

# Cedar City

10 North Main Street • Cedar City, UT 84720  
435-586-2950 • FAX 435-586-4362  
[www.cedarcity.org](http://www.cedarcity.org)

**Mayor**  
Garth O. Green

**Council Members**  
Robert Cox  
W. Tyler Melling  
R. Scott Phillips  
Ronald Riddle  
Carter Wilkey

**City Manager**  
Paul Bittmenn

**CITY COUNCIL MEETING**  
**SEPTEMBER 11, 2024**  
**5:30 P.M.**

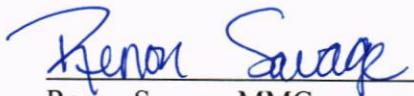
The City Council meeting will be held in **room 7 at Festival Hall, 96 North Main Street**, Cedar City, Utah. The City Council Chambers may be an anchor location for participation by electronic means. The agenda will consist of the following items:

- I. **Call to Order**
- II. **Agenda Order Approval**
- III. **Administration Agenda**
  - Mayor and Council Business
  - Staff Comment
    - Discussion of License Plate Reader technology and trial implementation.  
Chief Darin Adams
- IV. **Business Agenda**
  - Public Comments
    - Cache Valley Bank. Annette Smith, Branch Manager/Operations Manager
- V. **Public Consent Agenda**
  1. Approval of minutes dated August 21 & 28 (action) 2024
  2. Ratify bills dated August 30, 2024
  3. Approve a single event alcohol permit Warehouse Bar & Kitchen to have a Parking Lot Party on September 21<sup>st</sup>. Peyten Crawford/Chief Darin Adams
  4. Approve a local consent alcohol license for Shoku Inc. dba Kabuto Sushi, 927 S. Main Street. Alex Lignell/Chief Darin Adams
  5. Approve an access easement for property located at approximately 725 North 1300 West. Corey Childs/Paul Bittmenn
  6. Approve a change order to AIP-049 for electrical changes to the Airport Terminal project. Tyler Galetka
  7. Approve declaring items as surplus property. Corey Childs
  8. Approve participation in the 2400 N / I-15 Interchange / Main St / I-15 Underpass feasibility study. Kent Fugal

**Action – need a motion from a council member to either approve or deny each of the following items:**

9. Consider an ordinance changing the zone from Residential multiple unit (R-3-M) to Student Housing District (SHD) for property located at approximately 350 S. Dewey Ave. David Mineer/Paul Bittmenn
10. Consider a resolution revising Section 4.2.1, Detail W1A, and Detail W2 of the City Engineering Standards regarding HDPE pipe. Jonathan Stathis

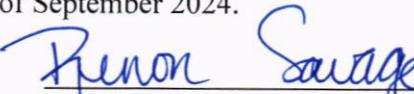
Dated this 9<sup>th</sup> day of September 2024.



Renon Savage, MMC  
City Recorder

CERTIFICATE OF DELIVERY:

The undersigned duly appointed and acting recorder for the municipality of Cedar City, Utah, hereby certifies that a copy of the foregoing Notice of Agenda was delivered to the Daily News, and each member of the governing body this 9<sup>th</sup> day of September 2024.

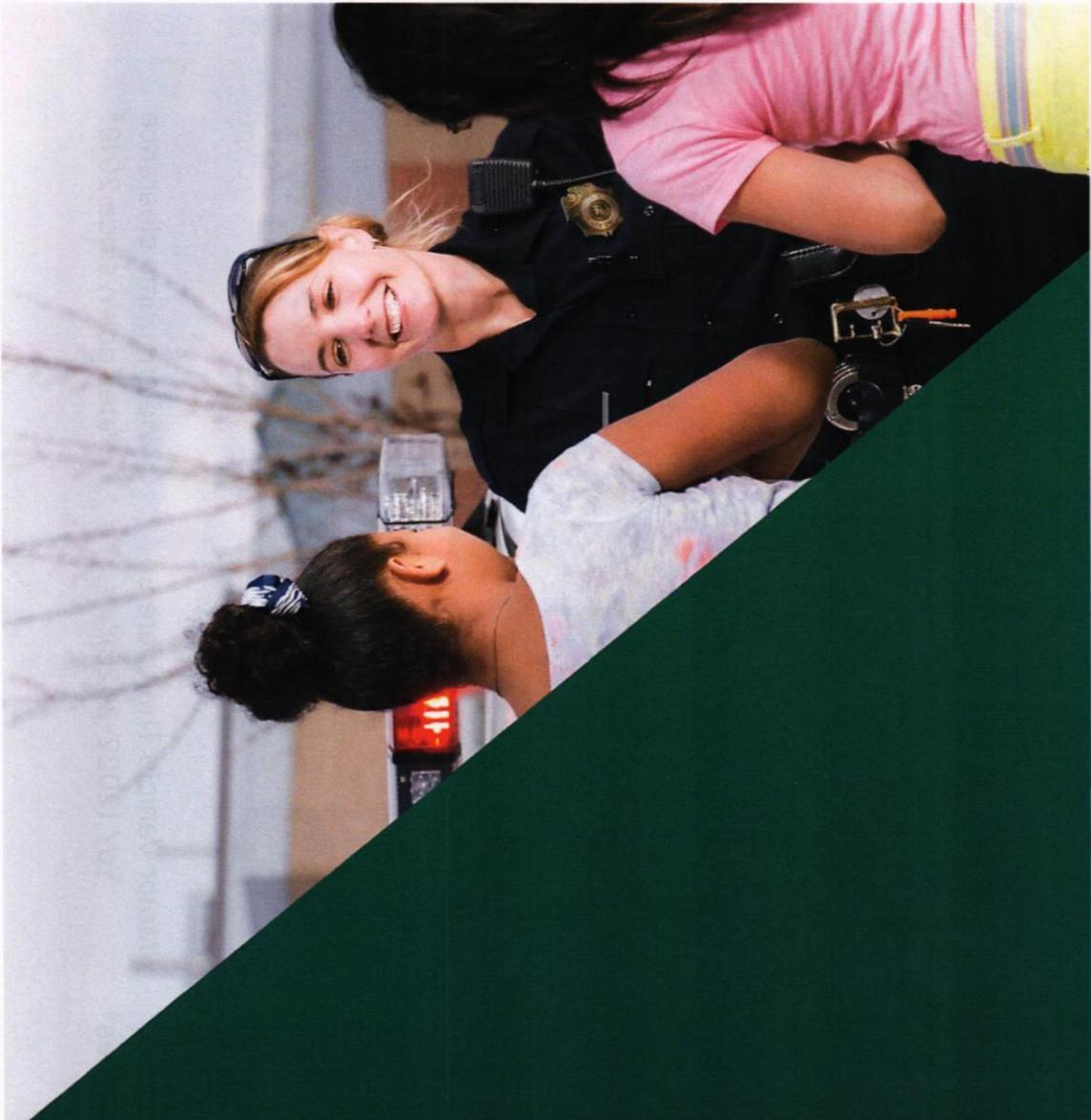


Renon Savage, MMC  
City Recorder

Cedar City Corporation does not discriminate on the basis of race, color, national origin, sex, religion, age or disability in employment or the provision of services.

If you are planning to attend this public meeting and due to a disability, need assistance in accessing, understanding or participating in the meeting, please notify the City not later than the day before the meeting and we will try to provide whatever assistance may be required.

Staff



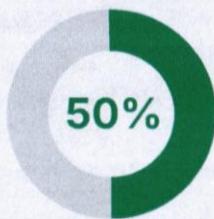
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**Shape a safer  
future, together**

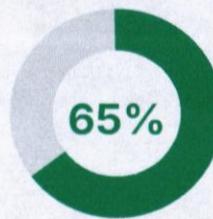
2024 | CEDAR CITY, UT

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## The policing paradox: fewer resources, higher stakes



Agencies reporting more  
resignations in 2022 than 2019<sup>1</sup>



Agencies report having too  
few sworn officer candidates<sup>2</sup>



**29%**

Motor Vehicle Thefts are up  
YoY (2022-2023)<sup>3</sup>



**8.8%**

Violent crime clearance  
rates down since 2019<sup>4</sup>

Sources: [1](#) [2](#) [3](#) [4](#)

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What we observe

## The current reality

- Limited police resources
- Crime continues to hurt communities
- Trust is needed more than ever

What we believe

## The opportunity

- Technology multiplies the force
- Protect first responders and the community using technology
- Collect and distribute objective evidence to the right user
- Engage community to support and grow

# The Flock Safety Platform

## Detect



- Falcon®



- Raven®



- Condor



- Wing®

Capture evidence with Flock Safety devices and third-party infrastructure

## Decode

- Real-Time Routing
- Visual Search
- Multi-Geo Search

- Vehicle Fingerprint® Search
- Gunshot Localization

- Convoy Analysis
- Fireworks

Make sense of mountains of evidence instantly with AI

## Deliver

- Search
- Map

- Mobile App
- Real-time Alerts

- Actionable Insights
- License Plate Lookup

- Situational Awareness

Get the right evidence into the right hands at the right time with FlockOS®



**Capture more evidence. Solve more crime.**



Falcon

LPR

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## With Flock Safety, you get:

Flock Safety provides your police department with indiscriminate evidence from fixed locations.

We provide all of the maintenance so that your police department and city staff can focus on keeping your city safe and prosperous.



### INFRASTRUCTURE-FREE

Reduce time to value and utility costs with full-service deployment.



### 24/7 COVERAGE

Capture objective vehicle data around the clock to multiply your force.



### REAL-TIME ALERTS

- NCIC
- NCMEC (Amber Alert)
- Custom Hot Lists



### ETHICALLY BUILT

- No people
- No facial recognition
- No speed tracking
- Indiscriminate evidence

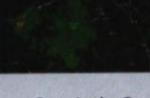
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## Proactive policing with real-time alerts

Your police officers can receive SMS, email, and in-app alerts when vehicles entered into the FBI's NCIC, NCMEC (Amber Alerts), or custom Hot Lists pass by a Flock Safety camera in your community.

**Catalytic Converter Theft**

Date	PKH8083	Source	Flock Hot List	Topic	Catalytic Converter Theft	Camera	Flock Camera
Date	1/1/2023, 10:00:00 1min ago	Description	SUV, BLUE, JEEP, TOP RACK	Networks	NCIC		



**Catalytic Converter Theft Hot List Alert**

Blue SUV @FlockCamera  
1/1/2023 @ 10:00:00 (1min ago)  
Flock Camera  
Flock network



Search Alerts Map VMS Devices Insights Admin

Hot List Custom Hot List Vehicle Description Alert Suppressed Hits

**Custom Hot Lists**

Disclaimer: custom hot lists alone should never be used as probable cause.

**Your Lists**

List Name	Owner	Deconflict
Catalytic Converter Theft	John	Yes
Catalytic Converter Theft	John	Yes
Catalytic Converter Theft	John	Yes

**Add List**

**List Name** Catalytic Converter Theft

**Audience** Changes may take up to 5 minutes.

Entire Organization

**Roles** Select from dropdown

**Users** Select from dropdown

**Deconfliction Preferences**

Enter this hot list into the Flock Deconfliction Database.

**Organization Lists**

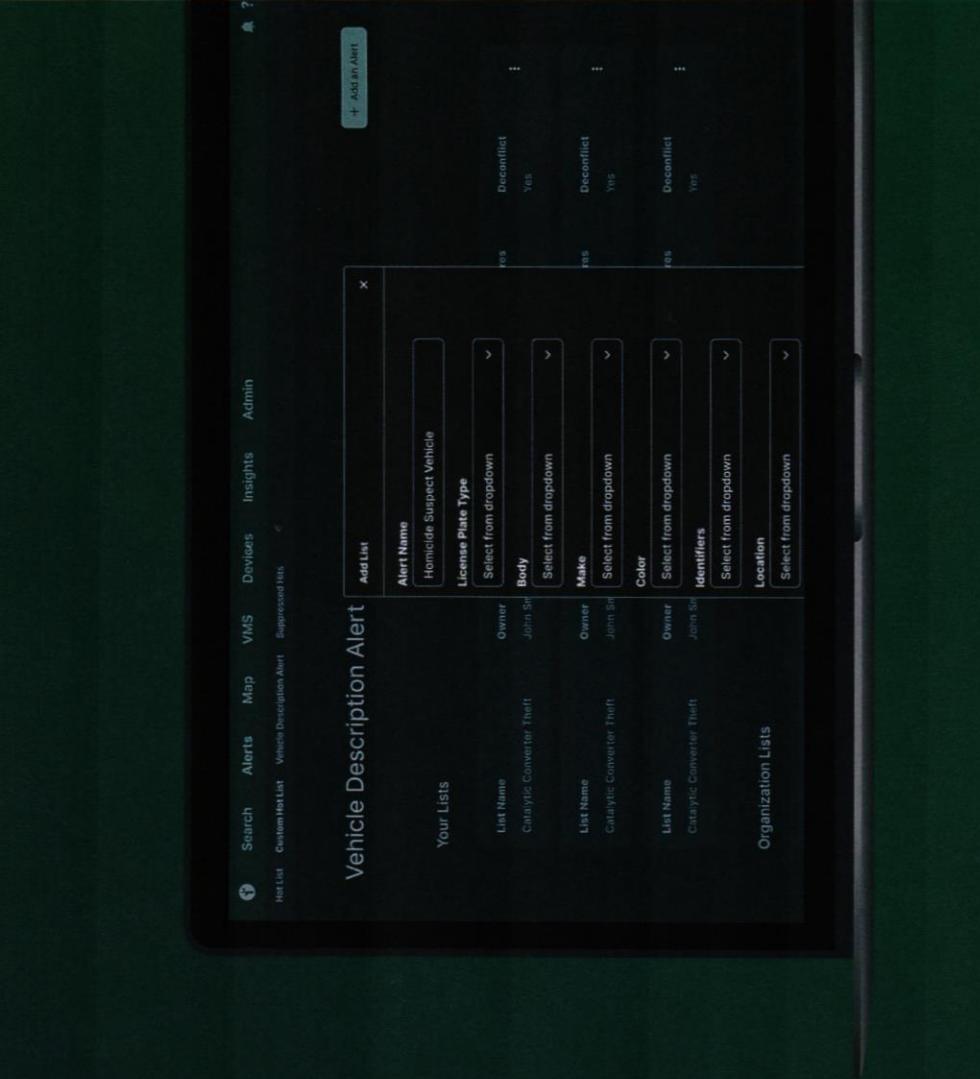
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# What Vehicle Fingerprint® technology identifies

Flock's machine learning technology allows officers to search vehicles based on unique vehicle criteria, time, and location — objective, investigative evidence.

## INCLUDING

- Vehicle make
- Body type
- Color
- Back racks
- Top racks
- License plates
  - Temporary tags
  - State recognition



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## What this is:

- License Plate Recognition (LPR)
- Gathers objective evidence and facts about vehicles, not people
- Alerts police of wanted vehicles
- Used to solve crime
- Adheres to all state laws

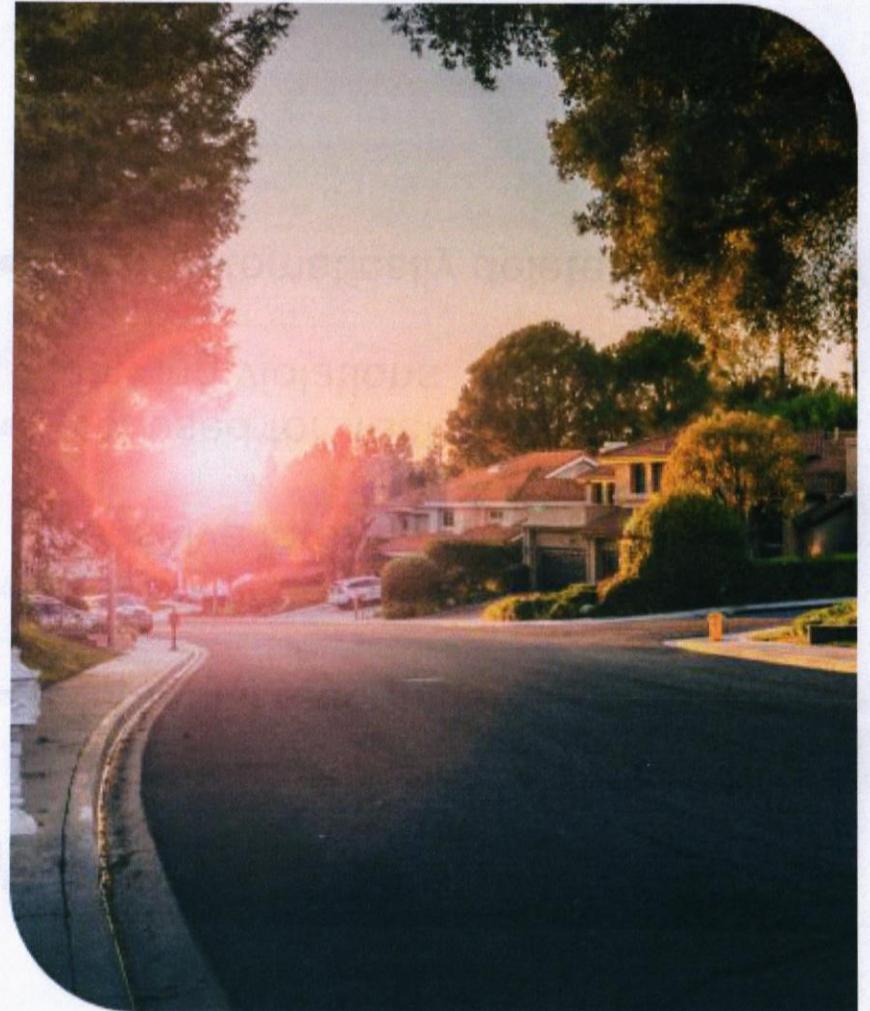
## What this is not:

- Not facial recognition
- Not collection of biometric or sensitive information
- Not used for tracking speed or parking violations
- Data automatically deletes every 30 days

## How does this technology deter and eliminate crime?

- **Proactive:** Real-Time Alerts when stolen or wanted vehicles enter your city
- **Investigative:** As clearance rates increase, overall crime often decreases
- Flock cameras serve as a **deterrant**

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# Condor

video

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# Instant eyes on the scene for better response and officer safety

Improve situational awareness and case clearance without procuring, installing, or maintaining your own live and recorded cameras.



## NO IT REQUIRED

100% cloud-based,  
so no IT or servers needed.



## BE PROACTIVE

Proactive camera  
monitoring + service.  
No more reactive fixes.



## SOFTWARE INCLUDED

Hardware, cellular, and  
VMS software included  
via FlockOS®.



## REMOTE CONTROL

Remote PTZ controls  
for situational awareness  
from a safe distance.

# Flock Safety Condor™

## Condor PTZ

Turnkey live and recorded video with remote PTZ controls. Ideal for open areas like intersections and parks.



## Flock Safety Condor cameras include:

- ✓ Cellular Backhaul
- ✓ 25X Optical Zoom
- ✓ High-Quality Night Imagery
- ✓ Edge Storage
- ✓ Procurement
- ✓ Permitting
- ✓ Installation
- ✓ Maintenance
- ✓ Data Storage + Retention

## Condor Fixed

Turnkey live and recorded video with remote zoom controls. Ideal for buildings, city streets, and areas that require constant recording.



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## **What this is:**

- Situational awareness through objective video evidence
- Encrypted data stored on device and in the cloud
- Accessible via auditable search
- Used to solve crime and maintain officer/citizen safety

## **What this is not:**

- Not facial recognition
- Not collection of biometric or sensitive information
- Data automatically deletes every 30 days
- Not unlimited, continuous monitoring

A Trusted Partner

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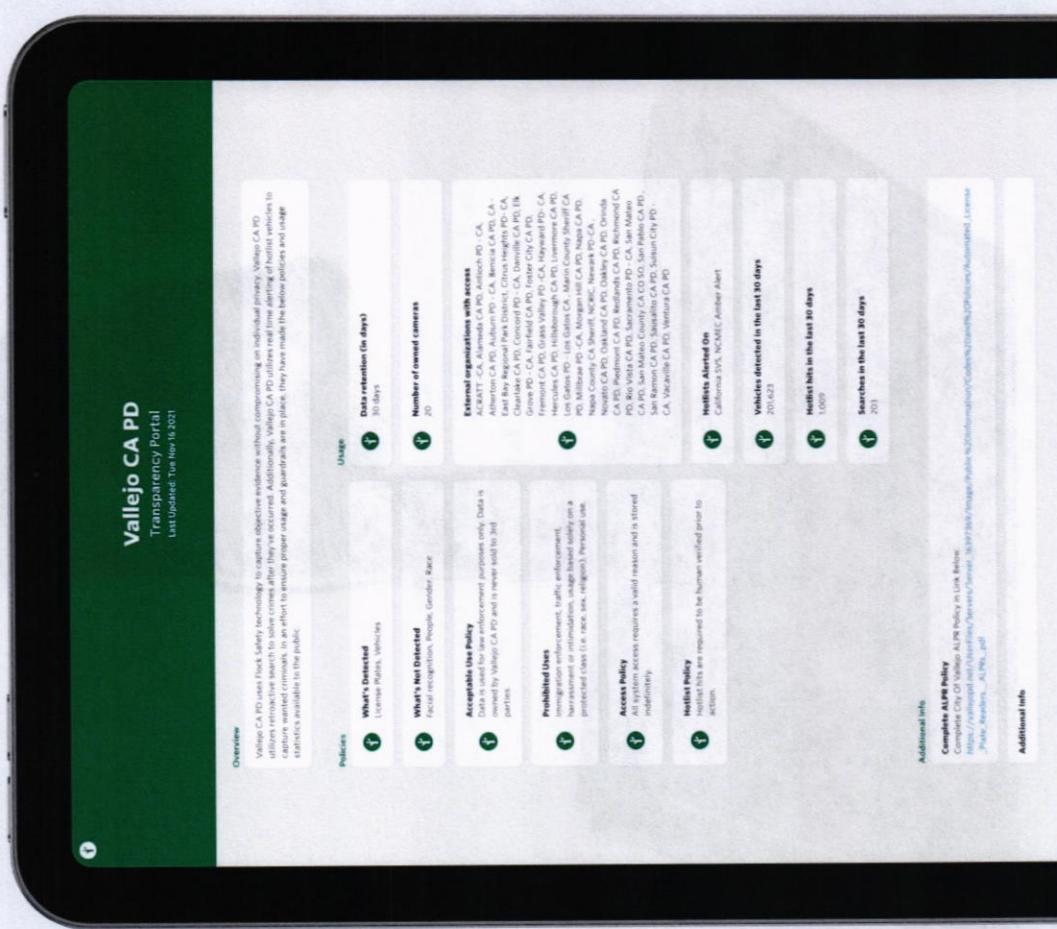
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## Protecting privacy

- Footage owned by Agency/City and will never be sold to private third parties by Flock
- 30-day data retention, then automatically hard deleted
- Takes human bias out of crime-solving by detecting only objective data
- All data is stored securely with end to end encryption of all data

## Accountability mechanisms

- Search reason and user number saved in indefinitely-available audit trail
- NOT facial recognition software, NOT collecting biometric information
- NOT used for parking enforcement or tolls
- Not connected to registration data or 3rd party databases (Carfax, DMV)
- Transparency Portal (free and optional)



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## Transparency & Insights

Measure ROI and promote the ethical use of public safety technology

Transparency Portal

- Customizable for each agency
- Display technology policies
- Publish usage metrics

Insights Dashboard

- Measure crime pattern
- Audit Search history

### Examples

- Morgan Hill PD
- Vallejo PD

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Additional info

# Solve crime, we'll handle the rest

Our dedicated team provides rapid, full-service deployment. Your police officers focus on solving crime and protecting the community.

## Within the Flock Safety annual subscription:

- Solar power
- Installation + Ongoing Maintenance
- Hardware Procurement + Permitting
- User Training
- Data storage
- Software Updates



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Already solving and  
preventing crime

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# Flock Safety In Utah

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30+ law enforcement agencies,  
including:

- South Salt Lake City PD
- Ogden PD
- Provo PD
- Brigham Young University PD

NEWS > CRIME



**Registered sex offender attempted to kidnap 3-year-old in South Salt Lake, police say**

## Case Study - Domestic Violence

📍 Centerville PD - Centerville, UT

- Officers responded to reports from a woman stating that she had been choked and attacked inside a vehicle.
- The victim gave officers a description of the suspect's vehicle, which officers entered into their Flock Safety LPRs.
- Officers soon received an alert that the vehicle had been detected in Ogden.
- Weber County Sheriff's deputies then located and arrested the suspect, who was charged with domestic violence and aggravated assault.



## Case Study - Connected Burglaries

📍 Centerville PD - Centerville, UT

- Officers received an alert that a vehicle stolen from the University of Utah campus had been detected in the area.
- Authorities knew that same vehicle was allegedly involved in five separate business burglaries across multiple jurisdictions.
- Officers responded to a nearby motel where they arrested one suspect and recovered stolen property.
- A short time later Summit County Sheriff's Deputies located the vehicle, arrested the driver, and recovered stolen property inside the vehicle.
- Both suspects are facing multiple charges including theft and check fraud.



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## Case Study - Hit-and-Run

📍 Centerville PD - Centerville, UT

- Officers responded to reports of a hit-and-run. They reviewed nearby surveillance camera footage and developed a suspect vehicle description.
- After entering the description into their Flock Safety LPRs, officers received an alert that the vehicle had been detected in North Salt Lake on the same road as and minutes before the accident occurred.
- Suspects were charged with:
  - ◆ Driving a vehicle without insurance
  - ◆ Driving on a suspended driver's license
  - ◆ Leaving the scene of an accident



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# Citrus Heights PD solves serial bank robbery and protects officers with privately-funded cameras and FlockOS®



## Falcon LPR Notification

Privately-funded LPR at local casino gets a hit on a suspect vehicle associated with a robbery.



## Arrest Made

Detectives apprehended the suspect once they verified the vehicle associated with the robbery was his.



## Suspect Verified on Condor PTZ via FlockOS

Investigators used FlockOS to access feed from nearby intersection Condor camera to monitor the vehicle in the parking lot in real-time without putting officer safety at risk.

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# Missing, Endangered Senior Found in 15 Minutes

📍 Port Washington PD - Port Washington, WI



## Silver Alert Issued

A Grafton crime analyst entered the missing Town of Brookfield senior's vehicle into the Flock system and saw it had been in their city.

2:43 p.m.

2:43 p.m.



## Senior Returned

Within an hour of the plate being entered in Flock, the car was located and the individual reunited with their family.



## Vehicle Sets Off Alert

The vehicle passed a Flock LPR camera in Port Washington and an alert is immediately sent to local officers.

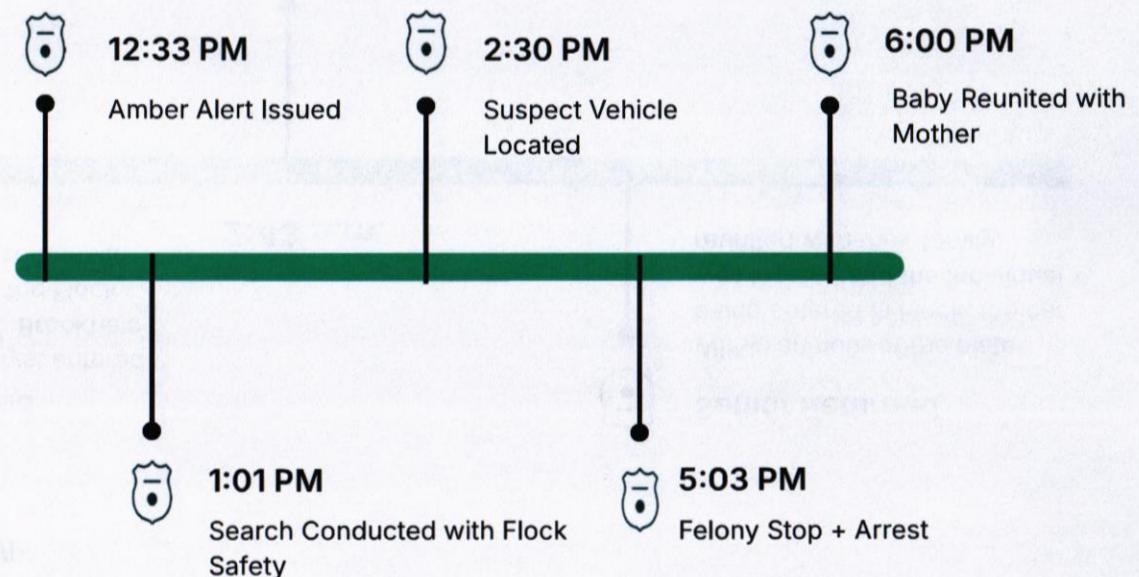
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# When Every Second Matters: Child Abduction

📍 Chamblee PD - Chamblee, GA



Stranger on Stranger Abduction  
August 28, 2020



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**COUNCIL WORK MINUTES**  
**AUGUST 21, 2024**

The City Council held a meeting on Wednesday, August 21, 2024, at 5:30 p.m. in the City Council Chambers, 10 North Main Street, Cedar City, Utah.

**MEMBERS PRESENT:** Mayor Garth O. Green; Councilmembers: Robert Cox; W. Tyler Melling; R. Scott Phillips; Ronald Riddle.

**EXCUSED:** Councilmember Carter Wilkey.

**STAFF PRESENT:** City Manager Paul Bittmenn; City Attorney Randall McUne; City Recorder Renon Savage; Finance Director Jason Norris; City Engineer Kent Fugal; Police Chief Darin Adams; Fire Chief Mike Phillips; Leisure Services Director Ken Nielson; Parks Division Head Anthony Pearson; Senior Engineer Jonathan Stathis; Airport Manager Tyler Galetka; Public Works Director Ryan Marshall; Economic Development Director David Johnson.

**OTHERS PRESENT:** Wendy Green, Candace Howes, Emma Epperson, Courtney Flint, Tom Jett, Bella Brooks, Alysha Lundgren, Kristen Mitchell, Heidi Rugg, Phil Schmidt, Bob Platt, James Jetton, Serenna Wu, Stephanie Hill, Paul Monroe, Ann Clark, Austin Atkin, Tyler Romeril, Ray Gardner.

**CALL TO ORDER:** President Tyler Romeril of the Canyon View Stake of the Church of Jesus Christ of Latter-Day Saints gave the invocation; the pledge was led by Councilman Riddle.

**AGENDA ORDER APPROVAL:** Councilmember Phillips moved to approve the agenda order; second by Councilmember Melling; vote unanimous.

**ADMINISTRATION AGENDA – MAYOR AND COUNCIL BUSINESS; STAFF**

**COMMENTS:** ■**Mayor** – Tomorrow and Friday is the open house at the American Preparatory Academy, it goes all day long. Friday at noon is the ribbon cutting. Cedar Breaks ribbon cutting Thursday at 1:00 p.m. I put in front of you pictures of a ball field out west, what I am trying to accomplish is being able to tell the road crew where to build a pond this fall while the eagle is off its nest. I want an opinion of which outline you like the best.

**Melling** – I like the one with the larger capacity 25-acre foot capacity, Riddle agreed.

**Phillips** – not knowing the orientation of the fields, will lights affect the ecosystem? **Mayor** – as long as we are 320 feet away, we are ok. **Phillips** – the larger capacity is the better way. A copy of the larger capacity drawing is attached as Exhibit “A”. **Mayor** – we are not storing, the pond is where the water will come to from the ditch off U-56 along with a well that Mr. Burgess will drill, he will pump out of it for his pivot to the west. We will pump out of it also to our pond. We want to keep the pond full all the time for esthetics. The storage is the storm drain from the subdivision, Coal Creek irrigation and Burgess pump and we will work together with meters to pay the power bill. There is a 24” culvert that we will buy the pipe and concrete boxes if they install it, this will be brought up with the budget revision.

■**Phillips** – the Youth City Council is having a cemetery cleanup Saturday at 9:00 a.m. We also have students from CVHS and CHS Honor Society will be there, and anyone else that would like to help is welcome. We will meet in the large area where the book and maps are located, and we will concentrate on the north, pick up trash and weed the flower bed by the

large map. ■Park Discovery renovation presentation. Big T Recreation – **Ken Nielson**, LS Director - we presented some concepts for Park Discovery Renovation at our Leisure Service meeting today. We would like to start this fall. Paul Foster from Big T will present some concepts. This is a RAP Tax project. We are not taking away from the amphitheater, just changing out the wood. **Phillips** – will the park retain the sense of discovery? **Ken** – Mr. Foster has put some of those dynamics in and you will see that. We will document all the names and make a memorial wall as we move along. Since he was here for the Leisure Services meeting, I wanted him to present it to you as well. We like it, he has some of the latest and greatest and says we won't have to touch it for 20 years. **Paul Foster**, Big T Recreation, Project Manager, we do big scale playgrounds and do this all over. I worked in parks and recreation for years before doing this. Everything you see can be customized with color, see Exhibit "B". We want to answer any questions you may have also. We want to have something noticeable when you come to the space, it has a lot of distinct features, we have vertical pieces with towers and slides. There is a scavenger wall, there are play hills of unstructured play, that is the latest and greatest, it has synthetic turf on it. There are climbers, there is a unity ring, it spins, and you can do it as an individual or as a group. There are two zoom tracks, one with an ADA chair, it is on a trolley system. There is a cone spinner with two decks. Generational play is a big thing for kids and adults, on the ground and elevated. There are 4 types of musical instruments/equipment that kids can play, we centralized that and put shade over it, there is a caterpillar/butterfly element also. We are leaving the amphitheater with shade in that area. There is an ADA schedule showing what is required and what we have done, you are required to do 10, we have done 11. **Phillips** – can kids with disabilities be able to use most of the park? **Paul** – yes, on the lower level. We have engineered wood fiber chips for the ground surface. It meets ADA requirement, but it is difficult to push a wheelchair through. **Melling** – I like this. Where this is a RAP tax project that is what the funds are for. **Phillips** - will this be available with the funding that is available? **Paul** – yes, it is within the budget to be able to replace the playground. **Ken** – once we have everything in place, we will put benches and shade structures. The concept leisure moms like is that they can see their kids all over the park. **Tom Jett** – I was a sponsor of the original Park Discovery, it has fallen into disrepair because of the materials. Would this fall within the purview of the discovery type of park? **Paul** – yes, there are some things that will stay there. They will also do a wall of sponsors. There is a play space on the north and east ends that will stay. **Ken** – the dinosaur digs will stay there. ■**Gabriele Costello** – Community Relations & Public Information Officer – on October 9<sup>th</sup>, this will be our second time participating in a national movement to educate kids on bike safety, active transportation, how to use the crosswalk properly. Across the nation everyone does this in October. At this time, there are no other schools or districts that have signed up from Southern Utah we are the only one down here that is participating. It came up last year, and we want to continue to educate kids and the community about using the crosswalk and bike lanes, wearing a helmet, and the safety laws. We decided to participate in this free initiative. We want to invite council members and staff to participate the morning of October 9<sup>th</sup>, we will have police officers involved as well. This is for all Iron County Schools to educate on safe routes to school the school buses get on board also. We would like the council members to visit the schools and participate and make it a fun morning. **Phillips** - it is about an hour before school, it is a way to greet the kids. The buses stop about a block away, it is to get the kids active. **Gabbie** – it is backed by the Active Transportation Committee. We are hoping to get SUU Athletics involved this year as well.

**PUBLIC COMMENTS:** ■Utah Wellbeing Survey Report. **Gabbie** – I am happy to welcome Dr. Courtney Flint, we did a community survey last year, I have those results, it is online with all of the comments. This year we remembered we had participated in a wellbeing survey in 2020 with Utah State University and we asked similar questions. **Dr. Courtney Flint** Utah State University – I do the Utah Wellbeing Survey; we are all over the state and we are of service to the state and support your general planning process. We do some research with DOT, Healthy Utah and ULCT. See Exhibit “A”. All results are online. **Courtney** - we will try and get funding to continue this in 2026. **Meri Pryor** - working for Intermountain for 30 years we did wellbeing surveys, are we comparing to other states or nations. Is there a question about enforcement of nuisance codes? **Courtney** - it is a Utah based survey at this time, we worked with 60 cities. There is not a specific question about nuisance, but there is an open-ended question, and we did hear a lot about trash and un-kept yards.

**CONSIDER A SINGLE EVENT ALCOHOL PERMIT FOR THE CEDAR CITY ELKS LODGE ON SEPTEMBER 14, 2024. CANDACE HOWES/CHIEF DARIN**

**ADAMS:** **Candace Howes** – we are looking to do another corn hole tournament to make some money. **Chief Adams** – background looks good. We give a positive recommendation. Consent.

**CONSIDER DISPOSING OF +/- 0.26 ACRES OF CITY OWNED PROPERTY IN THE VICINITY OF 2130 WEST HIGHWAY 56. AUSTIN ATKIN/PAUL**

**BITTMENN:** **Austin Atkin** – we own the neighboring 6 acres, we are planning a project on the 6 acres, it is adjacent to the Fastenal building. We noticed a portion owned by Cedar City and would like to utilize the portion if the city would dispose of it. There is a setback from the street and an easement, it is like 1,000 square feet of useable property. There is a storm drain inlet in the curb, that is the drainage easement. **Melling** - are there any plans. Unless we have a special purpose, I am ok to dispose of the property. **Paul** – I don’t know of any reason we are saving it. **Austin** – it goes out to the general public, if we don’t acquire the property can we get reimbursed for the appraisal? **Melling** – I don’t think so. **Austin** – it will improve our access. Consent.

**PUBLIC HEARING TO CONSIDER A DEVELOPMENT AGREEMENT WITH LEAVITT LAND FOR THE IRON HORSE RDO, +/- 1,090.43 ACRES LOCATED BETWEEN IRON HORSE ROAD AND CROSS HOLLOW ROAD. TYLER**

**ROMERIL/PAUL BITTMENN:** **Tyler Romeril**, Leavitt Land – this is the Iron Horse of property, we are looking at a development agreement that would cover a little over 1000 acres of that property. It would be contained on the south boundary at 1600 South which is also called Iron Horse Road and then to the north end by the substation and by Silver Silo. It is a 20-year agreement with a 10-year renewal, to graze sheep within a fenced area, we are interested and vested to keep those individuals living there happy, we will keep it to not disturb any residential use. It is zoned RA, it allows some agriculture use, although the zone doesn’t exist anymore. **Melling** – we don’t have sheep in the city limits. **Tyler** – it would allow us to run sheep 150 days a year, after doing this for 2 years we would qualify for the green belt. **Phillips** – if conditions change for some reason and you develop a portion sooner, does the agreement allow you to do that? **Tyler** - yes and then we would move the fence. **Melling** – they would then have to pay rollback taxes. **Phillips** – would there be any odor? **Cox** – In that environment you would not smell it, it wouldn’t be in the wet time of year.

**Tyler**- smell comes from concentration and we will not have corrals. We are on the other side of the crest of the hill, and it should be a barrier. **Melling** – you won't be able to run more than a few thousand. **Tyler** - it will be hundreds, but only 150 days a year. They will bring them down in the fall and then move them. If there is a nuisance, we will be wanting to correct the issues. **Phillips** - are there any legal ramifications? **Paul** - zoning keeps livestock out of residential areas in agriculture and industrial areas. The agreement covers that.

Mayor Green opened the public hearing. **Meri Pryor** - the water rights, where is the water in the area. **Cox** – they will have water trucks. **Melling** – they will pay retail water fees. **Tyler** – there will be a tank and the owner of the sheep will truck water. The hearing closed. Action.

**PUBLIC HEARING TO CONSIDER AN ORDINANCE AMENDING THE CEDAR CITY GENERAL LAND USE PLAN FROM MIXED USE (MU) TO HIGH DENSITY RESIDENTIAL (R-3-M) ON PROPERTY LOCATED IN THE VICINITY OF 170 SOUTH 100 WEST. PLATT & PLATT/PAUL BITTMENN:**

**PLATT & PLATT/PAUL BITTMENN:** the next three items will be discussed together. **Paul** - this is the property where the Garden House used to be, it has sat vacant for a number of years and is in a commercial zone. It is to allow high density residential for R-3-M, it is only .6 acres, they want high density but have something different, the Development Agreement only allow 8 units, each unit will be different, and the property will have walking paths. There will be 8 small rentals and they intend to go after professors as renters.

**Ray Gardner** – it is 132 feet wide and 198 feet deep. We are planning on 8 units; it is termed a pocket neighborhood. They are detached single family units for rent. **Phillips** - how has the drawing changed? **Ray** – we will put another unit where it says play and put smaller play areas. We will flip the plan, so the parking lot is on the north. I did it for better snow melt on the south, but the house on the end is tall, on the north side it connects with an existing parking lot, so we will probably flip it. **Melling** – I remember when it came to the council 5+ years ago and it was denied. I appreciate the request and the agreement with the parameters. I watched the Planning Commission, my understanding with this size of lot they cannot be individually owned. I like the pocket neighborhood concept, and I would like to see more options for private ownership in those. I think it will be a huge improvement in the area. **Ray** - they will be 900 square feet with two stories. **Phillips** – has there been any discussion with Mr. Higbee on saving the wall? **Ray** – the wrought iron fence we want to rehabilitate, it says what the old place was like. **Phillips** - given your record I think it is a great idea for this area. **Ray** – I grew up through the block from this property. It was sad to see that mansion deteriorate, and this will bring that idea back.

Mayor Green opened the public hearing for the 3 items. **Tom Jett** – this is what is the future and a fantastic idea, and if we had hundreds in our city, we would be better off. The hearing closed.

**PUBLIC HEARING TO CONSIDER CHANGING THE ZONE FROM CENTRAL COMMERCIAL (CC) TO HIGH DENSITY RESIDENTIAL (R-3-M) ON PROPERTY LOCATED IN THE VICINITY OF 170 SOUTH 100 WEST. PLATT & PLATT/PAUL BITTMENN:**

This item was discussed above. Action.

**PUBLIC HEARING TO CONSIDER ENTERING INTO A DEVELOPMENT AGREEMENT WITH SOUTHERN UTAH INVESTMENT HOLDINGS, LLC CONCERNING DEVELOPMENT OF 0.60 ACRES OF LAND IN THE VICINITY OF 170 SOUTH 100 WEST. PLATT & PLATT/PAUL BITTMENN:** this item was discussed above. Action.

**PUBLIC HEARING TO CONSIDER A GENERAL PLAN AMENDMENT FROM RURAL ESTATE RESIDENTIAL TO BUSINESS AND LIGHT MANUFACTURING ON PROPERTY LOCATED IN THE VICINITY OF 600 NORTH AND 3500 WEST.**

**PLATT AND PLATT/PAUL BITTMENN:** Items 7 & 8 will be discussed together. **Paul** - we are working on this annexation with Mr. Schmidt. The request is to facilitate zoning I&M-1 no gravel pits or smelly stuff. **Melling** - I thought this was the annexation petition process. **Paul** - you voted last week for the annexation. The first part was for 70 acres, but you voted on the east 30 acres, that is what you are looking to rezone. **Schmidt** - I&M-1 is a great zone, everything around this is already zoned I&M-1, it will square up the property, there is still 27 acres between this and Smead. We vacated the drainage on 800. The irrigation easement is now gone, and we are working on the road, it won't be done until next year. There is no access through the residential area. The detention pond is to the front of the property closest to U-56. We are trying to be proactive on water drainage.

Mayor Green opened the public hearing. There were no comments. The hearing closed

**Meri Pryor** - I need to leave, so can I ask a few things. I take 3 & 4 years olds to Discovery Park and they can't get on things, will there be things they can get on? **Anthony** - the bottom level is meant for the smaller children. **Meri** - I have kids that built a house in St. George and they have synthetic turf, it is 5 times hotter than grass, I think that will be a health issue.

**Melling** - it traps heat in the soil, but since it is elevated, it won't trap heat. **Phillips** - they have established these in other parks.

**PUBLIC HEARING TO CONSIDER CHANGING THE ZONING FROM ANNEX TRANSITION (AT) TO INDUSTRIAL AND MANUFACTURING – 1 (I&M1) ON PROPERTY LOCATED IN THE VICINITY OF 600 NORTH AND 3500 WEST.**

**PLATT AND PLATT/PAUL BITTMENN:** This item was discussed above. Action.

**CONSIDER BIDS FOR THE IRON WEST LIGHT BASES. KEN NIELSON/**

**ANTHONY PEARSON:** **Anthony Pearson**, Parks – MUSCO has done the lights at Fields at the Hills and at Little League, we can manage the lights from our phones. We would like to get these in before the park gets any further. I met with Kent, Shane and Aaron from Musco about the water table, they said it would work, it would be a disbursement instead of a straight shaft drill. We will schedule it when the ground is frozen. **Phillips** - shouldn't there be a light more centrally located by the restrooms and parking lot. **Anthony** - there will be lights in the parking lot to shift the direction needed. **Mayor** - is the wiring in? **Anthony** - the conduit is in, but not the wiring. This is just the light bases. **Phillips** – this is not the poles? **Anthony** - correct, when they put the pole in is when they will pull the wires. **Cox** – is this the only bid? **Paul** - it is off the state bid list. There is some equipment we have that we want to keep standardized, like Dorset for the Wastewater, Scada for the Water system, there are about 7 or 8 exceptions on the purchasing policy. Consent.

**CONSIDER AIP 051 ENGINEERING SERVICES, TASK ORDER AMENDMENT 1:  
TITLE VI PLAN FOR THE CEDAR CITY AIRPORT. TYLER GALETKA:**

**Tyler Galetka**, Airport Manager – this is a contract amendment for AIP-051 contract. Right now it is out for the snow removal equipment, we are adding an additional program that is required by the FAA to this grant program. The FAA approached us and said you need to have a Title VI non-discrimination plan for the Airport if you are going to accept any Federal monies, it is required by all airports in the US, but nobody did it across the nation, now they are cracking down on every airport. We have about \$60,000 left over in the AIP entitlement money for this year, we asked FAA to include this program in that and they said yes. We are going to spend \$47,625 of that money for Woolpert, our Engineering contract for the Airport. We are supposed to have a plan to show we are nondiscriminatory, that we engage with the community, that we engage with limited English proficient individuals, so we are required to do a study to make sure we are doing what we are supposed to be doing. **Paul** – what is the community participation plan. **Tyler** – it will come with training requirements for our staff and other staff around the airport and other tenants. The community participation plan breaks down numbers on how we will engage in the community and educate and reach out to special groups and it requires a yearly meeting at a minimum, and then also reaching out as an individual effort to engage with those individuals. **Phillips** - will this bring us into compliance? **Tyler** - Yes, we have a September 30 deadline for the initial plan for Title VI and December 31<sup>st</sup> for the community participation. **Cox** -what is the consequence? **Tyler** - we won't get our entitlement. **Paul** - those strings are already attached; they reattach every time we take a grant. **Tyler** – it is attached to all existing debt we have with the FAA.

Consent.

**CONSIDER PROPOSALS FOR ARCHITECTURAL SERVICES FOR THE  
DIAMOND Z ARENA ADDITION PROJECT. SCOTT CHRISTENSEN/JONATHAN**

**Stathis**: **Jonathan Stathis**, Senior Engineer – this project has been in the works for quite a while, it is an addition on the south side of the arena, it is an additional 22,600 square feet. In that addition they are looking at a warm-up arena for the animals, wash bays, new restrooms, meeting room and banquet hall and a catering kitchen, it is a lot of new amenities. Cross Hollow Event Center has received a private donation to start the project, they have \$514,000 and have some pledged donations that have not been received. In total, they are looking at \$1.8 million over the next two to three years that will be donated to the project. We went out for proposals; Desert Edge Architecture was the only bid for \$132,636. We were a little disappointed in only one proposal. **Riddle** - do you think since it is a little different building. I would think most would look and say they can't make much money. **Jonathan** - we got a lot of interest at first, but only one bid. We had been working with an architect previously with preliminary drawings, they were too busy to bid on the project. We have the funding available to move forward with the design. The construction will depend on when we get the actual funding in place. Several donations are pledged but not in place. **Phillips** – will letters of commitment help? **Paul** - the county pledged \$330,000 for the next 3 years, Mrs. LoPour has pledged additional donations and the Livestock Association has pledged. We will receive some of the money while the drawings are done, and we will see from there. **Jonathan** - we can do the concrete and shell and then do the interior at a later time. **Phillips** - the meeting room and banquet hall will be nice. **Mayor** - I wish it was bigger. **Phillips** - looking at the catering kitchen, is a 3 foot door wide enough? Look at that. Action.

**CONSIDER AN AGREEMENT WITH THE UTAH WATER QUALITY BOARD FOR THE SOUTHERN UTAH REUSE GRANT PROGRAM. JONATHAN STATHIS:**

**Jonathan Stathis**, Senior Engineer – we have been working on this for additional treatment at WWTP to treat from type 2 to type 1, we selected the pile cloth filters. We selected AE2S, we submitted it to the State for review and we as staff have been reviewing and are wanting to go to bid. There is funding from the Division of Water Quality, in the amount of \$1,254,000, our match is \$580,266, we will well exceed the match. The estimate is \$5.4 million. We have been through this with a fine-tooth comb, and we feel we are in a good place. There are some reporting requirements in the agreement. We do have the funding. We hope to have additional funding from other agencies. We are on the Water Quality Board agenda next week, we applied for additional funding, we hope to get some from them. We need to move forward with the agreement. We need to get it out to bid and awarded this calendar year. **Phillips** -if there are issues, we can get it fixed and still go out to bid. **Jonathan** - yes. **Paul** - AE2S has been good to involve the Water Quality Board as we move along. Consent.

**CONSIDER AN ENGINEERING STANDARDS REVISION TO ALLOW HDPE PIPE. JONATHAN STATHIS:**

**Jonathan Stathis**, Senior Engineer – this proposal is to add HDPE pipe to the Engineering Standards, we have ductile Iron and PVC C-900 now. This would allow a 3<sup>rd</sup> option for the DHPE PE4710 DR-11 as an option for 4" in diameter and above with a pressure rating of 200 psi and above. Two years ago, we looked at this closely and looked at chlorine degradation problems. We feel confident that the issues have been resolved. We will need a special fusion. The pipe comes in longer lengths, 40–50-foot lengths, you can fuse them together, it is National Science Foundation approved, it is lightweight, flexible and durable, it is corrosion resistant. **Cox** - the Water Conservancy District uses this pipe already. **Jonathan** – yes. The pipe we would use does not have the liner. We would need a tracer wire and a fusion welding machine. There are specifications that will be in the standards to show how applied and installed. We will be meeting with contractors on Friday to go over this. **Phillips** – what is equivalent to sand bedding?

**Jonathan** – a fine grain material, clay or something similar. It would be used if they got into a similar native material. **Cox** - these don't require as much blocking on the curves.

**Jonathan** - they don't have a thrust blocker, we discussed this quite a bit, it is because it is fused. The developer will have to decide if it is worth fusing. **Melling** - we are not likely to see this on projects with a number of laterals, it will be seen more in long runs, not subdivisions. **Jonathan** – yes, that is what we are hearing. We will discuss that more. We don't know if contractors will use it. They make fittings that transition. **Mayor** – all fittings are made in a heavier class; we will stick to DR-11. You can weld in a fitting rather than saddle it, it is better. **Cox** - when they get going, they will love this. **Jonathan** – it is good to give additional options. **Phillips** – how does the Water Department feel about this. **Jonathan** - they are in favor. **Mayor** - I want it for large diameter long runs. The machines are expensive, and I will suggest the city buy the machine, it comes on tracks and you drive it and you also get it on a skid track. It is a half million dollars. **Jonathan** – there are a few other detailed drawings that will be updated. Action.

**CONSIDER A PROPOSAL FROM HANSEN, ALLEN & LUCE FOR THE MASTER PLAN STUDY FOR CEDAR CANYON. JONATHAN STATHIS:**

**Jonathan Stathis**, Senior Engineer – this is budgeted in the current year for a more in-depth study of the Cedar

Canyon area. There are three things we are looking at in Cedar Canyon, the springs which we already capture, the issue is the treatment as required by the State, we are working on that. Wells, we have done some work to look at different options, we have looked at Martiin's Flat, we have looked at the shallow wells, there are other areas to look at such as Woods Ranch. Another option is the surface rights, no one has ever been able to tame the surface water in Coal Creek, but it is there. We also need to look at the pipeline and what size we need, and then possibly some energy production based on the gravity flow coming down the canyon. There is \$60,000 budgeted, Hansen, Allen & Luce provided a proposal, we can sole source engineering services, they did our master plan update, they proposed \$59,700.

**Melling** – as they look at these options, if we update the engineering details that can factor in up the canyon. **Jonathan** - yes, that is one reason we are considering that product. **Meri Pryor** – are you looking at the gypsum and the particles in the water. **Mayor** - we are working with them to use some of our water to control the dust. Consent.

**FIRE STATION ROOFING. MIKE PHILLIPS:** **Mike Phillips**, Fire Chief – during the budget you approved a partial roof at the fire station. During that process I made you aware that we had applied for a grant from GAF to get shingles for both of those buildings. GAF has provided the complete roofing system from the plywood up for two stations. We were budgeted for a parcel roof. **Phillips** - we should do one roof for sure. If we didn't do the north station, would the gift still be there. **Phillips** - GAF said we are shipping the singles to you. I don't have anywhere to store them. **Riddle** - it is a better project. **Phillips** - they will remove it and put the new ice shield on first. **Cox** – if we get the product free I would do them both. **Mayor** – the age of the singles on the one side had not deteriorated as much as the other. **Phillips** - the new portion is only 17 years old. **Cox** - it would be better to do it all when they are there. **Phillips** - I agree. Do we look at it in the budget revision. **Paul** - yes. This item will be included in the budget revision and will not be on the action meeting agenda.

**PUBLIC HEARING TO CONSIDER REVISIONS TO THE 2024-2025 FISCAL YEAR BUDGET. JASON NORRIS:**

**Jason Norris**, Finance – at council's request we posted for the budget hearing. The only two items I have are on behalf of the Mayor \$13,000 for the study to the chlorinator up the Canyon for the pilot project and the second item he requested was to build a \$300,000 structure to house that structure in the future. **Mayor** – the pilot program will be going for quite a while. We are having trouble right now; the springs are turned out now. Early in the spring I want to build the building, we are going to be successful with the filters and we will prove that before we build the building. **Phillips** – we don't want to build the building until we know it works. Where will the building go? **Mayor** - it will be determined, maybe where the chlorinator is now. **Phillips** - where will the money come from? **Jason** - from the water fund. We back filled it with general fund money. This will un backfill the funding sources, we will not be able to un-budget what we have in the general fund. **Paul** - the reason the public hearing was posted was the request from Youth Futures to receive a donation from Cedar City Corporation, they asked \$25,000, I proposed \$15,000 the level you have approved for other similar entities in the community, Family Support, Children's Justice Center and Care and Share. We need \$43,800 out of fund balance for the roof at the Fire Station. **Phillips** – we are so new in the year; I don't know where we are on sales tax. **Jason** - we are on budget, maybe a little ahead. **Melling** - Target stock is up; I don't know if they are selling more or things are costing more. **Mike** - it would be in the

operating funds. **Paul** - can we go to the partners and ask for more money, or do we have to pay all of it? **Mike** – we can ask next year.

Mayor Green opened the public hearing. **Kristin Mitchell**, Founder and Executive Director of Youth Futures. Youth Futures mission is to provide safe shelter collaborative resources, respectful guidance and diverse support to homeless unaccompanied and runaway youth in Utah. 85% of the kids we serve come from low-income households; over 60% face physical, emotional and sexual violence before they arrive at our doorsteps; and 65% of the youth that we see have attempted suicide. We provide overnight shelter, wraparound services, intensive case management, drop-in ongoing support services for approximately 700 runaway and homeless youth in Utah in a year. Since we opened in Cedar City, we have served 114 in shelter 24 kids in transitional living, we opened our doors to provide 821 drop in incidences, 679 case management services, 374 groups and opened our resource room 385 times to provide necessities to youth. Over the past 10 years about 80% of the youth we've served do not end up in the adult homeless system. We want to thank this incredible community, law enforcement, mental health providers, service providers that have supported us, we have had amazing support. We appreciate you opening up the budget amendment and would appreciate helping us with some financing. **Phillips** - do you have any follow-up data, as far as suicides? **Kristin** – currently we have zero, on attempt. **Ann Clark** - when this came up a few weeks ago, I went home and told my husband, he serves at the Bishop Storehouse, they will help, he went and talked to the Director, I have not checked back, go there, they are willing to help.

**Mayor** - the pond we wanted to build, I ran it by Mr. Burgess, he thinks it is best to run culvert from U-56 to the pond, we buy the pipe and he do the work. \$100,000 for culvert and then we have to build concrete boxes, which is another \$100,000 so it is \$180,000 to \$190,000 for the pipeline. **Phillips** – where will we get the money? **Mayor** – I don't think we will pump out of the pond, it needs to be deep enough to raise fish. Originally, we were going to water the ball fields. Our pond will stay full. **Melling** - the smaller the better for ball fields. **Paul Monroe** – what are the concrete boxes for? **Mayor** - a covered ditch from U-56 to the pond and you have to put concrete boxes that are square, \$11,500 each, it is just ditch water. **Melling** – is there any way to do it in an open ditch? **Paul M.** - can you do it in the ditch by SUU Farm? **Mayor** - we have talked about several options to get it out of the channel. **Paul B.** - you can gravity flow it from U-56. If you use the diversion you have to pump it over the levy.

Paul – we have 4 items on the revision, we have \$15,000 for Youth Futures, \$48,000ish for the Fire House, \$190,000 for Iron West and \$313,000 for the Canyon project

**Wendy Green** - looking at the diagrams, the ballfields facing that way, the balls will fly out towards the pond the other will go toward the eagle, we don't want to hit the eagle.

The public hearing was closed. Action.

**CONSIDER ENTERING A MEMORANDUM OF UNDERSTANDING WITH IRON COUNTY, ENOCH CITY, AND THE CENTRAL IRON COUNTY WATER CONSERVANCY DISTRICT FOR ONGOING FUNDING AND SUPPORT OF EFFLUENT REUSE PROGRAMS. PAUL BITTMENN:** **Paul** – this is a simple concept,

the effluent is contributed by Cedar City, Enoch and unincorporated Iron County, we are considering Iron County and the Water Conservancy District (WCD) as one entity. The idea is if we all contribute to the improvements on the filtration and future storage and pump and pipe system this is the basis of the memorandum so we can all use the effluent that comes out of it. It is non-binding; it is showing good will when we apply for funding with the Water Quality Board. **Phillips** - is this similar to the one we did a few weeks ago. **Paul** - that is a contract, they have the right to send the effluent to the WWTP, this is an MOU for goodwill to work together. **Mayor** – this is for the gadget to convert the water to type 1. **Paul** – as for the percentages, it is about 78% Cedar City 12% Enoch and 10% County. **Mayor** - they dump water in the plant, and we allow them to get some water out. The WCD sends the water, but it is because of the county. **Cox** - we can minimize the draw on the aquifer if we reuse and it is a benefit to all. **Phillips** - it is not binding. **Paul Monroe** – all of the other entities have already passed the MOU. The WCD does have grant money towards this, and additional for the pump station and some of the pipe. One of the parts of phase 2 it has to have an Ag component, and we are working with the Clarks on their center pivot so they can idle their groundwater wells and we can deliver water to them, that is part of phase 2, there is \$500,000 there and about \$2 million to go towards the next phase with the pump station. **Cox** - it is a benefit to the entire valley. Consent.

**CLOSED SESSION – PROPERTY NEGOTIATIONS & PENDING LITIGATION:**

Councilmember Phillips moved to go into closed session at 8:02 p.m.; second by Councilmember Melling; roll call vote as follows:

Robert Cox -	AYE
Tyler Melling -	AYE
Scott Phillips -	AYE
Ronald Riddle -	AYE

**ADJOURN:** Councilmember Phillips moved to adjourn at 8:42 p.m.; second by Councilmember Melling; vote unanimous.

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Renon Savage, MMC  
City Recorder



EXHIBIT "A"  
CITY COUNCIL – AUGUST 21, 2024



## Park Discovery

Cedar City, UT

24-14858A

Sales Representative



Equipment Manufacturer



POST & COMPONENT	ROTOMOLD PLASTIC	2-COLOR PLASTIC	ECO-ARMOR
Silver	Tropical Yellow	Forest Green-Sand	Brown
Beige	Chartreuse		
	Green		
	Graystone		
	Teal		
ROPE	Green	SHADE	Green

EXHIBIT "B"  
CITY COUNCIL – AUGUST 21, 2024



## Park Discovery

Cedar City, UT

24-14858A

Sales Representative



Equipment Manufacturer



POST & COMPONENT	ROTOMOLD PLASTIC	2-COLOR PLASTIC	ECO-ARMOR
Silver	Tropical Yellow	Forest Green-Sand	Brown
Beige	Chartreuse	Green	Graystone
	Green	Teal	
ROPE	2-COLOR PLASTIC	SHADE	
Green	Green	Green	



## Park Discovery

Cedar City, UT

24-14858A

Sales Representative



Equipment Manufacturer



POST & COMPONENT	ROTOMOLD PLASTIC	2-COLOR PLASTIC	ECO-ARMOR
Silver	Tropical Yellow	Forest Green-Sand	Brown
Beige	Chartreuse		
	Green		
	Graystone		
	Teal		
ROPE	Green	SHADE	Green



## Park Discovery

Cedar City, UT

24-14858A

Sales Representative



Equipment Manufacturer



POST & COMPONENT	ROTOMOLD PLASTIC	2-COLOR PLASTIC	ECO-ARMOR
Silver	Tropical Yellow	Forest Green-Sand	Brown
Beige	Chartreuse	Green	Graystone
	Green	Teal	
	ROPE	SHADE	
	Green	Green	

EXHIBIT "C"  
CITY COUNCIL – AUGUST 21, 2024

2024 | UtahStateUniversity



# Wellbeing in Cedar City

Reporting on Survey Findings  
Dr. Courtney Flint  
August 21, 2024

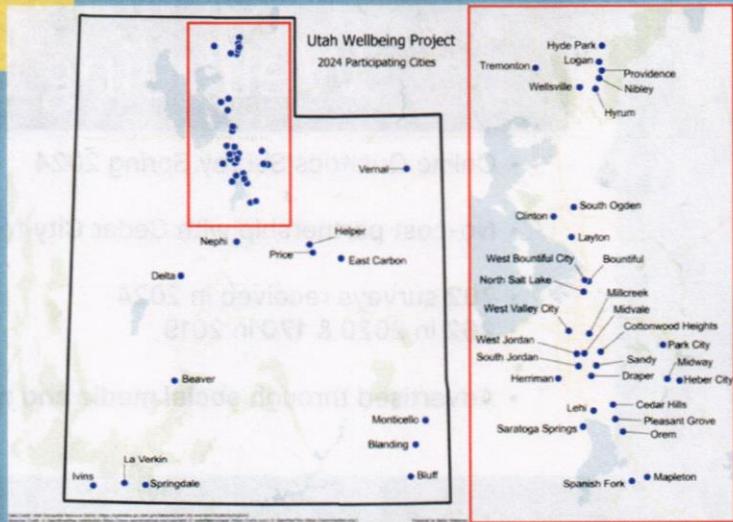
1

## Survey Project Goals

To provide Utah city and town leaders with information on the wellbeing and perspectives of residents to inform local planning processes and decision making.

To support comparative research on community wellbeing.

To support statewide and regional policy and planning efforts with data representing the lives of Utahns.



2

1

# City Reports Are Online Now!

[www.usu.edu/utah-wellbeing-project/](http://www.usu.edu/utah-wellbeing-project/)



3

## Cedar City Wellbeing Survey

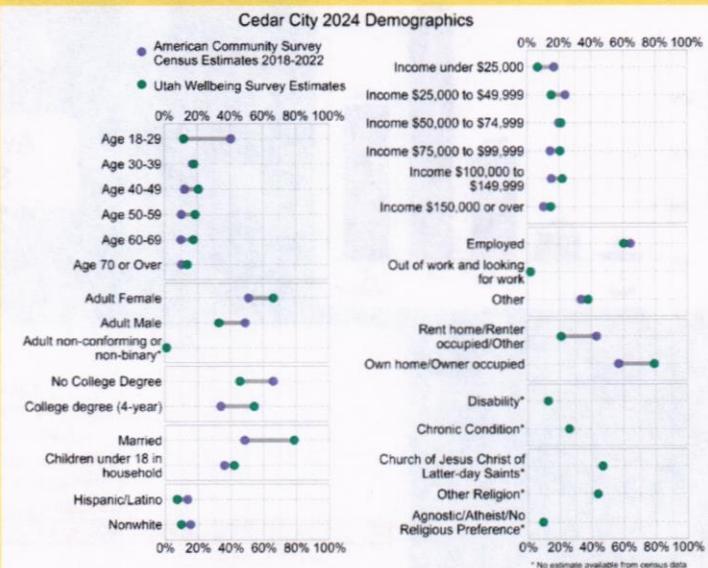
- Online Qualtrics Survey Spring 2024
- No-cost partnership with Cedar City for survey recruitment
- **762** surveys received in 2024
- **262** in 2020 & **170** in 2019
- Advertised through **social media and newsletters**

4

2

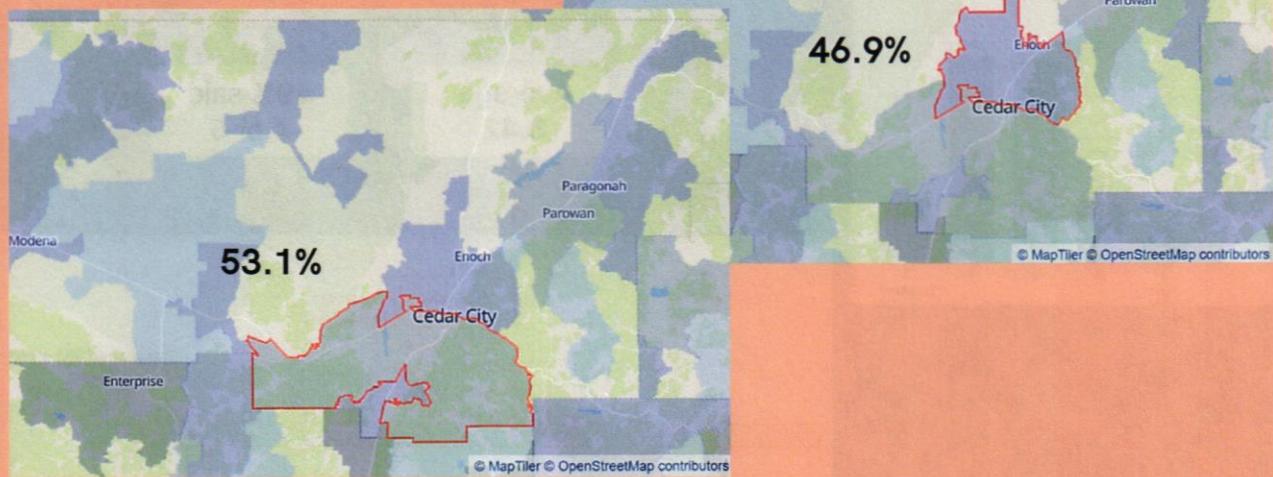
# Demographics

- **98.2% Full Time Residents**
- Average Length of Residence: **17.1 Years**
- Lived in Cedar City 5 Years or Less: **32.3%**
- **Survey underrepresents**
  - Age 18-29
  - Men
  - Those without a college degree
  - Renters



5

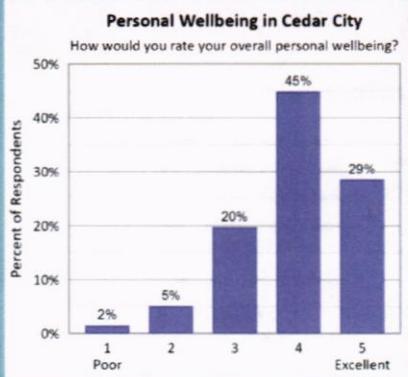
# Geography



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# Personal Wellbeing in Cedar City



Average  
**3.94**

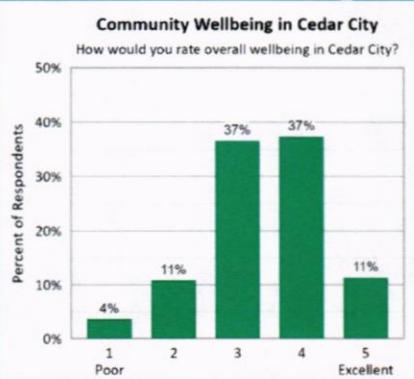
**73%** said  
4 or 5

Cluster Average	
4.33	•Cedar Hills
4.29	•Cottonwood Heights
4.22	•Draper
4.22	•West Bountiful
4.13	•Bountiful
4.08	•North Salt Lake
4.07	•Pleasant Grove
4.04	•South Ogden
3.94	•Cedar City
3.71	•Midvale
3.66	•Logan

Established/Mid-sized Cities

7

# Community Wellbeing in Cedar City



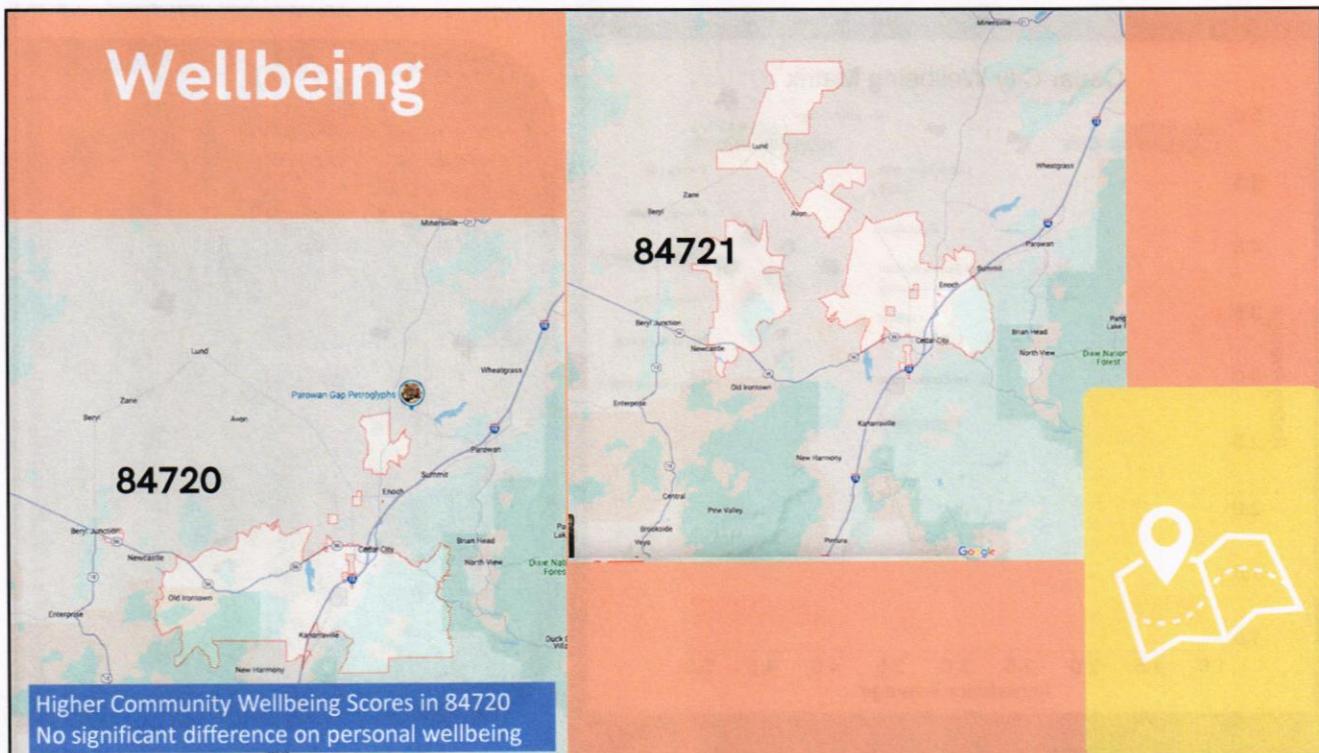
Average  
**3.42**

**49%** said  
4 or 5

Cluster Average	
4.15	•Cedar Hills
4.03	•Draper
4.00	•West Bountiful
3.90	•Cottonwood Heights
3.84	•Bountiful
3.75	•North Salt Lake
3.72	•South Ogden
3.61	•Pleasant Grove
3.42	•Cedar City
3.24	•Midvale
3.18	•Logan

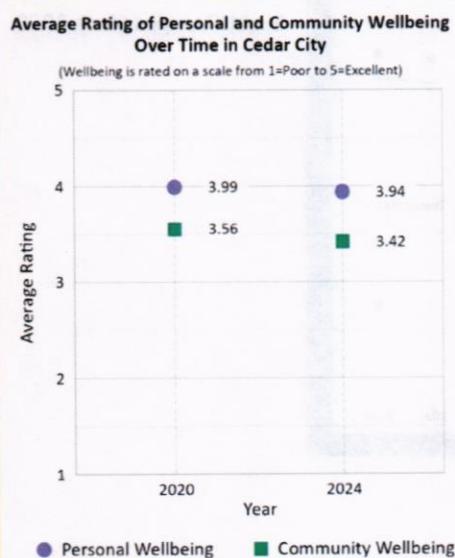
Established/Mid-sized Cities

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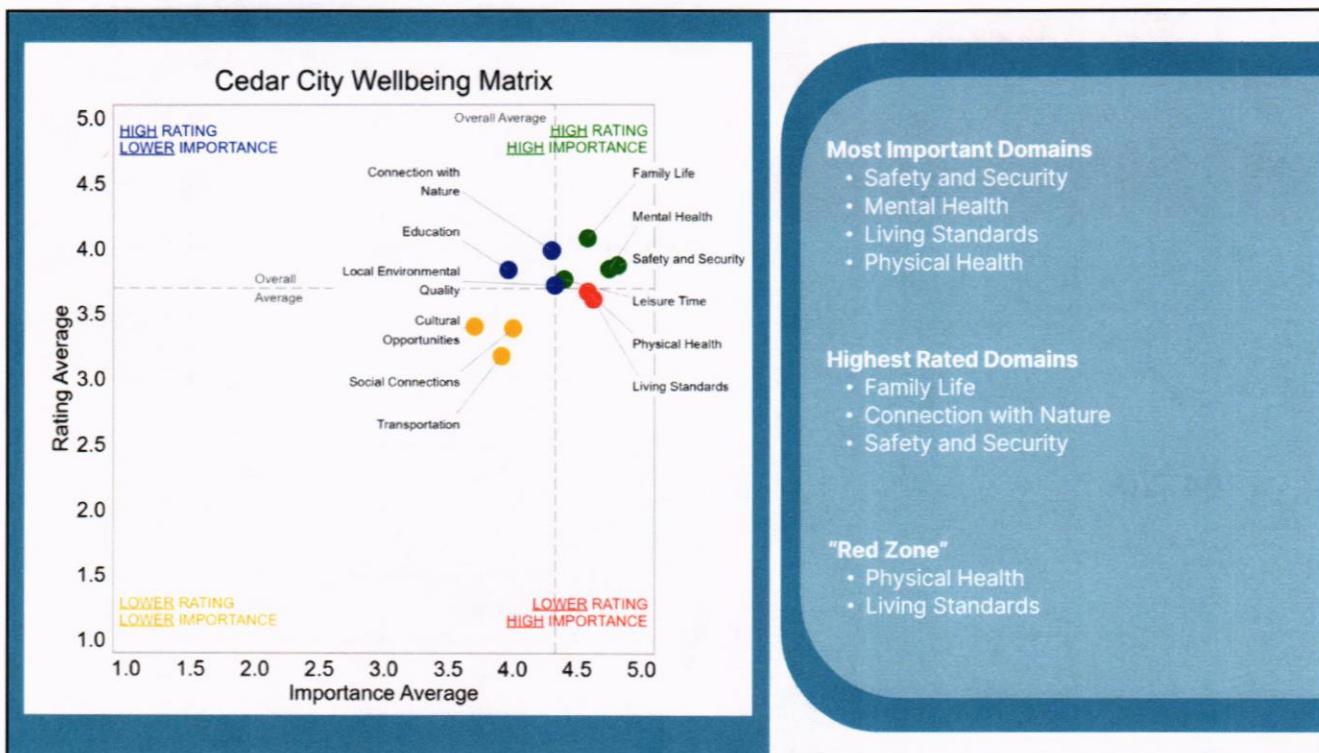
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## Change Over Time

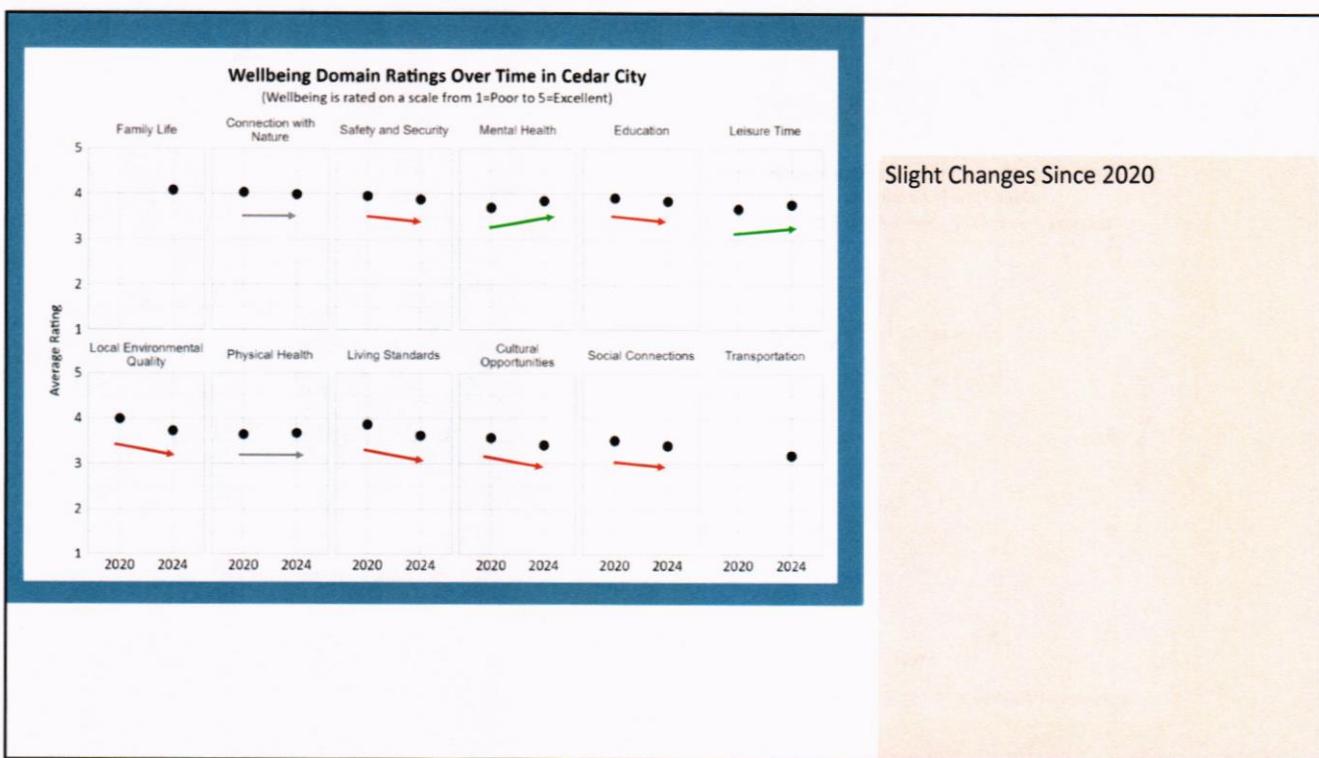


Scores are down slightly since 2020 for both overall personal wellbeing and community wellbeing

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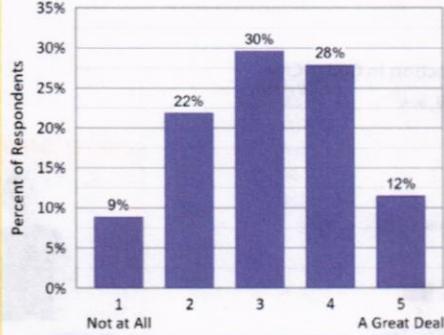


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# Community Connection in Cedar City

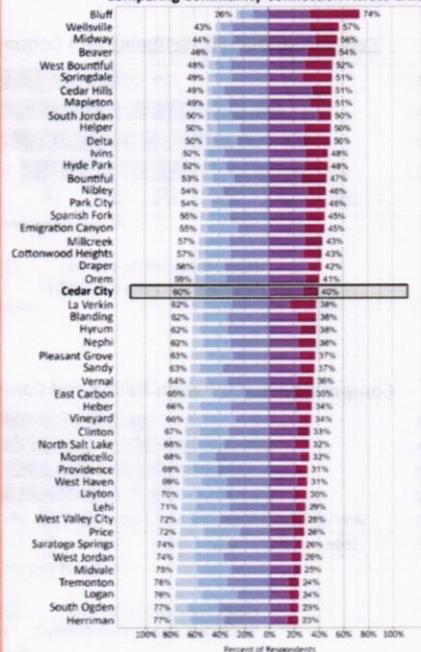
## Community Connection in Cedar City

How connected do you feel to Cedar City as a community?



\*Community connection stayed consistent over time

## Comparing Community Connection Across Cities



How connected do you feel to your city as a community?

Not at All 1 2 3 4 5 A Great Deal

13

# Community Connection

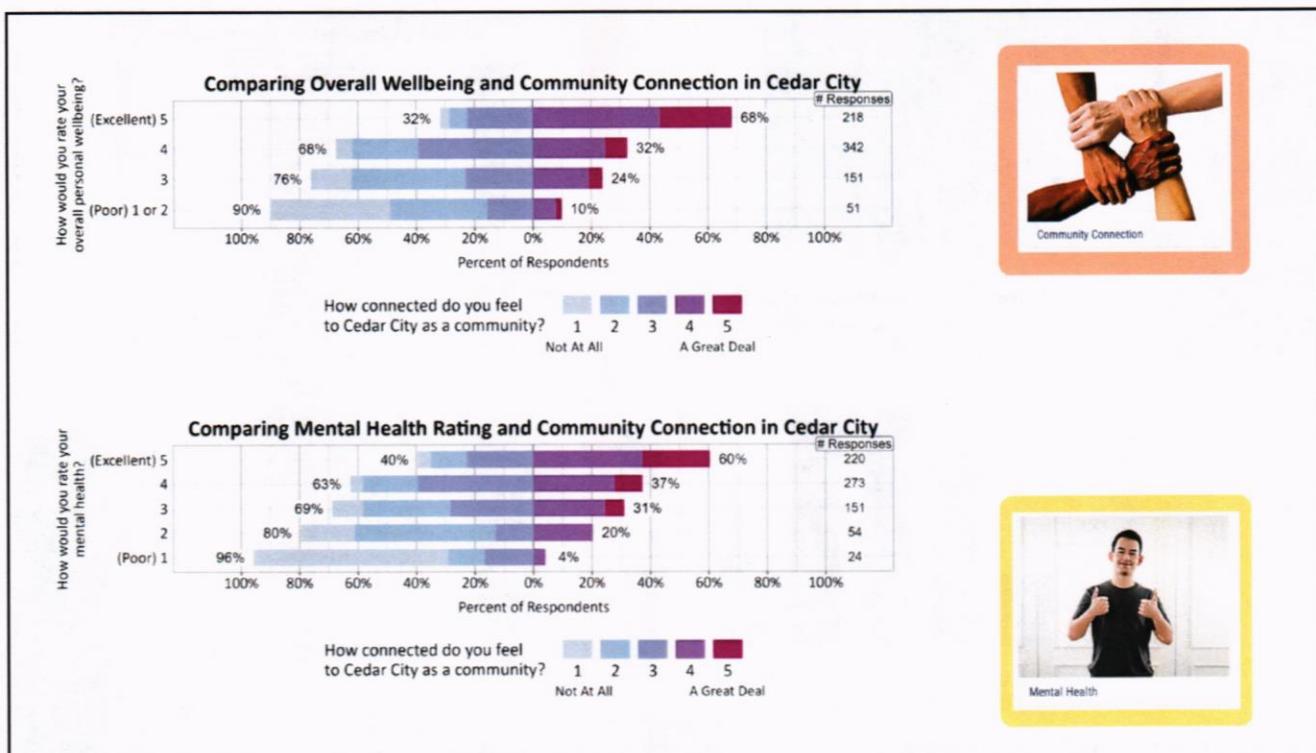
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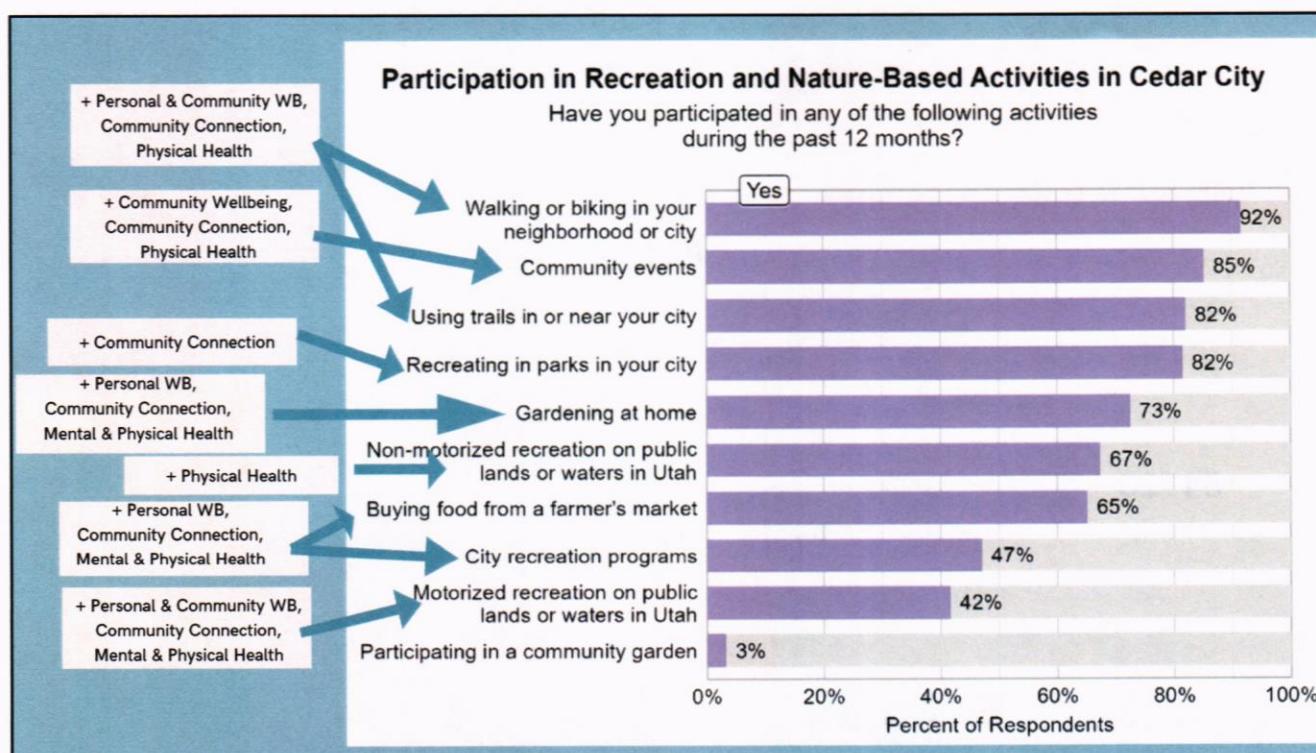
Higher Community Connection Scores in 84720



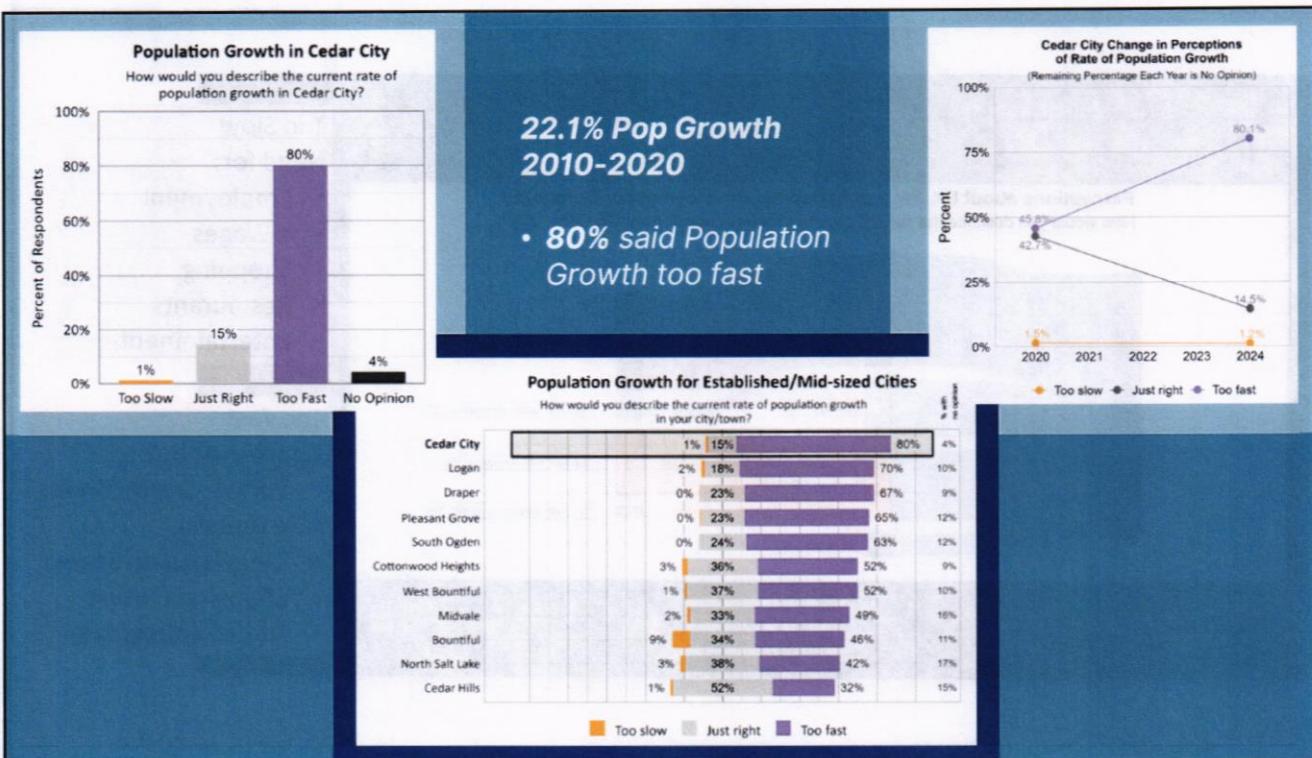
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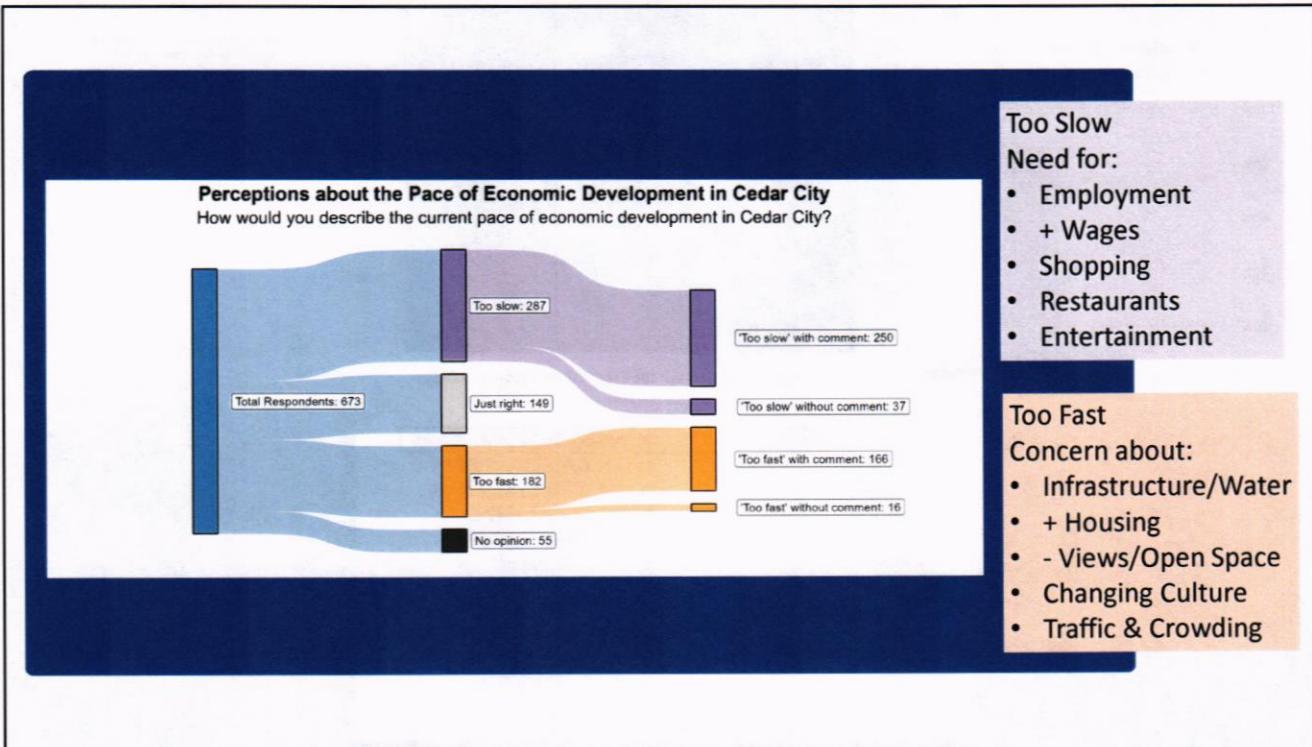
16



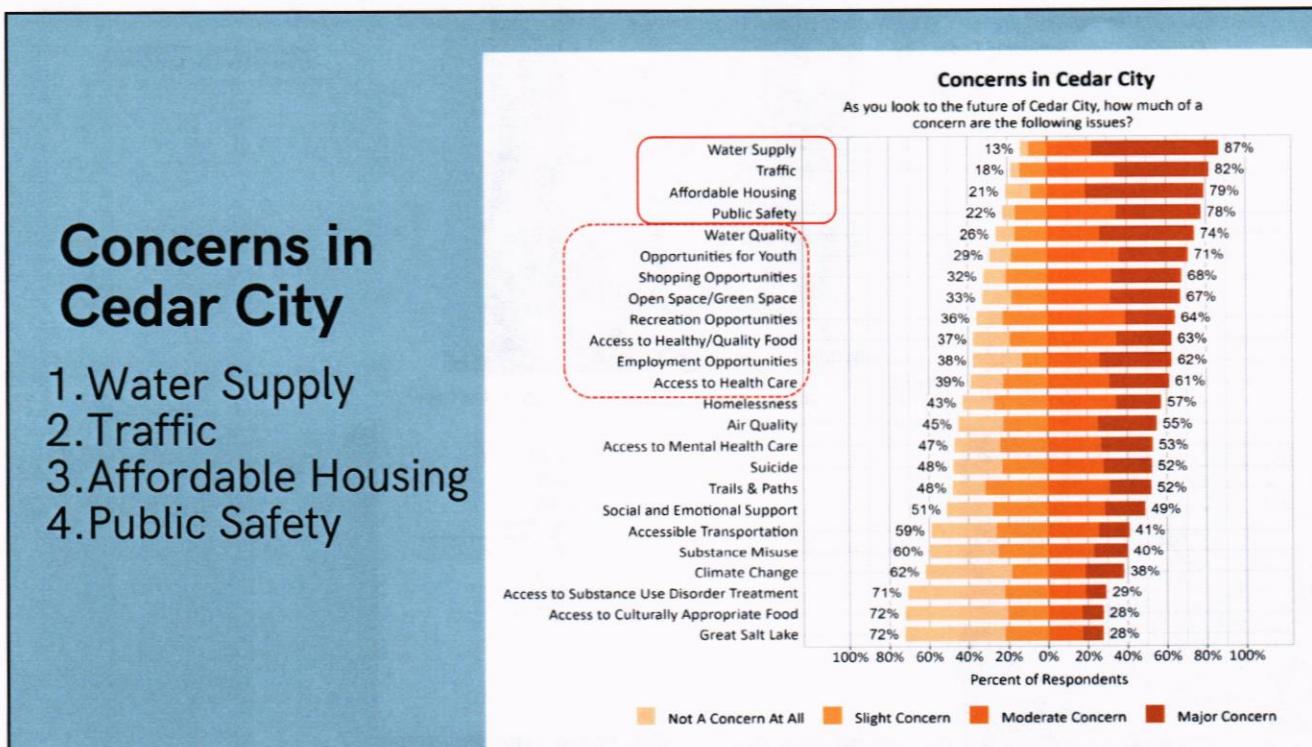
17



18



19



20

# What do people value about Cedar City?

- People
- Friendliness
- Community
- Nature
- Recreation



21

# What could be done to improve wellbeing in Cedar City?

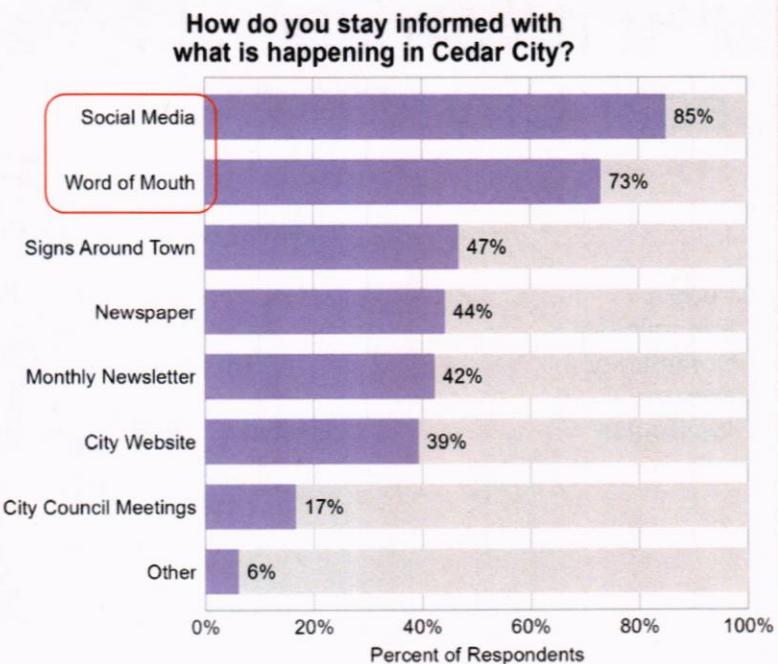
- Slowing growth and development
  - Traffic and transportation
  - Infrastructure
- Address limited water resources
- More retail options
  - Grocery stores

## Additional Comments

- Growth and development
- Increased population
- Safety
  - Drugs
  - Graffiti
- Social issues
  - Political contention
  - Social climate

22

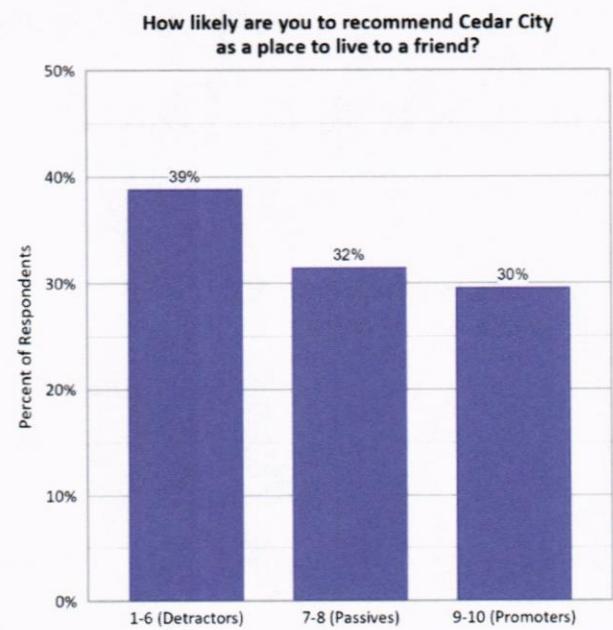
## Modes of Communication



23

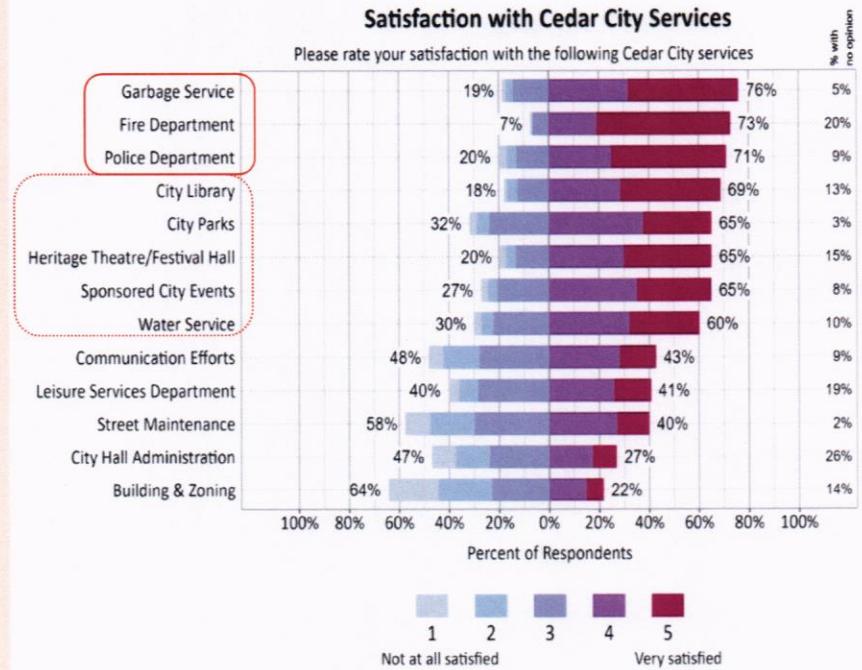
## Likelihood to Recommend Cedar City as a Place to Live

Net Detractor Score -9.



24

# Satisfaction with Services



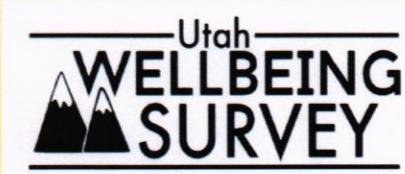
25

## Thank you!



Let us know if you have any questions.

Courtney Flint  
[courtney.flint@usu.edu](mailto:courtney.flint@usu.edu)  
 435-797-8635



26

COUNCIL MINUTES  
AUGUST 28, 2024

The City Council held a meeting on Wednesday, August 28, 2024, at 5:30 p.m. in the City Council Chambers, 10 North Main Street, Cedar City, Utah.

**MEMBERS PRESENT:** Mayor Garth O. Green; Councilmembers: Robert Cox; W. Tyler Melling; R. Scott Phillips; Ronald Riddle; Carter Wilkey.

**STAFF PRESENT:** City Manager Paul Bittmenn; City Attorney Randall McUne; City Recorder Renon Savage; Finance Director Jason Norris; City Engineer Kent Fugal; Police Chief Darin Adams; Fire Chief Mike Phillips; Fleet Manager Corey Childs; Airport Manager Tyler Galetka.

**OTHERS PRESENT:** Tom Jett, Ann Clark, Meri Pryor, David Mineer, Pastor Bob Sharp, Wendy Green, Tyler Romeril, Zach Adams, Ryan Turk, Bob Platt, Phil Schmidt, Jeff Richards.

**CALL TO ORDER:** Pastor Bob Sharp of the Trinity Lutheran Church gave the invocation; the pledge was led by Jason Norris.

**AGENDA ORDER APPROVAL:** Councilmember Phillips moved to approve the agenda order for the action meeting moving item #7 from consent to action and also approving the amended work agenda; second by Councilmember Melling; vote unanimous.

**ADMINISTRATION AGENDA – MAYOR AND COUNCIL BUSINESS; STAFF**

**COMMENTS:** **■Mayor** I am going to read a few letters that I want to read regarding the police department. See attached as Exhibit "A". **Zach Adams** – we couldn't do that without our police officers in the city, we are small and are in three counties, we rely on all the deputies and patrol officers in Cedar as well as all the jurisdictions, they help us with search warrants and all kinds of things, without them that wouldn't be possible. Agent Ryan Turk is here with me; he is my right-hand man. **Phillips** - how and why were you selected? **Zach** – it is off stats. The amount of money and assets we seized. We were against major gang task forces. Utah County has 30 guys and seized 110 guns and we had 2 guys and seized 104 firearms and assisting UHP on their loads. It comes down to stats. What we do per capita is impressive. **Mayor** – there is also a letter from Lisa Haring about Officer Hottell that I will read. Attached as part of Exhibit "A". **Phillips** – it speaks to the kind of officers we have. **Mayor** – this morning Jonathan and I sat in a meeting with Utah Water Quality, we got an additional grant of \$297,000 for the cloth filter gadget. The well below Milts has not performed well, low turnout and the TDS is 1500. We were going to drill several small wells, right now we pulled off of that project. We are getting good reports Del Norte (Mud Springs), the rig is pulled off, the pump truck will be here to start pumping on the 4<sup>th</sup>. **Phillips** - are we abandoning the canyon project? **Mayor** - the one below Milts, yes. **Melling** - that was going to be the easiest one. **Mayor** - Last week when I brought up the pond at Iron Springs, you said we want the one that was the largest, I left not knowing which one we wanted. **Wilkey** - I wasn't here, but the idea is the water will go into the collection and drainage pond and then to the irrigation pond. **Mayor** - that pond would be built by Mr. Burgess, he wants to put a pivot out there, he wants three or four sources of water to put in that collection pond. We want to drill a well and put water in it from some of his rights to keep his property in the green belt. We have a large amount of Coal Creek Irrigation, we got some from him that we think we can bring down and put in that pond, we also have other irrigation rights and the WWTP water type 1 that can be put in at Airport Road in Coal Creek at U-56 to the pond, that pond will go up and down and will get the runoff from his subdivision. We will use that as a collector and move water to our pond when needed and water our grass from that pond. That becomes more esthetic in nature. We need to have a deep enough pond to keep the fish alive and have it for recreation. **Wilkey** - does Coal Creek go to the South? **Mayor** - yes, but it serves the Leigh farm. **Wilkey** - why pull it off Hwy 56 if we can pull off that pond. **Paul** - because we would have to go over a big berm that would have to be pumped if we come off Hwy-56 it would gravity flow. **Mayor** – there is a drainage to drain his subdivision and have a collector, that won't handle our irrigation

water. There will be another culvert along the side of that to bring the irrigation water off 56 to the pond. The Hwy 56 water will be irrigation water and the WWTP water will be culinary. **Wilkey** - do we own this property? **Mayor** - where the pond is going, we do. **Paul** - the boundary of our property is shy of the west end of the pond. **Mayor** - he will deed more to us if needed. I don't know if the drainage pond will be ours or not. **Wilkey** - you want a design. **Mayor** - do you want to go that far west with the pond. **Melling** - do you care about the capacity of the pond, I wonder if we just follow where the eagle is, the capacity would be similar to what was discussed last week. If we are 12 feet deep that should give us 16–22-acre feet. **Phillips** - how deep is the Lake at the Hills? We have fish die when it is hot. **Mayor** - keep fresh water coming and going. **Melling** - the closer to hugging the banks the more room for ball fields. **Mayor** – one other item, we have the school district meeting Friday at noon in this room. ■**Phillips** - tomorrow night we have our Community Slow Roll as part of Active Transportation, this one will be at Iron Spring Elementary, it is stem night, they have the STEM team from the University and two high school STEM teams will be there. There will be non-profits there, we will be going around the walkway, it starts at 5:30, bring your bike, trike, your scooter or whatever you want, it is not a race, it is a slow roll, we will have water and Gatorade. We hope to have a good turnout, especially from the west part of town. We had the Youth City Council clean up last Saturday and cleaned one of the large flower beds at the cemetery and we picked up trash in the wind, they did a great job. As a reminder, we don't have a meeting next week because we will be at the Utah League of Cities and Towns meetings in Salt Lake. ■**Wilkey** - I want to thank the Chief for property that got cleaned up, I do have a concern with the one on Airport Road, there are 2 new cars and two couches piled up. **Chief Adams** - the gentleman we talked to has got most things out and asked for an extension. ■Swear in Sergeant Jake Hoyt and Police Officer I Gino Perez. **Chief Darin Adams** – we have newly promoted Sergeant Jake Hoyt when Orton retired and Gino Perez who is a new officer. **Jake Hoyt** - thanks for what you do for our department. We are getting good new officers. Here tonight is my dad, wife and kids. **Gino Perez** – I am coming from St. George Police Department, I am getting my masters from SUU, my wife Jeannie is here, she wants to open an animal sanctuary. I am grateful for the opportunity to come here and look forward to serving the community. I served just under 2 years with St. George and a few months with LaVerkin. Renon Savage administered the oath of office. Their wives pinned their badges.

**PUBLIC COMMENTS:** ■**Meri Pryor** – I was disappointed about the wellbeing survey; I want you to understand how important that survey is. In 2010 there was a Well Being book and the Intermountain employees had to study that book and we had conferences on that. In the survey a couple of things went down from 2022, they are safety and security, living standards and the satisfaction of Cedar City services, Building and Zoning and City Hall were on the lower scale. People that don't consider wellbeing end up at the hospital. A couple of things coming up will affect that. The gas station on Main Street, I was on a committee with Harold Hiskey and when you don't protect the downtown you lose the integrity. We had a lot of patients come to the hospital because of benzene, it is a cancer hazard. Gas stations have toxic fumes, increase in crimes, alcohol, toxic poisoning and the wind blows in Cedar City and will blow that to the City Park and Tiki Shack, that is an issue that will come up. I saw on the news a pedestrian was run over at the Maverik at the Bowling Alley, there are a lot of safety issues. The other issue is the impact of mining and the consequences there. I don't know how many reports you have studied, but they are important, the corner needs to be a historic site and I think it meets the criteria. It is a safety and wellbeing issue of the community. I spent 30 years at the hospital and have seen a lot of car accidents from that corner. **Phillips** - we are looking at the survey and are concerned about services going down and we want to focus on and improve. **Meri** – have you studied the traffic from Cache Valley Bank **Phillips** - UDOT has done that. **Meri** - the Inland Port will create more traffic with the trucks taking the mining to the trains.

**CONSENT AGENDA: (1) APPROVAL OF MINUTES DATED AUGUST 7 & 14 2024; (2) RATIFY BILLS DATED AUGUST 16, 2024; (3) APPROVE A SINGLE EVENT ALCOHOL PERMIT FOR THE CEDAR CITY ELKS LODGE ON SEPTEMBER 14, 2024. CANDACE**

**HOWES/CHIEF DARIN ADAMS; (4) APPROVE DISPOSING OF +/- 0.26 ACRES OF CITY OWNED PROPERTY IN THE VICINITY OF 2130 WEST HIGHWAY 56. AUSTIN ATKIN/PAUL BITTMENN; (5) APPROVE THE BID FROM MUSCO IN THE AMOUNT OF \$ 174,975 FOR THE IRON WEST LIGHT BASES. KEN NIELSON/ANTHONY PEARSON; (6) APPROVE AIP 051 ENGINEERING SERVICES, TASK ORDER AMENDMENT 1: TITLE VI PLAN FOR THE CEDAR CITY AIRPORT. TYLER GALETKA; (7) APPROVE AN AGREEMENT WITH THE UTAH WATER QUALITY BOARD FOR THE SOUTHERN UTAH REUSE GRANT PROGRAM. JONATHAN STATHIS; (8) APPROVE THE PROPOSAL FROM HANSEN, ALLEN & LUCE IN THE AMOUNT OF \$59,700 FOR THE MASTER PLAN STUDY FOR CEDAR CANYON. JONATHAN STATHIS; (9) APPROVE ENTERING A MEMORANDUM OF UNDERSTANDING WITH IRON COUNTY, ENOCH CITY, AND THE CENTRAL IRON COUNTY WATER CONSERVANCY DISTRICT FOR ONGOING FUNDING AND SUPPORT OF EFFLUENT REUSE PROGRAMS. PAUL**

**BITTMENN:** Wilkey - item #8 does that not include things for the well we are not going to use? **Melling** - can we authorize staff to narrow the scope. **Mayor** - we want them to give us more information. They know of our interest, but they will look at Martin's Flat to see how much water it will produce. We hope they have more ideas we haven't thought of.

Councilmember Phillips moved to approve the consent agenda items 1 through 6 and 8 and 9 as written above; second by Councilmember Melling; vote unanimous.

**APPROVE AN AGREEMENT WITH THE UTAH WATER QUALITY BOARD FOR THE SOUTHERN UTAH REUSE GRANT PROGRAM. JONATHAN STATHIS:** **Paul** - the original grant was \$1.3 million, the Water Quality Board sent money to a community outside of Delta to do work in Sherwood Shores and they said no thank you, so the Water Quality Board split that money between Cedar City and St. George, they want to do an amendment to add \$297,900 to our grant. **Wilkey** - does our match amount change? **Paul** - the project will be over \$4 million, so we will far exceed the match.

Councilmember Melling motioned to approve the contract and amendment; second by Councilmember Wilkey; vote unanimous.

**CONSIDER A RESOLUTION APPROVING A DEVELOPMENT AGREEMENT WITH LEAVITT LAND FOR THE IRON HORSE RDO, +/- 1,090.43 ACRES LOCATED BETWEEN IRON HORSE ROAD AND CROSS HOLLOW ROAD. TYLER ROMERIL/PAUL BITTMENN:** **Tyler Romeril**, Development Team – nothing has changed since last week. **Wilkey** - I understand the sheep will be there in the spring and part in the fall. **Tyler** - This year it will all be in the fall. **Phillips** - if portions of the development move faster than anticipated you can adjust the agreement with the farmer? **Tyler** - yes, most will be portable electric fencing. I want to thank the Fire Department, there was a spark thrown from a car in the subdivision and had they not been there quickly it would have been a problem.

Councilmember Phillips moved to approve the development agreement with Leavitt Land for the Iron Horse RDO, +/-1,090.43 Acres located between Iron Horse Road and Cross Hollow Road; second by Councilmember Melling; vote as follows:

AYE: 5  
NAY: 0  
ABSTAINED: 0

**CONSIDER AN ORDINANCE AMENDING THE CEDAR CITY GENERAL LAND USE PLAN FROM MIXED USE (MU) TO HIGH DENSITY RESIDENTIAL (R-3-M) ON PROPERTY LOCATED IN THE VICINITY OF 170 SOUTH 100 WEST. PLATT &**

**PLATT/PAUL BITTMENN:** Bob Platt – nothing has changed. Wilkey - we won't see this again? Paul - not the subdivision. Phillips - I have met with Mr. Gardner and I trust it will be a good development.

Councilmember Melling moved to approve the ordinance amending the General Land Use Plan from Mixed Use to High Density Residential (R-3-M) for property located in the vicinity of 170 South 100 West; second by Councilmember Cox; roll call vote as follows:

Robert Cox	-	AYE
Tyler Melling	-	AYE
Scott Phillips	-	AYE
Ronald Riddle	-	AYE
Carter Wilkey	-	AYE

**CONSIDER AN ORDINANCE CHANGING THE ZONE FROM CENTRAL COMMERCIAL (CC) TO HIGH DENSITY RESIDENTIAL (R-3-M) ON PROPERTY LOCATED IN THE VICINITY OF 170 SOUTH 100 WEST. PLATT & PLATT/PAUL BITTMENN:**

Councilmember Melling moved to approve the ordinance changing the zone from Central Commercial (CC) to High Density Residential (R-3-M) for property located in the vicinity of 170 South 100 West; second by Councilmember Phillips; roll call vote as follows:

Robert Cox	-	AYE
Tyler Melling	-	AYE
Scott Phillips	-	AYE
Ronald Riddle	-	AYE
Carter Wilkey	-	AYE

**CONSIDER A RESOLUTION APPROVING A DEVELOPMENT AGREEMENT WITH SOUTHERN UTAH INVESTMENT HOLDINGS, LLC CONCERNING DEVELOPMENT OF 0.60 ACRES OF LAND IN THE VICINITY OF 170 SOUTH 100 WEST. PLATT &**

**PLATT/PAUL BITTMENN:** Councilmember Melling moved to approve the resolution approving a development agreement with Southern Utah Investment Holdings LLC, concerning the development of .60 Acres located in the vicinity of 170 South 100 West; second by Councilmember Cox; vote as follows:

AYE: 5  
NAY: 0  
ABSTAINED: 0

**CONSIDER AN ORDINANCE AMENDING THE GENERAL PLAN FROM RURAL ESTATE RESIDENTIAL TO BUSINESS AND LIGHT MANUFACTURING ON PROPERTY LOCATED IN THE VICINITY OF 600 NORTH AND 3500 WEST. PLATT AND**

**PLATT/PAUL BITTMENN:** Phil Schmidt – a lot of the surrounding is I&M. Paul – the corresponding General Plan is I&M-1. Wilkey – the entire piece isn't I&M. Phil - we kept 27 acres that has not annexed yet.

Councilmember Cox moved to approve the ordinance amending the General Plan from Rural Estates Residential to Business and Light Manufacturing for property located in the vicinity of 600 North 3500 West; second by Councilmember Melling; roll call vote as follows:

Robert Cox	-	AYE
Tyler Melling	-	AYE
Scott Phillips	-	AYE

Ronald Riddle	-	AYE
Carter Wilkey	-	AYE

**CONSIDER AN ORDINANCE CHANGING THE ZONING FROM ANNEX TRANSITION (AT) TO INDUSTRIAL AND MANUFACTURING – 1 (I&M1) ON PROPERTY LOCATED IN THE VICINITY OF 600 NORTH AND 3500 WEST. PLATT AND PLATT/PAUL**

**BITTMENN:** Councilmember Cox moved to approve the ordinance zone from Annex Transition (AT) to Industrial & Light Manufacturing-1 (I&M-1) for property located in the vicinity of 600 North 3500 West; second by Councilmember Melling; roll call vote as follows:

Robert Cox	-	AYE
Tyler Melling	-	AYE
Scott Phillips	-	AYE
Ronald Riddle	-	AYE
Carter Wilkey	-	AYE

**CONSIDER PROPOSALS FOR ARCHITECTURAL SERVICES FOR THE DIAMOND Z ARENA ADDITION PROJECT. SCOTT CHRISTENSEN/JONATHAN STATHIS:**

Councilmember Melling moved to approve the proposal for architectural services from Desert Edge in the amount of \$132,636 for the Diamond Z Arena Addition project; second by Councilmember Phillips; vote unanimous.

**CONSIDER A RESOLUTION REVISING SECTION 4.2.1, DETAIL W1A, AND DETAIL W2 OF THE CITY ENGINEERING STANDARDS REGARDING HDPE PIPE. JONATHAN STATHIS:**

**STATHIS:** Kent – we had a good meeting with interested parties, and we had good feedback and are working on some changes. We will bring it back on September 11<sup>th</sup>.

Councilmember Wilkey moved to table this item to September 11<sup>th</sup>; second by Councilmember Melling; vote unanimous.

**CONSIDER A RESOLUTION REVISING THE 2024-2025 FISCAL YEAR BUDGET. JASON NORRIS:**

**Jason** – we added since last week \$15,000 for Youth Futures, \$48,300 for fire station reroofing, 190,000 for Iron West Parks Pond, we had been awarded a grant for design work in the amount \$410,000 for work on the dikes, it is fully funded by NRCS. **Paul** - they will ask for money for construction. **Phillips** - is this different than Coal Creek? **Paul** - yes, that was rip rap, this is for the dikes at Greens Lake. **Jason** – last week I presented \$13,000 pilot study for the filter system and the \$300,000 for a building up the canyon and Youth Futures for \$15,000. The council instructed the other and I am bringing the NRCS. **Wilkey** – how much is the one up the canyon? **Paul** - \$300,000 for the building and \$13,000 for the trailer. **Wilkey** - I have concerns with a few, the \$300,000 seems early, we don't know if it will work, where it will go or the size of the building, why not wait. **Cox** - the chlorinator needs to be done. **Mayor** - we are trying to push it because we have problems with the spring water in the canyon. We will run the study in the canyon with the replaceable filter. The plan is to put that in, we believe it will be successful, run it through the fall and winter and have a good idea what it will do for us. 1,200 gallons a minute from the springs, when they are turned out it is heartbreaking, we are trying to push it. As soon as we have the go ahead from the state we want to start, I hope that is next spring. **Cox** - we still have to approve a bid on the building. **Wilkey** - don't we have to test it for 12 months? **Mayor** - we will take the test results daily. **Wilkey** - will the State allow us to move forward before 12 months. **Phillips** - we very likely will need the building, but we can open the budget for revisions any time. I would rather wait a few months and try and figure out where the building will be located and do the engineering and within 2 weeks, we can amend the budget. We have spent so much money. I do have concerns and I would like the test results first. **Melling** - as far as test results go, not using our spring water is far too much water not to use, we will filter and use it. I would like to have a shipping container on a concrete pad and call it good. **Mayor** -

this is too big. **Melling** - get a few shipping containers. **Cox** - do we know what we need? **Mayor** - a 30 x 40 building. **Cox** - is it \$150,000 or what for the filter. **Wilkey** - I think it will cost more than \$300,000, I think we should wait until we know. **Phillips** - in general, we have about 5 or 6 items, do we take them all at once or can we be deductive. **Jason** - you can deduct if you want. **Cox** - does it need to be done now? **Mayor** - we could wait, but if we engineer it will be a million-dollar building, we could do a pre-engineered metal building. If we had this online, we wouldn't be running the water down the creek. **Cox** - I don't think we have enough information yet. **Wilkey** - are you suggesting we start the building now? **Mayor** - no, we can start figuring out where and how to build, but the sooner the better when we have the State approval. **Cox** - do we know if the State will require 12 months? **Mayor** - I don't think so, I hope we have it by spring. Your point is well taken. A metal building is low cost to build a building. We could put it in containers, but I don't think it is accessible, I think it should be a building. **Wilkey** - I would think the State will require an engineer with the pipe coming in and out. **Mayor** - I don't think so. We have a building at the WWTP that costs more because of the engineers because we chose to go through the state. There are two technologies to clean this up and one is simple, and one is complicated, it is technology that is problematic. We need to run this test, 1" of water and we will test it daily, it is time, every day we delay we lose a lot of water 1,200 gallons per minute. I wouldn't start engineering; they told us a 30 x 40-foot building is what we would need. I would go with a 1,200 square foot building and start getting bids and they engineer the concrete. **Cox** - what action will be taken for the \$300,000, I think nothing, it would still have to come back. **Mayor** - I would just ask for bids for the building. **Phillips** - can't we do that now without the money. **Mayor** - I am just pushing the project. **Riddle** - I think we are going down the right road, but I don't think we need the money for the building right now. **Carter** - what is the \$190,000 for the Iron West project? **Mayor** - we have to have a clean out culvert every 300 feet to get the pipe to the pond. **Wilkey** - Burgess' will also put their water through the pipe? **Paul** - there are two pipes. **Mayor** - he already has irrigation. We hope we will soon have type 1 water. **Wilkey** - we are buying the pipe, and he is putting it in. **Melling** - is there a way to put a variance to have a super filter screen and not have a clean out for 1/4 mile? **Mayor** - no, because when you have a problem, you have a problem. There is going to be some sediment and we will need to clean it from time to time. I would like to go with a round one instead of a square, but we would violate our own standard. **Melling** - can we revise our standards? **Paul** - today is the budget revision, it is possible to change the standard, but I would hope you would listen to the engineers on why they require square not round. **Melling** - is there a benefit to square versus round? **Kent** - round manholes are not unreasonable, but I have not looked at why our standards are how they are. It seems to me it is a change that could be made but I need to look at it first. **Phillips** - for the pipe and the building is it coming from the water fund and backfill from the general fund? **Jason** - the structure from the water fund, we have a lot of budgetary strains on the water fund. The pipeline we are considering as part of the recreation site, so it is a general fund. **Phillips** - can impact fees pay that since it is a new park? **Jason** - possibly. **Paul** - we have to look at the impact fee facility plan. **Jason** - Armbrust park is budgeted out of impact fees. **Paul** - irrigation using creek rights may not qualify.

Councilmember Wilkey moved to approve the resolution revising the 2024-2025 fiscal year budget as proposed minus the \$300,000 for the building; second by Councilmember Melling; vote as follows:

AYE: 5

NAY: 0

ABSTAINED: 0

**ADJOURN:** Councilmember Phillips moved to adjourn and move into the work meeting at 6:50 p.m.; second by Councilmember Melling; vote unanimous.

**EXHIBIT "A"**  
**CITY COUNCIL - AUGUST 28, 2024**

Mayor/Paul,

I wanted to let you know of a recent accomplishment. The Iron/Garfield/Beaver Narcotics Task Force, led by Sgt. Zach Adams from our department was recently honored at the 2024 Utah Narcotics Officers Association conference. They were given the award for Narcotics Task Force of the Year for the State of Utah. They are working extremely hard and making a positive difference.



**Darin M. Adams**

Chief of Police

**Phone:** 435-865-5135

**Email:** [adarin@cedarcity.org](mailto:adarin@cedarcity.org)

10 N Main

Cedar City, Utah 84721

[www.cedarcity.org/police](http://www.cedarcity.org/police)

I would like to extend my heartfelt appreciation to one of your officers in Cedar City, Utah, for their exemplary service. On August 1, 2024, my daughter and I stayed at the Harrah Hotel in Las Vegas as part of a special mother-daughter trip. We were there to drive her newly purchased used vehicle from Gaston, Oregon, down to Arizona State University, where she is enrolled in the Craig Barrett Honors Program.

Unfortunately, we couldn't bring all her luggage to our room, so we left it covered in her Hyundai Venue, parked in the hotel's paid lot, believing it to be secure. After spending a wonderful day together in Las Vegas, we were shocked to find the next morning that her car had been broken into, with two windows smashed and all her clothing taken.

The lack of assistance from the hotel staff was disheartening, and it took some assertive language on my part to even get help cleaning up the glass. We filed reports with the Las Vegas Police, our insurance company, and the uncooperative hotel staff. As we drove towards Phoenix with the car's windows missing, my daughter realized her Air Max headphones, which had tracking devices, were also stolen. We located them in Cedar City, Utah, and I immediately contacted the local police. Officer Hottell K3 returned my call within minutes. We provided him with the location from the headphones and our Las Vegas case number. He not only took our situation seriously but also swiftly obtained a warrant and recovered some of my daughter's belongings.

Officer Hottell went above and beyond by forwarding the details of our case to the Las Vegas Police Department, with the hope that they might allocate 30 minutes to review the hotel's surveillance footage. This could confirm whether the individual found with the stolen items was indeed involved in the Las Vegas robbery. With the groundwork laid out for them, the Las Vegas Police could readily invest the effort to ascertain if this individual was responsible for the vehicle break-in. Although not everything was retrieved, the experience taught my daughter that there are indeed caring individuals who are willing to help.

I am writing to express my sincere gratitude to Officer Hottell and his team for their diligence and compassion. Their actions have restored some of my faith in humanity and have shown that kindness still exists. I hope you will acknowledge Officer Hottell and his team for their efforts and the positive impact they've made.

Furthermore, I hope this incident serves as a deterrent to potential thieves, making them reconsider the consequences of their actions.

Thank you for your time, and I am truly grateful to the Cedar City, Utah Police Department for their genuine concern and for making a difficult situation a bit more bearable for my daughter.

Sincerely,  
Lisa Harings  
503-969-4942

CEDAR CITY CORPORATION

Payment Approval Report - CUSTOM W/GL & DESC.  
Report dates: 8/28/2024-8/28/2024

Page: 1

Aug 30, 2024 08:22AM

## Report Criteria:

Detail report.

Invoices with totals above \$0 included.

Paid and unpaid invoices included.

Invoice Number	Description	Invoice Date	GL Account and Title	Net Invoice Amt	Date Paid
<b>LEXISNEXIS</b>					
810019-20240531	810019 - ONLINE REPORTING MAY 24	05/31/2024	10-70-312 COMPUTER & TECH SERVICES	1,021.92	
Total LEXISNEXIS:					
<b>SCHINDLER ELEVATOR CORPORATION</b>					
9170254962	702303 - CCC ELEVATOR MAINT CO Y	10/31/2023	10-42-262 BUILDING & GROUND MAINTENANCE	107.12	
9170254962	702303 - CCC ELEVATOR MAINT AQT	10/31/2023	20-40-262 BUILDING & GROUND MAINTENANCE	107.12	
9170254962	702303 - CCC ELEVATOR MAINT HC Y	10/31/2023	10-92-262 BUILDING & GROUND MAINTENANCE	322.39	
9170254962	702303 - CCC ELEVATOR MAINT ARPT	10/31/2023	24-40-262 BUILDING & GROUND MAINTENANCE	107.12	
9170254962	702303 - CCC ELEVATOR MAINT PRK	10/31/2023	56-41-262 BUILDING & GROUND MAINTENANCE	213.21	
Total SCHINDLER ELEVATOR CORPORATION:					
<b>SUNROC CORPORATION</b>					
19006*05	CEDCI - HUNTER GLENN SWR OUTFA	04/29/2024	52-55-730 CAP OUTLAY-IMPROVEMENTS	110,309.12	
Total SUNROC CORPORATION:					
<b>TURF EQUIPMENT CO.</b>					
3017418-00	3316 - GREENSMASTER 3150Q MOWE	06/25/2024	28-40-740 CAP OUTLAY-EQUIPMENT	50,913.00	
Total TURF EQUIPMENT CO.:					
<b>VCBO ARCHITECTURE</b>					
23550.00-5	CCFD - ARCHITECTURAL DESIGN	08/10/2024	10-73-720 CAP OUTLAY-BUILDINGS	99,650.71	
Total VCBO ARCHITECTURE:					
Grand Totals:					

Dated: \_\_\_\_\_

Mayor: \_\_\_\_\_

City Council: \_\_\_\_\_

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\_\_\_\_\_  
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\_\_\_\_\_City Recorder: Renton SavageCity Treasurer: Rhean Carlson

## Report Criteria:

Detail report.

Invoices with totals above \$0 included.

Paid and unpaid invoices included.

Invoice Number	Description	Invoice Date	GL Account and Title	Net Invoice Amt	Date Paid
<b>139 FIRE LLC</b>					
082324	CCFD - ARFF FIRE TRAINING - AUG 21	08/25/2024	10-73-230 TRAVEL & TRAINING	24,259.86	
082324	CCFD - ARFF FIRE TRAINING - AUG 21	08/25/2024	24-40-230 TRAVEL & TRAINING	735.14	
Total 139 FIRE LLC:					
				24,995.00	
<b>ADVANCED ENGINEERING &amp; ENVIRONMENTAL SV</b>					
96743	CC WWTP - ENG SVC EFFLUENT REU	08/13/2024	53-56-732 CAP OUTLAY-FILTRATION SYSTEM	120,474.34	
Total ADVANCED ENGINEERING & ENVIRONMENTAL SV:					
				120,474.34	
<b>ALPINE LAWNS INC</b>					
63619	2025 WWTP - FALL FERTILIZER & WEE	08/19/2024	53-56-262 BUILDING & GROUND MAINTENANCE	132.00	
Total ALPINE LAWNS INC:					
				132.00	
<b>ALSCO - AMERICAN LINEN SUPPLY</b>					
LSTG1130593	6051 - SW UNIFORM SERVICES	06/21/2024	55-40-451 UNIFORM SERVICE	24.27	
LSTG1131708	6051 - SW UNIFORM SERVICES	06/28/2024	55-40-451 UNIFORM SERVICE	24.27	
LSTG1138297	6051 - FLT UNIFORM SERV	08/09/2024	10-78-451 UNIFORM SERVICE	29.77	
LSTG1139064	55640 - PAPER PROD CCFD	08/15/2024	10-73-261 JANITORIAL SUPPLIES	566.46	
LSTG1139411	6051 - SW UNIFORM SERVICES	08/16/2024	55-40-451 UNIFORM SERVICE	29.77	
LSTG1139420	005510 - WWTP UNIFORM SERV Y25	08/16/2024	53-56-451 UNIFORM SERVICE	32.21	
LSTG1140511	005510 - WWTP UNIFORM SERV Y25	08/23/2024	53-56-451 UNIFORM SERVICE	32.21	
Total ALSO - AMERICAN LINEN SUPPLY:					
				738.96	
<b>ARDURRA GROUP INC</b>					
210450-24	CC ARPT - AIP 045 MASTER PLAN / JU	08/12/2024	43-40-310 PROF & TECH SERVICES	16,500.40	
Total ARDURRA GROUP INC:					
				16,500.40	
<b>BAKER &amp; TAYLOR</b>					
2038454763	415754 L102673 4-YOUNG ADULT BOO	07/30/2024	10-87-482 BOOKS-YOUNG ADULT	85.74	
2038454763	415754 L102673 4-GENERAL COLLECT	07/30/2024	10-87-481 BOOKS-GENERAL COLLECTION	1,065.89	
2038459717	415754 L102673 4-YOUNG ADULT BOO	08/02/2024	10-87-482 BOOKS-YOUNG ADULT	271.81	
2038459717	415754 L102673 4-GENERAL COLLECT	08/02/2024	10-87-481 BOOKS-GENERAL COLLECTION	70.48	
2038482528	415754 L102673 4-CHILDREN BOOKS	08/13/2024	10-87-483 BOOKS-CHILDREN	666.67	
2038482528	415754 L102673 4-YOUNG ADULT BOO	08/13/2024	10-87-482 BOOKS-YOUNG ADULT	104.03	
2038482528	415754 L102673 4-GENERAL COLLECT	08/13/2024	10-87-481 BOOKS-GENERAL COLLECTION	184.00	
2038491282	415754 L102673 4-CHILDREN BOOKS	08/19/2024	10-87-483 BOOKS-CHILDREN	56.95	
2038491282	415754 L102673 4-YOUNG ADULT BOO	08/19/2024	10-87-482 BOOKS-YOUNG ADULT	27.57	
2038491282	415754 L102673 4-GENERAL COLLECT	08/19/2024	10-87-481 BOOKS-GENERAL COLLECTION	277.05	
Total BAKER & TAYLOR:					
				2,810.19	
<b>BARNEY BROS ELECTRIC INC</b>					
15249	CC WWTP - PULLED NEW CIRCUIT G	08/06/2024	53-56-252 EQUIPMENT MAINTENANCE	1,733.90	
Total BARNEY BROS ELECTRIC INC:					
				1,733.90	
<b>BEEHIVE COMMERCIAL REPAIRS LLC</b>					
1502	CCC - FILTERS / SERVICE	08/09/2024	10-42-252 EQUIPMENT MAINTENANCE	966.08	

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	Total BEEHIVE COMMERCIAL REPAIRS LLC:			966.08	
	<b>BLACKSTONE PUBLISHING</b>				
2166043	167928 - E MATERIALS	08/13/2024	10-87-481 BOOKS-GENERAL COLLECTION	117.62	
2166944	167928 - E MATERIALS	08/21/2024	10-87-481 BOOKS-GENERAL COLLECTION	149.97	
	Total BLACKSTONE PUBLISHING:			267.59	
	<b>BRADY INDUSTRIES</b>				
9148935	173359 - PARK JANITORIAL SUPPLIES	08/16/2024	10-83-261 JANITORIAL SUPPLIES	547.86	
	Total BRADY INDUSTRIES:			547.86	
	<b>BRODY CHEMICAL COMP. INC.</b>				
INV52203	CC AQ - CHEMICALS	08/16/2024	20-40-254 CHEMICALS	504.93	
	Total BRODY CHEMICAL COMP. INC.:			504.93	
	<b>BUD MAHAS CONSTRUCTION INC</b>				
AIP 049 - APP 3	CC APT - BIL TERMINAL AIP 049 - APP	08/12/2024	43-40-721 CAP OUTLAY-AIRPORT TERMINAL	199,215.00	
AIP 052 - APP 3	CC APT - ARPA TERMINAL AIP 052 - AP	08/12/2024	43-40-721 CAP OUTLAY-AIRPORT TERMINAL	52,250.00	
AIP 05X - APP 3	CC APT - CRRSA TERMINAL AIP 05X -	08/12/2024	43-40-721 CAP OUTLAY-AIRPORT TERMINAL	4,750.00	
	Total BUD MAHAS CONSTRUCTION INC:			256,215.00	
	<b>CANDACE NICOLE REID</b>				
AUG 2024	CCC - PUBLIC DEFENDER 24/25	08/31/2024	10-44-310 PROF & TECH SERVICES	4,958.33	
	Total CANDACE NICOLE REID:			4,958.33	
	<b>CDS AG SERVICES</b>				
81324	CC CH - PINE SHAVINGS	08/13/2024	10-90-262 BUILDING & GROUND MAINTENANCE	2,943.00	
	Total CDS AG SERVICES:			2,943.00	
	<b>CEDAR CITY COMMUNITY BAND</b>				
RAP TAX 24/25 #1	RAP TAX 24/25 #1 ALLOCATION	08/21/2024	29-40-100 DISTRIBUTIONS TO ARTS	2,400.00	
	Total CEDAR CITY COMMUNITY BAND:			2,400.00	
	<b>CEDAR CITY MUSIC ARTS</b>				
RAP TAX 24/25 #1	CCC - RAP TAX 24/25 #1 ALLOCATION	08/21/2024	29-40-100 DISTRIBUTIONS TO ARTS	10,000.00	
	Total CEDAR CITY MUSIC ARTS:			10,000.00	
	<b>CEM AQUATICS</b>				
18339	CED02 - CC AQ - 500 SPECTRA MAIN	07/15/2024	20-40-254 CHEMICALS	2,463.68	
	Total CEM AQUATICS:			2,463.68	
	<b>CENGAGE LEARNING/GALE</b>				
84777245	170454 - LBRY BOOKS	08/08/2024	10-87-481 BOOKS-GENERAL COLLECTION	132.70	
	Total CENGAGE LEARNING/GALE:			132.70	
	<b>CENTURYLINK</b>				
AUG 2024	O-435-111-6279 457M - AUG 2024	08/07/2024	10-41-280 TELEPHONE	45.91	

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AUG 2024	O-435-111-6279 457M - AUG 2024	08/07/2024	10-42-280 TELEPHONE	45.91	
AUG 2024	O-435-111-6279 457M - AUG 2024	08/07/2024	24-40-280 TELEPHONE	91.81	
AUG 2024	O-435-111-6279 457M - AUG 2024	08/07/2024	28-40-280 TELEPHONE	91.81	
AUG 2024	O-435-111-6279 457M - AUG 2024	08/07/2024	51-40-280 TELEPHONE	45.91	
AUG 2024	O-435-111-6279 457M - AUG 2024	08/07/2024	52-55-280 TELEPHONE	91.81	
AUG 2024	O-435-111-6279 457M - AUG 2024	08/07/2024	56-41-280 TELEPHONE	45.91	
AUG 2024	O-435-111-6279 457M - AUG 2024	08/07/2024	10-70-280 TELEPHONE	137.72	
AUG 2024	O-435-111-6279 457M - AUG 2024	08/07/2024	10-73-280 TELEPHONE	91.81	
AUG 2024	O-435-111-6279 457M - AUG 2024	08/07/2024	10-76-280 TELEPHONE	45.91	
AUG 2024	O-435-111-6279 457M - AUG 2024	08/07/2024	10-81-280 TELEPHONE	45.91	
AUG 2024	O-435-111-6279 457M - AUG 2024	08/07/2024	10-92-280 TELEPHONE	91.81	
AUG 2024	O-435-111-6279 457M - AUG 2024	08/07/2024	20-40-280 TELEPHONE	137.72	
Total CENTURYLINK:					1,009.95
<b>CHEMTECH-FORD</b>					
24H1370	CC WTR - WATER QUALITY CEDAR C	08/23/2024	51-40-711 CAP OUTLAY-WELLS	2,045.00	
Total CHEMTECH-FORD:					2,045.00
<b>CIVIL SCIENCE INFRASTRUCTURE INC</b>					
16416	CCC - ENG SVCS CMTRY EXP PH 2 #4	08/01/2024	10-83-732 CAP OUTLAY-CEMETERY	6,483.75	
Total CIVIL SCIENCE INFRASTRUCTURE INC:					6,483.75
<b>COLD SPRING GRANITE COMPANY</b>					
RI 2258640	CC PKS - COLUMBIARIUM SIGNS / LYO	08/12/2024	10-83-480 SPECIAL DEPARTMENT SUPPLIES	319.00	
Total COLD SPRING GRANITE COMPANY:					319.00
<b>CURTIS &amp; SONS</b>					
CM43124	C29937 - CCFD - CREDIT KUSSMAUL	06/18/2024	10-73-450 SPECIAL PUBLIC SAFETY SUPPLIES	( 1,597.00)	
INV838510	C29937 - CCFD - 9AH BATTERIES	07/10/2024	10-73-740 CAP OUTLAY-EQUIPMENT	8,172.00	
INV844982	C29937 - CCFD - KUSSMAUL FACTOR	07/16/2024	10-73-252 EQUIPMENT MAINTENANCE	515.75	
INV845111	C29937 - CCFD - LADDER BRACKET S	07/16/2024	10-73-252 EQUIPMENT MAINTENANCE	183.33	
INV852483	C29937 - CCFD - CHIMFEX EXTINGUIS	08/06/2024	10-73-450 SPECIAL PUBLIC SAFETY SUPPLIES	296.65	
INV853470	C29937 - CCFD - HURST CHARGER	08/08/2024	10-73-450 SPECIAL PUBLIC SAFETY SUPPLIES	1,599.01	
INV854091	C4202 - CCPD - UNIFORMS	08/09/2024	10-70-620 UNIFORM PURCHASE	180.91	
INV855284	C4202 - CCPD - UNIFORMS	08/14/2024	10-70-620 UNIFORM PURCHASE	114.76	
INV855862	C29937 - CCFD - FINAL SEPERATION	08/15/2024	10-73-252 EQUIPMENT MAINTENANCE	161.47	
INV856130	C29937 - CCFD - WILDLAND PANTS	08/16/2024	10-73-950 STATE GRANT-WILDLAND FIRE	1,422.60	
INV858450	C29937 - CCFD - WILDLAND PANTS	08/23/2024	10-73-950 STATE GRANT-WILDLAND FIRE	718.05	
INV858492	C29937 - CCFD - FIRE SHELTERS, TO	08/23/2024	10-73-950 STATE GRANT-WILDLAND FIRE	2,984.20	
Total CURTIS & SONS:					14,751.73
<b>D &amp; P PERFORMANCE</b>					
4472	CC PRK - CAN AM ATV 3JB3GA449RJ0	08/05/2024	10-83-740 CAP OUTLAY-EQUIPMENT	8,591.00	
Total D & P PERFORMANCE:					8,591.00
<b>DAVIS HEATING &amp; A/C SERVICE</b>					
0000068262	269 - CCWTR A/C REPAIR QP#7	08/13/2024	51-40-262 MAINTENANCE-WELL HOUSES	135.00	
0000068352	269 - CCWTR A/C UNIT QP#5	08/13/2024	51-40-255 WATER SYSTEM MAINTENANCE	8,970.00	
Total DAVIS HEATING & A/C SERVICE:					9,105.00

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<b>DEX IMAGING LLC</b>					
AR11783403	CC AQ - COPIER CONTRACT	08/13/2024	20-40-312 COMPUTER & TECH SERVICES	2,892.40	
Total DEX IMAGING LLC:				2,892.40	
<b>DLT SOLUTIONS</b>					
SI664180	CED04 - CIVIL 3D, AECC ANNUAL SUB	08/20/2024	10-81-240 OFFICE SUPPLIES & EXPENSE	5,913.44	
Total DLT SOLUTIONS:				5,913.44	
<b>DOMINION ENERGY</b>					
AUG 2024	3511260000 - NAT GAS AUG 2024	08/22/2024	10-42-270 UTILITIES	44.66	
AUG 2024	3511260000 - NAT GAS AUG 2024	08/22/2024	10-73-270 UTILITIES-FIRE	100.91	
AUG 2024	3511260000 - NAT GAS AUG 2024	08/22/2024	10-76-270 UTILITIES	54.66	
AUG 2024	3511260000 - NAT GAS AUG 2024	08/22/2024	10-83-270 UTILITIES-PARKS & CEMETERY	14.32	
AUG 2024	3511260000 - NAT GAS AUG 2024	08/22/2024	10-87-270 UTILITIES-LIBRARY	33.55	
AUG 2024	3511260000 - NAT GAS AUG 2024	08/22/2024	10-90-270 UTILITIES-CROSS HOLLOWS EVENTS	78.96	
AUG 2024	3511260000 - NAT GAS AUG 2024	08/22/2024	10-92-270 UTILITIES-HERITAGE CENTER	52.85	
AUG 2024	3511260000 - NAT GAS AUG 2024	08/22/2024	22-40-270 UTILITIES-CATS	26.37	
AUG 2024	3511260000 - NAT GAS AUG 2024	08/22/2024	24-40-270 UTILITIES-AIRPORT	26.51	
AUG 2024	3511260000 - NAT GAS AUG 2024	08/22/2024	28-40-270 UTILITIES	39.56	
AUG 2024	3511260000 - NAT GAS AUG 2024	08/22/2024	52-55-270 UTILITIES-SEWER COLLECTION	42.81	
AUG 2024	3511260000 - NAT GAS AUG 2024	08/22/2024	61-40-270 UTILITIES-PUBLIC WORKS FACILIT	47.26	
JUL 2024 AQ/WWT	9165867413 - AQ/WWTP - GAS JUL 202	08/19/2024	20-40-270 UTILITIES-AQUATIC CENTER	8,804.16	
JUL 2024 AQ/WWT	9165867413 - AQ/WWTP - GAS JUL 202	08/19/2024	53-56-270 UTILITIES-SEWER PLANT	3,310.21	
Total DOMINION ENERGY:				12,676.79	
<b>DORSETT CONTROLS</b>					
W15943	1882 - BLDG SEQUENCE PROGRAMMI	08/08/2024	53-56-310 PROF & TECH SERVICES	310.00	
Total DORSETT CONTROLS:				310.00	
<b>EMI HEALTH</b>					
COMM1340202409	1340 - SEP 24 DENTAL, VISION	08/21/2024	10-41-132 EMPLOYEE INSURANCE	908.50	
COMM1340202409	1340 - SEP 24 DENTAL, VISION	08/21/2024	10-42-132 EMPLOYEE INSURANCE	8.25	
COMM1340202409	1340 - SEP 24 DENTAL, VISION	08/21/2024	10-44-132 EMPLOYEE INSURANCE	228.10	
COMM1340202409	1340 - SEP 24 DENTAL, VISION	08/21/2024	10-60-132 EMPLOYEE INSURANCE	342.15	
COMM1340202409	1340 - SEP 24 DENTAL, VISION	08/21/2024	51-40-132 EMPLOYEE INSURANCE	827.45	
COMM1340202409	1340 - SEP 24 DENTAL, VISION	08/21/2024	52-55-132 EMPLOYEE INSURANCE	524.95	
COMM1340202409	1340 - SEP 24 DENTAL, VISION	08/21/2024	53-56-132 EMPLOYEE INSURANCE	662.45	
COMM1340202409	1340 - SEP 24 DENTAL, VISION	08/21/2024	54-40-132 EMPLOYEE INSURANCE	261.10	
COMM1340202409	1340 - SEP 24 DENTAL, VISION	08/21/2024	55-40-132 EMPLOYEE INSURANCE	251.55	
COMM1340202409	1340 - SEP 24 DENTAL, VISION	08/21/2024	61-40-132 EMPLOYEE INSURANCE	114.05	
COMM1340202409	1340 - SEP 24 DENTAL, VISION	08/21/2024	10-90-132 EMPLOYEE INSURANCE	147.05	
COMM1340202409	1340 - SEP 24 DENTAL, VISION	08/21/2024	10-92-132 EMPLOYEE INSURANCE	180.05	
COMM1340202409	1340 - SEP 24 DENTAL, VISION	08/21/2024	20-40-132 EMPLOYEE INSURANCE	243.30	
COMM1340202409	1340 - SEP 24 DENTAL, VISION	08/21/2024	24-40-132 EMPLOYEE INSURANCE	296.85	
COMM1340202409	1340 - SEP 24 DENTAL, VISION	08/21/2024	28-40-132 EMPLOYEE INSURANCE	524.95	
COMM1340202409	1340 - SEP 24 DENTAL, VISION	08/21/2024	30-40-132 EMPLOYEE INSURANCE	114.05	
COMM1340202409	1340 - SEP 24 DENTAL, VISION	08/21/2024	10-79-132 EMPLOYEE INSURANCE	878.25	
COMM1340202409	1340 - SEP 24 DENTAL, VISION	08/21/2024	10-81-132 EMPLOYEE INSURANCE	854.80	
COMM1340202409	1340 - SEP 24 DENTAL, VISION	08/21/2024	10-83-132 EMPLOYEE INSURANCE	578.65	
COMM1340202409	1340 - SEP 24 DENTAL, VISION	08/21/2024	10-84-132 EMPLOYEE INSURANCE	114.05	
COMM1340202409	1340 - SEP 24 DENTAL, VISION	08/21/2024	10-85-132 EMPLOYEE INSURANCE	228.10	
COMM1340202409	1340 - SEP 24 DENTAL, VISION	08/21/2024	10-87-132 EMPLOYEE INSURANCE	167.75	
COMM1340202409	1340 - SEP 24 DENTAL, VISION	08/21/2024	10-70-132 EMPLOYEE INSURANCE	4,069.25	
COMM1340202409	1340 - SEP 24 DENTAL, VISION	08/21/2024	10-73-132 EMPLOYEE INSURANCE	1,147.65	

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COMM1340202409	1340 - SEP 24 DENTAL, VISION	08/21/2024	10-75-132 EMPLOYEE INSURANCE	362.20	
COMM1340202409	1340 - SEP 24 DENTAL, VISION	08/21/2024	10-76-132 EMPLOYEE INSURANCE	114.05	
COMM1340202409	1340 - SEP 24 DENTAL, VISION	08/21/2024	10-77-132 EMPLOYEE INSURANCE	33.00	
COMM1340202409	1340 - SEP 24 DENTAL, VISION	08/21/2024	10-78-132 EMPLOYEE INSURANCE	489.20	
Total EMI HEALTH:				14,671.75	
<b>FAMILY SUPPORT CENTER OF SW UTAH</b>					
080724	CCC - FY2025 CONTRIBUTION	08/07/2024	10-53-666 FAMILY SUPPORT CENTER	15,000.00	
Total FAMILY SUPPORT CENTER OF SW UTAH:				15,000.00	
<b>FASTENAL</b>					
UTCED128480	UTCED0056 - MISC FACILITY/SHOP S	08/15/2024	53-56-480 SPECIAL DEPARTMENT SUPPLIES	387.20	
UTCED128700	UTCED0056 - MISC FACILITY/SHOP S	08/23/2024	53-56-480 SPECIAL DEPARTMENT SUPPLIES	101.02	
Total FASTENAL:				488.22	
<b>FBI COMMAND COLLEGE</b>					
2024-FBI:CC A	CCPD - TRAINING	08/05/2024	10-70-231 TRAVEL & TRAINING-ADMIN	1,800.00	
2024-FBI:CC B	CCPD - TRAINING	08/05/2024	10-70-233 TRAVEL & TRAINING-PATROL	1,800.00	
Total FBI COMMAND COLLEGE:				3,600.00	
<b>FULL COMPASS SYSTEM LTD</b>					
INC02555798	CUC2384391 - EARSET MIC PARTS	08/07/2024	10-92-252 EQUIPMENT MAINTENANCE	823.14	
Total FULL COMPASS SYSTEM LTD:				823.14	
<b>GARTH AND JERRI FREHNER MUSEUM</b>					
RAP TAX 24/25 #1	RAP TAX 24/25 #1 ALLOCATION	08/21/2024	29-40-100 DISTRIBUTIONS TO ARTS	2,400.00	
Total GARTH AND JERRI FREHNER MUSEUM:				2,400.00	
<b>GEM ENGINEERING INC</b>					
29218	CC WWTP - GEOTECH REPORT - EFF	08/15/2024	53-56-732 CAP OUTLAY-FILTRATION SYSTEM	2,139.00	
Total GEM ENGINEERING INC:				2,139.00	
<b>GLOBAL EQUIPMENT COMPANY</b>					
122252913	221267 - HC - WIRE CARTS	08/14/2024	10-92-262 BUILDING & GROUND MAINTENANCE	660.76	
122256175	221267 - HC - WIRE CARTS	08/15/2024	10-92-262 BUILDING & GROUND MAINTENANCE	275.46	
Total GLOBAL EQUIPMENT COMPANY:				936.22	
<b>HANSEN ALLEN &amp; LUCE INC</b>					
52667	CCC - WTR SYS ENG SVCS	08/16/2024	51-40-310 PROF & TECH SERVICES	1,082.50	
Total HANSEN ALLEN & LUCE INC:				1,082.50	
<b>HEALTH EQUITY-HSA</b>					
2FR1F8T	CCC - 36976 HSA AUG 24	08/01/2024	52-55-132 EMPLOYEE INSURANCE	8.40	
2FR1F8T	CCC - 36976 HSA AUG 24	08/01/2024	53-56-132 EMPLOYEE INSURANCE	14.70	
2FR1F8T	CCC - 36976 HSA AUG 24	08/01/2024	54-40-132 EMPLOYEE INSURANCE	6.30	
2FR1F8T	CCC - 36976 HSA AUG 24	08/01/2024	55-40-132 EMPLOYEE INSURANCE	4.20	
2FR1F8T	CCC - 36976 HSA AUG 24	08/01/2024	61-40-132 EMPLOYEE INSURANCE	2.10	
2FR1F8T	CCC - 36976 HSA AUG 24	08/01/2024	10-92-132 EMPLOYEE INSURANCE	6.30	
2FR1F8T	CCC - 36976 HSA AUG 24	08/01/2024	20-40-132 EMPLOYEE INSURANCE	5.78	

Invoice Number	Description	Invoice Date	GL Account and Title	Net Invoice Amt	Date Paid
2FR1F8T	CCC - 36976 HSA AUG 24	08/01/2024	24-40-132 EMPLOYEE INSURANCE	4.20	
2FR1F8T	CCC - 36976 HSA AUG 24	08/01/2024	28-40-132 EMPLOYEE INSURANCE	14.45	
2FR1F8T	CCC - 36976 HSA AUG 24	08/01/2024	30-40-132 EMPLOYEE INSURANCE	2.10	
2FR1F8T	CCC - 36976 HSA AUG 24	08/01/2024	51-40-132 EMPLOYEE INSURANCE	21.00	
2FR1F8T	CCC - 36976 HSA AUG 24	08/01/2024	10-81-132 EMPLOYEE INSURANCE	16.80	
2FR1F8T	CCC - 36976 HSA AUG 24	08/01/2024	10-83-132 EMPLOYEE INSURANCE	16.80	
2FR1F8T	CCC - 36976 HSA AUG 24	08/01/2024	10-84-132 EMPLOYEE INSURANCE	.00	
2FR1F8T	CCC - 36976 HSA AUG 24	08/01/2024	10-85-132 EMPLOYEE INSURANCE	4.20	
2FR1F8T	CCC - 36976 HSA AUG 24	08/01/2024	10-87-132 EMPLOYEE INSURANCE	6.30	
2FR1F8T	CCC - 36976 HSA AUG 24	08/01/2024	10-90-132 EMPLOYEE INSURANCE	6.15	
2FR1F8T	CCC - 36976 HSA AUG 24	08/01/2024	10-73-132 EMPLOYEE INSURANCE	18.90	
2FR1F8T	CCC - 36976 HSA AUG 24	08/01/2024	10-75-132 EMPLOYEE INSURANCE	6.30	
2FR1F8T	CCC - 36976 HSA AUG 24	08/01/2024	10-76-132 EMPLOYEE INSURANCE	2.10	
2FR1F8T	CCC - 36976 HSA AUG 24	08/01/2024	10-77-132 EMPLOYEE INSURANCE	2.10	
2FR1F8T	CCC - 36976 HSA AUG 24	08/01/2024	10-78-132 EMPLOYEE INSURANCE	8.40	
2FR1F8T	CCC - 36976 HSA AUG 24	08/01/2024	10-79-132 EMPLOYEE INSURANCE	18.90	
2FR1F8T	CCC - 36976 HSA AUG 24	08/01/2024	10-41-132 EMPLOYEE INSURANCE	16.79	
2FR1F8T	CCC - 36976 HSA AUG 24	08/01/2024	10-42-132 EMPLOYEE INSURANCE	.53	
2FR1F8T	CCC - 36976 HSA AUG 24	08/01/2024	10-44-132 EMPLOYEE INSURANCE	6.30	
2FR1F8T	CCC - 36976 HSA AUG 24	08/01/2024	10-60-132 EMPLOYEE INSURANCE	.00	
2FR1F8T	CCC - 36976 HSA AUG 24	08/01/2024	10-70-132 EMPLOYEE INSURANCE	77.55	
LGQWA1F - 8-16-2	CCC - 36976 HSA 8-16-24 CNTRB / LG	08/16/2024	10-41-132 EMPLOYEE INSURANCE	1,220.99	
LGQWA1F - 8-16-2	CCC - 36976 HSA 8-16-24 CNTRB / LG	08/16/2024	10-42-132 EMPLOYEE INSURANCE	25.00	
LGQWA1F - 8-16-2	CCC - 36976 HSA 8-16-24 CNTRB / LG	08/16/2024	10-44-132 EMPLOYEE INSURANCE	498.07	
LGQWA1F - 8-16-2	CCC - 36976 HSA 8-16-24 CNTRB / LG	08/16/2024	61-40-132 EMPLOYEE INSURANCE	40.00	
LGQWA1F - 8-16-2	CCC - 36976 HSA 8-16-24 CNTRB / LG	08/16/2024	30-40-132 EMPLOYEE INSURANCE	50.00	
LGQWA1F - 8-16-2	CCC - 36976 HSA 8-16-24 CNTRB / LG	08/16/2024	51-40-132 EMPLOYEE INSURANCE	875.70	
LGQWA1F - 8-16-2	CCC - 36976 HSA 8-16-24 CNTRB / LG	08/16/2024	52-55-132 EMPLOYEE INSURANCE	500.00	
LGQWA1F - 8-16-2	CCC - 36976 HSA 8-16-24 CNTRB / LG	08/16/2024	53-56-132 EMPLOYEE INSURANCE	775.00	
LGQWA1F - 8-16-2	CCC - 36976 HSA 8-16-24 CNTRB / LG	08/16/2024	54-40-132 EMPLOYEE INSURANCE	160.00	
LGQWA1F - 8-16-2	CCC - 36976 HSA 8-16-24 CNTRB / LG	08/16/2024	55-40-132 EMPLOYEE INSURANCE	110.00	
LGQWA1F - 8-16-2	CCC - 36976 HSA 8-16-24 CNTRB / LG	08/16/2024	10-87-132 EMPLOYEE INSURANCE	125.00	
LGQWA1F - 8-16-2	CCC - 36976 HSA 8-16-24 CNTRB / LG	08/16/2024	10-90-132 EMPLOYEE INSURANCE	40.00	
LGQWA1F - 8-16-2	CCC - 36976 HSA 8-16-24 CNTRB / LG	08/16/2024	10-92-132 EMPLOYEE INSURANCE	460.73	
LGQWA1F - 8-16-2	CCC - 36976 HSA 8-16-24 CNTRB / LG	08/16/2024	20-40-132 EMPLOYEE INSURANCE	325.00	
LGQWA1F - 8-16-2	CCC - 36976 HSA 8-16-24 CNTRB / LG	08/16/2024	24-40-132 EMPLOYEE INSURANCE	150.00	
LGQWA1F - 8-16-2	CCC - 36976 HSA 8-16-24 CNTRB / LG	08/16/2024	28-40-132 EMPLOYEE INSURANCE	280.00	
LGQWA1F - 8-16-2	CCC - 36976 HSA 8-16-24 CNTRB / LG	08/16/2024	10-78-132 EMPLOYEE INSURANCE	600.00	
LGQWA1F - 8-16-2	CCC - 36976 HSA 8-16-24 CNTRB / LG	08/16/2024	10-79-132 EMPLOYEE INSURANCE	890.00	
LGQWA1F - 8-16-2	CCC - 36976 HSA 8-16-24 CNTRB / LG	08/16/2024	10-81-132 EMPLOYEE INSURANCE	983.85	
LGQWA1F - 8-16-2	CCC - 36976 HSA 8-16-24 CNTRB / LG	08/16/2024	10-83-132 EMPLOYEE INSURANCE	325.00	
LGQWA1F - 8-16-2	CCC - 36976 HSA 8-16-24 CNTRB / LG	08/16/2024	10-84-132 EMPLOYEE INSURANCE	.00	
LGQWA1F - 8-16-2	CCC - 36976 HSA 8-16-24 CNTRB / LG	08/16/2024	10-85-132 EMPLOYEE INSURANCE	125.00	
LGQWA1F - 8-16-2	CCC - 36976 HSA 8-16-24 CNTRB / LG	08/16/2024	10-60-132 EMPLOYEE INSURANCE	46.15	
LGQWA1F - 8-16-2	CCC - 36976 HSA 8-16-24 CNTRB / LG	08/16/2024	10-70-132 EMPLOYEE INSURANCE	3,717.44	
LGQWA1F - 8-16-2	CCC - 36976 HSA 8-16-24 CNTRB / LG	08/16/2024	10-73-132 EMPLOYEE INSURANCE	1,469.23	
LGQWA1F - 8-16-2	CCC - 36976 HSA 8-16-24 CNTRB / LG	08/16/2024	10-75-132 EMPLOYEE INSURANCE	225.00	
LGQWA1F - 8-16-2	CCC - 36976 HSA 8-16-24 CNTRB / LG	08/16/2024	10-76-132 EMPLOYEE INSURANCE	50.00	
LGQWA1F - 8-16-2	CCC - 36976 HSA 8-16-24 CNTRB / LG	08/16/2024	10-77-132 EMPLOYEE INSURANCE	26.00	
Total HEALTH EQUITY-HSA:					14,390.81

## HIGH DESERT EXCAVATING INC

2029	CC CRGC - TOP DRESSING SAND	08/13/2024	28-40-480 SPECIAL DEPARTMENT SUPPLIES	1,690.08
2082	CC CRGC - TOP DRESSING SAND	08/13/2024	28-40-480 SPECIAL DEPARTMENT SUPPLIES	1,668.80
2083	CC CRGC - TOP DRESSING SAND	08/14/2024	28-40-480 SPECIAL DEPARTMENT SUPPLIES	1,035.44

CEDAR CITY CORPORATION

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	Total HIGH DESERT EXCAVATING INC:			4,394.32	
<b>HOTSPOT NUTRITION</b>					
123-42	CC EVENTS - GU ENERGY CHEWS	08/08/2024	30-40-223 RUNNERS SERIES	2,183.20	
	Total HOTSPOT NUTRITION:			2,183.20	
<b>IG WINERY</b>					
000631	CC ECONDEV - ROOM REMODEL INC	08/19/2024	57-40-633 INCENTIVE-TENANT IMPROVEMENTS	7,500.00	
	Total IG WINERY:			7,500.00	
<b>IHC WORKMED</b>					
CC3530784	1041137-DRUG TESTING Y25	08/01/2024	10-41-137 DRUG TESTING	70.00	
	Total IHC WORKMED:			70.00	
<b>IMAGE PRO</b>					
142873	433 - CCC - CEMETERY BOOKLETS	07/17/2024	10-83-480 SPECIAL DEPARTMENT SUPPLIES	434.00	
	Total IMAGE PRO:			434.00	
<b>INTERMOUNTAIN FARMERS</b>					
1021394700	730181 - PARK FERTILIZER	08/20/2024	10-83-480 SPECIAL DEPARTMENT SUPPLIES	302.11	
	Total INTERMOUNTAIN FARMERS:			302.11	
<b>J AND A HANDYMAN SERVICES INC</b>					
1172	1056 - LIGHTS - FIELD @ THE HILLS	08/18/2024	10-83-262 BUILDING & GROUND MAINTENANCE	2,800.00	
	Total J AND A HANDYMAN SERVICES INC:			2,800.00	
<b>JENKINS OIL COMPANY</b>					
0568022	216 - FUEL / ARENA	08/16/2024	10-90-251 GAS & OIL	834.41	
0568043	00403 - FUEL	08/23/2024	28-40-251 GAS & OIL	1,932.22	
0568097	216 - FUEL / ARENA	08/21/2024	10-90-251 GAS & OIL	289.24	
0572938	00403 - FUEL	05/29/2024	28-40-251 GAS & OIL	786.42	
0573689	00403 - FUEL	07/25/2024	28-40-251 GAS & OIL	1,120.03	
0573872	00403 - FUEL	07/17/2024	28-40-251 GAS & OIL	2,366.47	
0573934	00403 - FUEL	08/07/2024	28-40-251 GAS & OIL	2,209.01	
0573939	216 - FUEL / ARENA	08/08/2024	10-90-251 GAS & OIL	596.39	
	Total JENKINS OIL COMPANY:			10,134.19	
<b>JOHN DEERE</b>					
117644607	2107286 - S120 LAWN TRACTOR	08/20/2024	24-40-262 BUILDING & GROUND MAINTENANCE	3,167.77	
	Total JOHN DEERE:			3,167.77	
<b>JOHN ORTON EXCAVATING</b>					
9094	CC WWTP - SEWERLINE REHAB 640	08/14/2024	52-55-290 SEWER LINE MAINTENANCE	34,181.00	
	Total JOHN ORTON EXCAVATING:			34,181.00	
<b>JOHNSON ARTS CENTER</b>					
RAP TAX 24/25 #1	CCC - RAP TAX 24/25 #1 ALLOCATION	08/21/2024	29-40-100 DISTRIBUTIONS TO ARTS	6,500.00	

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	Total JOHNSON ARTS CENTER:			6,500.00	
JONES PAINT & GLASS INC					
CCI0100648	C3050-CC - CCAQ PAINT & SUPPLIES	08/17/2024	20-40-262 BUILDING & GROUND MAINTENANCE	1,137.12	
	Total JONES PAINT & GLASS INC:			1,137.12	
KERRI LEWIS					
6.24.24 SEWER	LEGAL CLAIM - SEWER BACKUP/DAM	06/24/2024	52-55-511 LEGAL CLAIMS	12,176.00	
	Total KERRI LEWIS:			12,176.00	
KIRK HUFFAKER PRESERVATION STRATEGIES					
1202	CCC - HISTORIC PRESERVATION PRO	07/04/2024	10-81-310 PROF & TECH SERVICES	3,000.00	
1210	CCC - HISTORIC PRESERVATION PRO	08/21/2024	10-81-310 PROF & TECH SERVICES	5,288.00	
	Total KIRK HUFFAKER PRESERVATION STRATEGIES:			8,288.00	
MABEY WRIGHT & JAMES PLLC					
634	CCC - RILEY WATER CONSULTING	07/31/2024	51-40-712 CAP OUTLAY-WATER RIGHTS	1,500.00	
	Total MABEY WRIGHT & JAMES PLLC:			1,500.00	
MADISON LIQUIDATORS					
49823	CC ENG - DESK, DRAWERS, BOOKCA	08/20/2024	10-81-740 CAP OUTLAY-EQUIPMENT	2,475.60	
	Total MADISON LIQUIDATORS:			2,475.60	
MALLORY SAFETY AND SUPPLY LLC					
5967431	CCFD - CO SENSORS	08/13/2024	10-73-252 EQUIPMENT MAINTENANCE	527.92	
	Total MALLORY SAFETY AND SUPPLY LLC:			527.92	
MENDING MINDS					
2	CCPD - COUNSELING	08/16/2024	10-70-954 STATE GRANT-FIRST RESPONDER MH	250.00	
3	CCPD - COUNSELING	08/27/2024	10-70-954 STATE GRANT-FIRST RESPONDER MH	250.00	
	Total MENDING MINDS:			500.00	
METERWORKS INC					
10098	CC WTR - WATER METERS	08/06/2024	51-40-481 METER-NEW	3,673.48	
10124	CC WTR - WATER METERS	08/09/2024	51-40-481 METER-NEW	2,753.10	
10131	CC WTR - WATER METERS	08/16/2024	51-40-481 METER-NEW	118,104.00	
	Total METERWORKS INC:			124,530.58	
MICROMARKETING LLC ATTN: AR					
961071	15980- LBRY BOOKS CHILDREN	08/15/2024	10-87-483 BOOKS-CHILDREN	127.64	
961073	15980- YOUNG ADULT BOOKS	08/15/2024	10-87-482 BOOKS-YOUNG ADULT	87.37	
961219	15980- LBRY BOOKS CHILDREN	08/20/2024	10-87-483 BOOKS-CHILDREN	17.99	
961297	15980- YOUNG ADULT BOOKS	08/20/2024	10-87-482 BOOKS-YOUNG ADULT	17.99	
961499	15980- LBRY BOOKS CHILDREN	08/22/2024	10-87-483 BOOKS-CHILDREN	101.60	
961577	15980- LBRY BOOKS CHILDREN	08/23/2024	10-87-483 BOOKS-CHILDREN	62.96	
	Total MICROMARKETING LLC ATTN: AR:			415.55	

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<b>MIDWEST VETERINARY SUPPLY INC</b>					
22944820-000	49748 - VET SUPPLIES	08/13/2024	10-76-450 ANIMAL SHELTER FOOD SUPPLIES	718.86	
Total MIDWEST VETERINARY SUPPLY INC:					
718.86					
<b>MODERN MARKETING</b>					
MMI158599	MPD84720 - LIP BALM	08/12/2024	10-70-640 LIQUOR ENFORCEMENT	936.74	
MMI158632	MPD84720 - PENCILS	08/13/2024	10-70-640 LIQUOR ENFORCEMENT	1,820.73	
MMI158765	MPD84720 - STRESS RELIEVERS	08/20/2024	10-70-640 LIQUOR ENFORCEMENT	1,761.42	
Total MODERN MARKETING:					
4,518.89					
<b>MONSEN ENGINEERING INC</b>					
PM-INV027928	CM00326 - GPS BATTERIES	03/25/2024	10-81-252 EQUIPMENT MAINTENANCE	283.06	
Total MONSEN ENGINEERING INC:					
283.06					
<b>MOUNTAIN ALARM</b>					
5030343	FPCECI1 - ARPT ALARM A,S,O 2024	08/01/2024	24-40-262 BUILDING & GROUND MAINTENANCE	180.00	
Total MOUNTAIN ALARM:					
180.00					
<b>MOUNTAIN WEST COMPUTERS</b>					
83831	CC AS - TONER	08/12/2024	10-76-240 OFFICE SUPPLIES & EXPENSE	87.00	
83860	CCC - UPDATE SCADA HARD DRIVES	08/13/2024	53-56-312 COMPUTER & TECH SERVICES	333.34	
83860	CCC - UPDATE SCADA HARD DRIVES	08/13/2024	52-55-312 COMPUTER & TECH SERVICES	333.33	
83860	CCC - UPDATE SCADA HARD DRIVES	08/13/2024	51-40-312 COMPUTER & TECH SERVICES	333.33	
83879	WWTP - UPDATE DESKTOP COMPUTE	08/15/2024	53-56-312 COMPUTER & TECH SERVICES	1,164.00	
Total MOUNTAIN WEST COMPUTERS:					
2,251.00					
<b>MOUNTAINLAND SUPPLY LLC</b>					
S106191554.001	9372 - CREDIT	05/24/2024	53-56-740 CAP OUTLAY-EQUIPMENT	( 11.63)	
S106377964.003	9372 - RETROFIT PIPING	08/14/2024	53-56-252 EQUIPMENT MAINTENANCE	111.43	
Total MOUNTAINLAND SUPPLY LLC:					
99.80					
<b>NEWBY'S PEST LAWN AND WEED CONTROL</b>					
54149	2218 - FAA BLDG PEST CONTROL	07/15/2024	24-40-262 BUILDING & GROUND MAINTENANCE	190.00	
Total NEWBY'S PEST LAWN AND WEED CONTROL:					
190.00					
<b>NITV FEDERAL SERVICES, LLC</b>					
14068	CCPD - CVSA TRAINING OCT 2024	08/08/2024	10-70-233 TRAVEL & TRAINING-PATROL	595.00	
Total NITV FEDERAL SERVICES, LLC:					
595.00					
<b>NUCO2</b>					
77590431	446694 - BULK CO2 POOL Y25	08/12/2024	20-40-254 CHEMICALS	468.18	
77610596	446694 - BULK CO2 POOL Y25	08/16/2024	20-40-254 CHEMICALS	412.50	
Total NUCO2:					
880.68					
<b>PEAK ASPHALT LLC</b>					
8-582189	CE716 - CHIP OIL	08/13/2024	10-79-269 MAINTENANCE-CHIP SEALING	18,850.80	
8-582194A	CE716 - CHIP OIL	08/12/2024	10-79-269 MAINTENANCE-CHIP SEALING	18,128.60	
8-582195	CE716 - CHIP OIL	08/13/2024	10-79-269 MAINTENANCE-CHIP SEALING	18,340.20	
8-583666	CE716 - CHIP OIL	08/18/2024	10-79-269 MAINTENANCE-CHIP SEALING	18,463.20	

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8-583667	CE716 - CHIP OIL	08/18/2024	10-79-269 MAINTENANCE-CHIP SEALING	18,558.10	
	Total PEAK ASPHALT LLC:			92,340.90	
<b>PENWORTHY COMPANY</b>					
0601275-IN	00-5440020_001 - LBRY CHILDREN MA	08/06/2024	10-87-483 BOOKS-CHILDREN	217.71	
	Total PENWORTHY COMPANY:			217.71	
<b>PLAYAWAY PRODUCTS LLC</b>					
472224	CC LBRY - BOOKS	08/21/2024	10-87-481 BOOKS-GENERAL COLLECTION	378.69	
	Total PLAYAWAY PRODUCTS LLC:			378.69	
<b>POLYDYNE INC</b>					
1857232	108711 - POLYMER EMULSION Y25	08/14/2024	53-56-254 CHEMICALS	13,069.29	
	Total POLYDYNE INC:			13,069.29	
<b>PRECISION MOBILE BLASTING</b>					
462	CCPD - GRAFFITI REMOVAL	08/08/2024	10-70-420 WEED ABATEMENT	1,050.00	
	Total PRECISION MOBILE BLASTING:			1,050.00	
<b>RHINEHART OIL COMPANY LLC</b>					
IN-092355-24	114513 - WTR - FUEL & OIL	06/04/2024	51-40-251 GAS & OIL	969.97	
IN-142509-24	114513 - WTR - FUEL & OIL	07/03/2024	51-40-251 GAS & OIL	745.25	
IN-195796-24	114513 - WTR - FUEL & OIL	08/09/2024	51-40-251 GAS & OIL	1,803.61	
	Total RHINEHART OIL COMPANY LLC:			3,518.83	
<b>ROCKY MOUNTAIN POWER</b>					
JUL 2024	75494886-019 4- JUL 2024 POWER	08/06/2024	10-42-270 UTILITIES	5,297.30	
JUL 2024	75494886-019 4- JUL 2024 POWER	08/06/2024	10-53-635 FESTIVAL PROMOTIONS	10.97	
JUL 2024	75494886-019 4- JUL 2024 POWER	08/06/2024	61-40-270 UTILITIES-PUBLIC WORKS FACILIT	1,204.26	
JUL 2024	75494886-019 4- JUL 2024 POWER	08/06/2024	28-40-270 UTILITIES	8,701.72	
JUL 2024	75494886-019 4- JUL 2024 POWER	08/06/2024	51-40-270 UTILITIES-WATER	141,836.52	
JUL 2024	75494886-019 4- JUL 2024 POWER	08/06/2024	52-55-270 UTILITIES-SEWER COLLECTION	1,467.77	
JUL 2024	75494886-019 4- JUL 2024 POWER	08/06/2024	53-56-270 UTILITIES-SEWER PLANT	24,952.77	
JUL 2024	75494886-019 4- JUL 2024 POWER	08/06/2024	55-40-270 UTILITIES-SOLID WASTE	10.86	
JUL 2024	75494886-019 4- JUL 2024 POWER	08/06/2024	56-41-270 UTILITIES-EAST PARKING AUTH	276.54	
JUL 2024	75494886-019 4- JUL 2024 POWER	08/06/2024	10-87-270 UTILITIES-LIBRARY	3,879.07	
JUL 2024	75494886-019 4- JUL 2024 POWER	08/06/2024	10-90-270 UTILITIES-CROSS HOLLOWS EVENTS	3,059.29	
JUL 2024	75494886-019 4- JUL 2024 POWER	08/06/2024	10-92-270 UTILITIES-HERITAGE CENTER	5,857.88	
JUL 2024	75494886-019 4- JUL 2024 POWER	08/06/2024	20-40-270 UTILITIES-AQUATIC CENTER	10,528.69	
JUL 2024	75494886-019 4- JUL 2024 POWER	08/06/2024	22-40-270 UTILITIES-CATS	818.12	
JUL 2024	75494886-019 4- JUL 2024 POWER	08/06/2024	24-40-270 UTILITIES-AIRPORT	8,459.85	
JUL 2024	75494886-019 4- JUL 2024 POWER	08/06/2024	10-60-270 UTILITIES	199.24	
JUL 2024	75494886-019 4- JUL 2024 POWER	08/06/2024	10-73-270 UTILITIES-FIRE	1,496.25	
JUL 2024	75494886-019 4- JUL 2024 POWER	08/06/2024	10-76-270 UTILITIES	464.63	
JUL 2024	75494886-019 4- JUL 2024 POWER	08/06/2024	10-79-272 UTILITIES-RAIL ROAD CROSSING	66.70	
JUL 2024	75494886-019 4- JUL 2024 POWER	08/06/2024	10-79-271 UTILITIES-STREET LIGHTING	5,026.60	
JUL 2024	75494886-019 4- JUL 2024 POWER	08/06/2024	10-83-270 UTILITIES-PARKS & CEMETERY	1,669.62	
	Total ROCKY MOUNTAIN POWER:			225,284.65	
<b>ROOTS 2 LEAVES LLC</b>					
1816	CC CMTRY - REMOVAL OF TREES	08/18/2024	10-83-732 CAP OUTLAY-CEMETERY	10,348.75	

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Total ROOTS 2 LEAVES LLC:					10,348.75
SCHINDLER ELEVATOR CORPORATION					
9170257711	702303 - CCC ELEVATOR MAINT ARPT	08/31/2024	24-40-262 BUILDING & GROUND MAINTENANCE	107.12	
9170257711	702303 - CCC ELEVATOR MAINT AQT	08/31/2024	20-40-262 BUILDING & GROUND MAINTENANCE	107.12	
9170257711	702303 - CCC ELEVATOR MAINT CO Y	08/31/2024	10-42-262 BUILDING & GROUND MAINTENANCE	107.12	
9170257711	702303 - CCC ELEVATOR MAINT HC Y	08/31/2024	10-92-262 BUILDING & GROUND MAINTENANCE	322.39	
9170257711	702303 - CCC ELEVATOR MAINT PRK	08/31/2024	56-41-262 BUILDING & GROUND MAINTENANCE	213.21	
Total SCHINDLER ELEVATOR CORPORATION:					856.96
SCHOLZEN PRODUCTS COMPANY					
1030059-00	100592 - MISC SUPPLIES	08/15/2024	51-40-255 WATER SYSTEM MAINTENANCE	638.00	
1030171-00	100592 - MISC SUPPLIES	08/15/2024	51-40-255 WATER SYSTEM MAINTENANCE	319.00	
3048518-00	100592 - MISC SUPPLIES	08/16/2024	51-40-255 WATER SYSTEM MAINTENANCE	12.00	
6811859-03	100592 - MISC SUPPLIES	08/19/2024	51-40-255 WATER SYSTEM MAINTENANCE	362.56	
6811859-04	100592 - MISC SUPPLIES	08/20/2024	51-40-255 WATER SYSTEM MAINTENANCE	1,803.54	
6837072-01	100592 - MISC SUPPLIES	08/19/2024	51-40-255 WATER SYSTEM MAINTENANCE	770.44	
6844599-00	100592 - MISC SUPPLIES	08/13/2024	51-40-255 WATER SYSTEM MAINTENANCE	1,878.66	
6850370-00	100592 - MISC SUPPLIES	08/15/2024	51-40-255 WATER SYSTEM MAINTENANCE	1,233.98	
6850390-00	100592 - MISC SUPPLIES	08/15/2024	51-40-255 WATER SYSTEM MAINTENANCE	13,630.86	
6851325-00	100592 - MISC SUPPLIES	08/20/2024	51-40-255 WATER SYSTEM MAINTENANCE	3,965.00	
Total SCHOLZEN PRODUCTS COMPANY:					24,614.04
SIGNATURE STRIPING SOLUTIONS					
1112	CC STRT - STRIPING LAYOUT	08/19/2024	10-79-266 MAINTENANCE-STRIPING	2,106.80	
Total SIGNATURE STRIPING SOLUTIONS:					2,106.80
SKAGGS PUBLIC SAFETY EQUIPMENT					
450_A_243405_1	103035 - CCPD - UNIFORMS	08/12/2024	10-70-620 UNIFORM PURCHASE	739.60	
Total SKAGGS PUBLIC SAFETY EQUIPMENT:					739.60
SOUTHERN UTAH MUSEUM OF ART					
RAP TAX 24/25 #1	CCC - RAP TAX 24/25 #1 ALLOCATION	08/21/2024	29-40-100 DISTRIBUTIONS TO ARTS	22,500.00	
Total SOUTHERN UTAH MUSEUM OF ART:					22,500.00
SOUTHWEST FORENSIC NURSING & HEALTHCARE					
CCPD C2402537	20241297 - FORENSIC EXAMS	08/01/2024	10-70-457 MAJOR INVESTIGATION SUPPLIES	1,250.00	
Total SOUTHWEST FORENSIC NURSING & HEALTHCARE:					1,250.00
ST GEORGE TOPPER LLC					
19406	WWTP - IN BED TRUCK STORAGE	07/16/2024	53-56-252 EQUIPMENT MAINTENANCE	1,649.00	
Total ST GEORGE TOPPER LLC:					1,649.00
STANDARD RESTAURANT EQUIP CO.					
STG2371228	36062 - JANITORIAL SUPPLIES	08/22/2024	20-40-261 JANITORIAL SUPPLIES	133.18	
STG2371232	36062 - JANITORIAL SUPPLIES	08/22/2024	61-40-261 JANITORIAL SUPPLIES	133.18	
Total STANDARD RESTAURANT EQUIP CO.:					266.36

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<b>TDS</b>					
SEP 2024	8224500010203836- TDS SEP 2024	08/17/2024	10-41-280 TELEPHONE	79.77	
SEP 2024	8224500010203836- TDS SEP 2024	08/17/2024	10-70-280 TELEPHONE	16.18	
SEP 2024	8224500010203836- TDS SEP 2024	08/17/2024	10-73-270 UTILITIES-FIRE	29.39	
SEP 2024	8224500010203836- TDS SEP 2024	08/17/2024	10-76-280 TELEPHONE	11.39	
SEP 2024	8224500010203836- TDS SEP 2024	08/17/2024	10-77-280 TELEPHONE	37.59	
SEP 2024	8224500010203836- TDS SEP 2024	08/17/2024	10-83-280 TELEPHONE	11.39	
SEP 2024	8224500010203836- TDS SEP 2024	08/17/2024	10-90-280 TELEPHONE	11.39	
SEP 2024	8224500010203836- TDS SEP 2024	08/17/2024	10-92-280 TELEPHONE	45.57	
SEP 2024	8224500010203836- TDS SEP 2024	08/17/2024	20-40-280 TELEPHONE	34.18	
SEP 2024	8224500010203836- TDS SEP 2024	08/17/2024	24-40-280 TELEPHONE	22.78	
SEP 2024	8224500010203836- TDS SEP 2024	08/17/2024	28-40-280 TELEPHONE	22.78	
SEP 2024	8224500010203836- TDS SEP 2024	08/17/2024	53-56-280 TELEPHONE	37.59	
Total TDS:					360.00
<b>TECHNICAL MARKETING COMPANY</b>					
04454	CCWWTP - CHLORINE GAS & SENSO	07/18/2024	53-56-480 SPECIAL DEPARTMENT SUPPLIES	555.00	
Total TECHNICAL MARKETING COMPANY:					555.00
<b>THE KEY MAKER LOCKSMITH SERVICE</b>					
38881	CCPD - ICAC DOOR KEY PAD	08/20/2024	10-70-943 FED GRANT-ICAC	1,600.00	
Total THE KEY MAKER LOCKSMITH SERVICE:					1,600.00
<b>THE LIBRARY CORPORATION</b>					
INV11002329	240103- 24/25 LS SOFTWARE SUPPO	08/15/2024	10-87-312 COMPUTER & TECH SERVICES	10,198.65	
Total THE LIBRARY CORPORATION:					10,198.65
<b>THE LINCOLN NATIONAL LIFE INSURANCE CO</b>					
4737083220 - SEP	1777486 - LIFE, LTD INSURANCE	08/10/2024	10-41-132 EMPLOYEE INSURANCE	327.12	
4737083220 - SEP	1777486 - LIFE, LTD INSURANCE	08/10/2024	10-42-132 EMPLOYEE INSURANCE	7.38	
4737083220 - SEP	1777486 - LIFE, LTD INSURANCE	08/10/2024	10-44-132 EMPLOYEE INSURANCE	24.06	
4737083220 - SEP	1777486 - LIFE, LTD INSURANCE	08/10/2024	10-60-132 EMPLOYEE INSURANCE	104.98	
4737083220 - SEP	1777486 - LIFE, LTD INSURANCE	08/10/2024	10-70-132 EMPLOYEE INSURANCE	1,377.69	
4737083220 - SEP	1777486 - LIFE, LTD INSURANCE	08/10/2024	52-55-132 EMPLOYEE INSURANCE	143.25	
4737083220 - SEP	1777486 - LIFE, LTD INSURANCE	08/10/2024	53-56-132 EMPLOYEE INSURANCE	299.71	
4737083220 - SEP	1777486 - LIFE, LTD INSURANCE	08/10/2024	54-40-132 EMPLOYEE INSURANCE	84.23	
4737083220 - SEP	1777486 - LIFE, LTD INSURANCE	08/10/2024	55-40-132 EMPLOYEE INSURANCE	103.19	
4737083220 - SEP	1777486 - LIFE, LTD INSURANCE	08/10/2024	61-40-132 EMPLOYEE INSURANCE	25.68	
4737083220 - SEP	1777486 - LIFE, LTD INSURANCE	08/10/2024	10-92-132 EMPLOYEE INSURANCE	80.39	
4737083220 - SEP	1777486 - LIFE, LTD INSURANCE	08/10/2024	20-40-132 EMPLOYEE INSURANCE	76.75	
4737083220 - SEP	1777486 - LIFE, LTD INSURANCE	08/10/2024	24-40-132 EMPLOYEE INSURANCE	75.81	
4737083220 - SEP	1777486 - LIFE, LTD INSURANCE	08/10/2024	28-40-132 EMPLOYEE INSURANCE	155.40	
4737083220 - SEP	1777486 - LIFE, LTD INSURANCE	08/10/2024	30-40-132 EMPLOYEE INSURANCE	33.98	
4737083220 - SEP	1777486 - LIFE, LTD INSURANCE	08/10/2024	51-40-132 EMPLOYEE INSURANCE	359.12	
4737083220 - SEP	1777486 - LIFE, LTD INSURANCE	08/10/2024	10-81-132 EMPLOYEE INSURANCE	352.49	
4737083220 - SEP	1777486 - LIFE, LTD INSURANCE	08/10/2024	10-83-132 EMPLOYEE INSURANCE	287.75	
4737083220 - SEP	1777486 - LIFE, LTD INSURANCE	08/10/2024	10-84-132 EMPLOYEE INSURANCE	25.84	
4737083220 - SEP	1777486 - LIFE, LTD INSURANCE	08/10/2024	10-85-132 EMPLOYEE INSURANCE	63.46	
4737083220 - SEP	1777486 - LIFE, LTD INSURANCE	08/10/2024	10-87-132 EMPLOYEE INSURANCE	128.31	
4737083220 - SEP	1777486 - LIFE, LTD INSURANCE	08/10/2024	10-90-132 EMPLOYEE INSURANCE	59.45	
4737083220 - SEP	1777486 - LIFE, LTD INSURANCE	08/10/2024	10-73-132 EMPLOYEE INSURANCE	125.74	
4737083220 - SEP	1777486 - LIFE, LTD INSURANCE	08/10/2024	10-75-132 EMPLOYEE INSURANCE	143.83	
4737083220 - SEP	1777486 - LIFE, LTD INSURANCE	08/10/2024	10-76-132 EMPLOYEE INSURANCE	24.78	
4737083220 - SEP	1777486 - LIFE, LTD INSURANCE	08/10/2024	10-77-132 EMPLOYEE INSURANCE	73.77	

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4737083220 - SEP	1777486 - LIFE, LTD INSURANCE	08/10/2024	10-78-132 EMPLOYEE INSURANCE	156.54	
4737083220 - SEP	1777486 - LIFE, LTD INSURANCE	08/10/2024	10-79-132 EMPLOYEE INSURANCE	360.31	
	Total THE LINCOLN NATIONAL LIFE INSURANCE CO:			5,081.01	
	<b>THE PARTRIDGE PSYCHOLOGICAL GROUP</b>				
5928	CCPD - PRE-EMP EVAL R.SKIVER, A.A	08/19/2024	10-70-310 PROF & TECH SERVICES	852.00	
	Total THE PARTRIDGE PSYCHOLOGICAL GROUP:			852.00	
	<b>TRAFFIC LOGIX CORP</b>				
SIN26216	CED007 - 24/25 WD-ANNUAL FEES	08/12/2024	10-70-312 COMPUTER & TECH SERVICES	9,350.00	
SIN26323	CED007 - DRIVER FEEDBACK SIGNS	08/20/2024	10-70-740 CAP OUTLAY-EQUIPMENT	18,535.00	
	Total TRAFFIC LOGIX CORP:			27,885.00	
	<b>TURF SOLUTIONS</b>				
5321	CC CRG - DEEP TINE AERIFICATION	08/20/2024	28-40-480 SPECIAL DEPARTMENT SUPPLIES	4,071.52	
	Total TURF SOLUTIONS:			4,071.52	
	<b>TYTAN SECURITY</b>				
R 73768	TY6807 - AQUATIC SECURITY Y25	07/28/2024	20-40-280 TELEPHONE	59.98	
	Total TYTAN SECURITY:			59.98	
	<b>UNIFIRST CORPORATION</b>				
2310033597	1895630 - PRK UNIFORM SERVICE	08/15/2024	10-83-451 UNIFORM SERVICE	91.65	
	Total UNIFIRST CORPORATION:			91.65	
	<b>UNION GRAPHIC COMPANY LLC</b>				
3264	CCPD - SRO VEHICLE WRAP	08/13/2024	10-70-640 LIQUOR ENFORCEMENT	3,253.36	
	Total UNION GRAPHIC COMPANY LLC:			3,253.36	
	<b>UTAH/YAMAS CONTROLS INC</b>				
102349	CCC - HVAC CONTROL REPAIR	07/16/2024	10-42-262 BUILDING & GROUND MAINTENANCE	235.00	
	Total UTAH/YAMAS CONTROLS INC:			235.00	
	<b>VERIZON WIRELESS</b>				
9971631498	571244071-00001 AUG 2024 CELLS	08/16/2024	10-44-280 TELEPHONE	14.52	
9971631498	571244071-00001 AUG 2024 CELLS	08/16/2024	10-60-280 TELEPHONE	42.86	
9971631498	571244071-00001 AUG 2024 CELLS	08/16/2024	10-70-312 COMPUTER & TECH SERVICES	2,060.50	
9971631498	571244071-00001 AUG 2024 CELLS	08/16/2024	10-73-280 TELEPHONE	280.07	
9971631498	571244071-00001 AUG 2024 CELLS	08/16/2024	10-75-280 TELEPHONE	282.92	
9971631498	571244071-00001 AUG 2024 CELLS	08/16/2024	10-77-280 TELEPHONE	40.01	
9971631498	571244071-00001 AUG 2024 CELLS	08/16/2024	10-79-280 TELEPHONE	125.73	
9971631498	571244071-00001 AUG 2024 CELLS	08/16/2024	10-81-280 TELEPHONE	42.86	
9971631498	571244071-00001 AUG 2024 CELLS	08/16/2024	10-83-280 TELEPHONE	51.52	
9971631498	571244071-00001 AUG 2024 CELLS	08/16/2024	24-40-280 TELEPHONE	122.88	
9971631498	571244071-00001 AUG 2024 CELLS	08/16/2024	28-40-280 TELEPHONE	40.01	
9971631498	571244071-00001 AUG 2024 CELLS	08/16/2024	30-40-240 OFFICE SUPPLIES & EXPENSE	40.01	
9971631498	571244071-00001 AUG 2024 CELLS	08/16/2024	30-40-280 TELEPHONE	42.86	
9971631498	571244071-00001 AUG 2024 CELLS	08/16/2024	51-40-280 TELEPHONE	205.86	
9971631498	571244071-00001 AUG 2024 CELLS	08/16/2024	52-55-280 TELEPHONE	42.86	

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	Total VERIZON WIRELESS:			3,435.47	
<b>W.S. DARLEY &amp; CO</b>					
17536316	1125848 - CCFD LANDING ZONE LIGH	08/13/2024	10-73-450 SPECIAL PUBLIC SAFETY SUPPLIES	1,482.00	
	Total W.S. DARLEY & CO:			1,482.00	
<b>WAXIE SANITARY SUPPLY</b>					
82655660	129252 - JANITORIAL SUPPLIES ARPT	08/12/2024	24-40-261 JANITORIAL SUPPLIES	627.96	
82655663	129252 - JANITORIAL SUPL PARKS	08/12/2024	10-83-261 JANITORIAL SUPPLIES	416.16	
82671047	129252 - JANITORIAL SUPPLIES AQ	08/19/2024	20-40-261 JANITORIAL SUPPLIES	627.96	
82678288	129252 - JANITORIAL SUPPLIES AQ	08/21/2024	20-40-261 JANITORIAL SUPPLIES	86.51	
	Total WAXIE SANITARY SUPPLY:			1,758.59	
<b>WCF MUTUAL INSURANCE COMPANY</b>					
7999157	208414 - WRK COMP SEP 2024	09/03/2024	10-41-134 WORKERS COMPENSATION	439.39	
7999157	208414 - WRK COMP SEP 2024	09/03/2024	10-42-134 WORKERS COMPENSATION	13.73	
7999157	208414 - WRK COMP SEP 2024	09/03/2024	10-44-134 WORKERS COMPENSATION	274.60	
7999157	208414 - WRK COMP SEP 2024	09/03/2024	10-60-134 WORKERS COMPENSATION	192.22	
7999157	208414 - WRK COMP SEP 2024	09/03/2024	61-40-134 WORKERS COMPENSATION	54.92	
7999157	208414 - WRK COMP SEP 2024	09/03/2024	30-40-134 WORKERS COMPENSATION	68.65	
7999157	208414 - WRK COMP SEP 2024	09/03/2024	51-40-134 WORKERS COMPENSATION	1,029.76	
7999157	208414 - WRK COMP SEP 2024	09/03/2024	52-55-134 WORKERS COMPENSATION	384.44	
7999157	208414 - WRK COMP SEP 2024	09/03/2024	53-56-134 WORKERS COMPENSATION	659.05	
7999157	208414 - WRK COMP SEP 2024	09/03/2024	54-40-134 WORKERS COMPENSATION	356.98	
7999157	208414 - WRK COMP SEP 2024	09/03/2024	55-40-134 WORKERS COMPENSATION	411.90	
7999157	208414 - WRK COMP SEP 2024	09/03/2024	10-90-134 WORKERS COMPENSATION	137.30	
7999157	208414 - WRK COMP SEP 2024	09/03/2024	10-92-134 WORKERS COMPENSATION	178.49	
7999157	208414 - WRK COMP SEP 2024	09/03/2024	20-40-134 WORKERS COMPENSATION	164.76	
7999157	208414 - WRK COMP SEP 2024	09/03/2024	22-40-134 WORKERS COMPENSATION	.00	
7999157	208414 - WRK COMP SEP 2024	09/03/2024	24-40-134 WORKERS COMPENSATION	164.76	
7999157	208414 - WRK COMP SEP 2024	09/03/2024	28-40-134 WORKERS COMPENSATION	356.98	
7999157	208414 - WRK COMP SEP 2024	09/03/2024	10-79-134 WORKERS COMPENSATION	796.35	
7999157	208414 - WRK COMP SEP 2024	09/03/2024	10-81-134 WORKERS COMPENSATION	919.92	
7999157	208414 - WRK COMP SEP 2024	09/03/2024	10-83-134 WORKERS COMPENSATION	562.94	
7999157	208414 - WRK COMP SEP 2024	09/03/2024	10-84-134 WORKERS COMPENSATION	54.92	
7999157	208414 - WRK COMP SEP 2024	09/03/2024	10-85-134 WORKERS COMPENSATION	96.11	
7999157	208414 - WRK COMP SEP 2024	09/03/2024	10-87-134 WORKERS COMPENSATION	123.57	
7999157	208414 - WRK COMP SEP 2024	09/03/2024	10-70-134 WORKERS COMPENSATION	3,624.76	
7999157	208414 - WRK COMP SEP 2024	09/03/2024	10-73-134 WORKERS COMPENSATION	1,798.65	
7999157	208414 - WRK COMP SEP 2024	09/03/2024	10-75-134 WORKERS COMPENSATION	315.79	
7999157	208414 - WRK COMP SEP 2024	09/03/2024	10-76-134 WORKERS COMPENSATION	54.92	
7999157	208414 - WRK COMP SEP 2024	09/03/2024	10-77-134 WORKERS COMPENSATION	137.30	
7999157	208414 - WRK COMP SEP 2024	09/03/2024	10-78-134 WORKERS COMPENSATION	356.98	
	Total WCF MUTUAL INSURANCE COMPANY:			13,730.14	
	Grand Totals:			1,276,189.26	

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Dated: \_\_\_\_\_

Mayor: \_\_\_\_\_

City Council: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

City Recorder: Renon Savage  
City Treasurer: Rhian Carlson

Report Criteria:

Detail report.

Invoices with totals above \$0 included.

Paid and unpaid invoices included.

**CEDAR CITY**  
**CITY COUNCIL AGENDA ITEM 10**  
**STAFF INFORMATION SHEET**

<b>To:</b>	Mayor and City Council
<b>From:</b>	Jonathan Stathis
<b>Council Meeting Date:</b>	September 11, 2024
<b>Subject:</b>	<b>Consider a resolution revising Section 4.2.1, Detail W1A, and Detail W2 of the City Engineering Standards regarding HDPE pipe.</b>

**Discussion:** On August 21<sup>st</sup>, a proposed revision was presented to the City Council to add HDPE Pipe as an option for pressurized water lines. Based on the discussion in the City Council, there were some changes that needed to be made to the proposed Engineering Standard revision. A meeting was held on August 23rd with local contractors to discuss the new HDPE pipe standard. City staff has also met to discuss the changes.

Based on these meetings, the following related modifications have been proposed to Section 4.2.1 since the last City Council meeting when this was discussed. During the meetings, it was found that there were also some modifications to the Ductile Iron and PVC C900 standards that would be beneficial to ensure that all three of the proposed pipe materials (Ductile Iron, PVC C900, and HDPE) are being implemented into the City's Engineering Standards as equally as possible.

The following is a summary of the proposed changes since the last City Council meeting:

1. Ductile Iron Pipe Classes - Section 4.2.1(4)(c): Based on discussions with the local contractors, there was a request to expand the classes of ductile iron pipe that would be allowed in the City's Engineering Standards. Currently, the only allowable class of ductile iron pipe is Class 50. It is proposed to expand this standard to include Classes 51 and 52. There have been situations in the past where there has been significant lead time and difficulty in getting Class 50. This will provide additional options to contractors that will allow the use of Class 51 and 52. The wall thickness changes for Classes 50, 51, and 52. The

following table shows the difference for a typical 8-inch diameter ductile iron pipe in the different classes.

**Table 1: Ductile Iron Pipe Classes 50, 51, and 52**

Thickness Class	Diameter (inches)	Pressure Rating (psi)	Outside Diameter (inches)	Wall Thickness (inches)	Inside Diameter (inches)
50	8	350	9.05	0.27	8.51
51	8	350	9.05	0.30	8.45
52	8	350	9.05	0.33	8.39

The inside diameter is smaller for Classes 51 and 52, but it is still greater than the diameter that the pipe is modeled for. Based on this, City staff agree with this proposed revision to allow Classes 51 and 52 for ductile iron pipe.

2. PVC Trench Conditions - Section 4.2.1(4)(d)(2): In order to conform to City Standard Detail R1, the bedding underneath the PVC C900 pipe is proposed to be changed from 6 inches to 4 inches. This also agrees with the recommendation from local contractors of 3 - 4 inches of bedding, when needed. 4 inches of bedding provides adequate protection against damage from rocks in the underlying soil material. This section was also revised to state that the bedding is not required if the native material is free of rock  $\frac{3}{4}$ -inch minus and above. In the case where the bottom of the trench is free of rock, it is actually better to lay the pipe on native soil rather than disturbing the soil and risking the potential for future settlement of the pipe trench. In situations where bedding is required, it is being clarified that the native soil can be used if the native material is free of rock  $\frac{3}{4}$ " minus or above.
3. Maximum Working Pressure of PVC C900 Pipe - Section 4.2.1(4)(d)(4): The current standard requires PVC C900 pipe to be DR18 which has a pressure rating of 235 psi. In order to provide a more equitable comparison with the other pipe materials, it is proposed to increase the allowable working pressure to 200 psi. The current standard is set at a working pressure of 150 psi. The proposed revision will allow PVC C900 in locations where the working pressure is less than 200

psi. In addition, it will allow PVC C900 to be used in locations where the system pressure is controlled by a pressure reducing valve (PRV) where the working pressure upstream of the PRV is less than 200 psi.

4. Maximum Pipe Diameter of PVC C900 Pipe - Section 4.2.1(4)(d)(6): The current standard requires PVC C900 pipe to be limited to 8-inch diameter and below. This proposed revision will expand the use of PVC C900 to include pipe diameters up to 12-inch which covers the majority of the City's distribution lines. This will provide additional options for the use of PVC C900.
5. Tracer Wire and Caution Tape with PVC C900 Pipe - Section 4.2.1(4)(d)(6): It is proposed to revise the tracer wire intervals for attachment to the pipe from 10 feet to 20 feet along PVC C900 pipe. This will provide adequate protection for the tracer wire being attached while not being overly burdensome during installation. Also, there was some discussion about deleting the caution tape that is required; however, it was determined that it was beneficial to have the caution tape when digging in case the line is not able to be marked or the markings are off.
6. Storage of PVC Pipe - Section 4.2.1(4)(d)(9): The current standard requires PVC C900 pipe to be stored in a climate - controlled building. As long as the pipe is stored in a manner that prevents sun exposure, then that will be adequate to ensure the long-term strength of the pipe material.
7. Inspection of PVC Pipe Prior to Installation - Section 4.2.1(4)(d)(12): The current standard provides some general language regarding scratches and gouges of the pipe. The discussion in the meetings centered on what the measurable criteria should be to reject PVC pipe that has scratches or gouges. In reviewing the literature, it was found that the industry standard is to reject pipe that has a scratch or gouge that exceeds a depth of 10% of the wall thickness. This is stated in the AWWA C605.
8. Contractor Education and Certification - Section 4.2.1(4)(d)(15): The current standard requires that contractors

have the proper certifications to install PVC C900 pipe. Since the installation of PVC C900 is very similar to ductile iron and local contractors are familiar with the installation of PVC, it is proposed that this section be changed to read that the contractor education and certification is encouraged, but not required.

9. HDPE Trench Conditions - Section 4.2.1(4)(e)(2): In order to conform to City Standard Detail R1, the bedding underneath the HDPE pipe is proposed to be changed from 6 inches to 4 inches. This also agrees with the recommendation from local contractors of 3 - 4 inches of bedding, when needed. 4 inches of bedding provides adequate protection against damage from rocks in the underlying soil material. This section was also revised to state that the bedding is not required if the native material is free of rock  $\frac{3}{4}$ -inch minus and above. In the case where the bottom of the trench is free of rock, it is actually better to lay the pipe on native soil rather than disturbing the soil and risking the potential for future settlement of the pipe trench. In situations where bedding is required, it is being clarified that the native soil can be used if the native material is free of rock  $\frac{3}{4}$ " minus or above.
10. Maximum Working Pressure of HDPE Pipe - Section 4.2.1(4)(e)(4): In order to provide a more equitable comparison with the other pipe materials, it is proposed to increase the allowable working pressure to 200 psi. The current proposal is set at a working pressure of 150 psi. The proposed revision will allow HDPE in locations where the working pressure is less than 200 psi. In addition, it will allow HDPE to be used in locations where the system pressure is controlled by a pressure reducing valve (PRV) where the working pressure upstream of the PRV is less than 200 psi. This will be a similar specification to the change that is being proposed for PVC C900.
11. Tracer Wire and Caution Tape with HDPE Pipe - Section 4.2.1(4)(e)(7): It is proposed to revise the tracer wire intervals for attachment to the pipe from 10 feet to 20 feet along HDPE pipe. This will provide adequate protection for the tracer wire being attached while not being overly burdensome during installation. Also, there was some discussion about deleting the

caution tape that is required; however, it was determined that it was beneficial to have the caution tape when digging in case the line is not able to be marked or the markings are off

**12. Inspection of HDPE Pipe Prior to Installation - Section**

4.2.1(4)(e)(10) & (14): The previous proposal provided some general language regarding scratches and gouges of the pipe. The discussion in the meetings centered on what the measurable criteria should be to reject HDPE pipe that has scratches or gouges. In reviewing the literature, it was found that the industry standard is to reject pipe that has a scratch or gouge that exceeds a depth of 10% of the wall thickness. This is stated in the AWWA M55.

**13. Mechanical Joining - Pipeline Identification - Section**

4.2.1(4)(e)(16): In order for mechanical joint fittings to work properly with HDPE pipe, there needs to be stainless steel pipe end stiffeners installed. The stiffener will need to be a Romac stainless steel pipe end stiffener, or approved equal.

**14. Pipeline Identification - Section 4.2.1(4)(e)(17):** During the meetings, there was some discussion about eliminating the requirement for the blue (potable water) or purple (reclaimed water) stripe on HDPE pipe. However, City staff proposes to keep the colored stripe requirement in order to provide identification when a pipe is excavated. This is especially important in locations where there will be both a culinary line and a wastewater effluent line running in the same corridor. The only change proposed in this section is to eliminate the requirement for a 2-inch wide stripe. According to Dustin Langston of WL Plastics, the width of the colored stripe varies based on the pipe diameter.

**15. Storage and Handling - Section 4.2.1(4)(e)(20):** HDPE pipe is not subject to sun burning degradation like PVC C900, so it is proposed to eliminate the requirement to store HDPE in a shaded area.

**16. Pressure Testing of HDPE Pipe - Section 4.2.1(4)(e)(21):** A sentence is proposed to be added to not allow pressure testing to be done at the same time as chlorination of HDPE pipe. The

higher doses of chlorine introduced during the initial chlorination process can cause problems if done under pressure. The pressure test and the chlorination process need to be done separately for HDPE pipe. For ductile iron pipe and PVC C900 pipe, the pressure test and chlorination will still be allowed to occur simultaneously.

17. Contractor Education and Certification - add Section

4.2.1(4)(e)(24): Fusing HDPE pipe is a much different process than installing ductile iron or PVC pipe. This section is proposed to be added in order to ensure that contractors are properly trained and certified in the installation of HDPE pipe. The training and certification need to be done according to ASTM F3190-21. The contractor will need to have a current “Heat Fusion Equipment Operator Qualification” card in order to install HDPE pipe.

18. Copper Pipe and Poly Pipe - Section 4.2.1(4)(j): - Another item that has had a lot of discussion is considering eliminating Copper pipe entirely from the City Engineering Standards. Currently, the EPA has a mandate that all lead pipe be taken out of service. The overall rule is called the “Lead and Copper Rule.” However, it’s not clear at this point whether copper pipe will be banned at some point. Copper laterals are still allowed in Plumbing Code. City staff is still trying to gather further information from the Utah Division of Drinking Water. One advantage of copper is that it can be pulled across long side crossings when an old, galvanized lateral needs to be replaced, thereby not having to make an open cut of the road. It is proposed to change the service lateral standard to allow Poly Pipe in all areas where the working pressure is less than 250 psi or where the working pressure upstream of a PRV is less than 250 psi. In these cases, Poly Pipe would be acceptable to use with ductile iron pipe, PVC, and HDPE. By giving contractors the option, it is likely that Poly Pipe will become the preferred option due to cost and ease of installation.

In addition to the proposed changes in the text of the City Engineering Standards, there are also a few changes that would need to be made to the Standard Detail Drawings. Detail W1A and

Detail W2 are proposed to be revised in order to apply the changes for HDPE pipe.

The following items are included with this Information Sheet:

1. Proposed resolution for the Engineering Standards Revision.
2. Proposed revisions to Section 4.2.1 of the Cedar City Engineering Standards. Latest revisions are shown in blue color.
3. Proposed revision to Detail W1A of the Cedar City Engineering Standards.
4. Proposed revision to Detail W2 of the Cedar City Engineering Standards

If approved, the revisions to the City Engineering Standards will need to be adopted by Resolution. A proposed resolution is included with this Information Sheet.

Please consider whether to approve changes to the Engineering Standards to allow HDPE pipe and other proposed revisions related to Ductile Iron pipe and PVC C900 pipe. Thank you for your consideration.

**CEDAR CITY RESOLUTION NO. \_\_\_\_\_**  
**A RESOLUTION AMENDING THE CITY's ENGINEERING STANDARDS**

**WHEREAS**, beginning in 1995 the City adopted engineering standards for all work to be located within the public streets, rights-of-way, and easements within the City; and

**WHEREAS**, these engineering standards also contain specifications for infrastructure items that are connected to or impact the City's facilities; and

**WHEREAS**, from time to time the engineering standards have been updated or modified; and

**WHEREAS**, attached hereto and incorporated herein as Exhibit A, there is a proposed amendment to the City's engineering standards regarding the inclusion of HDPE pipe as an option for pressurized waterlines and other related revisions to the specifications for Ductile Iron pipe and PVC C900 pipe in Section 4.2.1, Detail W1A, and Detail W2; and

**WHEREAS**, the proposed amendment has been reviewed and received a positive recommendation from the City's Planning Commission.

**NOW THEREFORE** be it resolved by the City Council of Cedar City, Iron County, State of Utah, that the amendment to the City's engineering standards contained in Exhibit A is hereby adopted. This resolution shall take effect immediately upon passage.

**Council Vote:**

Cox -  
Phillips -  
Melling -  
Riddle -  
Wilkey -

Dated this \_\_\_\_ day of September, 2024.

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GARTH O. GREEN  
MAYOR

[SEAL]

ATTEST:

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RENON SAVAGE  
RECORDER

# EXHIBIT A

Resolution No. \_\_\_\_\_  
amendment to the City's engineering standards

#### 4.2.1 MATERIALS

This section specifies acceptable pipe and accessories for public sanitary sewers, underground culverts, storm drains, and water pipe construction within Cedar City. The materials used for pipe and fittings shall be new and shall conform to the requirements for class, brand, size and material as specified.

1. **Sewer Pipe:** Only those pipes listed below may be used in the construction of sanitary sewer lines in Cedar City.
  - a. **P.V.C. Plastic Sewer Pipe:** This Specification covers rigid polyvinyl chloride pipe and fittings, hereinafter called PVC fittings. PVC pipe and fittings from 4 inches to 15 inches in diameter shall meet or exceed all of the requirements of ASTM Specification D 3034 with a minimum wall thickness to diameter ratio of SDR-35. PVC pipe and fittings from 18 inches to 27 inches in diameter shall meet or exceed the requirements of ASTM F 679.

Each pipe used shall have a manufacturer's stamp on it indicating that it complies with the requirements of the appropriate specification. Any pipe not so stamped shall be rejected.

All pipe shall be homogeneous throughout and free from cracks, holes, foreign inclusions or other defects. All PVC sewer pipe shall be made from clean, virgin, Type 1, Grade 1, Polyvinyl Chloride conforming to ASTM Resin Specification D 1784.

All pipe joints shall be bell and spigot type with rubber ring gasket to permit expansion and contraction. Pipe and fittings shall be assembled with a non-toxic lubricant. Pipes of 4-inch and 6-inch diameter may be the solvent weld type. Pipe shall have the following minimum SDR-35 dimensions:

NOMINAL PIPE SIZE (INCHES)	OUTSIDE DIAMETER (INCHES)	MINIMUM WALL THICKNESS (INCHES)
4	4.215	0.125
6	6.275	0.180
8	8.400	0.240
10	10.500	0.300
12	12.500	0.360

Spigot ends shall have a 15° tapered end with a memory mark around the diameter of the pipe to indicate proper insertion depth.

b A.B.S. Composite and Solid Wall Sewer Pipe: This specification covers Acrylonitrile-Butadiene-Sturine (ABS) gravity sewer pipe. All ABS composite sewer pipe shall conform to the latest revision of ASTM Specification D 2680. The ABS material used shall be a virgin rigid plastic conforming to ASTM Specification D 1788 for rigid ABS plastics. The other component shall be Portland Cement, Perlite concrete, or other inert filler material exhibiting the same degree of performance.

All solid wall ABS pipe shall conform to ASTM Specifications D 2751. Solid wall pipe used for laterals shall have a minimum wall thickness to diameter ratio of SDR-35. Fittings not described by these standards shall be shop fabricated or molded from materials listed in Paragraphs 4 and 5 of ASTM D 2680 and shall be of equivalent quality to those described.

All field joints shall be chemically welded. Primer, then cement, shall be applied liberally to the outside of the spigot end and the inside of the coupling immediately prior to stabbing the pipe together. The pipe spigot end shall be supplied with home marks to assure proper jointing.

c Ribbed PVC Pipe: Ribbed PVC sewer pipe (Ultra Rib by Uponor ETI or equal) may be used on all sanitary sewers and storm drains greater than 12-inch diameter when approved by the City Engineer. All ribbed pipe shall be seamless open profile and meet the requirements of ASTM F794 and Uni-Bell Uni-B-0. Pipe shall have a smooth interior with a solid cross-sectional rib exterior. Exterior ribs shall be perpendicular to the axis of the pipe to allow placement of the sealing gasket without additional cutting or machining. The pipe stiffness shall be a minimum of 46 psi when tested at 5% deflection in accordance with D2412. Pipe shall be green or white in color. The filler material used in the pipe (calcium carbonate) shall not exceed 10% by volume.

d Sewer Pipe Fitting: All sewer and storm drain pipe fittings including service lateral connections, tees, repair couplings, etc., shall be of the same material and thickness class as the main pipe. Flexible couplings (i.e. Fernco Couplings) or cast in place concrete collars will not be allowed.

2. Storm Drain Pipes: All pipes listed under section 4.2.1(l) "Sewer Pipes" of these standards as well as the following pipes may be used in the construction of storm drain lines and culverts in Cedar City.

a Non-Reinforced Concrete Pipe: Non-reinforced concrete sewer pipe may be used for storm drains up to and including 24-inch size unless otherwise specifically designated in these Standards or on the approved Drawings. Pipe shall be extra strength pipe manufactured to comply with the requirements as set forth in ASTM Designation C 14,

Class 3 unless otherwise approved by the City Engineer. Joints shall be of the bell and spigot with rubber gasket design, and with joints and gaskets conforming to the requirements of ASTM Designation C 443. Pipe joints shall be so designed as to provide for self-centering, and when assembled, to compress the gasket to form a watertight seal. The gasket shall be confined in a groove on the spigot so that pipe movement or hydrostatic pressure will not displace the gasket.

- b. Reinforced Concrete Pipe: Reinforced Concrete Pipe shall be used for all storm drains using concrete pipe greater than 24 inches in diameter. Reinforced concrete pipe shall comply with the requirements of ASTM C 76 (Class II) unless otherwise approved by the City Engineer. Joints shall be of the bell and spigot design with rubber gasket type joints for storm drains, with an alternate option of tongue and groove mortar joints for elliptical pipe when approved by the City Engineer.
- c. Corrugated Polyethylene Pipe: Corrugated Polyethylene pipe shall be high-density polyethylene corrugated exterior/smooth interior pipe. 12 to 24-inch diameters shall conform to AASHTO M 294 Type S, or ASTM F 2306. Materials shall conform to ASTM D 3350. All pipe joints, gaskets, and fittings shall be water tight according to ASTM F2306, F477 and D 3212 and conform to AASHTO M294, and shall be approved by the City Engineer. Corrugated Polyethylene pipe shall not be used for any pipes larger than 24-inches. If cover over Corrugated Polyethylene pipe is less than 1 foot use flowable fill for backfill.
- d. Corrugated Polypropylene Pipe: Corrugated Polypropylene pipe shall be ADS HP (High Performance) Storm Pipe corrugated exterior/smooth interior pipe, or approved equal. Corrugated Polypropylene pipe may be used for storm drain pipes greater than 24 inches in diameter as an alternative to Reinforced Concrete Pipe. The maximum allowable pipe diameter for Corrugated Polypropylene pipe is 60 inches. Corrugated Polypropylene (PP) pipe shall be smooth interior and annular exterior corrugated polypropylene (PP) pipe meeting the requirements of ASTM F2881 or AASHTO M330, Type S, for respective diameters. The pipe supplied shall be watertight as defined in the joint performance requirements of the manufacturer's specifications. Virgin material and fitting production shall be an impact modified copolymer meeting the material requirements of ASTM F2881 and AASHTO M330, for respective diameters. Watertight joints shall be bell-and-spigot meeting the watertight requirements of ASTM F2881. Gaskets shall be made of polyisoprene meeting the requirements of ASTM F477. Gaskets shall be installed by the pipe manufacturer and covered with a removable wrap to ensure the gasket is free from debris. A joint lubricant supplied by the manufacturer shall be used on the gasket and bell during assembly. Corrugated Polypropylene pipe shall be installed according to manufacturer's recommendations and Cedar City Engineering Standards.

3. **Sewer Manholes:** This section covers the requirements for the materials used in sanitary sewer and storm water manholes. Manholes shall be watertight and be furnished complete with cast iron rings and covers as follows:

- Concrete Bases:** Manhole bases shall be pre-cast. Cast-in-place manhole bases will only be allowed if approved by the City Sewer Collections Division. The concrete shall conform to the requirements of Section 4.4 of these Standards.
- Where sewer lines pass through or enter manholes, the invert channels shall be smooth and semi-circular in cross section. Changes of direction of flow within the manholes shall be made with a smooth curve with the longest radius possible. The depth of the channel in the manhole base shall be the full diameter of the sewer pipe being used at that manhole. The floor of the manhole outside the flow channels shall be smooth and slope toward the channel at not less than one-half inch per foot or more than one-inch per foot.
- Wall and Cone Sections:** All manholes shall be constructed of either 48-inch or 60-inch inside diameter pre-cast, sectional, reinforced concrete. Both cylindrical and taper sections shall conform to all requirements of ASTM Designation C 478 for pre-cast reinforced concrete manhole sections and shall have ladders according to the standard drawings. Throat sections of manholes shall be adjustable by use of appropriate diameter pipe sections up to 18 inches in height. The taper section shall be a maximum of 3 feet in height, shall be of eccentric conical design, and shall taper uniformly from 48 or 60 inches to 30 inches inside diameter. Cones shall be set on the manhole sections so that the top opening of the cone is centered over the centerline of the sewer. Sixty-inch inside diameter sewer manholes shall be required for all sewers greater than 18 inches in diameter or deeper than 12 feet, or where 3 or more 8-inch or greater lines converge in the manhole. The base section of the manhole shall be furnished in section lengths of 1, 2, 3, and 4 feet as required. All joint surfaces of pre-cast sections and the face of the manhole base shall be thoroughly cleaned prior to setting the sections. Joints shall be sealed with a one-inch flexible joint sealant, which shall conform to the requirements of ASTM C 923.
- Water-Tightness:** Water-tight concrete shall be required in all concrete manholes. Any cracks or imperfections developing at any point in the work shall be satisfactorily repaired. Materials and methods used shall be subject to approval of the City Engineer.
- Iron Castings:** All iron castings shall conform to the requirements of ASTM A 48 (Class 30) for gray iron castings. Frames and covers shall have a minimum combined weight of 402 pounds. The cover and ring seat shall be machined so that the entire area of the seat will be in contact with the cover, in any position of the cover on the seat. Frames and covers shall be so constructed and machined that the parts are interchangeable. The tops of the cover and frames shall be flush, and the clearance between the frame and cover shall be 1/8 of an inch all around. The top surface of each cover shall be cast with a

ribbless cross hatch design including the word "Sewer". Letters and design shall be recessed 1/4". Each cover shall be provided with not less than twelve ventilating holes of 3/4-inch diameter each. All manhole frames shall be carefully set to the finished grade or as directed by the City Engineer.

Manhole frames shall be set in place on the manhole throat and shall be sealed with an approved flexible joint sealant that shall conform to the requirements of ASTM C 923. Frames or covers loosened from the manhole throat shall be reset and any frames, covers or throat sections damaged or broken, shall be replaced prior to acceptance by the City.

e. Manhole Steps: Manhole steps shall be constructed in accordance with the drawing "Manhole for Sanitary & Storm Sewer" as shown in the standard drawings of these standards and shall be similar in construction to the manhole step as manufactured by M.A. Industries, Inc., of Peachtree City, Georgia. The steps shall be constructed of number four (one-half-inch diameter) grade 60 reinforcing steel bars bent and embedded in Copolymer Polypropylene Plastic. The Copolymer Polypropylene Plastic, used to embed the reinforcing bars in, shall conform to the requirements of ASTM 214, Type II grade 43758, and the reinforcing bar shall conform to the requirements of ASTM A 615. Manhole steps shall be installed at intervals not to exceed 16 inches between steps, be firmly cast into the concrete wall and taper sections of all manholes to a minimum depth of 3-3/8 inches, as shown in the drawings, and form a solidly anchored step which will not pull out or break under repeated use.

4. Water Pipe and Fittings: The materials used for pipe and fittings shall be all new and shall conform to the requirements for class, brand, size and material as specified. A copy of the manufacturer's installation recommendation for each kind of pipe shall be provided to each foreman prior to construction. These recommendations shall be followed during construction. All pipe materials are as follows:

SIZE	TYPE	Formatted Table
3/4" – 1"	Copper Type K or SDR-9 poly pipe CTS (copper tubing size) allowed under certain conditions	
1 1/2" – 2"	Rigid Copper Type K (sweat fittings) or SDR-9 poly pipe CTS (copper tubing size) allowed under certain conditions	

<u>Over 2" – 8"</u>	Ductile Iron Class 50 or PVC C900 DR-18 (Pressure Class 235 psi) allowed under certain conditions
<u>4" - 8"</u>	<u>HDPE PE4710 DIPS DR-11 (Pressure Class 200 psi) allowed under certain conditions</u>
<u>Over 8"</u>	Ductile Iron Class 50 <u>or HDPE PE4710 DIPS DR-11 (Pressure Class 200 psi) allowed under certain conditions</u>

- a. General Pipe Requirements: Pipe materials shall conform to the following:
- b. Connection Water Meters: Only authorized employees of the City Water Department shall be allowed to connect or disconnect water meters. All boxes set in concrete shall be flanged to prevent settlement. **NOTE**: Where these Standards refer to AWWA Standards, a copy of these standards is available for review at the Cedar City Water Department
- c. Ductile Iron Pipe: All ductile iron pipe shall be Class 50, 51, or 52 conforming to the latest edition of AWWA Specifications C-151 (ANSI A21.51). Pipe and accessories shall be gauged at sufficiently frequent intervals to insure that dimensions are in accordance with Table 51.3 and 51.4 of AWWA Specifications C-151-76 for the gauge in accordance with the Standard Dimensions. The inside diameters of the sockets and the outside diameters of the spigot ends shall be tested with circular gauges. Unless otherwise specified, all Ductile Iron Pipe furnished under these Standards shall be designed in accordance with AWWA Specification C-150-76 "American National Standard for the Thickness Design of Ductile Iron Pipe." The maximum allowable variation with the standard pipe thickness shall not be more than those shown in table 4.1 and note:

TABLE 4.1 DUCTILE IRON PIPE TOLERANCE

PIPE DIAMETER (INCHES)	MINUS TOLERANCE (INCHES)
3-8	0.05
10-12	0.06
14-42	0.07

48	0.08
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Note: An additional tolerance of 0.02 inches shall be permitted over areas not exceeding 8 inches in length.

1. Physical and Mechanical Properties: The Ductile Cast Iron Pipe shall conform to all requirements of the ANSI Specification A21.51. The physical properties shall not be less than 60-42-10.

Each pipe shall be subjected to a hydrostatic test of not less than 500 psi. The test may be made either before or after the standard outside coating and bituminous inside coating have been applied, but shall be made before the application of a cement lining or of a special lining.

The pipe shall be under the full test pressure for at least ten seconds. Any pipe that leaks shall be rejected.

2. Marking: Each pipe shall be legibly marked "Ductile". The weight, a manufacturer's mark, and the year in which the pipe was produced shall be cast or marked on the pipe.
3. Inspection: The manufacturer shall establish the necessary quality control and inspection practice to assure compliance with these standards. The manufacturer shall, if required by the City Engineer, furnish a certified statement that the inspection and all the specified tests have been made and the results thereof comply with the requirements of these standards. When the City Engineer desires to inspect the pipe at the manufacturer's plant, the City Engineer will so specify and state the extent of the inspection. The City's inspector shall have free access to those parts of the manufacturer's plant that are necessary to assure compliance with these standards. The manufacturer shall provide the inspector with assistance to handle pipe as may be necessary.
4. Rejection of Pipe: At least one tensile and one impact sample shall be taken during each casting period of approximately three hours. Samples shall be selected to properly represent extremes of pipe diameters and thicknesses. If the results of any physical acceptance test fails to meet the requirements of these standards, all pipe cast in the same sampling period shall be rejected. The manufacturer may determine the extent of rejections by making similar additional tests of pipe until the rejected lot is bracketed (in order of manufacturer) by an acceptable test at each end of the period of question. When pipe of one size is rejected from a sampling period, the acceptability of pipe of different sizes from the same period may be established by making the routine acceptance test for these sizes.

5. **Joints:** Ductile Iron Pipe shall be either Mechanical Joints, Rubber Gasket Slip-on Joints, Flanged Joints, or a combination of the above as specified on the plans.

- i. **Mechanical Joints:** Mechanical joints and the rubber gaskets and lubricant for Ductile Iron Pipe shall comply with the requirements and be dimensioned in accordance with the latest edition of AWWA specifications C-104, C-110 and C-111.

Bolts and rubber gaskets shall be furnished with mechanical joint pipe in sufficient quantity for the amount of pipe ordered.
- ii. **Rubber Gasket Slip-On Joint:** Rubber gasket slip-on joints, and the rubber gaskets and lubricant for Ductile Iron Pipe shall comply with the general requirements of AWWA C-151 and C-111. Rubber gasket slip-on joints shall be designed for assembly by pre-positioning of a single continuous molded rubber ring gasket in an annular recess in the pipe socket to form a positive seal. The plain end of the pipe shall be suitably beveled to facilitate assembly. The design and shape of the gasket, and the annular recess therefore, shall be such that the gasket is locked in place against displacement as the joint is assembled. The gasket shall provide adequate compressive force between the plain pipe end and the socket after assembly to effect a positive seal under all combinations of joint and gasket tolerances. Details of the joint and rubber ring gasket design and assembly shall be in accordance with the pipe manufacturer's standard practice. The pipe supplier shall furnish the City Engineer detailed drawings in quadruplicate showing the design of the joint prior to casting said pipe. The design of the joint shall be subject to the approval of the City Engineer. The recess in the pipe socket for the rubber ring shall be free of all coating materials and sand pits. Rubber gaskets and lubricant shall be furnished with rubber gasket joint pipe in sufficient quantity for the amount of pipe ordered.
- iii. **Flanged Joints:** Cast iron pipe flanges, and bolts and nuts therefore, shall be dimensioned in accordance with ANSI B-16.2 for Class 200. Threads for screw-on flange pipe shall comply with ANSI B-21. Flange bolts, nuts and gaskets shall be furnished with flange joint pipe in sufficient quantity to make each joint for the pipe ordered. Flanged fittings and spools shall conform to AWWA C-104, C-110 and C-115.

6. **Lining and Coating:** The waterway surfaces of all Ductile Iron water pipe and fittings shall be completely covered with a uniform thickness of cement-mortar which shall be further covered with a bituminous seal coat, all in accordance with AWWA C-104. The bituminous seal

coat may be omitted if the cement lining is given a 7-day water cure during which the lining is kept consistently damp. Ductile Iron Pipe or Fittings lined in the field will not be accepted as conforming to AWWA C-104. The outside surface of all Ductile Iron Pipe for general use under all normal conditions shall have a bituminous coating of coal tar primer approximately 1 mil thick, unless otherwise specified. The finished coating shall be continuous and smooth. It shall be neither brittle when cold, not sticky when exposed to the sun, and shall strongly adhere to the pipe.

7. Polyethylene Wrapping: A polyethylene wrap will be required on all ductile iron pipe laid in corrosive soils. The polyethylene wrap tubing shall be cut to provide for a minimum of one foot of lap over both the adjoining pipes. The ends of the tubing shall be wrapped using three circumferential turns of plastic adhesive tape. The loose wrap on the barrel shall be pulled snugly around the barrel of the pipe and the excess folded over at the top. This fold shall be held in place by means of six-inch strips of plastic tape placed at intervals of three feet along the pipe barrel. Bends, reducers, and offsets shall be wrapped in the same manner as the pipe. Valves shall be wrapped by bringing the tube wrap on the adjacent pipe over the bells of the valve and sealing with adhesive tape. The valve bodies shall then be wrapped with flat sheets passed under the valve bottom and brought up around the body to the stem and fastened with the tape

d. Polyvinyl Chloride (PVC) C900 DR-18 Pipe:

1. DR Rating: All Polyvinyl Chloride (PVC) C900 Pipe shall be DR-18 (Pressure Class 235 psi) conforming to the latest applicable AWWA specifications.
2. Sand Bedding and Trench Conditions: A minimum of six (6) 4 inches of sandpipe bedding material is required underneath the PVC waterline and poly service laterals per Cedar City Detail R1, unless the native material is free of rock ¼-inch minus or above. It is required to backfill around the PVC waterline and poly service laterals, and to a height of at least one foot over the pipe with sandapproved backfill material per Cedar City Detail R1 for all PVC and poly waterlines. As an alternative, native soil material can be used for the bedding and pipe zone if the native soil is fine grained material free of rock ¼-inch minus and above and approved by the geotechnical engineer.
3. Pipe Backfilled at End of Working Day: All PVC waterlines will need to be backfilled with at least 12 inches of cover over the pipe at the end of each working day. PVC pipe can be affected by temperature and cause problems with installation.
4. Maximum Working Pressure of PVC C900 Set at 150200 psi: The maximum working pressure for PVC waterlines is set at 150200 psi. Ductile iron pipe is required in all locations where the working

pressure is above ~~15000~~ psi. Also, PVC waterlines are not allowed in areas where the working system pressure is controlled by a pressure reducing valve (PRV) where the working pressure upstream of the PRV is greater than 200 psi, is reduced below 150 psi by means of pressure reducing valve (PRV). Ductile iron pipe is required in areas located downstream of a PRV where the working pressure upstream of the PRV is greater than 200 psi.

5. Joint Restraints: Mega-lug joint restraints and thrust blocks are required at all fittings and elbows on PVC waterlines. A special mega-lug thrust restraint is required for PVC fittings in order to prevent damage to the PVC pipe.
6. Maximum Pipe Diameter of PVC C900 Set at 812-inch: The maximum allowable waterline diameter for PVC C900 is ~~812~~-inch diameter. All waterlines over 8-inch diameter must be Ductile Iron Class 50.
7. Pipe Deflection and Pipe Bending is Not Allowed: During the installation of PVC pipe there must be no attempt to bend the pipe or deflect the pipe at a joint. All changes in direction must be made by using fittings only. PVC pipe must be installed using a laser, similar to sewer pipe installation, to ensure that the pipe installation meets these requirements.
8. Tracer Wire and Caution Tape: All PVC waterlines and poly service laterals are required to have tracer wire installed along the pipeline. The tracer wire shall be 12 gauge type UF insulated copper locate wire. The tracer wire must be duct-taped or zip-tied to the waterline at maximum ~~1020~~-foot intervals along the pipe. After installation, the tracer wire must be tested for continuity between all access points. Any discontinuities in the tracer wire must be repaired to the satisfaction of the City. At all splices, the tracer wire must be connected with gel-filled wire connectors. Wire nuts will not be allowed. At locations where the pipe material transitions from ductile iron to PVC, the tracer wire must be cad-welded (fused) to the ductile iron pipe. Magnetic caution tape is required 12 inches above the PVC waterline along the full length of the trench.
9. Storage of PVC Pipe to Prevent Sun Exposure: PVC pipe must be stored in a building manner to prevent exposure to sunlight and keep the pipe at ambient temperature. PVC pipe showing evidence of sun burning shall not be installed.
10. Service Laterals (3/4" – 2" sizes): When using PVC C900 pipe, the service laterals can be installed as SDR-9 poly pipe CTS (copper tubing size), ASTM D2737, rated for 250 psi working pressure.
11. PVC Pipe Tapping: Tapping new service laterals into pressurized PVC pipe can be difficult. All workers who tap PVC pipe must be trained on proper tapping techniques. Workers need to be trained in doing taps

and take all safety precautions to prevent damage to the pipe and to prevent injury.

12. Inspection of Pipe Prior to Installation: All PVC C900 pipe shall be carefully inspected by the City inspector prior to installation. Any pipe with scratches, cuts, or gouges, dents that reduce the wall thickness by more than 10% are not acceptable and will be rejected; In addition, pipe showing evidence of dents, cracks, or sun burning, or other imperfections will be rejected.
13. Construction Inspection: All PVC waterlines and poly service laterals must be inspected by City inspectors in the trench prior to burying the pipe. The inspection will ensure that proper bedding has been installed underneath the pipe, there is proper clearance to the trench bank, that proper pipe zone material is being installed, the PVC pipe is inserted properly at each bell, and that there are no deflections or bends in the PVC pipe. PVC waterlines and poly service laterals must not be buried until a visual inspection has been conducted and approved for backfill by City inspectors. Regular compaction tests are also required by a certified geotechnical testing firm.
14. Warranty: A standard 1-year warranty applies to PVC waterlines and poly service laterals.
15. Contractor Education and Certification: The Uni-Bell PVC Pipe Association offers virtual training seminars regarding PVC pipe installation. All workers on crews installing PVC pipe are required to take the PVC pipe installation course. The standard installation course only needs to be taken once. However, if contractors have new workers on their crew that will be installing PVC C900, then those workers will need to take the course. All contractors will need to be certified in the installation of PVC pipe in order to work on Cedar City projects. Contractors are encouraged, but not required, to receive education and certification regarding the proper installation of PVC C900 pipe.
16. As-built Drawings and Survey Coordinates: Accurate as-built drawings of PVC pipe are critical to ensure that the pipes can be located in the future. Mylars, PDF, and CAD as-built files are required. As-built survey points will be required at the following locations along PVC waterlines:  
- At all changes in pipe direction including elbows, tees, and crosses.  
- At every 200 feet of pipe length.  
- At all valves, air vacs, vaults, etc.  
- At all corp stops and meter barrels.  
- Other locations as directed by the City to ensure accurate as built drawings.

e. High Density Polyethylene (HDPE) PE4710 DIPS DR-11 Pipe

1. DR Rating: All High Density Polyethylene (HDPE) PE4710 DIPS Pipe shall be DR-11 (Pressure Class 200 psi) conforming to the latest applicable version of AWWA C906, material designation code of

PE4710, all applicable ASTM standards and be listed on the PPI TR-4 HSB Listing of Hydrostatic Design Basis Listed Materials.

2. Sand Bedding and Trench Conditions: A minimum of ~~six~~four (64) inches of sandpipe bedding material is required underneath the HDPE waterline per Cedar City Detail RI, unless the native material is free of rock  $\frac{3}{4}$ -inch minus or above. It is required to backfill around the HDPE waterline and to a height of at least one foot over the pipe with ~~sand~~approved backfill material per Cedar City Detail RI for all HDPE waterlines per Detail RI. As an alternative, ~~a~~Native soil material can be used for the bedding and pipe zone if the native soil is fine-grained material free of rock  $\frac{3}{4}$ -inch minus and above and approved by the geotechnical engineer.
3. Pipe Backfilled at End of Working Day: All HDPE waterlines will need to be backfilled with at least 12 inches of cover over the pipe at the end of each working day.
4. Maximum Working Pressure of HDPE Pipe Set at 150200 psi: The maximum working pressure for HDPE waterlines is set at 150200 psi. Ductile iron pipe is required in all locations where the working pressure is above 150200 psi. Also, HDPE waterlines are not allowed in areas where the working system pressure is controlled by a pressure reducing valve (PRV) where the working pressure upstream of the PRV is greater than 200 psi, reduced below 150 psi by means of pressure reducing valve (PRV). Ductile iron pipe is required in areas located downstream of a PRV where the working pressure upstream of the PRV is greater than 200 psi.
5. HDPE Fittings: The fittings used for HDPE must be Butt Fusion Fittings. Butt fusion fittings shall be made of HDPE material with a minimum material designation code of PE4710, all applicable ASTM standards and shall be listed in current versions of PPI TR-4. All fittings shall have a pressure rating equal to the pipe.
6. Joint Restraints: HDPE pipe and fittings do not require thrust blocks if the entire system is fused. Thrust blocks are required where mechanical joint or flange fittings are used and when transitioning from HDPE pipe to another pipe material.
7. Tracer Wire and Caution Tape: All HDPE waterlines are required to have tracer wire installed along the pipeline. The tracer wire shall be 12 gauge type UF insulated copper locate wire. The tracer wire must be duct-taped or zip-tied to the waterline at maximum 1020-foot intervals along the pipe. After installation, the tracer wire must be tested for continuity between all access points. Any discontinuities in the tracer wire must be repaired to the satisfaction of the City. At all splices, the tracer wire must be connected with gel-filled wire connectors. Wire nuts will not be allowed. At locations where the pipe material transitions from ductile iron to PVC, the tracer wire must be ca-

welded (fused) to the ductile iron pipe. Caution tape is required 12 inches above the HDPE waterline along the full length of the trench.

- 8. Service Taps to HDPE Pipe: Service taps to HDPE pipe shall be mechanical double-strap saddles. Double-strap saddles shall be Romac Style 202S, or approved equal.
- 9. Service Laterals (3/4" - 2" sizes): When using HDPE pipe, the service laterals shall be installed as either Copper Type 'K' or SDR-9 poly pipe CTS (copper tubing size), ASTM D2737, rated for 250 psi working pressure.
- 10. Inspection of Pipe Prior to Installation: All HDPE pipe shall be carefully inspected by the City inspector prior to installation. Any pipe with scratches, cuts, or gouges that reduce the wall thickness by more than 10% are not acceptable and will be rejected. In addition, pipe showing evidence of dents, or cracks, flaws, or other imperfections will be rejected.
- 11. Construction Inspection: All HDPE waterlines and service laterals must be inspected by City inspectors in the trench prior to burying the pipe. The inspection will ensure that proper bedding has been installed underneath the pipe, there is proper clearance to the trench bank, that proper pipe zone material is being installed, and the HDPE pipe is properly fused. HDPE waterlines and laterals must not be buried until a visual inspection has been conducted and approved for backfill by City inspectors. Regular compaction tests are also required by a certified geotechnical testing firm.
- 12. NSF-61 Certification: All HDPE pipe that will convey potable water or water that will be treated to become potable, shall be certified by an accredited organization in accordance with NSF-61 as being suitable for contact with potable water. Such pipe must bear the logo "NSF-61" indicating such approval.
- 13. Wastewater Effluent: HDPE pipe will be allowed for the conveyance of wastewater effluent.
- 14. Pipe Joining: HDPE pipe shall be heat fused using the standardized butt-fusion procedure and pressure tested as per manufacturer's guidelines before installation. Cuts or gouges that reduce the wall thickness by more than 10% are not acceptable and must be cut out, discarded and the pipe rejoined. Each butt fusion shall be recorded and logged by a datalogger affixed to the fusion machine. Joint data must be submitted as part of the as-built documentation.
- 15. Data Logger: A data logger shall be used to record and document each butt fusion process. A digital report or printout for all fusion joints made that complies with, but is not limited to, ASTM F3124 must be delivered to the City at the completion of each project.
- 16. Mechanical Joining: In areas where auxiliary or final connections are to be made and the continuous pipe section will not be installed, the

HDPE pipe and fittings may be joined together or to other materials by means of flanged connections or mechanical couplings (Romac Alpha, or approved equal) designed for joining HDPE pipe or for joining HDPE pipe to another pipe material. Mechanical couplings shall be fully pressure rated and fully thrust restrained, including concrete thrust blocks, and installed in accordance with manufacturer's recommendations. Concrete thrust blocks are required in locations where thrust blocks are required on Cedar City's thrust block Detail W3. Flanges and Mechanical Joint Adapters (MJ) shall have a minimum material designation code of PE4710 and meet all applicable AWWA and ASTM standards. Flanges and MJ Adapters shall have a pressure rating equal to the pipe. When connecting mechanical couplings to HDPE pipe, stainless steel pipe end stiffeners must be installed. The stiffeners shall be supplied as a Romac stainless steel HDPE pipe end stiffener, or approved equal.

17. Pipeline Identification: All HDPE pipe shall be marked in accordance with the standards to which it is manufactured. All HDPE pipe shall be black, and shall contain a continuous colored stripe, 2 inches wide, located at no greater than 90 degree intervals around the pipe. Stripes shall be impregnated or molded into the pipe by the manufacturer. Application of the stripes after manufacture is not acceptable. Stripe color shall be: Potable Water Mains - blue stripes and Reclaimed Water Mains - purple stripes.
18. Ductile Iron Pipe Size (DIPS): All HDPE pipe shall be ductile iron pipe size. DIPS sized HDPE has the same outside diameter as ductile iron pipe.
19. Inside Diameter: The inside diameter (ID) of HDPE pipe shall be at least as large as the required pipe size. For example, if the required pipe diameter is 8 inches, then the ID of the HDPE pipe must be at least 8 inches in diameter.
20. Storage and Handling: HDPE pipe shall be stored on clean, level ground to prevent undue scratching or gouging. Handling of the joined pipe shall be in such a manner that the pipe is not damaged by dragging over sharp or cutting objects. Lifting of joined pipe sections shall preclude concentration of bending stresses at joints and shall be done in a manner which evenly distributes lifting stresses along the full length of the pipe. Pipe shall be stored in a shaded area or covered to avoid temperature extremes which may cause the pipe to bow or warp.
21. Pressure Testing of HDPE Pipe: HDPE pipe shall be tested hydrostatically at 200 psi for 2 hours in accordance with Cedar City Engineering Standards. Pressure testing is not allowed to be done at the same time as chlorination of HDPE pipe. The pressure test and the chlorination process must be done separately for HDPE pipe.

22. Warranty: A standard 1-year warranty applies to HDPE waterlines after acceptance by the City.

23. As-built Drawings and Survey Coordinates: Accurate as-built drawings of HDPE pipe are critical to ensure that the pipes can be located in the future. Mylars, PDF, and CAD as-built files are required. As-built survey points are required at the same locations as listed for PVC pipe in Section 4.2.1(4)(d)(16).

23.24. Contractor Education and Certification: For contractors installing HDPE pipe, all workers who will be fusing HDPE pipe must be trained and certified according to the requirements set forth in the latest edition of ASTM F3190. The workers who will be fusing HDPE pipe must have a current Heat Fusion Equipment Operator Qualification card in order to work on Cedar City projects.

f. Copper Pipe: Where service lines are two-inch or less in diameter, type K copper pipe must be used when the main line is Ductile Iron Class 50. Pipe that has outside dimensions greater than two-inch in diameter shall not be copper. All copper pipe shall conform to the following specifications:

1. Material: Pipe shall be used which conforms to the requirements of ASTM B88. The pipe shall be of a Type K only and shall be dimensioned so as to allow the connection to AWWA standard water service taps and fittings. The pipe shall have surfaces smooth and free from bumps and irregularities.
2. Pipe Joints: All pipe joints on Copper pipe shall be soldered joints using ASTM B813, water flushable, lead-free alloy solder; and ASTM B-828 procedure, or all brass compressive couplings with grip rings Ford C44 Pack Joint Coupling or approved equal unless otherwise specified.
3. Service Connections: The installation of service connections shall use only connections, equipment and practices recommended by the manufacturer. The service connection shall conform to the detail drawing shown in the standard drawings.

g. Fittings: Fittings shall be K-Copper or Cement Lined Ductile Iron, "Tyler, Star" or an approved equal and have a pressure rating as may be required by the static pressure along the pipeline. All fittings shall be dimensioned according to ANSI A-21.10 or A-21-53 (AWWA C 110 or C 153) "American Standard for Cast Iron Fittings, 3 inches through 48 inches, for Water and other Liquids", and shall be equipped with restraining joints (mega-lug or equal).

h. Tapping/Repair Clamp Material Specification:

1. Small Taps/Repair Clamps: For small tappings and repair clamps (3/4" through 3") on cast iron, steel or ductile iron pipe, the following materials shall be required:
  - i. Saddle Castings: Small saddle tappings shall be similar to "Romac Stainless Steel Saddles" Model 202NS constructed of high tensile ductile (modular) iron, in accordance with ASTM specification 536-71, and shall be covered by a black nylon,

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plastic or epoxy fused coat, approximately 10-12 mils thick, with an approximate dielectric strength of 1000 volts per mill. The pressure rating of the tapping saddle shall equal the maximum static pressure along the pipeline.

- ii. **Stainless Steel Strap:** Stainless steel straps shall consist of two two-inch wide straps to spread out the clamping force on the pipe and shall come complete with sufficient bolts, nuts and washers (with five-eighths-inch N.C. Teflon coated roll threads) to properly clamp the strap to the pipe. M.I.G. welds shall be passivated for resistance to corrosion. The pressure rating of the tapping saddle shall equal the maximum static pressure along the pipeline.
- iii. **Gaskets:** Gaskets shall be made from virgin SBR compounded for water services.

2. **Large Taps/Repair Clamps:** For large taps and repair clamps (larger than 3") on Cast Iron, Steel or ductile iron pipe, the following materials shall be required:

- i. **Cut in Tee:** The preferred method of making large taps or pipe repairs is to cut in a cement lined Ductile Iron tee with couplings and valves as specified in these Standards.
- ii. **Sleeves:** Taps or pipe repairs can be made using sleeves that are either cast iron with an asphalt tar varnish coating or epoxy coated steel with stainless steel bolts Romac fabricated steel tapping sleeve Model FTS 420 or approved equal. No stainless steel sleeves will be allowed. All sleeves shall have a working pressure rating equal to the maximum static water pressure along the pipeline. Tapping sleeve shall only be used when the tap is smaller than the pipe being tapped.
- iii. **Tapping Valves:** Tapping valves shall conform to Section 4.2.1((4),g,1).

i. **Valves and Boxes:** All valves, eight inches and smaller shall be of a resilient-seat-gate-valve type, and all valves over eight inches shall be butterfly valves unless otherwise specified by the City Water Department.

- 1. **Gate Valves:** Valves shall conform to the latest revision of AWWA Resilient Seated gate valve Standard C-509 and be UL listed, FM approved. All internal parts shall be accessible without removing the body from the line. The wedge shall be of cast iron completely encapsulated with resilient material. The resilient sealing material shall be permanently bonded to the cast iron wedge with a rubber tearing bond to meet ASTM D 429. NRS stems shall be cast bronze or 18-8 Type 304 or 316 stainless steel with internal collars in compliance with AWWA. OS&Y stems shall be bronze. The NRS stuffing box shall have two "O"-Ring seals above the thrust collar. These rings shall be field replaceable without removing the valve from service. There shall

be low friction thrust bearings above and below the stem collar. The stem nut shall be independent of the wedge and of solid bronze. The waterway in the seat area shall be smooth, unobstructed and free of cavities. Stuffing box shall be attached to the bonnet and the bonnet to the body with bolts and nuts. All exposed bolts and nuts on the valve, not including flange bolts and nuts, shall be stainless steel. The body and bonnet shall be coated interior and exterior with corrosion resistant coating. Each valve shall be hydrostatically tested at 400 PSI to the requirements of both AWWA and UL/FM. Valve flange bolts and nuts shall be Zinc Coated Carbon Steel ASTM A307A Grade A. Valves shall be installed vertically in a horizontal run of pipe, and shall be provided with a two-inch square operating nut for manually operating the valve with a "T" handle wrench. The direction of rotation to open shall be to the left (counter-clockwise).

2. Butterfly Valves: All butterfly valves shall be of the tight-closing, rubber-seat type with rubber seats that are securely fastened to the valve body. No metal-to-metal seating surfaces shall be permitted. Valves shall be bubble-tight at rated pressures with flow in either direction, and shall be satisfactory for applications involving valve operation after a long period of inactivity. Valve discs shall rotate 90 degrees from the full open position to the tight shut position. Butterfly valves shall meet the full requirements of AWWA Standard C504 for Class 150B for areas with a static water pressures less than 150 psi without the use of pressure reducing valves, and Class 250B for all other areas. The manufacturer shall have manufactured tight-closing, rubber-seat butterfly valves for a period of at least five years. All valves shall be similar to those as manufactured by the Henry Pratt Company or approved equal. Valve bodies shall be constructed of cast iron ASTM A-126 Class B (for flanged end valves) or ASTM A-48 Class 40 for wafer type valves. Flange drilling shall be in accordance with ANSI B16.1 Standard for cast iron flanges. Two trunnions for shaft bearings shall be integral with each valve body. Body thickness shall be in strict accordance with AWWA Standard C504. All exposed bolts and nuts on the valve, not including flange bolts and nuts, shall be stainless steel. Valve flange bolts and nuts shall be Zinc Coated Carbon Steel ASTM A307A Grade A. Valve discs shall be constructed of alloy cast iron ASTM A436 Type I (Ni-Resist). Shafts of all valves shall be turned, ground and polished. Valve shafts shall be constructed of 18-8 Type 304 or Type 316 stainless steel. Shaft diameters shall meet minimum requirements established by AWWA Standard 75 lbs. pull under test procedure ASTM D-429, Method B. Valves shall be fitted with sleeve-type bearings. Bearings shall be corrosion resistant and self-lubricating. Bearing load shall not exceed one-fifth of the compressive strength of the bearing of shaft material. Packing shall be self-

adjusting Chevron type. Valve operators shall conform to AWWA C504. Manual operators shall be of the traveling nut, self-locking type and shall be designed to hold the valve in any intermediate position between fully open and fully closed without creeping or fluttering. Operators shall be equipped with mechanical stop-limiting devices to prevent over-travel of the disc in the open and closed positions. Valves shall close with a (clockwise) rotation. Operators shall be fully enclosed and designed to produce the specified torque with a maximum pull of 80 lbs. on the hand-wheel or chain-wheel. Operator components shall withstand an input of 450 Ft. Lbs. at extreme operator position without damage.

3. Valve Boxes: All valves shall be provided with a Cast Iron valve box of the extension screw type, and the correct adjustable height to bring the top of the valve box flush with the ground surface. The valve box shall not be less than five inches in diameter and shall have a minimum thickness of .375 inch. The box provided also shall be provided with a suitable base and cover. The word "WATER" shall be cast on the cover.
- j. Water Service Laterals: The material used for water service connections shall comply with the following:
  1. Copper Service Pipe: Copper service pipe shall be seamless and suitable for use as copper underground service connections and shall conform to Section 4.2.1(4) of these Standards.
  2. SDR-9 Poly Pipe CTS (Copper Tubbing Size): All SDR-9 poly pipe CTS (copper tubing size) shall meet ASTM D2737, rated for 250 psi working pressure. SDR-9 poly pipe can be used in all areas where the working pressure is less than 250 psi. SDR-9 poly pipe may also be used in areas where the system pressure is controlled by a pressure reducing valve (PRV) where the working pressure upstream of the PRV is less than 250 psi. SDR-9 poly pipe may be used in areas where the main lines are ductile iron pipe.
  3. Corporate Stops: Corporation stops shall be similar to those manufactured by the Mueller Company or Ford, with a rated working pressure of 200 PSI minimum:

	WATER SERVICE CONNECTION SIZE	
	3/4"	1"
MUELLER CO.	H-15008	H-15008
FORD	B-1000-G	B-1000-G

4. Corporation stops shall have grip joint compression couplings for the copper service pipe and threaded on the inlet end with an AWWA corporation stop thread. Gate valves with valve box shall be required on all water service connections greater than 1 inch.
5. Meter Setter Yokes: Meter setters or meter yokes shall be 18" high, Ford 70 series copper setter or equal, and shall have an AWWA approval, built-in back-flow device and inlet angle ball valve and grip joint compression couplings for copper tubing on both inlet and outlet. All internal parts shall be accessible without removing the setter from the line. Meters shall only be installed by City Water Department personnel.
6. Meter Box and Lid: The meter boxes shall be white, high density polyethylene ADS N-12 or equal, 18" X 36" (standard size). Refer to Cedar City Detail W5 for water meter lid requirements.
7. Building Service Connections: At all points designated by the City Engineer, the owner shall install services for building connections, and shall extend such services to the property line, unless otherwise indicated by the City Water Department. Individual water services shall be 1 inch from the water main to the meter setter for normal domestic service, but may be one-and-one-half or two inches in diameter as directed by the City Water Department. Services shall have a minimum of three feet of cover and be laid as shown in the standard drawings.

k. Fire Hydrants: Fire Hydrants shall be Mueller, Modern Centurion, Model A-423; Kennedy, Model K81A; American AVK; or approved equal with 400 PSI test pressure, 200 PSI working pressure, 5 1/4" dia. 3 nozzle, foot valve and 6" mechanical joint connection. Fire hydrants shall conform to the latest edition of AWWA C-502, "Dry Barrel Fire Hydrants." All exposed bolts and nuts, not including flange bolts and nuts, on the fire hydrant that are underground shall be stainless steel. Valve flange bolts and nuts shall be Zinc Coated Carbon Steel ASTM A307A Grade A. It shall be the responsibility of the Owner to furnish hydrants with a finish paint above the ground line identical to the existing hydrant paint (red). All exposed bolts and nuts that are below ground level on the fire hydrant shall be stainless steel.

5. Flowable Backfill: Flowable backfill material shall conform to the following:
  - a. Portland Cement: Type I or II Subsection 718.01.
  - b. Fly Ash: ASTM C-618, Class F, except loss on ignition shall not exceed three percent maximum, and shall come from a source approved by the City Engineer.
  - c. The coarse and fine aggregate for flowable fill shall be natural and consisting of mineral aggregate particles meeting the following:

Sieve Size	Percent Passing

3/4	100
200	0-10

d. Mix Design (See Section 4.4 Concrete Work for Mix Design Submittal) meet the following:

Minimum compressive strength (28 days)	50 PSI
Maximum compressive strength (28 days)	150 PSI
Minimum fly ash per cubic yard	300 lbs.
Maximum cement per cubic yard	50 lbs.
Maximum slump	10 in.

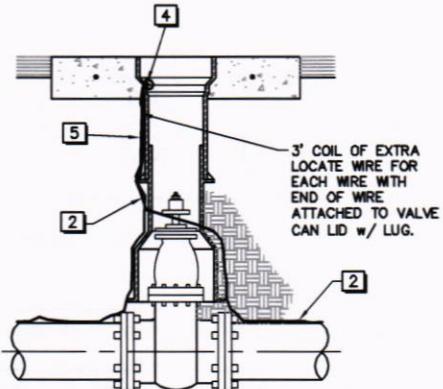
6. Pipeline Casings: Pipeline casings shall conform to the following:

- a. Casing Material: The casing material shall be smooth, uncoated carbon steel casing pipe with a minimum yield strength of 35,000 PSI and a minimum wall thickness of 0.375 inches.
- b. Casing Size: The casing size shall be sufficient to maintain a 2 inch minimum clearance between the greatest outside diameter of the carrier pipe (including pipe bells) and the minimum interior diameter of the casing pipe. Minimum clearance shall be maintained around the entire pipe circumference.
- c. Casing Chocks or Skids: Casing chocks or skids shall be Power Seal 4810 casing chocks or equal approved by the City Engineer. Casing chocks or skids shall support the carrier pipe at a maximum of every 7 feet and install according to the manufacturers directions.
- d. Casing Seals: The annulus between the carrier pipe and casing on both ends of the pipe casing shall be sealed with a neoprene boot and stainless steel straps provided by Power Seal or equal approved by the City Engineer.
- e. Carrier Pipe Joints: The joints of the carrier pipe inside the case shall be joints that resist slipping by using either locking gaskets, glued or other nonslip type joints approved by the City Engineer.

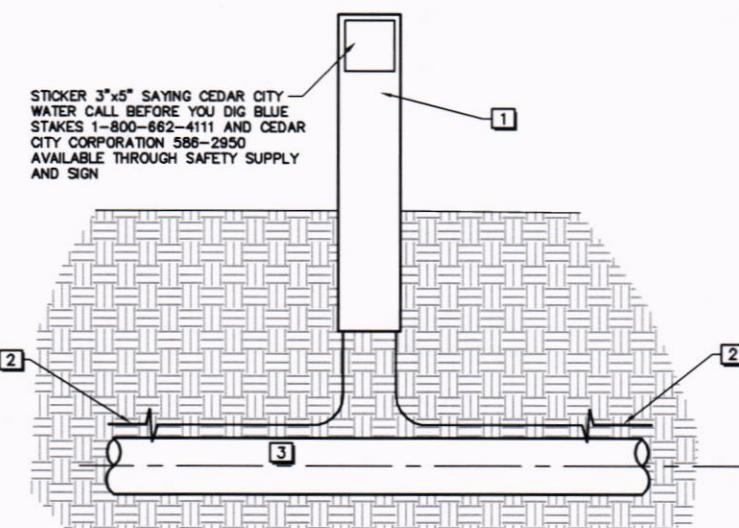
7. Spare Communication Conduits: A minimum of one 2-inch gray, Schedule 40 PVC conduit with a nylon twin pull string with 500 pounds of pull strength shall be installed at least in one of the City sewer, storm drain or water line trenches required for any development.

**CONSTRUCTION NOTES:**

- 1 TRACE-O-FLEX MARKER w/ TERMINAL POINTS BY CARSONITE - (ORANGE COLOR)
- 2 12 GAUGE TYPE UF INSULATED COPPER LOCATE WIRE DUCT TAPE OR ZIP-TIED TO TOP OF PIPE AT 15' INTERVALS
- 3 PVC OR HDPE WATER MAIN.
- 4 INSTALL ENDS OF TRACER WIRE INTO VALVE CAN.
- 5 RUN TRACER WIRE UP THE OUTSIDE OF VALVE BOX.

**PAVED AREA LOCATE WIRE TERMINATION**

N.T.S.

**UNPAVED AREA LOCATOR POST DETAIL**

N.T.S.

**NOTES:**

1. LOCATOR POSTS TO BE PLACED AT 1000' MAX. SPACING NEXT TO IN-LINE VALVES AND BENDS ON WATER MAIN.
2. IN PAVED AREAS LOCATE WIRE SHALL BE TERMINATED IN THE VALVE CANS OF THE IN-LINE VALVES PER DETAIL.
3. TRACER WIRE IS NOT REQUIRED FOR DUCTILE IRON OR COPPER PIPE.
4. AT ANY TRANSITION FROM DUCTILE IRON TO PLASTIC PIPE, THE TRACER WIRE MUST BE FUSED TO THE DUCTILE IRON PIPE.
5. AFTER INSTALLATION AND BACKFILL, THE TRACER WIRE MUST BE TESTED FOR CONTINUITY.
6. AT ALL SPLICES, THE TRACER WIRE MUST BE CONNECTED WITH GEL-FILLED WIRE CONNECTORS. WIRE NUTS ARE NOT ALLOWED.
7. MAGNETIC CAUTION TAPE IS REQUIRED 12 INCHES ABOVE PVC WATERLINES AND POLY SERVICE LATERALS.

**DRAFT**

SHEET NO.  
W1A  
FILE: W01

WATER LOCATE  
WIRE TERMINATION

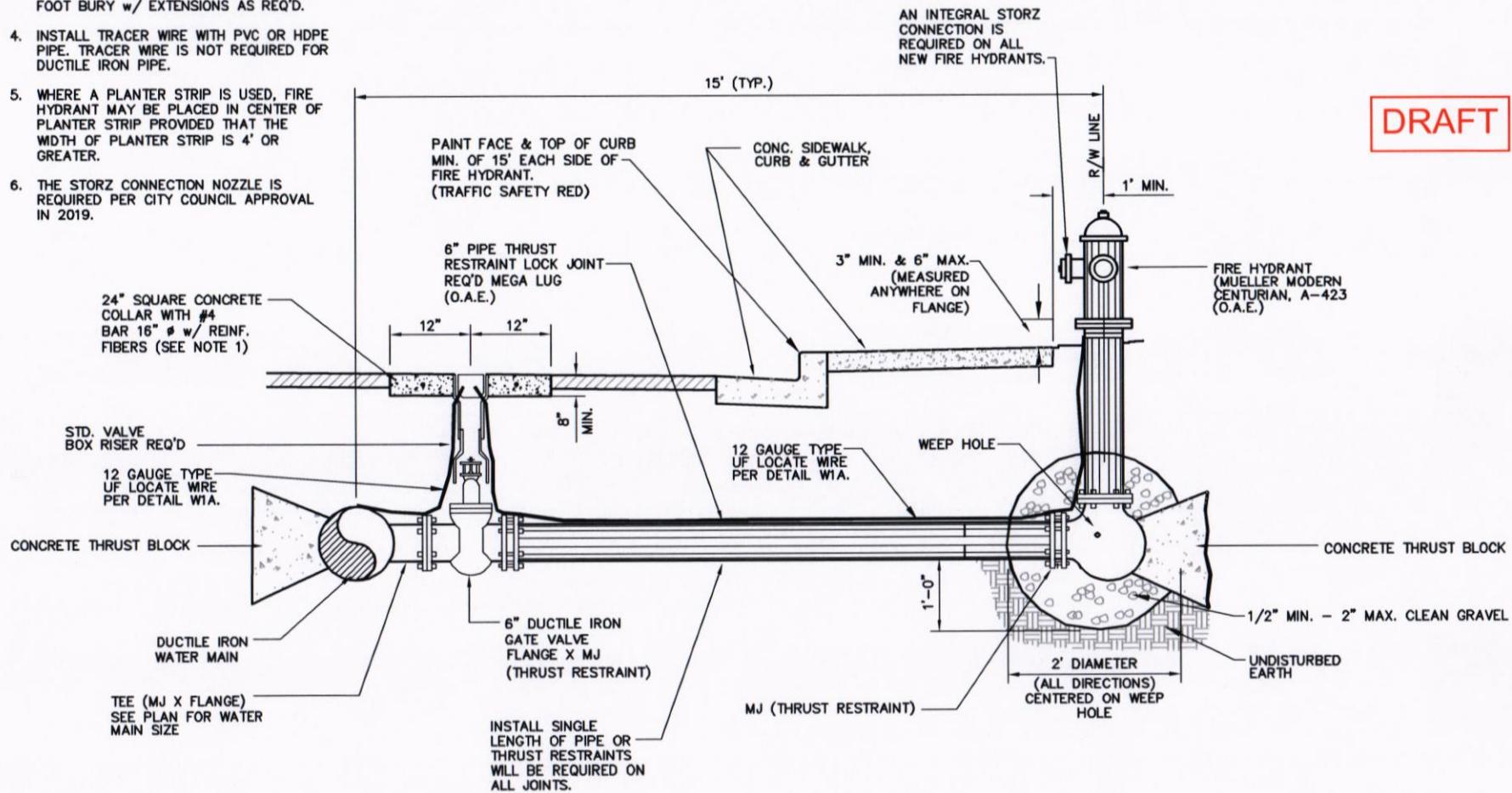
REVISIONS		
DATE	DESCRIPTION	BY
10/2021	ADDED DETAIL WIA	J.A.S.
8/2024	ADDED HDPE PIPE	K.F.

CEDAR CITY  
16 NORTH MAIN STREET  
CEDAR CITY, UTAH 84720  
PH. (435) 586-2950

SCALE: N.T.S. DATE: 8/2024  
DRAWN: T.B.M. CHECKED: K.F.

**NOTES:**

1. TOP OF VALVE BOX AND CONCRETE COLLAR TO BE 1/4" BELOW FINAL STREET GRADE.
2. DO NOT BLOW OFF WATER LINES THRU FIRE HYDRANTS.
3. FIRE HYDRANTS TO HAVE A MINIMUM 3 FOOT BURY w/ EXTENSIONS AS REQ'D.
4. INSTALL TRACER WIRE WITH PVC OR HDPE PIPE. TRACER WIRE IS NOT REQUIRED FOR DUCTILE IRON PIPE.
5. WHERE A PLANTER STRIP IS USED, FIRE HYDRANT MAY BE PLACED IN CENTER OF PLANTER STRIP PROVIDED THAT THE WIDTH OF PLANTER STRIP IS 4' OR GREATER.
6. THE STORZ CONNECTION NOZZLE IS REQUIRED PER CITY COUNCIL APPROVAL IN 2019.



REVISIONS	1	DATE	8/2024
REVISION	1	DATE	8/2024
REVISION	1	DATE	8/2024
REVISION	1	DATE	8/2024
REVISION	1	DATE	8/2024

SECTION NO.	W2
FILE NO.	W02

FIRE HYDRANT