



CITY OF IDAHO SPRINGS
1711 Miner Street
P.O. Box 907
Idaho Springs, CO 80452-0907
Telephone (303) 567-4421
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NOTICE AND AGENDA
WORK SESSION
Idaho Springs City Council
1711 Miner Street
Monday, October 09, 2023 – 5:30 p.m.

**NOTICE AND AGENDA OF
WORK SESSION
MONDAY OCTOBER 9th, 2023 5:30 p.m.**

- ❖ Police Station Programming Update
- ❖ Victims Advocate Update
- ❖ TMF above ground fuel tank

**IN-PERSON AND REMOTE MEETING PUBLIC ATTENDANCE AND PARTICIPATION
INSTRUCTIONS**

The Public is able to view and hear this meeting remotely at the following address on the City's website:

<https://www.colorado.gov/pacific/idahosprings/city-council-live>



Idaho Springs Police Department
3000 Colorado Blvd. ★ Post Office Box 907
Idaho Springs, CO 80452
303-567-4291/303-567-1014 Fax
<https://cityofidahosprings.colorado.gov/ISPD>

To: Mayor Chuck Harmon
Idaho Springs City Council
From: Nathan Buseck, Chief of Police
Date: 10/09/23
Subject: Staff report – Programming Update, 1744 Miner St., ISPD remodel

The newly purchased building at 1744 Miner St. offers a fantastic opportunity for the new police department due to the centralized location, proximity to City Hall, the Historic District, and overall square footage of the property. The purchase price of the property was approximately \$625,000.00. According to the Clear Creek County Assessor's website, the same property was purchased back in 2014 for a price of \$800,000.00. This cost-saving purchase produced immediate equity in the property, created an exciting opportunity, and is a long-term investment for the City.

On 08/14/23 the City approved Halsey Architecture to assist in programming and planning for the new facility. Mayor Chuck Harmon, City Administrator Andy Marsh, and all ISPD employees have attended multiple programming seminars with the architect in order to uncover the basic needs of the police department. ISPD hosted a community "Open House" on the evening of September 27th for public comment on the project. The goal of programming is to identify immediate space needs along with forecasting the future needs of the agency for the next ten years (out to 2033). Programming is critical in order to establish a realistic foundation for the project. Programming is meant to ensure the current project investment will provide the necessary infrastructure for future demands of the department. The City of Idaho Springs has demonstrated a progressive and supportive environment in relation to city agencies, city resources and city infrastructure: new Water/Wastewater facility, new Public Works facility, upgrades to the City Hall building, residential/business water infrastructure, road upgrades/infrastructure, etc.

The moderately priced purchase of the future location of the Idaho Springs Police Department presents a unique opportunity for the City. Historically, there is no record of the City of Idaho Springs ever owning a facility that was exclusively a police department facility. The police department has historically been located inside the City Hall building and, as you are aware, is currently renting a small building from the State of Colorado (old CSP building) on the far east end of the City. We were unable to uncover any historical information or evidence that demonstrated a stand-alone City Police Department structure has ever existed in Idaho Springs.

With the exceptional location of the new building, we estimate about five to ten times more foot traffic will enter the building. The amount of pedestrian traffic stopping in to use the public restrooms, the potential to look at historical law enforcement memorabilia or ask about the parking regulations will likely be significant. We would explore having a process to assist visitors in purchasing a parking pass within the police department lobby. The location will create an enormous level of visibility from Colorado Blvd., Miner St., and Riverside Dr. Historically, local law enforcement agencies are the most visible representation of government within our society (marked police vehicles, uniforms, facilities). A successful outcome to this project will have lasting impacts on the perceptions of law enforcement and the perceptions of Idaho Springs City government to our visitors, residents, and our future police officers.

As part of this project, the City has already begun to explore options to pursue grant funding through DOLA. Our intention is to examine the possibility of solar being added to the roof along with additional energy efficient upgrades that will potentially save the City money and create a cleaner, more energy efficient building. Police department employee productivity, recruitment/retention, professionalism, and the City of Idaho Springs overall image has the potential to be transformed in an extraordinary, positive way through this project.

The attached documentation represents a real-world analysis on what the specific space needs are for a progressive law enforcement agency. The programming lays out specific spaces along with square footage. For example, number of offices, administrative/records area, officer workstations, interview room, lobby, community/training room, locker room, server/break area, evidence storage, evidence processing area, armory, car port, temporary holding/processing area for prisoners, I.T. needs, etc. We encourage the Council to examine the items listed in the attachment and engage in feedback/questions regarding the specific areas listed.

The Programming Phase is nearing its conclusion, and we respectfully request the council provide any feedback, input, or concerns on the identified, necessary spaces. The initial Programming Phase began to identify potential cost considerations and options for the 2024 budget process. In the coming weeks, our project will enter into the Planning Phase. The Planning Phase will begin to identify where these identified spaces will generally be located within the footprint of the structure. Ultimately, the Programming and Planning phases will provide the information and budget considerations as to whether or not the City will pursue the Design/Construction documents phase in order to begin renovations.

This is a very unique and exciting opportunity for the City of Idaho Springs, and it is extremely important the City takes all the necessary steps to ensure this project has insightful and innovative guidance in addition to responsible financial consideration.

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Idaho Springs Police Department

Programming Workshop 2 –Stakeholder and User Follow-up

ZOOM Call: Attendees Mayor Harmon, Administrator Marsh, Chief Buseck and Ted Halsey

Workshop #2 Meeting Notes

Mayor Harmon, City Administrator Marsh, Police Chief Buseck and police department staff met virtually with Ted Halsey, HA+P to conclude discussions regarding the police department space needs for the new facility.

9:00 AM – 10:15 AM, Programming Objectives with Mayor Harmon

Mayor Harmon commented that with the limited city area anticipated future population count could be in the range of 2,000 to 3,000. Including visitors, the total population might top out at approximately 5,500 to 6,000.

Police Administration & Operations

1. Organizational Chart (department & staff descriptions)
 - o Chief Buseck provided the Idaho Springs Police organizational chart
2. Confirm Mission Statement – brief / memorable.
 - o Chief Buseck provided the Idaho Springs Police mission statement that states: "Commitment to Integrity and Safety through constitutional Policing and Dedication to our community". He added that the new facility would be 'modern, professional and respect the history of those who came before'.
3. Confirm Community engagement & accommodation.
 - o Mayor Harmon noted that within the community there is good trust for the police department. He also noted that the city council members are very supportive of the project and that they are keenly aware of the current 'primitive' facility.
4. Proposed building expansion areas - Future Building & Site
 - o Potential proposed building expansions would infill the spaces below the east pedestrian entrance and southeast corner roof overhang and west drive-up area roof.
 - o Halsey presented a markup of the 2006 ALTA bank building and site survey to illustrate the existing building footprint and proposed expansion areas. The existing building area is approximately 2,690± SF and with the proposed expansions of approximately 755 SF± would be an estimated total area in the range of 3,450 SF.
5. Update Building & Site Operations: entry, parking & pavement areas
 - o The north parking area layout is inefficient, and the adjacent landscape area is in poor condition and the large pine tree potentially impacts the building. All confirmed that these areas can be better utilized and improved.
 - o Chief Buseck suggested the west concrete pavement area can be used for city vehicle parking and should be planned accordingly. The existing parking spaces can be prioritized for public/guest parking.
 - o Halsey indicated that Colorado BL was the intended street access into the proposed west side vehicle sallyport. The proposed enclosure will be limited to the two existing drive lanes and the roof above. The western most existing drive lane outside the proposed enclosure would allow police vehicles to bypass or park outside the garage. A north facing vehicle garage door would serve an internal parking area for transporting in-custody. The potential for a continuous drive through lane out to Miner ST will be

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Idaho Springs Police Department

Programming Workshop 2 –Stakeholder and User Follow-up

considered during planning. Buseck clarified that the portion of the “garage” inside area closest to the building would include a transport waiting and processing area.

- Administrator Marsh noted the possible expansion of the building’s west exterior south of the existing drive through teller area.
- The north and east sidewalks have deteriorated in several locations, and all agreed they should be replaced.

10:00 – 11:10 AM Programming space needs – Nate Buseck

- Days / Hours of operation
 - Buseck confirmed the regular public business hours of 8 AM – 4 PM, Monday through Friday.
 - Police operations are and will be 24/7.
- Staffing (full time/ part time)
 - Chief Buseck confirmed that the indicated staff counts for 2023 and projected for 2033 are correct as indicated in the programming document (see attached).
- Shared or common use space/functions.
 - Halsey noted that the Conference-Training/Squad Room was reduced to fit within the existing building and proposed expansion areas.
- Public interface
 - Public access to the conference room during regular business hours would be coordinated at the lobby counter. After hours public access would be through a separate and secured entrance from police operations and possibly monitored by a staff member.
- Recap/Summary
 - All discussed the proposed programming square footage and proposed budget of \$300 per square foot building costs that excluded all site improvements and soft costs for design, permitting and contingencies for a possible target budget of \$1.3M. Added contingency funds need to be considered for design and construction. Halsey recommended establishing a reasoned budget and avoid underestimating project needs and costs that could force a return to city council for additional funds and/or time.
 - Mayor Harmon spoke to the proposed \$1.3M building cost that is well above the original budget expectations that were anticipated during the site acquisition process. Chief Buseck summarized that the building purchase price was a great value, and that this investment helps achieve the department’s mission to meet the city’s future operational needs. Mayor Harmon noted that there is a need for “doing this right” as well as the need to “digest” these higher costs that are above earlier city council cost expectations.
 - Chief Buseck requested that the city seek potential grants to fund the addition of photovoltaic panels (PV) to the roof. Halsey noted that adding PV panels would help achieve LEED certification for the project.
 - Halsey mentioned that Public Works had suggested getting input from a local mechanical/electrical contractor on system upgrade costs. Halsey recommended that the city pay a mechanical/electrical engineer to visit the building and site and conduct a life-expectancy and efficiency evaluation of the existing systems to better inform us regarding its continued use and potential needs and budgeting.

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Idaho Springs Police Department

Programming Workshop 2 –Stakeholder and User Follow-up

- Mayor Harmon noted that the Historic Preservation Review Committee will primarily review the exterior design including alterations/additions and site. While the building is not historic, they will need to approve changes to the exterior.
- Administrator Marsh noted that the adjacent west resident requested reduced lighting impacts to their property with the site and building design.
- Next Steps / Action Items
 - Owner provided drawings of existing building – Halsey to contact prior architect; otherwise, City provide scan of drawings.
 - ALTA Survey – Site and Building ordered by City ahead of Design phase.
 - Halsey send materials on or before Thursday, 5 October for City Council Work Session

Schedule:

- 9 October 2023 – Council Work Session / Update on programming; Halsey attend
- 13 November 2023 – Council Work Session / Update on space planning; Halsey attend
- 2024 - Design Phase / Fee Proposal
- 2024 / 2025 - Construction Phase – Contractor Bidding and Construction
- 2025 – Building Occupancy & Start-up /Ribbon Cutting & Open House

End of Meeting Notes

Idaho Springs Police Department

6 September 2023

Programming Workshop 1 – Initial Stakeholder and User Interviews

			Current 2023	Programmed 2033			
Dept.	Code	Department	Staff	Staff	SubTotal NSF	Total NSF	TOTAL
1.0		Police					
	1.1	Officer Areas	9	12	240		
	1.1	Support	3	5	860		
	1.1	Booking & Holding	0	0	565		
		Departmental Total	12	17	1,665	2,081	
2.0		Community					
	2.1	Operations		0	0		
	2.1	Support		0	360		
		Departmental Total	0	0	360	450	
3.0		Information Technology					
	3.1	Operations		0	0		
	3.1	Support		0	30		
		Departmental Total	0	0	30	38	
4.0		Building Support					
	4.1	Main Lobby		0	230		
	4.1	Vending		0	0		
		Departmental Total	0	0	230	288	
		Building Operations					
	4.2	Support Spaces		0			
		Departmental Total	0	0	80	100	
Total Staff			0	17			
Total Net Square Footage					2,365	2,956	
Building Grossing Square Feet BGSF						17%	503
Building Gross Square Feet BGSF							3,459
5.0		Parking					
	5.1	Staff Parking			6		
	5.1	Public Parking			8		
		Parking Total	0	0	14	5,050	
Building Total Net Square Footage					2,371	2,956	
Building Gross Square Feet BGSF (with parking)							8,509
Building gross square footage multiplier (BGSF) includes: exterior envelope and structure and inter-departmental circulation.							
Space code designations: WS (workstation) CWS (counter workstation) PO (private office) ER (enclosed room) OA (open area) SA (secure outdoor)							

Idaho Springs Police Department

6 September 2023

Programming Workshop 1 – Initial Stakeholder and User Interviews

Program Code:		1.0							
Function/Area:		Police							
Sub-Area Code:		1.1							
Sub-Area(s):		Operations							
			Current 2023	Programmed 2033					
Component	Space	Unit	Staff	Staff	Units	Subtotal	Comments		
Number	Code	NSF				NSF			
1.0 Operations									
1.1	1.00	Officer Areas							
	1.01	Chief's Office	PO	120	1	1	120	includes small meeting table	
	1.01	Lieutenant's Office	PO	80	-	1	80	meeting at desk	
	1.01	Sergeants' Office	ER	120	2	2	120	two desks in shared room	
	1.02	Officers	WS	30	6	8	120		
				9	12	Subtotal	240		
1.1 2.00 Support									
	2.01	Administrative	WS	30	2	3	90	Transaction window/counter	
	2.01	Code Enforcement	WS	100	1	2	0		
	2.02	Interview	ER	100	-	-	100	Privacy separation	
	2.03	Conference-Training/Squad Room	ER	300	-	-	0	Shared Community	
	2.04	Break Area	OA	100	-	-	100	Servery Counter and Cabinets Coffee, Refrigerator & Microwave	
	2.05	Officer Toilet	ER	65	-	-	2	Sink base cabinet and janitorial supply cabinet	
	2.06	Locker Room	ER	80	-	-	1	8 Officer equipment/firearm full height lockers	
	2.07	Shower	ER	25	-	-	1	25	
	2.08	Evidence Processing	ER	90	-	-	1	cupboards and counter/base cabinet	
	2.08	Evidence Storage	ER	90	-	-	1	Existing Vault: 10'6" x 8'6"	
	2.08	Records Storage	ER	50	-	-	1	50	
	2.08	Office Supplies	ER	30	-	-	1	30	
	2.09	Electronics Room	ER	25	-	-	1	25	
	2.10	Armory	ER	50	-	-	1	50	
				3	5	Subtotal	860		
1.1 3.00 Booking & Holding									
	3.01	Intake Vehicle Sallyport	ER	450	-	-	1	450	Canopy at west columns & north/south overhangs
	3.01	Intake Pedestrian Vestibule	ER	50	-	-	1	50	
	3.02	Holding Room	ER	65	-	-	1	65	
	3.03	Safety Cell	ER	65	-	-	0	0	
	3.04	Restraint Storage	ER	40	-	-	0	0	
				0	0	Subtotal	565		
1.0 TOTAL STAFF				12	17				
Subtotal - Net Square Feet							1,665		
Partition & Circulation Factor				25%			416		
TOTAL NET SQUARE FEET							2,081		

Idaho Springs Police Department

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Programming Workshop 1 – Initial Stakeholder and User Interviews

Program Code: 2.0								
Function/Area: Community								
Sub-Area Code: 2.1								
Sub-Area(s): Operations								
				Current 2023	Programmed 2033			
Component Number	Staff/Component Description	Space Code	Unit NSF	Staff	Staff	Units	Subtotal NSF	Comments
2.1	Operations							
2.1	1.00 Staff							
	1.01 Manager	OA	0	-	0	0	0	
	1.02 Reception	OA	50	-	0	0	0	Shared position with Police
	1.03 Other	ER	0	-	-	0	0	
				0	0	Subtotal	0	
2.1	2.00 Support							
	2.01 Conference	ER	300	-	-	1	300	16-20 Occupants Shared with Police; movable tables & chairs
	2.02 Toilet	ER	40	-	-	1	40	
	2.03 Storage	ER	20	-	-	1	20	
	2.04 Filing	ER	0	-	-	0	0	
	2.05 Copy	ER	0	-	-	0	0	
				0	0	Subtotal	360	
2.1	TOTAL STAFF			0	0			
	Subtotal - Net Square Feet						360	
	Partition & Circulation Factor			25%			90	
	TOTAL NET SQUARE FEET						450	

Idaho Springs Police Department

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Programming Workshop 1 – Initial Stakeholder and User Interviews

Program Code: 3.0 Function/Area: Information Technology Sub-Area Code: 3.1 Sub-Area(s): See Building Operations								
				Current 2023	Programmed 2033			
Component Number	Staff/Component Description	Space Code	Unit NSF	Staff	Staff	Units	SubTotal NSF	Comments
3.1	Operations							
3.1 1.00	Staff							
1.01	Manager	OA	120	-	-	0	0	
1.02	Other	OA	150	-	-	0	0	
				0	0	Subtotal	0	
3.1 2.00	Support							
2.01	Server Room	ER	30	-	-	1	30	Equipment rack; comm/data service entrance & telephone
2.01	Staff Toilet	ER	50	-	-	0	0	
2.02	Storage	ER	120	-	-	0	0	
2.03	Filing	ER	65	-	-	0	0	
2.04	Copy	ER	0	-	-	0	0	
2.05	Break	ER	0	-	-	0	0	
2.05	Conference	ER	0	-	-	0	0	
				0	0	Subtotal	30	
3.1	TOTAL STAFF			0	0			
	Subtotal - Net Square Feet						30	
	Partition & Circulation Factor			25%			8	
	TOTAL NET SQUARE FEET						38	

Idaho Springs Police Department
6 September 2023
Programming Workshop 1 – Initial Stakeholder and User Interviews

Program Code: 4.0 Function/Area: Building Support Sub-Area Code: 4.1 Sub-Area(s): Ancillary Functions								
				Current 2023	Programmed 2033			
Component Number	Staff/Component Description	Space Code	Unit NSF	Staff	Staff	Units	SubTotal NSF	Comments
4.1	Ancillary Functions							
4.1 1.00	Main Lobby							
1.01	Entry Vesibule	OA	80	-	-	1	80	
1.01	Lobby	OA	150	-	-	1	150	
1.02	Public Information Desk	OA	100	-	0	0	0	
1.03	Public Telephone Area	OA	40	-	-	0	0	
					0	Subtotal	230	
4.1 2.00	Vending							
2.01	Machine Area	ER	80	-	-	0	0	
2.02	Storage	ER	20	-	-	0	0	
					0	Subtotal	0	
4.1	TOTAL STAFF			0	0			
	Subtotal - Net Square Feet						230	
	Partition & Circulation Factor			25%			58	
	TOTAL NET SQUARE FEET						288	

Idaho Springs Police Department

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Programming Workshop 1 – Initial Stakeholder and User Interviews

Program Code: 4.0 Function/Area: Building Operations Sub-Area Code: 4.2 Sub-Area(s): Building Operations							
				Current 2023	Programmed 2033		
Component Number	Staff/Component Description	Space Code	Unit NSF	Staff	Staff	Units	SubTotal NSF
4.2	Building Operations						
4.2 1.00	Support Spaces						
1.01	Loading / Receiving	ER	100	-	-	0	0
1.02	Refuse/Recycle Staging	ER	50	-	-	1	50
1.03	Mothers' Room	ER	80	-	-	0	0
1.05	Central U.P.S. Room	ER	20	-	-	0	0
1.06	Telephone Room	ER	150	-	-	0	0
1.07	Service Entrance (Comm/Data)	ER	25	-	-	0	0
1.09	Mechanical Air Handler Rooms	ER	0	-	-	0	0
1.10	Mechanical Central Plant	SA	0	-	-	0	0
1.12	Main Electrical Service	ER	30	-	-	1	30
1.13	Public Telephones	OA	25	-	-	0	0
					0	Subtotal	80
4.2	TOTAL STAFF			0	0		
	Subtotal - Net Square Feet						80
	Partition & Circulation Factor			25%			20
	TOTAL NET SQUARE FEET						100

Idaho Springs Police Department

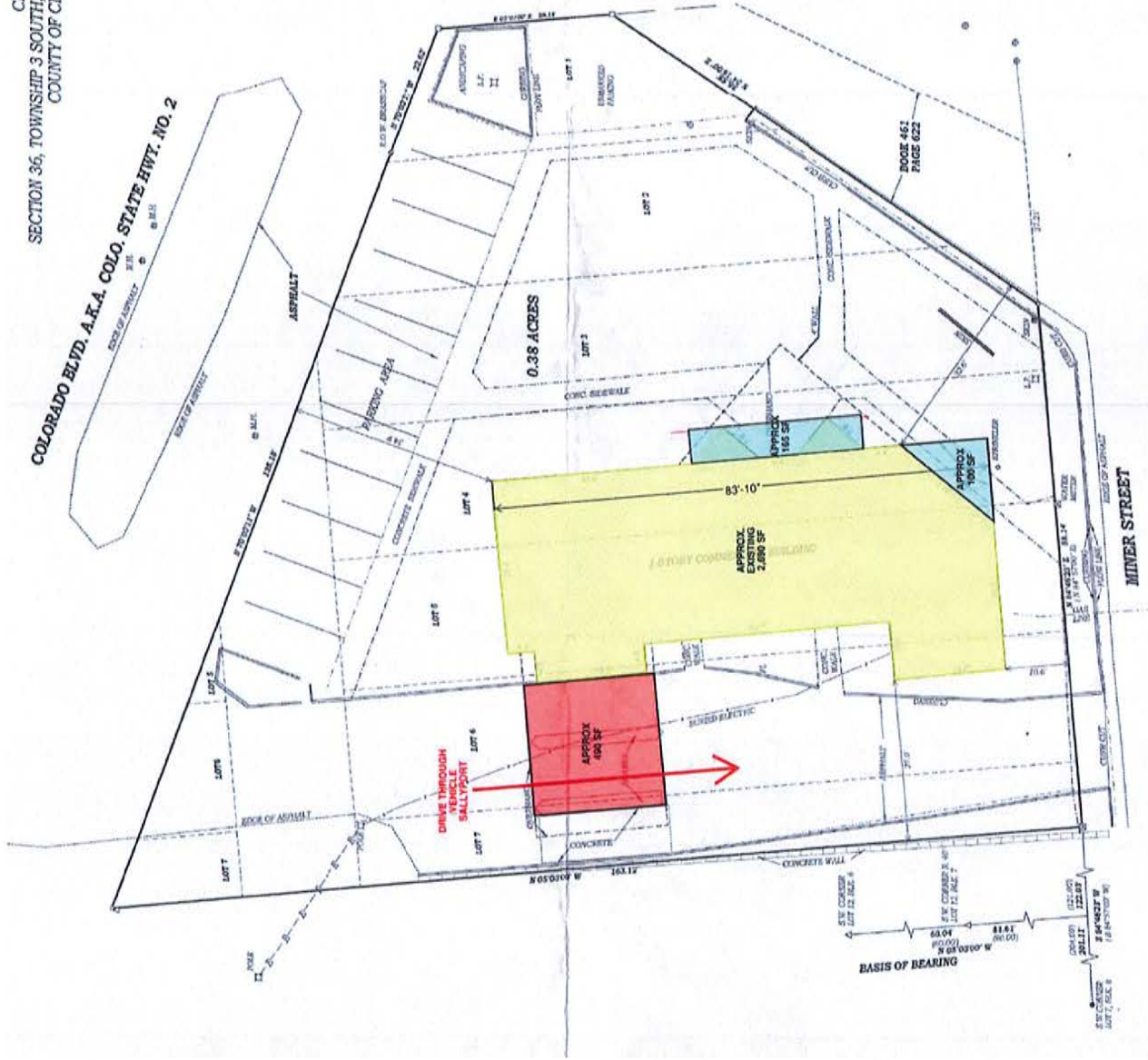
6 September 2023

Programming Workshop 1 – Initial Stakeholder and User Interviews

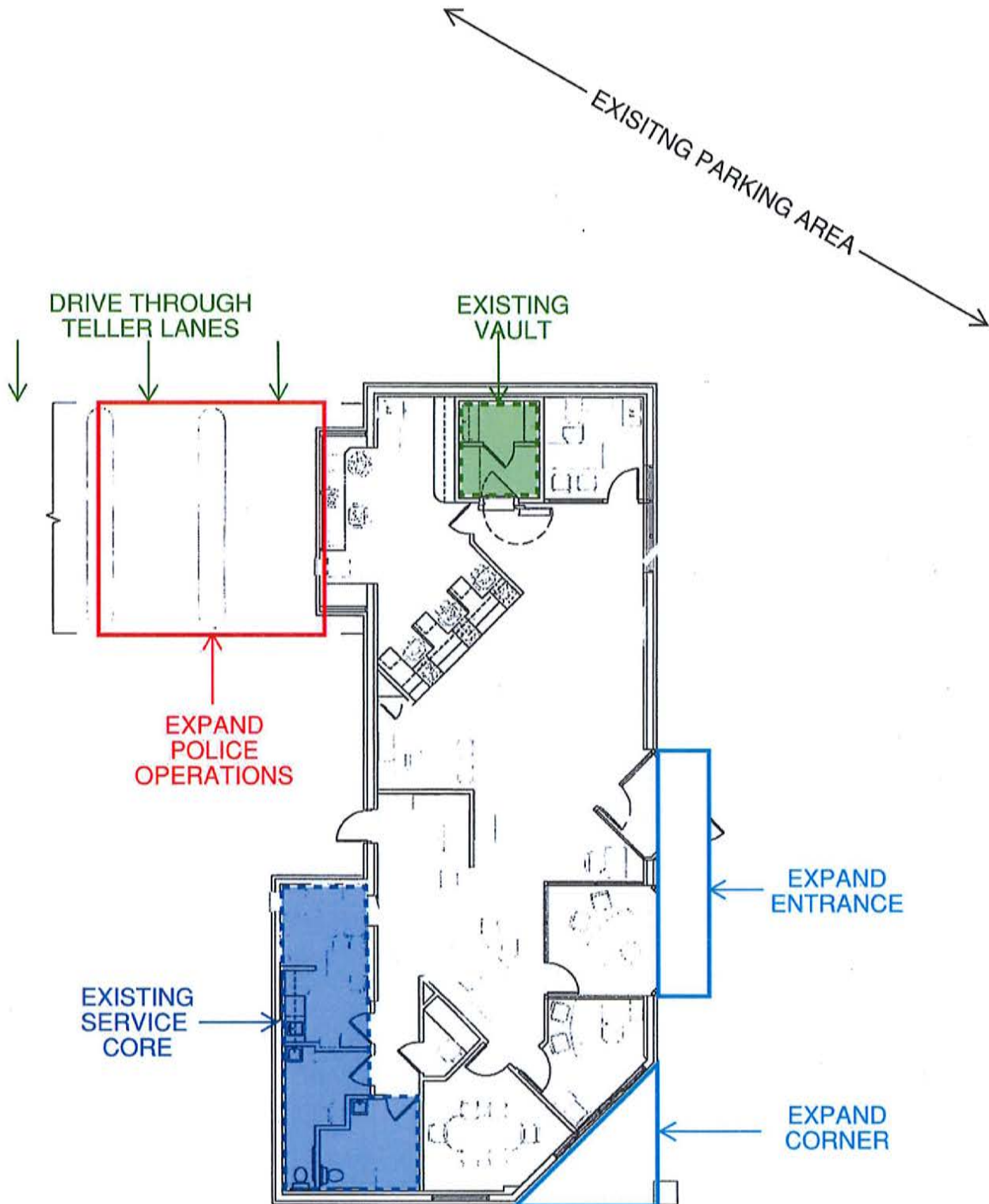
Program Code: 5.0 Function/Area: Parking Sub-Area Code: 5.1 Sub-Area(s): Parking								
				Current 2023	Programmed 2033			
Component Number	Staff/Component Description	Space Code	Unit NSF	Staff	Staff	Units	SubTotal NSF	Comments
5.1	Parking							
5.1 1.00	Staff Parking							
1.01	Police	OA	350	-	0	5	1,750	
1.02	Administrative Parking	OA	350	-	0	1	350	
						Subtotal	6	2,100
5.1 1.00	Public Parking							
1.01	General	OA	350	-	0	7	2,450	9' x 20' stall + 12' drive aisle
1.02	Accessible Parking	OA	500	-	0	1	500	9' x 20' stall w/7' side load + 12' drive aisle
						Subtotal	8	2,950
5.1	TOTAL STAFF			0	0	14		
	Subtotal - Net Square Feet						5,050	
	Partition & Circulation Factor (0 %)			0%			0	
	TOTAL NET SQUARE FEET						5,050	

CITY OF IDAHO SPRINGS,
SECTION 36, TOWNSHIP 3 SOUTH, RANGE 73 WEST OF THE SIXTH PRINCIPAL MERIDIAN,
COUNTY OF CLEAR CREEK, STATE OF COLORADO.

COLORADO BLVD. A.K.A. COLO. STATE HWY. NO. 2



CITYWIDE BANK - SITE PLAN / PROPOSED ISPD EXPANSIONS
9 OCTOBER 2023



CITYWIDE BANK - FLOOR PLAN / PROPOSED ISPD EXPANSIONS
9 OCTOBER 2023



Clear Creek County Advocates (CCCA)

- Established in 1989 (34 years)
- Non-profit, Victim Services Organization
 - Grant Funded
 - Staff of 2.5, 10 Volunteers
 - Governed by a Board of Directors consisting of local LE, school district, community
- Only victims services in Clear Creek – No LE advocates
- 2 Offices
 - Georgetown, basement of DA's Office
 - Health & Wellness Center
- Respond On-Scene 24/7
 - Victim's of Crime & Trauma
 - DV, SA, all Victim's Rights Crimes (VRA)
 - No Law Enforcement Advocates
- Average 450-500 Clients Annually



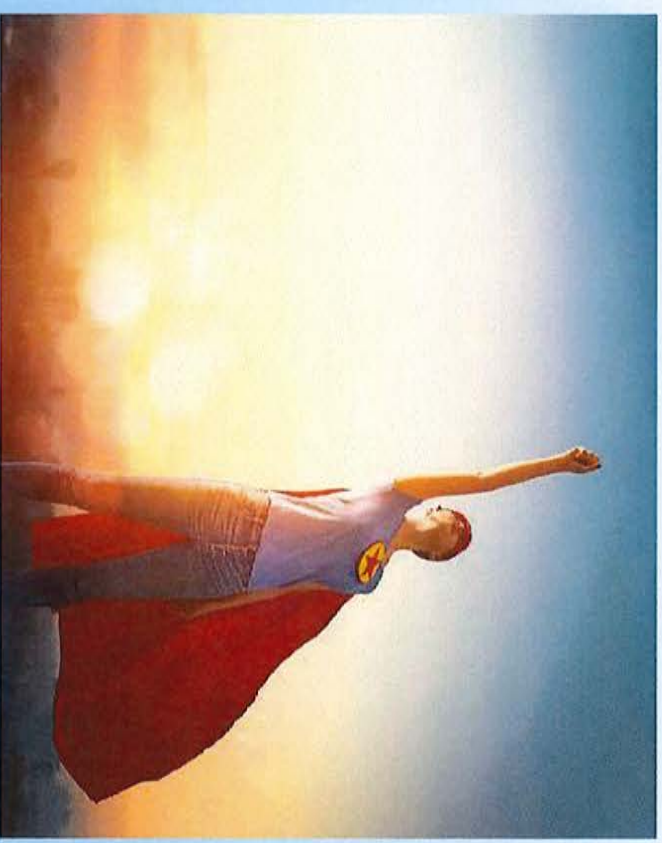
WE ALSO.....

- Respond to death calls & notifications
- Missing hikers
- Avalanches
- Search & Rescues
- Critical incidents –
 - (Examples: Rafting accidents, structure fires) drownings)
 - Provide education and awareness to the community and organizations regarding victimization, crime prevention and critical incident response.



Services Provided

- 24/7 On-Scene Response
- Crisis Intervention
- Emergency Safe-housing
- Shelter Referrals
- Support during sexual assault exams
- Transportation
- Safety Planning
- Domestic Violence Support Group
- Assistance with Civil Protection Orders
- Liaison between law enforcement, DA & courts
- Courtroom Accompaniment
- 24-Hotline
- Assistance with legal aid
- Counseling referrals
- Assistance with Crime Victim Compensation
- Emergency financial assistance



Other Invaluable Programs Administered

- Clear Creek Santa Shop
 - Helping approximately 200 children annually over the years
- Clear Creek Peer Support Team
 - Established in 2021
 - Consists of all local law enforcement, fire, EMS, coroner & advocates
 - Provides mental health counseling, mental fortitude coaching on-site for pro-active support to all first responders
- DV Support Group
- QR Cards
 - Developed to be able to distribute throughout the county Public Health, etc. and with all first responders.

How is CCCA funded?

GRANT FUNDING (Restrictive)

Mainly 4 grants (local, state and federal)

- Department of Criminal Justice (General Funds, VOCA, OVP)
- Domestic Violence Program
- Local VALE (Victim Assistance Law Enforcement)
- DOLA, Limited Impact (Gaming)



Corporate Contributions, fundraising, and other unrestricted donations

CCCA Budget

CCCA current annual budget: \$220,000-\$260,000

Expenses annually continue to rise

- Victims continue to rise & more importantly, the escalation of the violence within crimes is increasing, causing longer case management and services required.
- Cost of capturing qualified applicants – covering on-call
- Increased costs of services
 - Emergency safe-housing, food and transportation
- Notification of some grantors decreasing funding in the coming years

CCCA Overview 2022-2023

2022

- New Victims
 - Total of new primary and secondary victims = 477
 - Largest domestic violence = 147
 - Other (felony menacing, deaths, avalanches, structure, etc.) = 166
 - Child Abuse = 30 (both SA and Physical)
 - Other (assault, stalking, adult SA, etc.) = 134
- Advocate Hours
 - Total on-call hours 6680
 - Volunteers 2615
 - Staff 4065 (95 hours (11.88 days) short of 2 full-time jobs)
 - 500 Club 3 advocates over 500 hours

2023

- As of end of 2nd quarter
- New Victims
 - New primary and secondary victims = 265
 - Advocate Hours
 - Total on-call hours 3340
 - Volunteers 1980
 - Staff 1360
 - 500 Club 2 advocates already over 500 hours, 3 more projected for 2023.

CCCA Overview 2022-2023

Overview of 2022 & 2023

- Community Partnership Committees
 - SART, Clear Creek Community Partners, CHAPS Advisory Committee, Behavioral Health Collaborative, School Safety
- Field Boards
 - VALE, DVP Enhanced Flex Funds, Clear Creek Child Fatality Review Committee
- Awareness/Education Activities Presentations
 - CCMS/HS – Lifeskills, Back to School night, Teen Pandemic Recovery, Consent
 - Mountain Youth Network – Collaboration
 - Public Health Staff
- Trainings Provided/Hosted
 - LE Predominant Aggressor x2
 - DV Strangulation/Forensic Nurse Exam x 2
 - DV Investigation
 - Human Trafficking x 2 (LE & Community)
 - Resiliency (CCPST)
 - Behavioral Works (CCPST)
 - Get Uncomfortable (CCPST)
 - Beyond the Badge (CCPST)
- New Programs/Services
 - DV Support Group
 - Flex Funds
 - QR Promotion

Thank You Joni!!!

The Clear Creek County Advocates would like to extend a huge

THANK YOU to

Joni Albers

for her tireless dedication, countless hours and efforts over the past 20 years. Her impressions on this agency will never go unnoticed or be forgotten.

She will be greatly missed!!!

Clear Creek County Advocate Board of Directors (past and present), the
Volunteer Advocates(past and present) and the Clear Creek County
Community

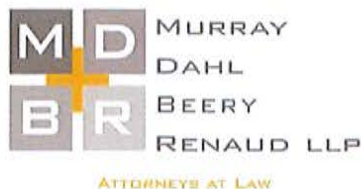


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TO: Hon. Mayor Harmon and Members of the City Council
CC: Andrew Marsh, City Administrator
Jon Cain, Assistant City Administrator
FROM: Carmen Beery
DATE: October 4, 2023
RE: Above-ground Fuel Storage Regulations

There are conflicting provisions within the current Idaho Springs Municipal Code ("Code") concerning outdoor above-ground bulk fuel storage. Code Sec. 21-29, within the City's zoning regulations, prohibits such storage entirely. However, the International Fire Code (IFC), as adopted by reference by the City, expressly allows such storage with detailed restrictions and requirements. Additionally, the IFC allowance appears intentional, rather than oversight, as the IFC Section addressing the topic is specifically affirmed.¹

To resolve this conflict, City staff recommends deleting the prohibition language contained in Code Sec. 21-29, as follows:

Sec. 21-29. - Outdoor storage; waste disposal.

~~No highly flammable or explosive liquids, solids or gases shall be stored in bulk above ground. Tanks or drums of fuel directly connecting with heating devices or appliances located on the same lot as the tanks or drums of fuel are excluded from this provision.~~ All outdoor storage facilities for fuel, raw materials and products shall be enclosed by a fence or wall adequate to conceal such facilities from adjacent property. No materials or wastes shall be deposited upon a lot in such form or manner that they may be transferred off the lot by natural causes or forces. All materials or wastes which might cause fumes or dust, which constitute a fire hazard or which may be edible by or otherwise be attractive to rodents or insects shall be stored outdoors only in closed containers.

The above stricken language was likely motivated by safety concerns; the aesthetics of above-ground storage tanks could have easily been addressed by concealing requirements typical to zoning codes. However, the safety aspects of the storage of flammable hazardous material are extensively covered by the IFC and enforced by the Clear Creek Fire Authority. Attached to this memo is a sampling of IFC² provisions I could easily locate that concern this issue. I am sure these sections I pulled are not exhaustive on the topic, but I wanted you to have some idea of the sort of IFC regulations that exist.

Staff will seek your input on this recommended Code amendment at your October 9 study session. If you authorize the potential Code change to move forward, an ordinance will be prepared for your consideration and formal vote at an upcoming business meeting.

¹ City Code Sec. 18-12(D) (concerning IFC Code amendments) "(D) IFC Subsection 5704.2.9.6.1 is hereby amended to read as follows: 5704.2.9.6.1 Locations of above-ground tanks. Above-ground tanks shall be located in accordance with this Section."

² The IFC edition currently adopted by the City is 2018.

Colorado Fire Code 2018

5704.2 Tank Storage

The provisions of this section shall apply to:

1. The storage of flammable and *combustible liquids* in fixed above-ground and underground tanks.
2. The storage of flammable and *combustible liquids* in fixed above-ground tanks inside of buildings.
3. The storage of flammable and *combustible liquids* in portable tanks whose capacity exceeds 660 gallons (2498 L).
4. The installation of such tanks and portable tanks.

5704.2.1 Change of Tank Contents

Tanks subject to change in contents shall be in accordance with Section 5704.2.7. Prior to a change in contents, the *fire code official* is authorized to require testing of a tank.

Tanks that have previously contained Class I liquids shall not be loaded with Class II or Class III liquids until such tanks and all piping, pumps, hoses and meters connected thereto have been completely drained and flushed.

5704.2.2 Use of Tank Vehicles and Tank Cars as Storage Tanks

Tank cars and tank vehicles shall not be used as storage tanks.

5704.2.3 Labeling and Signs

Labeling and signs for storage tanks and storage tank areas shall comply with Sections 5704.2.3.1 and 5704.2.3.2.

5704.2.3.1 Smoking and Open Flame

Signs shall be posted in storage areas prohibiting open flames and smoking. Signs shall comply with Section 5703.5.

5704.2.3.2 Label or Placard

Tanks more than 100 gallons (379 L) in capacity, which are permanently installed or mounted and used for the storage of Class I, II or III liquids, shall bear a label and placard identifying the material therein. Placards shall be in accordance with NFPA 704.

Exceptions:

1. Tanks of 300-gallon (1136 L) capacity or less located on private property and used for heating and cooking fuels in single-family *dwellings*.
2. Tanks located underground.

5704.2.4 Sources of Ignition

Smoking and open flames are prohibited in storage areas in accordance with Section 5003.7.

Exception: Areas designated as smoking and hot work areas, and areas where hot work permits have been issued in accordance with this code.

5704.2.5 Explosion Control

Explosion control shall be provided in accordance with Section 911 for indoor tanks.

5704.2.6 Separation From Incompatible Materials

Storage of flammable and *combustible liquids* shall be separated from *incompatible materials* in accordance with Section 5003.9.8.

Grass, weeds, combustible materials and waste Class I, II or IIIA liquids shall not be accumulated in an unsafe manner at a storage site.

5704.2.7 Design, Fabrication and Construction Requirements for Tanks

The design, fabrication and construction of tanks shall comply with NFPA 30. Each tank shall bear a permanent nameplate or marking indicating the standard used as the basis of design.

5704.2.7.1 Materials Used in Tank Construction

The materials used in tank construction shall be in accordance with NFPA 30. The materials of construction for tanks and their appurtenances shall be compatible with the liquids to be stored.

5704.2.7.2 Pressure Limitations for Tanks

Tanks shall be designed for the pressures to which they will be subjected in accordance with NFPA 30.

5704.2.7.3 Tank Vents for Normal Venting

Tank vents for normal venting shall be installed and maintained in accordance with Sections 5704.2.7.3.1 through 5704.2.7.3.5.3.

5704.2.7.3.1 Vent Lines

Vent lines from tanks shall not be used for purposes other than venting unless *approved*.

5704.2.7.3.2 Vent-Line Flame Arresters and Pressure-Vacuum Vents

Listed or approved flame arresters or pressure-vacuum (PV) vents that remain closed unless venting under pressure or vacuum conditions shall be installed in normal vents of tanks containing Class IB and IC liquids.

Vent-line flame arresters shall be installed in accordance with their listing or API 2000 and maintained in accordance with Section 21.8.6 of NFPA 30 or API 2000. In-line flame arresters in piping systems shall be installed and maintained in accordance with their listing or API 2028. Pressure-vacuum vents shall be installed in accordance with Section 21.4.3 of NFPA 30 or API 2000 and maintained in accordance with Section 21.8.6 of NFPA 30 or API 2000.

Exception: Where determined by the *fire code official* that the use of these devices can result in damage to the tank.

5704.2.7.3.3 Vent Pipe Outlets

Vent pipe outlets for tanks storing Class I, II or IIIA liquids shall be located such that the vapors are released at a safe point outside of buildings and not less than 12 feet (3658 mm) above the finished ground level. Vapors shall be discharged upward or horizontally away from adjacent walls to assist in vapor dispersion. Vent outlets shall be located such that flammable vapors will not be trapped by eaves or other obstructions and shall be not less than 5 feet (1524 mm) from building openings or *lot lines* of properties that can be built upon. Vent outlets on atmospheric tanks storing Class IIIB liquids are allowed to discharge inside a building where the vent is a normally closed vent.

Exception: Vent pipe outlets on tanks storing Class IIIB liquid inside buildings and connected to fuel-burning equipment shall be located such that the vapors are released to a safe location outside of buildings.

5704.2.7.3.4 Installation of Vent Piping

Vent piping shall be designed, sized, constructed and installed in accordance with Section 5703.6. Vent pipes shall be installed such that they will drain toward the tank without sags or traps in which liquid can collect. Vent pipes shall be installed in such a manner so as not to be subject to physical damage or vibration.

5704.2.7.3.5 Manifolding

Tank vent piping shall not be manifolded unless required for special purposes such as vapor recovery, vapor conservation or air pollution control.

5704.2.7.3.5.1 Above-Ground Tanks

For above-ground tanks, manifolded vent pipes shall be adequately sized to prevent system pressure limits from being exceeded where manifolded tanks are subject to the same fire exposure.

5704.2.7.3.5.2 Underground Tanks

For underground tanks, manifolded vent pipes shall be sized to prevent system pressure limits from being exceeded when

manifolded tanks are filled simultaneously.

5704.2.7.3.5.3 Tanks Storing Class I Liquids

Vent piping for tanks storing Class I liquids shall not be manifolded with vent piping for tanks storing Class II and III liquids unless positive means are provided to prevent the vapors from Class I liquids from entering tanks storing Class II and III liquids, to prevent contamination and possible change in classification of less volatile liquid.

5704.2.7.4 Emergency Venting

Stationary, above-ground tanks shall be equipped with additional venting that will relieve excessive internal pressure caused by exposure to fires. Emergency vents for Class I, II and IIIA liquids shall not discharge inside buildings. The venting shall be installed and maintained in accordance with Section 22.7 of NFPA 30.

Exceptions:

1. Tanks larger than 12,000 gallons (45 420 L) in capacity storing Class IIIB liquids that are not within the diked area or the drainage path of Class I or II liquids do not require emergency relief venting.
2. Emergency vents on protected above-ground tanks complying with UL 2085 containing Class II or IIIA liquids are allowed to discharge inside the building.

5704.2.7.5 Tank Openings Other Than Vents

Tank openings for other than vents shall comply with Sections 5704.2.7.5.1 through 5704.2.7.5.8.

5704.2.7.5.1 Connections Below Liquid Level

Connections for tank openings below the liquid level shall be liquid tight.

5704.2.7.5.2 Filling, Emptying and Vapor Recovery Connections

Filling, emptying and vapor recovery connections to tanks containing Class I, II or IIIA liquids shall be located outside of buildings in accordance with Section 5704.2.7.5.6 at a location free from sources of ignition and not less than 5 feet (1524 mm) away from building openings or *lot lines* of property that can be built upon. Such openings shall be properly identified and provided with a liquid-tight cap that shall be closed when not in use.

Filling and emptying connections to indoor tanks containing Class IIIB liquids and connected to fuel-burning equipment shall be located at a finished ground level location outside of buildings. Such openings shall be provided with a liquid-tight cap that shall be closed when not in use. A sign in accordance with Section 5003.6 that displays the following warning shall be permanently attached at the filling location:

TRANSFERRING FUEL OTHER THAN
CLASS IIIB COMBUSTIBLE LIQUID TO
THIS TANK CONNECTION IS A VIOLATION
OF THE FIRE CODE AND IS STRICTLY
PROHIBITED

5704.2.7.5.3 Piping, Connections and Fittings

Piping, connections, fittings and other appurtenances shall be installed in accordance with Section 5703.6.

5704.2.7.5.4 Manual Gauging

Openings for manual gauging, if independent of the fill pipe, shall be provided with a liquid-tight cap or cover. Covers shall be kept closed when not gauging. If inside a building, such openings shall be protected against liquid overflow and possible vapor release by means of a spring-loaded check valve or other *approved device*.

5704.2.7.5.5 Fill Pipes and Discharge Lines

For top-loaded tanks, a metallic fill pipe shall be designed and installed to minimize the generation of static electricity by terminating the pipe within 6 inches (152 mm) of the bottom of the tank, and it shall be installed in a manner that avoids excessive vibration.

5704.2.7.5.5.1 Class I Liquids

For Class I liquids other than crude oil, gasoline and asphalt, the fill pipe shall be designed and installed in a manner that will minimize the possibility of generating static electricity by terminating within 6 inches (152 mm) of the bottom of the tank.

5704.2.7.5.5.2 Underground Tanks

For underground tanks, fill pipe and discharge lines shall enter only through the top. Fill lines shall be sloped toward the tank. Underground tanks for Class I liquids having a capacity greater than 1,000 gallons (3785 L) shall be equipped with a tight fill device for connecting the fill hose to the tank.

5704.2.7.5.6 Location of Connections That Are Made or Broken

Filling, withdrawal and vapor-recovery connections for Class I, II and IIIA liquids that are made and broken shall be located outside of buildings, not more than 5 feet (1524 mm) above the finished ground level, in an *approved* location in close proximity to the parked delivery vehicle. Such location shall be away from sources of ignition and not less than 5 feet (1524 mm) away from building openings. Such connections shall be closed and liquid tight when not in use and shall be properly identified.

5704.2.7.5.7 Protection Against Vapor Release

Tank openings provided for purposes of vapor recovery shall be protected against possible vapor release by means of a spring-loaded check valve or dry-break connections, or other *approved* device, unless the opening is a pipe connected to a vapor processing system. Openings designed for combined fill and vapor recovery shall be protected against vapor release unless connection of the liquid delivery line to the fill pipe simultaneously connects the vapor recovery line. Connections shall be vapor tight.

5704.2.7.5.8 Overfill Prevention

An *approved* means or method in accordance with Section 5704.2.9.7.5 shall be provided to prevent the overfill of all Class I, II and IIIA liquid storage tanks. Storage tanks in refineries, bulk plants or terminals regulated by Section 5706.4 or 5706.7 shall have overfill protection in accordance with API 2350.

An *approved* means or method in accordance with Section 5704.2.9.7.5 shall be provided to prevent the overfilling of Class IIIB liquid storage tanks connected to fuel-burning equipment inside buildings.

Exception: Outside above-ground tanks with a capacity of 1,320 gallons (5000 L) or less.

5704.2.7.6 Repair, Alteration or Reconstruction of Tanks and Piping

The repair, *alteration* or reconstruction, including welding, cutting and hot tapping of storage tanks and piping that have been placed in service, shall be in accordance with NFPA 30. Hot work, as defined in Section 202, on such tanks shall be conducted in accordance with Section 3510.

5704.2.7.7 Design of Supports

The design of the supporting structure for tanks shall be in accordance with the *International Building Code* and NFPA 30.

5704.2.7.8 Locations Subject to Flooding

Where a tank is located in an area where it is subject to buoyancy because of a rise in the water table, flooding or accumulation of water from fire suppression operations, uplift protection shall be provided in accordance with Sections 22.14 and 23.14 of NFPA 30.

5704.2.7.9 Corrosion Protection

Where subject to external corrosion, tanks shall be fabricated from corrosion-resistant materials, coated or provided with corrosion protection in accordance with Section 23.3.5 of NFPA 30.

5704.2.7.10 Leak Reporting

A consistent or accidental loss of liquid, or other indication of a leak from a tank system, shall be reported immediately to the fire department, the *fire code official* and other authorities having jurisdiction.

5704.2.7.10.1 Leaking Tank Disposition

Leaking tanks shall be promptly emptied, repaired and returned to service, abandoned or removed in accordance with Section 5704.2.13 or 5704.2.14.

5704.2.7.11 Tank Lining

Steel tanks are allowed to be lined only for the purpose of protecting the interior from corrosion or providing compatibility with a

material to be stored. Only those liquids tested for compatibility with the lining material are allowed to be stored in lined tanks.

5704.2.8 Vaults

Vaults shall be allowed to be either above or below grade and shall comply with Sections 5704.2.8.1 through 5704.2.8.18.

5704.2.8.1 Listing Required

Vaults shall be *listed* in accordance with UL 2245.

Exception: Where *approved* by the *fire code official*, below-grade vaults are allowed to be constructed on site, provided that the design is in accordance with the *International Building Code* and that special inspections are conducted to verify structural strength and compliance of the installation with the *approved* design in accordance with Section 1707 of the *International Building Code*. Installation plans for below-grade vaults that are constructed on site shall be prepared by, and the design shall bear the stamp of, a professional engineer. Consideration shall be given to soil and hydrostatic loading on the floors, walls and lid; anticipated seismic forces; uplifting by groundwater or flooding; and to loads imposed from above such as traffic and equipment loading on the vault lid.

5704.2.8.2 Design and Construction

The vault shall completely enclose each tank. There shall not be openings in the vault enclosure except those necessary for access to, inspection of, and filling, emptying and venting of the tank. The walls and floor of the vault shall be constructed of reinforced concrete not less than 6 inches (152 mm) thick. The top of an above-grade vault shall be constructed of noncombustible material and shall be designed to be weaker than the walls of the vault, to ensure that the thrust of an explosion occurring inside the vault is directed upward before significantly high pressure can develop within the vault.

The top of an at-grade or below-grade vault shall be designed to relieve safely or contain the force of an explosion occurring inside the vault. The top and floor of the vault and the tank foundation shall be designed to withstand the anticipated loading, including loading from vehicular traffic, where applicable. The walls and floor of a vault installed below grade shall be designed to withstand anticipated soil and hydrostatic loading.

Vaults shall be designed to be wind and earthquake resistant, in accordance with the *International Building Code*.

5704.2.8.3 Secondary Containment

Vaults shall be substantially liquid tight and there shall not be backfill around the tank or within the vault. The vault floor shall drain to a sump. For premanufactured vaults, liquid tightness shall be certified as part of the listing provided by a nationally recognized testing laboratory. For field-erected vaults, liquid tightness shall be certified in an *approved* manner.

5704.2.8.4 Internal Clearance

There shall be sufficient clearance between the tank and the vault to allow for visual inspection and maintenance of the tank and its appurtenances. Dispensing devices are allowed to be installed on tops of vaults.

5704.2.8.5 Anchoring

Vaults and their tanks shall be suitably anchored to withstand uplifting by ground water or flooding, including when the tank is empty.

5704.2.8.6 Vehicle Impact Protection

Vaults shall be resistant to damage from the impact of a motor vehicle, or vehicle impact protection shall be provided in accordance with Section 312.

5704.2.8.7 Arrangement

Tanks shall be *listed* for above-ground use, and each tank shall be in its own vault. Compartmentalized tanks shall be allowed and shall be considered as a single tank. Adjacent vaults shall be allowed to share a common wall. The common wall shall be liquid and vapor tight and shall be designed to withstand the load imposed when the vault on either side of the wall is filled with water.

5704.2.8.8 Connections

Connections shall be provided to permit venting of each vault to dilute, disperse and remove vapors prior to personnel entering the vault.

5704.2.8.9 Ventilation

Vaults that contain tanks of Class I liquids shall be provided with an exhaust ventilation system installed in accordance with Section 5004.3. The ventilation system shall operate continuously or be designed to operate upon activation of the vapor or liquid detection system. The system shall provide ventilation at a rate of not less than 1 cubic foot per minute (cfm) per square foot of floor area

[0.00508 m³/(s • m²)], but not less than 150 cfm (4 m³/min). The exhaust system shall be designed to provide air movement across all parts of the vault floor. Supply and exhaust ducts shall extend to within 3 inches (76 mm), but not more than 12 inches (305 mm), of the floor. The exhaust system shall be installed in accordance with the *International Mechanical Code*.

5704.2.8.10 Liquid Detection

Vaults shall be equipped with a detection system capable of detecting liquids, including water, and activating an alarm.

5704.2.8.11 Monitoring and Detection

Vaults shall be provided with *approved* vapor and liquid detection systems and equipped with on-site audible and visual warning devices with battery backup. Vapor detection systems shall sound an alarm when the system detects vapors that reach or exceed 25 percent of the lower explosive limit (LEL) of the liquid stored. Vapor detectors shall be located not higher than 12 inches (305 mm) above the lowest point in the vault. Liquid detection systems shall sound an alarm upon detection of any liquid, including water. Liquid detectors shall be located in accordance with the manufacturer's instructions. Activation of either vapor or liquid detection systems shall cause a signal to be sounded at an *approved*, constantly attended location within the facility serving the tanks or at an *approved* location. Activation of vapor detection systems shall shut off dispenser pumps.

5704.2.8.12 Liquid Removal

Means shall be provided to recover liquid from the vault. Where a pump is used to meet this requirement, the pump shall not be permanently installed in the vault. Electric-powered portable pumps shall be suitable for use in Class I, Division 1, or Zone 0 locations, as defined in NFPA 70.

5704.2.8.13 Normal Vents

Vent pipes that are provided for normal tank venting shall terminate not less than 12 feet (3658 mm) above ground level.

5704.2.8.14 Emergency Vents

Emergency vents shall be vapor tight and shall be allowed to discharge inside the vault. Long-bolt manhole covers shall not be allowed for this purpose.

5704.2.8.15 Accessway

Vaults shall be provided with an *approved* personnel accessway with a minimum dimension of 30 inches (762 mm) and with a permanently affixed, nonferrous ladder. Accessways shall be designed to be nonsparking. Travel distance from any point inside a vault to an accessway shall not exceed 20 feet (6096 mm). At each entry point, a warning sign indicating the need for procedures for safe entry into confined spaces shall be posted. Entry points shall be secured against unauthorized entry and vandalism.

5704.2.8.16 Fire Protection

Vaults shall be provided with a suitable means to admit a fire suppression agent.

5704.2.8.17 Classified Area

The interior of a vault containing a tank that stores a Class I liquid shall be designated a Class I, Division 1, or Zone 0 location, as defined in NFPA 70.

5704.2.8.18 Overfill Protection

Overfill protection shall be provided in accordance with Section 5704.2.9.7.5. The use of a float vent valve shall be prohibited.

5704.2.9 Above-Ground Tanks

Above-ground storage of flammable and *combustible liquids* in tanks shall comply with Section 5704.2 and Sections 5704.2.9.1 through 5704.2.9.7.9.

5704.2.9.1 Existing Noncompliant Installations

Existing above-ground tanks shall be maintained in accordance with the code requirements that were applicable at the time of installation. Above-ground tanks that were installed in violation of code requirements applicable at the time of installation shall be made code compliant or shall be removed in accordance with Section 5704.2.14, regardless of whether such tank has been previously inspected (see Section 107.4).

5704.2.9.2 Fire Protection

Fire protection for above-ground tanks shall comply with Sections 5704.2.9.2.1 through 5704.2.9.2.4.

5704.2.9.2.1 Required Foam Fire Protection Systems

Where required by the *fire code official*, foam fire protection shall be provided for above-ground tanks, other than pressure tanks operating at or above 1 pound per square inch gauge (psig) (6.89 kPa) where such tank, or group of tanks spaced less than 50 feet (15 240 mm) apart measured shell to shell, has a liquid surface area in excess of 1,500 square feet (139 m²), and is in accordance with one of the following:

1. Used for the storage of Class I or II liquids.
2. Used for the storage of crude oil.
3. Used for in-process products and is located within 100 feet (30 480 mm) of a fired still, heater, related fractioning or processing apparatus or similar device at a processing plant or petroleum refinery as herein defined.
4. Considered by the *fire code official* as posing an unusual exposure hazard because of topographical conditions; nature of occupancy, proximity on the same or adjoining property, and height and character of liquids to be stored; degree of private fire protection to be provided; and facilities of the fire department to cope with flammable liquid fires.

5704.2.9.2.2 Foam Fire Protection System Installation

Where foam fire protection is required, it shall be installed in accordance with NFPA 11.

5704.2.9.2.2.1 Foam Storage

Where foam fire protection is required, foam-producing materials shall be stored on the premises.

Exception: Storage of foam-producing materials off the premises is allowed as follows:

1. Such materials stored off the premises shall be of the proper type suitable for use with the equipment at the installation where required.
2. Such materials shall be readily available at the storage location at all times.
3. Adequate loading and transportation facilities shall be provided.
4. The time required to deliver such materials to the required location in the event of fire shall be consistent with the hazards and fire scenarios for which the foam supply is intended.
5. At the time of a fire, these off-premises supplies shall be accumulated in sufficient quantities before placing the equipment in operation to ensure foam production at an adequate rate without interruption until extinguishment is accomplished.

5704.2.9.2.3 Fire Protection of Supports

Supports or pilings for above-ground tanks storing Class I, II or IIIA liquids elevated more than 12 inches (305 mm) above grade shall have a *fire-resistance rating* of not less than 2 hours in accordance with the fire exposure criteria specified in ASTM E1529.

Exceptions:

1. Structural supports tested as part of a protected above-ground tank in accordance with UL 2085.
2. Stationary tanks located outside of buildings where protected by an *approved* water-spray system designed in accordance with Chapter 9 and NFPA 15.

3. Stationary tanks located inside of buildings equipped throughout with an *approved* automatic sprinkler system designed in accordance with Section 903.3.1.1.

5704.2.9.2.4 Inerting of Tanks Storing Boilover Liquids

Liquids with boilover characteristics shall not be stored in fixed roof tanks larger than 150 feet (45 720 mm) in diameter unless an *approved* gas enrichment or inerting system is provided on the tank.

Exception: Crude oil storage tanks in production fields with no other exposures adjacent to the storage tank.

5704.2.9.3 Supports, Foundations and Anchorage

Supports, foundations and anchorages for above-ground tanks shall be designed and constructed in accordance with NFPA 30 and the *International Building Code*.

5704.2.9.4 Stairways, Platforms and Walkways

Stairways, platforms and walkways shall be of noncombustible construction and shall be designed and constructed in accordance with NFPA 30 and the *International Building Code*.

5704.2.9.5 Above-Ground Tanks Inside of Buildings

Above-ground tanks inside of buildings shall comply with Sections 5704.2.9.5.1 and 5704.2.9.5.2.

5704.2.9.5.1 Overfill Prevention

Above-ground tanks storing Class I, II and IIIA liquids inside buildings shall be equipped with a device or other means to prevent overflow into the building including, but not limited to: a float valve; a preset meter on the fill line; a valve actuated by the weight of the tank's contents; a low-head pump that is incapable of producing overflow; or a liquid-tight overflow pipe not less than one pipe size larger than the fill pipe and discharging by gravity back to the outside source of liquid or to an *approved* location. Tanks containing Class IIIB liquids and connected to fuel-burning equipment shall be provided with a means to prevent overflow into buildings in accordance with Section 5704.2.7.5.8.

5704.2.9.5.2 Fill Pipe Connections

Fill pipe connections for tanks storing Class I, II and IIIA liquids and Class IIIB liquids connected to fuel-burning equipment shall be in accordance with Section 5704.2.9.7.6.

5704.2.9.6 Above-Ground Tanks Outside of Buildings

Above-ground tanks outside of buildings shall comply with Sections 5704.2.9.6.1 through 5704.2.9.6.3.

5704.2.9.6.1 Locations Where Above-Ground Tanks Are Prohibited

Storage of Class I and II liquids in above-ground tanks outside of buildings is prohibited within the limits established by law as the limits of districts in which such storage is prohibited [JURISDICTION TO SPECIFY].

5704.2.9.6.1.1 Location of Tanks With Pressures 2.5 psig or Less

Above-ground tanks operating at pressures not exceeding 2.5 psig (17.2 kPa) for storage of Class I, II or IIIA liquids, which are designed with a floating roof, a weak roof-to-shell seam or equipped with emergency venting devices limiting pressure to 2.5 psig (17.2 kPa), shall be located in accordance with Table 22.4.1.1(a) of NFPA 30.

Exceptions:

1. Vertical tanks having a weak roof-to-shell seam and storing Class IIIA liquids are allowed to be located at one-half the distances specified in Table 22.4.1.1(a) of NFPA 30, provided that the tanks are not within a diked area or drainage path for a tank storing Class I or II liquids.
2. Liquids with boilover characteristics and unstable liquids in accordance with Sections 5704.2.9.6.1.3 and 5704.2.9.6.1.4.

3. For protected above-ground tanks in accordance with Section 5704.2.9.7 and tanks in at-grade or above-grade vaults in accordance with Section 5704.2.8, the distances in Table 22.4.1.1(b) of NFPA 30 shall apply and shall be reduced by one-half, but not to less than 5 feet (1524 mm).

5704.2.9.6.1.2 Location of Tanks With Pressures Exceeding 2.5 psig

Above-ground tanks for the storage of Class I, II or IIIA liquids operating at pressures exceeding 2.5 psig (17.2 kPa) or equipped with emergency venting allowing pressures to exceed 2.5 psig (17.2 kPa) shall be located in accordance with Table 22.4.1.3 of NFPA 30.

Exception: Liquids with boilover characteristics and unstable liquids in accordance with Sections 5704.2.9.6.1.3 and 5704.2.9.6.1.4.

5704.2.9.6.1.3 Location of Tanks Storing Boilover Liquids

Above-ground tanks for storage of liquids with boilover characteristics shall be located in accordance with Table 22.4.1.4 of NFPA 30.

5704.2.9.6.1.4 Location of Tanks Storing Unstable Liquids

Above-ground tanks for the storage of unstable liquids shall be located in accordance with Table 22.4.1.5 of NFPA 30.

5704.2.9.6.1.5 Location of Tanks Storing Class IIIB Liquids

Above-ground tanks for the storage of Class IIIB liquids, excluding unstable liquids, shall be located in accordance with Table 22.4.1.6 of NFPA 30, except where located within a diked area or drainage path for a tank or tanks storing Class I or II liquids. Where a Class IIIB liquid storage tank is within the diked area or drainage path for a Class I or II liquid, distances required by Section 5704.2.9.6.1.1 shall apply.

5704.2.9.6.1.6 Reduction of Separation Distances to Adjacent Property

Where two tank properties of diverse ownership have a common boundary, the *fire code official* is authorized to, with the written consent of the *owners* of the two properties, apply the distances in Sections 5704.2.9.6.1.2 through 5704.2.9.6.1.5 assuming a single property.

5704.2.9.6.2 Separation Between Adjacent Stable or Unstable Liquid Tanks

The separation between tanks containing stable liquids shall be in accordance with Table 22.4.2.1 of NFPA 30. Where tanks are in a diked area containing Class I or II liquids, or in the drainage path of Class I or II liquids, and are compacted in three or more rows or in an irregular pattern, the *fire code official* is authorized to require greater separation than specified in Table 22.4.2.1 of NFPA 30 or other means to make tanks in the interior of the pattern open for fire-fighting purposes.

The separation between tanks containing unstable liquids shall be not less than one-half the sum of their diameters.

Exception: Tanks used for storing Class IIIB liquids are allowed to be spaced 3 feet (914 mm) apart unless within a diked area or drainage path for a tank storing Class I or II liquids.

5704.2.9.6.3 Separation Between Adjacent Tanks Containing Flammable or Combustible Liquids and LP-Gas

The minimum horizontal separation between an LP-gas container and a Class I, II or IIIA liquid storage tank shall be 20 feet (6096 mm) except in the case of Class I, II or IIIA liquid tanks operating at pressures exceeding 2.5 psig (17.2 kPa) or equipped with emergency venting allowing pressures to exceed 2.5 psig (17.2 kPa), in which case the provisions of Section 5704.2.9.6.2 shall apply.

An *approved* means shall be provided to prevent the accumulation of Class I, II or IIIA liquids under adjacent LP-gas containers such as by dikes, diversion curbs or grading. Where flammable or *combustible liquid* storage tanks are within a diked area, the LP-gas containers shall be outside the diked area and not less than 10 feet (3048 mm) away from the centerline of the wall of the diked area.

Exceptions:

1. Liquefied petroleum gas containers of 125 gallons (473 L) or less in capacity installed adjacent to fuel-oil supply tanks of 660 gallons (2498 L) or less in capacity.

2. Horizontal separation is not required between above-ground LP-gas containers and underground flammable and *combustible liquid* tanks.

5704.2.9.7 Additional Requirements for Protected Above-Ground Tanks

In addition to the requirements of this chapter for above-ground tanks, the installation of protected above-ground tanks shall be in accordance with Sections 5704.2.9.7.1 through 5704.2.9.7.9.

5704.2.9.7.1 Tank Construction

The construction of a protected above-ground tank and its primary tank shall be in accordance with Section 5704.2.7.

5704.2.9.7.2 Normal and Emergency Venting

Normal and emergency venting for protected above-ground tanks shall be provided in accordance with Sections 5704.2.7.3 and 5704.2.7.4. The vent capacity reduction factor shall not be allowed.

5704.2.9.7.3 Secondary Containment

Protected above-ground tanks shall be provided with secondary containment, drainage control or diking in accordance with Section 5004.2. A means shall be provided to establish the integrity of the secondary containment in accordance with NFPA 30.

5704.2.9.7.4 Vehicle Impact Protection

Where protected above-ground tanks, piping, electrical conduit or dispensers are subject to vehicular impact, they shall be protected therefrom, either by having the impact protection incorporated into the system design in compliance with the impact test protocol of UL 2085, or by meeting the provisions of Section 312, or where necessary, a combination of both. Where guard posts or other *approved* barriers are provided, they shall be independent of each above-ground tank.

5704.2.9.7.5 Overfill Prevention

Protected above-ground tanks shall not be filled in excess of 95 percent of their capacity. An overfill prevention system shall be provided for each tank. During tank-filling operations, the system shall comply with one of the following:

1. The overfill prevention system shall include the following:

- 1.1. An independent means of notifying the person filling the tank that the fluid level has reached 90 percent of tank capacity by providing an audible or visual alarm signal, providing a tank level gauge marked at 90 percent of tank capacity, or other *approved* means.
- 1.2. Automatic shut off of the flow of fuel to the tank when the quantity of liquid in the tank reaches 95 percent of tank capacity. For rigid hose fuel-delivery systems, an *approved* means shall be provided to empty the fill hose into the tank after the automatic shutoff device is activated.

2. The system shall reduce the flow rate to not more than 15 gallons per minute (0.95 L/s) so that at the reduced flow rate, the tank will not overfill for 30 minutes, and automatically shut off flow into the tank so that none of the fittings on the top of the tank are exposed to product because of overfilling.

5704.2.9.7.5.1 Information Signs

A permanent sign shall be provided at the fill point for the tank, documenting the filling procedure and the tank calibration chart.

Exception: Where climatic conditions are such that the sign may be obscured by ice or snow, or weathered beyond readability or otherwise impaired, said procedures and chart shall be located in the office window, lock box or other area available to the person filling the tank.

5704.2.9.7.5.2 Determination of Available Tank Capacity

The filling procedure shall require the person filling the tank to determine the gallonage (literage) required to fill it to 90 percent

of capacity before commencing the fill operation.

5704.2.9.7.6 Fill Pipe Connections

The fill pipe shall be provided with a means for making a direct connection to the tank vehicle's fuel delivery hose so that the delivery of fuel is not exposed to the open air during the filling operation. Where any portion of the fill pipe exterior to the tank extends below the level of the top of the tank, a check valve shall be installed in the fill pipe not more than 12 inches (305 mm) from the fill hose connection.

5704.2.9.7.7 Spill Containers

A spill container having a capacity of not less than 5 gallons (19 L) shall be provided for each fill connection. For tanks with a top fill connection, spill containers shall be noncombustible and shall be fixed to the tank and equipped with a manual drain valve that drains into the primary tank. For tanks with a remote fill connection, a portable spill container shall be allowed.

5704.2.9.7.8 Tank Openings

Tank openings in protected above-ground tanks shall be through the top only.

5704.2.9.7.9 Antisiphon Devices

Approved antisiphon devices shall be installed in each external pipe connected to the protected above-ground tank where the pipe extends below the level of the top of the tank.

5704.2.10 Drainage and Diking

The area surrounding a tank or group of tanks shall be provided with drainage control or shall be diked to prevent accidental discharge of liquid from endangering adjacent tanks, adjoining property or reaching waterways.

Exceptions:

1. The *fire code official* is authorized to alter or waive these requirements based on a technical report that demonstrates that such tank or group of tanks does not constitute a hazard to other tanks, waterways or adjoining property, after consideration of special features such as topographical conditions, nature of occupancy and proximity to buildings on the same or adjacent property, capacity, and construction of proposed tanks and character of liquids to be stored, and nature and quantity of private and public fire protection provided.
2. Drainage control and diking is not required for *listed* secondary containment tanks.

5704.2.10.1 Volumetric Capacity

The volumetric capacity of the diked area shall be not less than the greatest amount of liquid that can be released from the largest tank within the diked area. The capacity of the diked area enclosing more than one tank shall be calculated by deducting the volume of the tanks other than the largest tank below the height of the dike.

5704.2.10.2 Diked Areas Containing Two or More Tanks

Diked areas containing two or more tanks shall be subdivided in accordance with NFPA 30.

5704.2.10.3 Protection of Piping From Exposure Fires

Piping shall not pass through adjacent diked areas or impounding basins, unless provided with a sealed sleeve or otherwise protected from exposure to fire.

5704.2.10.4 Combustible Materials in Diked Areas

Diked areas shall be kept free from combustible materials, drums and barrels.

5704.2.10.5 Equipment, Controls and Piping in Diked Areas

Pumps, manifolds and fire protection equipment or controls shall not be located within diked areas or drainage basins or in a location where such equipment and controls would be endangered by fire in the diked area or drainage basin. Piping above ground shall be minimized and located as close as practical to the shell of the tank in diked areas or drainage basins.

Exceptions:

1. Pumps, manifolds and piping integral to the tanks or equipment being served, which is protected by intermediate diking, berms, drainage or fire protection such as water spray, monitors or resistive coating.
2. Fire protection equipment or controls that are appurtenances to the tanks or equipment being protected, such as foam chambers or foam piping and water or foam monitors and hydrants, or hand and wheeled extinguishers.

5704.2.11 Underground Tanks

Underground storage of flammable and *combustible liquids* in tanks shall comply with Section 5704.2 and Sections 5704.2.11.1 through 5704.2.11.4.2.

5704.2.11.1 Location

Flammable and *combustible liquid* storage tanks located underground, either outside or under buildings, shall be in accordance with all of the following:

1. Tanks shall be located with respect to existing foundations and supports such that the loads carried by the latter cannot be transmitted to the tank.
2. The distance from any part of a tank storing liquids to the nearest wall of a *basement*, pit, cellar or *lot line* shall be not less than 3 feet (914 mm).
3. A minimum distance of 1 foot (305 mm), shell to shell, shall be maintained between underground tanks.

5704.2.11.2 Depth and Cover

Excavation for underground storage tanks shall be made with due care to avoid undermining of foundations of existing structures. Underground tanks shall be set on firm foundations and surrounded with not less than 6 inches (152 mm) of noncorrosive inert material, such as clean sand.

5704.2.11.3 Overfill Protection and Prevention Systems

Fill pipes shall be equipped with a spill container and an overfill prevention system in accordance with NFPA 30.

5704.2.11.4 Leak Prevention

Leak prevention for underground tanks shall comply with Sections 5704.2.11.4.1 and 5704.2.11.4.2.

5704.2.11.4.1 Inventory Control

Daily inventory records for underground storage tank systems shall be maintained.

5704.2.11.4.2 Leak Detection

Underground storage tank systems shall be provided with an *approved* method of leak detection from any component of the system that is designed and installed in accordance with NFPA 30.

5704.2.12 Testing

Tank testing shall comply with Sections 5704.2.12.1 and 5704.2.12.2.

5704.2.12.1 Acceptance Testing

Prior to being placed into service, tanks shall be tested in accordance with Section 21.5 of NFPA 30.

5704.2.12.2 Testing of Underground Tanks

Before being covered or placed in use, tanks and piping connected to underground tanks shall be tested for tightness in the presence of the *fire code official*. Piping shall be tested in accordance with Section 5703.6.3. The system shall not be covered until it has been *approved*.

5704.2.13 Abandonment and Status of Tanks

Tanks taken out of service shall be removed in accordance with Section 5704.2.14, or safeguarded in accordance with Sections 5704.2.13.1 through 5704.2.13.2.3 and API 1604.

5704.2.13.1 Underground Tanks

Underground tanks taken out of service shall comply with Sections 5704.2.13.1.1 through 5704.2.13.1.5.

5704.2.13.1.1 Temporarily Out of Service

Underground tanks temporarily out of service shall have the fill line, gauge opening, vapor return and pump connection secure against tampering. Vent lines shall remain open and be maintained in accordance with Sections 5704.2.7.3 and 5704.2.7.4.

5704.2.13.1.2 Out of Service for 90 Days

Underground tanks not used for a period of 90 days shall be safeguarded in accordance with all the following or be removed in accordance with Section 5704.2.14:

1. Flammable or *combustible liquids* shall be removed from the tank.
2. All piping, including fill line, gauge opening, vapor return and pump connection, shall be capped or plugged and secured from tampering.
3. Vent lines shall remain open and be maintained in accordance with Sections 5704.2.7.3 and 5704.2.7.4.

5704.2.13.1.3 Out of Service for One Year

Underground tanks that have been out of service for a period of one year shall be removed from the ground in accordance with Section 5704.2.14 or abandoned in place in accordance with Section 5704.2.13.1.4.

5704.2.13.1.4 Tanks Abandoned in Place

Tanks abandoned in place shall be as follows:

1. Flammable and *combustible liquids* shall be removed from the tank and connected piping.
2. The suction, inlet, gauge, vapor return and vapor lines shall be disconnected.
3. The tank shall be filled completely with an *approved* inert solid material.
4. Remaining underground piping shall be capped or plugged.
5. A record of tank size, location and date of abandonment shall be retained.
6. All exterior above-grade fill piping shall be permanently removed when tanks are abandoned or removed.

5704.2.13.1.5 Reinstallation of Underground Tanks

Tanks that are to be reinstalled for flammable or *combustible liquid* service shall be in accordance with this chapter, ASME *Boiler and Pressure Vessel Code* (Section VIII), API 12-P, API 1615, UL 58 and UL 1316.

5704.2.13.2 Above-Ground Tanks

Above-ground tanks taken out of service shall comply with Sections 5704.2.13.2.1 through 5704.2.13.2.3.

5704.2.13.2.1 Temporarily Out of Service

Above-ground tanks temporarily out of service shall have all connecting lines isolated from the tank and be secured against tampering.

Exception: In-place fire protection (foam) system lines.

5704.2.13.2.2 Out of Service for 90 Days

Above-ground tanks not used for a period of 90 days shall be safeguarded in accordance with Section 5704.2.13.1.2 or removed in accordance with Section 5704.2.14.

Exceptions:

1. Tanks and containers connected to oil burners that are not in use during the warm season of the year or are used as a backup heating system to gas.
2. In-place, active fire protection (foam) system lines.

5704.2.13.2.3 Out of Service for One Year

Above-ground tanks that have been out of service for a period of one year shall be removed in accordance with Section 5704.2.14.

Exception: Tanks within operating facilities.

5704.2.14 Removal and Disposal of Tanks

Removal and disposal of tanks shall comply with Sections 5704.2.14.1 and 5704.2.14.2.

5704.2.14.1 Removal

Removal of above-ground and underground tanks shall be in accordance with all of the following:

1. Flammable and *combustible liquids* shall be removed from the tank and connected piping.
2. Piping at tank openings that is not to be used further shall be disconnected.
3. Piping shall be removed from the ground.

Exception: Piping is allowed to be abandoned in place where the *fire code official* determines that removal is not practical. Abandoned piping shall be capped and safeguarded as required by the *fire code official*.

4. Tank openings shall be capped or plugged, leaving a $\frac{1}{8}$ -inch to $\frac{1}{4}$ -inch-diameter (3.2 mm to 6.4 mm) opening for pressure equalization.
5. Tanks shall be purged of vapor and inerted prior to removal.
6. All exterior above-grade fill and vent piping shall be permanently removed.

Exception: Piping associated with bulk plants, terminal facilities and refineries.

5704.2.14.2 Disposal

Tanks shall be disposed of in accordance with federal, state and local regulations.

5704.2.15 Maintenance

Above-ground tanks, connected piping and ancillary equipment shall be maintained in a safe operating condition. Tanks shall be maintained in accordance with their listings. Damage to above-ground tanks, connected piping or ancillary equipment shall be repaired using materials having equal or greater strength and *fire resistance* or the equipment shall be replaced or taken out of service.

Colorado Fire Code 2018

Section 5004 Storage

5004.1 Scope

Storage of hazardous materials in amounts exceeding the *maximum allowable quantity per control area* as set forth in Section 5003.1 shall be in accordance with Sections 5001, 5003 and 5004. Storage of hazardous materials in amounts not exceeding the *maximum allowable quantity per control area* as set forth in Section 5003.1 shall be in accordance with Sections 5001 and 5003. Retail and wholesale storage and display of nonflammable solid and nonflammable and noncombustible liquid hazardous materials in Group M occupancies and Group S storage shall be in accordance with Section 5003.11.

5004.2 Spill Control and Secondary Containment for Liquid and Solid Hazardous Materials

Rooms, buildings or areas used for the storage of liquid or solid hazardous materials shall be provided with spill control and secondary containment in accordance with Sections 5004.2.1 through 5004.2.3.

Exception: Outdoor storage of containers on *approved* containment pallets in accordance with Section 5004.2.3.

5004.2.1 Spill Control for Hazardous Material Liquids

Rooms, buildings or areas used for the storage of hazardous material liquids in individual vessels having a capacity of more than 55 gallons (208 L), or in which the aggregate capacity of multiple vessels exceeds 1,000 gallons (3785 L), shall be provided with spill control to prevent the flow of liquids to adjoining areas. Floors in indoor locations and similar surfaces in outdoor locations shall be constructed to contain a spill from the largest single vessel by one of the following methods:

1. Liquid-tight sloped or recessed floors in indoor locations or similar areas in outdoor locations.
2. Liquid-tight floors in indoor locations or similar areas in outdoor locations provided with liquid-tight raised or recessed sills or dikes.
3. Sumps and collection systems.
4. Other *approved* engineered systems.

Except for surfacing, the floors, sills, dikes, sumps and collection systems shall be constructed of noncombustible material, and the liquid-tight seal shall be compatible with the material stored. Where liquid-tight sills or dikes are provided, they are not required at perimeter openings having an open-grate trench across the opening that connects to an *approved* collection system.

5004.2.2 Secondary Containment for Hazardous Material Liquids and Solids

Where required by Table 5004.2.2 buildings, rooms or areas used for the storage of hazardous materials liquids or solids shall be provided with secondary containment in accordance with this section where the capacity of an individual vessel or the aggregate capacity of multiple vessels exceeds both of the following:

1. Liquids: Capacity of an individual vessel exceeds 55 gallons (208 L) or the aggregate capacity of multiple vessels exceeds 1,000 gallons (3785 L).
2. Solids: Capacity of an individual vessel exceeds 550 pounds (250 kg) or the aggregate capacity of multiple vessels exceeds 10,000 pounds (4540 kg).

TABLE 5004.2.2

REQUIRED SECONDARY CONTAINMENT—HAZARDOUS MATERIAL SOLIDS AND LIQUIDS STORAGE

MATERIAL	INDOOR STORAGE		OUTDOOR STORAGE	
	Solids	Liquids	Solids	Liquids
1. Physical-hazard materials				

Combustible liquids	Class II	Not Applicable	See Chapter 57	Not Applicable	See Chapter 57
	Class IIIA		See Chapter 57		See Chapter 57
	Class IIIB		See Chapter 57		See Chapter 57
Cryogenic fluids			See Chapter 55		See Chapter 55
Explosives		See Chapter 56		See Chapter 56	
Flammable liquids	Class IA	Not Applicable	See Chapter 57	Not Applicable	See Chapter 57
	Class IB		See Chapter 57		See Chapter 57
	Class IC		See Chapter 57		See Chapter 57
Flammable solids		Not Required	Not Applicable	Not Required	Not Applicable
Organic peroxides	Unclassified Detonable	Required	Required	Not Required	Not Required
	Class I				
	Class II				
	Class III				
	Class IV				
	Class V	Not Required	Not Required	Not Required	Not Required
Oxidizers	Class 4	Required	Required	Not Required	Not Required
	Class 3				
	Class 2				
	Class 1	Not Required	Not Required	Not Required	Not Required
Pyrophorics		Not Required	Required	Not Required	Required
Unstable (reactives)	Class 4	Required	Required	Required	Required
	Class 3				
	Class 2				
	Class 1	Not Required	Not Required	Not Required	Not Required
Water reactives	Class 3	Required	Required	Required	Required
	Class 2				
	Class 1	Not Required	Not Required	Not Required	Not Required
2. Health-hazard materials					
Corrosives		Not Required	Required	Not Required	Required
Highly toxics		Required	Required	Required	Required
Toxics					

5004.2.2.1 Containment and Drainage Methods

The building, room or area shall contain or drain the hazardous materials and fire protection water through the use of one of the following methods:

1. Liquid-tight sloped or recessed floors in indoor locations or similar areas in outdoor locations.
2. Liquid-tight floors in indoor locations or similar areas in outdoor locations provided with liquid-tight raised or recessed sills or dikes.
3. Sumps and collection systems.
4. Drainage systems leading to an *approved* location.
5. Other *approved* engineered systems.

5004.2.2.2 Incompatible Materials

Incompatible materials used in *open systems* shall be separated from each other in the secondary containment system.

5004.2.2.3 Indoor Design

Secondary containment for indoor storage areas shall be designed to contain a spill from the largest vessel plus the design flow volume of fire protection water calculated to discharge from the fire-extinguishing system over the minimum required system design area or area of the room or area in which the storage is located, whichever is smaller. The containment capacity shall be designed to contain the flow for a period of 20 minutes.

5004.2.2.4 Outdoor Design

Secondary containment for outdoor storage areas shall be designed to contain a spill from the largest individual vessel. If the area is open to rainfall, secondary containment shall be designed to include the volume of a 24-hour rainfall as determined by a 25-year storm and provisions shall be made to drain accumulations of groundwater and rainwater.

5004.2.2.5 Monitoring

An *approved* monitoring method shall be provided to detect hazardous materials in the secondary containment system. The monitoring method is allowed to be visual inspection of the primary or secondary containment, or other *approved* means. Where secondary containment is subject to the intrusion of water, a monitoring method for detecting water shall be provided. Where monitoring devices are provided, they shall be connected to *approved* visual or audible alarms.

5004.2.2.6 Drainage System Design

Drainage systems shall be in accordance with the *International Plumbing Code* and all of the following:

1. The slope of floors to drains in indoor locations, or similar areas in outdoor locations shall be not less than 1 percent.
2. Drains from indoor storage areas shall be sized to carry the volume of the fire protection water as determined by the design density discharged from the automatic fire-extinguishing system over the minimum required system design area or area of the room or area in which the storage is located, whichever is smaller.
3. Drains from outdoor storage areas shall be sized to carry the volume of the fire flow and the volume of a 24-hour rainfall as determined by a 25-year storm.
4. Materials of construction for drainage systems shall be compatible with the materials stored.
5. *Incompatible materials* used in *open systems* shall be separated from each other in the drainage system.
6. Drains shall terminate in an *approved* location away from buildings, valves, *means of egress*, fire access roadways, adjoining property and storm drains.

5004.2.3 Containment Pallets

Where used as an alternative to spill control and secondary containment for outdoor storage in accordance with the exception in Section 5004.2, containment pallets shall comply with all of the following:

1. A liquid-tight sump with access for visual inspection shall be provided.
2. The sump shall be designed to contain not less than 66 gallons (250 L).
3. Exposed surfaces shall be compatible with material stored.
4. Containment pallets shall be protected to prevent collection of rainwater within the sump.

5004.3 Ventilation

Indoor storage areas and storage buildings shall be provided with mechanical exhaust ventilation or natural ventilation where natural ventilation can be shown to be acceptable for the materials as stored.

Exception: Storage areas for flammable solids complying with Chapter 59.

5004.3.1 System Requirements

Exhaust ventilation systems shall comply with all of the following:

1. Installation shall be in accordance with the *International Mechanical Code*.
2. Mechanical ventilation shall be at a rate of not less than 1 cubic foot per minute per square foot [$0.00508 \text{ m}^3/(\text{s} \cdot \text{m}^2)$] of floor area over the storage area.
3. Systems shall operate continuously unless alternative designs are *approved*.
4. A manual shutoff control shall be provided outside of the room in a position adjacent to the access door to the room or in an *approved* location. The switch shall be a break-glass or other *approved* type and shall be *labeled*: VENTILATION SYSTEM EMERGENCY SHUTOFF.
5. Exhaust ventilation shall be designed to consider the density of the potential fumes or vapors released. For fumes or vapors that are heavier than air, exhaust shall be taken from a point within 12 inches (305 mm) of the floor. For fumes or vapors that are lighter than air, exhaust shall be taken from a point within 12 inches (305 mm) of the highest point of the room.
6. The location of both the exhaust and inlet air openings shall be designed to provide air movement across all portions of the floor or room to prevent the accumulation of vapors.
7. Exhaust air shall not be recirculated to occupied areas if the materials stored are capable of emitting hazardous vapors and contaminants have not been removed. Air contaminated with explosive or flammable vapors, fumes or dusts; flammable, highly toxic or toxic gases; or radioactive materials shall not be recirculated.

5004.4 Separation of Incompatible Hazardous Materials

Incompatible materials shall be separated in accordance with Section 5003.9.8.

5004.5 Automatic Sprinkler Systems

Indoor storage areas and storage buildings shall be equipped throughout with an *approved automatic sprinkler system* in accordance with Section 903.3.1.1. The design of the sprinkler system shall be not less than that required for Ordinary Hazard Group 2 with a minimum design area of 3,000 square feet (279 m^2). Where the materials or storage arrangement are required by other regulations to be provided with a higher level of sprinkler system protection, the higher level of sprinkler system protection shall be provided.

5004.6 Explosion Control

Indoor storage rooms, areas and buildings shall be provided with explosion control in accordance with Section 911.

5004.7 Standby or Emergency Power

Where mechanical ventilation, treatment systems, temperature control, alarm, detection or other electrically operated systems are required, such systems shall be provided with an emergency or standby power in accordance with Section 1203.

For storage areas for highly toxic or toxic materials, see Sections 6004.2.2.8 and 6004.3.4.2.

5004.7.1 Exempt Applications

Standby or emergency power is not required for mechanical ventilation systems for any of the following:

1. Storage of Class IB and IC *flammable liquids* and Class II and III *combustible liquids* in closed containers not exceeding a capacity of 6¹/₂ gallons (25 L).
2. Storage of Class 1 and 2 oxidizers.
3. Storage of Class II, III, IV and V organic peroxides.
4. Storage of asphyxiant, irritant and radioactive gases.

5004.7.2 Fail-Safe Engineered Systems

Standby power for mechanical ventilation, treatment systems and temperature control systems shall not be required where an *approved* fail-safe engineered system is installed.

5004.8 Limit Controls

Limit controls shall be provided in accordance with Sections 5004.8.1 and 5004.8.2.

5004.8.1 Temperature Control

Materials that must be kept at temperatures other than normal ambient temperatures to prevent a hazardous reaction shall be provided with an approved means to maintain the temperature within a safe range. Redundant temperature control equipment that will operate on failure of the primary temperature control system shall be provided. Where *approved*, alternative means that prevent a hazardous reaction are allowed.

5004.8.2 Pressure Control

Stationary tanks and equipment containing hazardous material liquids that can generate pressures exceeding design limits because of exposure fires or internal reaction shall have some form of construction or other *approved* means that will relieve excessive internal pressure. The means of pressure relief shall vent to an *approved* location or to an exhaust scrubber or treatment system where required by Chapter 60.

5004.9 Emergency Alarm

An *approved* manual emergency alarm system shall be provided in buildings, rooms or areas used for storage of hazardous materials. Emergency alarm-initiating devices shall be installed outside of each interior *exit* or *exit access* door of storage buildings, rooms or areas. Activation of an emergency alarm-initiating device shall sound a local alarm to alert occupants of an emergency situation involving hazardous materials.

5004.10 Supervision and Monitoring

Emergency alarm, detection and automatic fire-extinguishing systems required by Section 5004 shall be electrically supervised and monitored by an *approved* supervising station or, where *approved*, shall initiate an audible and visual signal at a constantly attended on-site location.

5004.11 Clearance From Combustibles

The area surrounding an outdoor storage area or tank shall be kept clear of combustible materials and vegetation for a minimum distance of 25 feet (7620 mm).

5004.12 Noncombustible Floor

Except for surfacing, floors of storage areas shall be of noncombustible construction.

5004.13 Weather Protection

Where overhead noncombustible construction is provided for sheltering outdoor hazardous material storage areas, such storage shall not be considered indoor storage where the area is constructed in accordance with the requirements for weather protection as required by the *International Building Code*.

Exception: Storage of *explosive* materials shall be considered as indoor storage.



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NOTICE AND AGENDA
Regular Meeting
Idaho Springs City Council
1711 Miner Street, City Hall
Monday, October 09, 2023
7:00 p.m.

1. **CALL TO ORDER**
2. **ROLL CALL**
3. **PLEDGE OF ALLEGIANCE**
4. **AGENDA APPROVAL**
 - a) Move to approve the agenda for the October 09, 2023 meeting
5. **CONFLICT OF INTEREST**
6. **APPROVAL OF MINUTES**
 - a) Move to approve the minutes from September 25, 2023
7. **APPROVAL OF BILLS**
 - a) Move to approve bills to October 09, 2023
8. **PUBLIC COMMENT**
9. **UNSCHEDULED PUBLIC COMMENT**
10. **LIQUOR LICENSING AUTHORITY**
11. **FINANCE OFFICER**
12. **RESOLUTIONS**
13. **ORDINANCE FIRST READING**
14. **ORDINANCE SECOND READING**
15. **CITY ATTORNEY**
16. **CITY ADMINISTRATOR**
 - a) Staff report submitted with no requests for action.
17. **ADMINISTRATION DEPARTMENT**
 - a) **Assistant City Administrator** – Staff report submitted with no requests for action.
 - b) **Deputy City Clerk** – Staff report submitted with no requests for action.
18. **POLICE DEPARTMENT**
 - a) Staff report submitted with no requests for action.
19. **PUBLIC WORKS DEPARTMENT**
 - a) Staff report submitted with one request for action. Motion to approve the estimate from D&B Construction for a 3-week program to replace 190 water meters from line item #51-15-7006.
20. **WATER FACILITIES DEPARTMENT**
 - a) Staff report submitted with no requests for action.
21. **COMMITTEE REPORTS**
22. **CITY CLERK/TREASURER**
23. **MAYOR / COUNCIL**
24. **EXECUTIVE SESSION** under C.R.S. section 24-6-402(4)(a) and (e) to discuss the possible acquisition and disposal of real property, and to determine strategy and instruct negotiators concerning potential property transactions.
25. **ADJOURN**
 - a) Next Work Session Monday October 23, 2023.
 - b) Next Regular Meeting on Monday, October 23, 2023

IN-PERSON AND REMOTE MEETING PUBLIC ATTENDANCE AND PARTICIPATION INSTRUCTIONS

The Public is able to view and hear this meeting remotely at the following address on the City's website:

<https://www.colorado.gov/pacific/idahospings/city-council-live>

To appear on the agenda as **Scheduled** Public Comment (in person or remote), you must fill out the form at the following link and return to the Deputy City Clerk no later than Noon (12 p.m.) the Thursday before the meeting date:

https://www.colorado.gov/pacific/sites/default/files/Fillable%20Council%20Public%20Comment_1.pdf. For remote Public Comment, please use this link to join the meeting: <https://us02web.zoom.us/j/88123857147>

To provide in-person **Unscheduled** public comment, please sign-in at the entrance to the Council Chambers. To provide remote unscheduled comment, please use this link to join the meeting: <https://us02web.zoom.us/j/88123857147>.

You will need to identify yourself when joining the Zoom meeting with an accurate first and last name. You will then need to raise your hand to be recognized for public comment at the designated time on the agenda.

Each Scheduled/Unscheduled Public Comment is limited to three (3) minutes.

**JOHN CURTIS
SCOTT PENNELL
CHUCK HARMON**

**KATE COLLIER
ART CACCAVALE
JIM CLARK**

JEREMY JONES

**IDAHO SPRINGS CITY COUNCIL
REGULAR MEETING
SEPTEMBER 25, 2023**

The City Council of the City of Idaho Springs held a regular meeting on September 25, 2023, in the city council chambers. Mayor Harmon called the meeting to order at 7:10 p.m.

Answering the roll were: Chuck Harmon, Scott Pennell, Art Caccavale, Jeremy Jones and John Curtis. Councilmembers Jim Clark and Kate Collier were absent. Also present were Assistant City Administrator Jonathan Cain, Deputy City Clerk Wonder Martell, Chief Nate Buseck, Public Works Superintendent Paul Crain, and Water Facilities Supervisor Edward Sigward. City Attorney Carmen Beery joined via ZOOM.

The Pledge of Allegiance was recited by all present.

AGENDA APPROVAL

Councilmember Curtis moved to approve the agenda for September 25, 2023
Councilmember Pennell seconded, followed by an all-in favor voice vote.

CONFLICT OF INTEREST

APPROVAL OF MINUTES

Councilmember Caccavale moved to approve minutes of September 11, 2023
Councilmember Jones seconded, followed by an all-in favor voice vote 4-0. Councilmember Curtis obtained as he was not present at the September 11th meeting,

APPROVAL OF BILLS

Councilmember Pennell moved to approve the bills to September 25, 2023
Councilmember Caccavale seconded, followed by an all-in favor roll call vote.

PUBLIC COMMENT

UNSCHEDULED PUBLIC COMMENT

LIQUOR LICENSING AUTHORITY

FINANCE OFFICER

The August financial statements were in the packet for council to review.

RESOLUTIONS

- a) Councilmember Pennell moved to approve Resolution #20, Series 2023 A Resolution supporting a yes vote on city ballot question 2A to authorize the city to keep and spend all revenues without creating any new tax or increasing any current tax. Councilmember Caccavale seconded followed by an all in favor roll call vote.
- b) Councilmember Jones moved to approve Resolution #21, Series 2023 A Resolution electing to become a member of The Colorado Retirement Association (CRA) and approving The CRA Deferred Compensation Plan and Trust Agreement. Councilmember Pennell seconded followed by an all-in favor roll call vote.
- c) Councilmember Pennell moved to approve Resolution #22, Series 2023 A Resolution adopting an updated and amended City of Idaho Springs fee schedule. Councilmember Jones seconded followed by an all-in favor roll call vote.

JOHN CURTIS
SCOTT PENNELL
CHUCK HARMON

KATE COLLIER
ART CACCAVALE
JIM CLARK

JEREMY JONES

- a) Councilmember Jones moved to approve Resolution #23, Series 2023 A Resolution supporting the City's application for a Land & Water Conservation Fund (LWCF) Grant from Colorado Parks and Wildlife (CPW) for the Shelly-Quinn Ballfields Redevelopment Project. Councilmember Curtis seconded followed by an all-in favor roll call vote.

ORDINANCE FIRST READING

ORDINANCE SECOND READING

CITY ATTORNEY

CITY ADMINISTRATOR

Staff report submitted with no requests for action. Councilmember Caccavale asked Mr. Marsh about the mention of a gentleman wanting to annex into the city and provide some type of senior housing. Mr. Marsh advised Mayor and Council that this is a single family home that is wanting to annex into the city and that the senior housing would be very small scale and that there would be additional building built on site for that type of use. Councilmember Caccavale expressed appreciation for this as he thinks that the city does not do as much as we could for our senior population.

ADMINISTRATIVE DEPARTMENT

Assistant City Administrator- Staff report submitted with no requests for action.

Deputy City Clerk – Staff report submitted with no requests for action.

POLICE DEPARTMENT

Staff report submitted with no requests for action. Chief Buseck brought up that there is an open house on Wednesday September 27th from 5pm till 7pm at the new Police Station to be located at 1744 Miner Street.

PUBLIC WORKS

Staff report submitted with one request for action. Councilmember Jones moved to approve up to \$75,000.00 with A-Fast Patch for asphalt patching and repair in various locations around Idaho Springs from line item #23-00-6016. Councilmember Curtis seconded followed by an all-in favor roll call vote.

WATER/WASTEWATER DEPARTMENT

Staff report submitted with no requests for action.

MAYOR/COUNCIL

ADJOURN

Mayor Chuck Harmon adjourned the regular meeting to go into the executive session at 7:20 pm.

EXECUTIVE SESSION ADJOURN

Mayor Chuck Harmon adjourned the executive session at 8:27pm

Invoice	Type	Description	Invoice Date	Due Date	Total Cost	Terms	Period	GL Account
A.D. Miller Services (2069)								
2411.6								
2411.6	Invoice	Public Works Facility	09/26/2023	10/26/2023	86,955.78	Open	08/23	21-00-7044
Total 2411.6:					86,955.78			
Total A.D. Miller Services (2069):					86,955.78			
AlphaGraphics (1013)								
14993								
14993	Invoice	backflow program	09/29/2023	10/29/2023	1,040.10	Open	09/23	51-15-6005
Total 14993:					1,040.10			
Total AlphaGraphics (1013):					1,040.10			
AlSCO - Denver Linen (13)								
2819141								
2819141	Invoice	Carpets	09/26/2023	10/07/2023	74.60	Open	09/23	10-30-5108
Total 2819141:					74.60			
Total AlSCO - Denver Linen (13):					74.60			
AmeriGas (1478)								
3155239749								
3155239749	Invoice	Hazmat Fee fuel recovery	09/23/2023	10/23/2023	21.98	Open	09/23	51-00-6001
3155239749	Invoice	Propane	09/23/2023	10/23/2023	2,321.93	Open	09/23	51-00-6001
Total 3155239749:					2,343.91			
3155239752								
3155239752	Invoice	Hazmat Fee fuel recovery	09/23/2023	10/23/2023	21.98	Open	09/23	51-00-6001
3155239752	Invoice	Propane	09/23/2023	10/23/2023	1,822.10	Open	09/23	51-00-6001
Total 3155239752:					1,844.08			
Total AmeriGas (1478):					4,187.99			
Arrowhead Landscape Services (1995)								
503015475								
503015475	Invoice	Monthly Grouds Maintenance CR	06/15/2023	10/15/2023	3,095.00	Open	09/23	10-60-5108
Total 503015475:					3,095.00			
50319370								
50319370	Invoice	Monthly Grouds Maintenance CR	07/13/2023	10/15/2023	3,095.00	Open	09/23	10-60-5108
Total 50319370:					3,095.00			
Total Arrowhead Landscape Services (1995):					6,190.00			
AT&T Mobility (283)								
287246995984X09212023								
287246995984X09212023	Invoice	Cell Phone/WasteWater	09/21/2023	10/08/2023	157.96	Open	09/23	52-00-5335
287246995984X09212023	Invoice	Cell Phones/Water	09/21/2023	10/08/2023	157.96	Open	09/23	51-00-5335
Total 287246995984X09212023:					315.92			
Total AT&T Mobility (283):					315.92			
Browns Hill Engineering & Cont (1416)								

Invoice	Type	Description	Invoice Date	Due Date	Total Cost	Terms	Period	GL Account
1128								
1128	Invoice	WTP SCADA Leasing Agreement	10/01/2023	11/01/2023	8,238.00	Open	11/23	51-00-5309
Total 1128:					8,238.00			
1129								
1129	Invoice	WWTP SCADA Leasing Agreeeme	10/01/2023	11/01/2023	1,620.00	Open	11/23	52-00-5309
Total 1129:					1,620.00			
Total Browns Hill Engineering & Cont (1416):					9,858.00			
CenturyLink (569)								
3035672130-9222023								
3035672130-9222023	Invoice	WWTP Alarm	09/22/2023	10/13/2023	214.51	Open	10/23	52-00-5335
Total 3035672130-9222023:					214.51			
3035679613-9252023								
3035679613-9252023	Invoice	WTP Phone Line/Alarm	09/25/2023	10/15/2023	198.54	Open	10/23	51-00-5303
Total 3035679613-9252023:					198.54			
Total CenturyLink (569):					413.05			
Chicago Creek Sanitation (434)								
2023-10								
2023-10	Invoice	Maintenance Fee	09/25/2023	10/25/2023	171.00	Open	10/23	52-00-5206
Total 2023-10:					171.00			
Total Chicago Creek Sanitation (434):					171.00			
Clear Creek Supply (291)								
POLICE-9302023								
POLICE-9302023	Invoice	374360 - battery	09/30/2023	10/10/2023	182.99	Open	09/23	10-30-6193
POLICE-9302023	Invoice	374371 - core return for battery	09/30/2023	10/10/2023	22.00	Open	09/23	10-30-6193
POLICE-9302023	Invoice	374437 - tow strap hooks	09/30/2023	10/10/2023	47.98	Open	09/23	10-30-6193
Total POLICE-9302023:					208.97			
STREETS-9302023								
STREETS-9302023	Invoice	373885 - grease fitting loper and o	09/30/2023	10/10/2023	24.06	Open	10/23	10-10-6150
STREETS-9302023	Invoice	374019 - punch for tool box	09/30/2023	10/10/2023	10.59	Open	10/23	10-10-6012
STREETS-9302023	Invoice	374022 - grommet and hi count lef	09/30/2023	10/10/2023	158.58	Open	10/23	10-10-6150
STREETS-9302023	Invoice	374265 - bolts and snap ring	09/30/2023	10/10/2023	6.19	Open	10/23	10-10-6150
Total STREETS-9302023:					199.42			
WW-9302023								
WW-9302023	Invoice	373797 - tape for uv bulbs	09/30/2023	10/10/2023	3.99	Open	10/23	52-00-6010
WW-9302023	Invoice	373965 - wax ring for wastewater	09/30/2023	10/10/2023	9.99	Open	10/23	52-00-6004
WW-9302023	Invoice	374246 - detailing brush and shoe	09/30/2023	10/10/2023	14.66	Open	10/23	51-00-5204
Total WW-9302023:					28.64			
Total Clear Creek Supply (291):					437.03			
Colorado Analytical Lab (945)								
230912067								
230912067	Invoice	bod-5	09/12/2023	10/11/2023	66.60	Open	09/23	52-00-5201

Invoice	Type	Description	Invoice Date	Due Date	Total Cost	Terms	Period	GL Account
Total 230912067:					66.60			
230914006								
230914006	Invoice	Water testing	09/14/2023	10/14/2023	396.00	Open	09/23	51-00-5201
Total 230914006:					396.00			
230919079								
230919079	Invoice	bod-5	09/19/2023	10/19/2023	66.60	Open	09/23	52-00-5201
Total 230919079:					66.60			
230919084								
230919084	Invoice	total coliform P/A compl	09/19/2023	10/19/2023	103.50	Open	09/23	51-00-5201
Total 230919084:					103.50			
230926070								
230926070	Invoice	bod-5	09/26/2023	10/26/2023	66.60	Open	09/23	52-00-5201
Total 230926070:					66.60			
Total Colorado Analytical Lab (945):					699.30			
Colorado Community Media (1981)								
95889								
95889	Invoice	Legal Publication	09/22/2023	10/22/2023	22.92	Open	09/23	10-20-5312
Total 95889:					22.92			
Total Colorado Community Media (1981):					22.92			
Colorado Water Resources & Power Dev. Au (1942)								
10.1.2023								
10.1.2023	Invoice	W20F430 Interest	10/01/2023	11/01/2023	7,126.30	Open	10/23	52-79-8102
10.1.2023	Invoice	W20F430 Principal	10/01/2023	11/01/2023	47,485.57	Open	10/23	52-79-8101
Total 10.1.2023:					54,611.87			
W19F061-10.1.2023								
W19F061-10.1.2023	Invoice	W19F061 Interest	10/01/2023	11/01/2023	6,769.26	Open	10/23	52-79-8110
W19F061-10.1.2023	Invoice	W19F061 Principal	10/01/2023	11/01/2023	47,842.61	Open	10/23	52-79-8109
Total W19F061-10.1.2023:					54,611.87			
Total Colorado Water Resources & Power Dev. Au (1942):					109,223.74			
Common Knowledge Technology, Inc (1549)								
61174								
61174	Invoice	IT Services - Admin	10/02/2023	11/01/2023	816.04	Open	10/23	10-20-5108
61174	Invoice	IT Services - PD	10/02/2023	11/01/2023	816.04	Open	10/23	10-30-5108
61174	Invoice	IT Services - Streets	10/02/2023	11/01/2023	816.04	Open	10/23	10-10-5108
61174	Invoice	IT Services - Water	10/02/2023	11/01/2023	408.02	Open	10/23	51-00-5108
61174	Invoice	IT Services - WW	10/02/2023	11/01/2023	408.03	Open	10/23	52-00-5108
Total 61174:					3,264.17			
Total Common Knowledge Technology, Inc (1549):					3,264.17			
Core & Main LP (959)								
T639495								
T639495	Invoice	corp valve	09/22/2023	10/22/2023	488.22	Open	09/23	51-15-6005

Invoice	Type	Description	Invoice Date	Due Date	Total Cost	Terms	Period	GL Account
T639495	Invoice	curb valve	09/22/2023	10/22/2023	626.88	Open	09/23	51-15-6005
T639495	Invoice	pe insert	09/22/2023	10/22/2023	54.10	Open	09/23	51-15-6005
T639495	Invoice	valve box ext	09/22/2023	10/22/2023	428.58	Open	09/23	51-15-6005
T639495	Invoice	valve box kit	09/22/2023	10/22/2023	1,230.00	Open	09/23	51-15-6005
Total T639495:					2,827.78			
T672584								
T672584	Invoice	rubber repair kit	10/03/2023	11/03/2023	411.20	Open	10/23	51-15-6005
Total T672584:					411.20			
Total Core & Main LP (959):					3,238.98			
David Christiansen (1897)								
6323								
6323	Invoice	pre-employment Psychological	10/01/2023	10/30/2023	450.00	Open	10/23	10-30-5109
Total 6323:					450.00			
Total David Christiansen (1897):					450.00			
Doyle Disposal (380)								
17610								
17610	Invoice	Trash Service Sewer Plant	09/25/2023	10/25/2023	453.00	Open	10/23	52-00-5202
Total 17610:					453.00			
Total Doyle Disposal (380):					453.00			
Front Range Carpet (617)								
9.26.23								
9.26.23	Invoice	Clean Carpets at 103 14th	09/26/2023	10/26/2023	411.00	Open	09/23	10-20-5207
Total 9.26.23:					411.00			
Total Front Range Carpet (617):					411.00			
Galls (527)								
025636999								
025636999	Invoice	ballistic vest	09/12/2023	10/12/2023	945.03	Open	09/23	10-30-6030
Total 025636999:					945.03			
Total Galls (527):					945.03			
Historical Society of I S (149)								
Q3 2023								
Q3 2023	Invoice	Visitor center 3rd operating expen	09/30/2023	10/30/2023	11,667.50	Open	09/23	10-21-5030
Total Q3 2023:					11,667.50			
Total Historical Society of I S (149):					11,667.50			
Home Depot Credit Services (578)								
4183192								
4183192	Invoice	gloves broom and dust pan	09/05/2023	10/31/2023	92.91	Open	09/23	10-10-6020
Total 4183192:					92.91			
1021345								
1021345	Invoice	batteries	09/08/2023	10/31/2023	20.87	Open	09/23	10-10-6010

Invoice	Type	Description	Invoice Date	Due Date	Total Cost	Terms	Period	GL Account
Total 1021345:					20.87			
7011328								
7011328	Invoice	trash bags, gloves, paint roller	09/12/2023	10/31/2023	119.26	Open	09/23	10-60-6010
Total 7011328:					119.26			
Total Home Depot Credit Services (578):					233.04			
HRS Water Consultants (851)								
19911								
19911	Invoice	Monthly Reservoir Services	09/19/2023	10/19/2023	2,756.50	Open	08/23	51-00-5104
Total 19911:					2,756.50			
Total HRS Water Consultants (851):					2,756.50			
JVA Incorporated (1110)								
113995								
113995	Invoice	robert brothers building	08/31/2023	10/31/2023	10,739.80	Open	08/23	59-70-5108
Total 113995:					10,739.80			
114097								
114097	Invoice	argo development planning review	08/31/2023	10/31/2023	640.00	Open	08/23	10-00-2401
Total 114097:					640.00			
114098								
114098	Invoice	mobility hub	08/31/2023	10/31/2023	640.00	Open	08/23	59-70-5108
Total 114098:					640.00			
114099								
114099	Invoice	Building 103 Plan Review	08/31/2023	10/31/2023	240.00	Open	08/23	10-00-2401
Total 114099:					240.00			
114100								
114100	Invoice	robert brothers garage	08/31/2023	10/31/2023	858.95	Open	08/23	59-70-5108
Total 114100:					858.95			
114239								
114239	Invoice	montane park water storage repla	08/31/2023	10/31/2023	8,445.00	Open	08/23	51-72-7320
Total 114239:					8,445.00			
114455								
114455	Invoice	mattie dam repairs	08/31/2023	10/31/2023	52,479.83	Open	08/23	51-72-7310
Total 114455:					52,479.83			
Total JVA Incorporated (1110):					74,043.58			
Law Firm Of Suzanne Rogers PC (737)								
10.1.23								
10.1.23	Invoice	Mileage	10/01/2023	10/30/2023	57.25	Open	10/23	10-40-5115
10.1.23	Invoice	Prosecutor	10/01/2023	10/30/2023	1,500.00	Open	10/23	10-40-5115
Total 10.1.23:					1,557.25			

Invoice	Type	Description	Invoice Date	Due Date	Total Cost	Terms	Period	GL Account
Total Law Firm Of Suzanne Rogers PC (737):					1,557.25			
Liberty Communications (1547)								
3036856								
3036856	Invoice	phone service admin	09/30/2023	10/30/2023	143.22	Open	10/23	10-20-5303
3036856	Invoice	phone service police	09/30/2023	10/30/2023	143.22	Open	10/23	10-30-5303
3036856	Invoice	phone service public works	09/30/2023	10/30/2023	143.22	Open	10/23	10-10-5303
3036856	Invoice	phone service wastewater	09/30/2023	10/30/2023	71.61	Open	10/23	52-00-5303
3036856	Invoice	phone service water	09/30/2023	10/30/2023	71.60	Open	10/23	51-00-5303
Total 3036856:					572.87			
Total Liberty Communications (1547):					572.87			
Michael Goodbee (1940)								
10.1.23								
10.1.23	Invoice	Judge	10/01/2023	10/31/2023	1,600.00	Open	10/23	10-40-5110
Total 10.1.23:					1,600.00			
Total Michael Goodbee (1940):					1,600.00			
Paul Peavey (2084)								
10.4.23								
10.4.23	Invoice	23rd Avenue Bridge	10/04/2023	10/31/2023	3,250.00	Open	10/23	10-10-5108
Total 10.4.23:					3,250.00			
Total Paul Peavey (2084):					3,250.00			
Peak Performance Imaging Solutions (409)								
67648								
67648	Invoice	Monthly rental for printer	10/01/2023	10/16/2023	140.00	Open	10/23	10-20-5309
Total 67648:					140.00			
67680								
67680	Invoice	Copier Meter Bill/Police	10/01/2023	10/16/2023	73.37	Open	10/23	10-30-5309
Total 67680:					73.37			
Total Peak Performance Imaging Solutions (409):					213.37			
Phoenix Automatic Sprinkler INC (2101)								
10.4.23								
10.4.23	Invoice	Back flows	10/04/2023	11/04/2023	1,790.00	Open	10/23	51-15-5205
Total 10.4.23:					1,790.00			
Total Phoenix Automatic Sprinkler INC (2101):					1,790.00			
SHR Car Wash Colorado LLC (534)								
2023-SEP-24								
2023-SEP-24	Invoice	Car Wash	09/24/2023	10/24/2023	119.88	Open	10/23	10-30-6100
Total 2023-SEP-24:					119.88			
Total SHR Car Wash Colorado LLC (534):					119.88			
Sprint (750)								
569628819-190								
569628819-190	Invoice	Code cell phone	09/27/2023	10/23/2023	65.51	Open	09/23	10-30-5335

Invoice	Type	Description	Invoice Date	Due Date	Total Cost	Terms	Period	GL Account
Total 569628819-190:					65.51			
Total Sprint (750):					65.51			
T Mobile (2040)								
981870408								
981870408	Invoice	Police Department Cell Phone/hot	09/21/2023	10/13/2023	1,233.24	Open	09/23	10-30-5335
Total 981870408:					1,233.24			
Total T Mobile (2040):					1,233.24			
Terracon Consultants, INC. (1692)								
TJ92472								
TJ92472	Invoice	Geotech Services PW Facility	09/05/2023	10/31/2023	1,600.00	Open	09/23	21-00-7044
Total TJ92472:					1,600.00			
Total Terracon Consultants, INC. (1692):					1,600.00			
The Home Depot Pro (1895)								
767556137								
767556137	Invoice	13 gl trash bags	09/27/2023	10/27/2023	531.15	Open	09/23	10-60-6010
767556137	Invoice	Disinfectant mop	09/27/2023	10/27/2023	59.72	Open	09/23	10-60-6010
767556137	Invoice	jumbo roll tp	09/27/2023	10/27/2023	299.45	Open	09/23	10-60-6010
767556137	Invoice	paper towels	09/27/2023	10/27/2023	455.30	Open	09/23	10-60-6010
767556137	Invoice	Soap	09/27/2023	10/27/2023	149.44	Open	09/23	10-60-6010
767556137	Invoice	Soap	09/27/2023	10/27/2023	90.60	Open	09/23	10-60-6010
767556137	Invoice	Tissues	09/27/2023	10/27/2023	57.66	Open	09/23	10-60-6010
767556137	Invoice	Toilet Paper	09/27/2023	10/27/2023	486.18	Open	09/23	10-60-6010
767556137	Invoice	Trashbags	09/27/2023	10/27/2023	1,159.20	Open	09/23	10-60-6010
767556137	Invoice	urinal screens	09/27/2023	10/27/2023	86.37	Open	09/23	10-60-6010
Total 767556137:					3,375.07			
Total The Home Depot Pro (1895):					3,375.07			
Timberline Disposal (1467)								
5356314V324								
5356314V324	Invoice	200 W. Colorado Blvd Trash	10/01/2023	10/15/2023	347.68	Open	10/23	10-60-5202
5356314V324	Invoice	fuel material and fee	10/01/2023	10/15/2023	55.70	Open	10/23	10-60-5202
Total 5356314V324:					403.38			
Total Timberline Disposal (1467):					403.38			
USA Blue Book (376)								
00139818								
00139818	Invoice	Dechlorination Tabs	09/20/2023	10/20/2023	449.86	Open	09/23	51-15-6005
Total 00139818:					449.86			
00140456								
00140456	Invoice	Peristaltic pump tube	09/21/2023	10/21/2023	247.95	Open	09/23	52-00-5208
00140456	Invoice	PH Buffer	09/21/2023	10/21/2023	87.42	Open	09/23	52-00-5208
Total 00140456:					335.37			
Total USA Blue Book (376):					785.23			
Utility Notification Center of Colorado (1984)								

Invoice	Type	Description	Invoice Date	Due Date	Total Cost	Terms	Period	GL Account
223090784								
223090784	Invoice	Locates - Water	09/30/2023	10/30/2023	60.63	Open	09/23	51-00-5108
223090784	Invoice	Locates - WW	09/30/2023	10/30/2023	60.63	Open	09/23	52-00-5108
Total 223090784:					121.26			
Total Utility Notification Center of Colorado (1984):					121.26			
WEX BANK (1459)								
91937955								
91937955	Invoice	Fleet fuel - Police	09/23/2023	10/13/2023	192.27	Open	09/23	10-30-6191
Total 91937955:					192.27			
Total WEX BANK (1459):					192.27			
Xcel Energy (540)								
845422886								
845422886	Invoice	525 Pine Slope	09/19/2023	10/10/2023	12.79	Open	09/23	51-00-6001
Total 845422886:					12.79			
845433209								
845433209	Invoice	PD	09/19/2023	10/10/2023	327.36	Open	09/23	10-30-6001
Total 845433209:					327.36			
845447419								
845447419	Invoice	3403 Hwy 103	09/19/2023	10/10/2023	4,169.90	Open	09/23	51-00-6001
Total 845447419:					4,169.90			
845637387								
845637387	Invoice	1101 soda creek	09/20/2023	10/11/2023	112.23	Open	09/23	51-00-6001
Total 845637387:					112.23			
846004289								
846004289	Invoice	New WWTP	09/22/2023	10/13/2023	5,060.29	Open	09/23	52-00-6001
Total 846004289:					5,060.29			
846374758								
846374758	Invoice	pw	09/26/2023	10/17/2023	295.22	Open	09/23	10-10-6001
Total 846374758:					295.22			
846378279								
846378279	Invoice	Parks	09/26/2023	10/17/2023	527.66	Open	09/23	10-60-6001
Total 846378279:					527.66			
Total Xcel Energy (540):					10,505.45			
Grand Totals:					344,437.01			

GL Period	Amount
09/23	46,702.18
08/23	163,755.86
11/23	9,858.00
10/23	124,120.97
Grand Totals:	344,437.01

Vendor number hash:	0
Vendor number hash - split:	0
Total number of invoices:	0
Total number of transactions:	0

Office of the City Administrator

To: Mayor and City Council
From: Andrew Marsh
Date: October 9, 2023
Subject: City Administrator Update

Requests for Action:

- None

Updates:

- Attended on September 22 the special Municipal Court session regarding the Clear Creek School District's (CCSD) Transportation and Maintenance Facility Project.
- Staff attended on September 22 a meeting with the CCSD and its contractors regarding the cease and desist order involving installation of the water main connection.
- Staff attended on September 25 a meeting with representatives of CDPHE, DOLA and the CWRPDA regarding the City's pre-application to the State Revolving Fund for water and sewer infrastructure funding.
- Staff met on September 25 with representatives of Raftelis Financial Services regarding a review of the City's water billing processes and possible related updates to the Municipal Code.
- The Mayor, Planning Commission Chair Cindy Olson, Jon and I conducted on September 26 a second interview of a candidate for Community Development Planner.
- Paul and I met on September 26 with representatives of HDR and Staunton regarding the revised cost estimates for the Virginia Canyon Road and Virginia Street water and sewer projects.
- Attended on September 27 the bi-annual I-70 Collaborative Effort meeting in Frisco.
- The Mayor, Nate and I attended on September 28 a programming workshop for the new police station.
- The Mayor, Paul, Jon and I attended on September 28 a progress meeting regarding the CRC Play Park and Visitor Center Ramp projects.
- Attended the annual International City/County Managers Conference in Austin, Texas September 29 through October 4.

Upcoming Events

- An Open House will be held on Monday, October 16 from 5:00 to 7:00 p.m. at City Hall regarding proposed improvements at the Courtney-Ryley-Cooper Parks Play Park.

TO: Mayor and City Council
CC: City Administrator Andrew Marsh
FROM: Jonathan Cain | Assistant City Administrator | Interim
Community Development Planer
DATE: October 9, 2023
SUBJECT: Staff Update
ATTACHMENTS: None



REQUEST(S) FOR ACTION

None.

UPDATES

1. **Community Development.**
 - a. The Planning Commission Meeting that was scheduled to hear two FDP applications and two parking fee in lieu applications on October 11 has been postponed until November 1.
 - b. **IHOP/CLEAR PATH HOME:** City and County Staff are working with Consultants to complete Municipal Code Review relevant to CO HB 21-1271. Initial reports for that work will be presented to staff in the near future.
 - c. **Downtown Master Planning:** No Updates.
 - d. Staff is working with several potential applicants for projects around the City, such as annexations, administrative plat amendments and variances.
2. **Utility Billing.**
 - a. The October read has occurred. Staff is currently working through data to prepare and review utility bills before they are sent in November.
 - b. Staff continues to work to ensure that water metering equipment and software is interfacing properly and working correctly.
3. I attended the International City and County Manager Association (ICMA) with Andy from September 29-October 4 in Austin Texas. I attended several sessions focused on strategic leadership and budgeting, management, and deliberative community engagement.
4. I attended the TT for the Floyd Hill Project on 10/6. I was named to the construction observation team for the project.
5. I attended training for Gateway Regional Opioid Council related to RFP's for funding on 10/2
6. Patti will be attending a Caselle Training Conference in Provo, Utah in the beginning of October.
7. I have been working with Administrative Staff, Andy, and the Department Heads to continue to develop the 2024 budget.



Office of the Deputy City Clerk

To: Mayor and City Council

From: Wonder Martell, Deputy City Clerk

Date: October 09, 2023

Subject: Staff Report Regular Meeting

- ✓ 215 business license renewal letters were mailed out 10/01/2023.
- ✓ Short Term Rental License renewals were sent to the 15 license holders on 10/01/2023.
- ✓ September Building permit report
- ✓ CCMRD is holding the annual Pumpkin Smash at the ballfields on November 4th from 10 am till 6 pm. This is a family event that will include food and drink vendors with an expected attendance of 250 people.



Idaho Springs Police Department
3000 Colorado Blvd. ★ Post Office Box 907
Idaho Springs, CO 80452
303-567-4291/303-567-1014 Fax
<https://cityofidahosprings.colorado.gov/ISPD>

To: Chuck Harmon, Mayor
City Council
From: Nate Buseck, Chief of Police
Date: October 05, 2023
Subject: City Council Report for October 09, 2023

Requests for Action: none

Calls for Service: September 22, 2023 - October 05, 2023 = **182**

Chief Buseck Attended:

9/22/23 Municipal Court Hearing – School District Bus Barn Construction
9/25/23 Architect meeting
9/26/23 Clear Creek Wildland Fire Partnership
Dept. Heads Meeting
9/27/23 Power Engage Software Meeting
Community Open House at New PD Building
9/28/23 Architect Meeting with Mayor and Andy
CCHAT Team meeting, Clear Creek Health Assessment Team
CCSO SWAT Commander meeting
C.C. County Public Meeting at Wellness Center (CCHAT and budget presentation)

Training:

09/18/23 – 09/22/23: Two Sergeants attended Crisis Intervention Training [40 hours] (Centennial, CO)

Upcoming Training:

10/10/23 - 10/11/23: Two Sergeants will attend Performance and Accountability Training (Edgewater, CO)
10/13/23- 10/16/23: Chief will attend IACP Conference (San Diego, CA)
10/16/23-10/20/23: One Officer will attend CIT (Georgetown, CO)

Code Enforcement:

Addressing abandoned vehicles, parking complaints

Staffing:

- ISPD has one applicant in the final stage of background.
- ISPD hired Paige Kincaid for the Records Coordinator position, she will begin Monday, October 16th.

Significant Incidents:

September 22, 2023, an ISPD officer was patrolling I-70 near mile marker 241 when he observed a vehicle driving and weaving in and out of the lanes of traffic. The officer initiated a traffic stop with vehicle near mile marker 238 on Westbound I70. The driver had a strong odor of alcohol emanating from her person, as well as being visually inebriated. The officer noticed an open container of what appeared to be THC edible candy in the center console of the vehicle. Voluntary field sobriety maneuvers were conducted, and the female driver was arrested for DUI alcohol or drugs or both, and careless driving.

September 28, 2023, ISPD responded to a call of a man with a gun in the area on 1000 block of Miner Street. Officers along with Clear Creek county deputies responded and spoke with a female party. She told officers that she came home from work and that her boyfriend was intoxicated and visibly upset with her. The male party grabbed his gun and started making threats to harm himself, as well as harm the victim. The male party was arrested for Reckless Endangerment, Domestic Violence, Menacing, and Prohibited Use of a Weapon.

September 29, 2023, ISPD was traveling on I70 Westbound near mile marker 242 when he observed a motorcycle traveling at excessive speeds, as well as passing multiple vehicles in the closed express lane. A traffic stop was made with the vehicle, the driver struggled to maintain balance as he was getting off his bike and had an odor of alcoholic beverage coming from his person. Field sobriety maneuvers were completed, and the driver was cited for DUI, disobeying traffic control devices, no proof of insurance, as well as unable to maintain a single lane of travel.

October 02, 2023, ISPD was conducting a traffic stop with a vehicle who ran a stop sign in an active school zone near 13th and Miner Street. During the interaction with the officer, the male party appeared to be very nervous and told the officer he had a warrant for his arrest. The male party continued to be uncooperative with the officer during the stop and fled at a high rate of speed. The officer along with Clear Creek County deputies caught up to the vehicle in Dumont. The male suspect was arrested for vehicular eluding, driving while revoked (habitual), obstructing a police officer, criminal impersonation, and failing to stop at a stop sign. The male party had two felony extraditable warrants for second degree assault with serious bodily injury and failure to appear on larceny charges.

October 03, 2023, ISPD responded to 2900 block of East Idaho Springs Road on report of a theft. The theft was unfounded due to lack of evidence. The female reporting party had an active warrant out of Colorado Department of Corrections for failure to comply. The female party was arrested on her warrant. During the search for the suspect, the officer found large amounts of narcotics. The female was charged with unlawful possession of a controlled substance, and possession of drug paraphernalia.



CITY OF IDAHO SPRINGS
1711 Miner Street
P.O. Box 907
Idaho Springs, CO 80452-0907
Telephone (303) 567-2400
FAX (303) 567-0124

TO: MAYOR and COUNCIL
FROM: Paul Crain
DATE: October 9th, 2023
Re. STAFF REPORT PUBLIC WORKS

One action Item:

Request:

Public Works requests \$45,000 to fill the estimate proposed by D&B Construction, for a 3 week program to replace 190 water meters. Line Item 51-15-7006

Reasoning:

This will be a Blitzkrieg to address the number of broken and malfunctioning water meter in the Idaho Springs Water system, in the shortest time possible. The replacement program will take place the weeks of October 23rd , 30th and if necessary the week of November 6th. City staff and the Public works team has secured the materials necessary and are scheduling the meter repair appointments Mon- Fri and Saturdays in an effort to work with any homeowner schedule.

Idaho Springs Public Works has been very busy with the many facets that make up the maintenance objectives of the City Crew.

Our D/C Team continue meter repairs, and no unusual events on the collections side of their work.

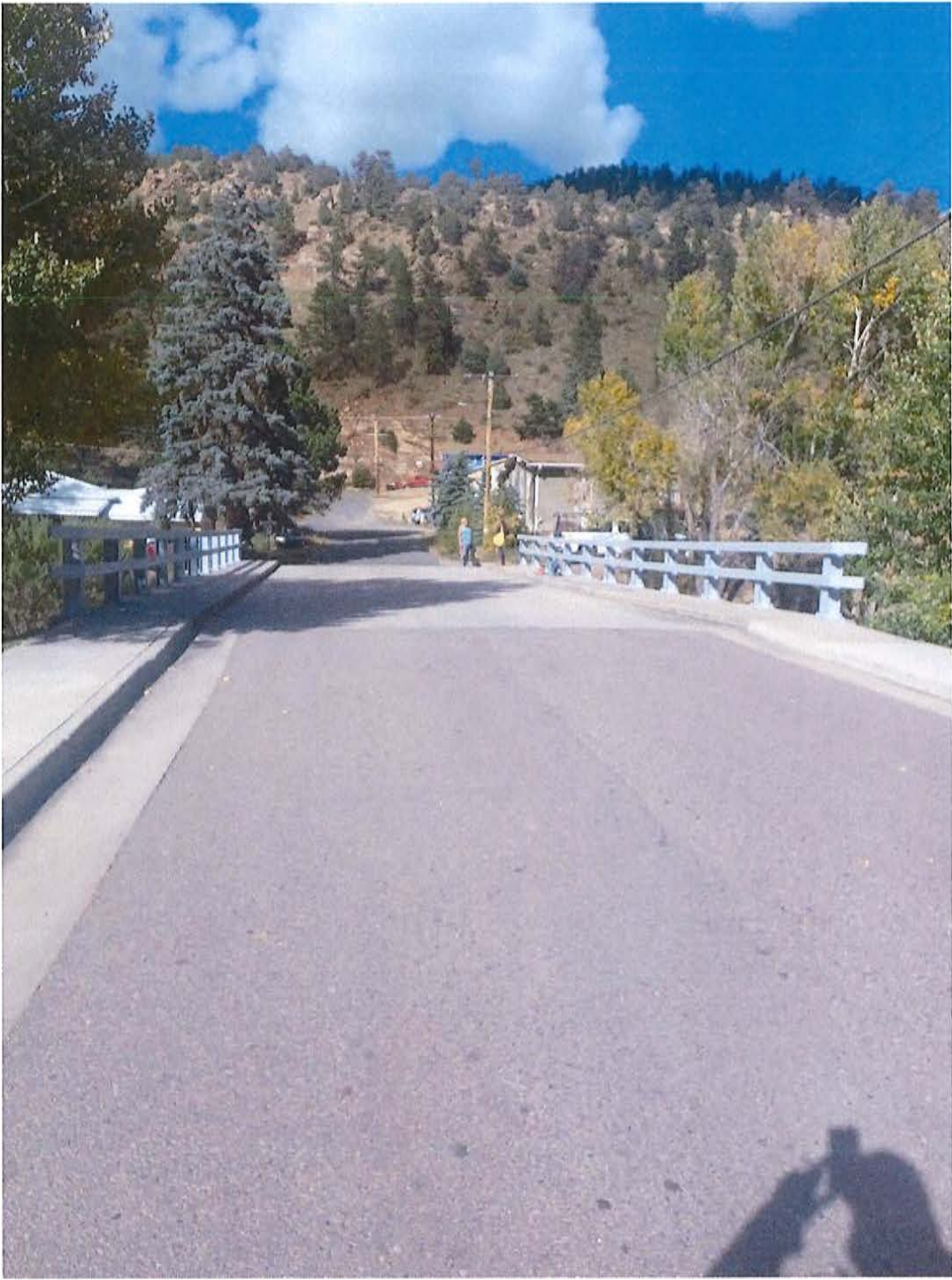
The Public Works team put up the Pumpkin on the water wheel Thursday 10/5. Thank you Jan Bowland, the keeper of the pumpkin, for making some additional alterations to the pumpkin

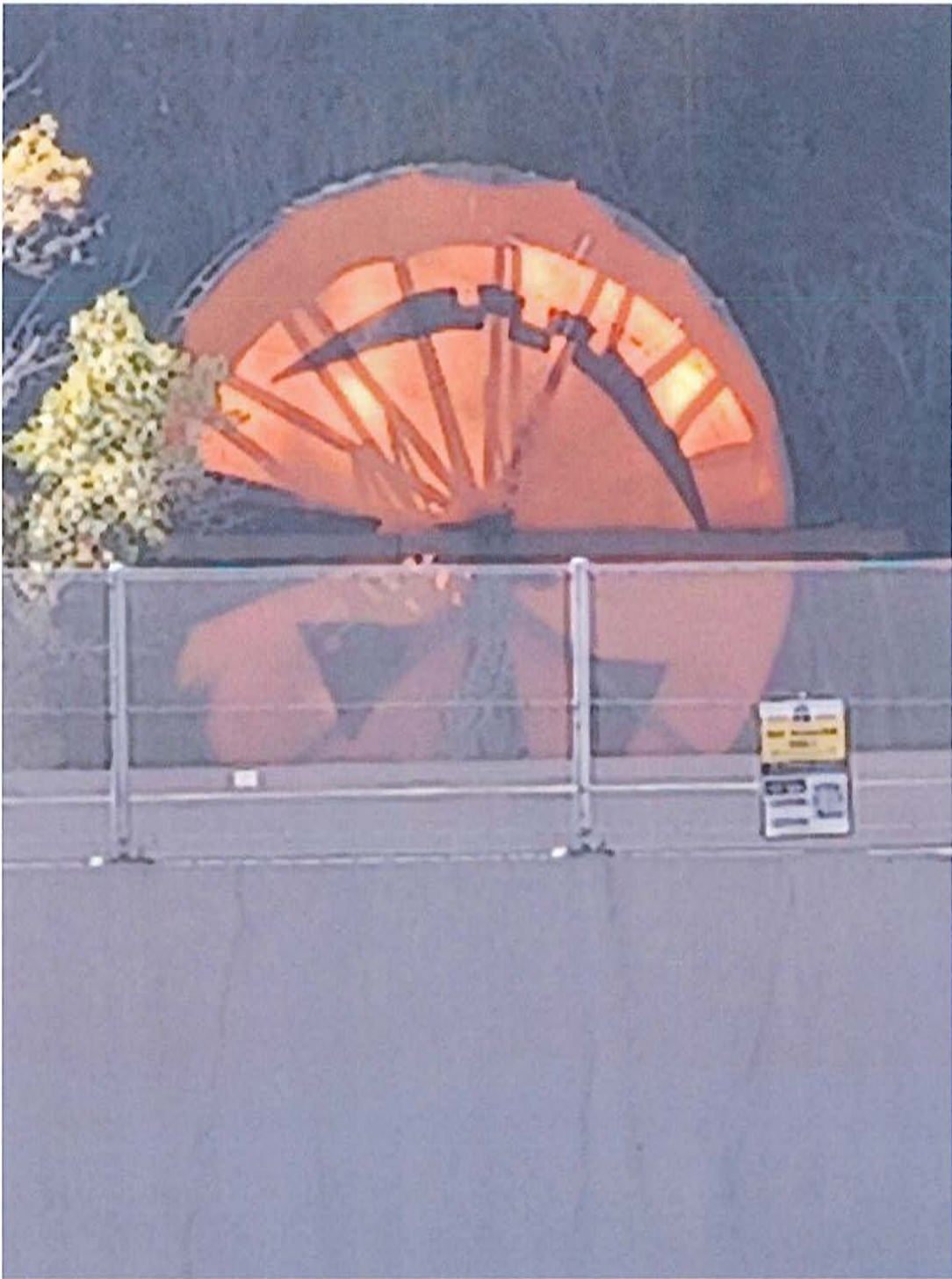
Our streets team is currently working on preparing City trucks for Snow removal operations and sign replacement and repair around the City. Our friendly neighborhood painter, Paul Peavey, painted the 23rd Avenue bridge, this was some long overdue maintenance that was needed.

The Public Works facility construction is continuing, the foundation work will be completed in mid October, and we will keep you updated as the building going vertical starts

**Paul Crain
Public Works Superintendent**







INVOICE

D&B Construction Group, LLC
4925 W 10th Ave Unit 107
Denver, CO 80204

trevor@dbconstructiongroup.co
+1 (801) 541-9421



City of Idaho Springs

Bill to

City of Idaho Springs

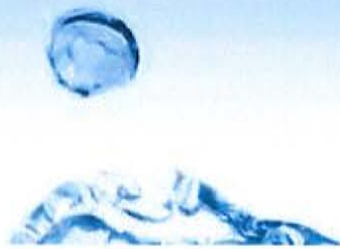
Invoice details

Invoice no.: 1215
Terms: Net 30
Invoice date: 09/26/2023
Due date: 10/26/2023

Product or service		Amount
1. 5/8" Meter Swap	181 units × \$235.00	\$42,535.00
2. 3/4" Meter Swap	0 units × \$250.00	\$0.00
3. 1" Meter Swap	0 units × \$275.00	\$0.00
4. Register Only Changeout	0 units × \$100.00	\$0.00
5. Running Wire Price Per Foot	0 units × \$10.00	\$0.00
6. Freeze Water Line	0 units × \$300.00	\$0.00
7. Replace Meter Box (Residential)	0 units × \$65.00	\$0.00
8. Replace Meter Setter	0 units × \$75.00	\$0.00
Total		\$42,535.00

Ways to pay





City of Idaho Springs Water Quality
1711 Miner Street
P.O. Box 907
Idaho Springs, CO 80452-0907
Telephone (303) 567-2400
FAX (303) 567-0124

TO: MAYOR and COUNCIL

FROM: Edward Sigward

DATE: 10/9/2023

Re. STAFF REPORT WATER WASTEWATER

- Public notice redistributed on 10/1/2023. New date to resolve 12/1/2023.

WASTEWATER

	BOD	TSS	NH4	PO4	TIN
Goal	10	10	3	1	10
Current	<1	<2	0.07	0.32	2.9

- Pump failure filter backwash

WATER

- Mattie dam Screen maintenance.
- Rock fall mitigation contractor meeting. Quotes coming soon.
- CWCB grant application for Mattie dam completed.