



Our vision of Coeur d'Alene is of a beautiful safe city
that promotes a high quality of life and sound economy
through excellence in government

GENERAL SERVICES/PUBLIC WORKS COMMITTEE

with

Council Members McEvers, Miller, Gookin

October 26, 2020, 12:00 p.m.

AGENDA

*****ITEMS LISTED BELOW ARE CONSIDERED TO BE ACTION ITEMS**

- Item 1 Authorization to use Impact Fees to Improve the Police Department Records and Investigations Facilities – Lee White, Police Chief
- Item 2 V-20-03: Vacation of a Portion of Atlas Road Right-of-Way adjoining the Westerly Boundary of Tax #25317 in the City of Coeur d'Alene – Dennis Grant, Engineering Project Manager.
- Item 3 **PRESENTATION** – Water Department – Terry Pickel, Water Superintendent

Library Community Room
702 Front Avenue

The City of Coeur d'Alene will make reasonable accommodations for anyone attending this meeting who requires special assistance for hearing, physical or other impairments. Please contact Juanita Knight, Senior Legal Assistant, at (208) 769-2348 at least 24 hours in advance of the meeting date and time

CITY COUNCIL
STAFF REPORT

DATE: October 19, 2020

FROM: Lee White, Chief of Police

SUBJECT: Use of Impact Fees to Improve the Police Headquarters Building

Decision Point: The Police Department requests authorization to use Impact Fees to improve the Police Department Records and Investigations facilities.

History: This request covers two elements to increase our capacity to serve our community. The police department has experienced an increase in walk in contacts since the building was opened and the original front desk area was not designed for ergonomics and efficient communication with our customers. The first part of the request is to install modular office furniture and electronic phone lines which will help facilitate visibility and communication with our customers. The furniture will allow for a better use of space and add an additional full workstation to the area along with two smaller desks to be utilized by volunteers. Currently, customers at the front counter have to raise their voices to speak through a small opening in the security glass. Some of this conversation can be quite graphic and uncomfortable depending on the crime being reported. The phone lines will allow customers to discuss sensitive personal issues without having to use a loud voice through the security glass helping to maintain their privacy and dignity.

The second upgrade is to renovate an existing waiting room for the investigations section into a “soft” interview room to better serve victims of crimes and child victims. This would be primarily utilized by our Victim Advocate and the Domestic Violence/ Sex Crimes Detectives and be more conducive to interviewing victims of crimes. Included in this would be upgraded IT infrastructure for the interview rooms. We have been working with building maintenance to conduct work in-house and reduce the overall cost of the project.

Financial Analysis: The total cost of the renovation and modular furniture is not expected to exceed \$49,700. Adequate funding exists within the Impact Fee account for this expense, as this account has a current balance of approximately \$406,000.

Decision Point: The Police Department requests authorization to use Impact Fees to improve the existing facilities to more efficiently serve the increased utilization of our lobby and the investigations section.

PUBLIC WORKS COMMITTEE

STAFF REPORT

DATE: October 26, 2020
FROM: Dennis J. Grant, Engineering Project Manager
SUBJECT: **V-20-03, Vacation of a portion of Atlas Road right-of-way adjoining the westerly boundary of Tax # 25317 in the City of Coeur d'Alene.**

DECISION POINT

The applicant, Rex Anderson, Fusion Architecture, PLLC, is requesting the vacation of right-of-way along the east side of Atlas Road, North of Seltice Way and South of I-90.

HISTORY

It is unknown when the requested right-of-way was originally dedicated to the City of Coeur d'Alene.

FINANCIAL ANALYSIS

The vacation of the requested right-of-way would not have any financial impact on the City and would add approximately 4,574 sf to the County tax roll. It would be a benefit to the municipality as tax revenue and eventual development of a portion of this site could lead to a more significant taxing entity.

PERFORMANCE ANALYSIS

The purpose of this request is to vacate the unused portion of right-of-way along the east side of Atlas Road, north of Seltice Way to make it more useful for traffic circulation for a planned new gas station. All Utilities are existing and in place, and there is no foreseeable use for this additional right-of-way. Therefore, the vacation of this portion of right-of-way adjoining this parcel would not impact the City and would be a benefit to the property owner. The Development Review Team was informed about this vacation.

RECOMMENDATION

Staff recommends to the Council to proceed with the vacation process as outlined in Idaho Code Section 50-1306 and recommends the setting of a public hearing for the item on November 17, 2020.

EXHIBIT OF RIGHT-OF-WAY VACATION

FRONTING PARCEL C-0000-003-6400
IN THE SW ¼ SEC. 3, T.50N., R.4W., B.M.,
IN THE CITY OF COEUR D'ALENE, KOOTENAI COUNTY,
IDAHO

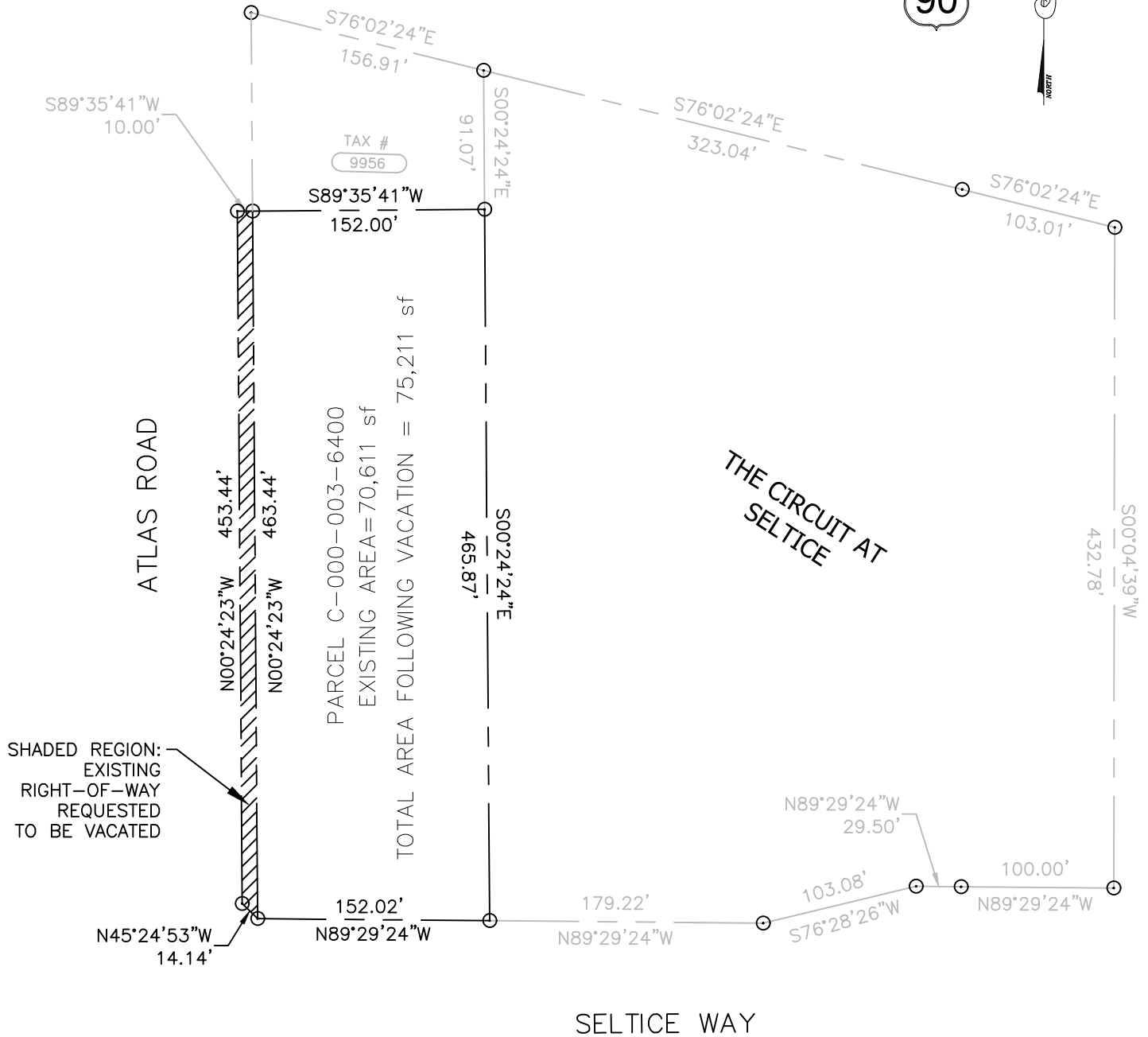


EXHIBIT OF RIGHT-OF-WAY VACATION
ATLAS ROAD
PARCEL C-0000-003-6400

SCALE:
1"=100'

DATE:
08/20/2020

FILE:
A254 SITE.dwg

FRAME & SMETANA, PA
Consulting Engineers

603 North 4th Street, Coeur d'Alene, Idaho, 83814
Ph.(208)664-2121/Fax:(208)765-5502/Email:smetana@roadrunner.com

FS

SHEET
1 OF 1

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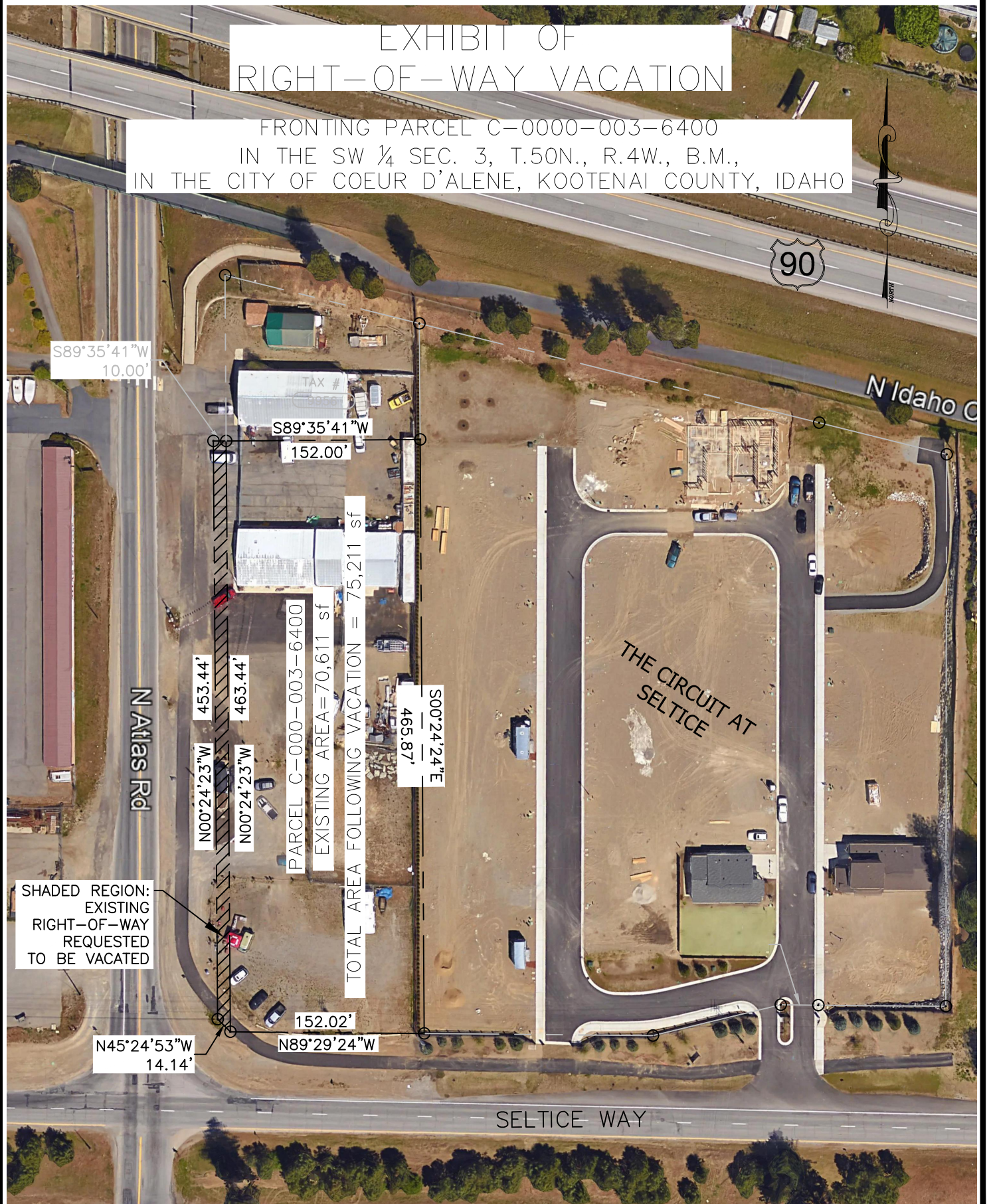


EXHIBIT OF RIGHT-OF-WAY VACATION
ATLAS ROAD
PARCEL C-0000-003-6400

SCALE:
1"=100'

DATE:
07/07/2020

FILE:
A254 SITE.dwg

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FS

SHEET
1 OF 1



CDA WATER DEPARTMENT

Greetings from your City Water Department.

What do we really do?



**23 Full Time Employees
Up to 6 Part Time**



WATER DEPARTMENT MISSION

The Water Department's goal is to provide tasty and healthful water at a reasonable price at consistent pressures and in sufficient quantities.

Objectives:

- Excellent customer service
- Protection of the public health
- Clean and safe drinking water
- Public water system reliability



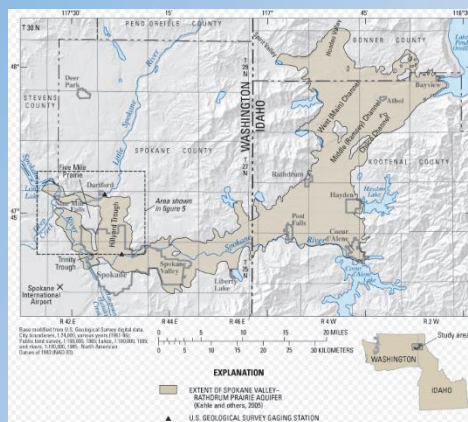
WHERE DOES OUR WATER COME FROM? THE SPOKANE VALLEY / RATHDRUM PRAIRIE AQUIFER (SVRP)

Originally drew water from the lake.

Oldest water right on lake – 1903.

First hand dug well in 1955, (Locust Well).

Switched completely to aquifer by 1977.



HOW DO WE GET IT OUT OF THE GROUND?



We drill wells into the aquifer.

New well is tested for capacity, quality and quantity.

Once approved, a new pumping station is designed and constructed.



HOW DO WE GET IT TO THE SYSTEM?



Wells pull water from the source and push it into the distribution system

Booster Stations lift water from lower elevations to higher elevations.



WE USE DIFFERENT STYLES OF PUMPS

The wells utilize vertical lineshaft turbine pumps with high horsepower motors, 250 to 600 horsepower.

The booster stations typically use centrifugal style pumps to move the water from one zone to the next, typically using 20 to 50 horsepower motors.



WHAT TREATMENT IS NEEDED?

No treatment is needed but we chlorinate for safety.



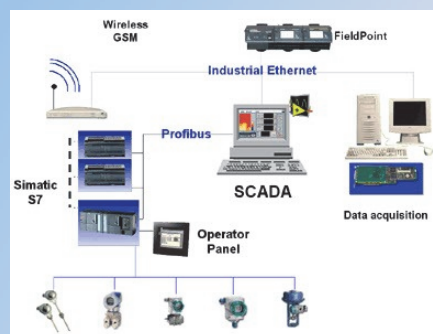
Hypochlorite generators.



HOW DO WE OPERATE THE PUMPS?



We use a SCADA communication system to operate all of the wells and booster stations remotely. Each site has a panel similar to the picture to the left.



HOW DO WE OPERATE THE PUMPS?

We use radio modem communications to talk to each site remotely.



Sometimes getting line of site can be a challenge.



WATER STORAGE FACILITIES

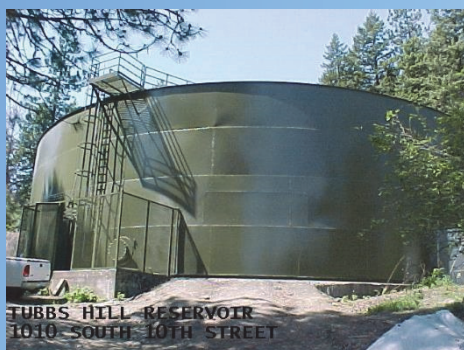


We store excess water in our 7 water storage facilities to reduce pump cycling and provide for continual fire flow.



WATER STORAGE FACILITIES

We try to keep them as invisible as possible. Doesn't always work!



WHERE DOES THE WATER GO?



We have over 305 miles of water mains ranging from 2" to 24" in size.

- C900 PVC plastic pipe - 6" to 24"
- Ductile Iron (DIP) pipe – 12" to 24"
- Steel and galvanized iron pipe 2" to 8"
- Asbestos Concrete (AC) pipe – 4" to 24"



NEW WATER MAIN CONSTRUCTION

Contractors install new water mains for residential and commercial development



Hot taps are common for new connections.



ROUTINE WATER QUALITY SAMPLING

Water sampling stations are installed around the city.



Here are a couple of types you will see.



HOW DOES IT GET TO THE HOME?

Service lines extend from the main to the home or business, ranging in size from $\frac{3}{4}$ " to 10".



1" to 2" lines can be installed with trenchless technology. Larger lines require a trench.



NEW SERVICES

We use Badger meters to track customer usage. The newest meters can even track leaks.



HOW DO WE KEEP TRACK OF USAGE?

We use Badger meters to track customer usage. The newest meters can even track leaks.



METER MAINTENANCE

Routine meter maintenance is necessary to ensure the accuracy of the revenue generation.



Confined spaces are a challenge.



METER MAINTENANCE

We replace about 2000 meters annually. The radio read batteries have a 10 year life span.

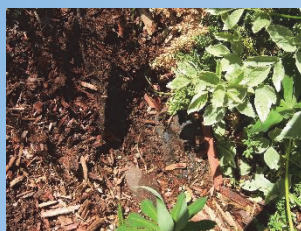


Changing them is not always an easy task.



METER MAINTENANCE

Meter & boxes are ugly, so our customers often do their best to hide them. Can you spot these?



GIS technology helps us to find them.



METER MAINTENANCE

Occasionally a customer wants to take a peek. Sometimes our guys have to really get into it.



FIRE HYDRANT MAINTENANCE

We perform annual fire hydrant maintenance which includes cleaning, testing and painting about 400 of our nearly 3,000 fire hydrants each year.



FIRE HYDRANT REPAIRS/REPLACEMENT

We repair fire hydrants damaged by vehicles or contractors.



And replace them when they can no longer be repaired.



VALVE EXERCISING

Weather permitting in the fall and winter, we perform annual valve exercising.

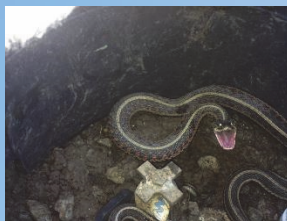


We have nearly 12,000 valves.



CROSS CONNECTION CONTROL

The Cross Connection Control Program now tracks annual testing of over 12,000 assemblies



NEW INFRASTRUCTURE INSPECTION

Inspections of all new construction is painstakingly recorded for accurate records.



GIS now allows data entry directly to the online maps.



INFRASTRUCTURE MAINTENANCE

Mother nature often throws us some curve balls such as lightning or torrential rains.



INFRASTRUCTURE MAINTENANCE

Eventually, all infrastructure begins to fail as it ages. This is a huge problem plaguing utilities nationwide. So we deal with leaks.



Blackwell Island



INFRASTRUCTURE MAINTENANCE

Leaks can cause major damage or be in difficult locations.



All pipes eventually leak!
Idaho Water placed pipes
in roadside easements



WATER INFRASTRUCTURE REPLACEMENT

The Maintenance Crew performs annual water infrastructure replacement



Minimum size is now 8".



WATER INFRASTRUCTURE REPLACEMENT

You never know what you will come across.
What were they thinking!!!



Meter/DC round vault.



OTHER MAINTENANCE

We rehab the pumps and motors on a predetermined schedule.



Specialized knowledge and heavy equipment is required.



MAINTENANCE OF STORAGE

The storage facilities are cleaned on a regular basis.



The standpipes are cleaned with ORV's.



FLEET MODIFICATIONS

We make our own fleet vehicle modifications to suit our needs. Switch-n-Go unit.



WW Jet-Vac truck converted to a Hydro-excavator.



AND WE TRAIN ANNUALLY

Our operator licenses require annual proof of training at a minimum .6 CEU's per year.



Service Truck Rodeo and Fire Hydrant Class



OCCASIONALLY WE GET TO SHOW OFF

Every so often we get the opportunity to showcase our operator's talents in various competitions



CAT Rodeo 2011



A FEW RECENT ACCOMPLISHMENTS

Best Hill Booster Station (2017)
Crew installed piping system.



Piping work in January



A FEW RECENT ACCOMPLISHMENTS



**Huetter Well:
Drilled to 363',
Test pumped
at 4200 gpm,
Good water
quality,
Ready for
construction.**



A FEW RECENT ACCOMPLISHMENTS

**Fernan Hill 12" Transmission
Main.**



18" Sleeve under drain line



A FEW RECENT ACCOMPLISHMENTS

**Water Department Administration
and Maintenance facility.**



ZERO DEBT SERVICE

With the asset values listed below, the Water Department has not incurred any debt in the previous 20 years and none is forecast in the coming 5 years under current rates.

CITY OF COEUR D'ALENE DEPRECIATION SCHEDULE FOR THE FISCAL YEAR ENDED SEPTEMBER 30, 2019							
FUNCTION AND ACTIVITY		ASSET COST	ACCUMULATED DEPRECIATION	DISPOSALS	DEPRECIATION	ACCUMULATED DEPRECIATION	DEPRECIATED
		AT 9/30/19	AT 9/30/18	(10/1/18 - 9/30/19)	(10/1/18 - 9/30/19)	AT 9/30/19	COST
Water Fund:							
Reservoir	026-121	6,292,489	4,435,377		274,219	4,709,597	1,582,892
Wells & Boosters Stations	026-122	10,379,951	4,667,128		190,867	4,857,995	5,521,956
Distribution System	026-123	92,071,691	38,469,931		1,913,111	40,383,042	51,688,650
Real Estate	026-124	437,758					437,758
Equipment	026-021	6,867,205	3,080,376	77,462	289,574	3,292,489	3,574,716
Construction in Progress	026-121	2,231,232	-			-	2,231,232
Total Water		118,280,326	50,652,812	77,462	2,667,771	53,243,122	65,037,205



UPCOMING PROJECTS

- Huetter Well Construction
- Trails Transmission Main Phase 1
- Atlas/Centennial Trail Transmission Main Phase 2
- Blackwell Transmission Main
- Canfield and Fernan Tank Site Locations
- Elm Street Switchover



THANK YOU FOR JOINING US

- **Ralph Capaul** –
Former Water Master for
Idaho Water and City
Water Superintendent
- **Jim Markley** - Former
Water Superintendent
- **Terry Pickel** – Current
Water Dept. Director

