE INCHES.
 3. PIPE OWNED BY CITY UNLESS OTHERWISE SHOWN.



REVISION	DATE	BY	DESCRIPTION

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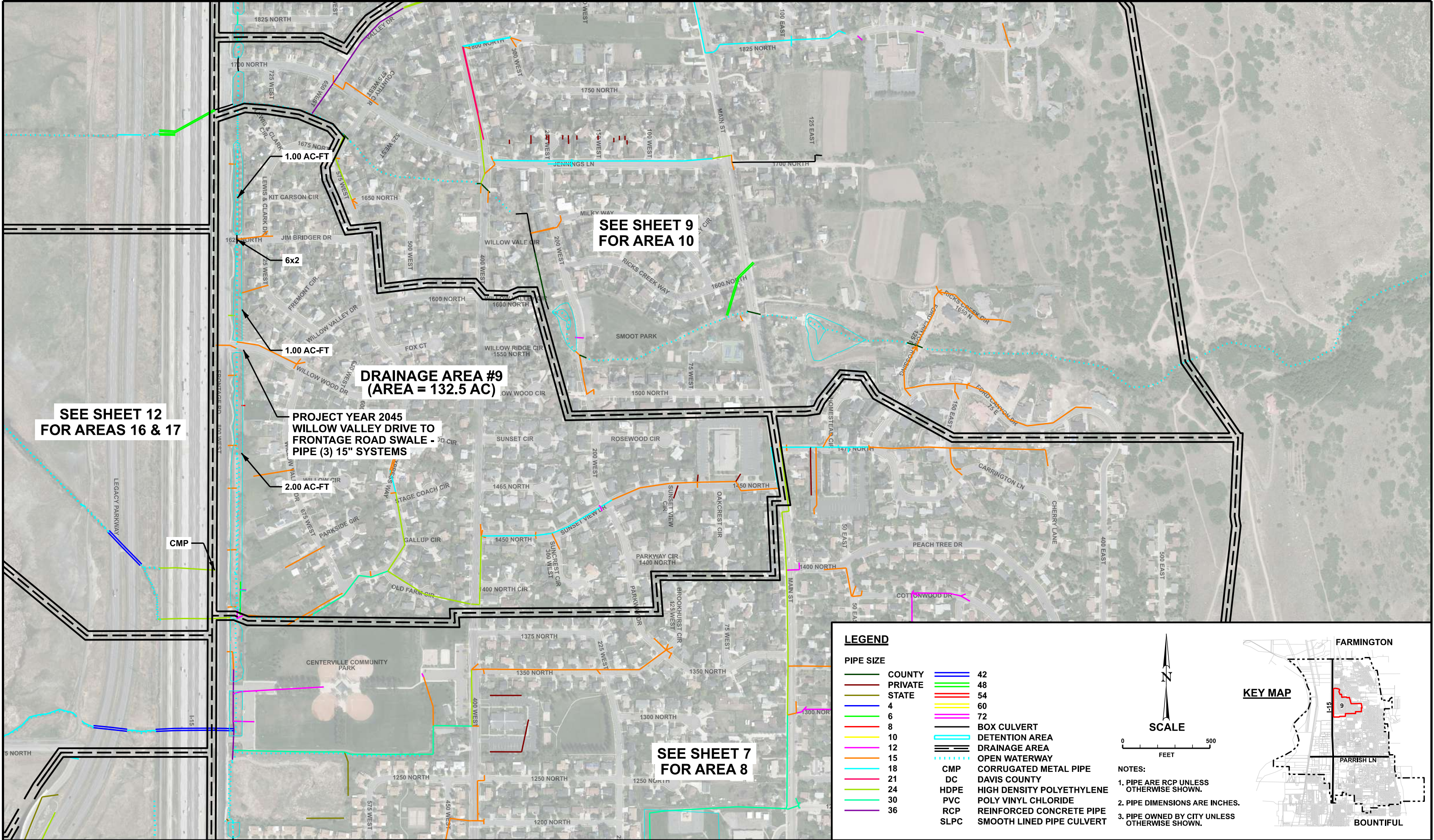
STORM DRAINAGE AREA 8

CENTERVILLE CITY
STORM DRAIN MASTER PLAN



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STORM DRAINAGE AREA 9

CENTERVILLE CITY
STORM DRAIN MASTER PLAN

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PROJECT NO.

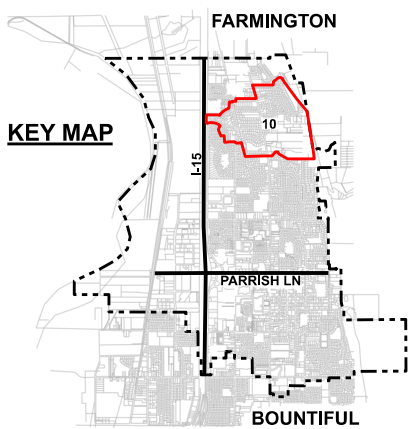
20-131

LEGEND

PIPE SIZE

COUNTY	42
PRIVATE	48
STATE	54
4	60
6	72
8	BOX CULVERT
10	DETENTION AREA
12	DRAINAGE AREA
15	OPEN WATERWAY
18	CMP CORRUGATED METAL PIPE
21	DC DAVIS COUNTY
24	HDPE HIGH DENSITY POLYETHYLENE
30	PVC POLY VINYL CHLORIDE
36	RCP REINFORCED CONCRETE PIPE
	SLPC SMOOTH LINED PIPE CULVERT

- NOTES:
1. PIPE ARE RCP UNLESS OTHERWISE SHOWN.
 2. PIPE DIMENSIONS ARE INCHES.
 3. PIPE OWNED BY CITY UNLESS OTHERWISE SHOWN.



SEE SHEET 10
FOR AREAS 11, 12 & 13

PROJECT YEAR 2046
1975 NORTH - MAIN STREET
TO 150 EAST

PROJECT YEAR 2046
1825 NORTH - MAIN STREET
TO 300 EAST

PROJECT YEAR 2045
MAIN STREET - 1600 NORTH
TO SMOOT PARK

(GINGERY 100 YR
Q = 150 CFS)

DRAINAGE AREA #10
(AREA = 333.7 AC)

SEE SHEET 9
FOR AREA 10

SEE SHEET 8
FOR AREA 9

0.14 AC-FT

0.38 AC-FT

DC 10x3

DC CMP
81x59 ARCH

DC CMP
CONCRETE
LINED BOTTOM

1.16 AC-FT

DC CMP

CMP

DC 72 CMP

6.68 AC-FT

REVISION	DATE	BY	DESCRIPTION

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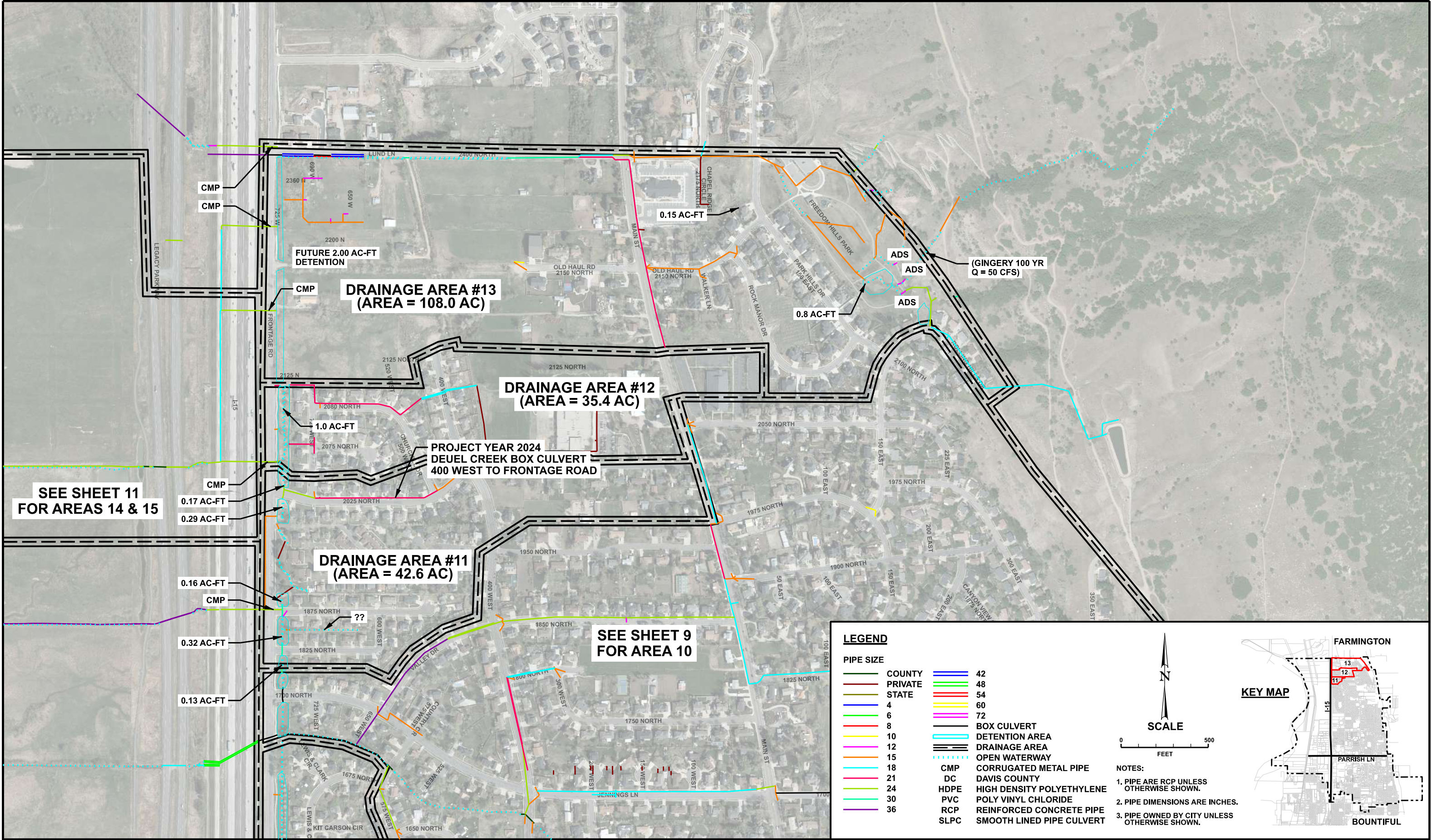
STORM DRAINAGE AREA 10

CENTERVILLE CITY
STORM DRAIN MASTER PLAN



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SEE SHEET 11
FOR AREAS 14 & 15

DRAINAGE AREA #11
(AREA = 42.6 AC)

DRAINAGE AREA #12
(AREA = 35.4 AC)

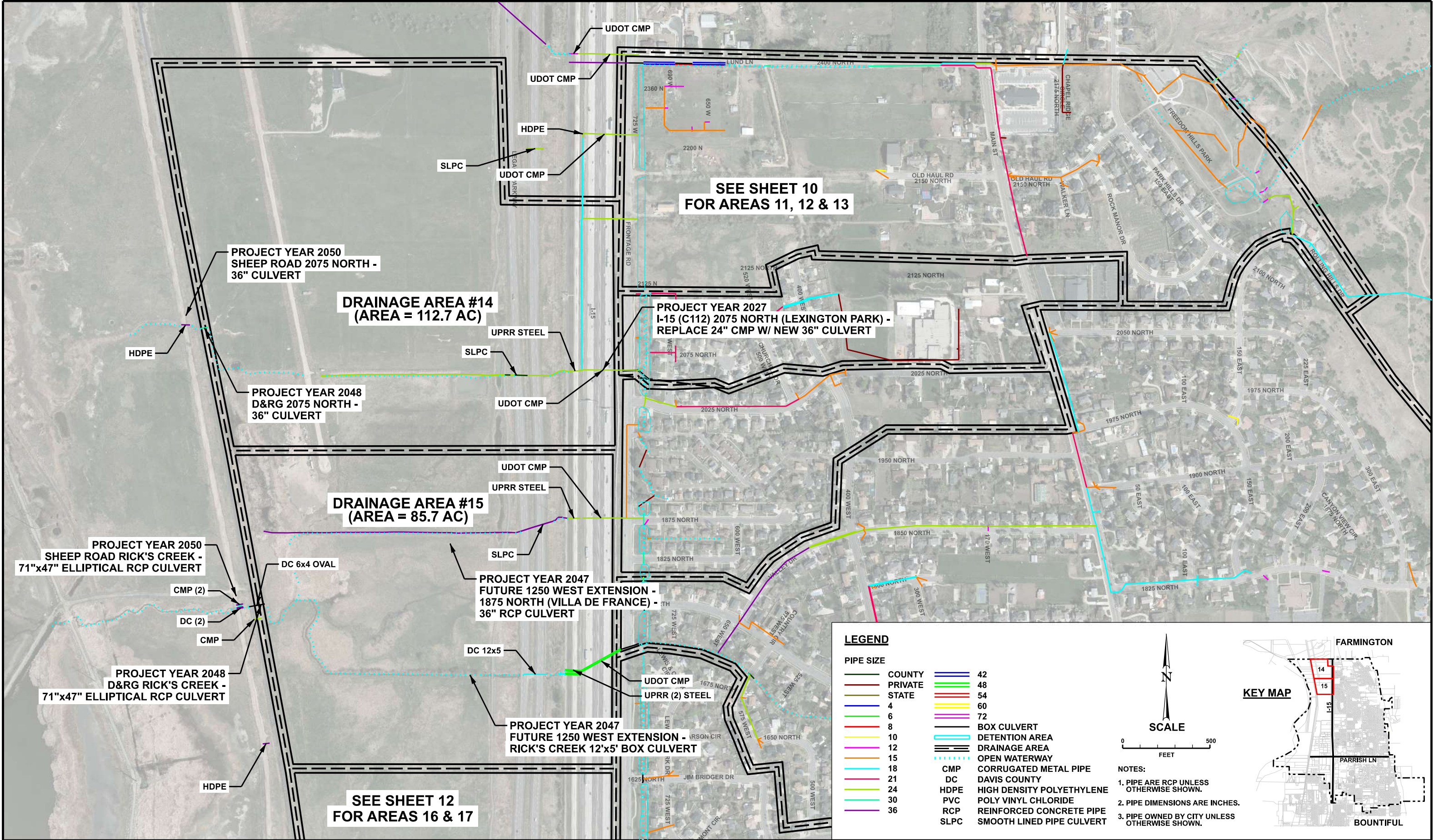
DRAINAGE AREA #13
(AREA = 108.0 AC)

PROJECT YEAR 2024
DEVEL CREEK BOX CULVERT
400 WEST TO FRONTAGE ROAD

SEE SHEET 9
FOR AREA 10

LEGEND

PIPE SIZE			
	COUNTY		42
	PRIVATE		48
	STATE		54
	4		60
	6		72
	8		BOX CULVERT
	10		DETENTION AREA
	12		DRAINAGE AREA
	15		OPEN WATERWAY
	18		CORRUGATED METAL PIPE
	21		DAVIS COUNTY
	24		HIGH DENSITY POLYETHYLENE
	30		POLY VINYL CHLORIDE
	36		REINFORCED CONCRETE PIPE
			SMOOTH LINED PIPE CULVERT

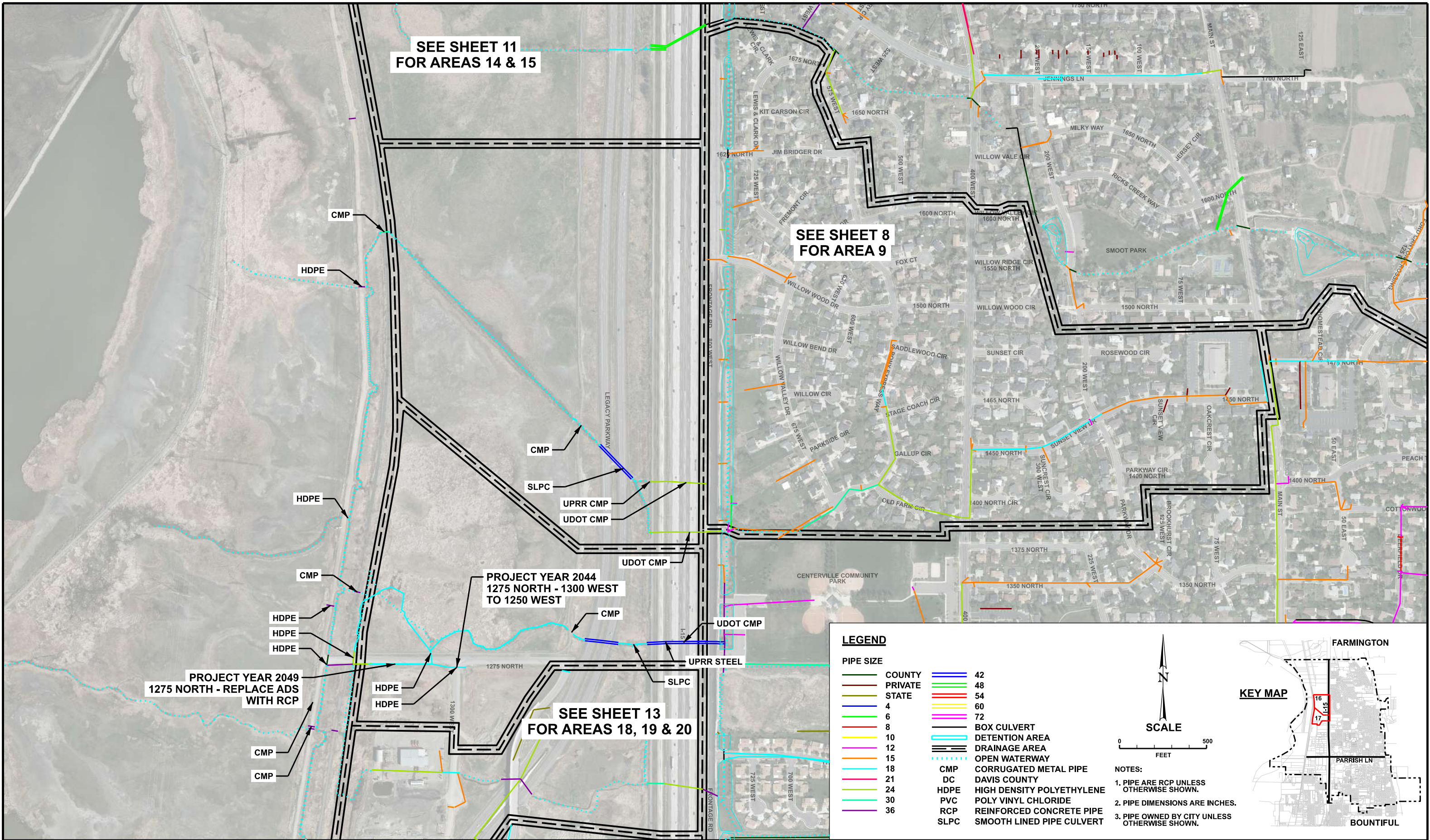


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				KLC
				DATE
				06/05/2023

STORM DRAINAGE AREAS 14 & 15	
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CENTERVILLE CITY STORM DRAIN MASTER PLAN	
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	SHEET	11
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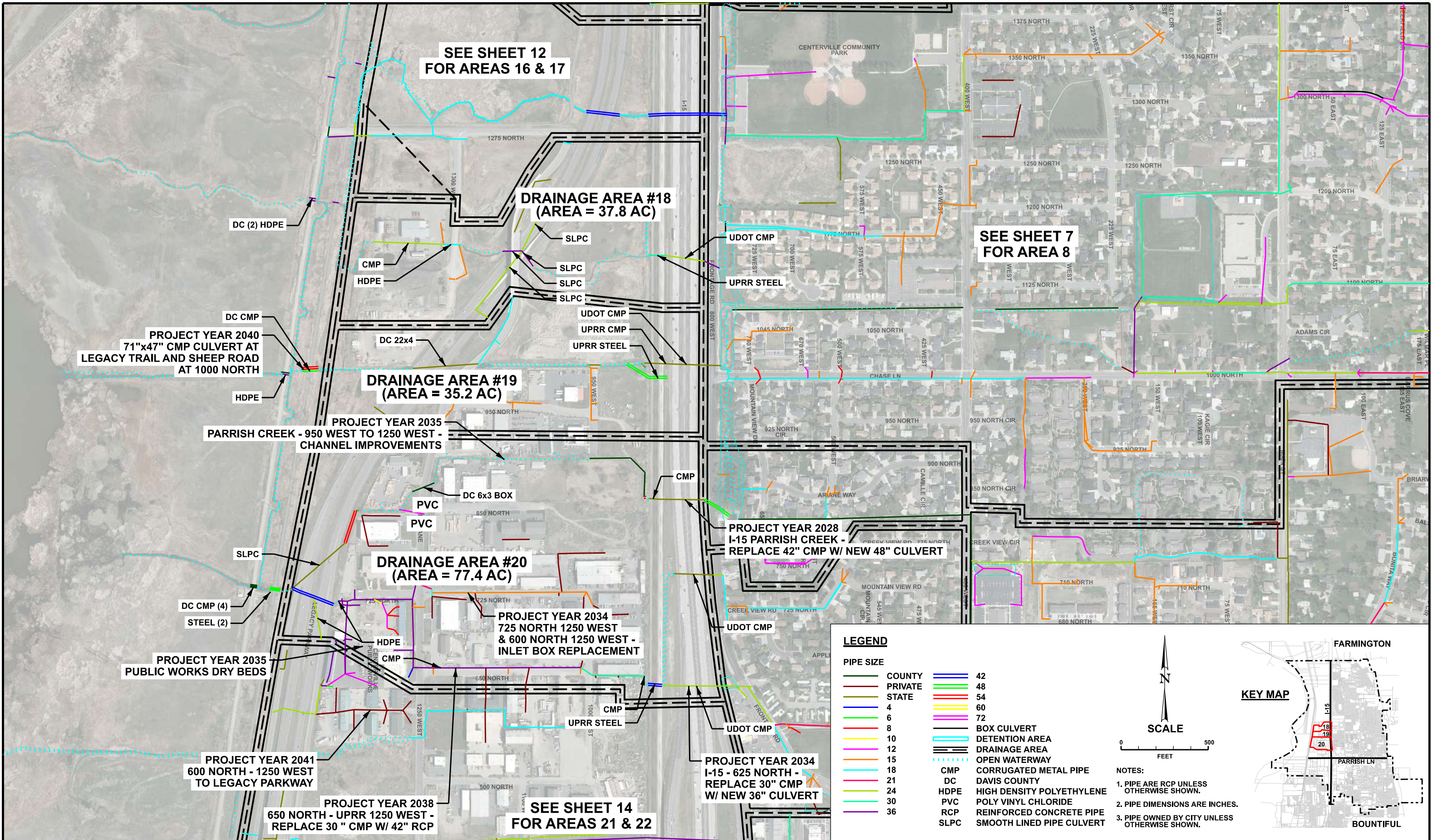
STORM DRAINAGE AREAS 16 & 17

**CENTERVILLE CITY
STORM DRAIN MASTER PLAN**



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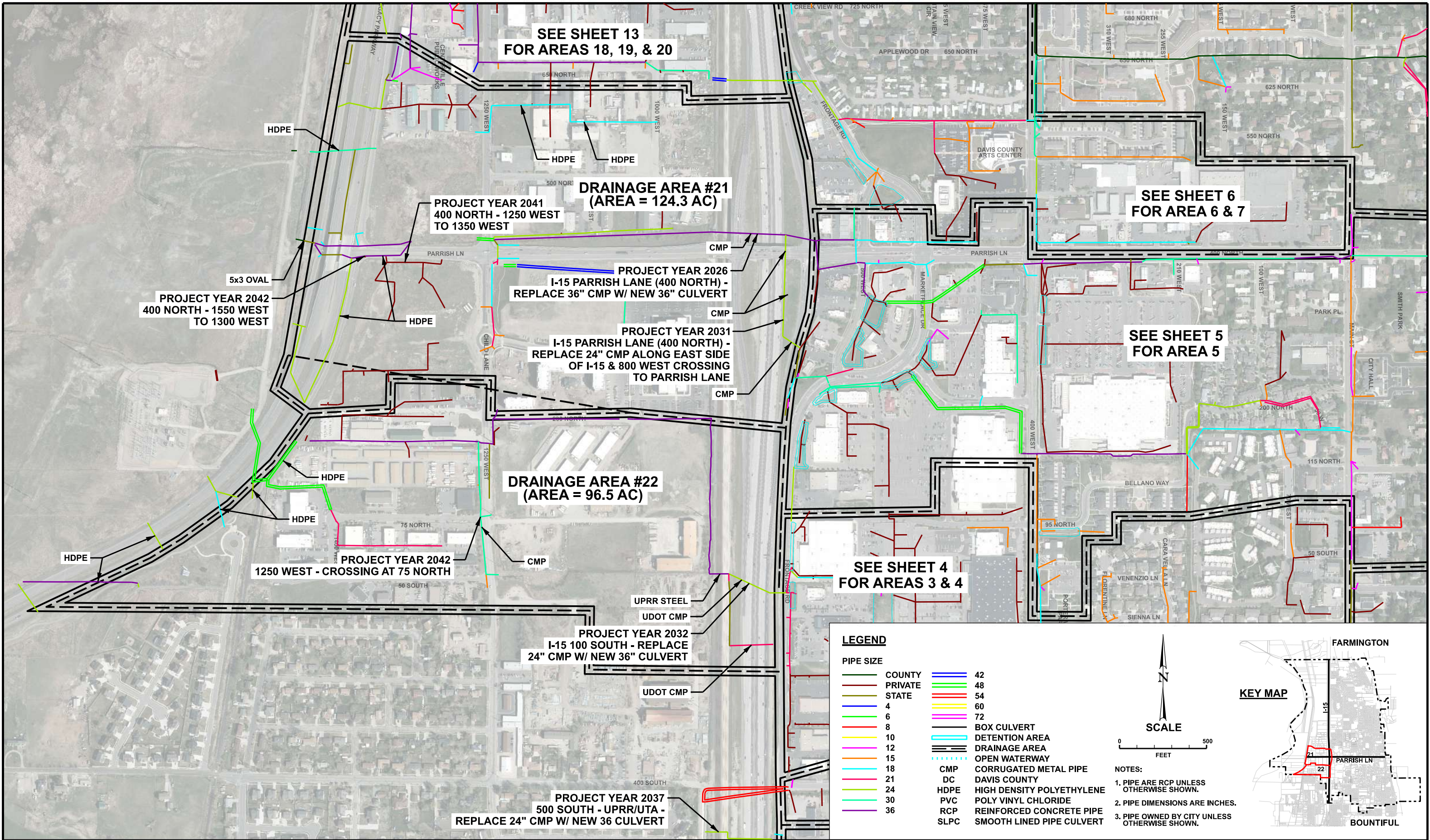
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DESIGN	PSB
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DATE	06/05/2023

STORM DRAINAGE AREAS 18, 19, & 20

CENTERVILLE CITY STORM DRAIN MASTER PLAN

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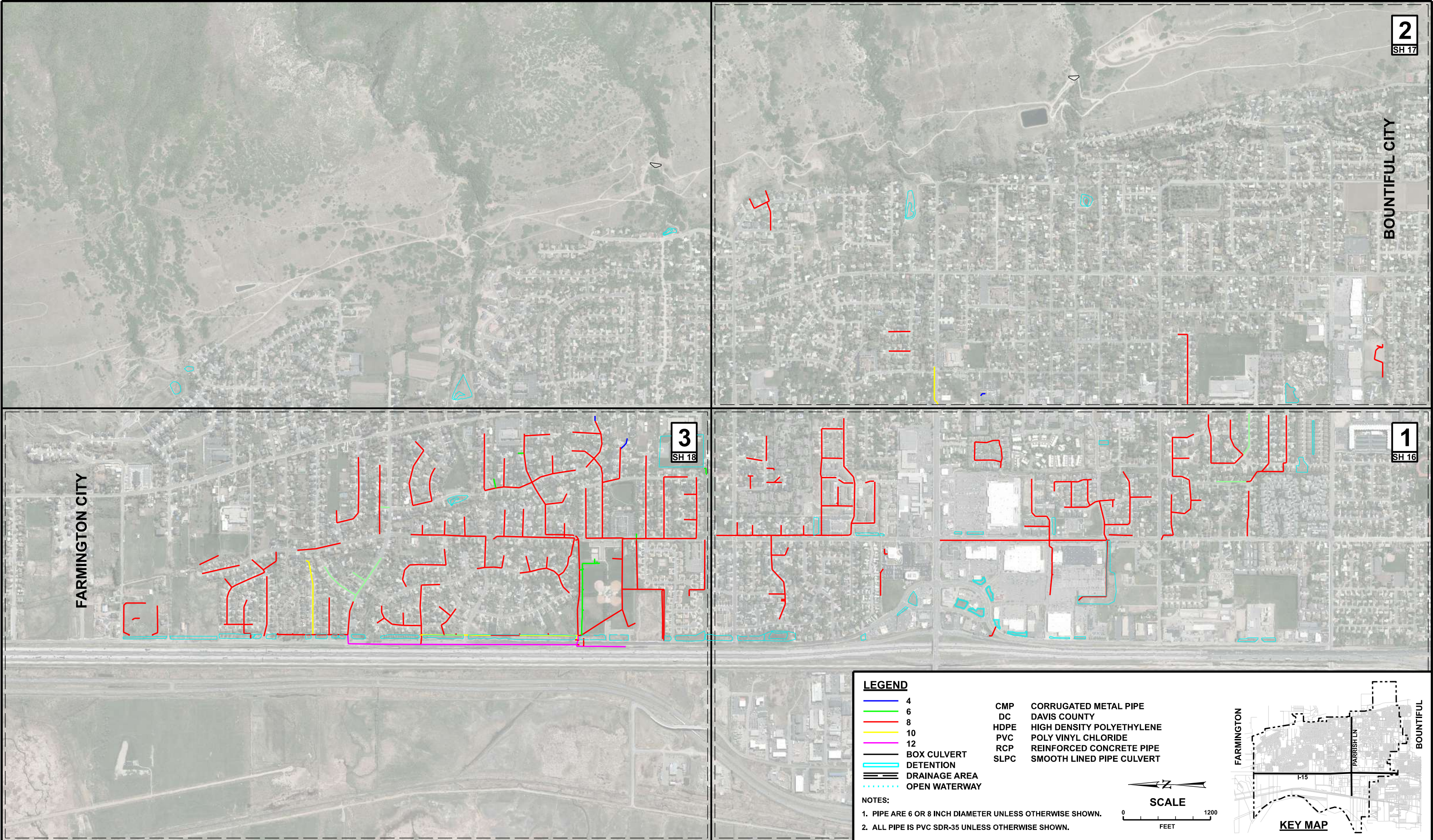


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				PSB
				KLC
				DATE
				06/05/2023

STORM DRAINAGE AREAS 21 & 22

CENTERVILLE CITY STORM DRAIN MASTER PLAN

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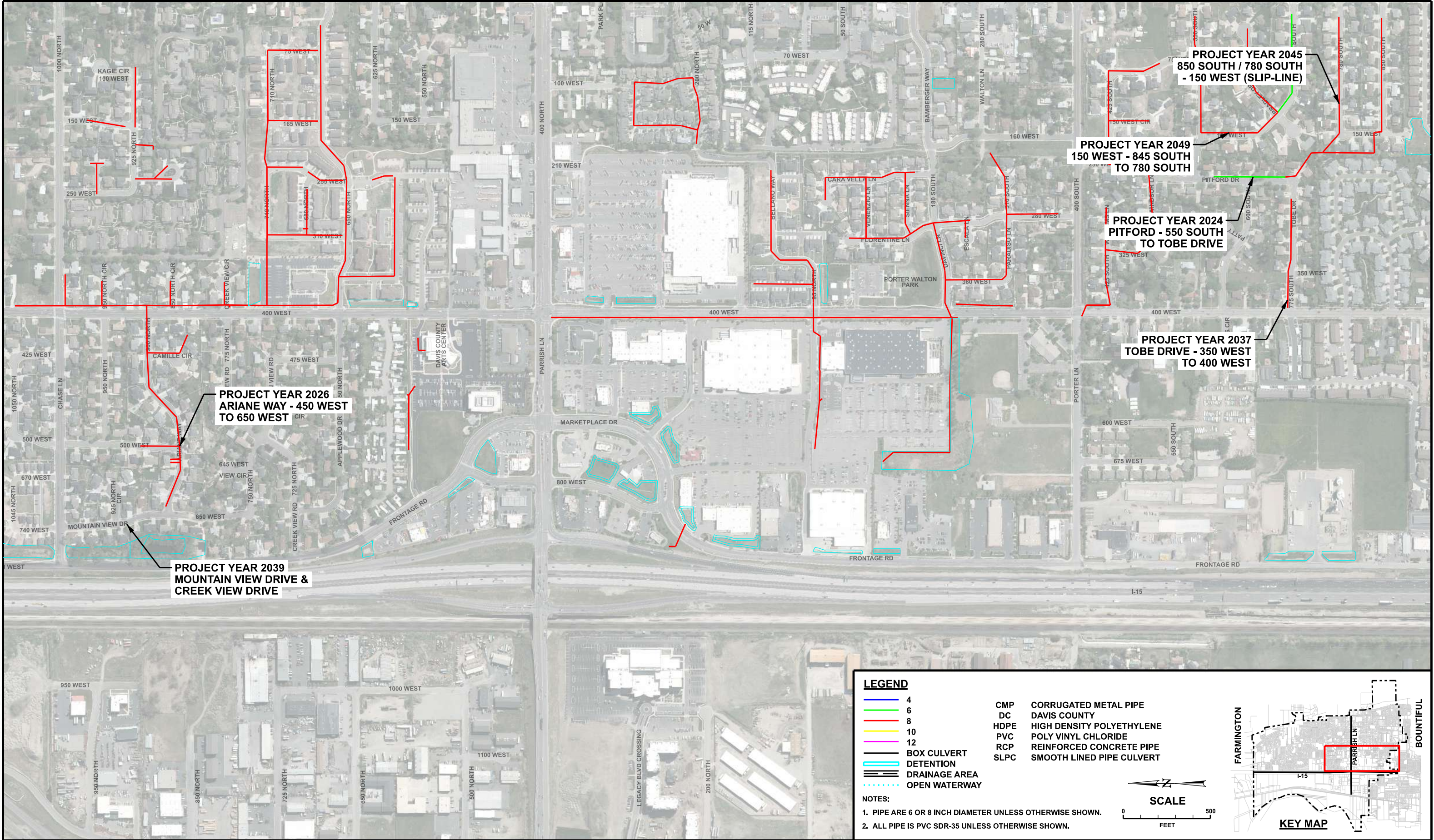
OVERALL SUB-SURFACE
MASTER PLAN & DRAINAGE AREAS

CENTERVILLE CITY
STORM DRAIN MASTER PLAN



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				06/05/2023

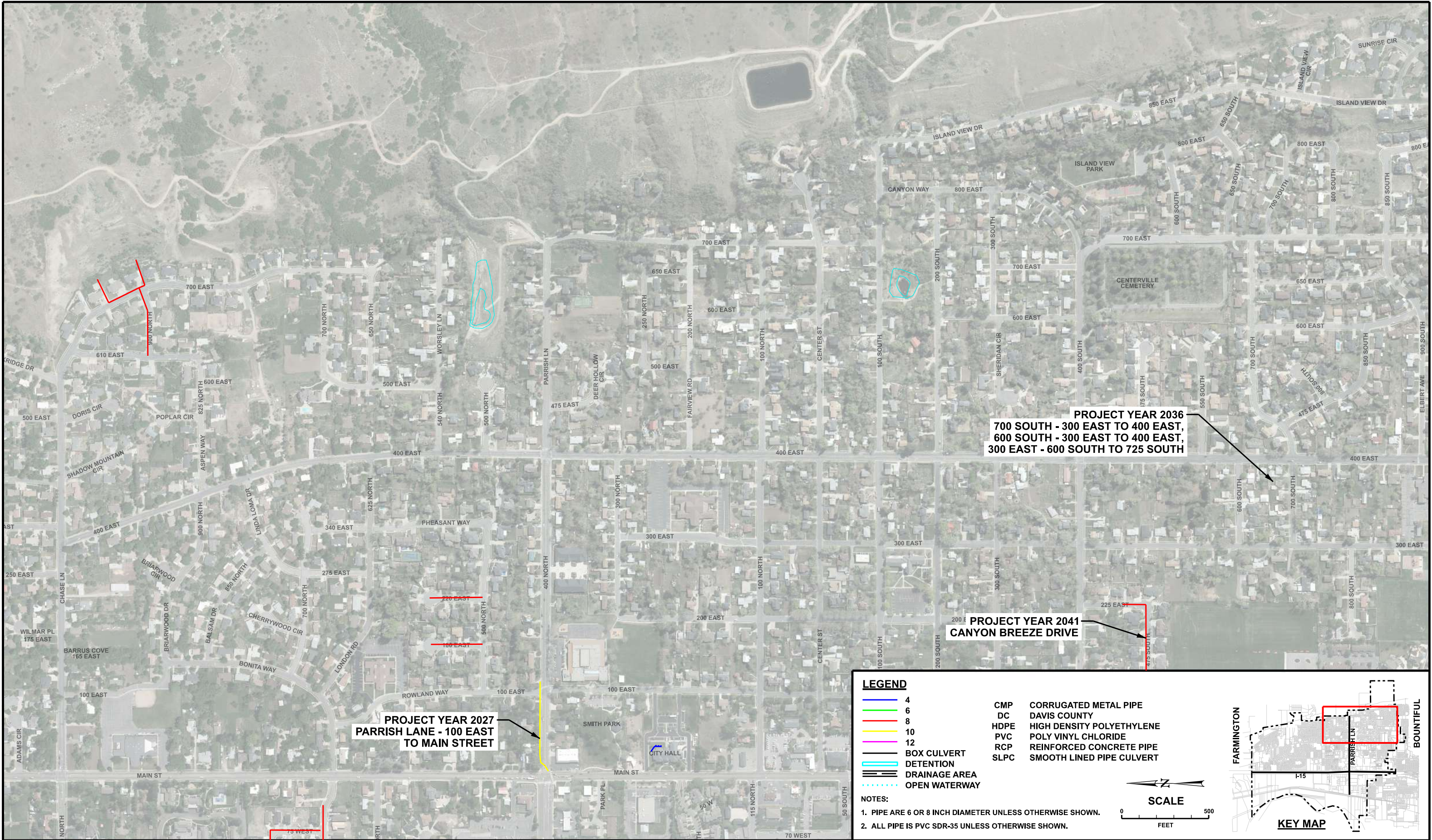
SUB-DRAIN DRAINAGE AREA 1	
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CENTERVILLE CITY STORM DRAIN MASTER PLAN	
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LEGEND

4	CMP	CORRUGATED METAL PIPE
6	DC	DAVIS COUNTY
8	HDPE	HIGH DENSITY POLYETHYLENE
10	PVC	POLY VINYL CHLORIDE
12	RCP	REINFORCED CONCRETE PIPE
	SLPC	SMOOTH LINED PIPE CULVERT
		BOX CULVERT
		DETENTION
		DRAINAGE AREA
		OPEN WATERWAY

NOTES:

- PIPE ARE 6 OR 8 INCH DIAMETER UNLESS OTHERWISE SHOWN.
- ALL PIPE IS PVC SDR-35 UNLESS OTHERWISE SHOWN.

SCALE

0 500 FEET

KEY MAP

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DATE	06/05/2023

SUB-DRAIN DRAINAGE AREA 2

CENTERVILLE CITY STORM DRAIN MASTER PLAN

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SHEET 17
OF 18
PROJECT NO. 20-131

PROJECT YEAR 2047
FREEDOM HILLS PARK
SOUTH EAST CORNER
SUB-DRAIN & DUNCAN SPRING

PROJECT YEAR 2031
1600 NORTH (RICKS CREEK WAY) -
100 WEST TO 200 WEST

PROJECT YEAR 2032
1650 NORTH (MILKY WAY) -
100 WEST TO 200 WEST

PROJECT YEAR 2044
100 WEST CUL-DE-SAC
ON 1450 NORTH

PROJECT YEAR 2029
1850 NORTH - 100 WEST
TO 400 WEST

PROJECT YEAR 2030
1500 NORTH CUL-DE-SAC
ON 400 WEST

PROJECT YEAR 2033
1800 NORTH - 300 WEST
TO 400 WEST

PROJECT YEAR 2043
400 WEST - 1500 NORTH
TO 1375 NORTH

PROJECT YEAR 2046
LUND LANE - 700 WEST
TO 200 WEST

PROJECT YEAR 2048
2100 NORTH - 400 WEST
TO CHURCHILL DRIVE
(IN BACKYARDS OF 2115 NORTH
& 2101 NORTH)

PROJECT YEAR 2050
2075 NORTH / 725 WEST

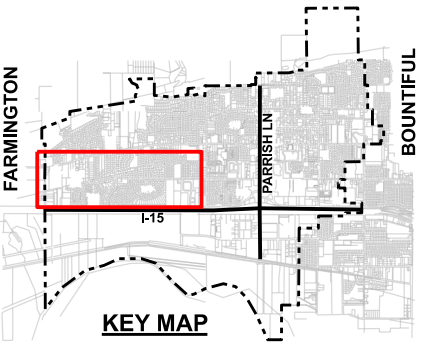
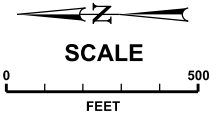
PROJECT YEAR 2034
LEWIS & CLARK DRIVE -
FREMONT CIRCLE TO JIM BRIDGER DRIVE
/FRONTAGE ROAD CROSSING

LEGEND

- | | | |
|---------------|------|---------------------------|
| 4 | CMP | CORRUGATED METAL PIPE |
| 6 | DC | DAVIS COUNTY |
| 8 | HDPE | HIGH DENSITY POLYETHYLENE |
| 10 | PVC | POLY VINYL CHLORIDE |
| 12 | RCP | REINFORCED CONCRETE PIPE |
| | SLPC | SMOOTH LINED PIPE CULVERT |
| BOX CULVERT | | |
| DETENTION | | |
| DRAINAGE AREA | | |
| OPEN WATERWAY | | |

NOTES:

- PIPE ARE 6 OR 8 INCH DIAMETER UNLESS OTHERWISE SHOWN.
- ALL PIPE IS PVC SDR-35 UNLESS OTHERWISE SHOWN.



REVISION	DATE	BY	DESCRIPTION	DESIGN
				PSB
				PSB
				KLC
				DATE
				06/05/2023

SUB-DRAIN DRAINAGE AREA 3

CENTERVILLE CITY
STORM DRAIN MASTER PLAN



ESI ENGINEERING
CIVIL - STRUCTURAL - LAND SURVEY
4141 WEST 2100 SOUTH, SUITE 100
WEST VALLEY, UTAH 84120
TEL: (801) 263-1752

SHEET 18
OF 18
PROJECT NO.
20-131

Appendix B

Centerville City NOAA Rainfall Data



NOAA Atlas 14, Volume 1, Version 5
Location name: Centerville, Utah, USA*
Latitude: 40.9202°, Longitude: -111.879°
Elevation: 4290 ft**
 * source: ESRI Maps
 ** source: USGS



POINT PRECIPITATION FREQUENCY ESTIMATES

Sanja Perica, Sarah Dietz, Sarah Heim, Lillian Hiner, Kazungu Maitaria, Deborah Martin, Sandra Pavlovic, Ishani Roy, Carl Trypaluk, Dale Unruh, Fenglin Yan, Michael Yekta, Tan Zhao, Geoffrey Bonnin, Daniel Brewer, Li-Chuan Chen, Tye Parzybok, John Yarchoan

NOAA, National Weather Service, Silver Spring, Maryland

[PF_tabular](#) | [PF_graphical](#) | [Maps_&_aerials](#)

PF tabular

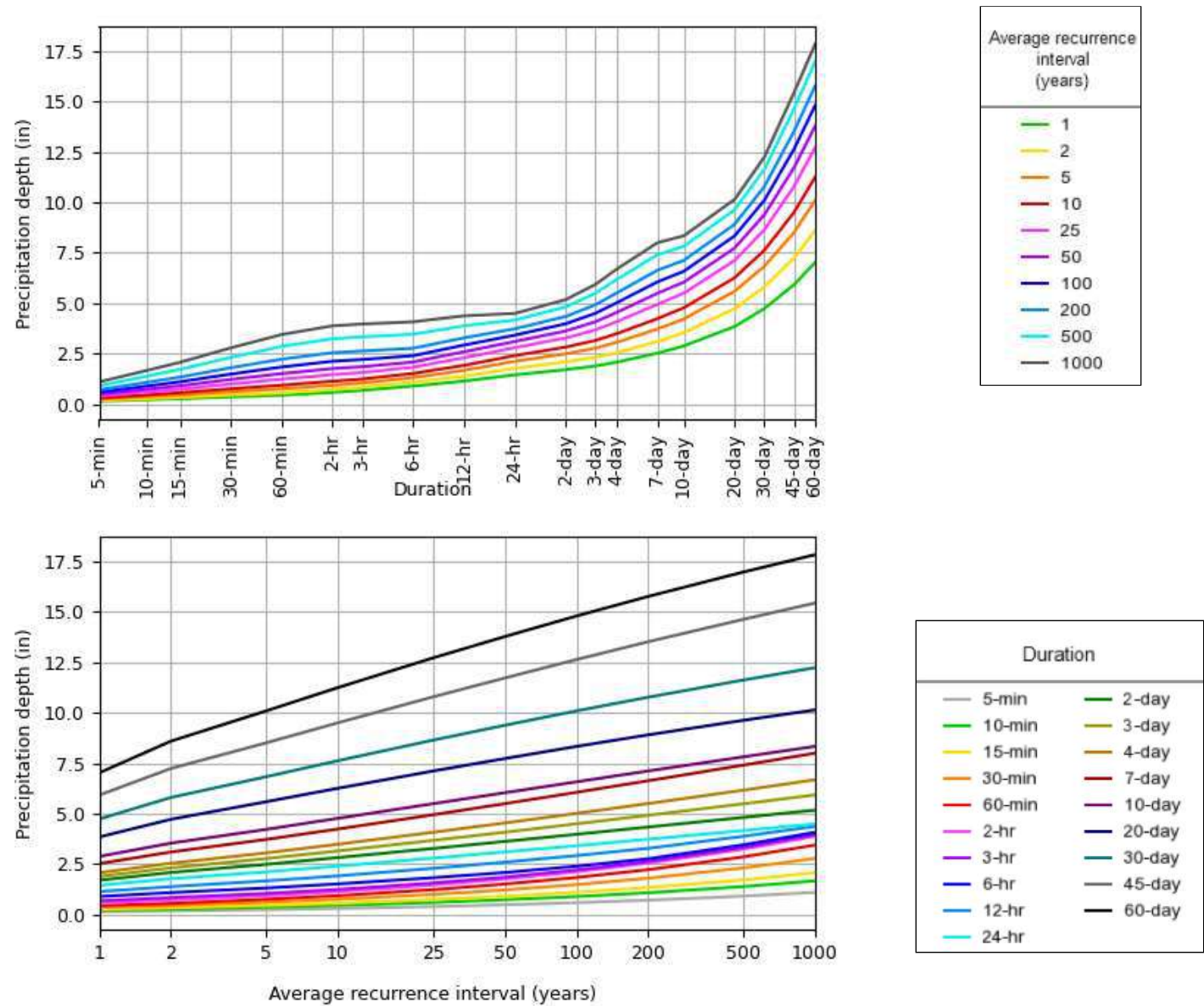
PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches) ¹										
Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	0.138 (0.119-0.162)	0.174 (0.152-0.206)	0.238 (0.205-0.280)	0.296 (0.252-0.350)	0.390 (0.324-0.465)	0.479 (0.386-0.576)	0.583 (0.454-0.708)	0.707 (0.529-0.875)	0.907 (0.644-1.16)	1.09 (0.741-1.43)
10-min	0.210 (0.182-0.247)	0.265 (0.230-0.313)	0.362 (0.312-0.427)	0.450 (0.384-0.532)	0.594 (0.494-0.707)	0.729 (0.588-0.876)	0.887 (0.692-1.08)	1.08 (0.806-1.33)	1.38 (0.980-1.76)	1.66 (1.13-2.17)
15-min	0.260 (0.225-0.307)	0.329 (0.285-0.388)	0.449 (0.387-0.529)	0.558 (0.476-0.660)	0.736 (0.612-0.877)	0.903 (0.728-1.09)	1.10 (0.857-1.34)	1.33 (0.999-1.65)	1.71 (1.22-2.18)	2.06 (1.40-2.70)
30-min	0.351 (0.304-0.413)	0.443 (0.384-0.523)	0.605 (0.521-0.712)	0.751 (0.640-0.888)	0.992 (0.824-1.18)	1.22 (0.981-1.46)	1.48 (1.16-1.80)	1.79 (1.34-2.22)	2.30 (1.64-2.94)	2.78 (1.88-3.63)
60-min	0.434 (0.376-0.511)	0.548 (0.476-0.647)	0.748 (0.645-0.881)	0.930 (0.793-1.10)	1.23 (1.02-1.46)	1.51 (1.21-1.81)	1.83 (1.43-2.22)	2.22 (1.66-2.75)	2.85 (2.02-3.63)	3.44 (2.33-4.49)
2-hr	0.574 (0.509-0.660)	0.716 (0.636-0.826)	0.927 (0.816-1.07)	1.13 (0.981-1.30)	1.45 (1.24-1.70)	1.75 (1.45-2.06)	2.12 (1.69-2.52)	2.54 (1.96-3.10)	3.23 (2.35-4.05)	3.87 (2.69-4.98)
3-hr	0.675 (0.607-0.763)	0.833 (0.749-0.943)	1.04 (0.927-1.18)	1.24 (1.09-1.40)	1.56 (1.35-1.78)	1.85 (1.56-2.14)	2.20 (1.82-2.58)	2.63 (2.10-3.14)	3.32 (2.53-4.08)	3.96 (2.89-5.00)
6-hr	0.887 (0.813-0.973)	1.08 (0.994-1.19)	1.31 (1.19-1.44)	1.51 (1.37-1.67)	1.82 (1.62-2.02)	2.08 (1.83-2.32)	2.39 (2.06-2.71)	2.76 (2.32-3.18)	3.45 (2.81-4.12)	4.07 (3.23-5.05)
12-hr	1.13 (1.03-1.24)	1.38 (1.26-1.52)	1.66 (1.52-1.84)	1.91 (1.73-2.11)	2.28 (2.04-2.54)	2.59 (2.28-2.90)	2.92 (2.53-3.31)	3.28 (2.78-3.77)	3.87 (3.19-4.56)	4.37 (3.51-5.25)
24-hr	1.44 (1.33-1.57)	1.77 (1.63-1.93)	2.11 (1.94-2.29)	2.40 (2.20-2.60)	2.79 (2.55-3.03)	3.10 (2.82-3.36)	3.41 (3.09-3.71)	3.73 (3.37-4.06)	4.16 (3.72-4.60)	4.49 (3.99-5.30)
2-day	1.70 (1.57-1.85)	2.08 (1.92-2.26)	2.48 (2.29-2.70)	2.82 (2.60-3.06)	3.27 (3.00-3.55)	3.62 (3.31-3.93)	3.97 (3.62-4.33)	4.33 (3.92-4.73)	4.81 (4.32-5.27)	5.17 (4.61-5.69)
3-day	1.88 (1.73-2.05)	2.31 (2.13-2.52)	2.77 (2.55-3.02)	3.15 (2.89-3.43)	3.67 (3.36-4.00)	4.08 (3.71-4.44)	4.49 (4.07-4.90)	4.92 (4.43-5.38)	5.48 (4.90-6.03)	5.92 (5.25-6.54)
4-day	2.07 (1.90-2.26)	2.54 (2.33-2.77)	3.05 (2.80-3.33)	3.48 (3.19-3.80)	4.07 (3.72-4.44)	4.53 (4.12-4.95)	5.01 (4.53-5.48)	5.50 (4.94-6.04)	6.16 (5.48-6.79)	6.68 (5.89-7.39)
7-day	2.52 (2.33-2.73)	3.10 (2.86-3.36)	3.72 (3.43-4.03)	4.23 (3.90-4.59)	4.94 (4.53-5.36)	5.49 (5.01-5.97)	6.05 (5.49-6.60)	6.63 (5.98-7.24)	7.40 (6.62-8.13)	8.00 (7.10-8.84)
10-day	2.87 (2.66-3.11)	3.53 (3.27-3.82)	4.21 (3.89-4.55)	4.76 (4.40-5.14)	5.49 (5.04-5.93)	6.03 (5.52-6.52)	6.57 (5.99-7.12)	7.11 (6.45-7.72)	7.81 (7.04-8.52)	8.33 (7.46-9.11)
20-day	3.84 (3.54-4.15)	4.72 (4.36-5.10)	5.58 (5.16-6.04)	6.25 (5.77-6.76)	7.11 (6.54-7.68)	7.73 (7.10-8.36)	8.33 (7.63-9.03)	8.90 (8.13-9.66)	9.62 (8.75-10.5)	10.1 (9.18-11.1)
30-day	4.73 (4.40-5.07)	5.80 (5.39-6.23)	6.82 (6.34-7.33)	7.62 (7.07-8.18)	8.64 (8.00-9.28)	9.37 (8.66-10.1)	10.1 (9.30-10.9)	10.8 (9.89-11.6)	11.6 (10.6-12.6)	12.2 (11.1-13.3)
45-day	5.91 (5.49-6.35)	7.24 (6.72-7.79)	8.50 (7.89-9.16)	9.50 (8.80-10.2)	10.8 (9.97-11.6)	11.7 (10.8-12.6)	12.6 (11.6-13.6)	13.5 (12.4-14.6)	14.6 (13.4-15.8)	15.4 (14.0-16.8)
60-day	7.02 (6.50-7.54)	8.59 (7.97-9.26)	10.1 (9.35-10.9)	11.2 (10.4-12.1)	12.7 (11.8-13.7)	13.8 (12.7-14.8)	14.8 (13.6-16.0)	15.8 (14.5-17.0)	17.0 (15.5-18.4)	17.8 (16.2-19.4)

¹ Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS). Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values. Please refer to NOAA Atlas 14 document for more information.

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PF graphical

PDS-based depth-duration-frequency (DDF) curves
Latitude: 40.9202°, Longitude: -111.8790°



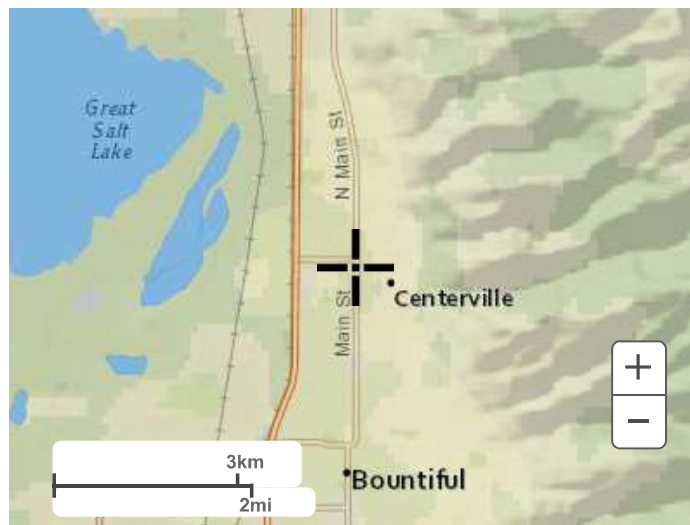
NOAA Atlas 14, Volume 1, Version 5

Created (GMT): Fri Jun 2 22:05:52 2023

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Maps & aerials

Small scale terrain



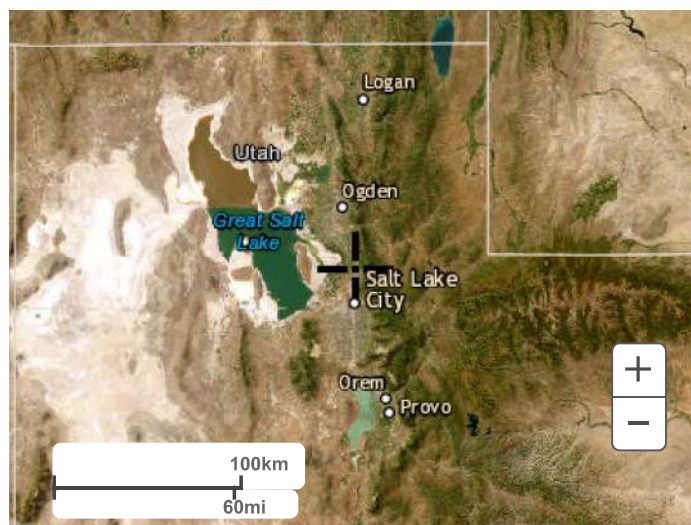
Large scale terrain



Large scale map



Large scale aerial

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[National Weather Service](#)
[National Water Center](#)
1325 East West Highway
Silver Spring, MD 20910
Questions?: HDSC.Questions@noaa.gov

[Disclaimer](#)

Appendix C

Storm Drain Project Cost Estimates

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				24 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION		QUANTITY	UNITS	UNIT PRICE		AMOUNT
Project Year 2024 - Deuel Creek Box Culvert 400 West to Frontage Road							
1	Provide & install new 3' x 10' box culvert storm drain		1,100	LF	\$800.00		\$880,000.00
2	Pothole existing utility for new alignment		1	Lump Sum	\$1,000.00		\$1,000.00
3	Excavate and haul away native material		150	CY	\$20.00		\$3,000.00
4	Import gravel bedding		2,500	TN	\$25.00		\$62,500.00
5	Import granular barrow (including compaction)		7,000	TN	\$25.00		\$175,000.00
6	Import untreated base course (including compaction)		1,200	TN	\$30.00		\$36,000.00
7	Mobilization, Traffic Control, and Restore landscaping		1	Lump Sum	\$30,000.00		\$30,000.00
	Subtotal (Items 1-7)						\$1,187,500.00
	Davis County's Cost		75%			\$890,625.00	
	Centerville City's Cost		25%			\$296,875.00	
8	Contingency		25%			\$74,218.75	
9	Design Engineering and Survey		10%			\$29,687.50	
10	Construction Management and Staking		10%			\$29,687.50	
	Total Construction Project (Items 1-10)						\$430,468.75

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				24 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2024 - Peachtree Drive - Casa Loma Drive to Main Steet							
1	Install new 12" PVC storm drain w/ seperation fabric	2,400	LF	\$65.00	\$156,000.00		
2	Provide & Install 48" storm drain manhole (incudes manhole lid and ring, grout and collars)	10	EA	\$4,500.00	\$45,000.00		
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	14	EA	\$3,500.00	\$49,000.00		
4	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)	6	EA	\$6,000.00	\$36,000.00		
5	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00		
6	Remove and haul away excisting storm drain pipe	120	LF	\$20.00	\$2,400.00		
7	Remove and haul away excisting storm drain structures	6	EA	\$1,000.00	\$6,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
9	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
10	Pulverize and haul away asphalt (including saw-cutting)	175	CY	\$20.00	\$3,500.00		
11	Excavate and haul away native material	1,500	CY	\$20.00	\$30,000.00		
12	Import gravel bedding	820	TN	\$25.00	\$20,500.00		
13	Import granular barrow (including compaction)	1,600	TN	\$25.00	\$40,000.00		
14	Import untreated base course (including compaction)	600	TN	\$30.00	\$18,000.00		
15	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-15)					\$445,400.00	
16	Contingency	25%			\$111,350.00		
17	Design Engineering and Survey	10%			\$44,540.00		
18	Construction Management and Staking	10%			\$44,540.00		
	Total Construction Project (Items 1-18)					\$645,830.00	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				24 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2024 - Briarwood Drive - Bonita Way to 400 East							
1	Install new 12" PVC storm drain w/ seperation fabric	1,200	LF	\$65.00	\$78,000.00		
2	Provide & Install 48" storm drain manhole (incudes manhole lid and ring, grout and collars)	5	EA	\$4,500.00	\$22,500.00		
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	5	EA	\$3,500.00	\$17,500.00		
4	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)	3	EA	\$6,000.00	\$18,000.00		
5	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	2	EA	\$1,000.00	\$2,000.00		
6	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
7	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
8	Pulverize and haul away asphalt (including saw-cutting)	90	CY	\$20.00	\$1,800.00		
9	Excavate and haul away native material	800	CY	\$20.00	\$16,000.00		
10	Import gravel bedding	400	TN	\$25.00	\$10,000.00		
11	Import granular barrow (including compaction)	900	TN	\$25.00	\$22,500.00		
12	Import untreated base course (including compaction)	300	TN	\$30.00	\$9,000.00		
13	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-13)					\$235,300.00	
14	Contingency	25%			\$58,825.00		
15	Design Engineering and Survey	10%			\$23,530.00		
16	Construction Management and Staking	10%			\$23,530.00		
	Total Construction Project (Items 1-16)					\$341,185.00	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				25 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION		QUANTITY	UNITS	UNIT PRICE		AMOUNT
Project Year 2025 - Deuel Creek Box Culvert Main Street to 400 West							
1	Provide & install new 3' x 10' box culvert storm drain		1,500	LF	\$800.00		\$1,200,000.00
2	Pothole existing utility for new alignment		1	Lump Sum	\$1,000.00		\$1,000.00
3	Excavate and haul away native material		150	CY	\$20.00		\$3,000.00
4	Import gravel bedding		3,000	TN	\$25.00		\$75,000.00
5	Import granular barrow (including compaction)		9,000	TN	\$25.00		\$225,000.00
6	Import untreated base course (including compaction)		1,600	TN	\$30.00		\$48,000.00
7	Mobilization, Traffic Control, and Restore landscaping		1	Lump Sum	\$30,000.00		\$30,000.00
	Subtotal (Items 1-7)						\$1,582,000.00
	Davis County's Cost		75%			\$1,186,500.00	
	Centerville City's Cost		25%			\$395,500.00	
8	Contingency		25%			\$98,875.00	
9	Design Engineering and Survey		10%			\$39,550.00	
10	Construction Management and Staking		10%			\$39,550.00	
	Total Construction Project (Items 1-10)						\$573,475.00

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				25 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION		QUANTITY	UNITS	UNIT PRICE	AMOUNT	
Project Year 2025 - Nola Drive & 1375 North - 1675 North to 1350 North							
1	Install new 12" PVC storm drain w/ seperation fabric		800	LF	\$65.00	\$52,000.00	
2	Provide & Install 48" storm drain manhole (incudes manhole lid and ring, grout and collars)		3	EA	\$4,500.00	\$13,500.00	
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)		6	EA	\$3,500.00	\$21,000.00	
4	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)		3	EA	\$6,000.00	\$18,000.00	
5	Tie-in to existing storm drain system (includes coring existing manhole & new collars)		1	EA	\$1,000.00	\$1,000.00	
6	Remove and haul away excisting storm drain pipe		60	LF	\$20.00	\$1,200.00	
7	Remove and haul away excisting storm drain structures		2	EA	\$1,000.00	\$2,000.00	
8	Pothole existing utility for new alignment		1	Lump Sum	\$3,000.00	\$3,000.00	
9	Remove and replace concrete (including saw-cutting)		1	Lump Sum	\$5,000.00	\$5,000.00	
10	Pulverize and haul away asphalt (including saw-cutting)		72	CY	\$20.00	\$1,440.00	
11	Excavate and haul away native material		480	CY	\$20.00	\$9,600.00	
12	Import gravel bedding		300	TN	\$25.00	\$7,500.00	
13	Import granular barrow (including compaction)		550	TN	\$25.00	\$13,750.00	
14	Import untreated base course (including compaction)		200	TN	\$30.00	\$6,000.00	
15	Mobilization, Traffic Control, and Restore landscaping		1	Lump Sum	\$30,000.00	\$30,000.00	
	Subtotal (Items 1-15)					\$184,990.00	
16	Contingency		25%			\$46,247.50	
17	Design Engineering and Survey		10%			\$18,499.00	
18	Construction Management and Staking		10%			\$18,499.00	
	Total Construction Project (Items 1-18)						\$268,235.50

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project: Drainage Master Plan		Sheet No.	
		Storm Drain Projects		1 of 1	
		Owner: Centerville City			
		Estimated by:		Project No.	
		Checked by:		25 - ###	
Conceptual Estimate					
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT
Project Year 2025 - Centerville Jr. High (South Property Line) - 300 East to Main Street or Combine with Rivera SD system					
1	Install new 24" RPC storm drain w/ seperation fabric	1,500	LF	\$240.00	\$360,000.00
2	Provide & Install 60" storm drain manhole (includes manhole lid and ring, grout and collars)	4	EA	\$5,000.00	\$20,000.00
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	4	EA	\$3,500.00	\$14,000.00
4	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)	3	EA	\$6,000.00	\$18,000.00
5	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	3	EA	\$1,000.00	\$3,000.00
6	Remove and haul away excisting storm drain pipe	1,500	LF	\$20.00	\$30,000.00
7	Remove and haul away excisting storm drain structures	6	EA	\$1,000.00	\$6,000.00
8	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00
9	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00
10	Pulverize and haul away asphalt (including saw-cutting)	20	CY	\$20.00	\$400.00
11	Excavate and haul away native material	1,800	CY	\$20.00	\$36,000.00
12	Import gravel bedding	900	TN	\$25.00	\$22,500.00
13	Import granular barrow (including compaction)	2,000	TN	\$25.00	\$50,000.00
14	Import untreated base course (including compaction)	50	TN	\$30.00	\$1,500.00
15	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	30	TN	\$200.00	\$6,000.00
16	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00
	Subtotal (Items 1-16)				\$605,400.00
17	Contingency	25%			\$151,350.00
18	Design Engineering and Survey	10%			\$60,540.00
19	Construction Management and Staking	10%			\$60,540.00
	Total Construction Project (Items 1-19)				\$877,830.00

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				26 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION		QUANTITY	UNITS	UNIT PRICE	AMOUNT	
Project Year 2026 - I-15 975 North - New 48" Culvert							
1	Bore 48" steel casing under I-15, UTA & UPRR		260	LF	\$1,400.00	\$364,000.00	
2	Bore pit and acceptance pit excavation and backfill		1	Lump Sum	\$20,000.00	\$20,000.00	
3	Install new 48" RPC storm drain w/ seperation fabric		180	LF	\$280.00	\$50,400.00	
4	Provide & Install 60" storm drain manhole (includes manhole lid and ring, grout and collars)		4	EA	\$5,000.00	\$20,000.00	
5	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)		2	EA	\$3,500.00	\$7,000.00	
6	Tie-in to existing storm drain system (includes coring existing manhole & new collars)		2	EA	\$1,000.00	\$2,000.00	
7	Pothole existing utility for new alignment		1	Lump Sum	\$3,000.00	\$3,000.00	
8	Remove and replace concrete (including saw-cutting)		1	Lump Sum	\$5,000.00	\$5,000.00	
9	Pulverize and haul away asphalt (including saw-cutting)		40	CY	\$20.00	\$800.00	
10	Excavate and haul away native material		400	CY	\$20.00	\$8,000.00	
11	Import gravel bedding		350	TN	\$25.00	\$8,750.00	
12	Import granular barrow (including compaction)		100	TN	\$25.00	\$2,500.00	
13	Import untreated base course (including compaction)		100	TN	\$30.00	\$3,000.00	
14	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)		90	TN	\$200.00	\$18,000.00	
15	Mobilization, Traffic Control, and Restore landscaping		1	Lump Sum	\$30,000.00	\$30,000.00	
	Subtotal (Items 1-15)					\$542,450.00	
	Davis County's Cost		75%			\$406,837.50	
	Centerville City's Cost		25%			\$135,612.50	
16	Contingency		25%			\$33,903.13	
17	Design Engineering and Survey		10%			\$13,561.25	
18	Construction Management and Staking		10%			\$13,561.25	
	Total Construction Project (Items 1-18)						\$196,638.13

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				26 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2026 - I-15 Parrish Lane (400 North) - Replace 36" CMP w/ New 36" Culvert							
1	Bore 36" steel casing under I-15	600	LF	\$1,200.00	\$720,000.00		
2	Bore pit and acceptance pit excavation and backfill	1	Lump Sum	\$20,000.00	\$20,000.00		
3	Fill abandoned CMP with grout	160	CY	\$250.00	\$40,000.00		
4	Install new 24" RPC storm drain w/ seperation fabric	120	LF	\$240.00	\$28,800.00		
5	Provide & Install 60" storm drain manhole (incudes manhole lid and ring, grout and collars)	4	EA	\$5,000.00	\$20,000.00		
6	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	6	EA	\$3,500.00	\$21,000.00		
7	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	3	EA	\$1,000.00	\$3,000.00		
8	Remove and haul away excisting storm drain pipe	300	LF	\$20.00	\$6,000.00		
9	Remove and haul away excisting storm drain structures	10	EA	\$1,000.00	\$10,000.00		
10	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
11	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
12	Pulverize and haul away asphalt (including saw-cutting)	80	CY	\$20.00	\$1,600.00		
13	Excavate and haul away native material	150	CY	\$20.00	\$3,000.00		
14	Import gravel bedding	100	TN	\$25.00	\$2,500.00		
15	Import granular barrow (including compaction)	150	TN	\$25.00	\$3,750.00		
16	Import untreated base course (including compaction)	40	TN	\$30.00	\$1,200.00		
17	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	40	TN	\$200.00	\$8,000.00		
18	UDOT/UTA/UPRR Permits, Fees, Flagging etc.	1	Lump Sum	\$25,000.00	\$25,000.00		
19	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$40,000.00	\$40,000.00		
	Subtotal (Items 1-19)					\$961,850.00	
20	Contingency	25%			\$240,462.50		
21	Design Engineering and Survey	10%			\$96,185.00		

22	Construction Management and Staking	10%		\$96,185.00
	Total Construction Project (Items 1-22)			\$1,394,682.50

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				27 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2027 - I-15 (C112) 2075 North (Lexington Park)- Replace 24" CMP w/ New 36" Culvert							
1	Bore 36" steel casing under I-15, UTA & UPRR	450	LF	\$1,200.00	\$540,000.00		
2	Bore pit and acceptance pit excavation and backfill	1	Lump Sum	\$20,000.00	\$20,000.00		
3	Provide & Install 60" storm drain manhole (includes manhole lid and ring, grout and collars)	3	EA	\$5,000.00	\$15,000.00		
4	Outlet structure	1	EA	\$5,000.00	\$5,000.00		
5	Fill abandoned CMP with grout	40	CY	\$250.00	\$10,000.00		
6	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00		
7	Remove and haul away excisting storm drain structures	4	EA	\$1,000.00	\$4,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$5,000.00	\$5,000.00		
9	UDOT/UTA/UPRR Permits, Fees, Flagging etc.	1	Lump Sum	\$25,000.00	\$25,000.00		
10	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-10)					\$655,000.00	
11	Contingency	25%			\$163,750.00		
12	Design Engineering and Survey	10%			\$65,500.00		
13	Construction Management and Staking	10%			\$65,500.00		
	Total Construction Project (Items 1-13)					\$949,750.00	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				27 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2027 - I-15 Frontage Rd & 500 South Replace 24" CMP w/ New 36" Culvert							
1	Bore 36" steel casing under I-15	300	LF	\$1,200.00	\$360,000.00		
2	Bore pit and acceptance pit excavation and backfill	1	Lump Sum	\$20,000.00	\$20,000.00		
3	Provide & Install 60" storm drain manhole (includes manhole lid and ring, grout and collars)	3	EA	\$5,000.00	\$15,000.00		
4	Outlet structure	1	EA	\$5,000.00	\$5,000.00		
5	Fill abandoned CMP with grout	40	CY	\$250.00	\$10,000.00		
6	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00		
7	Remove and haul away excisting storm drain structures	4	EA	\$1,000.00	\$4,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$5,000.00	\$5,000.00		
9	UDOT/UTA/UPRR Permits, Fees, Flagging etc.	1	Lump Sum	\$25,000.00	\$25,000.00		
10	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-10)					\$475,000.00	
11	Contingency	25%			\$118,750.00		
12	Design Engineering and Survey	10%			\$47,500.00		
13	Construction Management and Staking	10%			\$47,500.00		
	Total Construction Project (Items 1-13)					\$688,750.00	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				28 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2028 - I-15 650 South - Replace 24" CMP w/ New 36" Culvert							
1	Bore 36" steel casing under I-15	300	LF	\$1,200.00	\$360,000.00		
2	Bore pit and acceptance pit excavation and backfill	1	Lump Sum	\$20,000.00	\$20,000.00		
3	Provide & Install 60" storm drain manhole (includes manhole lid and ring, grout and collars)	3	EA	\$5,000.00	\$15,000.00		
4	Outlet structure	1	EA	\$5,000.00	\$5,000.00		
5	Fill abandoned CMP with grout	40	CY	\$250.00	\$10,000.00		
6	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00		
7	Remove and haul away excisting storm drain structures	4	EA	\$1,000.00	\$4,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$5,000.00	\$5,000.00		
9	UDOT/UTA/UPRR Permits, Fees, Flagging etc.	1	Lump Sum	\$25,000.00	\$25,000.00		
10	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-10)					\$475,000.00	
11	Contingency	25%			\$118,750.00		
12	Design Engineering and Survey	10%			\$47,500.00		
13	Construction Management and Staking	10%			\$47,500.00		
	Total Construction Project (Items 1-13)					\$688,750.00	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				28 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2028 - I-15 Parrish Creek - Replace 42" CMP w/ New 48"							
1	Bore 48" steel casing under I-15, UTA & UPRR	420	LF	\$1,400.00	\$588,000.00		
2	Bore pit and acceptance pit excavation and backfill	1	Lump Sum	\$20,000.00	\$20,000.00		
3	Provide & Install 60" storm drain manhole (includes manhole lid and ring, grout and collars)	3	EA	\$5,000.00	\$15,000.00		
4	Outlet structure	1	EA	\$5,000.00	\$5,000.00		
5	Fill abandoned CMP with grout	200	CY	\$250.00	\$50,000.00		
6	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00		
7	Remove and haul away exsiting storm drain structures	4	EA	\$1,000.00	\$4,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$5,000.00	\$5,000.00		
9	UDOT/UTA/UPRR Permits, Fees, Flagging etc.	1	Lump Sum	\$25,000.00	\$25,000.00		
10	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-10)					\$743,000.00	
	Davis County's Cost	75%			\$557,250.00		
	Centerville City's Cost	25%			\$185,750.00		
11	Contingency	25%			\$46,437.50		
12	Design Engineering and Survey	10%			\$18,575.00		
13	Construction Management and Staking	10%			\$18,575.00		
	Total Construction Project (Items 1-13)					\$269,337.50	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				29 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2029 - Parrish Lane - 100 East to Canyon Point							
1	Install new 12" PVC storm drain w/ seperation fabric	1,600	LF	\$65.00	\$104,000.00		
2	Provide & Install 48" storm drain manhole (incudes manhole lid and ring, grout and collars)	3	EA	\$4,500.00	\$13,500.00		
3	Provide & Install 60" storm drain manhole (incudes manhole lid and ring, grout and collars)	1	EA	\$5,000.00	\$5,000.00		
4	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	12	EA	\$3,500.00	\$42,000.00		
5	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)	4	EA	\$6,000.00	\$24,000.00		
6	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	2	EA	\$1,000.00	\$2,000.00		
7	Remove and haul away excisting storm drain structures	2	EA	\$1,000.00	\$2,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
9	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
10	Pulverize and haul away asphalt (including saw-cutting)	200	CY	\$20.00	\$4,000.00		
11	Excavate and haul away native material	1,000	CY	\$20.00	\$20,000.00		
12	Import gravel bedding	600	TN	\$25.00	\$15,000.00		
13	Import granular barrow (including compaction)	1,200	TN	\$25.00	\$30,000.00		
14	Import untreated base course (including compaction)	400	TN	\$30.00	\$12,000.00		
15	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-15)					\$311,500.00	
16	Contingency	25%			\$77,875.00		
17	Design Engineering and Survey	10%			\$31,150.00		
18	Construction Management and Staking	10%			\$31,150.00		
	Total Construction Project (Items 1-18)					\$451,675.00	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				29 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2029 - I-15 (P106) North Property Line of Community Park - New 36" Culvert							
1	Bore 36" steel casing under I-15, UTA & UPRR	450	LF	\$1,200.00	\$540,000.00		
2	Bore pit and acceptance pit excavation and backfill	1	Lump Sum	\$20,000.00	\$20,000.00		
3	Provide & Install 60" storm drain manhole (includes manhole lid and ring, grout and collars)	3	EA	\$5,000.00	\$15,000.00		
4	Outlet structure	1	EA	\$5,000.00	\$5,000.00		
5	Fill abandoned CMP with grout	120	CY	\$250.00	\$30,000.00		
6	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00		
7	Remove and haul away excisting storm drain structures	4	EA	\$1,000.00	\$4,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$5,000.00	\$5,000.00		
9	UDOT/UTA/UPRR Permits, Fees, Flagging etc.	1	Lump Sum	\$25,000.00	\$25,000.00		
10	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-10)					\$675,000.00	
11	Contingency	25%			\$168,750.00		
12	Design Engineering and Survey	10%			\$67,500.00		
13	Construction Management and Staking	10%			\$67,500.00		
	Total Construction Project (Items 1-13)					\$978,750.00	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				30 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2030 - Windsor Lane, Williams Lane, & 300 West Storm Drain							
1	Install new 12" PVC storm drain w/ seperation fabric	1,200	LF	\$65.00	\$78,000.00		
2	Provide & Install 48" storm drain manhole (includes manhole lid and ring, grout and collars)	7	EA	\$4,500.00	\$31,500.00		
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	12	EA	\$3,500.00	\$42,000.00		
4	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)	4	EA	\$6,000.00	\$24,000.00		
5	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00		
6	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
7	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
8	Pulverize and haul away asphalt (including saw-cutting)	95	CY	\$20.00	\$1,900.00		
9	Excavate and haul away native material	800	CY	\$20.00	\$16,000.00		
10	Import gravel bedding	500	TN	\$25.00	\$12,500.00		
11	Import granular barrow (including compaction)	900	TN	\$25.00	\$22,500.00		
12	Import untreated base course (including compaction)	300	TN	\$30.00	\$9,000.00		
13	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	250	TN	\$200.00	\$50,000.00		
14	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-14)				\$326,400.00		
15	Contingency	25%			\$81,600.00		
16	Design Engineering and Survey	10%			\$32,640.00		
17	Construction Management and Staking	10%			\$32,640.00		
	Total Construction Project (Items 1-17)					\$473,280.00	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				30 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2030 - I-15 750 North - Replace 24" CMP w/ New 36" Culvert							
1	Bore 36" steel casing under I-15	300	LF	\$1,200.00	\$360,000.00		
2	Bore pit and acceptance pit excavation and backfill	1	Lump Sum	\$20,000.00	\$20,000.00		
3	Provide & Install 60" storm drain manhole (includes manhole lid and ring, grout and collars)	3	EA	\$5,000.00	\$15,000.00		
4	Outlet structure	1	EA	\$5,000.00	\$5,000.00		
5	Fill abandoned CMP with grout	80	CY	\$250.00	\$20,000.00		
6	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00		
7	Remove and haul away excisting storm drain structures	4	EA	\$1,000.00	\$4,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$5,000.00	\$5,000.00		
9	UDOT/UTA/UPRR Permits, Fees, Flagging etc.	1	Lump Sum	\$25,000.00	\$25,000.00		
10	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-10)					\$485,000.00	
11	Contingency	25%			\$121,250.00		
12	Design Engineering and Survey	10%			\$48,500.00		
13	Construction Management and Staking	10%			\$48,500.00		
	Total Construction Project (Items 1-13)					\$703,250.00	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				31 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2031 - 700 North & Phasant Way - London Road to Bonita Way							
1	Install new 12" PVC storm drain w/ seperation fabric	1,400	LF	\$65.00	\$91,000.00		
2	Provide & Install 48" storm drain manhole (incudes manhole lid and ring, grout and collars)	2	EA	\$4,500.00	\$9,000.00		
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	10	EA	\$3,500.00	\$35,000.00		
4	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)	4	EA	\$6,000.00	\$24,000.00		
5	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	2	EA	\$1,000.00	\$2,000.00		
6	Remove and haul away excisting storm drain pipe	60	LF	\$20.00	\$1,200.00		
7	Remove and haul away excisting storm drain structures	2	EA	\$1,000.00	\$2,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
9	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
10	Pulverize and haul away asphalt (including saw-cutting)	125	CY	\$20.00	\$2,500.00		
11	Excavate and haul away native material	900	CY	\$20.00	\$18,000.00		
12	Import gravel bedding	500	TN	\$25.00	\$12,500.00		
13	Import granular barrow (including compaction)	1,000	TN	\$25.00	\$25,000.00		
14	Import untreated base course (including compaction)	350	TN	\$30.00	\$10,500.00		
15	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-15)					\$270,700.00	
16	Contingency	25%			\$67,675.00		
17	Design Engineering and Survey	10%			\$27,070.00		
18	Construction Management and Staking	10%			\$27,070.00		
	Total Construction Project (Items 1-18)					\$392,515.00	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				31 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2031 - I-15 Parrish Lane (400 North) - Replace 24" CMP along East Side of I-15 & 800 West Crossing to Parrish Lane							
1	Bore 24" steel casing under I-15	115	LF	\$1,000.00	\$115,000.00		
2	Bore pit and acceptance pit excavation and backfill	1	Lump Sum	\$20,000.00	\$20,000.00		
3	Fill abandoned CMP with grout	160	CY	\$250.00	\$40,000.00		
4	Install new 24" RPC storm drain w/ seperation fabric	530	LF	\$240.00	\$127,200.00		
5	Provide & Install 60" storm drain manhole (incudes manhole lid and ring, grout and collars)	4	EA	\$5,000.00	\$20,000.00		
6	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	6	EA	\$3,500.00	\$21,000.00		
7	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	3	EA	\$1,000.00	\$3,000.00		
8	Remove and haul away excisting storm drain pipe	500	LF	\$20.00	\$10,000.00		
9	Remove and haul away excisting storm drain structures	8	EA	\$1,000.00	\$8,000.00		
10	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
11	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
12	Pulverize and haul away asphalt (including saw-cutting)	70	CY	\$20.00	\$1,400.00		
13	Excavate and haul away native material	600	CY	\$20.00	\$12,000.00		
14	Import gravel bedding	500	TN	\$25.00	\$12,500.00		
15	Import granular barrow (including compaction)	550	TN	\$25.00	\$13,750.00		
16	Import untreated base course (including compaction)	150	TN	\$30.00	\$4,500.00		
17	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	100	TN	\$200.00	\$20,000.00		
18	UDOT/UTA/UPRR Permits, Fees, Flagging etc.	1	Lump Sum	\$25,000.00	\$25,000.00		
19	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$40,000.00	\$40,000.00		
	Subtotal (Items 1-19)					\$501,350.00	
20	Contingency	25%			\$125,337.50		
21	Design Engineering and Survey	10%			\$50,135.00		

22	Construction Management and Staking	10%		\$50,135.00
	Total Construction Project (Items 1-22)			\$726,957.50

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
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		Estimated by:				Project No.	
		Checked by:				32 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2032 - Nola Drive - 1200 North to 1350 North							
1	Install new 12" PVC storm drain w/ seperation fabric	350	LF	\$65.00	\$22,750.00		
2	Provide & Install 48" storm drain manhole (incudes manhole lid and ring, grout and collars)	2	EA	\$4,500.00	\$9,000.00		
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	6	EA	\$3,500.00	\$21,000.00		
4	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)	2	EA	\$6,000.00	\$12,000.00		
5	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00		
6	Remove and haul away excisting storm drain pipe	40	LF	\$20.00	\$800.00		
7	Remove and haul away excisting storm drain structures	2	EA	\$1,000.00	\$2,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
9	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
10	Pulverize and haul away asphalt (including saw-cutting)	30	CY	\$20.00	\$600.00		
11	Excavate and haul away native material	250	CY	\$20.00	\$5,000.00		
12	Import gravel bedding	150	TN	\$25.00	\$3,750.00		
13	Import granular barrow (including compaction)	250	TN	\$25.00	\$6,250.00		
14	Import untreated base course (including compaction)	100	TN	\$30.00	\$3,000.00		
15	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-15)				\$125,150.00		
16	Contingency	25%			\$31,287.50		
17	Design Engineering and Survey	10%			\$12,515.00		
18	Construction Management and Staking	10%			\$12,515.00		
	Total Construction Project (Items 1-18)				\$181,467.50		

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				32 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2032 - I-15 100 South - Replace 24" CMP w/ New 36" Culvert							
1	Bore 36" steel casing under I-15	520	LF	\$1,200.00	\$624,000.00		
2	Bore pit and acceptance pit excavation and backfill	1	Lump Sum	\$20,000.00	\$20,000.00		
3	Provide & Install 60" storm drain manhole (includes manhole lid and ring, grout and collars)	3	EA	\$5,000.00	\$15,000.00		
4	Outlet structure	1	EA	\$5,000.00	\$5,000.00		
5	Fill abandoned CMP with grout	60	CY	\$250.00	\$15,000.00		
6	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00		
7	Remove and haul away excisting storm drain structures	2	EA	\$1,000.00	\$2,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$5,000.00	\$5,000.00		
9	UDOT/UTA/UPRR Permits, Fees, Flagging etc.	1	Lump Sum	\$25,000.00	\$25,000.00		
10	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-10)					\$742,000.00	
11	Contingency	25%			\$185,500.00		
12	Design Engineering and Survey	10%			\$74,200.00		
13	Construction Management and Staking	10%			\$74,200.00		
	Total Construction Project (Items 1-13)					\$1,075,900.00	

**ESI Engineering, Inc.**

4141 West 2100 South, Suite 100

West Valley, Utah 84120

Phone (801) 263-1752

Consulting Engineers & Land SurveyorsProject: Drainage Master Plan
Storm Drain ProjectsOwner: **Centerville City**

Estimated by:

Checked by:

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Project No.

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Conceptual Estimate

ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT
Project Year 2033 - I-15 Frontage Road - 200 South Replace CMP Culvert					
1	Install new 36" RPC storm drain w/ seperation fabric	100	LF	\$260.00	\$26,000.00
2	Provide & Install 60" storm drain manhole (includes manhole lid and ring, grout and collars)	2	EA	\$5,000.00	\$10,000.00
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	2	EA	\$3,500.00	\$7,000.00
4	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	2	EA	\$1,000.00	\$2,000.00
5	Remove and haul away excisting storm drain pipe	100	LF	\$20.00	\$2,000.00
6	Remove and haul away excisting storm drain structures	2	EA	\$1,000.00	\$2,000.00
7	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00
8	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00
9	Pulverize and haul away asphalt (including saw-cutting)	20	CY	\$20.00	\$400.00
10	Excavate and haul away native material	150	CY	\$20.00	\$3,000.00
11	Import gravel bedding	110	TN	\$25.00	\$2,750.00
12	Import granular barrow (including compaction)	90	TN	\$25.00	\$2,250.00
13	Import untreated base course (including compaction)	40	TN	\$30.00	\$1,200.00
14	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	40	TN	\$200.00	\$8,000.00
15	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00
	Subtotal (Items 1-15)				\$104,600.00
16	Contingency	25%			\$26,150.00
17	Design Engineering and Survey	10%			\$10,460.00
18	Construction Management and Staking	10%			\$10,460.00
	Total Construction Project (Items 1-18)				\$151,670.00

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2033 - Barnard Street Overflow Storm Drain - Main Street to Oakridge Drive							
1	Install new 24" RCP storm drain w/ seperation fabric	2,600	LF	\$240.00	\$624,000.00		
2	Provide & Install 48" storm drain manhole (includes manhole lid and ring, grout and collars)	8	EA	\$4,500.00	\$36,000.00		
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	18	EA	\$3,500.00	\$63,000.00		
4	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)	6	EA	\$6,000.00	\$36,000.00		
5	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	3	EA	\$1,000.00	\$3,000.00		
6	Remove and haul away excisting storm drain pipe	100	LF	\$20.00	\$2,000.00		
7	Remove and haul away excisting storm drain structures	12	EA	\$1,000.00	\$12,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
9	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
10	Pulverize and haul away concrete roadway (including saw-cutting)	500	CY	\$20.00	\$10,000.00		
11	Excavate and haul away native material	3,500	CY	\$20.00	\$70,000.00		
12	Import gravel bedding	2,200	TN	\$25.00	\$55,000.00		
13	Import granular barrow (including compaction)	3,800	TN	\$25.00	\$95,000.00		
14	Import untreated base course (including compaction)	900	TN	\$30.00	\$27,000.00		
15	UDOT Permits, Fees, etc.	1	Lump Sum	\$5,000.00	\$5,000.00		
16	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-16)					\$1,076,000.00	
17	Contingency	25%			\$269,000.00		
18	Design Engineering and Survey	10%			\$107,600.00		
19	Construction Management and Staking	10%			\$107,600.00		
	Total Construction Project (Items 1-19)					\$1,560,200.00	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				34 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2034 - I-15 625 North - Replace 30" CMP w/ New 36" Culvert							
1	Bore 36" steel casing under I-15	500	LF	\$1,200.00	\$600,000.00		
2	Bore pit and acceptance pit excavation and backfill	1	Lump Sum	\$20,000.00	\$20,000.00		
3	Provide & Install 60" storm drain manhole (includes manhole lid and ring, grout and collars)	3	EA	\$5,000.00	\$15,000.00		
4	Outlet structure	1	EA	\$5,000.00	\$5,000.00		
5	Fill abandoned CMP with grout	130	CY	\$250.00	\$32,500.00		
6	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00		
7	Remove and haul away excisting storm drain structures	4	EA	\$1,000.00	\$4,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$5,000.00	\$5,000.00		
9	UDOT/UTA/UPRR Permits, Fees, Flagging etc.	1	Lump Sum	\$25,000.00	\$25,000.00		
10	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-10)					\$737,500.00	
11	Contingency	25%			\$184,375.00		
12	Design Engineering and Survey	10%			\$73,750.00		
13	Construction Management and Staking	10%			\$73,750.00		
	Total Construction Project (Items 1-13)					\$1,069,375.00	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project: Drainage Master Plan		Sheet No. 1 of 1	
		Storm Drain Projects			
		Owner: Centerville City			
		Estimated by:		Project No.	34 - ###
Conceptual Estimate					
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT
Project Year 2034 - 725 North 1250 West & 600 North 1250 West - Inlet Box Replacement					
1	Install new 36" RCP storm drain w/ seperation fabric	140	LF	\$260.00	\$36,400.00
2	Install new 24" RCP storm drain w/ seperation fabric	65	LF	\$240.00	\$15,600.00
3	Provide & Install 60" storm drain manhole (includes manhole lid and ring, grout and collars)	2	EA	\$5,000.00	\$10,000.00
4	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	6	EA	\$3,500.00	\$21,000.00
5	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)	3	EA	\$6,000.00	\$18,000.00
6	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	3	EA	\$1,000.00	\$3,000.00
7	Remove and haul away excisting storm drain pipe	200	LF	\$20.00	\$4,000.00
8	Remove and haul away excisting storm drain structures	8	EA	\$1,000.00	\$8,000.00
9	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00
10	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00
11	Pulverize and haul away asphalt (including saw-cutting)	30	CY	\$20.00	\$600.00
12	Excavate and haul away native material	300	CY	\$20.00	\$6,000.00
13	Import gravel bedding	200	TN	\$25.00	\$5,000.00
14	Import granular barrow (including compaction)	250	TN	\$25.00	\$6,250.00
15	Import untreated base course (including compaction)	75	TN	\$30.00	\$2,250.00
16	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	50	TN	\$200.00	\$10,000.00
17	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00
Subtotal (Items 1-17)					\$184,100.00
18	Contingency	25%			\$46,025.00
19	Design Engineering and Survey	10%			\$18,410.00
20	Construction Management and Staking	10%			\$18,410.00

	Total Construction Project (Items 1-20)		\$266,945.00
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 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
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		Estimated by:				Project No.	
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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2035 - Parrish Creek 950 West to 1250 West - Channel Improvements							
1	Install new 48" RPC storm drain w/ seperation fabric	1,510	LF	\$280.00	\$422,800.00		
2	Provide & Install 60" storm drain manhole (includes manhole lid and ring, grout and collars)	6	EA	\$5,000.00	\$30,000.00		
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	2	EA	\$3,500.00	\$7,000.00		
4	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)	2	EA	\$6,000.00	\$12,000.00		
5	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	2	EA	\$1,000.00	\$2,000.00		
6	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
7	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
8	Pulverize and haul away asphalt (including saw-cutting)	40	CY	\$20.00	\$800.00		
9	Excavate and haul away native material	400	CY	\$20.00	\$8,000.00		
10	Import gravel bedding	350	TN	\$25.00	\$8,750.00		
11	Import granular barrow (including compaction)	100	TN	\$25.00	\$2,500.00		
12	Import untreated base course (including compaction)	100	TN	\$30.00	\$3,000.00		
13	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	90	TN	\$200.00	\$18,000.00		
14	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-14)				\$552,850.00		
	Davis County's Cost	75%			\$414,637.50		
	Centerville City's Cost	25%			\$138,212.50		
15	Contingency	25%			\$34,553.13		
16	Design Engineering and Survey	10%			\$13,821.25		
17	Construction Management and Staking	10%			\$13,821.25		
	Total Construction Project (Items 1-17)				\$200,408.13		

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project: Drainage Master Plan		Sheet No.	
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		Owner: Centerville City			
		Estimated by:			
		Checked by:		Project No.	
				35 - ###	
Conceptual Estimate					
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT
Project Year 2035 - Public Works Dry Beds					
1	Concrete dry bed construction	1	Lump Sum	\$75,000.00	\$75,000.00
2	Clearing & Grubbing	1	Lump Sum	\$10,000.00	\$10,000.00
3	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00
4	Mobilization and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00
	Subtotal (Items 1-4)				\$118,000.00
5	Contingency	25%			\$29,500.00
6	Design Engineering and Survey	10%			\$11,800.00
7	Construction Management and Staking	10%			\$11,800.00
	Total Construction Project (Items 1-7)				\$171,100.00

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				36 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2036 - Rick's Creek Culvert at 575 West (Parallel w/ New 36" Elliptical)							
1	Install new 36" RCP storm drain w/ seperation fabric	50	LF	\$260.00	\$13,000.00		
2	Provide & Install inlet/outlet structure	2	EA	\$5,000.00	\$10,000.00		
3	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
4	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
5	Pulverize and haul away asphalt (including saw-cutting)	6	CY	\$20.00	\$120.00		
6	Excavate and haul away native material	100	CY	\$20.00	\$2,000.00		
7	Import gravel bedding	60	TN	\$25.00	\$1,500.00		
8	Import granular barrow (including compaction)	100	TN	\$25.00	\$2,500.00		
9	Import untreated base course (including compaction)	20	TN	\$30.00	\$600.00		
10	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	15	TN	\$200.00	\$3,000.00		
11	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-11)					\$70,720.00	
	Davis County's Cost	75%			\$53,040.00		
	Centerville City's Cost	25%			\$17,680.00		
12	Contingency	25%			\$4,420.00		
13	Design Engineering and Survey	10%			\$1,768.00		
14	Construction Management and Staking	10%			\$1,768.00		
	Total Construction Project (Items 1-14)				\$25,636.00		

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
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		Owner:		Centerville City			
		Estimated by:				Project No.	
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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2036 - Island View - 550 South to 650 South							
1	Install new 12" PVC storm drain w/ seperation fabric	600	LF	\$65.00	\$39,000.00		
2	Provide & Install 48" storm drain manhole (includes manhole lid and ring, grout and collars)	1	EA	\$4,500.00	\$4,500.00		
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	1	EA	\$3,500.00	\$3,500.00		
4	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)	2	EA	\$6,000.00	\$12,000.00		
5	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00		
6	Remove and haul away excisting storm drain pipe	20	LF	\$20.00	\$400.00		
7	Remove and haul away excisting storm drain structures	2	EA	\$1,000.00	\$2,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
9	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
10	Pulverize and haul away asphalt (including saw-cutting)	45	CY	\$20.00	\$900.00		
11	Excavate and haul away native material	400	CY	\$20.00	\$8,000.00		
12	Import gravel bedding	250	TN	\$25.00	\$6,250.00		
13	Import granular barrow (including compaction)	400	TN	\$25.00	\$10,000.00		
14	Import untreated base course (including compaction)	150	TN	\$30.00	\$4,500.00		
15	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-15)					\$130,050.00	
16	Contingency	25%			\$32,512.50		
17	Design Engineering and Survey	10%			\$13,005.00		
18	Construction Management and Staking	10%			\$13,005.00		
	Total Construction Project (Items 1-18)					\$188,572.50	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
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		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				37 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2037 - 500 South - UPRR / UTA - Replace 24" CMP w/ New 36" Culvert							
1	Bore 36" steel casing under I-15	180	LF	\$1,200.00	\$216,000.00		
2	Bore pit and acceptance pit excavation and backfill	1	Lump Sum	\$20,000.00	\$20,000.00		
3	Provide & Install 60" storm drain manhole (includes manhole lid and ring, grout and collars)	2	EA	\$5,000.00	\$10,000.00		
4	Outlet structure	1	EA	\$5,000.00	\$5,000.00		
5	Fill abandoned CMP with grout	40	CY	\$250.00	\$10,000.00		
6	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00		
7	Remove and haul away excisting storm drain structures	2	EA	\$1,000.00	\$2,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$5,000.00	\$5,000.00		
9	UDOT/UTA/UPRR Permits, Fees, Flagging etc.	1	Lump Sum	\$25,000.00	\$25,000.00		
10	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-10)					\$324,000.00	
11	Contingency	25%			\$81,000.00		
12	Design Engineering and Survey	10%			\$32,400.00		
13	Construction Management and Staking	10%			\$32,400.00		
	Total Construction Project (Items 1-13)					\$469,800.00	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				37 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2037 - Carrington Lane - Main Street to Ricks Creek Reservoir							
1	Install new 12" PVC storm drain w/ seperation fabric	230	LF	\$65.00	\$14,950.00		
2	Provide & Install 48" storm drain manhole (incudes manhole lid and ring, grout and collars)	13	EA	\$4,500.00	\$58,500.00		
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	14	EA	\$3,500.00	\$49,000.00		
4	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)	4	EA	\$6,000.00	\$24,000.00		
5	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	2	EA	\$1,000.00	\$2,000.00		
6	Remove and haul away excisting storm drain pipe	120	LF	\$20.00	\$2,400.00		
7	Remove and haul away excisting storm drain structures	6	EA	\$1,000.00	\$6,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
9	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
10	Pulverize and haul away asphalt (including saw-cutting)	180	CY	\$20.00	\$3,600.00		
11	Excavate and haul away native material	1,500	CY	\$20.00	\$30,000.00		
12	Import gravel bedding	820	TN	\$25.00	\$20,500.00		
13	Import granular barrow (including compaction)	1,600	TN	\$25.00	\$40,000.00		
14	Import untreated base course (including compaction)	600	TN	\$30.00	\$18,000.00		
15	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-15)					\$306,950.00	
16	Contingency	25%			\$76,737.50		
17	Design Engineering and Survey	10%			\$30,695.00		
18	Construction Management and Staking	10%			\$30,695.00		
	Total Construction Project (Items 1-18)					\$445,077.50	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				38 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2038 - 650 North - 1000 West to 1250 West - Replace 30" CMP w/ 42" RCP							
1	Install new 42" RCP storm drain w/ seperation fabric	1,450	LF	\$260.00	\$377,000.00		
2	Provide & Install 60" storm drain manhole (includes manhole lid and ring, grout and collars)	2	EA	\$5,000.00	\$10,000.00		
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	4	EA	\$3,500.00	\$14,000.00		
4	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)	6	EA	\$6,000.00	\$36,000.00		
5	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	2	EA	\$1,000.00	\$2,000.00		
6	Remove and haul away excisting storm drain pipe	1,100	LF	\$20.00	\$22,000.00		
7	Remove and haul away excisting storm drain structures	10	EA	\$1,000.00	\$10,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
9	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
10	Pulverize and haul away asphalt (including saw-cutting)	150	CY	\$20.00	\$3,000.00		
11	Excavate and haul away native material	1,600	CY	\$20.00	\$32,000.00		
12	Import gravel bedding	1,200	TN	\$25.00	\$30,000.00		
13	Import granular barrow (including compaction)	1,000	TN	\$25.00	\$25,000.00		
14	Import untreated base course (including compaction)	300	TN	\$30.00	\$9,000.00		
15	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-15)					\$608,000.00	
16	Contingency	25%			\$152,000.00		
17	Design Engineering and Survey	10%			\$60,800.00		
18	Construction Management and Staking	10%			\$60,800.00		
	Total Construction Project (Items 1-18)					\$881,600.00	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project: Drainage Master Plan Storm Drain Projects		Sheet No. 1 of 1	
		Owner: Centerville City			
		Estimated by:			
		Checked by:			
Conceptual Estimate					
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT
Project Year 2038 - Parrish Lane - Crossing at 800 West (7-11 to Carls Jr.) - Replace 36" CMP					
1	Install new 36" RCP storm drain w/ seperation fabric	120	LF	\$240.00	\$28,800.00
2	Provide & Install 60" storm drain manhole (incudes manhole lid and ring, grout and collars)	2	EA	\$5,000.00	\$10,000.00
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	2	EA	\$3,500.00	\$7,000.00
4	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	4	EA	\$1,000.00	\$4,000.00
5	Remove and haul away excisting storm drain pipe	120	LF	\$20.00	\$2,400.00
6	Remove and haul away excisting storm drain structures	4	EA	\$1,000.00	\$4,000.00
7	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00
8	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00
9	Pulverize and haul away asphalt (including saw-cutting)	30	CY	\$20.00	\$600.00
10	Excavate and haul away native material	300	CY	\$20.00	\$6,000.00
11	Import gravel bedding	200	TN	\$25.00	\$5,000.00
12	Import granular barrow (including compaction)	250	TN	\$25.00	\$6,250.00
13	Import untreated base course (including compaction)	75	TN	\$30.00	\$2,250.00
14	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	50	TN	\$200.00	\$10,000.00
15	UDOT Permits, Fees, etc.	1	Lump Sum	\$5,000.00	\$5,000.00
16	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00
	Subtotal (Items 1-16)				\$129,300.00
17	Contingency	25%			\$32,325.00
18	Design Engineering and Survey	10%			\$12,930.00
19	Construction Management and Staking	10%			\$12,930.00
	Total Construction Project (Items 1-19)				\$187,485.00

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2039 - 400 South - 400 East to 700 East							
1	Install new 12" PVC storm drain w/ seperation fabric	600	LF	\$65.00	\$39,000.00		
2	Provide & Install 48" storm drain manhole (includes manhole lid and ring, grout and collars)	7	EA	\$4,500.00	\$31,500.00		
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	1	EA	\$3,500.00	\$3,500.00		
4	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)	2	EA	\$6,000.00	\$12,000.00		
5	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	2	EA	\$1,000.00	\$2,000.00		
6	Remove and haul away excisting storm drain pipe	30	LF	\$20.00	\$600.00		
7	Remove and haul away excisting storm drain structures	2	EA	\$1,000.00	\$2,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
9	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
10	Pulverize and haul away asphalt (including saw-cutting)	130	CY	\$20.00	\$2,600.00		
11	Excavate and haul away native material	200	CY	\$20.00	\$4,000.00		
12	Import gravel bedding	250	TN	\$25.00	\$6,250.00		
13	Import granular barrow (including compaction)	400	TN	\$25.00	\$10,000.00		
14	Import untreated base course (including compaction)	150	TN	\$30.00	\$4,500.00		
15	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	75	TN	\$200.00	\$15,000.00		
16	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-16)					\$170,950.00	
17	Contingency	25%			\$42,737.50		
18	Design Engineering and Survey	10%			\$17,095.00		
19	Construction Management and Staking	10%			\$17,095.00		
	Total Construction Project (Items 1-19)					\$247,877.50	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2039 - 780 South - 50 West to Pitford Drive							
1	Install new 12" PVC storm drain w/ seperation fabric	1,500	LF	\$65.00	\$97,500.00		
2	Provide & Install 48" storm drain manhole (incudes manhole lid and ring, grout and collars)	7	EA	\$4,500.00	\$31,500.00		
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	10	EA	\$3,500.00	\$35,000.00		
4	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)	3	EA	\$6,000.00	\$18,000.00		
5	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00		
6	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
7	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
8	Pulverize and haul away asphalt (including saw-cutting)	150	CY	\$20.00	\$3,000.00		
9	Excavate and haul away native material	900	CY	\$20.00	\$18,000.00		
10	Import gravel bedding	550	TN	\$25.00	\$13,750.00		
11	Import granular barrow (including compaction)	1,000	TN	\$25.00	\$25,000.00		
12	Import untreated base course (including compaction)	350	TN	\$30.00	\$10,500.00		
13	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-13)					\$291,250.00	
14	Contingency	25%			\$72,812.50		
15	Design Engineering and Survey	10%			\$29,125.00		
16	Construction Management and Staking	10%			\$29,125.00		
	Total Construction Project (Items 1-16)					\$422,312.50	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
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		Owner:		Centerville City			
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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION		QUANTITY	UNITS	UNIT PRICE	AMOUNT	
Project Year 2040 - Hillside Property Drainage Project							
1	Install new 18" RCP storm drain w/ seperation fabric		3,900	LF	\$160.00	\$624,000.00	
2	Provide & Install 60" storm drain manhole w/grated lid (incudes manhole lid and ring, grout and collars)		15	EA	\$5,000.00	\$75,000.00	
3	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)		6	EA	\$6,000.00	\$36,000.00	
4	Tie-in to existing storm drain system (includes coring existing manhole & new collars)		1	EA	\$1,000.00	\$1,000.00	
5	Pothole existing utility for new alignment		1	Lump Sum	\$3,000.00	\$3,000.00	
6	Install new concrete curb & gutter		1,700	LF	\$65.00	\$110,500.00	
7	Excavate and haul away native material		5,200	CY	\$20.00	\$104,000.00	
8	Import gravel bedding		2,700	TN	\$25.00	\$67,500.00	
9	Import granular barrow (including compaction)		6,700	TN	\$25.00	\$167,500.00	
10	Import untreated base course (including compaction)		3,000	TN	\$30.00	\$90,000.00	
11	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)		1,100	TN	\$200.00	\$220,000.00	
12	Mobilization, Traffic Control, and Restore landscaping		1	Lump Sum	\$30,000.00	\$30,000.00	
	Subtotal (Items 1-12)					\$1,528,500.00	
13	Contingency		25%			\$382,125.00	
14	Design Engineering and Survey		10%			\$152,850.00	
15	Construction Management and Staking		10%			\$152,850.00	
	Total Construction Project (Items 1-15)					\$2,216,325.00	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
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		Owner:		Centerville City			
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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2040 - 200 South - 600 East to 500 East - Replace CMP							
1	Install new 12" PVC storm drain w/ seperation fabric	400	LF	\$65.00	\$26,000.00		
2	Provide & Install 48" storm drain manhole (incudes manhole lid and ring, grout and collars)	1	EA	\$4,500.00	\$4,500.00		
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	3	EA	\$3,500.00	\$10,500.00		
4	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)	2	EA	\$6,000.00	\$12,000.00		
5	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00		
6	Remove and haul away excisting storm drain pipe	400	LF	\$20.00	\$8,000.00		
7	Remove and haul away excisting storm drain structures	4	EA	\$1,000.00	\$4,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
9	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
10	Pulverize and haul away asphalt (including saw-cutting)	30	CY	\$20.00	\$600.00		
11	Excavate and haul away native material	250	CY	\$20.00	\$5,000.00		
12	Import gravel bedding	150	TN	\$25.00	\$3,750.00		
13	Import granular barrow (including compaction)	250	TN	\$25.00	\$6,250.00		
14	Import untreated base course (including compaction)	100	TN	\$30.00	\$3,000.00		
15	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-15)					\$122,600.00	
16	Contingency	25%			\$30,650.00		
17	Design Engineering and Survey	10%			\$12,260.00		
18	Construction Management and Staking	10%			\$12,260.00		
	Total Construction Project (Items 1-18)					\$177,770.00	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2041 - 700 South - 475 East to 700 East							
1	Install new 12" PVC storm drain w/ seperation fabric	1,500	LF	\$65.00	\$97,500.00		
2	Provide & Install 48" storm drain manhole (incudes manhole lid and ring, grout and collars)	7	EA	\$4,500.00	\$31,500.00		
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	10	EA	\$3,500.00	\$35,000.00		
4	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)	3	EA	\$6,000.00	\$18,000.00		
5	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00		
6	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
7	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
8	Pulverize and haul away asphalt (including saw-cutting)	150	CY	\$20.00	\$3,000.00		
9	Excavate and haul away native material	900	CY	\$20.00	\$18,000.00		
10	Import gravel bedding	550	TN	\$25.00	\$13,750.00		
11	Import granular barrow (including compaction)	1,000	TN	\$25.00	\$25,000.00		
12	Import untreated base course (including compaction)	350	TN	\$30.00	\$10,500.00		
13	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-13)					\$291,250.00	
14	Contingency	25%			\$72,812.50		
15	Design Engineering and Survey	10%			\$29,125.00		
16	Construction Management and Staking	10%			\$29,125.00		
	Total Construction Project (Items 1-16)					\$422,312.50	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION		QUANTITY	UNITS	UNIT PRICE		AMOUNT
Project Year 2041 - 600 North - 1250 West to Legacy Parkway							
1	Install new 36" RCP storm drain w/ seperation fabric		620	LF	\$260.00		\$161,200.00
2	Provide & Install 60" storm drain manhole (includes manhole lid and ring, grout and collars)		4	EA	\$5,000.00		\$20,000.00
3	Tie-in to existing storm drain system (includes coring existing manhole & new collars)		2	EA	\$1,000.00		\$2,000.00
4	Pothole existing utility for new alignment		1	Lump Sum	\$3,000.00		\$3,000.00
5	Remove and replace concrete (including saw-cutting)		1	Lump Sum	\$5,000.00		\$5,000.00
6	Excavate and haul away native material		700	CY	\$20.00		\$14,000.00
7	Import gravel bedding		500	TN	\$25.00		\$12,500.00
8	Import granular barrow (including compaction)		500	TN	\$25.00		\$12,500.00
9	Import untreated base course (including compaction)		180	TN	\$30.00		\$5,400.00
10	Mobilization, Traffic Control, and Restore landscaping		1	Lump Sum	\$30,000.00		\$30,000.00
	Subtotal (Items 1-10)						\$265,600.00
11	Contingency		25%			\$66,400.00	
12	Design Engineering and Survey		10%			\$26,560.00	
13	Construction Management and Staking		10%			\$26,560.00	
	Total Construction Project (Items 1-13)						\$385,120.00

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
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		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				42 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2042 - 400 North - 1550 West to 1300 West							
1	Install new 36" RPC storm drain w/ seperation fabric	650	LF	\$260.00	\$169,000.00		
2	Provide & Install 60" storm drain manhole (includes manhole lid and ring, grout and collars)	2	EA	\$5,000.00	\$10,000.00		
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	6	EA	\$3,500.00	\$21,000.00		
4	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)	2	EA	\$6,000.00	\$12,000.00		
5	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	2	EA	\$1,000.00	\$2,000.00		
6	Remove and haul away excisting storm drain pipe	350	LF	\$20.00	\$7,000.00		
7	Remove and haul away excisting storm drain structures	7	EA	\$1,000.00	\$7,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
9	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
10	Excavate and haul away native material	750	CY	\$20.00	\$15,000.00		
11	Import gravel bedding	500	TN	\$25.00	\$12,500.00		
12	Import granular barrow (including compaction)	500	TN	\$25.00	\$12,500.00		
13	Import untreated base course (including compaction)	200	TN	\$30.00	\$6,000.00		
14	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-14)					\$312,000.00	
15	Contingency	25%			\$78,000.00		
16	Design Engineering and Survey	10%			\$31,200.00		
17	Construction Management and Staking	10%			\$31,200.00		
	Total Construction Project (Items 1-17)					\$452,400.00	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
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		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				42 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2042 -1250 West - Crossing at 75 North							
1	Install new 24" RPC storm drain w/ seperation fabric	60	LF	\$240.00	\$14,400.00		
2	Provide & Install 60" storm drain manhole (incudes manhole lid and ring, grout and collars)	2	EA	\$5,000.00	\$10,000.00		
3	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	2	EA	\$1,000.00	\$2,000.00		
4	Remove and haul away excisting storm drain pipe	60	LF	\$20.00	\$1,200.00		
5	Remove and haul away excisting storm drain structures	2	EA	\$1,000.00	\$2,000.00		
6	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
7	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
8	Pulverize and haul away asphalt (including saw-cutting)	7	CY	\$20.00	\$140.00		
9	Excavate and haul away native material	75	CY	\$20.00	\$1,500.00		
10	Import gravel bedding	45	TN	\$25.00	\$1,125.00		
11	Import granular barrow (including compaction)	50	TN	\$25.00	\$1,250.00		
12	Import untreated base course (including compaction)	20	TN	\$30.00	\$600.00		
13	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	15	TN	\$200.00	\$3,000.00		
14	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-14)					\$75,215.00	
15	Contingency	25%			\$18,803.75		
16	Design Engineering and Survey	10%			\$7,521.50		
17	Construction Management and Staking	10%			\$7,521.50		
	Total Construction Project (Items 1-17)					\$109,061.75	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
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		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				43 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION		QUANTITY	UNITS	UNIT PRICE	AMOUNT	
Project Year 2043 - 70 West - 115 N to Center Street							
1	Install new 15" RPC storm drain w/ seperation fabric		800	LF	\$180.00	\$144,000.00	
2	Provide & Install 60" storm drain manhole (includes manhole lid and ring, grout and collars)		3	EA	\$5,000.00	\$15,000.00	
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)		2	EA	\$3,500.00	\$7,000.00	
4	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)		5	EA	\$6,000.00	\$30,000.00	
5	Tie-in to existing storm drain system (includes coring existing manhole & new collars)		1	EA	\$1,000.00	\$1,000.00	
6	Remove and haul away excisting storm drain pipe		750	LF	\$20.00	\$15,000.00	
7	Remove and haul away excisting storm drain structures		9	EA	\$1,000.00	\$9,000.00	
8	Pothole existing utility for new alignment		1	Lump Sum	\$3,000.00	\$3,000.00	
9	Remove and replace concrete (including saw-cutting)		1	Lump Sum	\$5,000.00	\$5,000.00	
10	Pulverize and haul away asphalt (including saw-cutting)		70	CY	\$20.00	\$1,400.00	
11	Excavate and haul away native material		600	CY	\$20.00	\$12,000.00	
12	Import gravel bedding		350	TN	\$25.00	\$8,750.00	
13	Import granular barrow (including compaction)		700	TN	\$25.00	\$17,500.00	
14	Import untreated base course (including compaction)		200	TN	\$30.00	\$6,000.00	
15	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)		150	TN	\$200.00	\$30,000.00	
16	Mobilization, Traffic Control, and Restore landscaping		1	Lump Sum	\$30,000.00	\$30,000.00	
	Subtotal (Items 1-16)					\$334,650.00	
17	Contingency		25%			\$83,662.50	
18	Design Engineering and Survey		10%			\$33,465.00	
19	Construction Management and Staking		10%			\$33,465.00	
	Total Construction Project (Items 1-19)						\$485,242.50

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
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		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				43 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION		QUANTITY	UNITS	UNIT PRICE	AMOUNT	
Project Year 2043 - 550 South - Pitford Drive to 400 West - Pipe Lining Project							
1	Line 3 sections of 24" CMP		650	LF	\$220.00	\$143,000.00	
2	Mobilization, demobilization, bonds, permits, and Fees		1	Lump Sum	\$5,000.00	\$5,000.00	
3	Traffic control/barricading		1	Lump Sum	\$50,000.00	\$50,000.00	
	Subtotal (Items 1-3)					\$198,000.00	
4	Contingency		25%			\$49,500.00	
5	Design Engineering and Survey		10%			\$19,800.00	
6	Construction Management and Staking		10%			\$19,800.00	
	Total Construction Project (Items 1-6)					\$287,100.00	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				44 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2044 - 1275 North - 1250 West to 1300 West							
1	Install new 24" RPC storm drain w/ seperation fabric	1,000	LF	\$240.00	\$240,000.00		
2	Provide & Install 60" storm drain manhole (includes manhole lid and ring, grout and collars)	4	EA	\$5,000.00	\$20,000.00		
3	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	2	EA	\$1,000.00	\$2,000.00		
4	Remove and haul away excisting storm drain structures	2	EA	\$1,000.00	\$2,000.00		
5	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
6	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
7	Excavate and haul away native material	1,400	CY	\$20.00	\$28,000.00		
8	Import gravel bedding	900	TN	\$25.00	\$22,500.00		
9	Import granular barrow (including compaction)	1,500	TN	\$25.00	\$37,500.00		
10	Import untreated base course (including compaction)	400	TN	\$30.00	\$12,000.00		
11	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-11)					\$402,000.00	
12	Contingency	25%			\$100,500.00		
13	Design Engineering and Survey	10%			\$40,200.00		
14	Construction Management and Staking	10%			\$40,200.00		
	Total Construction Project (Items 1-14)					\$582,900.00	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
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		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				44 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION		QUANTITY	UNITS	UNIT PRICE	AMOUNT	
Project Year 2044 - Aspen Way & Poplar Circle - 400 East to 610 East							
1	Install new 12" PVC storm drain w/ seperation fabric		1,000	LF	\$65.00	\$65,000.00	
2	Provide & Install 48" storm drain manhole (incudes manhole lid and ring, grout and collars)		3	EA	\$4,500.00	\$13,500.00	
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)		5	EA	\$3,500.00	\$17,500.00	
4	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)		3	EA	\$6,000.00	\$18,000.00	
5	Tie-in to existing storm drain system (includes coring existing manhole & new collars)		3	EA	\$1,000.00	\$3,000.00	
6	Remove and haul away excisting storm drain pipe		30	LF	\$20.00	\$600.00	
7	Remove and haul away excisting storm drain structures		1	EA	\$1,000.00	\$1,000.00	
8	Pothole existing utility for new alignment		1	Lump Sum	\$3,000.00	\$3,000.00	
9	Remove and replace concrete (including saw-cutting)		1	Lump Sum	\$5,000.00	\$5,000.00	
10	Pulverize and haul away asphalt (including saw-cutting)		75	CY	\$20.00	\$1,500.00	
11	Excavate and haul away native material		600	CY	\$20.00	\$12,000.00	
12	Import gravel bedding		350	TN	\$25.00	\$8,750.00	
13	Import granular barrow (including compaction)		700	TN	\$25.00	\$17,500.00	
14	Import untreated base course (including compaction)		250	TN	\$30.00	\$7,500.00	
15	Mobilization, Traffic Control, and Restore landscaping		1	Lump Sum	\$30,000.00	\$30,000.00	
	Subtotal (Items 1-15)					\$203,850.00	
16	Contingency		25%			\$50,962.50	
17	Design Engineering and Survey		10%			\$20,385.00	
18	Construction Management and Staking		10%			\$20,385.00	
	Total Construction Project (Items 1-18)						\$295,582.50

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2045 - Willow Valley Drive to Frontage Road Swale - Pipe (3) 15" System							
1	Install new 15" RCP storm drain w/ seperation fabric	1,600	LF	\$180.00	\$288,000.00		
2	Provide & Install 48" storm drain manhole (includes manhole lid and ring, grout and collars)	2	EA	\$4,500.00	\$9,000.00		
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	3	EA	\$3,500.00	\$10,500.00		
4	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)	3	EA	\$6,000.00	\$18,000.00		
5	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	2	EA	\$1,000.00	\$2,000.00		
6	Remove and haul away excisting storm drain pipe	100	LF	\$20.00	\$2,000.00		
7	Remove and haul away excisting storm drain structures	5	EA	\$1,000.00	\$5,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
9	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
10	Pulverize and haul away asphalt (including saw-cutting)	120	CY	\$20.00	\$2,400.00		
11	Excavate and haul away native material	1,200	CY	\$20.00	\$24,000.00		
12	Import gravel bedding	650	TN	\$25.00	\$16,250.00		
13	Import granular barrow (including compaction)	1,500	TN	\$25.00	\$37,500.00		
14	Import untreated base course (including compaction)	400	TN	\$30.00	\$12,000.00		
15	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	300	TN	\$200.00	\$60,000.00		
16	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-16)					\$524,650.00	
17	Contingency	25%			\$131,162.50		
18	Design Engineering and Survey	10%			\$52,465.00		
19	Construction Management and Staking	10%			\$52,465.00		
	Total Construction Project (Items 1-19)					\$760,742.50	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
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		Owner:		Centerville City			
		Estimated by:				Project No.	
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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2045 - Main Street - 1600 North to Smoot Park							
1	Install new 12" PVC storm drain w/ seperation fabric	325	LF	\$65.00	\$21,125.00		
2	Provide & Install 48" storm drain manhole (incudes manhole lid and ring, grout and collars)	1	EA	\$4,500.00	\$4,500.00		
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	1	EA	\$3,500.00	\$3,500.00		
4	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)	2	EA	\$6,000.00	\$12,000.00		
5	Provide & Install inlet/outlet structure	1	EA	\$5,000.00	\$5,000.00		
6	Remove and haul away excisting storm drain pipe	325	LF	\$20.00	\$6,500.00		
7	Remove and haul away excisting storm drain structures	2	EA	\$1,000.00	\$2,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
9	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
10	Pulverize and haul away asphalt (including saw-cutting)	40	CY	\$20.00	\$800.00		
11	Excavate and haul away native material	250	CY	\$20.00	\$5,000.00		
12	Import gravel bedding	120	TN	\$25.00	\$3,000.00		
13	Import granular barrow (including compaction)	320	TN	\$25.00	\$8,000.00		
14	Import untreated base course (including compaction)	75	TN	\$30.00	\$2,250.00		
15	UDOT permits, fees ect.	1	Lump Sum	\$5,000.00	\$5,000.00		
16	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-16)					\$116,675.00	
17	Contingency	25%			\$29,168.75		
18	Design Engineering and Survey	10%			\$11,667.50		
19	Construction Management and Staking	10%			\$11,667.50		
	Total Construction Project (Items 1-19)					\$169,178.75	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				46 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2046 - 1825 North - Main Street to 300 East							
1	Install new 12" PVC storm drain w/ seperation fabric	2,000	LF	\$65.00	\$130,000.00		
2	Provide & Install 48" storm drain manhole (includes manhole lid and ring, grout and collars)	8	EA	\$4,500.00	\$36,000.00		
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	14	EA	\$3,500.00	\$49,000.00		
4	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)	5	EA	\$6,000.00	\$30,000.00		
5	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00		
6	Remove and haul away excisting storm drain pipe	150	LF	\$20.00	\$3,000.00		
7	Remove and haul away excisting storm drain structures	8	EA	\$1,000.00	\$8,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
9	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
10	Pulverize and haul away asphalt (including saw-cutting)	175	CY	\$20.00	\$3,500.00		
11	Excavate and haul away native material	1,200	CY	\$20.00	\$24,000.00		
12	Import gravel bedding	600	TN	\$25.00	\$15,000.00		
13	Import granular barrow (including compaction)	1,200	TN	\$25.00	\$30,000.00		
14	Import untreated base course (including compaction)	500	TN	\$30.00	\$15,000.00		
15	UDOT permits, fees ect.	1	Lump Sum	\$5,000.00	\$5,000.00		
16	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-16)					\$387,500.00	
17	Contingency	25%			\$96,875.00		
18	Design Engineering and Survey	10%			\$38,750.00		
19	Construction Management and Staking	10%			\$38,750.00		
	Total Construction Project (Items 1-19)					\$561,875.00	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
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		Owner:		Centerville City			
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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2046 - 1975 North - Main Street to 150 East							
1	Install new 12" PVC storm drain w/ seperation fabric	1,000	LF	\$65.00	\$65,000.00		
2	Provide & Install 48" storm drain manhole (includes manhole lid and ring, grout and collars)	5	EA	\$4,500.00	\$22,500.00		
3	Provide & Install storm drain inlet boxes and grates (including removal of existing, coring, collars, grouting and curb & gutter)	7	EA	\$3,500.00	\$24,500.00		
4	Provide & Install combo box (including manhole lid and ring, inlet grate, removal of existing, coring, collars, grouting and curb & gutter)	3	EA	\$6,000.00	\$18,000.00		
5	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00		
6	Remove and haul away excisting storm drain pipe	120	LF	\$20.00	\$2,400.00		
7	Remove and haul away excisting storm drain structures	4	EA	\$1,000.00	\$4,000.00		
8	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
9	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
10	Pulverize and haul away asphalt (including saw-cutting)	80	CY	\$20.00	\$1,600.00		
11	Excavate and haul away native material	600	CY	\$20.00	\$12,000.00		
12	Import gravel bedding	350	TN	\$25.00	\$8,750.00		
13	Import granular barrow (including compaction)	650	TN	\$25.00	\$16,250.00		
14	Import untreated base course (including compaction)	250	TN	\$30.00	\$7,500.00		
15	UDOT permits, fees ect.	1	Lump Sum	\$5,000.00	\$5,000.00		
16	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-16)					\$226,500.00	
17	Contingency	25%			\$56,625.00		
18	Design Engineering and Survey	10%			\$22,650.00		
19	Construction Management and Staking	10%			\$22,650.00		
	Total Construction Project (Items 1-19)					\$328,425.00	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
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		Owner:		Centerville City			
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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2047 - Future 1250 West Extension - Rick's Creek 12' x 5' Box Culvert							
1	Install new 12' x 5' box culvert	100	LF	\$1,000.00	\$100,000.00		
2	Install inlet and outlet headwall structures	2	EA	\$10,000.00	\$20,000.00		
3	Pothole existing utility for new alignment	1	Lump Sum	\$1,000.00	\$1,000.00		
4	Excavate and haul away native material	500	CY	\$20.00	\$10,000.00		
5	Import gravel bedding	100	TN	\$25.00	\$2,500.00		
6	Import granular barrow (including compaction)	100	TN	\$25.00	\$2,500.00		
7	Import untreated base course (including compaction)	25	TN	\$30.00	\$750.00		
8	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-8)					\$166,750.00	
9	Contingency	25%			\$41,687.50		
10	Design Engineering and Survey	10%			\$16,675.00		
11	Construction Management and Staking	10%			\$16,675.00		
	Total Construction Project (Items 1-11)					\$241,787.50	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				47 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2047 - Future 1250 West Extension - 1875 North (Villa de France) - 36" RCP Culvert							
1	Install new 36" RCP storm drain w/ seperation fabric	100	LF	\$260.00	\$26,000.00		
2	Install inlet and outlet structures	2	EA	\$1,000.00	\$2,000.00		
3	Pothole existing utility for new alignment	1	Lump Sum	\$1,000.00	\$1,000.00		
4	Excavate and haul away native material	500	CY	\$20.00	\$10,000.00		
5	Import gravel bedding	80	TN	\$25.00	\$2,000.00		
6	Import granular barrow (including compaction)	100	TN	\$25.00	\$2,500.00		
7	Import untreated base course (including compaction)	25	TN	\$30.00	\$750.00		
8	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-8)					\$74,250.00	
9	Contingency	25%			\$18,562.50		
10	Design Engineering and Survey	10%			\$7,425.00		
11	Construction Management and Staking	10%			\$7,425.00		
	Total Construction Project (Items 1-11)						\$107,662.50

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				48 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION		QUANTITY	UNITS	UNIT PRICE		AMOUNT
Project Year 2048 - D&RG Rick's Creek - 72" x 48" Elliptical RCP Culvert							
1	Install new 72" x 48" Elliptical RCP culvert storm drain w/ seperation fabric		100	LF	\$1,000.00		\$100,000.00
2	Install inlet and outlet structures		2	EA	\$1,000.00		\$2,000.00
3	Pothole existing utility for new alignment		1	Lump Sum	\$1,000.00		\$1,000.00
4	Excavate and haul away native material		250	CY	\$20.00		\$5,000.00
5	Import gravel bedding		175	TN	\$25.00		\$4,375.00
6	Import granular barrow (including compaction)		175	TN	\$25.00		\$4,375.00
7	Import untreated base course (including compaction)		25	TN	\$30.00		\$750.00
8	UTA permits, fees ect.		1	Lump Sum	\$5,000.00		\$5,000.00
9	Mobilization, Traffic Control, and Restore landscaping		1	Lump Sum	\$30,000.00		\$30,000.00
	Subtotal (Items 1-9)						\$152,500.00
	Davis County's Cost		75%			\$114,375.00	
	Centerville City's Cost		25%			\$38,125.00	
10	Contingency		25%			\$9,531.25	
11	Design Engineering and Survey		10%			\$3,812.50	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				48 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION		QUANTITY	UNITS	UNIT PRICE		AMOUNT
Project Year 2048 - D&RG 2075 North - 36" Culvert							
1	Install new 36" RCP storm drain w/ seperation fabric		100	LF	\$260.00		\$26,000.00
2	Install inlet and outlet structures		2	EA	\$1,000.00		\$2,000.00
3	Pothole existing utility for new alignment		1	Lump Sum	\$1,000.00		\$1,000.00
4	Excavate and haul away native material		500	CY	\$20.00		\$10,000.00
5	Import gravel bedding		80	TN	\$25.00		\$2,000.00
6	Import granular barrow (including compaction)		100	TN	\$25.00		\$2,500.00
7	Import untreated base course (including compaction)		25	TN	\$30.00		\$750.00
8	UTA permits, fees ect.		1	Lump Sum	\$5,000.00		\$5,000.00
9	Mobilization, Traffic Control, and Restore landscaping		1	Lump Sum	\$30,000.00		\$30,000.00
	Subtotal (Items 1-9)						\$79,250.00
10	Contingency		25%				\$19,812.50
11	Design Engineering and Survey		10%				\$7,925.00
12	Construction Management and Staking		10%				\$7,925.00
	Total Construction Project (Items 1-12)						\$114,912.50

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				49 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2049 - 1275 N - replace ADS with RCP							
1	Install new 24" RCP storm drain w/ seperation fabric	50	LF	\$240.00	\$12,000.00		
2	Provide & Install 60" storm drain manhole (includes manhole lid and ring, grout and collars)	2	EA	\$5,000.00	\$10,000.00		
3	Tie-in to existing storm drain system (includes coring existing manhole & new collars)	2	EA	\$1,000.00	\$2,000.00		
4	Remove and haul away excisting storm drain pipe	50	LF	\$20.00	\$1,000.00		
5	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
6	Remove and replace concrete (including saw-cutting)	1	Lump Sum	\$5,000.00	\$5,000.00		
7	Pulverize and haul away asphalt (including saw-cutting)	10	CY	\$20.00	\$200.00		
8	Excavate and haul away native material	50	CY	\$20.00	\$1,000.00		
9	Import gravel bedding	25	TN	\$25.00	\$625.00		
10	Import granular barrow (including compaction)	35	TN	\$25.00	\$875.00		
11	Import untreated base course (including compaction)	12	TN	\$30.00	\$360.00		
12	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-12)					\$66,060.00	
13	Contingency	25%			\$16,515.00		
14	Design Engineering and Survey	10%			\$6,606.00		
15	Construction Management and Staking	10%			\$6,606.00		
	Total Construction Project (Items 1-15)					\$95,787.00	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				49 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2049 - 71" x 47" CMP Culvert at Legacy Trail and Sheep Road at 1000 North							
1	Install new 72" x 48" Elliptical RCP culvert storm drain w/ seperation fabric under Legacy Trail	100	LF	\$1,000.00	\$100,000.00		
2	Install inlet and outlet structures	2	EA	\$2,500.00	\$5,000.00		
3	Pothole existing utility for new alignment	1	Lump Sum	\$1,000.00	\$1,000.00		
4	Excavate and haul away native material	200	CY	\$20.00	\$4,000.00		
5	Import gravel bedding	200	TN	\$25.00	\$5,000.00		
6	Import granular barrow (including compaction)	150	TN	\$25.00	\$3,750.00		
7	Import untreated base course (including compaction)	50	TN	\$30.00	\$1,500.00		
8	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-8)					\$150,250.00	
9	Contingency	25%			\$37,562.50		
10	Design Engineering and Survey	10%			\$15,025.00		
11	Construction Management and Staking	10%			\$15,025.00		
	Total Construction Project (Items 1-11)					\$217,862.50	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				50 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION		QUANTITY	UNITS	UNIT PRICE		AMOUNT
Project Year 2050 - Sheep Road 2075 North - 36" Culvert							
1	Install new 36" RCP storm drain w/ seperation fabric		100	LF	\$260.00		\$26,000.00
2	Install inlet and outlet structures		2	EA	\$5,000.00		\$10,000.00
3	Pothole existing utility for new alignment		1	Lump Sum	\$1,000.00		\$1,000.00
4	Excavate and haul away native material		500	CY	\$20.00		\$10,000.00
5	Import gravel bedding		80	TN	\$25.00		\$2,000.00
6	Import granular barrow (including compaction)		100	TN	\$25.00		\$2,500.00
7	Import untreated base course (including compaction)		25	TN	\$30.00		\$750.00
8	Mobilization, Traffic Control, and Restore landscaping		1	Lump Sum	\$30,000.00		\$30,000.00
	Subtotal (Items 1-8)						\$82,250.00
9	Contingency		25%				\$20,562.50
10	Design Engineering and Survey		10%				\$8,225.00
11	Construction Management and Staking		10%				\$8,225.00
	Total Construction Project (Items 1-11)						\$119,262.50

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				50 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2050 - Sheep Road Rick's Creek - 71" x 47" Elliptical RCP Culvert							
1	Install new 72" x 48" Elliptical RCP culvert storm drain w/ seperation fabric under Sheep Road	65	LF	\$1,000.00	\$65,000.00		
2	Install inlet and outlet structures	2	EA	\$2,500.00	\$5,000.00		
3	Pothole existing utility for new alignment	1	Lump Sum	\$1,000.00	\$1,000.00		
4	Excavate and haul away native material	150	CY	\$20.00	\$3,000.00		
5	Import gravel bedding	100	TN	\$25.00	\$2,500.00		
6	Import granular barrow (including compaction)	100	TN	\$25.00	\$2,500.00		
7	Import untreated base course (including compaction)	40	TN	\$30.00	\$1,200.00		
8	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-8)					\$110,200.00	
9	Contingency	25%			\$27,550.00		
10	Design Engineering and Survey	10%			\$11,020.00		
11	Construction Management and Staking	10%			\$11,020.00		
	Total Construction Project (Items 1-11)					\$159,790.00	

Appendix D

Subdrain Project Cost Estimates

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				24 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2024 - Pitford - 550 South to Tobe							
1	Install new 8" PVC subdrain w/ seperation fabric	470	LF	\$55.00	\$25,850.00		
2	Install new 4" PVC subdrain lateral w/ seperation fabric	250	LF	\$45.00	\$11,250.00		
3	Provide & Install 48" subdrain manhole (incudes manhole lid and ring, grout and collars)	3	EA	\$4,500.00	\$13,500.00		
4	Tie-in to existing subdrain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00		
5	Remove and haul away excisting subdrain pipe	470	LF	\$20.00	\$9,400.00		
6	Remove and haul away excisting subdrain structures	4	EA	\$1,000.00	\$4,000.00		
7	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
8	Remove and replace curb and gutter (including saw-cut)	100	LF	\$65.00	\$6,500.00		
9	Remove and replace sidewalk (including saw-cut)	160	SF	\$20.00	\$3,200.00		
10	Pulverize and haul away asphalt (including saw-cutting)	60	CY	\$20.00	\$1,200.00		
11	Excavate and haul away native material	750	CY	\$20.00	\$15,000.00		
12	Import gravel bedding	200	TN	\$25.00	\$5,000.00		
13	Import granular barrow (including compaction)	700	TN	\$25.00	\$17,500.00		
14	Import untreated base course (including compaction)	150	TN	\$30.00	\$4,500.00		
15	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	110	TN	\$200.00	\$22,000.00		
16	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-16)					\$172,900.00	
17	Contingency	25%			\$43,225.00		
18	Design Engineering and Survey	10%			\$17,290.00		
19	Construction Management and Staking	10%			\$17,290.00		
	Total Construction Project (Items 1-19)						\$250,705.00



ESI Engineering, Inc.

4141 West 2100 South, Suite 100
West Valley, Utah 84120
Phone (801) 263-1752

Consulting Engineers & Land Surveyors

Project: Drainage Master Plan
Storm Drain Projects
Owner: **Centerville City**

Estimated by:

Checked by:

Sheet No.
1 of 1

Project No.
26 - ###

Conceptual Estimate

ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT
Project Year 2026 - Ariane Way - 450 West to 650 West					
1	Install new 8" PVC subdrain w/ seperation fabric	1,600	LF	\$55.00	\$88,000.00
2	Install new 4" PVC subdrain lateral w/ seperation fabric	550	LF	\$45.00	\$24,750.00
3	Provide & Install 48" subdrain manhole (incudes manhole lid and ring, grout and collars)	9	EA	\$4,500.00	\$40,500.00
4	Tie-in to existing subdrain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00
5	Remove and haul away excisting subdrain pipe	1,600	LF	\$20.00	\$32,000.00
6	Remove and haul away excisting subdrain structures	10	EA	\$1,000.00	\$10,000.00
7	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00
8	Remove and replace curb and gutter (including saw-cut)	290	LF	\$65.00	\$18,850.00
9	Remove and replace sidewalk (including saw-cut)	464	SF	\$20.00	\$9,280.00
10	Pulverize and haul away asphalt (including saw-cutting)	200	CY	\$20.00	\$4,000.00
11	Excavate and haul away native material	2,500	CY	\$20.00	\$50,000.00
12	Import gravel bedding	550	TN	\$25.00	\$13,750.00
13	Import granular barrow (including compaction)	2,300	TN	\$25.00	\$57,500.00
14	Import untreated base course (including compaction)	450	TN	\$30.00	\$13,500.00
15	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	400	TN	\$200.00	\$80,000.00
16	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00
Subtotal (Items 1-16)					\$476,130.00
17	Contingency	25%			\$119,032.50
18	Design Engineering and Survey	10%			\$47,613.00
19	Construction Management and Staking	10%			\$47,613.00
Total Construction Project (Items 1-19)					\$690,388.50

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				27 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2027 - Parrish Lane - 100 East to Main Street							
1	Install new 8" PVC subdrain w/ seperation fabric	450	LF	\$55.00	\$24,750.00		
2	Install new 4" PVC subdrain lateral w/ seperation fabric	220	LF	\$45.00	\$9,900.00		
3	Provide & Install 48" subdrain manhole (incudes manhole lid and ring, grout and collars)	3	EA	\$4,500.00	\$13,500.00		
4	Tie-in to existing subdrain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00		
5	Remove and haul away excisting subdrain pipe	450	LF	\$20.00	\$9,000.00		
6	Remove and haul away excisting subdrain structures	2	EA	\$1,000.00	\$2,000.00		
7	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
8	Remove and replace curb and gutter (including saw-cut)	70	LF	\$65.00	\$4,550.00		
9	Remove and replace sidewalk (including saw-cut)	112	SF	\$20.00	\$2,240.00		
10	Pulverize and haul away asphalt (including saw-cutting)	60	CY	\$20.00	\$1,200.00		
11	Excavate and haul away native material	700	CY	\$20.00	\$14,000.00		
12	Import gravel bedding	150	TN	\$25.00	\$3,750.00		
13	Import granular barrow (including compaction)	1,200	TN	\$25.00	\$30,000.00		
14	Import untreated base course (including compaction)	150	TN	\$30.00	\$4,500.00		
15	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	120	TN	\$200.00	\$24,000.00		
16	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-16)					\$177,390.00	
17	Contingency	25%			\$44,347.50		
18	Design Engineering and Survey	10%			\$17,739.00		
19	Construction Management and Staking	10%			\$17,739.00		
	Total Construction Project (Items 1-19)					\$257,215.50	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				29 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION		QUANTITY	UNITS	UNIT PRICE	AMOUNT	
Project Year 2029 - 1850 North - 100 West to 400 West							
1	Install new 8" PVC subdrain w/ seperation fabric		1,400	LF	\$55.00	\$77,000.00	
2	Install new 4" PVC subdrain lateral w/ seperation fabric		780	LF	\$45.00	\$35,100.00	
3	Provide & Install 48" subdrain manhole (incudes manhole lid and ring, grout and collars)		7	EA	\$4,500.00	\$31,500.00	
4	Tie-in to existing subdrain system (includes coring existing manhole & new collars)		1	EA	\$1,000.00	\$1,000.00	
5	Pothole existing utility for new alignment		1	Lump Sum	\$3,000.00	\$3,000.00	
6	Remove and replace curb and gutter (including saw-cut)		280	LF	\$65.00	\$18,200.00	
7	Remove and replace sidewalk (including saw-cut)		448	SF	\$20.00	\$8,960.00	
8	Pulverize and haul away asphalt (including saw-cutting)		200	CY	\$20.00	\$4,000.00	
9	Excavate and haul away native material		2,300	CY	\$20.00	\$46,000.00	
10	Import gravel bedding		500	TN	\$25.00	\$12,500.00	
11	Import granular barrow (including compaction)		2,000	TN	\$25.00	\$50,000.00	
12	Import untreated base course (including compaction)		450	TN	\$30.00	\$13,500.00	
13	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)		350	TN	\$200.00	\$70,000.00	
14	Mobilization, Traffic Control, and Restore landscaping		1	Lump Sum	\$30,000.00	\$30,000.00	
	Subtotal (Items 1-14)					\$400,760.00	
15	Contingency		25%			\$100,190.00	
16	Design Engineering and Survey		10%			\$40,076.00	
17	Construction Management and Staking		10%			\$40,076.00	
	Total Construction Project (Items 1-17)						\$581,102.00

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				30 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION		QUANTITY	UNITS	UNIT PRICE		AMOUNT
Project Year 2030 - 1500 North Cul-de-sac on 400 West							
1	Install new 8" PVC subdrain w/ seperation fabric		350	LF	\$55.00		\$19,250.00
2	Install new 4" PVC subdrain lateral w/ seperation fabric		150	LF	\$45.00		\$6,750.00
3	Provide & Install 48" subdrain manhole (incudes manhole lid and ring, grout and collars)		1	EA	\$4,500.00		\$4,500.00
4	Tie-in to existing subdrain system (includes coring existing manhole & new collars)		1	EA	\$1,000.00		\$1,000.00
5	Pothole existing utility for new alignment		1	Lump Sum	\$3,000.00		\$3,000.00
6	Remove and replace curb and gutter (including saw-cut)		80	LF	\$65.00		\$5,200.00
7	Remove and replace sidewalk (including saw-cut)		128	SF	\$20.00		\$2,560.00
8	Pulverize and haul away asphalt (including saw-cutting)		50	CY	\$20.00		\$1,000.00
9	Excavate and haul away native material		600	CY	\$20.00		\$12,000.00
10	Import gravel bedding		150	TN	\$25.00		\$3,750.00
11	Import granular barrow (including compaction)		500	TN	\$25.00		\$12,500.00
12	Import untreated base course (including compaction)		120	TN	\$30.00		\$3,600.00
13	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)		100	TN	\$200.00		\$20,000.00
14	Mobilization, Traffic Control, and Restore landscaping		1	Lump Sum	\$30,000.00		\$30,000.00
	Subtotal (Items 1-14)						\$125,110.00
15	Contingency		25%				\$31,277.50
16	Design Engineering and Survey		10%				\$12,511.00
17	Construction Management and Staking		10%				\$12,511.00
	Total Construction Project (Items 1-17)						\$181,409.50



ESI Engineering, Inc.

4141 West 2100 South, Suite 100
West Valley, Utah 84120
Phone (801) 263-1752

Consulting Engineers & Land Surveyors

Project: Drainage Master Plan
Storm Drain Projects
Owner: **Centerville City**

Estimated by:

Checked by:

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1 of 1

Project No.
31 - ###

Conceptual Estimate

ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT
Project Year 2031 - 1600 North (Rick's Creek Way) - 100 West to 200 West					
1	Install new 8" PVC subdrain w/ seperation fabric	1,200	LF	\$55.00	\$66,000.00
2	Install new 4" PVC subdrain lateral w/ seperation fabric	520	LF	\$45.00	\$23,400.00
3	Provide & Install 48" subdrain manhole (incudes manhole lid and ring, grout and collars)	8	EA	\$4,500.00	\$36,000.00
4	Tie-in to existing subdrain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00
5	Remove and haul away excisting subdrain pipe	450	LF	\$20.00	\$9,000.00
6	Remove and haul away excisting subdrain structures	2	EA	\$1,000.00	\$2,000.00
7	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00
8	Remove and replace curb and gutter (including saw-cut)	170	LF	\$65.00	\$11,050.00
9	Remove and replace sidewalk (including saw-cut)	272	SF	\$20.00	\$5,440.00
10	Pulverize and haul away asphalt (including saw-cutting)	150	CY	\$20.00	\$3,000.00
11	Excavate and haul away native material	1,900	CY	\$20.00	\$38,000.00
12	Import gravel bedding	400	TN	\$25.00	\$10,000.00
13	Import granular barrow (including compaction)	1,500	TN	\$25.00	\$37,500.00
14	Import untreated base course (including compaction)	350	TN	\$30.00	\$10,500.00
15	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	300	TN	\$200.00	\$60,000.00
16	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00
Subtotal (Items 1-16)					\$345,890.00
17	Contingency	25%			\$86,472.50
18	Design Engineering and Survey	10%			\$34,589.00
19	Construction Management and Staking	10%			\$34,589.00
Total Construction Project (Items 1-19)					\$501,540.50

**ESI Engineering, Inc.**

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Consulting Engineers & Land SurveyorsProject: Drainage Master Plan
Storm Drain ProjectsOwner: **Centerville City**

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Project No.

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Conceptual Estimate

ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT
Project Year 2032 - 1650 North (Milky Way) - 100 West to 200 West					
1	Install new 8" PVC subdrain w/ seperation fabric	1,200	LF	\$55.00	\$66,000.00
2	Install new 4" PVC subdrain lateral w/ seperation fabric	585	LF	\$45.00	\$26,325.00
3	Provide & Install 48" subdrain manhole (incudes manhole lid and ring, grout and collars)	8	EA	\$4,500.00	\$36,000.00
4	Tie-in to existing subdrain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00
5	Remove and haul away excisting subdrain pipe	1,000	LF	\$20.00	\$20,000.00
6	Remove and haul away excisting subdrain structures	5	EA	\$1,000.00	\$5,000.00
7	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00
8	Remove and replace curb and gutter (including saw-cut)	210	LF	\$65.00	\$13,650.00
9	Remove and replace sidewalk (including saw-cut)	336	SF	\$20.00	\$6,720.00
10	Pulverize and haul away asphalt (including saw-cutting)	150	CY	\$20.00	\$3,000.00
11	Excavate and haul away native material	1,900	CY	\$20.00	\$38,000.00
12	Import gravel bedding	400	TN	\$25.00	\$10,000.00
13	Import granular barrow (including compaction)	1,500	TN	\$25.00	\$37,500.00
14	Import untreated base course (including compaction)	350	TN	\$30.00	\$10,500.00
15	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	300	TN	\$200.00	\$60,000.00
16	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00
Subtotal (Items 1-16)					\$366,695.00
17	Contingency	25%			\$91,673.75
18	Design Engineering and Survey	10%			\$36,669.50
19	Construction Management and Staking	10%			\$36,669.50
Total Construction Project (Items 1-19)					\$531,707.75



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Owner: Centerville City

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Project No.
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Conceptual Estimate

ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT
Project Year 2033 - 1800 North - 300 West to 400 West					
1	Install new 8" PVC subdrain w/ seperation fabric	450	LF	\$55.00	\$24,750.00
2	Install new 4" PVC subdrain lateral w/ seperation fabric	175	LF	\$45.00	\$7,875.00
3	Provide & Install 48" subdrain manhole (incudes manhole lid and ring, grout and collars)	3	EA	\$4,500.00	\$13,500.00
4	Tie-in to existing subdrain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00
5	Remove and haul away excisting subdrain pipe	450	LF	\$20.00	\$9,000.00
6	Remove and haul away excisting subdrain structures	2	EA	\$1,000.00	\$2,000.00
7	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00
8	Remove and replace curb and gutter (including saw-cut)	70	LF	\$65.00	\$4,550.00
9	Remove and replace sidewalk (including saw-cut)	112	SF	\$20.00	\$2,240.00
10	Pulverize and haul away asphalt (including saw-cutting)	50	CY	\$20.00	\$1,000.00
11	Excavate and haul away native material	650	CY	\$20.00	\$13,000.00
12	Import gravel bedding	200	TN	\$25.00	\$5,000.00
13	Import granular barrow (including compaction)	600	TN	\$25.00	\$15,000.00
14	Import untreated base course (including compaction)	130	TN	\$30.00	\$3,900.00
15	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	100	TN	\$200.00	\$20,000.00
16	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00
Subtotal (Items 1-16)					\$155,815.00
17	Contingency	25%			\$38,953.75
18	Design Engineering and Survey	10%			\$15,581.50
19	Construction Management and Staking	10%			\$15,581.50
Total Construction Project (Items 1-19)					\$225,931.75

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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2034 - Lewis & Clark Drive - Fremont Cir to Jim Bridger Dr / Frontage Rd Crossing							
1	Install new 8" PVC subdrain w/ seperation fabric	300	LF	\$55.00	\$16,500.00		
2	Install new 4" PVC subdrain lateral w/ seperation fabric	60	LF	\$45.00	\$2,700.00		
3	Provide & Install 48" subdrain manhole (incudes manhole lid and ring, grout and collars)	2	EA	\$4,500.00	\$9,000.00		
4	Tie-in to existing subdrain system (includes coring existing manhole & new collars)	2	EA	\$1,000.00	\$2,000.00		
5	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
6	Remove and replace curb and gutter (including saw-cut)	40	LF	\$65.00	\$2,600.00		
7	Remove and replace sidewalk (including saw-cut)	64	SF	\$20.00	\$1,280.00		
8	Pulverize and haul away asphalt (including saw-cutting)	35	CY	\$20.00	\$700.00		
9	Excavate and haul away native material	450	CY	\$20.00	\$9,000.00		
10	Import gravel bedding	100	TN	\$25.00	\$2,500.00		
11	Import granular barrow (including compaction)	400	TN	\$25.00	\$10,000.00		
12	Import untreated base course (including compaction)	90	TN	\$30.00	\$2,700.00		
13	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	60	TN	\$200.00	\$12,000.00		
14	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-14)					\$103,980.00	
15	Contingency	25%			\$25,995.00		
16	Design Engineering and Survey	10%			\$10,398.00		
17	Construction Management and Staking	10%			\$10,398.00		
	Total Construction Project (Items 1-17)					\$150,771.00	

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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2036 - 700 S. - 300 E. to 400 E., 600 S. - 300 E. to 400 E., 300 E. - 600 S. to 725 S.							
1	Install new 8" PVC subdrain w/ seperation fabric	1,200	LF	\$55.00	\$66,000.00		
2	Install new 4" PVC subdrain lateral w/ seperation fabric	730	LF	\$45.00	\$32,850.00		
3	Provide & Install 48" subdrain manhole (incudes manhole lid and ring, grout and collars)	8	EA	\$4,500.00	\$36,000.00		
4	Tie-in to existing subdrain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00		
5	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
6	Remove and replace curb and gutter (including saw-cut)	230	LF	\$65.00	\$14,950.00		
7	Remove and replace sidewalk (including saw-cut)	368	SF	\$20.00	\$7,360.00		
8	Pulverize and haul away asphalt (including saw-cutting)	150	CY	\$20.00	\$3,000.00		
9	Excavate and haul away native material	2,000	CY	\$20.00	\$40,000.00		
10	Import gravel bedding	450	TN	\$25.00	\$11,250.00		
11	Import granular barrow (including compaction)	1,700	TN	\$25.00	\$42,500.00		
12	Import untreated base course (including compaction)	400	TN	\$30.00	\$12,000.00		
13	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	230	TN	\$200.00	\$46,000.00		
14	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-14)					\$345,910.00	
15	Contingency	25%			\$86,477.50		
16	Design Engineering and Survey	10%			\$34,591.00		
17	Construction Management and Staking	10%			\$34,591.00		
	Total Construction Project (Items 1-17)					\$501,569.50	

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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2037 - Tobe Drive - 350 West to 400 West							
1	Install new 8" PVC subdrain w/ seperation fabric	750	LF	\$55.00	\$41,250.00		
2	Install new 4" PVC subdrain lateral w/ seperation fabric	400	LF	\$45.00	\$18,000.00		
3	Provide & Install 48" subdrain manhole (incudes manhole lid and ring, grout and collars)	5	EA	\$4,500.00	\$22,500.00		
4	Tie-in to existing subdrain system (includes coring existing manhole & new collars)	2	EA	\$1,000.00	\$2,000.00		
5	Remove and haul away excisting subdrain pipe	750	LF	\$20.00	\$15,000.00		
6	Remove and haul away excisting subdrain structures	5	EA	\$1,000.00	\$5,000.00		
7	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
8	Remove and replace curb and gutter (including saw-cut)	160	LF	\$65.00	\$10,400.00		
9	Remove and replace sidewalk (including saw-cut)	256	SF	\$20.00	\$5,120.00		
10	Pulverize and haul away asphalt (including saw-cutting)	90	CY	\$20.00	\$1,800.00		
11	Excavate and haul away native material	1,200	CY	\$20.00	\$24,000.00		
12	Import gravel bedding	250	TN	\$25.00	\$6,250.00		
13	Import granular barrow (including compaction)	1,000	TN	\$25.00	\$25,000.00		
14	Import untreated base course (including compaction)	220	TN	\$30.00	\$6,600.00		
15	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	180	TN	\$200.00	\$36,000.00		
16	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-16)					\$251,920.00	
17	Contingency	25%			\$62,980.00		
18	Design Engineering and Survey	10%			\$25,192.00		
19	Construction Management and Staking	10%			\$25,192.00		
	Total Construction Project (Items 1-19)					\$365,284.00	



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Project: Drainage Master Plan
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Project No.
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Conceptual Estimate

ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT
Project Year 2039 - Mountain View Drive & Creek View Drive					
1	Install new 8" PVC subdrain w/ seperation fabric	1,250	LF	\$55.00	\$68,750.00
2	Install new 4" PVC subdrain lateral w/ seperation fabric	690	LF	\$45.00	\$31,050.00
3	Provide & Install 48" subdrain manhole (incudes manhole lid and ring, grout and collars)	8	EA	\$4,500.00	\$36,000.00
4	Tie-in to existing subdrain system (includes coring existing manhole & new collars)	2	EA	\$1,000.00	\$2,000.00
5	Remove and haul away excisting subdrain pipe	500	LF	\$20.00	\$10,000.00
6	Remove and haul away excisting subdrain structures	4	EA	\$1,000.00	\$4,000.00
7	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00
8	Remove and replace curb and gutter (including saw-cut)	290	LF	\$65.00	\$18,850.00
9	Remove and replace sidewalk (including saw-cut)	464	SF	\$20.00	\$9,280.00
10	Pulverize and haul away asphalt (including saw-cutting)	150	CY	\$20.00	\$3,000.00
11	Excavate and haul away native material	1,900	CY	\$20.00	\$38,000.00
12	Import gravel bedding	400	TN	\$25.00	\$10,000.00
13	Import granular barrow (including compaction)	1,500	TN	\$25.00	\$37,500.00
14	Import untreated base course (including compaction)	330	TN	\$30.00	\$9,900.00
15	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	280	TN	\$200.00	\$56,000.00
16	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00
Subtotal (Items 1-16)					\$367,330.00
17	Contingency	25%			\$91,832.50
18	Design Engineering and Survey	10%			\$36,733.00
19	Construction Management and Staking	10%			\$36,733.00
Total Construction Project (Items 1-19)					\$532,628.50



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Project No.
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Conceptual Estimate

ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT
Project Year 2041 - Canyon Breeze Drive					
1	Install new 8" PVC subdrain w/ seperation fabric	1,300	LF	\$55.00	\$71,500.00
2	Install new 4" PVC subdrain lateral w/ seperation fabric	655	LF	\$45.00	\$29,475.00
3	Provide & Install 48" subdrain manhole (incudes manhole lid and ring, grout and collars)	8	EA	\$4,500.00	\$36,000.00
4	Tie-in to existing subdrain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00
5	Remove and haul away excisting subdrain pipe	1,100	LF	\$20.00	\$22,000.00
6	Remove and haul away excisting subdrain structures	4	EA	\$1,000.00	\$4,000.00
7	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00
8	Remove and replace curb and gutter (including saw-cut)	250	LF	\$65.00	\$16,250.00
9	Remove and replace sidewalk (including saw-cut)	400	SF	\$20.00	\$8,000.00
10	Pulverize and haul away asphalt (including saw-cutting)	150	CY	\$20.00	\$3,000.00
11	Excavate and haul away native material	1,900	CY	\$20.00	\$38,000.00
12	Import gravel bedding	400	TN	\$25.00	\$10,000.00
13	Import granular barrow (including compaction)	1,600	TN	\$25.00	\$40,000.00
14	Import untreated base course (including compaction)	350	TN	\$30.00	\$10,500.00
15	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	300	TN	\$200.00	\$60,000.00
16	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00
Subtotal (Items 1-16)					\$382,725.00
17	Contingency	25%			\$95,681.25
18	Design Engineering and Survey	10%			\$38,272.50
19	Construction Management and Staking	10%			\$38,272.50
Total Construction Project (Items 1-19)					\$554,951.25

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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2043 - 400 West - 1500 North to 1375 North							
1	Install new 8" PVC subdrain w/ seperation fabric	1,300	LF	\$55.00	\$71,500.00		
2	Install new 4" PVC subdrain lateral w/ seperation fabric	210	LF	\$45.00	\$9,450.00		
3	Provide & Install 48" subdrain manhole (incudes manhole lid and ring, grout and collars)	10	EA	\$4,500.00	\$45,000.00		
4	Tie-in to existing subdrain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00		
5	Remove and haul away excisting subdrain pipe	1,200	LF	\$20.00	\$24,000.00		
6	Remove and haul away excisting subdrain structures	10	EA	\$1,000.00	\$10,000.00		
7	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
8	Remove and replace curb and gutter (including saw-cut)	140	LF	\$65.00	\$9,100.00		
9	Remove and replace sidewalk (including saw-cut)	224	SF	\$20.00	\$4,480.00		
10	Pulverize and haul away asphalt (including saw-cutting)	200	CY	\$20.00	\$4,000.00		
11	Excavate and haul away native material	2,000	CY	\$20.00	\$40,000.00		
12	Import gravel bedding	400	TN	\$25.00	\$10,000.00		
13	Import granular barrow (including compaction)	1,600	TN	\$25.00	\$40,000.00		
14	Import untreated base course (including compaction)	350	TN	\$30.00	\$10,500.00		
15	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	400	TN	\$200.00	\$80,000.00		
16	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-16)					\$392,030.00	
17	Contingency	25%			\$98,007.50		
18	Design Engineering and Survey	10%			\$39,203.00		
19	Construction Management and Staking	10%			\$39,203.00		
	Total Construction Project (Items 1-19)					\$568,443.50	

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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2044 - 100 West Cul-de-sac on 1450 North							
1	Install new 8" PVC subdrain w/ seperation fabric	400	LF	\$55.00	\$22,000.00		
2	Install new 4" PVC subdrain lateral w/ seperation fabric	200	LF	\$45.00	\$9,000.00		
3	Provide & Install 48" subdrain manhole (incudes manhole lid and ring, grout and collars)	2	EA	\$4,500.00	\$9,000.00		
4	Tie-in to existing subdrain system (includes coring existing manhole & new collars)	2	EA	\$1,000.00	\$2,000.00		
5	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
6	Remove and replace curb and gutter (including saw-cut)	70	LF	\$65.00	\$4,550.00		
7	Remove and replace sidewalk (including saw-cut)	112	SF	\$20.00	\$2,240.00		
8	Pulverize and haul away asphalt (including saw-cutting)	50	CY	\$20.00	\$1,000.00		
9	Excavate and haul away native material	625	CY	\$20.00	\$12,500.00		
10	Import gravel bedding	150	TN	\$25.00	\$3,750.00		
11	Import granular barrow (including compaction)	550	TN	\$25.00	\$13,750.00		
12	Import untreated base course (including compaction)	120	TN	\$30.00	\$3,600.00		
13	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	100	TN	\$200.00	\$20,000.00		
14	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-14)					\$136,390.00	
15	Contingency	25%			\$34,097.50		
16	Design Engineering and Survey	10%			\$13,639.00		
17	Construction Management and Staking	10%			\$13,639.00		
	Total Construction Project (Items 1-17)					\$197,765.50	

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Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION			QUANTITY	UNITS	UNIT PRICE	AMOUNT
Project Year 2045 - 850 South / 780 South - 150 West (Slip-Line)							
1	Line 3 sections of 8" CMP			450	LF	\$180.00	\$81,000.00
2	Mobilization, demobilization, bonds, permits, and Fees			1	Lump Sum	\$5,000.00	\$5,000.00
3	Traffic control/barricading			1	Lump Sum	\$50,000.00	\$50,000.00
	Subtotal (Items 1-3)						\$136,000.00
4	Contingency			25%			\$34,000.00
5	Design Engineering and Survey			10%			\$13,600.00
6	Construction Management and Staking			10%			\$13,600.00
	Total Construction Project (Items 1-6)						\$197,200.00

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				46 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2046 - Lund Lane - 700 West to 200 West							
1	Install new 8" PVC subdrain w/ seperation fabric	1,000	LF	\$55.00	\$55,000.00		
2	Install new 4" PVC subdrain lateral w/ seperation fabric	100	LF	\$45.00	\$4,500.00		
3	Provide & Install 48" subdrain manhole (incudes manhole lid and ring, grout and collars)	4	EA	\$4,500.00	\$18,000.00		
4	Tie-in to existing subdrain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00		
5	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
6	Remove and replace curb and gutter (including saw-cut)	100	LF	\$65.00	\$6,500.00		
7	Remove and replace sidewalk (including saw-cut)	160	SF	\$20.00	\$3,200.00		
8	Pulverize and haul away asphalt (including saw-cutting)	100	CY	\$20.00	\$2,000.00		
9	Excavate and haul away native material	1,200	CY	\$20.00	\$24,000.00		
10	Import gravel bedding	300	TN	\$25.00	\$7,500.00		
11	Import granular barrow (including compaction)	1,000	TN	\$25.00	\$25,000.00		
12	Import untreated base course (including compaction)	230	TN	\$30.00	\$6,900.00		
13	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	200	TN	\$200.00	\$40,000.00		
14	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-14)					\$226,600.00	
15	Contingency	25%			\$56,650.00		
16	Design Engineering and Survey	10%			\$22,660.00		
17	Construction Management and Staking	10%			\$22,660.00		
	Total Construction Project (Items 1-17)					\$328,570.00	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				47 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2047 - Freedom Hills Park SE Corner - Sub-drain & Duncan Spring							
1	Install new 8" PVC subdrain w/ seperation fabric	250	LF	\$55.00	\$13,750.00		
2	Provide & Install 48" subdrain manhole (incudes manhole lid and ring, grout and collars)	3	EA	\$4,500.00	\$13,500.00		
3	Outlet structure	1	EA	\$5,000.00	\$5,000.00		
4	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
5	Pulverize and haul away asphalt (including saw-cutting)	2	CY	\$20.00	\$40.00		
6	Excavate and haul away native material	300	CY	\$20.00	\$6,000.00		
7	Import gravel bedding	70	TN	\$25.00	\$1,750.00		
8	Import granular barrow (including compaction)	520	TN	\$25.00	\$13,000.00		
9	Import untreated base course (including compaction)	5	TN	\$30.00	\$150.00		
10	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	2	TN	\$200.00	\$400.00		
11	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-11)					\$86,590.00	
12	Contingency	25%			\$21,647.50		
13	Design Engineering and Survey	10%			\$8,659.00		
14	Construction Management and Staking	10%			\$8,659.00		
	Total Construction Project (Items 1-14)					\$125,555.50	

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				48 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION			QUANTITY	UNITS	UNIT PRICE	AMOUNT
Project Year 2048 - 2100 North - 400 West to Churchill Drive (in back yards of 2115 North & 2101 North)							
1	Line 3 sections of 8" CMP			650	LF	\$180.00	\$117,000.00
2	Mobilization, demobilization, bonds, permits, and Fees			1	Lump Sum	\$5,000.00	\$5,000.00
3	Traffic control/barricading			1	Lump Sum	\$50,000.00	\$50,000.00
	Subtotal (Items 1-3)						\$172,000.00
4	Contingency			25%			\$43,000.00
5	Design Engineering and Survey			10%			\$17,200.00
6	Construction Management and Staking			10%			\$17,200.00
	Total Construction Project (Items 1-6)						\$249,400.00

 ESI Engineering, Inc. 4141 West 2100 South, Suite 100 West Valley, Utah 84120 Phone (801) 263-1752 Consulting Engineers & Land Surveyors		Project:		Drainage Master Plan		Sheet No.	
				Storm Drain Projects		1 of 1	
		Owner:		Centerville City			
		Estimated by:				Project No.	
		Checked by:				49 - ###	
Conceptual Estimate							
ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT		
Project Year 2049 - 150 West - 845 South to 780 South							
1	Install new 8" PVC subdrain w/ seperation fabric	230	LF	\$55.00	\$12,650.00		
2	Install new 4" PVC subdrain lateral w/ seperation fabric	40	LF	\$45.00	\$1,800.00		
3	Provide & Install 48" subdrain manhole (incudes manhole lid and ring, grout and collars)	2	EA	\$4,500.00	\$9,000.00		
4	Tie-in to existing subdrain system (includes coring existing manhole & new collars)	3	EA	\$1,000.00	\$3,000.00		
5	Remove and haul away excisting subdrain structures	2	EA	\$1,000.00	\$2,000.00		
6	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00		
7	Remove and replace curb and gutter (including saw-cut)	40	LF	\$65.00	\$2,600.00		
8	Remove and replace sidewalk (including saw-cut)	64	SF	\$20.00	\$1,280.00		
9	Pulverize and haul away asphalt (including saw-cutting)	25	CY	\$20.00	\$500.00		
10	Excavate and haul away native material	325	CY	\$20.00	\$6,500.00		
11	Import gravel bedding	80	TN	\$25.00	\$2,000.00		
12	Import granular barrow (including compaction)	300	TN	\$25.00	\$7,500.00		
13	Import untreated base course (including compaction)	350	TN	\$30.00	\$10,500.00		
14	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	50	TN	\$200.00	\$10,000.00		
15	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00		
	Subtotal (Items 1-15)					\$102,330.00	
16	Contingency	25%			\$25,582.50		
17	Design Engineering and Survey	10%			\$10,233.00		
18	Construction Management and Staking	10%			\$10,233.00		
	Total Construction Project (Items 1-18)					\$148,378.50	



ESI Engineering, Inc.

4141 West 2100 South, Suite 100
West Valley, Utah 84120
Phone (801) 263-1752

Consulting Engineers & Land Surveyors

Project: Drainage Master Plan
Storm Drain Projects
Owner: Centerville City

Estimated by:

Checked by:

Sheet No.
1 of 1

Project No.
50 - ###

Conceptual Estimate

ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	AMOUNT
Project Year 2050 - 2075 North / 725 West					
1	Install new 8" PVC subdrain w/ seperation fabric	1,000	LF	\$55.00	\$55,000.00
2	Install new 4" PVC subdrain lateral w/ seperation fabric	275	LF	\$45.00	\$12,375.00
3	Provide & Install 48" subdrain manhole (incudes manhole lid and ring, grout and collars)	6	EA	\$4,500.00	\$27,000.00
4	Tie-in to existing subdrain system (includes coring existing manhole & new collars)	1	EA	\$1,000.00	\$1,000.00
5	Remove and haul away excisting subdrain pipe	1,000	LF	\$20.00	\$20,000.00
6	Remove and haul away excisting subdrain structures	7	EA	\$1,000.00	\$7,000.00
7	Pothole existing utility for new alignment	1	Lump Sum	\$3,000.00	\$3,000.00
8	Remove and replace curb and gutter (including saw-cut)	170	LF	\$65.00	\$11,050.00
9	Remove and replace sidewalk (including saw-cut)	272	SF	\$20.00	\$5,440.00
10	Pulverize and haul away asphalt (including saw-cutting)	110	CY	\$20.00	\$2,200.00
11	Excavate and haul away native material	1,500	CY	\$20.00	\$30,000.00
12	Import gravel bedding	320	TN	\$25.00	\$8,000.00
13	Import granular barrow (including compaction)	1,300	TN	\$25.00	\$32,500.00
14	Import untreated base course (including compaction)	280	TN	\$30.00	\$8,400.00
15	Asphalt patching (PG-58-28, DM 1/2", 50 gyrations, 15% max. RAP)	230	TN	\$200.00	\$46,000.00
16	Mobilization, Traffic Control, and Restore landscaping	1	Lump Sum	\$30,000.00	\$30,000.00
Subtotal (Items 1-16)					\$298,965.00
17	Contingency	25%			\$74,741.25
18	Design Engineering and Survey	10%			\$29,896.50
19	Construction Management and Staking	10%			\$29,896.50
Total Construction Project (Items 1-19)					\$433,499.25

CENTERVILLE
city
CITY COUNCIL

Staff Report

3/18/2025

Item No. 3.

Title: Assignment and Assumption Agreement - Centerville Corporate Park - Lot 1 and Lot 201

Initiated By: Michael Petrogeorge, Marketplace 24, LLC

Staff Representative: Lisa Romney, City Attorney

SUBJECT:

Consider the Assignment and Assumption Agreement between the City, RDA, J&S Purpura Ventures, LLC, and Marketplace 24, LLC for Lot 1 and Lot 201 of the Centerville Corporate Park

RECOMMENDATION:

Approve the Assignment and Assumption Agreement between the City, RDA, J&S Purpura Ventures, LLC, and Marketplace 24, LLC for Lot 1 and Lot 201 of the Centerville Corporate Park.

BACKGROUND:

The City and RDA have previously entered into governing documents for the development of property within the Centerville Corporate Park Subdivision located at approximately 400 West and Parrish Lane. Such documents have been recorded against all property within the project area, subjecting all property and property owners to the terms and conditions of the governing documents. Prior to transferring any interests or rights in the project, the parties must obtain prior written consent of the City and RDA. In addition, any future assignee is required to consent in writing to be bound by the terms and conditions of the governing documents. Marketplace 24, LLC has recently purchased Lot 1 and Lot 201 within the Centerville Corporate Park Subdivision from J&S Purpura Ventures, LLC. The attached Assignment and Assumption Agreement has been prepared for purposes of assigning rights and obligations from J&S Purpura Ventures, LLC to Marketplace 24 LLC, in accordance with requirements of the governing documents.

ATTACHMENTS:

1. Assignment Agreement - Centerville Corporate Park - Marketplace 24, LLC

When recorded, return to:

Centerville City
Attn: City Recorder
250 North Main Street
Centerville, Utah 84014

Affects Parcel: 02-184-0004, 02-236-0201

**ASSIGNMENT AND ASSUMPTION AGREEMENT
(Lot 1 and Lot 201)**

THIS ASSIGNMENT AND ASSUMPTION AGREEMENT (this "Agreement") is made and entered into as of the _____ day of _____, 2024, by and between **J&S PURPURA VENTURES, LLC**, a Delaware corporation ("Assignor"), **MARKETPLACE 24, LLC**, a Utah limited liability company ("Assignee"), **CENTERVILLE CITY**, a Utah municipal corporation ("City"), and the **REDEVELOPMENT AGENCY OF CENTERVILLE CITY**, a community development and renewal agency and public body organized and existing under the Limited Purpose Local Government Entities – Community Development and Renewal Agencies Act of the State of Utah ("RDA"), collectively, the "Parties", or individually, a "Party".

RECITALS:

WHEREAS, Assignor and the City and/or the RDA have previously entered into certain governing documents for the development of property within the Centerville City Corporate Park Subdivision and the Centerville Corporate Park Subdivision (Amended) located at approximately 400 West and Parrish Lane, in Centerville, Utah, which property is more particularly described in **Exhibit "A,"** attached hereto and incorporated herein by this reference ("Property");

WHEREAS, such governing documents for development of the Property include the following: Parrish Lane Gateway Neighborhood Development Plan dated August 1, 1989, as amended; Grant of Easements and Restrictions for the Centerville Corporate Park Subdivision dated June 23, 2000, as amended; Development Agreement dated May, 24, 2000, as amended; Agreement for Disposition of Land for Private Development dated April 19, 2000, as amended; Agreement and Option Agreement dated October 11, 2006, as amended; and Conditional Use Permit for Planned Center dated May 10, 2000,

as amended; deed restrictions, conditions, and covenants as disclosed by Special Warranty Deed, and any plat notes affecting the same ("Governing Documents"); and

WHEREAS, Assignee desires to purchase or has purchased a portion of the Property known as Lot 1 and Lot 201 which lots are more particularly described in **Exhibit "B,"** attached hereto and incorporated herein by this reference ("Lot 1 and Lot 201"); and

WHEREAS, Assignor desires to assign all of Assignor's rights and obligations under the Governing Documents as they relate to Lot 1 and Lot 201 to Assignee under the terms and conditions of the Governing Documents as more particularly provided herein; and

WHEREAS, the Parties are entering into this Agreement in order to effect an assignment by Assignor and acceptance and assumption by Assignee of the Governing Documents as they pertain to Lot 1 and Lot 201 and any other property within the project which Assignee has an interest, as more particularly provided herein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Parties agree as follows:

1. Assignment and Assumption. Assignor hereby assigns to Assignee all of Assignor's right, title and interest in and to the Governing Documents as they pertain to Lot 1 and Lot 201, together with Assignor's rights, powers and privileges thereunder existing from and after the date of this Agreement. Assignee hereby accepts the same and assumes the rights and responsibilities of the Governing Documents as they pertain to Lot 1 and Lot 201 and agrees to timely pay and perform each and every obligation to be paid and performed under the Governing Documents as they pertain to Lot 1 and Lot 201 from and after the date of this Agreement. Assignee agrees to be bound by the terms of the Governing Documents and to be liable for the performance of each of the obligations contained in the Governing Documents as they relate to Lot 1 and Lot 201 and any other applicable obligation. Assignee shall be deemed to be an "Owner" separate and distinct from the Owner of any other Lot and each Lot 1 and Lot 201 shall be deemed to be a "Lot" for all purposes of the Governing Documents.

2. Subdivision Plat Approval. Assignee agrees to be bound by all the terms and conditions of the amended subdivision/lot line adjustment approval by the City for the Centerville Corporate Park Subdivision – Second Amended.

3. Acknowledgment of Recording. Assignee hereby acknowledges the recording of the Development Agreement against the Property and authorizes the recording of this Assignment against Lot 1 and Lot 201 and any other property within the project in which Assignee has an interest.

4. Successors and Assigns. This Agreement shall bind the Parties, their personal representatives, successors and assigns. Any assignment of the rights and

duties of Assignee as assigned herein shall be subject to and comply with the terms of the Development Agreement, including, but not limited to Section 9 of the Development Agreement.

5. Effective Date of Assignment. The provisions of this Agreement shall become effective immediately upon proper execution by the Parties.

6. Miscellaneous. Nothing herein shall be deemed to create the relationship of principal and agent, partnership or joint venture between the Parties. This Agreement shall be interpreted and construed only by the contents hereof and there shall be no presumption or standard of construction in favor of or against any Party. This Agreement may be amended or modified only in writing. The invalidity or unenforceability of any provision of this Agreement, as determined by a court, shall in no way affect the validity or enforceability of any of the remaining provisions hereof. This Agreement shall be construed according to and governed by the laws of the State of Utah.

[Signature page to follow]

IN WITNESS WHEREOF, this Agreement has been executed as of the date first above written.

"Assignor"

J&S PURPURA VENTURES, LLC

By: _____
Its: _____

"Assignee"

MARKETPLACE 24, LLC

By: _____
Its: _____

"City"

CENTERVILLE CITY

Mayor Clark A. Wilkinson

ATTEST:

Jennifer Robison, City Recorder

"RDA"

**REDEVELOPMENT AGENCY OF
CENTERVILLE CITY**

Clark A. Wilkinson, Chair

ATTEST:

Secretary

STATE OF UTAH)
 : ss.
COUNTY OF DAVIS)

Residing at:

STATE OF _____)
: ss.
COUNTY OF _____)

Residing at:

MARKETPLACE 24, LLC ACKNOWLEDGMENT

STATE OF _____)
: ss.
COUNTY OF _____)

On the ____ day of _____, 2024, personally appeared before me _____, who being by me duly sworn did say that he/she is the managing member of **MARKETPLACE 24, LLC**, a Utah limited liability company, and that the foregoing instrument was signed on behalf of said limited liability company by authority of its Articles of Organization and duly acknowledged to me that said limited liability company executed the same.

Notary Public

My Commission Expires: _____ Residing at: _____

RDA ACKNOWLEDGMENT

STATE OF UTAH)
: ss.
COUNTY OF DAVIS)

On the ____ day of _____, 2024, personally appeared before me Clark A. Wilkinson, who being duly sworn by me did say that he is the Chairperson of the **REDEVELOPMENT AGENCY OF CENTERVILLE CITY**, a community development and renewal agency and public body organized and existing under the Limited Purpose Local Government Entities – Community Development and Renewal Agencies Act of the State of Utah, and that the forgoing instrument was signed on behalf of said Agency by authority of its Board and said Chairperson acknowledged to me that said Agency executed the same.

Notary Public

My Commission Expires: _____ Residing at: _____

EXHIBIT "A"

Legal Description and Subdivision Plats of Property

All of the Centerville Corporate Park Subdivision and the Centerville Corporate Park Subdivision (Amended) located in Centerville City, Davis County, Utah, according to the official plat thereof as recorded at the Davis County Recorder's Office, State of Utah

EXHIBIT "B"

Legal Description of Lot 1 and Lot 201

All of Lot 1 of the Centerville Corporate Park Subdivision located in Centerville City, Davis County, Utah, according to the official plat thereof as recorded at the Davis County Recorder's Office, State of Utah

and

All of Lot 201 of the Centerville Corporate Park Subdivision (Amended) located in Centerville City, Davis County, Utah, according to the official plat thereof as recorded at the Davis County Recorder's Office, State of Utah

CENTERVILLE
city
CITY COUNCIL

Staff Report

3/18/2025

Item No. 4.

Title: Sidewalk Deferral Agreement - 1175 West 500 North - Kenny Knighton

Initiated By: Kenny Knighton, Applicant

Staff Representative: Mike Carlson, Public Works Director, Lisa Romney, City Attorney

SUBJECT:

Consider request for the deferral of sidewalk and parkstrip improvements along the frontage of 1250 West and 500 North for property located at 1175 West 500 North and consider approval of associated Sidewalk Deferral Agreement between the City and 1175 West, LLC

RECOMMENDATION:

Staff recommends approval of the requested deferral of sidewalk and parkstrip improvements along the frontage of 1250 West and 500 North for property located at 1175 West 500 North and approval of associated Sidewalk Deferral Agreement between the City and 1175 West, LLC.

BACKGROUND:

Kenny Knighton, as member/manager of 1175 West, LLC, is in the process of leasing to a new tenant and developer property located at 1175 West 500 North. The property consists of approximately 1.88 acres. The property frontage along 1250 West and 500 North does not have improved sidewalks or parkstrip. Most of the businesses within the vicinity of the subject property and along 500 North do not have sidewalks or parkstrips. Kenny Knighton, on behalf of 1175 West, LLC, has requested a deferral of the required sidewalk and parkstrip improvements for the property. Since most of the businesses in the vicinity of the property do not have sidewalks and because of planned improvements to 1250 West and the installation of a roundabout at 500 North planned for the near future, Staff recommends approval of the deferral request. Pursuant to CMC 10.04.170, the City Council must determine there is good cause for the deferral and that the deferral meets the requirements of CMC 10.04.170(f). Staff finds the requested deferral meets the required factors set forth in CMC 10.04.170 and recommends approval of the Sidewalk Deferral Agreement.

ATTACHMENTS:

1. Deferral Agreement - 1175 West, LLC - Kenny Knighton
2. 1175 West 500 North - Vicinity Aerial Map
3. CMC 10.04.170

WHEN RECORDED, RETURN TO:

Centerville City Recorder
250 North Main Street
Centerville, Utah 84014

Affects Parcel No.: 06-010-0010

**SIDEWALK DEFERRAL AGREEMENT
OBLIGATION FOR FUTURE CONSTRUCTION OF IMPROVEMENTS**

(1175 West 500 North)

THIS AGREEMENT ("Agreement") is made and entered into this _____ day of _____, 2025, by and between **CENTERVILLE CITY**, a municipal corporation, whose address is 250 North Main Street, Centerville, Utah, 84014 (hereinafter referred to as "City"), and **1175 WEST, LLC**, a limited liability company, whose address is 310 South Main Street, Bountiful, Utah 84010 (hereinafter referred to as "Owner").

RECITALS:

WHEREAS, Owner has applied for land use approvals to develop commercial property located at approximately 1175 West 500 North, Centerville, Utah, which property is more particularly described in Exhibit "A," attached hereto and incorporated herein by this reference (hereinafter referred to as the "Property"); and

WHEREAS, the frontage of the Property does not have sidewalk improvements as required by City Ordinances generally require the installation of public improvements along streets fronting property to be subdivided or developed; and

WHEREAS, the City is willing to grant Owner a deferral of the obligation to install public sidewalks along the Property's street frontage on 1250 West and 500 North in exchange for Owner's promise to pay for and install such Sidewalk Improvements in the future as more particularly provided in and subject to the terms and conditions set forth in this Agreement;

NOW, THEREFORE, in consideration of the mutual covenants contained herein, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereby agree as follows:

1. Installation of Improvements. The City hereby grants Owner a temporary deferral of the obligation to install public improvements required for development of the Property to include the deferral of the installation of public sidewalks and parkstrip improvements along the Property's entire street frontage along 1250 West and 500 North, Centerville City, Davis

County, Utah ("Sidewalk Improvements"). Such deferral is granted until such time: (1) the City provides written request and demand to the Owner to install the Sidewalk Improvements; or (2) written notice of the City's intent to proceed with the installation of the Sidewalk Improvements and to charge the Owner for such costs associated with installation of the Sidewalk Improvements. If the City requests the Owner to install the Sidewalk Improvements, Owner shall have 180 days from the date of written request and demand from the City to install the improvements. If the City decides to install the improvements and to charge the Owner for the costs associated with installation, the City may proceed with installing such improvements within 30 days from the date of written notice and Owner shall be required to pay the City the actual cost of installing the Sidewalk Improvements within 180 days from the date of written notice. Owner, or Owner's successor in interest as Owner of the Property, hereby agrees to install the Sidewalk Improvements required for the Property at its sole cost and expense upon written request and demand by the City or to pay the City the amount due and owing for the City to install or have installed the Sidewalk Improvements, as directed by the City and provided herein. It is expressly understood and agreed that the City is granting this temporary extension of time to install the Sidewalk Improvements to Owner conditioned upon and subject to the promised future performance by Owner to install the Sidewalk Improvements or to pay the City to install the Sidewalk Improvements as more particularly provided in this Agreement.

2. Installation of Sidewalk Improvements. If the Sidewalk Improvements are installed by the Owner, Owner's authorized agents, representatives, or contractors, shall install the Sidewalk Improvements in strict accordance with all applicable City standards, specifications, ordinances, rules, and regulations regarding sidewalks, parkstrips, landscaping, and public improvements, including compliance with all permit requirements for work within the public right-of-way, which are in effect at the time the Sidewalk Improvements are installed. The Sidewalk Improvements shall be installed in accordance with the City standard street cross section in effect at the time the Sidewalk Improvements are installed. It is expressly acknowledged by Owner that in order to install the Sidewalk Improvements described herein, certain improvements and work may have to be done on Owner's Property to accommodate the installation of the Sidewalk Improvements. Owner's obligation to install the Sidewalk Improvements or to pay for such improvements installed by the City shall include any and all work within the public right-of-way as well as on Owner's Property necessary to install the Sidewalk Improvements, such as grading, retaining walls, landscaping, irrigation or utility line removal or relocation, etc. No vertical landscaping or structures, such as bushes, trees, fences, retaining walls, or retaining slopes, shall be allowed in the public right-of-way or within the area eight feet back of curb and cutter, whichever is greater.

3. Failure to Install. If, for any reason, Owner does not install and complete the Sidewalk Improvements or pay the City the amount due and owing for the City to install the Sidewalk Improvements within 180 days after having been requested in writing by City to do so, the City is hereby authorized to install and complete the Sidewalk Improvements at the sole expense of the Owner at that time and to charge the Owner and/or the Property with the cost of said installation and completion. The costs incurred by the City to install and complete the Sidewalk Improvements shall be an obligation of the Owner and shall be promptly paid by the Owner. Upon the failure of Owner to do so, these costs shall become a charge on the Property described herein and shall be a continuing lien upon the Property, together with interest thereon at ten percent (10%) per annum, and all costs and reasonable attorney's fees incurred by the City. The City may commence an action against the Owner to collect the foregoing charges and to foreclose the lien against the Property. Upon foreclosure of the lien provided herein by the City, should any deficiency remain, Owner shall remain liable for payment of the deficiency.

4. Fee Title Owner. Owner hereby represents and warrants that Owner owns fee title interest to the Property and further hereby confesses judgment for Owner, Owner's heirs, representatives, successors in interest, future owners, and assigns for the total of any and all amounts expended by City for the installation and completion of the Sidewalk Improvements and any expenses related thereto.

5. Covenants to Run with the Land. The foregoing covenants in each and every particular are and shall be construed as real covenants and shall run with the land, and the same are hereby made binding upon the heirs, representative, devisees, assigns, future owners and successors in interest of the parties hereto.

6. Default. The parties herein each agree that should they default in any of the covenants or agreements contained herein, the defaulting party shall pay all costs and expenses, including reasonable attorney's fees which may arise or accrue from enforcing this Agreement, or in pursuing any remedy provided hereunder or by the statutes or other laws of the State of Utah, whether such remedy is pursued by filing suit or otherwise, and whether such costs and expenses are incurred with or without suit or before or after judgment.

7. Amendments. Any amendment, modification, termination, or rescission (other than by operation of law) which affects this Agreement shall be made in writing, signed by the parties, and attached hereto.

8. Successors. This Agreement shall be binding upon and inure to the benefit of the legal representatives, subsequent owners, successors and assigns of the parties hereto.

9. Notices. Any notice required or desired to be given hereunder shall be deemed sufficient if sent by certified mail, postage prepaid, addressed to the respective parties at the addresses shown in the preamble.

10. Severability. Should any portion of this Agreement for any reason be declared invalid or unenforceable, the invalidity or unenforceability of such portion shall not affect the validity of any of the remaining portions and the same shall be deemed in full force and effect as if this Agreement had been executed with the invalid portions eliminated.

11. Governing Law. This Agreement and the performance hereunder shall be governed by the laws of the State of Utah.

12. Waiver. No waiver of any of the provisions of this Agreement shall operate as a waiver of any other provision, regardless of any similarity that may exist between such provisions, nor shall a waiver in one instance operate as a waiver in any future event. No waiver shall be binding unless executed in writing by the waiving party.

13. Captions. The captions preceding the paragraphs of this Agreement are for convenience only, and shall not affect the interpretation of any provision herein.

14. Integration. This Agreement, together with its exhibits, contains the entire and integrated agreement of the parties regarding the deferral and installation of the Sidewalk Improvements as of the date hereof, and no prior or contemporaneous promises, representations, warranties, inducements, or understandings between the parties pertaining to the subject matter hereof which are not contained herein shall be of any force or effect.

15. Other Security. This Agreement does not alter the obligation of Developer to provide security in acceptable form under applicable ordinances or rules of the City or any other governmental entity having jurisdiction over Developer.

16. Exhibits. Any exhibit(s) to this Agreement are incorporated herein by this reference.

17. Recording. This Agreement shall be recorded with the Davis County Recorder's office for all parcels or lots within the Property as notice of the required Sidewalk Improvements.

IN WITNESS WHEREOF, the parties have executed this Agreement the day and year first hereinabove written.

"CENTERVILLE CITY"

ATTEST:

Mayor Clark Wilkinson

Jennifer Robison, City Recorder

"OWNER"
1175 West 500 North

Kenneth Knighton

CITY ACKNOWLEDGMENT

STATE OF UTAH)
 :SS.
COUNTY OF DAVIS)

On the _____ day of _____, 2025, personally appeared before me, **CLARK WILKINSON**, who being duly sworn, did say that he is the Mayor of Centerville City, a municipal corporation, and that the foregoing instrument was signed in behalf of the City by authority of its governing body and said Clark Wilkinson acknowledged to me that said municipal corporation executed the same.

Notary Public

My Commission Expires

Residing at:

1175 WEST, LLC ACKNOWLEDGMENT

STATE OF UTAH)
 :SS.
COUNTY OF DAVIS)

On the _____ day of _____, 2025, personally appeared before me **KENNETH KNIGHTON**, an individual, who being duly sworn, did say that he is the Member/Manager of 1175 West, LLC, a Utah limited liability company, and the signer of the foregoing instrument, who duly acknowledged to me that he executed the same on behalf of the company.

Notary Public

My Commission Expires

Residing at:

EXHIBIT "A"

Legal Description of Property

The land referred to herein is situated in the County of Davis, State of UT, and is described as follows:

Lot 10, SPORT SALES PLAZA, according to the official plat thereof on file and of record in the Davis County recorder's Office.

Said property is also known by the street address of:
1175 West 500 North, Centerville, UT 84014

1175 West 500 North - Vicinity Aerial Map



3/12/2025, 2:04:34 PM

CityBoundary
ExtensionAgreements

ExtensionAgreement

Parcels
Zoning PDO (Planned Development Overlay)

1:2,257
0 0.01 0.03 0.05 mi
0 0.02 0.04 0.09 km

10.04.170 Deferral Of Public Improvements

- (a) Request for Deferral. In limited circumstance, upon request of the applicant, the City may defer or waive the installation of any required public improvements when deemed appropriate in accordance with the provisions of this Section. The applicant must submit a written request for deferral of public improvements with the Public Works Director. Such written request must include the following:
- (1) Summary of the evidence in support of the request and analysis of the factors required to qualify for the deferral as set forth in Subsection (f);
 - (2) Name and address of applicant;
 - (3) Address, legal description, and parcel number of subject property;
 - (4) Aerial view of subject property and adjacent properties showing existing infrastructure; and
 - (5) Application fee and professional services deposit for deferral agreements as set forth in the City Fee Schedule.
- (b) Public Works Director Review. The Public Works Director shall review the request for deferral of public improvements and confer with other departments or officials as deemed necessary. The Public Works Director shall thereafter prepare a Staff Report and recommendation to the City Council regarding the request.
- (c) City Council Review. The City Council shall review and approve or deny the requested deferral of public improvements based on the factors set forth in Subsection (f).
- (d) Payment of Costs or Deferral Agreement. If the deferral is approved by the City Council, the applicant shall pay his or her share of the costs of such future improvements according to the reasonable estimate of the City Engineer, or may enter into a Deferral Agreement satisfactory to the City assuring completion of said improvements upon the demand of the City. No permit shall be issued until the appropriate costs required herein are deposited with the City or a Deferral Agreement has been executed between the parties and recorded against the property assuring the completion of such improvements upon demand of the City.
- (e) No Temporary Certificate of Occupancy Required. No Temporary Certificate of Occupancy shall be required when the appropriate costs required herein are deposited with the City or a Deferral Agreement has been executed between the parties and recorded against the property for the deferral of specified public improvements.
- (f) Required Factors for Deferral. In order to qualify for the deferral of public improvements, the City Council must determine that there is good cause for the deferral and that the application complies with the following requirements:
- (1) The property is a legally conforming lot or parcel as defined and regulated by the Centerville Zoning Code and applicable provisions of CMC 15 (Subdivisions);
 - (2) The lot or parcel has frontage on a public street;
 - (3) No street improvements exist on the same side of the street contiguous to the lot or parcel in one or both directions, unless otherwise approved by the City Council based on good cause, or the lot or parcel is in an area of the City specifically designated as an area where sidewalks are not required; and
 - (4) The lot or parcel is not within a recorded subdivision, unless otherwise approved by the

City Council based on good cause; provided, no deferral of improvements shall be allowed as part of a new subdivision development.

- (g) Veterans and First Responder Expedited Application Procedure. A veteran or service member of the armed forces or any public safety first responder that sustains a service connected disability that requires adjustment to his or her primary residence as a result of the service connected disability, shall be eligible for an expedited review and approval process for any request for deferral application as provided herein. The veteran, service member or first responder shall provide sufficient evidence of applicable employment status, service connected disability, property ownership and primary residence status with the written request for deferral application.
- (1) For purposes of this Section, “veteran or service member of the armed forces” shall include any veteran or service member of the United States Army, Navy, Air Force, Marine Corps, Coast Guard, or the reserve component of any such forces. For purposes of this Section, “public safety first responder” shall include any law enforcement officer or fire safety personnel of any city, county, local district, or other governmental agency.
 - (2) In order to qualify for this expedited process, the veteran, service member, or first responder applying for the deferral agreement must have sustained a service connected permanent disability. The home or residence must be in the veteran, service member or first responder’s name and must be his or her “primary residence” defined as the principal place where one actually lives.
 - (3) Any veteran or service member of the armed forces or any public safety first responder that sustains a service connected disability that requires adjustment to his or her primary residence as a result of the service connected disability, shall be eligible for an expedited review and approval process for deferral agreement applications allowing for final approval of such application by the City Manager (rather than having to go to the City Council for final approval). All other application requirements and procedures set forth in this Section shall apply. The Public Works Director shall still conduct the applicable review of the application and provide a recommendation to the City Manager in accordance with the provisions of Subsection (b). The City Manager shall thereafter conduct the final review and approval of the application based on the factors set forth in Subsection (f) and shall be authorized to enter into the deferral agreement on behalf of the City.
 - (4) Any veteran, service member, or first responder adversely affected by a final decision of the City Manager under this Subsection (g) regarding the approval or denial of a deferral agreement application may appeal such decision to the City Council by filing a written appeal to the City Recorder within 30 days from the date of the City Manager’s decision. The appeal to the City Council shall be expedited to the extent feasible.

HISTORY

Adopted by Ord. [2017-03](#) on 4/4/2017

Amended by Ord. [2018-01](#) on 1/16/2018

CENTERVILLE
city
CITY COUNCIL

Staff Report

3/18/2025

Item No. 5.

Title: Municipal Code Amendments - Maximum Depth for Cemetery Markers and Monuments - CMC 8.03.240 and CMC 8.03.250

Initiated By: Bruce Cox, Parks and Recreation Director

Staff Representative: Bruce Cox, Parks and Recreation Director, Lisa Romney, City Attorney

SUBJECT:

Consider Municipal Code Amendments to add a maximum depth provision for markers and monuments in the City Cemetery - Ordinance No. 2025-02

RECOMMENDATION:

Approve Ordinance No. 2025-02 amending Section 8.03.240 and Section 8.03.250 to add a maximum depth provision for markers and monuments in the City Cemetery.

BACKGROUND:

Staff has recently encountered a problem with the installation of monuments with depths in excess of 16 inches front to rear. The problem with the increased depth of monuments is that the monument protrudes into the access corridor between rows of monuments. This access corridor is used for lawn mowers and other maintenance equipment, vault trucks, monument trucks, and grave opening and closing equipment (backhoe or excavator and dump truck). A couple of these "deep" monuments protrude out into the access row a foot more than the rest of the monuments creating a narrow pinch point that increases the risk of damaging the monument dramatically. Recently, Staff encountered this problem and paid a monument company to remove the monument so another grave could be opened and closed and then replaced so not to risk the damage to the monument. Staff recommends adding a maximum depth provision for monuments and markers in the City cemetery to avoid this issue in the future.

ATTACHMENTS:

1. Ordinance No. 2025-02 - Depth of Monuments - CMC 08.03.250
2. Monument Photos

ORDINANCE NO. 2025-02

AN ORDINANCE AMENDING SECTIONS 8.03.240 AND 8.03.250 OF THE CENTERVILLE MUNICIPAL CODE REGARDING RESTRICTIONS ON THE INSTALLATION OF MARKERS OR MONUMENTS ON BURIAL SPACES TO ADD A MAXIMUM DEPTH OF MARKERS AND MONUMENTS

WHEREAS, the City has previously adopted provisions regarding the use and installation of markers and monuments on burial spaces within the Centerville City Cemetery as more particularly set forth in Title 8, Chapter 3 of the Centerville Municipal Code; and

WHEREAS, the City Council desires to amend Sections 8.03.240 and 8.03.250 of the Centerville Municipal Code to add a maximum depth for markers and monuments; and

WHEREAS, the City Council has determined that the amendments to the Centerville Municipal Code as provided herein are desirable and necessary to facilitate more efficient maintenance and use of the cemetery.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF CENTERVILLE CITY, STATE OF UTAH:

Section 1. **Amendment.** Subsection 8.03.240 of the Centerville Municipal Code regarding Markers is hereby amended to read in its entirety as follows:

8.03.240. Markers.

Subject to the provisions set forth herein, markers shall be allowed on burial spaces in any plat of the City Cemetery, including Plats “A”, “B”, “C”, “D”, and “E”. Markers shall comply with and be subject to the following conditions and restrictions:

- (a) ~~The height of a marker~~ Markers for burial spaces shall be level with the lawn or ground surrounding the marker, including the stone or concrete base required herein.
- (b) ~~Markers shall be provided with a finished grass level stone or concrete base extending outward from the outer perimeter of the base of the marker for a minimum distance of six inches.~~
- (b)(c) The maximum depth of a marker, excluding the stone or concrete base required herein, shall not exceed 16 inches front to rear.
- (c)(d) The maximum width of a marker on a single burial space in Plat “A” or “B” shall not exceed 24 inches, and on a double burial space in Plat “A” or “B” shall not exceed 60 inches, both maximum widths excluding the concrete or stone base surrounding the marker.
- (e) The maximum width of a marker on a single burial space in Plat “C”, “D”, or “E” shall not exceed 28 inches, and on a double burial space in Plat “C”, “D”, or “E” shall not exceed 72 inches, both maximum widths excluding the concrete or stone base surrounding the marker.
- (d)(f) Markers shall be provided with a finished flush with ground-level stone or concrete base extending six inches outward from the outer perimeter of the base of the marker on all sides.
- (e)(g) Except as otherwise provided herein for infant or cremation burials or double depth burial spaces, there shall only be allowed one marker per burial space or

one monument per burial space (in areas of the City Cemetery where monuments are permitted).

~~(f)~~(h) Subject to monument and marker size and locations restrictions set forth in this Section and in CMC 8.03.250, if the Parks and Recreation Director approves a request to bury an infant or cremains of a person in a burial space with another person buried therein, two markers may be permitted to be installed on such burial space, or one marker and one monument (in such areas of the City Cemetery that allow monuments).

~~(g)~~(i) Subject to monument and marker size and locations restrictions set forth in this Section and in CMC 8.03.250, approved double depth burial spaces may contain two markers on such burial space, or one marker and one monument (in such areas of the City Cemetery that allow monuments).

~~(h)~~(j) Markers may not be placed or installed on any burial space prior to the interment of remains within that burial space.

Section 2. Amendment. Subsection 8.03.250 of the Centerville Municipal Code regarding Monuments is hereby amended to read in its entirety as follows:

8.03.250. Monuments.

Subject to the provisions set forth herein, monuments are allowed for burial spaces in Plats "A", "B", "C", and "E" of the City Cemetery. Due to slope and access conditions, no monuments are allowed in Plat "D" of the City Cemetery. Monuments shall comply with and be subject to the following conditions and restrictions:

(a) ~~The height of a monument~~ Monuments shall not extend less than 12 inches nor more than 36 inches above ground level, including the stone or concrete base required herein.

~~(a)(b)~~ The maximum depth of a monument shall not exceed 16 inches from front to rear, excluding the stone or concrete base required herein.

~~(b)(c)~~ The maximum width of a monument on a single burial space in Plat "A" or "B" shall not exceed 24 inches, and on a double burial space in Plat "A" or "B" shall not exceed 60 inches, both maximum widths excluding the concrete or stone base surrounding the monument.

~~(c)(d)~~ The maximum width of a monument on a single burial space in Plat "C" or "E" shall not exceed 28 inches, and on a double burial space in Plat "C" or "E" shall not exceed 72 inches, both maximum widths excluding the concrete or stone base surrounding the monument.

~~(d)~~ Monuments shall have a finished flush with ground-level ~~grass-level~~ stone or concrete base extending six inches outward from the outer perimeter of the base of the monument ~~for a minimum distance of six inches~~ on all sides.

(e) Except as otherwise provided in CMC 8.03.240 for infant or cremation burials or double depth burial spaces, there shall only be allowed one monument per burial space (in areas of the City Cemetery where monuments are permitted) or one marker per burial space.

(f) Monuments may not be placed or installed on any burial space prior to the interment of remains within that burial space.

Section 3. Severability Clause. If any section, part or provision of this Ordinance is held invalid or unenforceable, such invalidity or unenforceability shall not affect any other portion of this Ordinance, and all provisions, clauses and words of this Ordinance shall be severable. This Section shall become effective without codification.

Section 4. Effective Date. This Ordinance shall become effective immediately upon publication or posting.

**PASSED AND ADOPTED BY THE CITY COUNCIL OF CENTERVILLE CITY,
STATE OF UTAH, THIS 18th DAY OF MARCH, 2025.**

ATTEST:

CENTERVILLE CITY

Jennifer Robison, City Recorder

By: _____
Mayor Clark A. Wilkinson

Voting by the City Council:

	“AYE”	“NAY”
Councilmember Hayman	_____	_____
Councilmember Hirst	_____	_____
Councilmember Mecham	_____	_____
Councilmember Plumber	_____	_____
Councilmember Summerhays	_____	_____

CERTIFICATE OF PASSAGE AND PUBLICATION OR POSTING

According to the provisions of the U.C.A. § 10-3-713, as amended, I, the municipal recorder of Centerville City, hereby certify that foregoing ordinance was duly passed by the City Council and published in accordance with Utah law.

JENNIFER ROBISON, City Recorder

DATE: _____

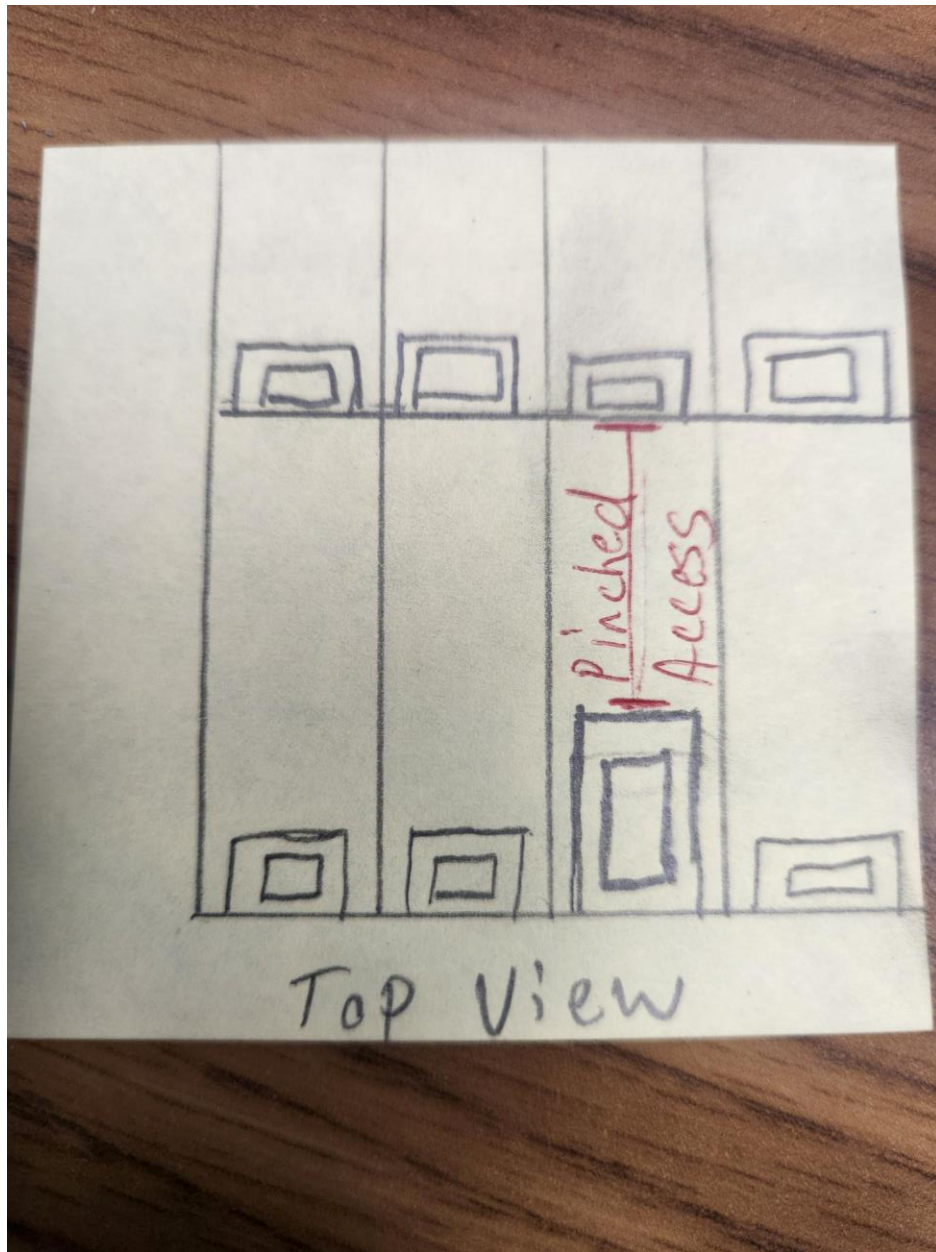
RECORDED this ____ day of _____, 2025.

PUBLISHED OR POSTED this ____ of _____, 2025.









CENTERVILLE
city
CITY COUNCIL

Staff Report

3/18/2025

Item No. 6.

Title: Compensation Schedule Amendments - Patrol Officer in Training

Initiated By: Allen Ackerson, Chief of Police

Staff Representative: Allen Ackerson, Chief of Police, Lisa Romney, City Attorney

SUBJECT:

Consider amendments to Compensation Schedule to add the new position and compensation range for Patrol Officer in Training - Ordinance No. 2025-03.

RECOMMENDATION:

Approve Ordinance No. 2025-03 amending the Compensation Schedule to add the new position and compensation range for the position of Patrol Officer in Training.

BACKGROUND:

The Police Chief would like to create the new position of Patrol Officer in Training for recruits the City hires and sends to the Police Academy to get certified as a law enforcement officer. Currently, new recruits are hired as a Patrol Officer I with a lesser starting salary while they are in the Police Academy. The new position and job description for Patrol Officer in Training will better address the job duties and expectations for hired recruits that are sent to the Police Academy. The recommended salary range for the new position is 10% below the salary range for Patrol Officer I. The new job description for this position is attached as well as Ordinance No. 2025-03 with the proposed amendments to the Compensation Schedule adding a line item and salary range for the position of Patrol Officer in Training.

ATTACHMENTS:

1. Ordinance No. 2025-03 - Compensation Schedule FY2025 - Amended (Police Officer in Training)
2. Compensation Schedule FY2025 - Amended (Patrol Officer in Training)
3. 518 - Police - Patrol Officer in Training

ORDINANCE NO. 2025-03

**AN ORDINANCE AMENDING THE CENTERVILLE EMPLOYEE
COMPENSATION SCHEDULE TO ADD POSITION AND PAY RANGE FOR
PATROL OFFICER IN TRAINING**

WHEREAS, the City Council may fix the compensation or compensation schedule for municipal officers and employees in accordance with Utah Code § 10-3-818; and

WHEREAS, the City Council desires to amend the Centerville Employee Compensation Schedule for municipal officers and employees to add the new position and pay range for Patrol Officer in Training as more particularly provided herein.

**NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF
CENTERVILLE CITY, STATE OF UTAH, AS FOLLOWS:**

Section 1. Compensation Schedule Amendment. The Centerville Employee Compensation Schedule is hereby amended to add position and pay range for the Patrol Officer in Training as more particularly set forth in **Exhibit A**, attached hereto and incorporated by this reference.

Section 2. Severability. If any section, part, or provision of this Ordinance is held invalid or unenforceable, such invalidity or unenforceability shall not affect any other portion of this Ordinance, and all sections, parts, and provisions of this Ordinance shall be severable.

Section 3. Effective Date. This Ordinance shall become effective immediately upon publication or posting, or thirty (30) days after passage, which occurs first.

**PASSED AND ADOPTED BY THE CITY COUNCIL OF CENTERVILLE CITY,
STATE OF UTAH, THIS 18th DAY OF MARCH, 2025.**

CENTERVILLE CITY

ATTEST:

Jennifer Robison, City Recorder

Mayor Clark A. Wilkinson

Voting by the City Council:

	“AYE”	“NAY”	“ABSENT”
Councilmember Hayman	_____	_____	_____
Councilmember Hirst	_____	_____	_____
Councilmember Mecham	_____	_____	_____
Councilmember Plummer	_____	_____	_____
Councilmember Summerhays	_____	_____	_____

CERTIFICATE OF PASSAGE AND PUBLICATION OR POSTING

According to the provisions of the Utha Code § 10-3-713, as amended, I, the municipal recorder of Centerville City, hereby certify that foregoing ordinance was duly passed by the City Council and published or posted as required by law on the following referenced dates.

JENNIFER ROBISON, City Recorder

DATE: _____

RECORDED this _____ day of _____, 2025.

PUBLISHED OR POSTED this _____ day of _____, 2025.

EXHIBIT A
CENTERVILLE EMPLOYEE COMPENSATION SCHEDULE
(Amended March 18, 2025)

Centerville City Employee Compensation Schedule

	FY25 Salary Ranges (annual)			FY25 Salary Ranges (hourly)		
	Min	Mid	Max	Min	Mid	Max
<u>Administration</u>						
CITY MANAGER	\$ 133,654	\$ 160,385	\$ 192,462	\$ 64.26	\$ 77.11	\$ 92.53
CITY ATTORNEY	\$ 121,879	\$ 146,255	\$ 175,506	\$ 58.60	\$ 70.31	\$ 84.38
ADMINISTRATIVE SERVICES DIRECTOR	\$ 103,609	\$ 124,331	\$ 149,197	\$ 49.81	\$ 59.77	\$ 71.73
COMMUNITY SERVICES MANAGER	\$ 70,209	\$ 84,251	\$ 101,101	\$ 33.75	\$ 40.51	\$ 48.61
CITY RECORDER	\$ 66,480	\$ 79,776	\$ 95,731	\$ 31.96	\$ 38.35	\$ 46.02
IT MANAGER	\$ 64,524	\$ 77,429	\$ 92,915	\$ 31.02	\$ 37.23	\$ 44.67
WHITAKER MUSEUM DIRECTOR	\$ 40,882	\$ 49,058	\$ 58,870	\$ 19.65	\$ 23.59	\$ 28.30
<u>Police</u>						
POLICE CHIEF	\$ 122,815	\$ 147,378	\$ 176,854	\$ 59.05	\$ 70.85	\$ 85.03
LIEUTENANT	\$ 103,211	\$ 123,853	\$ 148,623	\$ 49.62	\$ 59.54	\$ 71.45
SERGEANT	\$ 85,303	\$ 102,364	\$ 122,837	\$ 41.01	\$ 49.21	\$ 59.06
MASTER POLICE OFFICER	\$ 78,609	\$ 94,331	\$ 113,198	\$ 37.79	\$ 45.35	\$ 54.42
PATROL OFFICER I-III	\$ 63,162	\$ 75,795	\$ 90,953	\$ 30.37	\$ 36.44	\$ 43.73
PATROL OFFICER IN TRAINING	\$ 56,846	\$ 68,215	\$ 81,858	\$ 27.33	\$ 32.80	\$ 39.35
DISPATCHER/LEAD	\$ 64,984	\$ 77,981	\$ 93,577	\$ 31.24	\$ 37.49	\$ 44.99
DISPATCHER II	\$ 47,947	\$ 57,536	\$ 69,044	\$ 23.05	\$ 27.66	\$ 33.19
EMERGENCY MANAGEMENT/ADMINISTRATIVE ASSISTANT	\$ 47,382	\$ 56,859	\$ 68,231	\$ 22.78	\$ 27.34	\$ 32.80
DISPATCHER I	\$ 45,665	\$ 54,798	\$ 65,758	\$ 21.95	\$ 26.35	\$ 31.61
ADMINISTRATIVE ASSISTANT	\$ 41,711	\$ 50,054	\$ 60,064	\$ 20.05	\$ 24.06	\$ 28.88
<u>Public Works</u>						
PUBLIC WORKS DIRECTOR	\$ 109,604	\$ 131,524	\$ 157,829	\$ 52.69	\$ 63.23	\$ 75.88
DEPUTY PUBLIC WORKS DIRECTOR	\$ 95,945	\$ 115,135	\$ 138,161	\$ 46.13	\$ 55.35	\$ 66.42
GIS ADMINISTRATOR/IT SUPPORT TECHNICIAN	\$ 74,022	\$ 88,827	\$ 106,592	\$ 35.59	\$ 42.71	\$ 51.25
DRAINAGE UTILITY SUPERVISOR	\$ 68,121	\$ 81,745	\$ 98,094	\$ 32.75	\$ 39.30	\$ 47.16
STORMWATER COORDINATOR	\$ 52,052	\$ 62,462	\$ 74,955	\$ 25.02	\$ 30.03	\$ 36.04
MASTER MECHANIC	\$ 60,032	\$ 72,038	\$ 86,446	\$ 28.86	\$ 34.63	\$ 41.56
JOURNEY MECHANIC	\$ 53,657	\$ 64,388	\$ 77,266	\$ 25.80	\$ 30.96	\$ 37.15
APPRENTICE MECHANIC	\$ 45,309	\$ 54,371	\$ 65,246	\$ 21.78	\$ 26.14	\$ 31.37
ADMINISTRATIVE ASSISTANT	\$ 41,711	\$ 50,054	\$ 60,064	\$ 20.05	\$ 24.06	\$ 28.88
WATER SUPERVISOR	\$ 73,118	\$ 87,742	\$ 105,291	\$ 35.15	\$ 42.18	\$ 50.62
LEAD WATER MAINTENANCE OPERATOR	\$ 58,933	\$ 70,720	\$ 84,864	\$ 28.33	\$ 34.00	\$ 40.80
WATER ELECTRICIAN	\$ 65,343	\$ 78,411	\$ 94,094	\$ 31.41	\$ 37.70	\$ 45.24
WATER MAINTENANCE OPERATOR III	\$ 52,093	\$ 62,512	\$ 75,015	\$ 25.04	\$ 30.05	\$ 36.06
WATER MAINTENANCE OPERATOR II	\$ 46,994	\$ 56,393	\$ 67,672	\$ 22.59	\$ 27.11	\$ 32.53
WATER MAINTENANCE OPERATOR I	\$ 42,939	\$ 51,527	\$ 61,832	\$ 20.64	\$ 24.77	\$ 29.73
STREET SUPERVISOR	\$ 67,176	\$ 80,611	\$ 96,733	\$ 32.30	\$ 38.76	\$ 46.51
LEAD STREET MAINTENANCE OPERATOR	\$ 55,436	\$ 66,524	\$ 79,828	\$ 26.65	\$ 31.98	\$ 38.38
STREET MAINTENANCE OPERATOR III	\$ 51,997	\$ 62,397	\$ 74,876	\$ 25.00	\$ 30.00	\$ 36.00
STREET MAINTENANCE OPERATOR II	\$ 45,324	\$ 54,389	\$ 65,267	\$ 21.79	\$ 26.15	\$ 31.38
STREET MAINTENANCE OPERATOR I	\$ 42,327	\$ 50,793	\$ 60,951	\$ 20.35	\$ 24.42	\$ 29.30
<u>Finance</u>						
FINANCE DIRECTOR	\$ 109,781	\$ 131,738	\$ 158,085	\$ 52.78	\$ 63.34	\$ 76.00
CITY TREASURER	\$ 73,748	\$ 88,498	\$ 106,197	\$ 35.46	\$ 42.55	\$ 51.06
ACCOUNTANT II	\$ 61,213	\$ 73,455	\$ 88,146	\$ 29.43	\$ 35.32	\$ 42.38
ACCOUNTANT I	\$ 54,444	\$ 65,332	\$ 78,399	\$ 26.17	\$ 31.41	\$ 37.69
ACCOUNTING TECHNICIAN II	\$ 50,972	\$ 61,166	\$ 73,399	\$ 24.51	\$ 29.41	\$ 35.29
ACCOUNTING TECHNICIAN I	\$ 47,499	\$ 56,999	\$ 68,399	\$ 22.84	\$ 27.40	\$ 32.88
<u>Community Development</u>						
COMMUNITY DEVELOPMENT DIRECTOR	\$ 104,278	\$ 125,134	\$ 150,161	\$ 50.13	\$ 60.16	\$ 72.19
PLANNER II	\$ 61,700	\$ 74,040	\$ 88,848	\$ 29.66	\$ 35.60	\$ 42.72
PLANNER I	\$ 52,360	\$ 62,832	\$ 75,398	\$ 25.17	\$ 30.21	\$ 36.25
PLANNING & ZONING TECHNICIAN	\$ 47,173	\$ 56,608	\$ 67,929	\$ 22.68	\$ 27.22	\$ 32.66
<u>Parks & Cemetery</u>						
PARKS & RECREATION DIRECTOR	\$ 98,257	\$ 117,909	\$ 141,490	\$ 47.24	\$ 56.69	\$ 68.02
PARKS SUPERVISOR	\$ 65,216	\$ 78,259	\$ 93,911	\$ 31.35	\$ 37.62	\$ 45.15
LEAD PARKS MAINTENANCE SPECIALIST	\$ 53,210	\$ 63,852	\$ 76,623	\$ 25.58	\$ 30.70	\$ 36.84
PARKS MAINTENANCE SPECIALIST III	\$ 48,903	\$ 58,683	\$ 70,420	\$ 23.51	\$ 28.21	\$ 33.86
PARKS MAINTENANCE SPECIALIST II	\$ 43,368	\$ 52,042	\$ 62,450	\$ 20.85	\$ 25.02	\$ 30.02
BUILDING CUSTODIAN	\$ 40,778	\$ 48,933	\$ 58,720	\$ 19.60	\$ 23.53	\$ 28.23
PARKS MAINTENANCE SPECIALIST I	\$ 40,301	\$ 48,361	\$ 58,033	\$ 19.38	\$ 23.25	\$ 27.90
<u>Court</u>						
COURT ADMINISTRATOR	\$ 56,595	\$ 67,914	\$ 81,497	\$ 27.21	\$ 32.65	\$ 39.18
JUDICIAL ASSISTANT III	\$ 47,584	\$ 57,101	\$ 68,522	\$ 22.88	\$ 27.45	\$ 32.94
JUDICIAL ASSISTANT II	\$ 41,574	\$ 49,889	\$ 59,867	\$ 19.99	\$ 23.99	\$ 28.78
JUDICIAL ASSISTANT I	\$ 38,689	\$ 46,427	\$ 55,712	\$ 18.60	\$ 22.32	\$ 26.78



Job Title - Patrol Officer in Training

Department - Police

Job Code - 518

FLSA Status - Non-Exempt

Employment Classification - At-Will

Compensation Range - \$56,846 - \$81,858

Effective Date - March 18, 2025

GENERAL PURPOSE

Patrol Officer in Training attends and participates in the Law Enforcement Officer (LEO) training and certification course offered through the Utah Police Officer Standards and Training Division (POST). Upon successful completion of the LEO Certification course and examination, the Patrol Officer in Training may be promoted to Patrol Officer I, subject to meeting the minimum qualifications, ability to perform essential functions, and applicable background check and investigation for Patrol Officer I.

SUPERVISION RECEIVED

Works under the direct supervision of the Administrative Sergeant with general supervision from the Lieutenant and Police Chief.

SUPERVISION EXERCISED

None.

ESSENTIAL FUNCTIONS

1. Attends, participates, and successfully completes a POST certified LEO training and certification course and pass all required classes, scenarios, physical training and other assigned duties and tasks.
2. Performs rigorous physical training as part of POST training and certification and other City required training.
3. Learns the use and care of firearms, chemical agents, and other weapons.
4. Learns to safely drive a motor vehicle under normal and emergency conditions.
5. Understands and carries out oral and written directions.
6. Learns to demonstrate command presence in conflict situations.
7. Learns standard broadcasting procedures of a police radio system and how to speak clearly.

8. Learns to write clear, comprehensive, and accurate reports, legibly and with correct grammar and spelling.
9. Learns to establish and maintain effective working relationships with those contacted in the course of training and employment.
10. Learns principles and practices of effective interpersonal communication and good customer service.
11. Learns to understand, interpret, and apply criminal and civil laws, court decisions, regulations, policies, and procedures with particular reference to the laws of arrest, use of force, custody, search and seizure, juvenile laws and procedures, property crimes, crimes against persons, crimes against children, sex crimes, domestic violence, missing persons, weapons violations, alcohol, and controlled substances.
12. Learns and implements police methods and procedures including patrol techniques, vehicle stops, response to crimes in progress, apprehension of suspects, defensive tactics, traffic enforcement, control and collision investigation, crowd control, and gang and terrorism awareness.
13. Learns and implements crime scene management, forensics, collection, preservation, and presentation of evidence.
14. Learns identification techniques and interviewing and interrogation techniques.
15. Learns first aid, CPR, hazardous materials awareness, emergency management, and the Incident Command System.
16. Learns the community policing philosophy, crime prevention, and victimology/crisis intervention.
17. Learns to use modern law enforcement equipment, communications devices, computers, and information systems.
18. Perform other related duties and responsibilities as assigned.

MINIMUM QUALIFICATIONS

Education and Experience:

1. Must be at least 21 years old at the time of POST certification as a law enforcement officer.
2. Must be a high school graduate or furnish evidence of successful completion of an examination indicating an equivalent achievement (GED).
3. Must be able to meet minimum physical requirements established by the Police Department.
4. Must possess and maintain a valid Utah Driver's License.
5. Must be or possess the ability to become Emergency Vehicle Operations (EVO) certified.
6. Must be or possess the ability to obtain POST Law Enforcement Officer Certification by the completion of the POST certification training.

Knowledge, Skills and Abilities:

1. Some knowledge of the functions and objectives of federal, state, and other local law enforcement agencies; principles and practices of community policing; and safe driving principles and practices.
2. Skills in the ability to gather, assemble, analyze, and use facts and evidence; communicate clearly and concisely, both orally and in writing; exercise good judgment, flexibility, creativity, and sensitivity in response to changing situations and needs; safely operate a motor vehicle; safely use or learn to use firearms and other modern police equipment; and operate office equipment, including computer equipment and software.
3. Ability to learn modern police methods and procedures related to patrol, apprehension, arrest, search and seizure, and traffic control; ability to learn modern investigative methods including interviewing and interrogation techniques; ability to learn law enforcement theory, principles and practices and their application to a wide variety of services and programs; ability to learn local geography, city streets, public buildings, and businesses; ability to learn recent court decisions and how they affect Police Department operations; learn self-defense tactics; learn

and interpret Police Department policies and procedures; observe accurately and remember names, faces, numbers, incidents, and places; analyze situations quickly and objectively and determine proper course of action; act quickly and calmly in emergencies; meet and interact with the public tactfully and effectively; meet the physical requirements necessary to perform the assigned duties safely and effectively; establish, maintain, and foster positive and harmonious working relationships with those contacted in the course of work.

Special Qualifications:

1. Must be a United States citizen, a United States national, or a lawful permanent resident of the United States who has been in the United States legally for the five years immediately before the day on which application is made and must have legal authorization to work in the United States, as more particularly provided in Utah Code 53-6-203, as amended.
2. Must not have been convicted of a crime which could have been punished by imprisonment in a federal penitentiary or by imprisonment in the penitentiary of the State of Utah or another state, as more particularly provided in Utah Code 53-6-203, as amended.
3. Must demonstrate good moral character, as determined by a background investigation, as more particularly provided in Utah Code 53-6-203 and 53-6-211, as amended.
4. Must be free of any physical, emotional, or mental condition that might adversely affect the performance of the applicant's duties as a law enforcement officer, as more particularly provided in Utah Code 53-6-203, as amended.
5. Must successfully complete criminal history background check and investigation of local, state, and national criminal history files and a background investigation to determine eligibility for admission to POST training programs or qualification for certification examinations, as more particularly provided in Utah Code 53-6-203, as amended.
6. Must successfully complete City pre-employment requirements, such as criminal history, background investigation, psychological examination, and drug testing, in accordance with City personnel and Department policies and procedures.
7. Must be eligible and qualified to possess a firearm under Utah and federal law, as more particularly provided in Utah Code 53-6-203, as amended.
8. Must meet all other standards and requirements of POST for acceptance and admission to POST's basic law enforcement training program, as more particularly provided in Utah Code 53-6-203, as amended.
9. Requires participation in random drug and alcohol testing and periodic driver's license check in accordance with City personnel and Department policies and procedures.

WORK ENVIRONMENT

Tasks require a variety of physical activities such as walking, standing, stooping, sitting, reaching, talking, hearing and seeing. Occasions may occur in the day-to-day operations requiring use of physical force, explosive strength, and endurance related to running, lifting, etc. Mental application utilizes memory for details, emotional stability, critical thinking, and creative problem solving. Periodic exposure to life threatening or hazardous situations which is inherent to the job. Health and safety conditions occasionally expose employee to workplace mechanical hazards, explosives, electrical hazards, toxic materials, moving objects, and diseases and bacteria inherent to the job. Periodic exposure to seasonal weather extremes and hazards. Frequent travel required in course of performing portions of job duties.

FLSA AND AT-WILL STATUS

The Patrol Officer in Training is a non-exempt position under the Fair Labor Standards Act. Due to the temporary nature, the Patrol Officer in Training position is considered at-will and is exempt from the protections of Utah Code § 10-3-1105. As such, the Patrol Officer in Training may be terminated with or without cause and shall not be entitled to due process appeal procedures as set forth in Utah Code § 10-3-1106.

DISCLAIMER

The provisions of this job description describe the general nature, level, and type of work performed by the employee assigned to the job. The provisions are not intended to be an exhaustive list of all responsibilities, demands, and skills required of such employee. Job descriptions are not intended to and do not imply or create any employment, compensation, or contractual rights to any person. The City reserves the right to add, delete, or modify any and/or all provisions of this job description at any time as needed without notice. This job description supersedes earlier versions.

CENTERVILLE
city
CITY COUNCIL

Staff Report

3/18/2025

Item No. 1.

Title: Police Department Purchase Request - Bi-Directional Amplifier

Initiated By: Allen Ackerson, Chief of Police

Staff Representative: Allen Ackerson, Chief of Police

SUBJECT:

Consider the purchase of a Bi-Directional Amplifier for the Police Department from Precision Communications, Inc. in the amount of \$28,744.66

RECOMMENDATION:

Approve the purchase of a Bi-Directional Amplifier for the Police Department from Precision Communications, Inc. in the amount of \$28,744.66

BACKGROUND:

In November 2024, Utah's statewide police radio system was "upgraded" from analog to digital in a project called "P25." The upgrade has not gone smoothly, to say the least. First responders from around the state, including Centerville, have struggled to have consistent reliable communications. Officers are missing a lot of radio traffic and are finding it difficult to connect with the system to transmit. Our department has three projects in the works to help improve connectivity, and one of them includes the installation of a Bi-Directional Amplifier (BDA). A BDA takes the digital radio signals and amplifies them in buildings. Our radios are particularly struggling inside our own police department. The BDA should dramatically improve connectivity. BDAs are also expensive. We've received two quotes, a Honeywell brand from Precision Communications Inc (based in Centerville) for \$28,744.66, and a Motorola brand from Day Wireless (Utah County) for \$42,040.80. We've elected for the less expensive Honeywell.

ATTACHMENTS:

1. Honeywell - Precision Communications Inc. Estimate
2. Motorola - Day Wireless Estimate

Precision Communications, Inc

DBA: Precision Electronics
454 N 1100 W
Centerville, UT 84014
8012924474

Estimate

Date	Estimate #
2/20/2025	255

Name / Address
CENTERVILLE POLICE 250 NORTH MAIN CENTERVILLE , UTAH 84014

			Project
Description	Qty	Rate	Total
BDA Core - FIPLEX By Honeywell Digital BDA - PS 700/800MHz Dual Band, 758-775/799-805MHz, 851-869/806-824MHz, Class B, 0.5W / 27dBm per band (Upgradeable options to Class A & 2W/ 33dBm options), AC, Batteries	1	11,538.46	11,538.46
Included. IFC & NFPA compliant, UL2524 2nd Edition Annunciator - BU External Annunciator without dry contacts. Non-NEMA Enclosure, NFPA compliant, UL2524 2nd Edition	1	746.20	746.20
Configuration Upgrade from Class B to Class A BDA. Digital 700/800, 27dBm, CClass A.	1	3,850.00	3,850.00
DAS Components - Yagi Antenna 763-896 MHz 14dBi	1	2,335.00	2,335.00
Coax Surge Protector			
RF Tapper			
Coax Cable Jumper 37" long			
Coax Cable Jumper 48" long			
Trilogy N Female Connectors			
Trilogy N Male Connectors			
Omni indoor antenna 698-869 Mhz 3dBi			
Trilogy AP6012J50-RD Red Plenum, 50 Ohm, 450', jacketed CMP	1	1,350.00	1,350.00
BDA/DAS System Design via Honeywell	1	3,685.00	3,685.00
Miscellaneous cabling, securement, connectors	1	600.00	600.00
Labor - Installation, configuration, testing	24	110.00	2,640.00
System Commissioning	1	2,000.00	2,000.00
Quote (Valid for 30 days from listed date)		Subtotal	\$28,744.66
		Sales Tax (7.25%)	\$0.00
		Total	\$28,744.66

PUBLIC SAFETY DAS SOLUTION

OFFER FOR SALE

July 23, 2024

Presented to:

Allen Ackerson

Lieutenant

Centerville Police Department

(801) 677-6426

allen.ackerson@centervilleutah.gov

Presented by:

Greg Steed

DAS Sales Representative

Day Wireless Systems

(8001) 360-0127

gsteed@daywireless.com

Michael Young

Senior Solutions Engineer

Day Wireless Systems

(541) 604-4293

myoung@daywireless.com

Day Wireless Systems is pleased to offer the following proposal to the Centerville PD for the Emergency Responder Communication Enhancement System (ERCES) solution for the Centerville PD project located at 250 North Main Street in Centerville, Utah.

State fire code requires all new and significantly remodeled buildings to have radio coverage for emergency responders within the building. This proposal is intended to provide the Centerville PD with the system needed to ensure code compliance.

The proposal is based on some underlying assumptions, as well as recognizing that there may be unknown information at this time. This pricing is based on the building floorplans provided by the Centerville PD as well as provided specifications if any, including exact frequencies to be amplified. Upon purchase and review of the system design, any changes made will result in a change order. We look forward to working with you on this important communications project.



SCOPE OF SERVICES

SCOPE OF WORK

This proposal includes the following tasks, to be performed by Day Wireless:

- Order and provision of equipment based on estimated bill of materials
- Provide system design in PDF format
- Install cable, terminate, and sweep test
- Install indoor antennas, couplers/splitters, and jumpers
- Install rooftop antenna and mount
- Install headend equipment
- Optimize BDA and perform commission test
- Perform post-construction compliance testing (20 grid)
- Provide closeout documentation
- Provide project management and engineering services
- Total project coverage area: 23,356 square feet

ASSUMPTIONS

Day Wireless assumes the following applies to this scope:

- Day Wireless working hours are Monday through Friday, 8:00 am to 5:00 pm.
- Work is not Prevailing Wage (PVW).
- Both Day Wireless and Centerville PD will provide POC for work to be completed.
- Centerville PD has provided .pdf files of building for design submittal.
- This quote is not intended for bid response and has not taken into consideration any required bid specifications.
- Billing shall be subject to terms stated in the Request for Proposal. Additional or amended billing terms received after publication of the original document will not be accepted.
- This quote does not consider any specialized cable routing that may result from any specialized construction methods, materials, or requirements.
- Upon contract execution, complete project schedule shall be agreed upon by respective project managers. If agreed-upon dates in the project schedule are not met due to factors outside of Day Wireless' control, thereby substantially extending original project completion date, Day Wireless may issue a change order to cover increased administrative and project management costs.
- Day Wireless has set forth the expectation of a fire-rated equipment room and fire-rated riser per applicable AHJ/ fire or building code requirements. Day Wireless is not responsible for any cost or labor impacts that arise if these expectations are not adhered to.
- Our quote is for total project amount, and we do not apply any deductions for OCIP/CCIP upon award.
- Required pathway/ fire wall penetrations/ fire stopping to be provided by others.
- Required electrical connections/ receptacles at headend and remote locations to be provided by others.
- Grounding connections (in compliance with local electrical codes) at headend/ remotes and rooftop donor location to be installed by others.
- Fire alarm panel connections to be provided by customer's fire alarm contractor (if required).
- It is assumed, based on the information provided, that ERCES frequencies to be covered are 700/800 MHz.

EXCLUSIONS

The following are not included in this proposal:

- Any additional equipment needed due to customer's design change is excluded.
- Day Wireless is not responsible for any core drilling, roof penetrations, or other structural modifications.
- Conduit is excluded.
- Permit fees are excluded.
- Third-party RF verification testing is excluded.
- This quote does not include an Antenna Monitoring System. If antenna monitoring is required, additional equipment and services will be added to the design at a cost not reflected in this quote.
- Day Wireless is not responsible for managing the AHJ's schedule. We will do everything in our power to complete system sign-off, but ultimately the scheduling is done by the AHJ. (if required by state/ local code)

SYSTEM PRICING

Please note that pricing listed below includes estimated taxes. Final tax rates will be calculated at time of purchase.

Total Public Safety (ERCES) System	\$42,040.80
Estimated Taxes (7.25%)	\$3,047.95
TOTAL	\$45,088.75

TERMS AND CONDITIONS

Unless otherwise negotiated, the following shall apply: Payment terms shall be Net 30. We accept check or funds transfer. Payments made by card will be charged a fee of up to 3.5% of the transaction total. Payments will be for services as performed with monthly progress billing beginning with the receipt of ordered equipment by DWS.

Work will begin upon receipt of a countersigned agreement referencing this document with its Statement of Work and Financial Detail. Any additional expenses will be reviewed with the customer prior to being incurred.

This quote will expire 90 days from the proposal date. The customer shall notify DWS of any concerns in writing within 10 business days of project completion.

CENTERVILLE
city
CITY COUNCIL

Staff Report
3/18/2025

Item No. 1.

Title: Minutes Review and Approval

Initiated By:

Staff Representative:

SUBJECT:

March 4, 2025 Work Session Minutes

March 4, 2025 City Council Minutes

RECOMMENDATION:

BACKGROUND:

ATTACHMENTS:

1. 03-04-25 WS DRAFT
2. 03-04-25 CC DRAFT

Minutes of the Centerville **City Council Work Session** held Tuesday, March 4, 2025 at 5:30 pm, with participants present at City Hall, 250 North Main Street.

MEMBERS PRESENT

Mayor Clark Wilkinson

Council Members Robyn Mecham
Brian Plummer
Gina Hirst
Spencer Summerhays
Cheylynn Hayman

STAFF PRESENT

Brant Hanson, City Manager
Lisa Romney, City Attorney
Jennifer Robison, City Recorder
Nate Plaizier, Finance Director
Haley Turner, Community Services Manager
Mike Eggett, Community Development Director
Mike Carlson, Public Works Director
Dave Walker, Deputy Public Works Director
Cameron Woodbury, Drainage Utility Supervisor
Will Barnes, Centerville Police Department
Kevin Campbell, City Engineer

VISITORS

Interested citizens

DRAINAGE AUDIT DISCUSSION

Deputy Public Works Director Dave Walker provided background on the Drainage Utility Enterprise Fund, established in 1999 with a \$4 rate per Equivalent Service Unit (ESU), defined as 3,600 square feet of impervious surface. Mr. Walker reviewed the 2021 audit that revealed billing discrepancies, prompting a comprehensive review of commercial and multifamily properties. Drainage Utility Supervisor Cameron Woodbury explained fee schedule definitions and calculation methods. Finance Director Nate Plaizier presented audit findings categorized into five groups, detailing the financial impacts and retroactive billing process. City Attorney Lisa Romney addressed the legal basis for the four-year statute of limitations and identified additional policy considerations. Mr. Walker concluded with procedural improvements to prevent future issues, including enhanced property evaluations, permit-based assessments, system modifications, and regular aerial reviews.

Mayor Wilkinson opened the meeting to hear public comments:

Richard Rowe, Centerville resident, expressed concerns about the retroactive billing, citing a lack of communication. He shared about his prior investments in drainage improvements, and ongoing flooding issues from neighboring properties, and requested the City consider these factors when assessing charges.

1 Jill Holloway, Centerville resident, expressed concerns about a sudden \$7,000 stormwater
2 fee charged to her small townhome community, questioning the fairness of the billing method,
3 lack of transparency in the decision-making process, and the financial burden on residents,
4

5 Jeff Cook, Centerville resident, expressed strong opposition to the city's decision to
6 retroactively charge fees for four years, arguing it was unfair to business owners who cannot
7 budget for such unexpected costs, and emphasized that the issue stems from past mistakes, not
8 the current council or staff. He suggested the city should increase fees going forward, but not
9 apply them retroactively.

10
11 Merrill Sherriff, Centerville resident, criticized the city's retroactive fee charges, saying it
12 creates a financial burden he can't pass on to tenants. He suggested paying over time instead of
13 going back four years, and called for better notice of such changes to help businesses prepare.
14

15 Ali Youngblood, Centerville resident, echoed frustration over the retroactive fees,
16 highlighting the hardship it caused small businesses like hers. She questioned the accuracy of
17 the billing and whether there's an appeals process for potential errors, asking for clarity on how
18 to review or contest charges.
19

20 Rick Bangerter, Centerville resident, criticized the lack of transparency and short notice
21 about the storm drainage fee issue. He suggested a compromise of going back only one year
22 instead of four, as retroactively charging businesses for the city's mistake was unfair. He also
23 recommended involving local businesses more in future discussions.
24

25 Council members discussed potential solutions to the four-year retroactive billing,
26 including extending payment terms, compromising on the billing period, and improving
27 communication. They emphasized the need to balance fairness between affected businesses and
28 other residents. Mayor Wilkinson noted that no vote would be taken and encouraged the Council
29 to consider solutions individually, as many have already paid the retroactive charges.
30

31 **ADJOURNMENT**

32
33 At 7:18 pm, Councilmember Hirst **moved** to adjourn the work session. Councilmember
34 Summerhays seconded the motion, which passed by unanimous vote (5-0).
35
36
37
38

39 _____
Jennifer Robison, City Recorder

Date Approved

Minutes of the Centerville **City Council** meeting held Tuesday, March 4, 2025, at 7:00 p.m. with participants present at Centerville City Hall, 250 North Main Street.

MEMBERS PRESENT

Mayor Clark Wilkinson

Council Members Robyn Mecham
Brian Plummer
Gina Hirst
Spencer Summerhays
Cheylynn Hayman

STAFF PRESENT

Brant Hanson, City Manager
Lisa Romney, City Attorney
Jennifer Robison, City Recorder
Nate Plaizier, Finance Director
Haley Turner, Community Services Manager
Mike Eggett, Community Development Director
Mike Carlson, Public Works Director
Dave Walker, Deputy Public Works Director
Cameron Woodbury, Drainage Utility Supervisor
Will Barnes, Centerville Police Department
Kevin Campbell, City Engineer
Lisa Bednarz, IT Manager

VISITORS

Dawn Beagley, Ace Disposal
Jenny & Mike Nelson, Ute Conference
Interested citizens

PRAYER OR THOUGHT Councilmember Hayman

PLEDGE OF ALLEGIANCE

OPEN SESSION

Mark Whitaker, Centerville resident, shared his vision of Ford Motor Company developing a new car powered by steam, electric, and solar energy, capable of traveling 10,500 miles without needing a recharge.

Bryce Peterson, representing the Farmington Rotary Club, presented Dolly Parton's Imagination Library program, which provides free monthly books to children under 5. He requested the council fund 50% of the cost for Centerville children. Currently, 22 children are enrolled, with up to 1,042 eligible. The program costs about \$31 per child annually, totaling up to \$18,000 if all eligible children enrolled. It also offers bilingual books for Spanish-speaking families.

SOLID WASTE COLLECTION SERVICES AGREEMENT – CONTRACT EXTENSION (FY 2026 – FY 2027) – ACE DISPOSAL, INC.

Finance Director Nate Plaizier presented a proposal for a second two-year extension of Centerville's garbage, green waste, and recycling contract with Ace Disposal, which would include a 5% rate increase each year. Dawn Beagley from Ace Disposal explained the reasons for the

1 increase, such as higher truck costs and employee retention, and invited the council to an
2 upcoming recycling safety symposium. Council members discussed the possibility of negotiating
3 a longer-term agreement in the future, with staff noting that the current extension was part of the
4 original contract, and broader discussions would occur during this period.

5
6 Councilmember Hirst **moved** to approve Amendment No. 2 to the Solid Waste, Green
7 Waste, and Recycling Collection Services Agreement with ACE Disposal, Inc., regarding contract
8 extension and compensation. Councilmember Summerhays seconded the motion, which passed
9 by a unanimous vote (5-0).

10 11 **MULTI-JURISDICTION IT MUTUAL AID AGREEMENT – VARIOUS CITIES**

12
13 IT Manager Lisa Bednarz presented information on a proposed multi-jurisdiction IT mutual
14 aid agreement. She explained that the agreement would allow for IT staff from different cities to
15 assist each other in the event of an IT disaster, such as a ransomware attack. The agreement
16 would cover up to 40 hours of assistance per city, at the discretion of the assisting city.

17
18 Council members expressed support for the concept but raised concerns about potential
19 costs associated with mutual training opportunities mentioned in Section 10 of the agreement.
20 They requested more information about how these costs would be calculated and shared among
21 participating cities.

22
23 Councilmember Hayman **moved** to approve the Multi-Jurisdiction IT Mutual Aid
24 Agreement as presented, with direction to staff to bring back more information about training costs
25 under Section 10. Councilmember Summerhays seconded the motion, which passed by a
26 unanimous vote (5-0).

27 28 **CONCESSION FACILITIES USE AGREEMENT – UTE CONFERENCE**

29
30 Community Services Manager Haley Turner presented information on a proposed
31 agreement with Ute Conference to operate concessions at Community Park during the spring
32 baseball season. She explained that the city had been losing money on concessions in recent
33 years and that this agreement would allow Ute Conference to use the facilities as a fundraiser for
34 their youth football program.

35
36 Representatives from Ute Conference, Jenny and Mike Nelson, spoke about their plans
37 for the concessions and how the fundraising would benefit families who struggle to afford
38 participation fees for youth football.

39
40 The Council discussed the proposed \$50 per week rental fee and ultimately decided to
41 reduce it to a symbolic \$1 for the entire term of the agreement to support the organization's
42 fundraising efforts.

43
44 Councilmember Hayman **moved** to approve Concession Facilities Use Agreement with
45 Ute Conference, Incorporated for use of Concession Facilities at Community Park for Spring 2025
46 Baseball Season, with the revision of the rental fee to be \$1 for the proposed term.
47 Councilmember Summerhays seconded the motion, which passed by a unanimous vote (5-0).

48 49 **BID AWARD – 400 EAST – 100 SOUTH TO PAGES LANE ADA/PED RAMP** 50 **REPLACEMENTS**

1 Council members discussed the bid process and the quality of work expected from the
2 recommended contractor. Councilmember Mecham raised concerns about the durability of
3 current ADA ramp materials and suggested investigating alternative designs for future projects.

4 Councilmember Hirst **moved** to approve the bid award for the 400 East – 100 S to Pages
5 Ln – ADA / Ped Ramp Replacement Project to Albretsen's Concrete & Construction for
6 \$260,300.00. Councilmember Plummer seconded the motion, which passed unanimously (5-0).

7 8 **MINUTES REVIEW AND APPROVAL**

9
10 Minutes of the February 4, 2025 and February 18, 2025 Work Sessions and City Council
11 meetings were reviewed. Councilmember Hayman **moved** to approve all sets of minutes.
12 Councilmember Mecham seconded the motion, which passed unanimously (5-0).

13 14 **APPOINTMENTS**

15
16 Mayor Wilkinson recommended the appointment of Gary Woodward to the Planning
17 Commission. Councilmember Hirst **moved** to approve the appointment. Councilmember
18 Summerhays seconded the motion, which passed unanimously (5-0).

19 20 **COUNCIL LIAISON REPORT**

- 21
22 • Councilmember Mecham reported briefly on Utopia, noting that numbers had dropped
23 slightly but there were no significant changes or ongoing activities to report.

24 25 **MAYOR REPORT**

- 26
27 • Mayor Wilkinson reported on the Youth City Council's recent day at the Capitol, which
28 was planned and executed by the youth themselves.
29 • Mayor Wilkinson mentioned the grand openings of Snelgrove and Wetzel's Pretzels.
30 • Mayor Wilkinson announced that interviews for the Executive Director position at
31 Wasatch Integrated Waste Management would begin on March 17, 2025.
32 • Mayor Wilkinson expressed concern about Senate Bill 337, which deals with state
33 authority over local land use decisions. Mike Eggett provided more details about the
34 bill and its potential impacts on local governance.

35 36 **CITY MANAGER REPORT**

- 37
38 • City Manager Brant Hanson announced that the spring cleanup would be held in April
39 at Smoot Park due to scheduled parking lot construction at Community Park.
40 • City Manager Brant Hanson mentioned upcoming general plan survey questions and
41 asked council members to review and provide feedback.
42 • City Manager Brant Hanson reminded council members about the upcoming League
43 Conference in April and encouraged attendance.
44 • City Manager Brant Hanson discussed the drainage rate increase set to take effect on
45 March 26, with billing reflective of the change starting May 1.

46 47 **ADJOURNMENT**

48
49 At 9:04 pm, Councilmember Summerhays **moved** to adjourn the meeting.
50 Councilmember Hayman seconded the motion which passed by a unanimous vote (5-0).

1
2
3

Jennifer Robison, City Recorder

Date Approved

CENTERVILLE
city
CITY COUNCIL

Staff Report

3/18/2025

Item No. 1.

Title: Monthly Financial Report

Initiated By: Nate Plaizier, Finance Director

Staff Representative: Nate Plaizier, Finance Director

SUBJECT:

Monthly Financial Report - February 2025

RECOMMENDATION:

BACKGROUND:

Municipal code requires the Finance Director provide the City's monthly financials. Attached to this agenda item, you will find the financials for the month ending February 2025. Unless there are questions, this agenda item is purely informational.

ATTACHMENTS:

1. Centerville City Financials - February 2025

Centerville City Corporation

FINANCIAL REPORT

As of February 28, 2025

	Contents	Page Number
1.	Cash Position	1
2.	Financial Summary	3
3.	Financial Statements Detail	7

Centerville City Corporation
Cash Position by Fund and in Total

Month	General	RDA	MBA	Rec	RAP	Cemetery	Debt Service	Park	Capital Projects	Transp	UTOPIA	Water	Sani	Drainage	Telecom	Whitaker	Total	St Treas Int. Rate
Feb-25	4,430,272	2,603,787	-	40,853	595,326	134,726	-	252,130	5,881,476	999,683	27	673,616	207,928	498,276	7,631	-	16,325,731	4.5259%
Jan-25	4,173,167	2,642,726	-	30,490	586,233	133,766	-	664,039	5,983,750	972,132	13,097	638,611	196,208	475,223	7,574	-	16,517,015	4.5451%
Dec-24	4,314,675	2,715,899	-	18,115	583,998	132,489	-	741,262	5,947,884	789,426	26,166	534,372	217,697	453,814	8,663	-	16,484,460	4.7359%
Nov-24	2,565,971	2,769,406	-	22,373	574,544	131,605	-	766,080	6,068,273	884,090	39,236	578,950	248,760	393,820	9,811	-	15,052,921	4.8681%
Oct-24	2,454,015	2,821,875	-	18,813	565,549	130,223	-	739,305	6,044,679	1,284,071	52,306	519,798	195,325	346,030	4,462	-	15,176,452	5.0377%
Sep-24	3,980,828	2,862,920	-	1,762	563,639	128,230	-	699,426	5,227,427	1,103,352	73,403	390,118	176,689	248,284	4,134	-	15,460,213	5.3241%
Aug-24	3,975,240	2,917,173	-	(4,278)	553,671	127,032	-	654,932	5,208,208	1,361,314	78,445	476,366	166,832	117,196	4,238	-	15,636,370	5.4058%
Jul-24	4,538,090	2,966,124	-	(1,592)	545,467	149,226	-	598,582	5,188,303	1,328,714	99,543	478,091	166,761	40,590	1,775	-	16,099,674	5.4310%
Jun-24	5,691,028	3,044,595	-	(4,699)	541,621	142,220	-	548,997	5,385,075	1,275,082	112,613	367,643	104,842	21,242	7,824	-	17,238,081	5.4391%
May-24	4,723,478	3,331,401	-	1,915	530,891	141,021	-	956,753	5,323,305	1,270,814	(12,492)	1,254,502	143,174	107,242	10,821	-	17,782,825	5.4314%
Apr-24	4,950,801	3,432,656	-	13,441	520,483	136,717	-	893,131	5,413,235	1,074,192	(6,246)	1,201,638	153,944	84,292	15,738	-	17,884,021	5.4469%
Mar-24	5,075,098	3,509,603	-	10,362	517,448	133,919	-	959,168	5,607,716	919,423	-	1,217,418	114,564	82,364	8,609	-	18,155,693	5.4438%
Feb-24	4,785,892	1,738,058	-	18,325	507,730	132,516	-	927,005	5,735,601	865,918	-	1,094,851	99,675	59,302	11,534	-	15,976,407	5.4808%
Jan-24	4,629,216	1,790,271	-	1,658	498,012	128,326	-	893,421	5,677,442	795,020	-	1,132,342	94,139	109,079	7,438	-	15,756,363	5.4817%
Dec-23	4,586,077	1,844,933	-	(3,940)	494,391	122,624	-	849,642	5,659,518	491,935	4,773	1,245,798	126,686	96,103	4,726	-	15,523,264	5.4761%
Nov-23	3,351,041	1,896,781	-	3,475	484,923	119,922	-	826,840	5,612,023	436,527	11,019	1,409,339	115,460	79,861	4,519	-	14,351,729	5.4874%
Oct-23	3,328,790	1,960,097	-	5,352	475,232	117,828	-	883,914	5,575,562	746,908	17,265	1,498,909	70,927	53,965	3,816	-	14,738,565	5.4334%
Sep-23	7,558,129	2,012,123	-	(4,454)	473,544	115,230	-	848,622	1,700,257	1,642,000	23,510	1,663,831	62,541	24,475	5,793	-	16,125,603	5.4308%
Aug-23	7,804,276	2,090,236	-	5,242	464,111	110,939	-	808,491	1,670,032	1,299,399	29,756	1,779,332	54,525	215,576	878	-	16,332,794	5.3014%
Jul-23	8,028,304	2,207,268	-	3,550	438,474	134,048	-	758,957	1,728,835	1,714,844	36,002	1,041,894	100,477	205,464	4,426	-	16,402,542	5.1762%
Jun-23	8,042,303	2,268,667	-	9,552	433,477	133,162	-	702,013	1,680,830	1,677,041	42,248	1,458,824	65,320	550,024	4,213	-	17,067,675	5.1759%
May-23	8,314,749	2,501,429	1,207	2,962	425,528	127,082	3,839	1,049,663	1,610,477	1,616,533	(49,374)	1,525,703	60,313	558,717	3,328	-	17,752,156	5.0620%
Apr-23	8,241,789	2,517,903	1,207	31,533	416,027	126,302	3,839	1,008,675	1,544,671	1,471,931	(5,927)	1,468,144	65,732	545,636	3,143	-	17,440,605	5.0063%
Mar-23	8,458,679	2,673,562	1,207	33,709	414,308	123,430	3,839	965,465	1,525,557	1,426,519	-	1,374,699	67,462	594,094	3,010	-	17,665,541	4.8008%
Feb-23	7,965,515	1,081,540	1,207	38,220	406,194	120,760	3,839	923,803	1,607,518	1,507,799	-	1,364,135	60,903	678,129	2,215	-	15,761,775	4.6641%
Jan-23	7,743,142	1,167,698	1,207	61,766	397,166	120,011	3,839	874,315	1,539,485	1,433,004	-	1,275,235	103,675	683,156	2,031	-	15,405,732	4.2771%
Dec-22	7,621,459	1,227,182	1,207	61,748	395,116	122,161	3,839	820,528	1,727,037	1,241,784	-	1,168,363	61,707	653,208	1,492	-	15,106,833	3.8533%
Nov-22	6,326,136	1,299,370	1,207	69,265	387,435	120,026	3,839	792,711	1,819,670	1,182,350	(13,524)	1,295,537	59,828	629,041	4,040	-	13,976,934	3.3688%
Oct-22	6,949,653	1,347,286	1,207	74,727	380,376	119,413	3,839	752,782	1,886,327	1,893,349	(2,196)	1,564,233	63,304	690,251	2,880	-	15,727,432	2.8614%
Sep-22	6,836,982	1,389,883	1,207	75,617	380,348	113,313	3,839	675,685	1,789,996	1,830,805	9,132	1,087,508	58,902	670,546	6,361	-	14,930,123	2.4789%
Aug-22	7,666,493	1,439,363	1,207	90,486	373,600	109,130	3,839	633,758	1,801,372	1,718,599	20,460	1,118,942	57,709	636,428	3,649	-	15,675,035	2.2131%
Jul-22	7,997,382	1,491,230	1,207	114,518	373,826	133,433	3,839	581,824	1,756,369	1,469,012	74,383	1,357,854	115,865	914,534	5,051	-	16,390,327	1.6425%
Jun-22	7,445,235	1,569,276	1,207	19,134	367,809	126,876	3,839	510,163	1,708,837	1,397,441	85,711	1,196,352	29,083	882,948	4,505	-	15,348,417	1.1244%
May-22	7,670,380	1,622,606	1,207	1,705	361,548	124,138	3,839	804,316	1,706,942	1,452,365	96,825	1,442,950	88,989	1,031,046	7,498	-	16,416,354	0.8032%
Apr-22	7,524,464	1,845,458	1,207	11,109	355,541	121,211	3,839	758,961	1,705,445	1,300,099	107,086	1,499,169	89,098	1,055,330	5,392	-	16,383,410	0.6224%
Mar-22	7,582,050	1,996,244	1,207	17,660	357,878	120,990	3,839	711,690	1,704,251	1,256,496	(7,174)	1,572,147	86,890	1,107,501	8,470	-	16,520,139	0.5282%
Feb-22	7,097,804	389,749	1,207	26,400	367,313	118,772	3,839	654,716	1,703,546	1,284,507	3,087	1,150,682	81,660	1,062,288	3,413	-	13,948,982	0.4742%

Centerville City Corporation
Cash Position by Fund and in Total
As of February 28, 2025

	Cash	Debt Reserve Cash	Restricted Cash						
			Cash/Bonds Deposits	TRF	DUI Funds	Class C & Prop 1	Impact Fees	ARPA	Gun Range Deposit
GENERAL FUND	\$ 4,430,272		\$ 782,023		\$ 45,121				\$ 9,000
RDA	\$ 2,603,787			\$ 694,771					
MBA	\$ -								
RECREATION	\$ 40,853								
RAP	\$ 595,326								
PROJECT IMPACT - CAPITAL IMP	\$ 5,881,476								
UTOPIA PROJECT FUND	\$ 27								
WATER FUND	\$ 673,616								
SANITATION FUND	\$ 207,928								
DEBT SERVICE	\$ -								
CEMETERY (\$37,700 Perm Restricted)	\$ 134,726								
DRAINAGE UTILITY	\$ 498,276								
TELECOM FUND	\$ 7,631								
WHITAKER TRUST FUND	\$ -								
PARK (Impact Fee)	\$ 252,130								
TRANSPORTATION (Class C & Prop 1)	\$ 999,683					\$ 965,050			
TOTAL	\$ 16,325,731	\$ -	\$ 782,023	\$ 694,771	\$ 45,121	\$ 965,050	\$ -	\$ -	\$ 9,000

Centerville City Corporation Financial Summary

For the Month Ended February 28, 2025

(No Assurance Provided)

67% of the Fiscal Year has Elapsed

GENERAL FUND		February Actual	Year-to-Date Actual	Current Budget	Remaining Budget	Percentage of Budget Used	Page	Comments
Line								
Revenues:								
1	Taxes:	764,318	6,861,788	8,995,585	2,133,797	76%	11	
2	Property Taxes	68,274	2,161,407	2,275,585	114,178	95%	11	
3	Fee In Lieu of Taxes	11,734	93,320	110,000	16,680	85%	11	
4	Property Taxes - Due	Feb 2024 - \$3,876,833	950	7,609	50,000	42,391	15%	11
5	Sales Tax - General	Feb 2024 - \$437,910	521,879	3,826,624	5,500,000	1,673,376	70%	11
6	Franchise Tax - Power	Feb 2024 - \$214,308	51,130	515,221	550,000	34,779	94%	11
7	Franchise Tax - Natural Gas		88,904	160,185	350,000	189,815	46%	11
8	Franchise Tax - Telecomm		5,554	47,513	80,000	32,487	59%	11
9	Franchise Tax - CATV		15,893	49,908	80,000	30,092	62%	11
10	Licenses and Permits		12,128	283,516	319,130	35,614	89%	11
11	Intergovernmental		3,614	63,552	75,046	11,494	85%	11
12	Charges for Services	Feb 2024 - \$191,875	209,467	1,756,361	2,704,483	948,122	65%	12
13	Fines and Forfeitures		28,153	247,255	272,000	24,745	91%	12
14	Miscellaneous		45,211	236,040	404,210	168,170	58%	12
15	Non-Operating Revenue		5,372	56,145	96,320	40,175	58%	13
16	Contributions & Transfers		2,497	19,543	122,973	103,430	16%	13
17	Total Revenues	1,070,760	9,524,199	12,989,747	3,465,548	73%	13	Feb 2024 - \$9,378,806
Expenditures:								
18	Legislative	4,660	48,274	103,348	55,074	47%	14	
19	Judicial	23,111	215,656	346,266	130,610	62%	15	
20	Administrative	81,200	610,458	992,699	382,241	61%	16	
21	Attorney	16,906	150,800	250,649	99,849	60%	17	
22	Finance	36,260	421,889	686,179	264,290	61%	18	
23	Emergency Management	1,071	21,983	38,791	16,808	57%	19	
24	Fire Services	98,552	778,507	1,182,618	404,111	66%	19	
25	Youth Council	288	10,600	14,600	4,000	73%	19	
26	Whitaker	3,725	34,404	51,447	17,043	67%	19	
27	Police	295,403	2,520,131	4,168,770	1,648,639	60%	21	
28	Liquor Law Enforcement	-	14,953	33,119	18,166	45%	21	
29	School Crossing Program	10,436	65,947	92,900	26,953	71%	21	
30	K-9	212	5,115	12,000	6,885	43%	21	
31	D.A.R.E. Program	-	1,504	5,000	3,496	30%	21	
32	Public Works Administration	57,425	488,403	757,317	268,914	64%	22	
33	Streets	66,179	660,818	1,062,232	401,414	62%	23	
34	GIS Department	22,640	117,641	178,659	61,018	66%	24	
35	Engineering	17,811	138,512	238,450	99,938	58%	24	
36	Parks	58,962	650,194	1,080,072	429,878	60%	25	
37	Parks and Recreation Committee	-	128	540	412	24%	25	
38	Trails Committee	128	928	4,140	3,212	22%	26	
39	Department 4513	55	172	940	768	18%	26	
40	Community Events	18,583	137,564	200,409	62,845	69%	26	
42	Parks and Recreation Facility	4,318	16,979	20,726	3,747	82%	27	
43	General Gov. Buildings - Maint. Facility	11,441	48,161	55,804	7,643	86%	27	
44	General Gov. Buildings - City Hall	13,859	133,477	191,045	57,568	70%	27	
45	Public Works Storage Facility	1,346	7,315	15,715	8,400	47%	28	
46	Whitaker Home	275	15,527	46,625	31,098	33%	28	
47	Community Development	32,194	363,309	485,249	121,940	75%	28	
48	Planning Commission	155	1,555	9,500	7,946	16%	29	
49	Board of Adjustment	125	125	450	325	28%	29	
50	Landmarks Commission	-	-	100	100	0%	29	
51	Building Inspection	-	24,326	71,650	47,324	34%	29	
52	Transfers to Other Fund	42,978	343,826	591,738	247,912	58%	29	
53	Total Expenditures	Feb 2024 - \$8,011,943	920,298	8,049,181	12,989,747	4,940,566	62%	29
54	Net Revenue Over/(Under) Expenditures	150,462	1,475,018	-	(1,475,018)	-	29	YTD Net Income Feb 2024 - \$1,366,864
REDEVELOPMENT AGENCY FUND								
		February Actual	Year-to-Date Actual	Current Budget	Remaining Budget	Percentage of Budget Used		
Revenues:								
55	Tax Revenue	-	-	1,846,000	1,846,000	0%	31	Will receive in March/April
56	Miscellaneous Income	6,777	53,260	10,000	(43,260)	533%	31	
57	Payments - Contributions	20,819	96,041	110,000	13,959	87%	31	
58	Total Revenues	27,595	149,300	1,966,000	1,816,700	8%	31	
Expenditures:								
59	Expenditures	28,625	305,857	983,414	677,557	31%	32	
60	Transfer to Other Fund	37,504	281,925	455,586	173,661	62%	32	
61	Improvement Projects	405	10,239	527,000	516,761	2%	32	
62	Total Expenditures	66,534	598,020	1,966,000	1,367,980	30%	32	
63	Net Revenue Over (Under) Expenditures	(38,939)	(448,720)	-	448,720	-	32	

Centerville City Corporation Financial Summary

For the Month Ended February 28, 2025

(No Assurance Provided)

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RECREATION FUND		February Actual	Year-to-Date Actual	Current Budget	Remaining Budget	Percentage of Budget Used	
Revenues:							
1	Charges for Services	8,660	66,970	89,480	22,510	75%	34
2	Donations	7,050	9,953	8,250	(1,703)	121%	34
3	Total Revenues	15,710	76,923	97,730	20,807	79%	34
Expenditures:							
4	Summer Recreation	139	14,253	28,315	14,062	50%	35
5	Off Season Recreation	4,640	7,745	19,500	11,755	40%	35
6	Youth Baseball/Softball	567	17,715	49,915	32,200	35%	35
7	Total Expenditures	5,347	42,391	97,730	55,339	43%	35
8	Net Revenue Over (Under) Expenditures	10,363	34,532	-	(34,532)	-	35
RAP TAX FUND							
Revenues:							
9	RAP Tax	49,937	390,860	524,525	133,665	75%	37
10	Miscellaneous	4,099	38,403	20,000	(18,403)	192%	37
11	Source 39	-	-	157,795	157,795	0%	37
12	Total Revenues	54,037	429,263	702,320	273,057	61%	37
Expenditures:							
13	Transfers and Grants	44,944	366,487	702,320	335,833	52%	38
14	Total Expenditures	44,944	366,487	702,320	335,833	52%	38
15	Net Revenue Over (Under) Expenditures	9,093	62,777	-	(62,777)	-	38
CEMETERY PERPETUAL CARE FUND							
Revenues:							
16	Charges for Services	2,000	15,000	33,000	18,000	45%	40
17	Miscellaneous Revenue	160	1,506	1,100	(406)	137%	40
	Total Revenues	2,160	16,506	34,100	17,594	48%	40
Expenditures							
18	Tranfers to Other Funds	-	-	34,100	34,100	0%	41
19	Total Expenditures	-	-	34,100	34,100	0%	41
20	Net Revenue Over (Under) Expenditures	2,160	16,506	-	(16,506)	-	41
CAPITAL PROJ. FUND - PARK IMP. FUND							
Revenues:							
21	Intergovernmental Revenue	-	-	400,000	400,000	0%	
22	Charges for Services	45,316	360,921	650,847	289,926	55%	43
23	Miscellaneous Revenue	2,383	23,478	50,000	26,522	47%	43
24	Contributions & Transfers	-	-	585,486	585,486	0%	43
25	Total Revenues	49,834	389,535	1,688,469	1,298,934	23%	43
Expenditures:							
26	Expenditures	-	-	20,000	20,000	0%	44
27	Other Park Expenditures	-	116,677	440,000	323,323	27%	44
28	Park Projects	461,743	569,725	1,228,469	658,744	46%	44
29	Total Expenditures	461,743	686,402	1,688,469	1,002,067	41%	44
30	Net Revenue Over (Under) Expenditures	(411,909)	(296,867)	-	296,867	-	44
CAPITAL PROJECTS FUND - CAPITAL IMP							
Revenues:							
31	Charges for Services	8,346	66,764	100,146	33,382	67%	46
32	Miscellaneous Revenue	17,483	148,197	80,000	(68,197)	185%	46
33	Contributions & Transfers	-	-	807,527	807,527	0%	46
34	Total Revenues	25,829	214,961	987,673	772,712	22%	46
Expenditures:							
35	Capital - Administrative	-	64,014	65,000	986	98%	47
36	Capital - Police	18,551	162,078	373,050	210,972	43%	47
37	Capital - Streets	-	232,382	244,500	12,118	95%	47
38	Capital - Parks	108,850	210,789	219,323	8,534	96%	47
39	Capital - Parks & Rec Facility	-	14,480	20,000	5,520	72%	47
40	Capital - Public Works Facility	-	18,143	25,000	6,857	73%	47
41	Capital - City hall	2,700	14,119	30,000	15,881	47%	47
42	Capital - Public Works Storage	-	858	10,800	9,942	8%	48
43	Total Expenditures	130,102	716,863	987,673	270,810	73%	48
44	Net Revenue Over (Under) Expenditures	(104,273)	(501,902)	-	501,902	-	48

Centerville City Corporation Financial Summary

For the Month Ended February 28, 2025

(No Assurance Provided)

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TRANSPORTATION FUND							
		February Actual	Year-to-Date Actual	Current Budget	Remaining Budget	Percentage of Budget Used	
Revenues:							
1	Taxes	Prop 1 (Hwy) 45,654	346,744	500,000	153,256	69%	50
2	State Revenue	Class C funds -	555,867	800,000	244,133	69%	50
3	Transfers	34,633	277,062	415,592	138,530	67%	50
4	Misc. Revenue	3,419	30,127	35,000	4,873	86%	50
5	Source 39	-	-	149,508	149,508	0%	
6	Total Revenues	Feb 2024 - \$1,293,303 83,706	1,209,799	1,900,100	690,301	64%	50
Expenditures:							
7	Capital Proj.	35,958	1,095,929	1,125,100	29,171	97%	51
8	Annual Proj.	20,197	365,364	775,000	409,636	47%	51
9	Total Expenditures	56,155	1,461,294	1,900,100	438,806	77%	51
10	Net Revenue Over (Under) Expenditures	27,551	(251,495)	-	251,495	-	51
CAPITAL PROJ. FUND - UTOPIA							
		February Actual	Year-to-Date Actual	Current Budget	Remaining Budget	Percentage of Budget Used	
Revenues:							
11	Utopia Rebate	will receive in June -	-	156,838	156,838	0%	53
12	Transfers	32,132	249,030	385,586	136,556	65%	53
13	Total Revenues	32,132	249,030	542,424	293,394	46%	53
Expenditures:							
14	Expenditures	45,202	361,615	542,424	180,809	67%	54
15	Total Expenditures	45,202	361,615	542,424	180,809	67%	54
16	Net Revenue Over (Under) Expenditures	(13,070)	(112,586)	-	112,586	-	54
WATER FUND							
		February Actual	Year-to-Date Actual	Current Budget	Remaining Budget	Percentage of Budget Used	
Revenues:							
17	Source 33	-	-	1,500,000	1,500,000	0%	56
18	Charges for Services	2,905	51,334	135,000	83,666	38%	56
19	Miscellaneous	3,340	32,781	30,000	(2,781)	109%	56
20	Operating Revenue	311,977	2,730,532	4,021,700	1,291,168	68%	56
22	Total Revenues	318,222	2,814,648	5,686,700	2,872,052	49%	56
Expenditures:							
23	Expenditures	323,453	2,197,659	3,276,205	1,078,546	67%	58
24	Capital Equipment/Proj.	16,543	108,992	2,910,495	2,801,503	4%	58
25	Water Projects	5,463	352,232	-	(352,232)	-	58
26	Development Waterline Projects	-	(202)	-	202	-	58
27	Total Expenditures	345,459	2,658,682	6,186,700	3,528,018	43%	58
28	Net Revenue Over (Under) Expenditures	(27,237)	155,966	(500,000)	(655,966)	-31%	58
SANITATION FUND							
		February Actual	Year-to-Date Actual	Current Budget	Remaining Budget	Percentage of Budget Used	
Revenues:							
29	Miscellaneous	majority recycling rebate 6,669	47,416	3,400	(44,016)	1395%	60
30	Operating Revenue	115,780	930,453	1,383,000	452,548	67%	60
31	Total Revenues	122,448	977,868	1,386,400	408,532	71%	60
Expenditures:							
32	Expenditures	109,411	833,377	1,386,400	553,023	60%	61
33	Total Expenditures	109,411	833,377	1,386,400	553,023	60%	61
34	Net Revenue Over (Under) Expenditures	13,038	144,491	-	(144,491)	-	61
DRAINAGE UTILITY FUND							
		February Actual	Year-to-Date Actual	Current Budget	Remaining Budget	Percentage of Budget Used	
Revenues:							
35	Impact Fees	-	-	39,000	39,000	0%	63
36	Miscellaneous	633	3,912	25,000	21,088	16%	63
37	Operating Revenue	128,205	1,321,611	1,930,000	608,389	68%	63
38	Total Revenues	128,838	1,325,523	1,994,000	668,477	66%	63
Expenditures:							
39	Expenditures	126,040	790,469	2,114,000	1,323,531	37%	64
1	Drainage Improvement Projects	-	48,531	-	(48,531)	-	64
2	Total Expenditures	126,040	839,000	2,114,000	1,275,000	40%	64
3	Net Revenue Over (Under) Expenditures	2,798	486,523	(120,000)	(606,523)	-405%	65

Centerville City Corporation Financial Summary
For the Month Ended February 28, 2025
(No Assurance Provided)

67% of the Fiscal Year has Elapsed

TELECOM FUND		February Actual	Year-to-Date Actual	Current Budget	Remaining Budget	Percentage of Budget Used	
Revenues:							
1	Charges for Services	6,500	65,299	125,000	59,701	52%	67
2	Interest Income (Source 36)	25	211	200	(11)	105%	67
3	Total Revenues	6,525	65,510	125,200	59,690	52%	67
Expenditures:							
4	Professional Services	6,536	61,311	125,200	63,889	49%	68
5	Total Expenditures	6,536	61,311	125,200	63,889	49%	68
6	Net Revenue Over (Under) Expenditures	(12)	4,199	-	(4,199)	-	68

CENTERVILLE CITY CORPORATION
COMBINED CASH INVESTMENT
FEBRUARY 28, 2025

COMBINED CASH ACCOUNTS

01-11110000	CASH - CHECKING	568,948.30
01-11310000	PETTY CASH - GENERAL CITY	200.00
01-11510000	PTIF - INVESTMENT ACCOUNT	8,128,215.67
01-11530000	PTIF-RAP TAX	6,533,788.39
01-11550000	PTIF-DCPA RES ACCT	1,048,376.87
01-11570000	PTIF-CEMETERY PERPETUAL CARE	46,201.32
	TOTAL COMBINED CASH	16,325,730.55
01-11100000	ALLOCATIONS DUE TO OTHER FUNDS	(16,325,730.55)
TOTAL UNALLOCATED CASH		.00

CASH ALLOCATION RECONCILIATION

10	ALLOCATION TO GENERAL FUND	4,430,271.80
20	ALLOCATION TO REDEVELOPMENT AGENCY FUND	2,603,787.11
25	ALLOCATION TO RECREATION FUND	40,853.06
27	ALLOCATION TO RAP TAX FUND	595,326.28
30	ALLOCATION TO CEMETERY PERPETUAL CARE	134,726.12
45	ALLOCATION TO PARK FUND	252,129.90
47	ALLOCATION TO CAPITAL PROJECTS FUND	5,881,475.80
48	ALLOCATION TO TRANSPORTATION FUND	999,683.00
49	ALLOCATION TO UTOPIA PROJECT FUND	26.81
51	ALLOCATION TO WATER FUND	673,615.97
52	ALLOCATION TO SANITATION FUND	207,927.56
53	ALLOCATION TO DRAINAGE UTILITY	498,276.04
54	ALLOCATION TO TELECOMMUNICATION FUND	7,631.10
	TOTAL ALLOCATIONS TO OTHER FUNDS	16,325,730.55
	ALLOCATION FROM COMBINED CASH FUND - 01-11100000	(16,325,730.55)
ZERO PROOF IF ALLOCATIONS BALANCE		.00

CENTERVILLE CITY CORPORATION

BALANCE SHEET

FEBRUARY 28, 2025

GENERAL FUND

ASSETS

10-11100000	CASH - COMBINED FUND	4,430,271.80	
10-11210000	CASH-ZIONS ACCOUNT	29,861.39	
10-11310000	CASH - OVER & SHORTS	(42.98)	
10-11320000	DRUG/ALCOHOL INFORMANT ACCOUNT	200.00	
10-11330000	CASH REGISTER CHANGE FUND	100.00	
10-11340000	JP COURT CHANGE FUND	185.00	
10-11900000	ACCOUNTS RECEIVABLE AR	122,935.67	
10-13110000	ACCOUNTS RECEIVABLE ST LIGHT	377.06	
10-13170000	ACCOUNTS RECEIVABLE - OTHER	1,081,669.48	
10-13180000	ACCOUNTS RECIEVABLE-PROP TAXES	2,275,565.00	
10-13200000	ALLOWANCE FOR BAD DEBT	(2,500.00)	
10-13300000	PREPAID EXPENSE	110,558.93	
	TOTAL ASSETS		8,049,181.35

LIABILITIES AND EQUITY

CENTERVILLE CITY CORPORATION

BALANCE SHEET

FEBRUARY 28, 2025

GENERAL FUND

LIABILITIES

10-21310000	ACCOUNTS PAYABLE	16,298.67
10-21350000	ACCRUED PAYROLL	(886.28)
10-21510000	DOG LICENSES PAYABLE	60.00
10-22200000	WAGES PAYABLE	102,716.97
10-22210000	FWT PAYABLE	36,119.69
10-22220000	SWT PAYABLE	5,590.21
10-22230000	FICA PAYABLE	(5,314.60)
10-22300000	401K VOLUNTARY PAYABLE	3,738.59
10-22301000	457 VOLUNTARY CONTRIB/PAYABLE	2,117.15
10-22302000	MPP VOLUNTARY/PAYABLE	433.78
10-22303000	ROTH - IRA	532.50
10-22320000	RETIREMENT PAYABLE	25,655.33
10-22340000	EYEMED/PAYABLE	(177.76)
10-22360000	FRATERNAL ORDER OF POLICE/PYBL	975.00
10-22390000	EMPLOYEE MED INS PREMIUM	(6,290.62)
10-22391000	PEHP/DENTAL INSURANCE	1,151.71
10-22392000	STANDARD INSURANCE/TERM LIFE	68.93
10-22400000	ASSURITY PAYABLE	546.84
10-22420000	EMPLOYEES ASSOCIATION DUES	14.14
10-22440000	FLEX/HSA ACCOUNT CONTRIBUTIONS	(80,018.65)
10-22450000	LONG TERM DISABILITY	2,517.31
10-22460000	WORKERS COMPENSATION PAYABLE	42,208.41
10-22470000	REIREMENT MEDICAL HOLDING	23,394.82
10-22480000	FIRE SERVICE IMPACT FEE	644.00
10-22500000	CREDIT CARDS PAYABLE	.04
10-23130000	CONSTRUCTION DEPOSIT	66,000.00
10-23132720	CASH BOND - MOSS ACRES	18,754.00
10-23132730	CASH BOND - BARTILE BLDG 8	14,200.00
10-23132840	CASH BOND - PARRISH CREEK	21,100.00
10-23132890	CASH BOND - CW THE HIVE LLC	80,030.00
10-23132910	CASH BOND - PASTURE	18,500.00
10-23132930	CASH BOND - ACC TRUCK WORLD	9,000.00
10-23132940	CASH BOND - SUMMERHILL LANE	64,900.00
10-23132950	CASH BOND - CW THE LANE, LLC	66,560.00
10-23132960	CASH BOND - CENTER POINT CONST	90,295.50
10-23132980	CASH BOND - HOGAN & ASSOCIATES	211,410.00
10-23133010	CASH BOND - CANYON POINT SUBDI	62,900.00
10-23133040	CASH BOND - MILLET	1,750.00
10-23150000	POLICE EVIDENCE ACCOUNT	47,305.96
10-23151000	COURT - BAIL	9,317.84
10-23160000	GUN RANGE MAINTENANCE	9,000.00
10-23300000	DEFERRED REVENUE- PROPERTY TAX	2,275,565.00
10-23630000	UNEARNED REVENUE - OTHER	2,950.00
TOTAL LIABILITIES		3,241,634.48

FUND EQUITY

10-28500000	RESTRICTED FUND BALANCE	65,878.16
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CENTERVILLE CITY CORPORATION

BALANCE SHEET

FEBRUARY 28, 2025

GENERAL FUND

UNAPPROPRIATED FUND BALANCE:			
10-29510000	PRIOR UNREST. FUND BALANCE	3,268,649.03	
	REVENUE OVER EXPENDITURES - YTD	1,475,018.13	
	BALANCE - CURRENT DATE	4,743,667.16	
	TOTAL FUND EQUITY		4,809,545.32
	TOTAL LIABILITIES AND EQUITY		8,051,179.80

CENTERVILLE CITY CORPORATION
REVENUES WITH COMPARISON TO BUDGET
FOR THE 8 MONTHS ENDING FEBRUARY 28, 2025

GENERAL FUND

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEARNED	PCNT
<u>TAX REVENUE</u>						
10-31-100000	PROPERTY TAXES	68,273.51	2,161,407.48	2,275,585.00	114,177.52	95.0
10-31-120000	FEE IN LIEU OF TAXES	11,734.48	93,319.71	110,000.00	16,680.29	84.8
10-31-200000	PROPERTY TAXES - DUE	950.24	7,609.09	50,000.00	42,390.91	15.2
10-31-300000	SALES TAX - GENERAL	521,878.57	3,826,624.45	5,500,000.00	1,673,375.55	69.6
10-31-410000	FRANCHISE TAX - POWER	51,130.09	515,221.09	550,000.00	34,778.91	93.7
10-31-420000	FRANCHISE TAX - NATURAL GAS	88,904.06	160,185.08	350,000.00	189,814.92	45.8
10-31-430000	FRANCHISE TAX - TELECOMM.	5,554.04	47,513.46	80,000.00	32,486.54	59.4
10-31-440000	FRANCHISE TAX - CATV	15,893.15	49,907.77	80,000.00	30,092.23	62.4
	TOTAL TAX REVENUE	764,318.14	6,861,788.13	8,995,585.00	2,133,796.87	76.3
<u>LICENSES AND PERMITS</u>						
10-32-100000	BUSINESS LICENSES	1,889.66	61,541.02	60,000.00	(1,541.02)	102.6
10-32-110000	BUILDING FEES	6,988.10	149,321.06	185,000.00	35,678.94	80.7
10-32-120000	PLAN CHECK FEES	1,872.84	63,469.60	60,000.00	(3,469.60)	105.8
10-32-130000	ELECTRICAL FEES	490.00	2,870.00	4,000.00	1,130.00	71.8
10-32-140000	PLUMBING FEES	280.00	1,400.00	2,500.00	1,100.00	56.0
10-32-150000	MECHANICAL FEES	490.00	4,130.00	5,000.00	870.00	82.6
10-32-160000	STATE SURCHARGE FEE	82.46	398.89	500.00	101.11	79.8
10-32-200000	APPROACH FEE (STREET & CURB)	35.00	385.00	2,000.00	1,615.00	19.3
10-32-220000	BICYCLE LICENSES	.00	.00	10.00	10.00	.0
10-32-230000	CHICKEN & RABBIT PERMITS	.00	.00	120.00	120.00	.0
	TOTAL LICENSES AND PERMITS	12,128.06	283,515.57	319,130.00	35,614.43	88.8
<u>INTERGOVERNMENTAL REVENUE</u>						
10-33-580000	STATE GRANT/LIQUOR LAW	.00	26,199.21	26,600.00	400.79	98.5
10-33-610000	SCHOOL RESOURCE OFFICER	.00	29,200.00	24,550.00	(4,650.00)	118.9
10-33-630000	PUBLIC SAFETY GRANTS	3,613.96	8,152.66	23,896.00	15,743.34	34.1
	TOTAL INTERGOVERNMENTAL REVENUE	3,613.96	63,551.87	75,046.00	11,494.13	84.7

CENTERVILLE CITY CORPORATION
REVENUES WITH COMPARISON TO BUDGET
FOR THE 8 MONTHS ENDING FEBRUARY 28, 2025

GENERAL FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEARNED	PCNT
<u>CHARGES FOR SERVICES</u>					
10-34-120000 SUBDIVISION INSPECTION FEE	.00	72,470.74	100,000.00	27,529.26	72.5
10-34-130000 ZONING & SUBDIVISION FEES	900.00	16,210.00	100,000.00	83,790.00	16.2
10-34-140000 BUILDING INSPECTION FEES	.00	6,335.61	1,000.00	(5,335.61)	633.6
10-34-150000 SALE OF MAPS & PUBLICATIONS	.00	.00	50.00	50.00	.0
10-34-310000 STREET EXCAVATION FEES	737.00	15,073.60	4,000.00	(11,073.60)	376.8
10-34-330000 STREET LIGHTING FEES	343.74	2,760.19	4,140.00	1,379.81	66.7
10-34-340000 STREET SIGN CHARGES	.00	.00	50.00	50.00	.0
10-34-730000 PARK RENTAL FEES	200.00	2,405.00	7,000.00	4,595.00	34.4
10-34-740000 PARK USE AGREEMENTS	220.00	5,368.75	7,000.00	1,631.25	76.7
10-34-750000 PARK FEES - CONCESSION LEASE	.00	500.00	.00	(500.00)	.0
10-34-800000 CEMETERY - LOT E	.00	600.00	.00	(600.00)	.0
10-34-810000 CEMETERY LOTS- ABCD	.00	3,400.00	.00	(3,400.00)	.0
10-34-830000 GRAVE OPENING CHARGES	3,200.00	25,000.00	34,000.00	9,000.00	73.5
10-34-840000 NICHE WALL	700.00	1,360.00	3,000.00	1,640.00	45.3
10-34-900000 ADMIN OVERHEAD - WATER FUND	104,451.00	823,332.00	1,253,412.00	430,080.00	65.7
10-34-910000 ADMIN OVERHEAD - SANITATION	17,317.00	139,709.32	207,806.00	68,096.68	67.2
10-34-920000 ADMIN OVERHEAD - DRAINAGE FUND	54,373.00	430,826.32	652,473.00	221,646.68	66.0
10-34-940000 ADMIN OVERHEAD - RDA	27,025.00	211,009.32	324,302.00	113,292.68	65.1
10-34-950000 ADMIN OVERHEAD - TELECOMM	.00	.00	6,250.00	6,250.00	.0
TOTAL CHARGES FOR SERVICES	209,466.74	1,756,360.85	2,704,483.00	948,122.15	64.9
<u>FINES AND FORFEITURES</u>					
10-35-110000 CITY COURT	28,153.23	247,254.55	272,000.00	24,745.45	90.9
TOTAL FINES AND FORFEITURES	28,153.23	247,254.55	272,000.00	24,745.45	90.9
<u>MISCELLANEOUS REVENUE</u>					
10-36-100000 BANKING/INVEST. INTEREST	13,984.78	145,749.49	250,000.00	104,250.51	58.3
10-36-230000 BANKING/ZIONS BANK INT INCOME	1.83	1,588.32	1,000.00	(588.32)	158.8
10-36-250000 RENTAL CHARGES/COMUNITY CNT	.00	220.00	250.00	30.00	88.0
10-36-270000 SECURITY DEPOSIT/COMMUNITY CTR	.00	.00	50.00	50.00	.0
10-36-280000 WHITAKER FEES	840.00	1,590.00	3,000.00	1,410.00	53.0
10-36-290000 SALE OF HISTORIC MAPS	.00	.00	10.00	10.00	.0
10-36-400000 SALE OF FIXED ASSETS	29,415.08	70,080.08	132,500.00	62,419.92	52.9
10-36-800000 WITNESS FEES	.00	239.50	350.00	110.50	68.4
10-36-820000 CITIZEN'S ACADEMY	275.00	900.00	1,000.00	100.00	90.0
10-36-830000 POLICE COMMUNITY PROGRAMS	.00	.00	1,000.00	1,000.00	.0
10-36-840000 SEX OFFENDER REGISTRY FEE	.00	.00	50.00	50.00	.0
10-36-900000 SUNDRY REVENUE	694.38	15,672.37	15,000.00	(672.37)	104.5
TOTAL MISCELLANEOUS REVENUE	45,211.07	236,039.76	404,210.00	168,170.24	58.4

CENTERVILLE CITY CORPORATION
REVENUES WITH COMPARISON TO BUDGET
FOR THE 8 MONTHS ENDING FEBRUARY 28, 2025

GENERAL FUND

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEARNED	PCNT
	<u>NON-OPERATING REVENUE</u>					
10-38-200000	TRANSFER FROM RDA-HOMELESS	5,372.02	32,895.26	70,000.00	37,104.74	47.0
10-38-340000	CONTRIBUTION/JULY 4TH	.00	8,020.00	8,020.00	.00	100.0
10-38-450000	MISC. CONTRIBUTIONS	.00	3,525.00	500.00	(3,025.00)	705.0
10-38-470000	POLICE CONTRIBUTIONS	.00	6,500.00	6,500.00	.00	100.0
10-38-500000	CONTRIBUTIONS-CENTENNIAL BOOK	.00	(520.00)	.00	520.00	.0
10-38-700000	CONTRIBUTION PREPAREDNESS FAIR	.00	5,725.00	10,500.00	4,775.00	54.5
10-38-750000	GUN RANGE DEPOSIT	.00	.00	800.00	800.00	.0
	<u>TOTAL NON-OPERATING REVENUE</u>	<u>5,372.02</u>	<u>56,145.26</u>	<u>96,320.00</u>	<u>40,174.74</u>	<u>58.3</u>
	<u>CONTRIBUTIONS & TRANSFERS</u>					
10-39-200000	TRANSFER FROM OTHER FUNDS	2,496.87	19,543.01	66,301.00	46,757.99	29.5
10-39-250000	USE OF FUND BALANCE	.00	.00	56,672.00	56,672.00	.0
	<u>TOTAL CONTRIBUTIONS & TRANSFERS</u>	<u>2,496.87</u>	<u>19,543.01</u>	<u>122,973.00</u>	<u>103,429.99</u>	<u>15.9</u>
	<u>TOTAL FUND REVENUE</u>	<u>1,070,760.09</u>	<u>9,524,199.00</u>	<u>12,989,747.00</u>	<u>3,465,548.00</u>	<u>73.3</u>

CENTERVILLE CITY CORPORATION
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 8 MONTHS ENDING FEBRUARY 28, 2025

GENERAL FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>LEGISLATIVE</u>					
10-4111-120.0 WAGES - COUNCIL	3,700.00	29,071.43	51,900.00	22,828.57	56.0
10-4111-130.0 FICA	290.69	2,225.21	3,971.00	1,745.79	56.0
10-4111-135.0 WORKERS COMPENSATION	77.42	619.36	1,300.00	680.64	47.6
10-4111-141.0 TRANSPORTATION ALLOWANCE	100.00	785.71	1,200.00	414.29	65.5
10-4111-200.0 UNIFORM PURCHASE	.00	.00	1,200.00	1,200.00	.0
10-4111-210.0 ULC&T	.00	8,812.44	15,107.00	6,294.56	58.3
10-4111-211.0 CHAMBER OF COMMERCE MEMBERSHIP	.00	.00	1,000.00	1,000.00	.0
10-4111-217.0 CONTRIBUTIONS	.00	.00	1,000.00	1,000.00	.0
10-4111-231.0 MAYOR LUNCHEON	.00	.00	600.00	600.00	.0
10-4111-240.0 OFFICE SUPPLIES	.00	.00	100.00	100.00	.0
10-4111-264.0 IT SERVICES AND LICENSES	.00	1,062.48	1,170.00	107.52	90.8
10-4111-310.0 RECORDER SERVICES	49.50	148.50	3,500.00	3,351.50	4.2
10-4111-314.0 COMPUTER SERVICES	.00	.00	3,000.00	3,000.00	.0
10-4111-330.0 EDUCATION & TRAINING	.00	725.00	4,000.00	3,275.00	18.1
10-4111-480.0 MISC SUPPLIES	.00	214.31	300.00	85.69	71.4
10-4111-481.0 MEETING MEALS	442.36	3,289.33	4,000.00	710.67	82.2
10-4111-510.0 SPECIAL CONTINGENCY	.00	1,320.50	10,000.00	8,679.50	13.2
TOTAL LEGISLATIVE	4,659.97	48,274.27	103,348.00	55,073.73	46.7

CENTERVILLE CITY CORPORATION
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 8 MONTHS ENDING FEBRUARY 28, 2025

GENERAL FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>JUDICIAL</u>					
10-4120-110.0 SALARY AND WAGES	9,234.15	81,775.87	123,970.00	42,194.13	66.0
10-4120-111.0 OVERTIME PAY	101.73	232.53	1,000.00	767.47	23.3
10-4120-120.0 WAGES - JUDGE	4,653.76	40,055.57	60,499.00	20,443.43	66.2
10-4120-122.0 PART TIME - OFFICE	1,038.23	8,333.80	15,268.00	6,934.20	54.6
10-4120-130.0 FICA	1,127.51	9,302.47	15,357.00	6,054.53	60.6
10-4120-131.0 RETIREMENT	2,425.93	20,130.37	31,475.00	11,344.63	64.0
10-4120-132.0 MEDICAL INSURANCE	3,371.92	26,978.49	50,912.00	23,933.51	53.0
10-4120-134.0 LONG TERM DISABILITY	31.74	275.41	600.00	324.59	45.9
10-4120-135.0 WORKERS COMPENSATION	114.01	970.89	1,500.00	529.11	64.7
10-4120-230.0 MILEAGE REIMBURSEMENT	.00	.00	100.00	100.00	.0
10-4120-240.0 OFFICE SUPPLIES	.00	488.58	1,000.00	511.42	48.9
10-4120-241.0 PRINTING	.00	197.78	300.00	102.22	65.9
10-4120-242.0 POSTAGE	83.70	637.73	1,000.00	362.27	63.8
10-4120-260.0 EQUIP MAINT SUPPLIES	.00	.00	100.00	100.00	.0
10-4120-262.0 COPIER SUPPLIES	.00	60.38	400.00	339.62	15.1
10-4120-264.0 IT SERVICES AND LICENSES	.00	739.86	685.00 (	54.86)	108.0
10-4120-311.0 PROFESSIONAL SERVICES	219.29	371.42	700.00	328.58	53.1
10-4120-314.0 COMPUTER SERVICES	.00	.00	900.00	900.00	.0
10-4120-315.0 PROSECUTING ATTORNEY SERVICES	.00	19,372.41	28,000.00	8,627.59	69.2
10-4120-320.0 PUBLIC DEFENDER SERVICES	698.84	3,645.45	8,000.00	4,354.55	45.6
10-4120-330.0 EDUCATION & TRAINING	.00	.00	1,200.00	1,200.00	.0
10-4120-350.0 CONTRACT SERVICES - JUDGE	.00	.00	500.00	500.00	.0
10-4120-480.0 MISC SUPPLIES	10.28	131.69	250.00	118.31	52.7
10-4120-621.0 WITNESS FEES	.00	.00	250.00	250.00	.0
10-4120-623.0 JURY FEES	.00	.00	300.00	300.00	.0
10-4120-624.0 INTERPRETOR	.00	1,955.00	2,000.00	45.00	97.8
TOTAL JUDICIAL	23,111.09	215,655.70	346,266.00	130,610.30	62.3

CENTERVILLE CITY CORPORATION
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 8 MONTHS ENDING FEBRUARY 28, 2025

GENERAL FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>ADMINISTRATIVE</u>					
10-4130-110.0 SALARY AND WAGES	33,134.17	286,783.33	424,382.00	137,598.67	67.6
10-4130-111.0 OVERTIME PAY	446.05	2,268.95	5,500.00	3,231.05	41.3
10-4130-130.0 FICA	2,447.80	20,236.94	32,886.00	12,649.06	61.5
10-4130-131.0 RETIREMENT	5,643.22	46,467.12	72,951.00	26,483.88	63.7
10-4130-132.0 MEDICAL INSURANCE	5,291.60	42,332.80	91,910.00	49,577.20	46.1
10-4130-134.0 LONG TERM DISABILITY	113.07	964.35	900.00	(64.35)	107.2
10-4130-135.0 WORKERS COMPENSATION	294.60	2,509.11	4,625.00	2,115.89	54.3
10-4130-141.0 TRANSPORTATION ALLOWANCE	350.00	2,925.00	4,200.00	1,275.00	69.6
10-4130-200.0 UNIFORM ALLOWANCE	.00	52.41	1,000.00	947.59	5.2
10-4130-210.0 BOOKS & SUBSCRIPTIONS	21.45	215.25	1,000.00	784.75	21.5
10-4130-211.0 MEMBERSHIPS	1,309.50	3,010.86	4,000.00	989.14	75.3
10-4130-213.0 MUNICIPAL CODE SERVICES	.00	.00	1,750.00	1,750.00	.0
10-4130-220.0 PUBLIC NOTICES	.00	.00	1,000.00	1,000.00	.0
10-4130-230.0 MILEAGE REIMBURSEMENT	.00	261.73	1,000.00	738.27	26.2
10-4130-240.0 OFFICE SUPPLIES	417.64	5,412.83	1,800.00	(3,612.83)	300.7
10-4130-241.0 PRINTING	.00	.00	600.00	600.00	.0
10-4130-242.0 POSTAGE	197.34	368.17	1,400.00	1,031.83	26.3
10-4130-250.0 VEHICLE MAINTENANCE	.00	454.27	2,500.00	2,045.73	18.2
10-4130-260.0 EQUIP MAINT & SUPPLIES	.00	266.11	2,700.00	2,433.89	9.9
10-4130-264.0 IT SERVICES AND LICENSES	.00	3,251.09	36,275.00	33,023.91	9.0
10-4130-280.0 TELEPHONE AND DATA	232.70	2,448.47	3,800.00	1,351.53	64.4
10-4130-290.0 GASOLINE	67.01	782.09	1,000.00	217.91	78.2
10-4130-310.0 PROFESSIONAL SERVICES	2,297.40	50,804.72	35,050.00	(15,754.72)	145.0
10-4130-330.0 EDUCATION AND TRAINING	3,515.19	17,486.60	30,650.00	13,163.40	57.1
10-4130-480.0 MISC SUPPLIES	(1,033.16)	334.00	1,000.00	666.00	33.4
10-4130-481.0 EMPLOYEE - TUITION	.00	1,359.10	8,000.00	6,640.90	17.0
10-4130-482.0 EMPLOYEE - SERVICE	901.11	1,787.06	5,500.00	3,712.94	32.5
10-4130-483.0 EMPLOYEE - DINNER	27.39	10,536.92	9,500.00	(1,036.92)	110.9
10-4130-484.0 EMPLOYEE - WELLNESS	400.00	800.00	5,000.00	4,200.00	16.0
10-4130-485.0 MARKETING	8,939.71	19,798.56	27,000.00	7,201.44	73.3
10-4130-486.0 NEWSLETTER - PRINTING/POSTAGE	.00	420.00	7,000.00	6,580.00	6.0
10-4130-487.0 VOLUNTEER SERVICE RECOGNITION	.00	2,991.46	3,600.00	608.54	83.1
10-4130-512.0 INSURANCE - AUTO LIABILITY	.00	270.00	.00	(270.00)	.0
10-4130-740.0 CAPITAL EQUIPMENT	70.67	5,545.70	8,500.00	2,954.30	65.2
10-4130-745.0 NETWORK EQUIPMENT/LICENSING	7,382.83	62,872.57	144,620.00	81,747.43	43.5
10-4130-755.0 WEBSITE	8,732.56	14,440.83	10,100.00	(4,340.83)	143.0
TOTAL ADMINISTRATIVE	81,199.85	610,458.40	992,699.00	382,240.60	61.5

CENTERVILLE CITY CORPORATION
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 8 MONTHS ENDING FEBRUARY 28, 2025

GENERAL FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>ATTORNEY</u>					
10-4135-110.0 SALARY AND WAGES	12,614.90	113,699.80	165,138.00	51,438.20	68.9
10-4135-120.0 PART TIME WAGES	.00	.00	5,000.00	5,000.00	.0
10-4135-130.0 FICA	960.34	8,233.96	13,016.00	4,782.04	63.3
10-4135-131.0 RETIREMENT	2,140.74	17,560.36	28,024.00	10,463.64	62.7
10-4135-132.0 MEDICAL INSURANCE	814.55	6,516.40	10,496.00	3,979.60	62.1
10-4135-134.0 LONG TERM DISABILITY	42.90	364.65	700.00	335.35	52.1
10-4135-135.0 WORKERS COMPENSATION	20.30	181.10	300.00	118.90	60.4
10-4135-210.0 BOOKS & SUBSCRIPTIONS	277.45	1,070.60	5,000.00	3,929.40	21.4
10-4135-211.0 MEMBERSHIPS	.00	1,264.00	1,500.00	236.00	84.3
10-4135-215.0 FILING FEES & COSTS	.00	.00	100.00	100.00	.0
10-4135-230.0 MILEAGE REIMBURSEMENT	.00	.00	500.00	500.00	.0
10-4135-240.0 OFFICE SUPPLIES	.00	.00	500.00	500.00	.0
10-4135-242.0 POSTAGE	.00	.00	25.00	25.00	.0
10-4135-264.0 IT SERVICES AND LICENSES	.00	208.62	250.00	41.38	83.5
10-4135-280.0 TELEPHONE AND DATA	34.99	283.74	500.00	216.26	56.8
10-4135-311.0 ATTORNEY SERVICES	.00	1,099.50	10,000.00	8,900.50	11.0
10-4135-314.0 COMPUTER SERVICES	.00	71.88	1,500.00	1,428.12	4.8
10-4135-330.0 EDUCATION & TRAINING	.00	245.50	3,000.00	2,754.50	8.2
10-4135-480.0 MISC SUPPLIES	.00	.00	100.00	100.00	.0
10-4135-650.0 SPEC. PROJECT	.00	.00	5,000.00	5,000.00	.0
TOTAL ATTORNEY	16,906.17	150,800.11	250,649.00	99,848.89	60.2

CENTERVILLE CITY CORPORATION
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 8 MONTHS ENDING FEBRUARY 28, 2025

GENERAL FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>FINANCE</u>					
10-4140-110.0 SALARY AND WAGES	16,400.52	148,332.84	268,343.00	120,010.16	55.3
10-4140-111.0 OVERTIME PAY	.00	474.53	2,000.00	1,525.47	23.7
10-4140-120.0 PART TIME WAGES	5,466.16	49,487.15	75,709.00	26,221.85	65.4
10-4140-130.0 FICA	1,567.55	13,726.32	26,473.00	12,746.68	51.9
10-4140-131.0 RETIREMENT	3,666.57	30,777.32	58,726.00	27,948.68	52.4
10-4140-132.0 MEDICAL INSURANCE	3,413.83	29,461.36	77,266.00	47,804.64	38.1
10-4140-134.0 LONG TERM DISABILITY	55.30	476.53	1,200.00	723.47	39.7
10-4140-135.0 WORKERS COMPENSATION	35.98	327.96	600.00	272.04	54.7
10-4140-200.0 UNIFORM PURCHASE	.00	.00	1,000.00	1,000.00	.0
10-4140-210.0 BOOKS & SUBSCRIPTIONS	.00	.00	150.00	150.00	.0
10-4140-211.0 MEMBERSHIPS	.00	159.00	1,000.00	841.00	15.9
10-4140-220.0 PUBLIC NOTICES	.00	.00	100.00	100.00	.0
10-4140-230.0 MILEAGE REIMBURSEMENT	.00	156.71	500.00	343.29	31.3
10-4140-240.0 OFFICE SUPPLIES	949.64	2,571.95	2,000.00	(571.95)	128.6
10-4140-241.0 PRINTING	.00	.00	2,000.00	2,000.00	.0
10-4140-242.0 POSTAGE	432.38	2,687.47	3,000.00	312.53	89.6
10-4140-260.0 EQUIP MAINT & SUPPLIES	.00	104.99	1,000.00	895.01	10.5
10-4140-262.0 COPIER SUPPLIES	.00	562.99	1,800.00	1,237.01	31.3
10-4140-264.0 IT SERVICES AND LICENSES	.00	1,157.10	780.00	(377.10)	148.4
10-4140-280.0 TELEPHONE AND DATA	75.01	563.82	840.00	276.18	67.1
10-4140-310.0 PROFESSIONAL SERVICES	43.92	945.54	1,400.00	454.46	67.5
10-4140-311.0 RETIREMENT ADMINISTRATION FEES	.00	1,024.00	1,500.00	476.00	68.3
10-4140-312.0 CPA SERVICES	.00	23,940.00	22,000.00	(1,940.00)	108.8
10-4140-313.0 AUDIT SERVICES	.00	20,600.00	24,600.00	4,000.00	83.7
10-4140-314.0 COMPUTER SERVICES	644.50	5,156.00	9,734.00	4,578.00	53.0
10-4140-315.0 FLEX SPENDING SERVICES	100.00	1,300.00	1,200.00	(100.00)	108.3
10-4140-320.0 BANKING SERVICES	2,297.42	11,788.77	15,000.00	3,211.23	78.6
10-4140-327.0 CASH BOND INTEREST EXPENSE	.00	45,603.98	5,000.00	(40,603.98)	912.1
10-4140-330.0 EDUCATION AND TRAINING	750.00	2,659.00	10,000.00	7,341.00	26.6
10-4140-480.0 MISC SUPPLIES	361.28	499.93	1,200.00	700.07	41.7
10-4140-511.0 INSURANCE - LIABILITY	.00	27,343.46	45,058.00	17,714.54	60.7
10-4140-515.0 LIABILITY DEDUCTIBLE	.00	.00	25,000.00	25,000.00	.0
TOTAL FINANCE	36,260.06	421,888.72	686,179.00	264,290.28	61.5
<u>EMERGENCY MANAGEMENT</u>					
10-4150-261.0 EQUIPMENT MAINTENANCE	.00	.00	250.00	250.00	.0
10-4150-320.0 PREP FAIR	.00	14,457.73	25,041.00	10,583.27	57.7
10-4150-330.0 EDUCATION & TRAINING	1,071.43	6,634.12	8,000.00	1,365.88	82.9
10-4150-350.0 CITIZEN CORP	.00	.00	500.00	500.00	.0
10-4150-480.0 MISC SUPPLIES	.00	891.43	2,000.00	1,108.57	44.6
10-4150-740.0 CAPITAL EQUIPMENT	.00	.00	3,000.00	3,000.00	.0
TOTAL EMERGENCY MANAGEMENT	1,071.43	21,983.28	38,791.00	16,807.72	56.7

CENTERVILLE CITY CORPORATION
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 8 MONTHS ENDING FEBRUARY 28, 2025

GENERAL FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>FIRE SERVICES</u>					
10-4155-323.0 SOUTH DAVIS FIRE DIST. ASSMT	98,551.58	778,506.64	1,182,618.00	404,111.36	65.8
TOTAL FIRE SERVICES	98,551.58	778,506.64	1,182,618.00	404,111.36	65.8
<u>YOUTH COUNCIL</u>					
10-4180-480.0 MISCELANEOUS	287.95	6,935.60	7,000.00	64.40	99.1
10-4180-486.0 SPRING CONFERENCE	.00	3,664.00	7,100.00	3,436.00	51.6
10-4180-640.0 FLOAT	.00	.00	250.00	250.00	.0
10-4180-645.0 EASTER EGG HUNT	.00	.00	250.00	250.00	.0
TOTAL YOUTH COUNCIL	287.95	10,599.60	14,600.00	4,000.40	72.6
<u>WHITAKER</u>					
10-4190-120.0 PART TIME WAGES	2,372.16	20,417.52	31,055.00	10,637.48	65.8
10-4190-130.0 FICA	181.48	1,482.45	2,376.00	893.55	62.4
10-4190-131.0 RETIREMENT	402.56	3,302.18	5,271.00	1,968.82	62.7
10-4190-135.0 WORKERS COMPENSATION	49.30	419.05	500.00	80.95	83.8
10-4190-211.0 MEMBERSHIPS	223.00	373.00	980.00	607.00	38.1
10-4190-240.0 OFFICE SUPPLIES	.00	203.40	300.00	96.60	67.8
10-4190-264.0 IT SERVICES AND LICENSES	.00	208.62	325.00	116.38	64.2
10-4190-280.0 TELEPHONE - AIR TIME	20.00	162.15	240.00	77.85	67.6
10-4190-310.0 RECORDING SERVICES	60.42	159.28	400.00	240.72	39.8
10-4190-312.0 PUBLIC RELATIONS	250.00	1,538.05	2,500.00	961.95	61.5
10-4190-316.0 EVENT SUPPLIES	165.92	4,438.17	5,000.00	561.83	88.8
10-4190-330.0 EDUCATION & TRAINING	.00	624.90	1,400.00	775.10	44.6
10-4190-368.0 KEEPING THE STORIES ALIVE	.00	1,075.09	1,100.00	24.91	97.7
TOTAL WHITAKER	3,724.84	34,403.86	51,447.00	17,043.14	66.9

CENTERVILLE CITY CORPORATION
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 8 MONTHS ENDING FEBRUARY 28, 2025

GENERAL FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>POLICE DEPARTMENT EXPENDITURES</u>					
10-4210-110.0 SALARY AND WAGES	155,728.52	1,430,174.51	2,144,599.00	714,424.49	66.7
10-4210-111.0 OVERTIME PAY	3,607.71	27,182.51	88,000.00	60,817.49	30.9
10-4210-115.0 OVERTIME PAY-BALIFF	.00	.00	1,000.00	1,000.00	.0
10-4210-130.0 FICA	11,794.86	100,861.47	170,871.00	70,009.53	59.0
10-4210-131.0 RETIREMENT	47,702.60	391,641.99	689,763.00	298,121.01	56.8
10-4210-132.0 MEDICAL INSURANCE	33,316.21	264,949.95	531,230.00	266,280.05	49.9
10-4210-134.0 LONG TERM DISABILITY	530.21	4,554.51	7,690.00	3,135.49	59.2
10-4210-135.0 WORKERS COMPENSATION	3,163.41	27,151.97	39,785.00	12,633.03	68.3
10-4210-137.0 LINE OF DUTY	.00	.00	2,000.00	2,000.00	.0
10-4210-200.0 UNIFORM PURCHASE	1,927.88	6,310.92	13,800.00	7,489.08	45.7
10-4210-201.0 UNIFORM CLEANING	91.35	946.02	1,050.00	103.98	90.1
10-4210-210.0 BOOKS & SUBSCRIPTIONS	.00	214.48	580.00	365.52	37.0
10-4210-211.0 MEMBERSHIPS	250.00	1,503.28	2,250.00	746.72	66.8
10-4210-220.0 PUBLIC NOTICES	.00	159.93	350.00	190.07	45.7
10-4210-235.0 EVIDENCE SUPPLIES	.00	72.84	1,600.00	1,527.16	4.6
10-4210-240.0 OFFICE SUPPLIES	1,314.78	3,828.65	5,150.00	1,321.35	74.3
10-4210-241.0 PRINTING	.00	1,712.30	3,000.00	1,287.70	57.1
10-4210-242.0 POSTAGE	9.30	107.15	300.00	192.85	35.7
10-4210-250.0 VEHICLE MAINTENANCE - MISC.	698.83	5,136.61	20,000.00	14,863.39	25.7
10-4210-252.0 VEHICLE MAINTENANCE - BODY RPR	3,035.71	(2,585.30)	4,000.00	6,585.30	(64.6)
10-4210-253.0 VEHICLE MAINTENANCE - TIRES	.00	2,676.99	7,800.00	5,123.01	34.3
10-4210-254.0 VEHICLE MAINT- PREVENTATIVE	553.26	6,425.44	11,000.00	4,574.56	58.4
10-4210-255.0 RADAR MAINTENANCE	.00	.00	1,000.00	1,000.00	.0
10-4210-260.0 EQUIPMENT MAINTENANCE	1,308.31	1,937.70	5,000.00	3,062.30	38.8
10-4210-261.0 RADIO MAINTENANCE	549.65	1,377.89	3,500.00	2,122.11	39.4
10-4210-262.0 COPIER MAINTENANCE	.00	194.27	300.00	105.73	64.8
10-4210-263.0 OFFICE EQUIPMENT MAINTENANCE	83.40	334.17	500.00	165.83	66.8
10-4210-264.0 IT SERVICES AND LICENSES	1,184.00	10,167.76	10,600.00	432.24	95.9
10-4210-265.0 CRIME PREVENTION	.00	1,216.97	2,500.00	1,283.03	48.7
10-4210-267.0 WEAPONS MAINTENANCE	.00	136.31	650.00	513.69	21.0
10-4210-270.0 TELEPHONE AND DATA	540.59	3,895.70	7,500.00	3,604.30	51.9
10-4210-282.0 DATA - LAPTOPS	40.02	5,970.71	10,100.00	4,129.29	59.1
10-4210-290.0 GASOLINE	3,044.37	33,042.66	90,000.00	56,957.34	36.7
10-4210-310.0 PROFESSIONAL SERVICES	.00	521.00	19,500.00	18,979.00	2.7
10-4210-320.0 POLICE RECORDS SOFTWARE	13,512.84	27,432.84	25,920.00	(1,512.84)	105.8
10-4210-330.0 EDUCATION & TRAINING	681.00	21,069.63	42,250.00	21,180.37	49.9
10-4210-340.0 LEXIPOL P&P	759.28	14,973.00	9,700.00	(5,273.00)	154.4
10-4210-475.0 SMALL EQUIPMENT	.00	18,652.93	18,000.00	(652.93)	103.6
10-4210-480.0 MISC SUPPLIES	.00	2,070.50	6,200.00	4,129.50	33.4
10-4210-481.0 PHOTOGRAPHY SUPPLIES	.00	.00	1,000.00	1,000.00	.0
10-4210-482.0 AMMUNITION	.00	813.96	8,000.00	7,186.04	10.2
10-4210-483.0 INVESTIGATION SUPPLIES	(1,828.30)	1,352.63	34,000.00	32,647.37	4.0
10-4210-484.0 MEDICAL SUPPLIES	.00	.00	500.00	500.00	.0
10-4210-512.0 INSURANCE - AUTO LIAB.	4,320.00	14,843.40	12,494.00	(2,349.40)	118.8
10-4210-610.0 CITIZEN ACADEMY	.00	449.05	917.00	467.95	49.0
10-4210-620.0 EMPLOYEE - RECOGNITION	.00	.00	1,750.00	1,750.00	.0
10-4210-621.0 METRO TASK FORCE	.00	14,857.92	15,000.00	142.08	99.1
10-4210-623.0 EMPLOYEE - WELLNESS	3,350.95	21,496.65	19,546.00	(1,950.65)	110.0
10-4210-625.0 DISPATCH SERVICES	.00	38,773.99	53,800.00	15,026.01	72.1
10-4210-730.0 DEER MITIGATION FUNDS	334.04	350.02	500.00	149.98	70.0
10-4210-752.0 GRANT/DONATION PURCHASES	3,797.89	11,172.97	22,225.00	11,052.03	50.3

CENTERVILLE CITY CORPORATION
EXPENDITURES WITH COMPARISON TO BUDGET
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GENERAL FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
TOTAL POLICE DEPARTMENT EXPENDITURES	295,402.67	2,520,130.85	4,168,770.00	1,648,639.15	60.5
<u>LIQUOR LAW ENFORCEMENT</u>					
10-4218-110.0 SALARY & WAGES	.00	.00	8,125.00	8,125.00	.0
10-4218-130.0 FICA	.00	.00	625.00	625.00	.0
10-4218-135.0 WORKERS COMPENSATION	.00	.00	150.00	150.00	.0
10-4218-330.0 EDUCATION & TRAINING	.00	1,456.28	3,000.00	1,543.72	48.5
10-4218-480.0 MISC SUPPLIES	.00	132.00	500.00	368.00	26.4
10-4218-740.0 CAPITAL EQUIPMENT	.00	13,365.00	20,719.00	7,354.00	64.5
TOTAL LIQUOR LAW ENFORCEMENT	.00	14,953.28	33,119.00	18,165.72	45.2
<u>SCHOOL CROSSING PROGRAM</u>					
10-4219-120.0 PART TIME WAGES	9,503.98	60,272.40	83,000.00	22,727.60	72.6
10-4219-130.0 FICA	720.09	4,235.74	6,350.00	2,114.26	66.7
10-4219-135.0 WORKERS COMPENSATION	200.69	1,249.46	1,450.00	200.54	86.2
10-4219-271.0 UTILITIES - POWER	11.24	130.13	300.00	169.87	43.4
10-4219-480.0 MISC SUPPLIES	.00	59.46	1,800.00	1,740.54	3.3
TOTAL SCHOOL CROSSING PROGRAM	10,436.00	65,947.19	92,900.00	26,952.81	71.0
<u>K-9</u>					
10-4223-310.0 PROFESSIONAL SERVICES	.00	280.85	2,000.00	1,719.15	14.0
10-4223-330.0 EDUCATION & TRAINING	.00	3,617.40	7,750.00	4,132.60	46.7
10-4223-480.0 MISC SUPPLIES	212.14	1,217.03	2,250.00	1,032.97	54.1
TOTAL K-9	212.14	5,115.28	12,000.00	6,884.72	42.6
<u>D.A.R.E PROGRAM</u>					
10-4225-241.0 PRINTING	.00	460.00	500.00	40.00	92.0
10-4225-330.0 TRAINING & EDUCATION	.00	521.70	500.00	(21.70)	104.3
10-4225-480.0 MISC SUPPLIES	.00	522.78	4,000.00	3,477.22	13.1
TOTAL D.A.R.E PROGRAM	.00	1,504.48	5,000.00	3,495.52	30.1

CENTERVILLE CITY CORPORATION
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 8 MONTHS ENDING FEBRUARY 28, 2025

GENERAL FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>PUBLIC WORKS ADMINISTRATION</u>					
10-4405-110.0 SALARY AND WAGES	35,399.42	315,529.41	465,289.00	149,759.59	67.8
10-4405-111.0 OVERTIME PAY	142.01	169.33	3,000.00	2,830.67	5.6
10-4405-130.0 FICA	2,617.45	22,078.70	35,825.00	13,746.30	61.6
10-4405-131.0 RETIREMENT	6,007.26	48,699.71	79,469.00	30,769.29	61.3
10-4405-132.0 MEDICAL INSURANCE	8,925.65	69,017.08	128,776.00	59,758.92	53.6
10-4405-134.0 LONG TERM DISABILITY	120.36	1,011.65	1,700.00	688.35	59.5
10-4405-135.0 WORKERS COMPENSATION	783.48	6,918.38	6,300.00	(618.38)	109.8
10-4405-200.0 UNIFORM PURCHASE	.00	1,680.57	1,950.00	269.43	86.2
10-4405-210.0 BOOK & SUBSCRIPTIONS	.00	.00	200.00	200.00	.0
10-4405-211.0 MEMBERSHIPS	.00	49.00	500.00	451.00	9.8
10-4405-220.0 PUBLIC NOTICES	.00	.00	100.00	100.00	.0
10-4405-230.0 MILEAGE REIMBURSEMENT	.00	.00	100.00	100.00	.0
10-4405-240.0 OFFICE SUPPLIES	593.51	1,305.41	2,500.00	1,194.59	52.2
10-4405-241.0 PRINTING	.00	130.75	200.00	69.25	65.4
10-4405-242.0 POSTAGE	.00	.00	600.00	600.00	.0
10-4405-262.0 COPIER SUPPLIES	.00	.00	300.00	300.00	.0
10-4405-264.0 IT SERVICES AND LICENSES	.00	948.48	1,500.00	551.52	63.2
10-4405-280.0 TELEPHONE AND DATA	147.67	1,662.01	2,300.00	637.99	72.3
10-4405-310.0 PROFESSIONAL SERVICES	255.00	405.00	400.00	(5.00)	101.3
10-4405-330.0 EDUCATION AND TRAINING	1,352.50	6,151.54	8,500.00	2,348.46	72.4
10-4405-480.0 MISC SUPPLIES	135.51	576.10	1,500.00	923.90	38.4
10-4405-482.0 SMALL TOOLS & MINOR EQUIPMENT	945.58	11,723.27	14,500.00	2,776.73	80.9
10-4405-512.0 INSURANCE - AUTO LIABILITY	.00	346.52	1,808.00	1,461.48	19.2
TOTAL PUBLIC WORKS ADMINISTRATION	57,425.40	488,402.91	757,317.00	268,914.09	64.5

CENTERVILLE CITY CORPORATION
EXPENDITURES WITH COMPARISON TO BUDGET
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GENERAL FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>STREET DEPARTMENT</u>					
10-4410-110.0 SALARY AND WAGES	24,326.40	215,535.41	321,289.00	105,753.59	67.1
10-4410-111.0 OVERTIME	1,811.60	2,598.84	7,000.00	4,401.16	37.1
10-4410-130.0 FICA	1,934.57	15,346.52	25,115.00	9,768.48	61.1
10-4410-131.0 RETIREMENT	4,435.63	35,298.01	55,711.00	20,412.99	63.4
10-4410-132.0 MEDICAL INSURANCE	7,174.31	57,394.48	128,776.00	71,381.52	44.6
10-4410-134.0 LONG TERM DISABILITY	82.72	726.62	1,000.00	273.38	72.7
10-4410-135.0 WORKERS COMPENSATION	661.14	5,497.53	7,600.00	2,102.47	72.3
10-4410-200.0 UNIFORM PURCHASE	.00	2,378.98	2,375.00	(3.98)	100.2
10-4410-256.0 VEHICLE MAINTENANCE	1,203.62	60,425.77	58,000.00	(2,425.77)	104.2
10-4410-261.0 RADIO MAINTENANCE	.00	.00	100.00	100.00	.0
10-4410-264.0 IT SERVICES AND LICENSES	.00	550.62	495.00	(55.62)	111.2
10-4410-265.0 FIRE EXTINGUISHER	.00	.00	500.00	500.00	.0
10-4410-280.0 TELEPHONE AND DATA	112.67	3,053.51	4,500.00	1,446.49	67.9
10-4410-290.0 GASOLINE & DIESEL FUEL	.00	19,486.32	40,000.00	20,513.68	48.7
10-4410-314.0 COMPUTER SERVICES	.00	.00	125.00	125.00	.0
10-4410-330.0 EDUCATION & TRAINING	591.00	6,377.66	8,800.00	2,422.34	72.5
10-4410-478.0 SIGNAL UPGRADES	.00	7,952.48	12,500.00	4,547.52	63.6
10-4410-479.0 HAULING CONSTRUCTION MATERIAL	.00	230.26	1,000.00	769.74	23.0
10-4410-480.0 MISC SUPPLIES	956.01	2,461.55	6,000.00	3,538.45	41.0
10-4410-481.0 SNOW REMOVAL	.00	30,225.42	83,000.00	52,774.58	36.4
10-4410-482.0 ASPHALT	373.32	27,881.15	34,000.00	6,118.85	82.0
10-4410-484.0 MEDICAL SUPPLIES	.00	325.78	350.00	24.22	93.1
10-4410-485.0 TOOLS	772.16	1,596.64	2,500.00	903.36	63.9
10-4410-486.0 PAINT STRIPING MATERIALS	9,985.00	10,685.13	40,250.00	29,564.87	26.6
10-4410-488.0 SIGNS	655.38	26,869.67	48,000.00	21,130.33	56.0
10-4410-489.0 ROAD BASE	.00	704.48	1,300.00	595.52	54.2
10-4410-494.0 STREET SWEEPING CONTRACT	560.08	33,214.08	32,000.00	(1,214.08)	103.8
10-4410-512.0 INSURANCE	.00	12,867.11	6,946.00	(5,921.11)	185.2
10-4410-520.0 MISCELLANEOUS SERVICES	.00	1,856.20	13,000.00	11,143.80	14.3
10-4410-610.0 STREET LIGHT POWER	7,399.60	51,943.81	80,000.00	28,056.19	64.9
10-4410-620.0 STREET LIGHT REPAIRS	3,143.77	27,333.67	40,000.00	12,666.33	68.3
TOTAL STREET DEPARTMENT	66,178.98	660,817.70	1,062,232.00	401,414.30	62.2

CENTERVILLE CITY CORPORATION
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GENERAL FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>GIS DEPARTMENT</u>					
10-4470-110.0 SALARY AND WAGES	7,945.60	69,084.66	103,323.00	34,238.34	66.9
10-4470-111.0 OVERTIME PAY	.00	.00	1,000.00	1,000.00	.0
10-4470-130.0 FICA	547.10	4,829.87	7,981.00	3,151.13	60.5
10-4470-131.0 RETIREMENT	1,348.36	11,060.40	17,704.00	6,643.60	62.5
10-4470-132.0 MEDICAL INSURANCE	1,941.41	15,531.28	25,756.00	10,224.72	60.3
10-4470-134.0 LONG TERM DISABILITY	27.02	229.67	400.00	170.33	57.4
10-4470-135.0 WORKERS COMPENSATION	163.92	1,407.89	1,700.00	292.11	82.8
10-4470-200.0 UNIFORM PURCHASE	.00	417.71	400.00	(17.71)	104.4
10-4470-211.0 MEMBERSHIPS	.00	.00	150.00	150.00	.0
10-4470-240.0 OFFICE SUPPLIES	.00	1,293.90	2,000.00	706.10	64.7
10-4470-255.0 VEHICLE MAINTENANCE	18.27	490.09	350.00	(140.09)	140.0
10-4470-262.0 MAINTENANCE & SUPPLIES	.00	.00	500.00	500.00	.0
10-4470-264.0 IT SERVICES AND LICENSES	.00	208.62	195.00	(13.62)	107.0
10-4470-280.0 TELEPHONE AND DATA	35.00	664.62	500.00	(164.62)	132.9
10-4470-282.0 DATA - GPS	16.80	616.80	1,200.00	583.20	51.4
10-4470-310.0 PROFESSIONAL SERVICES	.00	199.00	1,300.00	1,101.00	15.3
10-4470-320.0 SOFTWARE SUPPORT	10,572.00	10,572.00	10,200.00	(372.00)	103.7
10-4470-330.0 EDUCATION & TRAINING	.00	134.00	3,000.00	2,866.00	4.5
10-4470-480.0 MISC SUPPLIES	25.00	900.00	1,000.00	100.00	90.0
TOTAL GIS DEPARTMENT	22,640.48	117,640.51	178,659.00	61,018.49	65.9
<u>ENGINEERING</u>					
10-4490-316.0 ENG. SERVICES - COMMUNITY DEV.	15,560.90	95,190.91	200,000.00	104,809.09	47.6
10-4490-317.0 ENG SERVICES - INSPECTION	.00	30,121.05	30,450.00	328.95	98.9
10-4490-321.0 ENG SERVICES - PARKS & CEMETER	.00	.00	1,000.00	1,000.00	.0
10-4490-322.0 ENG SERVICES - MISCELLANEOUS	2,250.00	11,550.00	7,000.00	(4,550.00)	165.0
10-4490-323.0 CEMETERY EXPANSION	.00	1,650.00	.00	(1,650.00)	.0
TOTAL ENGINEERING	17,810.90	138,511.96	238,450.00	99,938.04	58.1

CENTERVILLE CITY CORPORATION
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GENERAL FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>PARKS DEPARTMENT EXPENDITURES</u>					
10-4510-110.0 SALARY AND WAGES	30,567.33	270,875.96	401,691.00	130,815.04	67.4
10-4510-111.0 OVERTIME	1,180.06	7,370.03	8,000.00	629.97	92.1
10-4510-120.0 TEMPORARY AND PART TIME WAGES	665.84	93,312.41	150,000.00	56,687.59	62.2
10-4510-130.0 FICA	2,385.53	27,158.10	42,817.00	15,658.90	63.4
10-4510-131.0 RETIREMENT	5,372.81	43,948.69	73,046.00	29,097.31	60.2
10-4510-132.0 MEDICAL INSURANCE	5,885.55	54,726.66	107,961.00	53,234.34	50.7
10-4510-134.0 LONG TERM DISABILITY	141.24	1,196.71	1,600.00	403.29	74.8
10-4510-135.0 WORKERS COMPENSATION	668.56	7,912.63	13,400.00	5,487.37	59.1
10-4510-200.0 UNIFORM PURCHASES	.00	1,222.51	3,500.00	2,277.49	34.9
10-4510-211.0 MEMBERSHIPS	.00	.00	500.00	500.00	.0
10-4510-220.0 PUBLIC NOTICES	.00	.00	100.00	100.00	.0
10-4510-240.0 OFFICE SUPPLIES	24.58	512.78	500.00	(12.78)	102.6
10-4510-242.0 POSTAGE	.00	23.49	50.00	26.51	47.0
10-4510-250.0 VEHICLE MAINT & SUPPLIES	1,100.22	4,265.76	11,500.00	7,234.24	37.1
10-4510-260.0 MISC EQUIPMENT MAINTENANCE	2,007.52	4,044.39	9,500.00	5,455.61	42.6
10-4510-264.0 IT SERVICES AND LICENSES	.00	759.24	800.00	40.76	94.9
10-4510-268.0 MOWER MAINTENANCE	.00	4,279.74	13,000.00	8,720.26	32.9
10-4510-269.0 PARK MAINTENANCE	.00	17,412.12	25,000.00	7,587.88	69.7
10-4510-270.0 UTILITIES - WEBER BASIN WATER	.00	34,218.54	34,218.00	(.54)	100.0
10-4510-271.0 UTILITIES - DEUEL CREEK WATER	.00	32.47	28,960.00	28,927.53	.1
10-4510-274.0 UTILITIES - POWER	414.06	5,752.63	10,000.00	4,247.37	57.5
10-4510-277.0 UTILITIES - SEWER	.00	2,592.00	2,200.00	(392.00)	117.8
10-4510-280.0 TELEPHONE AND DATA	182.67	1,392.09	2,400.00	1,007.91	58.0
10-4510-290.0 GASOLINE	.00	10,127.82	20,000.00	9,872.18	50.6
10-4510-310.0 PROFESSIONAL SERVICES	75.00	1,965.00	13,000.00	11,035.00	15.1
10-4510-330.0 EDUCATION & TRAINING	2,070.00	2,090.00	5,500.00	3,410.00	38.0
10-4510-475.0 SMALL EQUIPMENT	.00	.00	5,500.00	5,500.00	.0
10-4510-480.0 MISC SUPPLIES	1,061.38	20,434.94	30,000.00	9,565.06	68.1
10-4510-481.0 FERTILIZERS - WEED CONTROL	29.85	13,143.68	27,000.00	13,856.32	48.7
10-4510-482.0 PLANTINGS	.00	3,500.00	9,000.00	5,500.00	38.9
10-4510-483.0 SPRINKLER REPAIR	.00	2,491.66	14,250.00	11,758.34	17.5
10-4510-484.0 HOLIDAY LIGHTING	.00	5,496.97	7,000.00	1,503.03	78.5
10-4510-485.0 FIELD PREPARATION	.00	.00	1,800.00	1,800.00	.0
10-4510-486.0 CURB & GUTTER REPAIR	.00	.00	3,000.00	3,000.00	.0
10-4510-512.0 INSURANCE	5,130.00	7,935.34	2,779.00	(5,156.34)	285.6
10-4510-752.0 CITIZEN PARTICIPATION PROJECTS	.00	.00	500.00	500.00	.0
TOTAL PARKS DEPARTMENT EXPENDITURES	58,962.20	650,194.36	1,080,072.00	429,877.64	60.2
<u>PARKS & RECREATION COMMITTEE</u>					
10-4511-310.0 RECORDING SERVICES	.00	128.16	440.00	311.84	29.1
10-4511-480.0 MISC SUPPLIES	.00	.00	100.00	100.00	.0
TOTAL PARKS & RECREATION COMMITTEE	.00	128.16	540.00	411.84	23.7

CENTERVILLE CITY CORPORATION
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GENERAL FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>TRAILS COMMITTEE</u>					
10-4512-310.0 RECORDER SERVICES	43.94	234.35	440.00	205.65	53.3
10-4512-480.0 MISC SUPPLIES	84.00	693.58	3,700.00	3,006.42	18.8
TOTAL TRAILS COMMITTEE	127.94	927.93	4,140.00	3,212.07	22.4
<u>TREE BOARD</u>					
10-4513-310.0 RECORDER SERVICES	54.93	172.10	440.00	267.90	39.1
10-4513-480.0 MISC SUPPLIES	.00	.00	500.00	500.00	.0
TOTAL TREE BOARD	54.93	172.10	940.00	767.90	18.3
<u>COMMUNITY EVENTS</u>					
10-4560-110.0 SALARY AND WAGES	5,604.80	50,548.29	73,368.00	22,819.71	68.9
10-4560-130.0 FRINGE BENEFITS - FICA	428.76	3,824.03	5,613.00	1,788.97	68.1
10-4560-131.0 RETIREMENT	951.12	8,218.77	12,451.00	4,232.23	66.0
10-4560-132.0 MEDICAL INSURANCE	8.00	64.00	25,756.00	25,692.00	.3
10-4560-134.0 LONG TERM DISABILITY	19.06	169.98	325.00	155.02	52.3
10-4560-135.0 FRINGE BENEFITS - WORKERS COMP	115.78	1,032.39	2,436.00	1,403.61	42.4
10-4560-240.0 OFFICE SUPPLIES	.00	.00	600.00	600.00	.0
10-4560-242.0 POSTAGE	.00	.00	50.00	50.00	.0
10-4560-260.0 EQUIP MAINT & SUPPLIES - MISC.	.00	.00	50.00	50.00	.0
10-4560-264.0 IT SERVICES AND LICENSES	.00	1,208.62	195.00	(1,013.62)	619.8
10-4560-280.0 TELEPHONE AND DATA	.00	.00	525.00	525.00	.0
10-4560-310.0 PROFESSIONAL SERVICES	.00	304.29	620.00	315.71	49.1
10-4560-314.0 COMPUTER SERVICES	.00	.00	1,200.00	1,200.00	.0
10-4560-330.0 EDUCATION AND TRAINING	(250.02)	570.42	4,200.00	3,629.58	13.6
10-4560-482.0 CHRISTMAS LIGHTING	.00	2,055.90	1,500.00	(555.90)	137.1
10-4560-621.0 JULY 4TH CELEBRATION	11,605.16	67,850.52	62,020.00	(5,830.52)	109.4
10-4560-645.0 EASTER EGG HUNT	.00	87.00	2,500.00	2,413.00	3.5
10-4560-646.0 CONCERTS IN THE PARK	.00	.00	2,000.00	2,000.00	.0
10-4560-647.0 NEIGHBORHOOD NIGHTS	.00	.00	800.00	800.00	.0
10-4560-750.0 MOVIES IN THE PARK	100.00	1,629.96	4,200.00	2,570.04	38.8
TOTAL COMMUNITY EVENTS	18,582.66	137,564.17	200,409.00	62,844.83	68.6

CENTERVILLE CITY CORPORATION
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GENERAL FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>PARKS & RECREATION FACILITY</u>					
10-4595-271.0 UTILITIES - POWER	538.99	2,441.25	5,000.00	2,558.75	48.8
10-4595-276.0 UTILITIES - GAS	1,082.19	2,746.32	7,000.00	4,253.68	39.2
10-4595-277.0 UTILITIES - SEWER	.00	324.00	250.00	(74.00)	129.6
10-4595-310.0 PROFESSIONAL SERVICES	881.00	5,909.66	4,000.00	(1,909.66)	147.7
10-4595-480.0 MISC SUPPLIES	.00	20.66	250.00	229.34	8.3
10-4595-481.0 JANITORIAL SUPPLIES	.00	68.56	450.00	381.44	15.2
10-4595-482.0 MAINTENANCE & REPAIR	1,815.71	4,127.43	2,500.00	(1,627.43)	165.1
10-4595-514.0 INSURANCE	.00	1,341.23	1,276.00	(65.23)	105.1
TOTAL PARKS & RECREATION FACILITY	4,317.89	16,979.11	20,726.00	3,746.89	81.9
<u>GENERAL GOVT BLDGS - MAINT FAC</u>					
10-4596-271.0 UTILITIES - POWER	993.87	6,149.66	10,200.00	4,050.34	60.3
10-4596-276.0 UTILITIES - GAS	1,967.53	5,080.84	9,900.00	4,819.16	51.3
10-4596-277.0 UTILITIES - SEWER	.00	1,552.64	1,232.00	(320.64)	126.0
10-4596-280.0 TELEPHONE SERVICE & EQUIPMENT	1,056.39	8,508.36	13,000.00	4,491.64	65.5
10-4596-310.0 PROFESSIONAL SERVICES	64.00	2,100.81	1,000.00	(1,100.81)	210.1
10-4596-480.0 MISC SUPPLIES	.00	1,977.70	1,200.00	(777.70)	164.8
10-4596-481.0 JANITORIAL SUPPLIES	.00	759.67	1,800.00	1,040.33	42.2
10-4596-482.0 MAINTENANCE & REPAIR	7,358.97	19,470.68	15,000.00	(4,470.68)	129.8
10-4596-514.0 INSURANCE	.00	2,560.53	2,472.00	(88.53)	103.6
TOTAL GENERAL GOVT BLDGS - MAINT FAC	11,440.76	48,160.89	55,804.00	7,643.11	86.3
<u>GENERAL GOVT BLDGS - CITY HALL</u>					
10-4597-120.0 PART TIME WAGES	4,275.86	37,625.28	68,802.00	31,176.72	54.7
10-4597-130.0 FICA	338.86	2,740.19	5,264.00	2,523.81	52.1
10-4597-131.0 RETIREMENT	636.56	5,206.46	9,791.00	4,584.54	53.2
10-4597-135.0 WORKERS COMPENSATION	92.67	781.21	1,250.00	468.79	62.5
10-4597-230.0 MILEAGE REIMBURSEMENT	.00	.00	50.00	50.00	.0
10-4597-264.0 IT SERVICES AND LICENSES	.00	114.00	100.00	(14.00)	114.0
10-4597-271.0 UTILITIES - POWER	2,309.86	20,044.50	28,000.00	7,955.50	71.6
10-4597-276.0 UTILITIES - GAS	1,672.63	6,541.06	16,000.00	9,458.94	40.9
10-4597-277.0 UTILITIES - SEWER	.00	1,296.00	950.00	(346.00)	136.4
10-4597-280.0 TELEPHONE SERVICE & EQUIPMENT	1,056.39	8,508.36	13,000.00	4,491.64	65.5
10-4597-310.0 PROFESSIONAL SERVICES	657.00	10,100.50	10,000.00	(100.50)	101.0
10-4597-320.0 ELEVATOR CONTRACT	.00	1,315.00	1,700.00	385.00	77.4
10-4597-321.0 MECHANICAL SERVICE	423.46	15,042.08	11,000.00	(4,042.08)	136.8
10-4597-480.0 MISC SUPPLIES	.00	1,920.15	1,600.00	(320.15)	120.0
10-4597-481.0 JANITORIAL SUPPLIES	68.82	1,398.05	4,500.00	3,101.95	31.1
10-4597-482.0 MAINTENANCE & REPAIR	2,327.05	9,382.77	8,000.00	(1,382.77)	117.3
10-4597-514.0 INSURANCE	.00	11,461.42	11,038.00	(423.42)	103.8
TOTAL GENERAL GOVT BLDGS - CITY HALL	13,859.16	133,477.03	191,045.00	57,567.97	69.9

CENTERVILLE CITY CORPORATION
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FOR THE 8 MONTHS ENDING FEBRUARY 28, 2025

GENERAL FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>PUBLIC WORKS STORAGE FACILITY</u>					
10-4598-276.0 UTILITIES - GAS	1,346.09	3,638.71	9,000.00	5,361.29	40.4
10-4598-480.0 MISC SUPPLIES	.00	118.56	150.00	31.44	79.0
10-4598-482.0 MAINTENANCE & REPAIR	.00	1,972.67	5,000.00	3,027.33	39.5
10-4598-514.0 INSURANCE - PROPERTY	.00	1,585.09	1,565.00	(20.09)	101.3
TOTAL PUBLIC WORKS STORAGE FACILITY	1,346.09	7,315.03	15,715.00	8,399.97	46.6
<u>WHITAKER HOME</u>					
10-4599-271.0 UTILITIES - POWER	95.36	754.34	1,800.00	1,045.66	41.9
10-4599-276.0 UTILITIES - GAS	141.47	414.77	900.00	485.23	46.1
10-4599-277.0 UTILITIES - SEWER	.00	324.00	235.00	(89.00)	137.9
10-4599-318.0 CUSTODIAL SUPPLIES	38.58	68.58	700.00	631.42	9.8
10-4599-482.0 BUILDING MAINT & REPAIR	.00	666.19	3,000.00	2,333.81	22.2
10-4599-514.0 INSURANCE - PROPERTY	.00	1,219.30	969.00	(250.30)	125.8
10-4599-750.0 CAPITAL PROJECTS	.00	12,079.57	39,021.00	26,941.43	31.0
TOTAL WHITAKER HOME	275.41	15,526.75	46,625.00	31,098.25	33.3
<u>COMMUNITY DEVELOPMENT</u>					
10-4610-110.0 SALARY & WAGES	21,705.72	180,843.75	272,246.00	91,402.25	66.4
10-4610-111.0 OVERTIME PAY	84.36	136.28	3,000.00	2,863.72	4.5
10-4610-130.0 FICA	1,628.32	12,774.71	21,057.00	8,282.29	60.7
10-4610-131.0 RETIREMENT	3,683.46	28,992.85	46,710.00	17,717.15	62.1
10-4610-132.0 MEDICAL INSURANCE	3,716.79	28,115.32	56,451.00	28,335.68	49.8
10-4610-134.0 LONG TERM DISABILITY	73.78	600.26	1,100.00	499.74	54.6
10-4610-135.0 WORKERS COMPENSATION	140.78	1,034.39	4,200.00	3,165.61	24.6
10-4610-210.0 BOOKS & SUBSCRIPTIONS	.00	.00	200.00	200.00	.0
10-4610-211.0 MEMBERSHIPS	.00	.00	1,000.00	1,000.00	.0
10-4610-220.0 PUBLIC NOTICES	.00	.00	500.00	500.00	.0
10-4610-240.0 OFFICE SUPPLIES	39.34	967.10	1,500.00	532.90	64.5
10-4610-241.0 PRINTING	.00	.00	500.00	500.00	.0
10-4610-242.0 POSTAGE	.00	.00	800.00	800.00	.0
10-4610-246.0 IT SERVICES AND LICENSES	.00	6,556.08	5,400.00	(1,156.08)	121.4
10-4610-260.0 VEHICLE MAINTENANCE	.00	187.29	300.00	112.71	62.4
10-4610-262.0 EQUIP MAINT & SUPPLIES	702.00	1,257.71	1,500.00	242.29	83.9
10-4610-264.0 COMPUTER MAINTENANCE	.00	.00	585.00	585.00	.0
10-4610-280.0 TELEPHONE - AIR TIME	77.67	541.23	1,000.00	458.77	54.1
10-4610-290.0 GASOLINE	.00	.00	200.00	200.00	.0
10-4610-310.0 PROF TECH SERV/RECORDING SEC'Y	.00	14,818.00	.00	(14,818.00)	.0
10-4610-315.0 PROFESSIONAL SERVICES-PLANNING	41.55	206.15	.00	(206.15)	.0
10-4610-330.0 EDUCATION & TRAINING	.00	941.18	7,000.00	6,058.82	13.5
10-4610-512.0 INSURANCE - AUTO LIABILITY	.00	270.00	.00	(270.00)	.0
10-4610-752.0 GENERAL PLAN STUDY	300.00	85,067.12	60,000.00	(25,067.12)	141.8
TOTAL COMMUNITY DEVELOPMENT	32,193.77	363,309.42	485,249.00	121,939.58	74.9

CENTERVILLE CITY CORPORATION
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 8 MONTHS ENDING FEBRUARY 28, 2025

GENERAL FUND

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>PLANNING COMMISSION</u>						
10-4611-305.0	MEMBER ATTENDANCE	105.00	1,505.00	6,500.00	4,995.00	23.2
10-4611-310.0	RECORDER SERVICES	49.50	49.50	1,500.00	1,450.50	3.3
10-4611-330.0	EDUCATION & TRAINING	.00	.00	1,500.00	1,500.00	.0
	TOTAL PLANNING COMMISSION	154.50	1,554.50	9,500.00	7,945.50	16.4
<u>BOARD OF ADJUSTMENT</u>						
10-4612-305.0	MEMBER ATTENDANCE	125.00	125.00	300.00	175.00	41.7
10-4612-310.0	RECORDER SERVICES	.00	.00	150.00	150.00	.0
	TOTAL BOARD OF ADJUSTMENT	125.00	125.00	450.00	325.00	27.8
<u>LANDMARKS COMMISSION</u>						
10-4613-310.0	RECORDER SERVICES	.00	.00	100.00	100.00	.0
	TOTAL LANDMARKS COMMISSION	.00	.00	100.00	100.00	.0
<u>BUILDING INSPECTION</u>						
10-4650-210.0	BOOKS & SUBSCRIPTIONS	.00	.00	1,200.00	1,200.00	.0
10-4650-211.0	MEMBERSHIPS	.00	.00	150.00	150.00	.0
10-4650-260.0	EQUIPMENT MAINTENANCE	.00	54.00	200.00	146.00	27.0
10-4650-264.0	IT SERVICES AND LICENSES	.00	114.00	100.00	(14.00)	114.0
10-4650-316.0	BUILDING INSPECTION SERVICES	.00	24,157.76	70,000.00	45,842.24	34.5
	TOTAL BUILDING INSPECTION	.00	24,325.76	71,650.00	47,324.24	34.0
<u>TRANSFERS TO OTHER FUND</u>						
10-4710-810.0	TRANSFERS TO CAPITAL PROJECTS	8,345.50	66,764.00	100,146.00	33,382.00	66.7
10-4710-952.0	TRANSFER TRANSPORTATION FUND	34,632.74	277,061.92	415,592.00	138,530.08	66.7
10-4710-990.0	CONTINGENCY - PERSONNEL ADJUST	.00	.00	76,000.00	76,000.00	.0
	TOTAL TRANSFERS TO OTHER FUND	42,978.24	343,825.92	591,738.00	247,912.08	58.1
	TOTAL FUND EXPENDITURES	920,298.06	8,049,180.87	12,989,747.00	4,940,566.13	62.0
	NET REVENUE OVER EXPENDITURES	150,462.03	1,475,018.13	.00	(1,475,018.13)	.0

CENTERVILLE CITY CORPORATION
BALANCE SHEET
FEBRUARY 28, 2025

REDEVELOPMENT AGENCY FUND

ASSETS

20-11100000	CASH - COMBINED FUND	2,603,787.11	
20-13170000	ACCOUNTS RECEIVABLE-TAX INCREM	347,950.00	
20-13990000	LEASE RECEIVABLE - CENTERPOINT	1,509,342.01	
	TOTAL ASSETS		4,461,079.12

LIABILITIES AND EQUITY

LIABILITIES

20-24990000	DEFERRED INFLOW - CENTERPOINT	1,468,251.46	
20-25000000	DEFERRED REVENUE-TAX INCRMNT	347,950.28	
	TOTAL LIABILITIES		1,816,201.74

FUND EQUITY

20-28500000	RESTRICTED FUND BALANCE	694,771.07	
	UNAPPROPRIATED FUND BALANCE:		
20-29510000	FUND BALANCE - PREVIOUS YEAR	2,398,826.37	
	REVENUE OVER EXPENDITURES - YTD	(448,720.06)	
	BALANCE - CURRENT DATE	1,950,106.31	
	TOTAL FUND EQUITY		2,644,877.38
	TOTAL LIABILITIES AND EQUITY		4,461,079.12

CENTERVILLE CITY CORPORATION
REVENUES WITH COMPARISON TO BUDGET
FOR THE 8 MONTHS ENDING FEBRUARY 28, 2025

REDEVELOPMENT AGENCY FUND

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEARNED	PCNT
	<u>TAX REVENUE</u>					
20-31-100000	TAX INCREMENT - PARRISH LANE	.00	.00	1,110,000.00	1,110,000.00	.0
20-31-150000	TAX INCREMENT - LEGACY XING	.00	.00	404,000.00	404,000.00	.0
20-31-160000	TAX INCREMENT-BARNARD CREEK	.00	.00	322,000.00	322,000.00	.0
20-31-170000	TAX INCREMENT-PORTER WALTON	.00	.00	10,000.00	10,000.00	.0
	<u>TOTAL TAX REVENUE</u>	<u>.00</u>	<u>.00</u>	<u>1,846,000.00</u>	<u>1,846,000.00</u>	<u>.0</u>
	<u>MISCELLANEOUS REVENUE</u>					
20-36-100000	INTEREST INCOME	6,776.68	53,259.73	10,000.00	(43,259.73)	532.6
	<u>TOTAL MISCELLANEOUS REVENUE</u>	<u>6,776.68</u>	<u>53,259.73</u>	<u>10,000.00</u>	<u>(43,259.73)</u>	<u>532.6</u>
	<u>PAYMENTS - CONTRIBUTIONS</u>					
20-38-750000	DCPA LEASE PAYMENT	20,818.59	96,040.54	110,000.00	13,959.46	87.3
	<u>TOTAL PAYMENTS - CONTRIBUTIONS</u>	<u>20,818.59</u>	<u>96,040.54</u>	<u>110,000.00</u>	<u>13,959.46</u>	<u>87.3</u>
	<u>TOTAL FUND REVENUE</u>	<u>27,595.27</u>	<u>149,300.27</u>	<u>1,966,000.00</u>	<u>1,816,699.73</u>	<u>7.6</u>

CENTERVILLE CITY CORPORATION
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 8 MONTHS ENDING FEBRUARY 28, 2025

REDEVELOPMENT AGENCY FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>EXPENDITURES</u>					
20-4000-210.0 PUBLIC NOTICES	.00	.00	100.00	100.00	.0
20-4000-310.0 PROFESSIONAL SERVICES	1,100.00	48,764.06	56,000.00	7,235.94	87.1
20-4000-315.0 TRF-ELIGIBLE EXPENSES	.00	.00	1,000.00	1,000.00	.0
20-4000-316.0 ENGINEERING	.00	1,719.81	1,000.00	(719.81)	172.0
20-4000-420.0 OTHER OBLIGATIONS	.00	.00	273,581.00	273,581.00	.0
20-4000-430.0 CONTRACTUAL - LEGACY CROSSING	.00	.00	216,000.00	216,000.00	.0
20-4000-440.0 CONTRACTUAL - BARNARD CREEK	.00	.00	48,000.00	48,000.00	.0
20-4000-445.0 CONTRACTUAL - H&S LLC	.00	.00	23,000.00	23,000.00	.0
20-4000-450.0 CONTRACTUAL - YOUNG POWERSPORT	.00	.00	8,700.00	8,700.00	.0
20-4000-480.0 MISC SUPPLIES	500.00	15,895.00	3,000.00	(12,895.00)	529.8
20-4000-511.0 INSURANCE/PROPERTY & LIABILITY	.00	28,468.49	28,731.00	262.51	99.1
20-4000-620.0 ADMINISTRATIVE SERVICES	27,025.00	211,009.32	324,302.00	113,292.68	65.1
TOTAL EXPENDITURES	28,625.00	305,856.68	983,414.00	677,557.32	31.1
<u>TRANSFER TO OTHER FUND</u>					
20-4710-810.0 TRANSFER TO GF-HOMELESS	5,372.02	32,895.26	70,000.00	37,104.74	47.0
20-4710-830.0 TRANSFER - ADDITIONAL INCREM	32,132.17	249,029.64	385,586.00	136,556.36	64.6
TOTAL TRANSFER TO OTHER FUND	37,504.19	281,924.90	455,586.00	173,661.10	61.9
<u>IMPROVEMENT PROJECTS</u>					
20-5000-100.0 TRAFFIC SIGNAL - MARKETPLACE	404.75	5,448.12	487,000.00	481,551.88	1.1
20-5000-150.0 RDA IMPROVEMENTS	.00	4,790.63	40,000.00	35,209.37	12.0
TOTAL IMPROVEMENT PROJECTS	404.75	10,238.75	527,000.00	516,761.25	1.9
TOTAL FUND EXPENDITURES	66,533.94	598,020.33	1,966,000.00	1,367,979.67	30.4
NET REVENUE OVER EXPENDITURES	(38,938.67)	(448,720.06)	.00	448,720.06	.0

CENTERVILLE CITY CORPORATION
BALANCE SHEET
FEBRUARY 28, 2025

RECREATION FUND

<u>ASSETS</u>			
25-11100000	CASH	40,853.06	
	TOTAL ASSETS		40,853.06
<u>LIABILITIES AND EQUITY</u>			
<u>LIABILITIES</u>			
25-21350000	ACCRUED PAYROLL	1,328.79	
25-23170000	CUSTOMER ACCOUNT CREDIT	1,510.00	
	TOTAL LIABILITIES		2,838.79
<u>FUND EQUITY</u>			
UNAPPROPRIATED FUND BALANCE:			
25-29510000	PRIOR UNRESTRICTED FUND BALANC	3,482.47	
	REVENUE OVER EXPENDITURES - YTD	34,531.80	
	BALANCE - CURRENT DATE	38,014.27	
	TOTAL FUND EQUITY		38,014.27
	TOTAL LIABILITIES AND EQUITY		40,853.06

CENTERVILLE CITY CORPORATION
REVENUES WITH COMPARISON TO BUDGET
FOR THE 8 MONTHS ENDING FEBRUARY 28, 2025

RECREATION FUND

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEARNED	PCNT
	<u>CHARGES FOR SERVICES</u>					
25-34-100000	SUMMER RECREATION FEES	.00	755.00	21,000.00	20,245.00	3.6
25-34-300000	OFF SEASON RECREATION FEES	.00	21,710.00	22,000.00	290.00	98.7
25-34-400000	YOUTH BASEBALL/SOFTBALL FEES	8,660.00	44,505.00	46,000.00	1,495.00	96.8
25-34-500000	ADULT PROGRAMS	.00	.00	480.00	480.00	.0
	TOTAL CHARGES FOR SERVICES	8,660.00	66,970.00	89,480.00	22,510.00	74.8
	<u>DONATIONS</u>					
25-38-750000	BASEBALL DONATIONS & FUNDRAISR	7,050.00	9,953.00	8,250.00	(1,703.00)	120.6
	TOTAL DONATIONS	7,050.00	9,953.00	8,250.00	(1,703.00)	120.6
	TOTAL FUND REVENUE	15,710.00	76,923.00	97,730.00	20,807.00	78.7

CENTERVILLE CITY CORPORATION
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 8 MONTHS ENDING FEBRUARY 28, 2025

RECREATION FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>SUMMER RECREATION</u>					
25-4000-120.0 PART TIME WAGES	.00	9,568.52	10,000.00	431.48	95.7
25-4000-130.0 FICA	.00	908.71	765.00	(143.71)	118.8
25-4000-135.0 WORKERS COMPENSATION	.00	265.93	100.00	(165.93)	265.9
25-4000-242.0 POSTAGE	.00	67.25	.00	(67.25)	.0
25-4000-310.0 MEDICAL EXAMS	.00	.00	500.00	500.00	.0
25-4000-314.0 COMPUTER SERVICES	.00	2,458.63	4,950.00	2,491.37	49.7
25-4000-480.0 MISC SUPPLIES	138.93	983.71	12,000.00	11,016.29	8.2
TOTAL SUMMER RECREATION	138.93	14,252.75	28,315.00	14,062.25	50.3
<u>OFF SEASON RECREATION</u>					
25-4200-260.0 EQUIP MAINT & SUPPLIES	4,630.45	4,650.44	.00	(4,650.44)	.0
25-4200-310.0 INSTRUCTORS	.00	.00	11,000.00	11,000.00	.0
25-4200-480.0 MISC. SUPPLIES	9.99	3,094.49	8,500.00	5,405.51	36.4
TOTAL OFF SEASON RECREATION	4,640.44	7,744.93	19,500.00	11,755.07	39.7
<u>YOUTH BASEBALL/SOFTBALL</u>					
25-4300-120.0 PART TIME WAGES	.00	5,188.81	18,000.00	12,811.19	28.8
25-4300-130.0 FICA	.00	397.00	1,377.00	980.00	28.8
25-4300-135.0 WORKERS COMPENSATION	.00	119.12	200.00	80.88	59.6
25-4300-260.0 EQUIP MAINT & SUPPLIES	.00	.00	2,838.00	2,838.00	.0
25-4300-310.0 UMPIRES	.00	575.00	.00	(575.00)	.0
25-4300-311.0 PROFESSIONAL SERVICES	567.45	2,794.05	2,500.00	(294.05)	111.8
25-4300-480.0 MISC. SUPPLIES	.00	8,641.37	25,000.00	16,358.63	34.6
TOTAL YOUTH BASEBALL/SOFTBALL	567.45	17,715.35	49,915.00	32,199.65	35.5
<u>CONCESSIONS</u>					
25-4900-260.0 EQUIP MAINT & SUPPLIES	.00	539.00	.00	(539.00)	.0
25-4900-310.0 PROFESSIONAL SERVICES	.00	1,511.77	.00	(1,511.77)	.0
25-4900-480.0 MISC. SUPPLIES	.00	627.40	.00	(627.40)	.0
TOTAL CONCESSIONS	.00	2,678.17	.00	(2,678.17)	.0
TOTAL FUND EXPENDITURES	5,346.82	42,391.20	97,730.00	55,338.80	43.4
NET REVENUE OVER EXPENDITURES	10,363.18	34,531.80	.00	(34,531.80)	.0

CENTERVILLE CITY CORPORATION
BALANCE SHEET
FEBRUARY 28, 2025

RAP TAX FUND

ASSETS

27-11100000	CASH - COMBINED FUND	595,326.28	
27-13170000	RAP TAX A/R	102,833.75	
	TOTAL ASSETS		698,160.03

LIABILITIES AND EQUITY

FUND EQUITY

	UNAPPROPRIATED FUND BALANCE:		
27-29510000	FUND BALANCE - PREVIOUS YEAR	635,383.42	
	REVENUE OVER EXPENDITURES - YTD	62,776.61	
	BALANCE - CURRENT DATE	698,160.03	
	TOTAL FUND EQUITY		698,160.03
	TOTAL LIABILITIES AND EQUITY		698,160.03

CENTERVILLE CITY CORPORATION
REVENUES WITH COMPARISON TO BUDGET
FOR THE 8 MONTHS ENDING FEBRUARY 28, 2025

RAP TAX FUND

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEARNED	PCNT
	<u>REVENUE</u>					
27-31-350000	RAP TAX	49,937.47	390,860.33	524,525.00	133,664.67	74.5
	TOTAL REVENUE	49,937.47	390,860.33	524,525.00	133,664.67	74.5
	<u>MISCELLANEOUS REVENUE</u>					
27-36-100000	INTEREST INCOME	4,099.12	38,402.99	20,000.00	(18,402.99)	192.0
	TOTAL MISCELLANEOUS REVENUE	4,099.12	38,402.99	20,000.00	(18,402.99)	192.0
	<u>CONTRIBUTIONS & TRANSFERS</u>					
27-39-250000	USE OF FUND BALANCE	.00	.00	157,795.00	157,795.00	.0
	TOTAL CONTRIBUTIONS & TRANSFERS	.00	.00	157,795.00	157,795.00	.0
	TOTAL FUND REVENUE	54,036.59	429,263.32	702,320.00	273,056.68	61.1

CENTERVILLE CITY CORPORATION
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 8 MONTHS ENDING FEBRUARY 28, 2025

RAP TAX FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>TRANSFERS & GRANTS</u>					
27-5000-710.0 MISC PARK PROJECTS	42,446.85	332,231.28	610,847.00	278,615.72	54.4
27-5000-750.0 WHITAKER TRANSFERS - GRANTS	2,496.87	19,543.01	39,021.00	19,477.99	50.1
27-5000-800.0 DCPA PROJECTS-GRANTS	.00	14,712.42	26,226.00	11,513.58	56.1
27-5000-850.0 USE OF CONTINGENCY	.00	.00	26,226.00	26,226.00	.0
TOTAL TRANSFERS & GRANTS	44,943.72	366,486.71	702,320.00	335,833.29	52.2
TOTAL FUND EXPENDITURES	44,943.72	366,486.71	702,320.00	335,833.29	52.2
NET REVENUE OVER EXPENDITURES	9,092.87	62,776.61	.00	(62,776.61)	.0

CENTERVILLE CITY CORPORATION
BALANCE SHEET
FEBRUARY 28, 2025

CEMETERY PERPETUAL CARE

ASSETS

30-11100000	CASH - COMBINED FUND	134,726.12	
30-11900000	ACCOUNTS RECEIVABLE AR	1,200.00	
	TOTAL ASSETS		135,926.12

LIABILITIES AND EQUITY

FUND EQUITY

30-28500000	RESTRICTED FUND BALANCE	37,700.00	
	UNAPPROPRIATED FUND BALANCE:		
30-29510000	FUND BALANCE - PREVIOUS YEAR	81,719.89	
	REVENUE OVER EXPENDITURES - YTD	16,506.23	
	BALANCE - CURRENT DATE	98,226.12	
	TOTAL FUND EQUITY		135,926.12
	TOTAL LIABILITIES AND EQUITY		135,926.12

CENTERVILLE CITY CORPORATION
REVENUES WITH COMPARISON TO BUDGET
FOR THE 8 MONTHS ENDING FEBRUARY 28, 2025

CEMETERY PERPETUAL CARE

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEARNED	PCNT
	<u>CHARGES FOR SERVICES</u>					
30-34-820000	PERPETUAL CARE FEE	1,400.00	11,200.00	30,000.00	18,800.00	37.3
30-34-821000	MONUMENT PERMIT FEES	600.00	3,800.00	3,000.00	(800.00)	126.7
	TOTAL CHARGES FOR SERVICES	2,000.00	15,000.00	33,000.00	18,000.00	45.5
	<u>MISCELLANEOUS REVENUE</u>					
30-36-100000	INTEREST INCOME	159.85	1,506.23	1,100.00	(406.23)	136.9
	TOTAL MISCELLANEOUS REVENUE	159.85	1,506.23	1,100.00	(406.23)	136.9
	TOTAL FUND REVENUE	2,159.85	16,506.23	34,100.00	17,593.77	48.4

CENTERVILLE CITY CORPORATION
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 8 MONTHS ENDING FEBRUARY 28, 2025

CEMETERY PERPETUAL CARE

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>TRANSFERS TO OTHER FUNDS</u>					
30-4710-810.1 TRANSFER TO GENERAL FUND	.00	.00	27,280.00	27,280.00	.0
30-4710-980.0 CONTRIBUTION FUND BALANCE	.00	.00	6,820.00	6,820.00	.0
TOTAL TRANSFERS TO OTHER FUNDS	.00	.00	34,100.00	34,100.00	.0
TOTAL FUND EXPENDITURES	.00	.00	34,100.00	34,100.00	.0
NET REVENUE OVER EXPENDITURES	2,159.85	16,506.23	.00	(16,506.23)	.0

CENTERVILLE CITY CORPORATION
BALANCE SHEET
FEBRUARY 28, 2025

PARK FUND

ASSETS

45-11100000	CASH - COMBINED FUND	252,129.90	
	TOTAL ASSETS		252,129.90

LIABILITIES AND EQUITY

FUND EQUITY

UNAPPROPRIATED FUND BALANCE:			
45-29510000	FUND BALANCE - PREVIOUS YEAR	548,997.24	
	REVENUE OVER EXPENDITURES - YTD	(296,867.34)	
	BALANCE - CURRENT DATE	252,129.90	
	TOTAL FUND EQUITY		252,129.90
	TOTAL LIABILITIES AND EQUITY		252,129.90

CENTERVILLE CITY CORPORATION
REVENUES WITH COMPARISON TO BUDGET
FOR THE 8 MONTHS ENDING FEBRUARY 28, 2025

PARK FUND

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEARNED	PCNT
	<u>INTERGOVERNMENTAL REVENUE</u>					
45-33-700000	GRANT REVENUE	.00	.00	400,000.00	400,000.00	.0
	TOTAL INTERGOVERNMENTAL REVENUE	.00	.00	400,000.00	400,000.00	.0
	<u>CHARGES FOR SERVICES</u>					
45-34-700000	PARK IMPACT FEES	2,869.00	28,690.00	40,000.00	11,310.00	71.7
45-34-920000	TRANSFER IN - RAP	42,446.85	332,231.28	610,847.00	278,615.72	54.4
	TOTAL CHARGES FOR SERVICES	45,315.85	360,921.28	650,847.00	289,925.72	55.5
	<u>MISCELLANEOUS REVENUE</u>					
45-36-100000	INTEREST INCOME	2,382.57	23,477.92	50,000.00	26,522.08	47.0
	TOTAL MISCELLANEOUS REVENUE	2,382.57	23,477.92	50,000.00	26,522.08	47.0
	<u>NON-OPERATING REVENUE</u>					
45-38-450000	MISC CONTRIBUTIONS	2,135.44	5,135.44	2,136.00	(2,999.44)	240.4
	TOTAL NON-OPERATING REVENUE	2,135.44	5,135.44	2,136.00	(2,999.44)	240.4
	<u>CONTRIBUTIONS & TRANSFERS</u>					
45-39-250000	USE OF FUND BALANCE	.00	.00	585,486.00	585,486.00	.0
	TOTAL CONTRIBUTIONS & TRANSFERS	.00	.00	585,486.00	585,486.00	.0
	TOTAL FUND REVENUE	49,833.86	389,534.64	1,688,469.00	1,298,934.36	23.1

CENTERVILLE CITY CORPORATION
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 8 MONTHS ENDING FEBRUARY 28, 2025

PARK FUND

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	<u>EXPENDITURES</u>					
45-4000-766.0	PARKS IMPACT FEE STUDY	.00	.00	20,000.00	20,000.00	.0
	TOTAL EXPENDITURES	.00	.00	20,000.00	20,000.00	.0
	<u>OTHER PARK EXPENDITURES</u>					
45-4810-100.0	CAPITAL PROJECTS	.00	116,677.36	390,000.00	273,322.64	29.9
45-4810-120.0	FOUNDERS PARK IMPROVEMENTS	.00	.00	50,000.00	50,000.00	.0
	TOTAL OTHER PARK EXPENDITURES	.00	116,677.36	440,000.00	323,322.64	26.5
	<u>PARK PROJECTS</u>					
45-4860-181.0	ISLAND VIEW PRINCIPAL	.00	.00	405,000.00	405,000.00	.0
45-4860-182.0	ISLAND VIEW INTEREST	.00	10,666.40	21,333.00	10,666.60	50.0
45-4860-250.0	COMMUNITY PARK PICKLEBALL COUR	456,430.13	527,784.08	802,136.00	274,351.92	65.8
45-4860-251.0	COMMUNITY PARK PARKING LOT EXP	5,312.50	31,274.14	.00	(31,274.14)	.0
	TOTAL PARK PROJECTS	461,742.63	569,724.62	1,228,469.00	658,744.38	46.4
	TOTAL FUND EXPENDITURES	461,742.63	686,401.98	1,688,469.00	1,002,067.02	40.7
	NET REVENUE OVER EXPENDITURES	(411,908.77)	(296,867.34)	.00	296,867.34	.0

CENTERVILLE CITY CORPORATION
BALANCE SHEET
FEBRUARY 28, 2025

CAPITAL PROJECTS FUND

ASSETS

47-11100000	CASH - COMBINED FUND	5,881,475.80	
	TOTAL ASSETS		5,881,475.80

LIABILITIES AND EQUITY

FUND EQUITY

UNAPPROPRIATED FUND BALANCE:			
47-29510000	FUND BALANCE PREVIOUS YEAR	6,381,379.37	
	REVENUE OVER EXPENDITURES - YTD	(501,902.02)	
	BALANCE - CURRENT DATE	5,879,477.35	
	TOTAL FUND EQUITY		5,879,477.35
	TOTAL LIABILITIES AND EQUITY		5,879,477.35

CENTERVILLE CITY CORPORATION
REVENUES WITH COMPARISON TO BUDGET
FOR THE 8 MONTHS ENDING FEBRUARY 28, 2025

CAPITAL PROJECTS FUND

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEARNED	PCNT
	<u>CHARGES FOR SERVICES</u>					
47-34-100000	TRANSFER FROM GENERAL FUND	8,345.50	66,764.00	100,146.00	33,382.00	66.7
	TOTAL CHARGES FOR SERVICES	8,345.50	66,764.00	100,146.00	33,382.00	66.7
	<u>MISCELLANEOUS REVENUE</u>					
47-36-100000	BANKING-INVEST/INTEREST INCOME	17,483.41	148,197.31	80,000.00	(68,197.31)	185.3
	TOTAL MISCELLANEOUS REVENUE	17,483.41	148,197.31	80,000.00	(68,197.31)	185.3
	<u>CONTRIBUTIONS & TRANSFERS</u>					
47-39-250000	USE OF FUND BALANCE	.00	.00	807,527.00	807,527.00	.0
	TOTAL CONTRIBUTIONS & TRANSFERS	.00	.00	807,527.00	807,527.00	.0
	TOTAL FUND REVENUE	25,828.91	214,961.31	987,673.00	772,711.69	21.8

CENTERVILLE CITY CORPORATION
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 8 MONTHS ENDING FEBRUARY 28, 2025

CAPITAL PROJECTS FUND

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	<u>CAPITAL - ADMINISTRATIVE</u>					
47-4130-740.0	CAPITAL EQUIPMENT	.00	64,014.20	65,000.00	985.80	98.5
	TOTAL CAPITAL - ADMINISTRATIVE	.00	64,014.20	65,000.00	985.80	98.5
	<u>CAPITAL - POLICE</u>					
47-4210-740.0	CAPITAL EQUIPMENT	18,551.45	162,078.49	373,050.00	210,971.51	43.5
	TOTAL CAPITAL - POLICE	18,551.45	162,078.49	373,050.00	210,971.51	43.5
	<u>CAPITAL - STREETS</u>					
47-4410-740.0	CAPITAL EQUIPMENT	.00	232,381.70	244,500.00	12,118.30	95.0
	TOTAL CAPITAL - STREETS	.00	232,381.70	244,500.00	12,118.30	95.0
	<u>CAPITAL - PARKS</u>					
47-4510-740.0	CAPITAL EQUIPMENT	108,850.27	210,789.27	219,323.00	8,533.73	96.1
	TOTAL CAPITAL - PARKS	108,850.27	210,789.27	219,323.00	8,533.73	96.1
	<u>CAPITAL - PARKS & REC FACILITY</u>					
47-4595-740.0	CAPITAL EQUIPMENT	.00	14,480.00	20,000.00	5,520.00	72.4
	TOTAL CAPITAL - PARKS & REC FACILITY	.00	14,480.00	20,000.00	5,520.00	72.4
	<u>CAPITAL - PUBLIC WORKS FACILIT</u>					
47-4596-740.0	CAPITAL EQUIPMENT	.00	18,142.67	25,000.00	6,857.33	72.6
	TOTAL CAPITAL - PUBLIC WORKS FACILIT	.00	18,142.67	25,000.00	6,857.33	72.6
	<u>CAPITAL - CITY HALL</u>					
47-4597-740.0	CAPITAL EQUIPMENT	2,700.00	14,118.92	15,000.00	881.08	94.1
47-4597-750.0	CAPITAL PROJECTS	.00	.00	15,000.00	15,000.00	.0
	TOTAL CAPITAL - CITY HALL	2,700.00	14,118.92	30,000.00	15,881.08	47.1

CENTERVILLE CITY CORPORATION
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 8 MONTHS ENDING FEBRUARY 28, 2025

CAPITAL PROJECTS FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>CAPITAL - PUBLIC WORKS STORAGE</u>					
47-4598-750.0 CAPITAL PROJECTS	.00	858.08	10,800.00	9,941.92	8.0
TOTAL CAPITAL - PUBLIC WORKS STORAGE	.00	858.08	10,800.00	9,941.92	8.0
TOTAL FUND EXPENDITURES	130,101.72	716,863.33	987,673.00	270,809.67	72.6
NET REVENUE OVER EXPENDITURES	(104,272.81)	(501,902.02)	.00	501,902.02	.0

CENTERVILLE CITY CORPORATION
BALANCE SHEET
FEBRUARY 28, 2025

TRANSPORTATION FUND

ASSETS

48-11100000	CASH - COMBINED FUND	999,683.00	
48-13170000	TAX RECEIVABLE	222,378.90	
	TOTAL ASSETS		1,222,061.90

LIABILITIES AND EQUITY

FUND EQUITY

	UNAPPROPRIATED FUND BALANCE:		
48-29510000	FUND BALANCE - PREVIOUS YEAR	1,473,557.00	
	REVENUE OVER EXPENDITURES - YTD	(251,495.10)	
	BALANCE - CURRENT DATE	1,222,061.90	
	TOTAL FUND EQUITY		1,222,061.90
	TOTAL LIABILITIES AND EQUITY		1,222,061.90

CENTERVILLE CITY CORPORATION
REVENUES WITH COMPARISON TO BUDGET
FOR THE 8 MONTHS ENDING FEBRUARY 28, 2025

TRANSPORTATION FUND

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEARNED	PCNT
	<u>TAXES</u>					
48-31-300000	SALES TAX	45,654.39	346,743.53	500,000.00	153,256.47	69.4
	TOTAL TAXES	45,654.39	346,743.53	500,000.00	153,256.47	69.4
	<u>STATE REVENUE</u>					
48-33-430000	CLASS C ROADS	.00	555,866.65	725,000.00	169,133.35	76.7
48-33-450000	GRANTS	.00	.00	75,000.00	75,000.00	.0
	TOTAL STATE REVENUE	.00	555,866.65	800,000.00	244,133.35	69.5
	<u>TRANSFERS</u>					
48-34-800000	TRANSFER- GENERAL FUND	34,632.74	277,061.92	415,592.00	138,530.08	66.7
	TOTAL TRANSFERS	34,632.74	277,061.92	415,592.00	138,530.08	66.7
	<u>MISC. REVENUE</u>					
48-36-100000	INTEREST	3,419.03	30,126.70	35,000.00	4,873.30	86.1
	TOTAL MISC. REVENUE	3,419.03	30,126.70	35,000.00	4,873.30	86.1
	<u>SOURCE 39</u>					
48-39-250000	USE OF FUND BALANCE	.00	.00	149,508.00	149,508.00	.0
	TOTAL SOURCE 39	.00	.00	149,508.00	149,508.00	.0
	TOTAL FUND REVENUE	83,706.16	1,209,798.80	1,900,100.00	690,301.20	63.7

CENTERVILLE CITY CORPORATION
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 8 MONTHS ENDING FEBRUARY 28, 2025

TRANSPORTATION FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>CAPITAL PROJECTS</u>					
48-4000-310.0	PROFESSIONAL SERVICES	1,000.00	8,000.00	12,000.00	4,000.00 66.7
48-4000-316.0	ENGINEERING - GENERAL	4,630.00	55,108.13	36,000.00 (19,108.13)	153.1
48-4000-710.0	CAPITAL PROJECTS	.00	25,659.50	43,100.00	17,440.50 59.5
48-4000-756.1	400 E STREET REBUILD - ENGINEE	30,328.00	56,200.75	.00 (56,200.75)	.0
48-4000-800.0	NOLA DRIVE 1350 N TO 1680 N	.00	12,271.10	.00 (12,271.10)	.0
48-4000-830.0	PEACH TREE DR STREET REBUILD	.00	64,413.62	.00 (64,413.62)	.0
48-4000-831.0	BRIARWOOD DR STREET REBUILD	.00	455,772.67	475,000.00	19,227.33 96.0
48-4000-833.0	PARRISH LN/LEGACY TRAIL	.00	24,344.41	.00 (24,344.41)	.0
48-4000-834.1	1250 N STREET REBUILD-ENGINEER	.00	54,215.10	70,000.00	15,784.90 77.5
48-4000-834.2	1250 N STREET REBUILD-CONSTRUC	.00	339,944.20	489,000.00	149,055.80 69.5
TOTAL CAPITAL PROJECTS		35,958.00	1,095,929.48	1,125,100.00	29,170.52 97.4
<u>ANNUAL PROJECTS</u>					
48-5000-760.0	STREET OVERLAY PROJECTS	14,253.50	84,308.51	350,000.00	265,691.49 24.1
48-5000-770.0	STREET CRACK SEAL PROJECTS	.00	36,910.75	75,000.00	38,089.25 49.2
48-5000-780.0	STREET SLURRY SEAL PROJECTS	.00	212,293.06	225,000.00	12,706.94 94.4
48-5000-800.0	ANNUAL SIDEWALK PROJECTS	5,943.80	31,852.10	125,000.00	93,147.90 25.5
TOTAL ANNUAL PROJECTS		20,197.30	365,364.42	775,000.00	409,635.58 47.1
TOTAL FUND EXPENDITURES		56,155.30	1,461,293.90	1,900,100.00	438,806.10 76.9
NET REVENUE OVER EXPENDITURES		27,550.86	(251,495.10)	.00	251,495.10 .0

CENTERVILLE CITY CORPORATION
BALANCE SHEET
FEBRUARY 28, 2025

UTOPIA PROJECT FUND

ASSETS

49-11100000	CASH - COMBINED FUND	26.81	
	TOTAL ASSETS		26.81

LIABILITIES AND EQUITY

FUND EQUITY

UNAPPROPRIATED FUND BALANCE:			
49-29510000	FUND BALANCE - PREVIOUS YEAR	112,612.61	
	REVENUE OVER EXPENDITURES - YTD	(112,585.80)	
	BALANCE - CURRENT DATE	26.81	
	TOTAL FUND EQUITY		26.81
	TOTAL LIABILITIES AND EQUITY		26.81

CENTERVILLE CITY CORPORATION
REVENUES WITH COMPARISON TO BUDGET
FOR THE 8 MONTHS ENDING FEBRUARY 28, 2025

UTOPIA PROJECT FUND

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEARNED	PCNT
	<u>INTERGOVERNMENTAL REVENUE</u>					
49-33-110000	UTOPIA REBATE	.00	.00	156,838.00	156,838.00	.0
	TOTAL INTERGOVERNMENTAL REVENUE	.00	.00	156,838.00	156,838.00	.0
	<u>TRANSFERS</u>					
49-34-850000	TRANSFER IN - TAX INCREMENT	32,132.17	249,029.64	385,586.00	136,556.36	64.6
	TOTAL TRANSFERS	32,132.17	249,029.64	385,586.00	136,556.36	64.6
	TOTAL FUND REVENUE	32,132.17	249,029.64	542,424.00	293,394.36	45.9

CENTERVILLE CITY CORPORATION
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 8 MONTHS ENDING FEBRUARY 28, 2025

UTOPIA PROJECT FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>EXPENDITURES</u>					
49-4000-800.0 PLEDGE PAYMENTS	45,201.93	361,615.44	542,424.00	180,808.56	66.7
TOTAL EXPENDITURES	45,201.93	361,615.44	542,424.00	180,808.56	66.7
TOTAL FUND EXPENDITURES	45,201.93	361,615.44	542,424.00	180,808.56	66.7
NET REVENUE OVER EXPENDITURES	(13,069.76)	(112,585.80)	.00	112,585.80	.0

CENTERVILLE CITY CORPORATION
BALANCE SHEET
FEBRUARY 28, 2025

WATER FUND

ASSETS

51-11100000	CASH - COMBINED FUND	673,615.97	
51-11820000	INVESTMENT IN WATER STOCK	48,616.66	
51-13100000	ACCOUNTS RECIEVABLE - UNBILLED	60,048.00	
51-13110000	ACCOUNTS RECEIVABLE	509,288.72	
51-13120000	ALLOWANCE FOR BAD DEBT	(11,360.00)	
51-15460000	DEFERRED OUTFLOWS-PENSIONS	97,081.00	
51-15500000	WATER INVENTORY	186,967.52	
51-15610000	PREPAID WATER	124,291.66	
51-16300000	WORK IN PROGRESS	1,427,037.95	
51-16310000	RESERVOIRS	984,856.84	
51-16320000	ALLOWANCE DEPREC./RESERVIOIRS	(852,565.22)	
51-16330000	WATER DISTRIBUTION SYSTEMS	4,316,538.03	
51-16340000	ALLOWANCE DEPREC./WATERLINES	(4,831,447.80)	
51-16350000	BUILDINGS & WELLS	3,501,966.49	
51-16360000	ALLOW. DEPREC./LAND/BLDGS/WELL	(1,478,248.11)	
51-16390000	WATERLINE SYSTEMS	17,986,274.34	
51-16400000	ALLOWANCE DEPREC./WTRLN SYSTM	(2,326,496.93)	
51-16510000	MACHINERY	917,926.50	
51-16520000	ALLOWANCE DEPREC./MACHINERY	(663,267.92)	
51-16530000	LAND	486,120.27	
TOTAL ASSETS			21,157,243.97

LIABILITIES AND EQUITY

LIABILITIES

51-21330000	BOND PAYABLE	674,000.00	
51-21340000	BOND PAYABLE-BWR 2003	85,000.00	
51-21341000	ACCRUED INTEREST	8,957.42	
51-21350000	ACCRUED PAYROLL	9,769.07	
51-21352000	ACCRUED ABSENCES - ST	35,745.00	
51-23400000	DEFERRED INFLOWS-PENSIONS	386.00	
51-25410000	UNAMORTIZED BOND PREMIUM	74,119.26	
51-25420000	DEFERRED LOSS FROM BOND DEF	(8,027.86)	
51-25450000	NET PENSION LIABILITY	59,544.00	
TOTAL LIABILITIES			939,492.89

FUND EQUITY

UNAPPROPRIATED FUND BALANCE:			
51-29510000	PRIOR UNRESTRICTED/BALANCE	20,061,784.69	
	REVENUE OVER EXPENDITURES - YTD	155,966.39	
BALANCE - CURRENT DATE			20,217,751.08
TOTAL FUND EQUITY			20,217,751.08
TOTAL LIABILITIES AND EQUITY			21,157,243.97

CENTERVILLE CITY CORPORATION
REVENUES WITH COMPARISON TO BUDGET
FOR THE 8 MONTHS ENDING FEBRUARY 28, 2025

WATER FUND

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEARNED	PCNT
	<u>INTERGOVERNMENTAL REVENUE</u>					
51-33-202000	FEDERAL GRANTS	.00	.00	1,500,000.00	1,500,000.00	.0
	TOTAL INTERGOVERNMENTAL REVENUE	.00	.00	1,500,000.00	1,500,000.00	.0
	<u>CHARGES FOR SERVICES</u>					
51-34-400000	WATER IMPACT FEE	1,013.00	34,442.00	60,000.00	25,558.00	57.4
51-34-450000	WTRLN CONST.FEES/NEW SUBS(CON)	1,892.42	16,892.42	75,000.00	58,107.58	22.5
	TOTAL CHARGES FOR SERVICES	2,905.42	51,334.42	135,000.00	83,665.58	38.0
	<u>MISCELLANEOUS REVENUE</u>					
51-36-100000	BANKING & INT./INTEREST INCOME	2,279.36	29,485.56	30,000.00	514.44	98.3
51-36-200000	MISCELLANEOUS	1,060.65	3,295.87	.00	(3,295.87)	.0
	TOTAL MISCELLANEOUS REVENUE	3,340.01	32,781.43	30,000.00	(2,781.43)	109.3
	<u>OPERATING REVENUE</u>					
51-37-110000	WATER SALES	308,590.01	2,616,236.74	3,931,200.00	1,314,963.26	66.6
51-37-130000	WATER YOKES AND METERS	435.00	9,930.00	10,000.00	70.00	99.3
51-37-160000	HYDRANT WATER SALES	1,000.00	3,895.00	3,500.00	(395.00)	111.3
51-37-200000	DELINQUENT PENALTY	1,951.64	27,070.33	12,000.00	(15,070.33)	225.6
51-37-300000	GAIN ON SALE OF FIXED ASSET	.00	73,400.00	65,000.00	(8,400.00)	112.9
	TOTAL OPERATING REVENUE	311,976.65	2,730,532.07	4,021,700.00	1,291,167.93	67.9
	TOTAL FUND REVENUE	318,222.08	2,814,647.92	5,686,700.00	2,872,052.08	49.5

CENTERVILLE CITY CORPORATION
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 8 MONTHS ENDING FEBRUARY 28, 2025

WATER FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>EXPENDITURES</u>					
51-4000-110.0 SALARY AND WAGES	25,795.43	229,077.37	341,443.00	112,365.63	67.1
51-4000-111.0 OVERTIME PAY	67.71	6,832.98	5,000.00	(1,832.98)	136.7
51-4000-120.0 TEMPORARY & PART-TIME WAGES	149.70	6,823.47	20,000.00	13,176.53	34.1
51-4000-130.0 FICA	1,929.05	17,907.04	28,033.00	10,125.96	63.9
51-4000-131.0 RETIREMENT	4,387.62	39,076.30	58,792.00	19,715.70	66.5
51-4000-132.0 MEDICAL INSURANCE	8,233.04	62,638.84	112,901.00	50,262.16	55.5
51-4000-134.0 LONG TERM DISABILITY	87.93	783.02	1,400.00	616.98	55.9
51-4000-135.0 WORKERS COMPENSATION	624.96	5,796.84	8,100.00	2,303.16	71.6
51-4000-200.0 UNIFORM PURCHASE	.00	2,646.24	2,850.00	203.76	92.9
51-4000-205.0 BANK PROCESSING CHARGES-XPRESS	3,867.73	22,962.36	27,000.00	4,037.64	85.1
51-4000-210.0 BOOKS & SUBSCRIPTIONS	.00	.00	300.00	300.00	.0
51-4000-211.0 MEMBERSHIPS	250.00	250.00	2,800.00	2,550.00	8.9
51-4000-220.0 PUBLIC NOTICES	.00	189.75	500.00	310.25	38.0
51-4000-240.0 OFFICE SUPPLIES	211.25	453.02	1,000.00	546.98	45.3
51-4000-241.0 PRINTING	1,646.72	12,542.21	9,500.00	(3,042.21)	132.0
51-4000-242.0 POSTAGE	77.28	727.53	11,500.00	10,772.47	6.3
51-4000-250.0 VEHICLE MAINT & SUPPLIES	13.55	8,117.22	16,000.00	7,882.78	50.7
51-4000-260.0 EQUIP MAINT & SUPPLIES	.00	1,391.83	2,100.00	708.17	66.3
51-4000-261.0 EQUIPMENT MAINTENANCE - RADIO	.00	.00	500.00	500.00	.0
51-4000-263.0 EQUIPMENT MAINTENANCE - OFFICE	.00	411.87	500.00	88.13	82.4
51-4000-264.0 IT SERVICES AND LICENSES	.00	664.62	595.00	(69.62)	111.7
51-4000-265.0 FIRE EXTINGUISHER SUPPLIES	.00	.00	400.00	400.00	.0
51-4000-266.0 METER READING MAINTENANCE	.00	.00	2,300.00	2,300.00	.0
51-4000-275.0 UTILITIES - PUMPS AND WELLS	6,733.87	40,859.65	66,000.00	25,140.35	61.9
51-4000-280.0 TELEPHONE AND DATA	105.00	2,251.21	3,000.00	748.79	75.0
51-4000-286.0 TELEMETERING	9,855.40	20,375.20	17,000.00	(3,375.20)	119.9
51-4000-290.0 GASOLINE & DIESEL SERVICES	.00	10,632.62	22,000.00	11,367.38	48.3
51-4000-310.0 PROFESSIONAL SERVICES	1,049.00	9,991.20	46,000.00	36,008.80	21.7
51-4000-314.0 COMPUTER SUPPORT	644.50	5,156.00	7,734.00	2,578.00	66.7
51-4000-316.0 ENGINEER	9,108.00	27,284.05	6,000.00	(21,284.05)	454.7
51-4000-330.0 EDUCATION AND TRAINING	2,013.00	4,253.00	9,500.00	5,247.00	44.8
51-4000-340.0 CERTIFICATIONS - EXAMS	.00	296.00	1,500.00	1,204.00	19.7
51-4000-478.0 COMMERCIAL WATER METERS	6,700.57	6,700.57	7,500.00	799.43	89.3
51-4000-479.0 HAULING CONSTRUCTION MATERIAL	.00	.00	1,500.00	1,500.00	.0
51-4000-480.0 MISC SUPPLIES	2,211.77	24,927.83	40,000.00	15,072.17	62.3
51-4000-481.0 METER REPAIRS	.00	.00	10,500.00	10,500.00	.0
51-4000-484.0 WATER MAINS SUPPLIES	40.00	27,781.69	40,000.00	12,218.31	69.5
51-4000-485.0 BLUE STAKES	173.84	1,228.15	6,700.00	5,471.85	18.3
51-4000-486.0 ASPHALT	.00	4,975.82	12,000.00	7,024.18	41.5
51-4000-487.0 ROADBASE	.00	3,254.86	3,000.00	(254.86)	108.5
51-4000-488.0 SAND	.00	1,717.58	1,000.00	(717.58)	171.8
51-4000-489.0 CHLORINE	.00	11,001.05	16,000.00	4,998.95	68.8
51-4000-490.0 WEBER BASIN PURCHASES	12,429.17	91,972.10	149,150.00	57,177.90	61.7
51-4000-492.0 FLOURIDATION	155.25	8,721.63	35,000.00	26,278.37	24.9
51-4000-493.0 NEW METERS	9,588.68	9,588.68	40,000.00	30,411.32	24.0
51-4000-495.0 WATER RIGHTS	.00	.00	2,000.00	2,000.00	.0
51-4000-496.0 BACKFLOW PROGRAM	.00	1,495.00	1,500.00	5.00	99.7
51-4000-510.0 WATERLINE MAINTENANCE & REPAIR	47,353.00	132,763.34	170,000.00	37,236.66	78.1
51-4000-511.0 INSURANCE - LIABILITY	.00	8,117.16	17,922.00	9,804.84	45.3
51-4000-512.0 INSURANCE - AUTO LIAB.	270.00	2,589.52	490.00	(2,099.52)	528.5
51-4000-513.0 INSURANCE - WELLS & PUMPS	.00	2,926.32	2,743.00	(183.32)	106.7
51-4000-621.0 WATER TESTING	3,090.00	23,728.99	21,000.00	(2,728.99)	113.0

CENTERVILLE CITY CORPORATION
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 8 MONTHS ENDING FEBRUARY 28, 2025

WATER FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
51-4000-630.0 UNCOLLECTABLE ACCOUNTS	.00	(20.73)	1,000.00	1,020.73	(2.1)
51-4000-640.0 GENERAL FUND ADMIN. SERVICE	104,451.00	823,332.00	1,253,412.00	430,080.00	65.7
51-4000-850.0 UWFA - BOND PAYMENT	12,002.06	111,253.08	111,540.00	286.92	99.7
51-4000-910.0 DEPRECIATION EXPENSE	48,136.56	359,212.92	500,000.00	140,787.08	71.8
TOTAL EXPENDITURES	323,452.64	2,197,659.00	3,276,205.00	1,078,546.00	67.1
CAPITAL EQUIPMENT/PROJECTS					
51-5154-740.0 CAPITAL EQUIPMENT	16,543.45	108,992.45	150,000.00	41,007.55	72.7
51-5154-750.0 CAPITAL PROJECTS	.00	.00	2,760,495.00	2,760,495.00	.0
TOTAL CAPITAL EQUIPMENT/PROJECTS	16,543.45	108,992.45	2,910,495.00	2,801,502.55	3.7
WATER PROJECTS					
51-5520-773.0 NOLA DRIVE CULINARY WATERLINE	.00	6,650.00	.00	(6,650.00)	.0
51-5520-776.0 OAKRIDGE DRIVE TANK	2,925.00	53,417.50	.00	(53,417.50)	.0
51-5520-778.0 CENTERVILLE CANYON WELL REPLAC	900.00	4,200.00	.00	(4,200.00)	.0
51-5520-782.0 400 W WATERLINE REPLACEMENT	.00	4,531.48	.00	(4,531.48)	.0
51-5520-784.0 PEACH TREE DR WATERLINE REPLAC	.00	2,848.39	.00	(2,848.39)	.0
51-5520-785.0 BRIARWOOD DR WATERLINE REPLACE	.00	3,792.21	.00	(3,792.21)	.0
51-5520-787.0 400 W WATERLINE TIE-IN	.00	23,770.00	.00	(23,770.00)	.0
51-5520-788.1 1250 N - WATERLINE-ENGINEERING	.00	16,719.07	.00	(16,719.07)	.0
51-5520-788.2 1250 N - WATERLINE-CONSTRUCTIO	.00	227,933.87	.00	(227,933.87)	.0
51-5520-788.3 1250 N - WATERLINE - MATERIAL	.00	6,732.35	.00	(6,732.35)	.0
51-5520-789.1 340 E - WATERLINE -ENGINEERING	1,637.50	1,637.50	.00	(1,637.50)	.0
TOTAL WATER PROJECTS	5,462.50	352,232.37	.00	(352,232.37)	.0
DEVELOPMENT WATERLINE PROJECTS					
51-5600-805.0 CENTERVILLE FLEX SUBD. - WTRLN	.00	(16,585.64)	.00	16,585.64	.0
51-5600-808.0 M LAYTON WATER LATERAL	.00	6,260.93	.00	(6,260.93)	.0
51-5600-811.0 BECKSTEAD HOME WATER LATERAL	.00	10,122.42	.00	(10,122.42)	.0
TOTAL DEVELOPMENT WATERLINE PROJECTS	.00	(202.29)	.00	202.29	.0
TOTAL FUND EXPENDITURES	345,458.59	2,658,681.53	6,186,700.00	3,528,018.47	43.0
NET REVENUE OVER EXPENDITURES	(27,236.51)	155,966.39	(500,000.00)	(655,966.39)	31.2

CENTERVILLE CITY CORPORATION

BALANCE SHEET

FEBRUARY 28, 2025

SANITATION FUND

ASSETS

52-11100000	CASH - COMBINED FUND	207,927.56	
52-13120000	ALLOWANCE FOR UNCOLLECTIBLE AC	(3,679.00)	
52-13140000	ACCOUNTS RECEIVABLE - GARBAGE	90,234.79	
52-13150000	ACCOUNTS RECEIVABLE - RECYCLE	22,640.81	
52-13160000	ACCOUNTS RECEIVABLE GREEN WAST	17,262.09	
	TOTAL ASSETS		334,386.25

LIABILITIES AND EQUITYFUND EQUITY

	UNAPPROPRIATED FUND BALANCE:		
52-29510000	FUND BALANCE - PREVIOUS YEAR	189,895.11	
	REVENUE OVER EXPENDITURES - YTD	144,491.14	
	BALANCE - CURRENT DATE	334,386.25	
	TOTAL FUND EQUITY		334,386.25
	TOTAL LIABILITIES AND EQUITY		334,386.25

CENTERVILLE CITY CORPORATION
REVENUES WITH COMPARISON TO BUDGET
FOR THE 8 MONTHS ENDING FEBRUARY 28, 2025

SANITATION FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEARNED	PCNT
<u>MISCELLANEOUS REVENUE</u>					
52-36-100000 INTEREST INCOME	516.81	3,725.41	3,000.00	(725.41)	124.2
52-36-200000 FALL CLEANUP REVENUE	.00	720.00	400.00	(320.00)	180.0
52-36-900000 SUNDRY REVENUE	6,151.83	42,970.18	.00	(42,970.18)	.0
TOTAL MISCELLANEOUS REVENUE	6,668.64	47,415.59	3,400.00	(44,015.59)	1394.6
<u>OPERATING REVENUE</u>					
52-37-100000 REFUSE COLLECTION CHARGES	79,377.78	635,088.78	941,000.00	305,911.22	67.5
52-37-200000 RECYCLING REVENUES	20,455.39	163,309.03	243,000.00	79,690.97	67.2
52-37-250000 GREEN WASTE CHARGES	15,817.63	129,044.95	192,000.00	62,955.05	67.2
52-37-300000 CONTAINER ADVANCE LEASE PAYMT	128.96	3,009.74	7,000.00	3,990.26	43.0
TOTAL OPERATING REVENUE	115,779.76	930,452.50	1,383,000.00	452,547.50	67.3
TOTAL FUND REVENUE	122,448.40	977,868.09	1,386,400.00	408,531.91	70.5

CENTERVILLE CITY CORPORATION
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 8 MONTHS ENDING FEBRUARY 28, 2025

SANITATION FUND

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>EXPENDITURES</u>					
52-4000-205.0 BANKING & INV/INTEREST EXPENSE	420.83	3,366.64	5,050.00	1,683.36	66.7
52-4000-241.0 PRINTING	823.36	6,271.09	3,200.00	(3,071.09)	196.0
52-4000-242.0 POSTAGE	.00	.00	7,000.00	7,000.00	.0
52-4000-314.0 COMPUTER SUPPORT	644.50	5,156.00	7,734.00	2,578.00	66.7
52-4000-320.0 GREEN WASTE COLLECTION	8,410.50	58,842.35	99,200.00	40,357.65	59.3
52-4000-321.0 COLLECTION	24,663.60	172,448.61	292,400.00	119,951.39	59.0
52-4000-322.0 DISPOSAL & TIPPING FEES	40,442.40	322,932.80	500,000.00	177,067.20	64.6
52-4000-324.0 RECYCLING COLLECTION	16,388.56	114,418.36	195,300.00	80,881.64	58.6
52-4000-325.0 GLASS RECYCLING COLLECTION	300.00	3,013.00	10,000.00	6,987.00	30.1
52-4000-480.0 MISC SUPPLIES	.00	.00	100.00	100.00	.0
52-4000-485.0 FLYER POSTAGE/FALL/SPG PICKUP	.00	.00	500.00	500.00	.0
52-4000-486.0 SPRING CLEAN-UP	.00	3,440.51	20,000.00	16,559.49	17.2
52-4000-510.0 GENERAL LIABILITY INSURANCE	.00	3,778.27	5,303.00	1,524.73	71.3
52-4000-640.0 GF ADMIN SERVICES	17,317.00	139,709.32	207,806.00	68,096.68	67.2
52-4000-750.0 CONTAINERS	.00	.00	32,807.00	32,807.00	.0
TOTAL EXPENDITURES	109,410.75	833,376.95	1,386,400.00	553,023.05	60.1
TOTAL FUND EXPENDITURES	109,410.75	833,376.95	1,386,400.00	553,023.05	60.1
NET REVENUE OVER EXPENDITURES	13,037.65	144,491.14	.00	(144,491.14)	.0

CENTERVILLE CITY CORPORATION

BALANCE SHEET

FEBRUARY 28, 2025

DRAINAGE UTILITY

ASSETS

53-11100000	CASH - COMBINED FUND	498,276.04	
53-13120000	ALLOWANCE FOR UNCOLLECTABLE	(3,789.00)	
53-13140000	ACCOUNTS RECIEVABLE	220,643.50	
53-15460000	DEFERRED OUTFLOWS-PENSIONS	22,326.00	
53-16350000	BUILDINGS	623,487.88	
53-16360000	ACCUMULATED DEPRECIATION	(1,877,157.24)	
53-16510000	ASSETS	200,461.05	
53-16520000	SUB DRAIN	2,046,416.46	
53-16530000	STORM DRAINS	5,331,432.37	
53-16540000	WORK IN PROGRESS	258,901.35	
TOTAL ASSETS			7,320,998.41

LIABILITIES AND EQUITYLIABILITIES

53-21320000	BONDS PAYABLE	196,000.00	
53-21321000	ACCRUED INTEREST ON BOND	2,592.58	
53-21330000	BONDS PAYABLE ST	25,000.00	
53-21350000	ACCRUED PAYROLL	4,357.12	
53-21351000	ACCRUED ABSENCES	34,553.00	
53-21352000	ACCRUED ABSENCES - ST	6,000.00	
53-23400000	DEFERRED INFLOWS-PENSIONS	89.00	
53-25410000	UNAMORTIZED BOND PREMIUM	24,098.45	
53-25420000	DEFERRED LOSS FROM BOND DEF	(1,314.85)	
53-25450000	NET PENSION LIABILITY	13,693.00	
TOTAL LIABILITIES			305,068.30

FUND EQUITY

UNAPPROPRIATED FUND BALANCE:			
53-29510000	FUND BALANCE - PREVIOUS YEAR	6,529,407.15	
	REVENUE OVER EXPENDITURES - YTD	486,522.96	
BALANCE - CURRENT DATE			7,015,930.11
TOTAL FUND EQUITY			7,015,930.11
TOTAL LIABILITIES AND EQUITY			7,320,998.41

CENTERVILLE CITY CORPORATION
REVENUES WITH COMPARISON TO BUDGET
FOR THE 8 MONTHS ENDING FEBRUARY 28, 2025

DRAINAGE UTILITY

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEARNED	PCNT
	<u>CHARGES FOR SERVICES</u>					
53-34-400000	DRAINAGE IMPACT FEE	.00	.00	30,000.00	30,000.00	.0
53-34-500000	VIDEO INSPECTION FEE	.00	.00	9,000.00	9,000.00	.0
	TOTAL CHARGES FOR SERVICES	.00	.00	39,000.00	39,000.00	.0
	<u>MISCELLANEOUS REVENUE</u>					
53-36-100000	INTEREST INCOME	632.68	3,762.23	25,000.00	21,237.77	15.1
53-36-900000	MISCELLANEOUS	.00	150.00	.00	(150.00)	.0
	TOTAL MISCELLANEOUS REVENUE	632.68	3,912.23	25,000.00	21,087.77	15.7
	<u>OPERATING REVENUE</u>					
53-37-100000	DRAINAGE CHARGES	80,787.85	983,299.08	1,470,000.00	486,700.92	66.9
53-37-300000	SUB DRAIN FEES	47,417.33	338,311.97	460,000.00	121,688.03	73.6
	TOTAL OPERATING REVENUE	128,205.18	1,321,611.05	1,930,000.00	608,388.95	68.5
	TOTAL FUND REVENUE	128,837.86	1,325,523.28	1,994,000.00	668,476.72	66.5

CENTERVILLE CITY CORPORATION
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 8 MONTHS ENDING FEBRUARY 28, 2025

DRAINAGE UTILITY

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
EXPENDITURES						
53-4000-110.0	SALARY & WAGES	10,586.46	56,442.42	135,746.00	79,303.58	41.6
53-4000-111.0	OVERTIME PAY	.00	.00	500.00	500.00	.0
53-4000-130.0	FICA	672.76	3,887.61	10,423.00	6,535.39	37.3
53-4000-131.0	RETIREMENT	1,604.29	8,953.56	23,121.00	14,167.44	38.7
53-4000-132.0	MEDICAL INSURANCE	4,021.89	18,585.25	51,511.00	32,925.75	36.1
53-4000-134.0	LONG TERM DISABILITY	28.00	175.25	300.00	124.75	58.4
53-4000-135.0	WORKERS COMPENSATION	195.45	1,106.54	1,100.00	(6.54)	100.6
53-4000-200.0	UNIFORM PURCHASE	.00	362.00	950.00	588.00	38.1
53-4000-205.0	BANKING & INV/INTEREST EXPENSE	420.83	3,366.64	5,050.00	1,683.36	66.7
53-4000-220.0	PUBLIC NOTICES	.00	.00	200.00	200.00	.0
53-4000-240.0	OFFICE SUPPLIES	.00	727.59	750.00	22.41	97.0
53-4000-241.0	PRINTING	823.36	6,271.03	5,700.00	(571.03)	110.0
53-4000-242.0	POSTAGE	.00	.00	7,000.00	7,000.00	.0
53-4000-250.0	VEHICLE MAINTENANCE	207.76	361.14	2,500.00	2,138.86	14.5
53-4000-264.0	IT SERVICES AND LICENSES	.00	208.62	195.00	(13.62)	107.0
53-4000-280.0	TELEPHONE AND DATA	70.00	575.06	1,460.00	884.94	39.4
53-4000-290.0	GASOLINE	.00	465.85	3,000.00	2,534.15	15.5
53-4000-310.0	PROFESSIONAL SERVICES	1,000.00	8,000.00	42,000.00	34,000.00	19.1
53-4000-314.0	COMPUTER SUPPORT	1,746.50	11,661.29	25,000.00	13,338.71	46.7
53-4000-316.0	ENGINEERING	25,856.50	53,896.83	40,000.00	(13,896.83)	134.7
53-4000-322.0	DAVIS COUNTY STORM WATER	.00	4,297.00	7,000.00	2,703.00	61.4
53-4000-330.0	EDUCATION & TRAINING	.00	287.50	5,000.00	4,712.50	5.8
53-4000-352.0	FRONTAGE ROAD SWALE	5,000.00	40,000.00	60,000.00	20,000.00	66.7
53-4000-353.0	STREET SWEEPING	.00	11,843.70	32,000.00	20,156.30	37.0
53-4000-368.0	VIDEO INSPECTION	.00	.00	9,000.00	9,000.00	.0
53-4000-371.0	UTILITIES-FRONTAGE ROAD PUMP	99.35	545.28	1,500.00	954.72	36.4
53-4000-374.0	SYSTEM MAINTENANCE & REPAIRS	.00	.00	20,000.00	20,000.00	.0
53-4000-375.0	CONTRACT MAINTENANCE	5,905.48	28,917.84	175,000.00	146,082.16	16.5
53-4000-479.0	DECANT HAULING & MAINTENANCE	1,529.00	5,031.94	8,000.00	2,968.06	62.9
53-4000-480.0	MISC SUPPLIES	196.78	773.65	4,500.00	3,726.35	17.2
53-4000-481.0	FLOOD MITIGATION	.00	.00	10,000.00	10,000.00	.0
53-4000-510.0	GENERAL LIABILITY INSURANCE	.00	2,914.78	29,448.00	26,533.22	9.9
53-4000-515.0	LIABILITY RESERVE	.00	.00	5,000.00	5,000.00	.0
53-4000-640.0	GF ADMINISTRATIVE SERVICES	49,373.00	390,826.32	592,473.00	201,646.68	66.0
53-4000-740.0	DEBT SERVICE	3,385.19	31,379.07	31,460.00	80.93	99.7
53-4000-745.0	CAPITAL EQUIPMENT	.00	5,337.60	6,000.00	662.40	89.0
53-4000-750.0	MISC. PROJECTS	.00	.00	641,113.00	641,113.00	.0
53-4000-900.0	DEPRECIATION EXPENSE	13,317.00	93,268.00	120,000.00	26,732.00	77.7
TOTAL EXPENDITURES		126,039.60	790,469.36	2,114,000.00	1,323,530.64	37.4

CENTERVILLE CITY CORPORATION
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 8 MONTHS ENDING FEBRUARY 28, 2025

DRAINAGE UTILITY

	PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
<u>DRAINAGE IMPROVEMENT PROJECTS</u>					
53-5000-260.0 *PORTER LANE*	.00	750.00	.00	(750.00)	.0
53-5000-290.0 NOLA DRIVE & 1375 NORTH	.00	6,105.00	.00	(6,105.00)	.0
53-5000-406.2 1250 N STORM DRAIN - CONSTRUCT	.00	38,550.96	.00	(38,550.96)	.0
53-5000-407.1 400 E STORM DRAIN - ENGINEERIN	.00	2,625.00	.00	(2,625.00)	.0
53-5000-408.1 CENTERVILLE JR SD - ENGINEERIN	.00	500.00	.00	(500.00)	.0
TOTAL DRAINAGE IMPROVEMENT PROJECTS	.00	48,530.96	.00	(48,530.96)	.0
TOTAL FUND EXPENDITURES	126,039.60	839,000.32	2,114,000.00	1,274,999.68	39.7
NET REVENUE OVER EXPENDITURES	2,798.26	486,522.96	(120,000.00)	(606,522.96)	405.4

CENTERVILLE CITY CORPORATION
BALANCE SHEET
FEBRUARY 28, 2025

TELECOMMUNICATION FUND

ASSETS

54-11100000	CASH - COMBINED FUND	7,631.10	
54-11220000	NOTES RECEIVABLE-CENTERVILLE	457,842.47	
54-13140000	ACCOUNTS RECEIVABLE	9,067.67	
	TOTAL ASSETS		474,541.24

LIABILITIES AND EQUITY

LIABILITIES

54-21210000	UIA NOTES PAYABLE-ST	49,730.96	
54-21220000	UIA NOTES PAYABLE-LT	408,111.51	
	TOTAL LIABILITIES		457,842.47

FUND EQUITY

	UNAPPROPRIATED FUND BALANCE:		
54-29510000	FUND BALANCE - PREVIOUS YEAR	12,500.06	
	REVENUE OVER EXPENDITURES - YTD	4,198.71	
	BALANCE - CURRENT DATE	16,698.77	
	TOTAL FUND EQUITY		16,698.77
	TOTAL LIABILITIES AND EQUITY		474,541.24

CENTERVILLE CITY CORPORATION
REVENUES WITH COMPARISON TO BUDGET
FOR THE 8 MONTHS ENDING FEBRUARY 28, 2025

TELECOMMUNICATION FUND

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEARNED	PCNT
	<u>MISCELLANEOUS REVENUE</u>					
54-36-100000	INTEREST INCOME	24.79	210.81	200.00	(10.81)	105.4
	TOTAL MISCELLANEOUS REVENUE	24.79	210.81	200.00	(10.81)	105.4
	<u>CHARGES FOR SERVICES</u>					
54-37-100000	UTILITY SERVICE CHARGES	6,499.96	65,299.14	125,000.00	59,700.86	52.2
	TOTAL CHARGES FOR SERVICES	6,499.96	65,299.14	125,000.00	59,700.86	52.2
	TOTAL FUND REVENUE	6,524.75	65,509.95	125,200.00	59,690.05	52.3

CENTERVILLE CITY CORPORATION
EXPENDITURES WITH COMPARISON TO BUDGET
FOR THE 8 MONTHS ENDING FEBRUARY 28, 2025

TELECOMMUNICATION FUND

		PERIOD ACTUAL	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
	<u>PROFESSIONAL SERVICES</u>					
54-4000-320.0	CONTRACT SERVICES - UIA	6,536.39	61,311.24	118,950.00	57,638.76	51.5
54-4000-640.0	ADMINISTRATIVE SERVICES	.00	.00	6,250.00	6,250.00	.0
	TOTAL PROFESSIONAL SERVICES	6,536.39	61,311.24	125,200.00	63,888.76	49.0
	TOTAL FUND EXPENDITURES	6,536.39	61,311.24	125,200.00	63,888.76	49.0
	NET REVENUE OVER EXPENDITURES	(11.64)	4,198.71	.00	(4,198.71)	.0

CENTERVILLE CITY CORPORATION
BALANCE SHEET
FEBRUARY 28, 2025

GENERAL FIXED ASSET FUND

ASSETS

91-16110000	LAND	7,928,488.00	
91-16210000	BUILDINGS	18,695,912.00	
91-16510000	EQUIPMENT & MACHINERY	6,882,059.00	
91-16610000	AUTOS & TRUCKS	4,123,272.00	
91-16710000	CONSTRUCTION IN PROGRESS	918,315.00	
91-16910000	INFRASTRUCTURE	14,796,576.00	
91-17000000	ACCUMULATED DEPRECIATION	(16,537,199.00)	
	TOTAL ASSETS		36,807,423.00

LIABILITIES AND EQUITY

FUND EQUITY

	UNAPPROPRIATED FUND BALANCE:		
91-29510000	INVESTMENT IN FIXED ASSETS	36,807,423.00	
	BALANCE - CURRENT DATE	36,807,423.00	
	TOTAL FUND EQUITY		36,807,423.00
	TOTAL LIABILITIES AND EQUITY		36,807,423.00

CENTERVILLE CITY CORPORATION
BALANCE SHEET
FEBRUARY 28, 2025

GENERAL LONG TERM DEBT

ASSETS

95-15460000	DEFERRED OUTFLOW - PENSION	1,576,769.00	
	TOTAL ASSETS		1,576,769.00

LIABILITIES AND EQUITY

LIABILITIES

95-20320000	ISLAND VIEW PARK LEASE	796,000.00	
95-25340000	ACCRUED ABSENCES	416,145.00	
95-25340001	ACCRUED ABSENCES - ST	430,000.00	
95-25450000	NET PENSION LIABILITY	1,571,015.00	
95-25460000	DEFERRED INFLOW - PENSIONS	12,205.00	
95-25480000	OUTSTANDING CLAIMS	23,349.16	
95-25480001	OUTSTANDING CLAIMS - ST	6,424.66	
	TOTAL LIABILITIES		3,255,138.82

FUND EQUITY

UNAPPROPRIATED FUND BALANCE:			
95-29510000	BEGINNING OF YEAR	(1,678,369.82)	
	BALANCE - CURRENT DATE	(1,678,369.82)	
	TOTAL FUND EQUITY		(1,678,369.82)
	TOTAL LIABILITIES AND EQUITY		1,576,769.00