PERMANENT COMMUNITY IMPACT FUND BOARD
Supplemental Form for Drinking Water and Wastewater projects

The PCIFB and the Utah Department of Environmental Quality (DEQ) have entered into an agreement by which DEQ staff act as technical advisors to the PCIFB on drinking water and wastewater projects. All applicants for proposed drinking water and wastewater projects must provide sufficient technical information to DEQ to permit detailed technical review of the project. The PCIFB will not act on any drinking water or wastewater project applications unless DEQ completes said review and supports the project. If you are applying for a water or sewer project, you must complete this supplemental form.

Applicants for drinking water projects need only submit information on their water system.
Applicants for wastewater projects need only submit information on their sewer system.
All applicants must complete the "Water Management & Conservation Plan" (pages 5-12)

APPLICANT NAME: Maxwell Canyon Public Utility and Street Improvements

Public Drinking Water System - #27006

a. **Current Number of connections**	DRINKING WATER	SEWER
Residential connections	1,033	1,003
Commercial Effective Residential connections	156	152
Other	125	115
TOTAL	1,314	1,270

b. **Estimated Number of Connections in 20 years**		
Residential connections	6,974	1,119
Commercial Effective Residential connections	1,059	182
Other	796	137
TOTAL	8,829	1,518

c. Rate Schedule Used in Customer Billings

(Use space below to describe, in detail, your water and sewer rate structures. Include information on base rates and overage charges. If necessary, distinguish between residential and commercial rates).

Attach rate charts

TABLE 1

WATER IMPACT FEES

PER SIZE OF METER

Meter Size		Colorado City Impact Fee		Hildale City Impact Fee
5/8" & 3/4"		$ 11,807.00		$ 12,580.00
1"		$ 20,990.22		$ 22,364.44
1 1/2"		$ 47,228.00		$ 50,320.00
2"		$ 83,960.89		$ 89,457.78
3"		$ 188,912.00		$ 201,280.00
4"		$ 335,843.56		$ 357,831.11
6"		$ 755,648.00		$ 805,120.00

New Rates – Alternative 3.3

Customer Class	Rate Structure	Base Rate	Usage Rates
¾" Meter	Tiered Block	$38.50	0 – 15,000 - $1.50/1,000 15,001-30,000 -$1.85/1,000 30,001-50,000 - $2.00/1,000 50,001+ - $2.75/1,000
1" Meter	Tiered Block	$64.00	0 – 20,000 - $1.50/1,000 10,001-45,000 - $2.00/1,000 45,001-100,000 - $2.75/1,000 100,001+ - $3.50/1,000
1.5" Meter	Tiered Block	$128.50	0 – 35,000 - $1.50/1,000 35,001-55,000 - $2.00/1,000 55,001-125,000 - $2.75/1,000 125,001+ - $3.50/1,000
2" Meter	Tiered Block	$205.50	0 – 55,000 - $2.50/1,000 55,001-90,000 - $2.80/1,000 90,001-200,000 -$3.50/1,000 200,001+ - $5.50/1,000
Hydrant Meter	Tiered Block	$150.00+$200.00 Deposit	Any amount - $10.00/1,000

d.	**Residential connection**		$/ ERC		$/ERC
e.	**Impact Fees – per connection**	$11,807.00	$/ ERC	$3,000	$/ERC
f.	**System Income**				
	Typical Income to system from customer billings	870,110	$/yr	1,036,712	$/yr
	Typical Income to system from taxes	46,655	$/yr	66,956	$/yr
	Typical Income to system from connection fees	45,320	$/yr	45,320	$/yr
	Typical Income to system from impact fees	0	$/yr	782,425	$/yr

g. System Expenses

If available, please attach sheets showing the budgets of your drinking water and sewer systems. Alternately, you may complete the following.

	DRINKING WATER	SEWER
Annual Principal and Interest Payments on Debt	12,748	148,326
Personnel	226.288	301,717
Power (electricity, gasoline, etc.)	147,990	66,718
Purchase of Water	0	0
Maintenance, Supplies	223,290	35,780
Treatment	25,570	211,353
Other ( )		
Other ( )		
Other ( ) TOTAL		

h. Information on Secondary Irrigation Systems

Please provide this information if you are applying for a drinking water project. This information is needed to compute the total cost of water for your customers.

Does your service area include a secondary water system, either ditch or piped?

Yes (No)

If so, what percentage of your customers are on the secondary system?

Piped System _____ %

Ditch System _____ %

For each customer, what is the typical yearly expense for secondary irrigation service?

Piped System _____ $/yr

Ditch System _____ $/yr

i. Transfers To or From Other Accounts

Do you transfer funds **from** other accounts to balance either your water or your sewer budgets?

(Yes) No

If so, please describe below:

Enterprise funds Water, Sewer, and Gas are transferred to Joint Utility Fund Expenses as a percentage.

Do you transfer funds **to** other accounts from either your water or sewer budgets?

(Yes) No

If so, please describe below:

For Capital Improvement Projects

j. Depreciation

Please describe how your water or sewer system budget treats depreciation.

k. Please answer the following (drinking water projects only)

Does your water system have a master plan to guide growth in the next 20 years?
Yes No
If not, will you commit to create one? Yes No

Does your water system have an established replacement fund?
Yes No
If not, will you commit to create one? Yes No

Does your water system have an established backflow prevention program?
Yes No
If not, will you commit to create one? Yes No

Does your water system have a tiered rate structure to encourage water conservation?
Yes No
If not, will you commit to create one? Yes No

Does your system have a certified operator?
Yes No
If not, will you commit to obtain one? Yes No

Does your system have an emergency response plan?
Yes No
If not, will you commit to create one? Yes No

l. Please answer the following (sewer projects only)

Does your sewer system have a master plan to guide growth in the next 20 years?
Yes No
If not, will you commit to create one? Yes No

Does your sewer system have an established replacement fund?
Yes No
If not, will you commit to create one? Yes No

Does your sewer system have an inverted rate structure to minimize flows?
Yes No
If not, will you commit to create one? Yes No

Does your sewer system have a certified operator?
Yes No

If not, will you commit to obtain one? Yes No

Does your sewer system have an emergency response plan?
Yes No
If not, will you commit to create one? Yes No

m. Water Management and Conservation Plan

Attached to this supplement is a Water Management and Conservation Plan form. This must be completed. The Certification of Adoption (pg. 13) need not be signed at this time. However, if your application is successful, this must be signed before funds will be released.

n. Agency Contacts

DEQ contacts for review of PCIFB applications are:

Drinking Water Applications	Wastewater Applications
Michael Grange Division of Drinking Water 195 North 1950 West Salt Lake City, Utah 84116 (801) 536-0069	Skyler Davies Division of Water Quality 195 North 1950 West Salt Lake City, Utah 84116 (801) 536-4359

WATER MANAGEMENT & CONSERVATION PLAN

(Please read the reference at the end of the document for more information on each section.)

Name of Water Utility/Company

Hildale/Colorado City Utility Department

A. Background Information

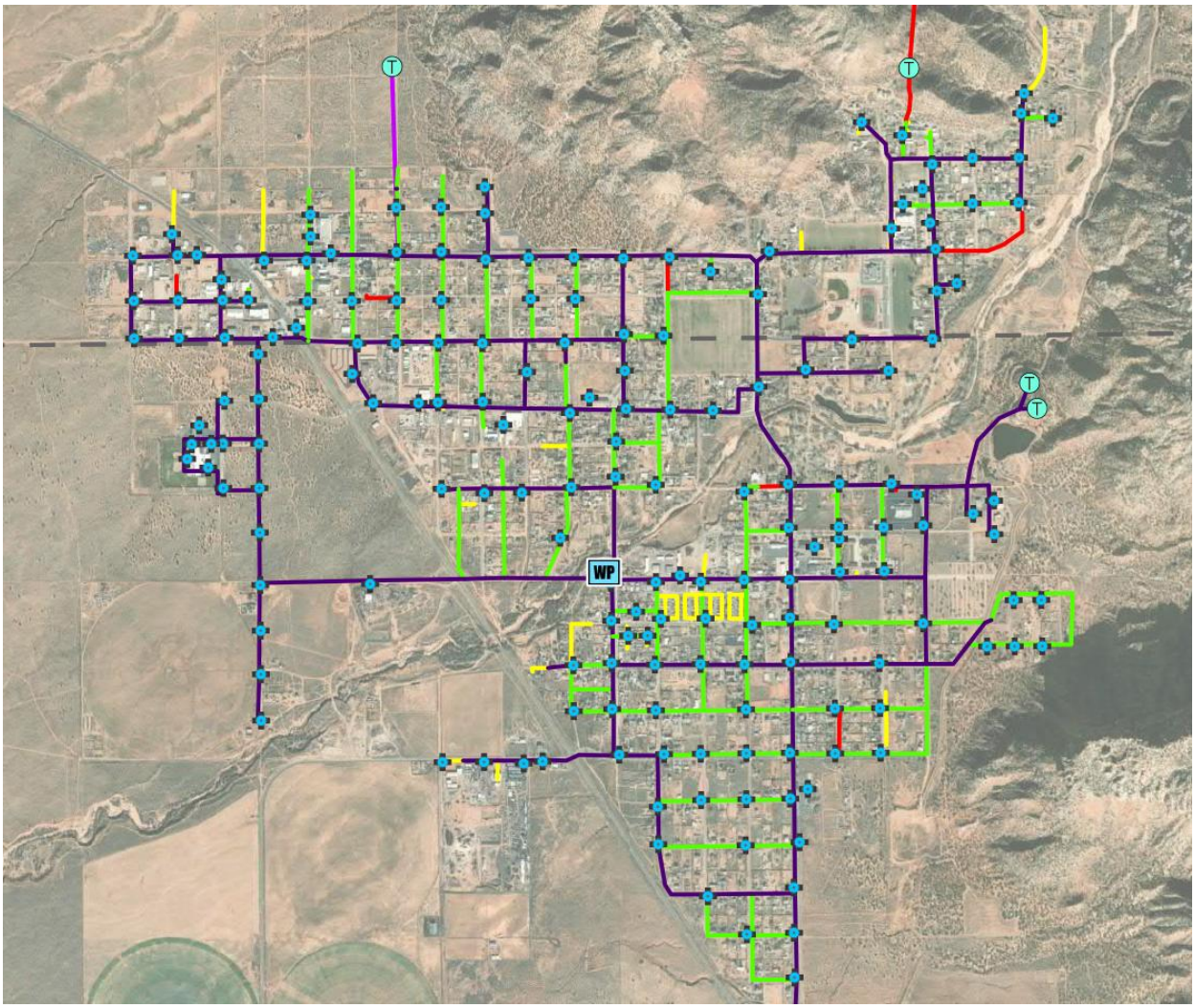
A description of the water utility or company and its service area. General policies and goals of the water utility should be defined and explained. A description might include a history of the utility or company and mention of water development and management accomplishments. A map of the service area could also be included.

Hildale/Colorado City acquired the water department from Twin City Water Authority in 1996. Twin City water took a loan from Farmers Home that later became Rural Development in 1979 and they constructed the 600,000 gallon water tank and the east side of the water treatment plant. Hildale City took over the debt in 1996 and purchase the distribution system and the treatment plant.
In 2003 Colorado city received a grant from CDBG and constructed the East side of the water treatment plant and the 800,000 gallon water tank.

B. Existing Resources

This section includes an inventory of current water sources and infrastructure controlled by the water utility or company. Include water right information, hydrologic data, and a description of the physical facilities.

Water System 2024



Water System 2024 Inventory

Water Storage Tanks - 4

Saddle Tank	60,000
800,000 Tank	800,000
600,000 Tank	600,000
Elm Street Tank	1,000,000

Total storage capacity in million gallons: 2,460,000
Utah Water Rights: 564 acre/feet
Average daily use (gallons): 1,032,000
Peak usage (gallons): 2,155,000

Well 4A	Wells
Well 4B	Wells
Well 4 Pump	Wells

Well 4B Pump Wells
Well 8 Wells
Well 8 Pump Wells
Well 10 Wells
Well 10 Pump Wells
Well 17 Wells
Well 11 Wells
Well 11 Pump Wells
Well 15 Wells
Well 15 Pump Wells
Well 19 Wells
Well 19 Pump Wells
Well 21 Wells
Well 21 Pump Wells
Well 22 Wells
Well 22 Pump Wells
Well 24 Wells
Well 24 Wells
Academy Well Wells
Academy Well Pump Wells
Power Plant Well Wells
Power Plant Well Pump Wells
Power Plant Well Building Wells

Jans Canyon Spring Collection - 2" Springs
Jans Canyon Spring Transmission Line - 2" Springs
Maxwell Canyon Spring Collection - 4" Springs
Maxwell Canyon Spring Box Springs
Maxwell Canyon Spring Transmission Line - 4" Springs

Saddle Tank - 60k gallons Storage
800k gallon tank Storage
600k gallon tank Storage
Elm Street Tank (Concrete) - 1MG Storage

Treatment Plant Building Treatment
Pressure Tanks (West Side) Treatment
Pressure Tanks (East Side) Treatment
Treatment Plant Pumps (40hp) Treatment

Total length of pipe (linear feet) – 131,831

2" Pipe Distribution System
4" Pipe Distribution System
6" Pipe Distribution System
8" Pipe Distribution System
12" Pipe Distribution System
2" Valve Distribution System
4" Valve Distribution System
6" Valve Distribution System
8" Valve Distribution System
12" Valve Distribution System
Hydrants Distribution System
Hydrants Distribution System

Shop Distribution System
Vehicles and Equipment Distribution System
Dump Truck (Replace with used) Distribution System
Mini Trackhoe Distribution System
Backhoe Distribution System
Skidder Distribution System
Utility Trucks Distribution System
Utility Trucks Distribution System
Utility Trucks Distribution System
Utility Trucks Distribution System
Utility Trucks Distribution System
Utility Trucks (Lease) Distribution System
Side by Side Distribution System
Utility Truck Distribution System
Utility Truck Distribution System

C. Current Water Use and Determination of Future Requirements – Water Management Issues and Goals

This section includes the historical patterns of water delivery and use by the water utility. Future water needs and infrastructure requirements based on growth projections should be identified. Comparison of current water supplies and future projections will reveal if and when additional supplies will be needed. List past water conservation measures as well as opportunities for improving the efficiency of water use. Indicate any opportunities to coordinate with other companies to develop and implement management conservation measures. List short and long term goals for efficient water use. Identify potential use of any water gained from reductions in use due to the implementation of the water conservation plan. The current and possible future water rates should be discussed in detail.

All data and information is included in the 2024 Water Master Plan. (Attached)

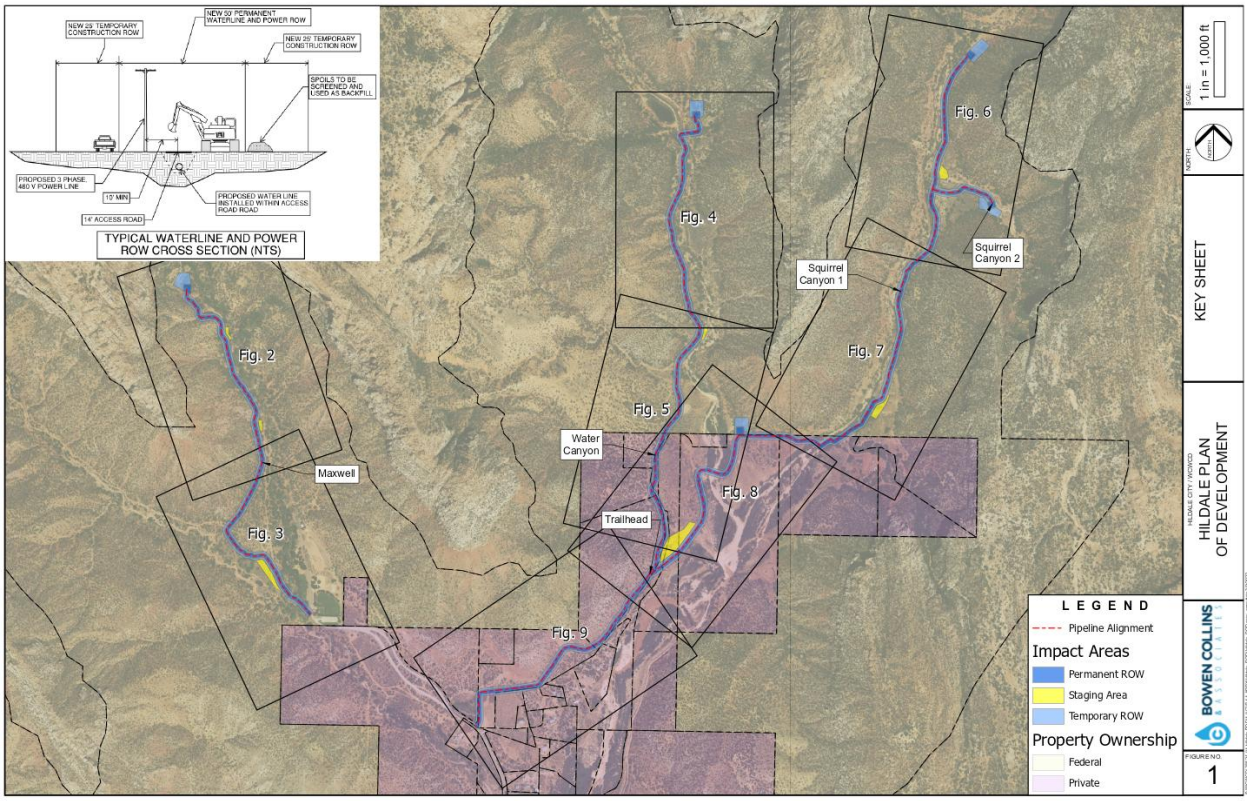
D. Identification of Alternatives to Meet Future Water Needs

Strategies to meet future demands beyond the limits of existing supplies or infrastructure should be identified. These strategies should include conservation alternatives as well as traditional water development plans. Economics and environmental impacts of the alternatives, including infrastructure requirements, should be determined and evaluated.

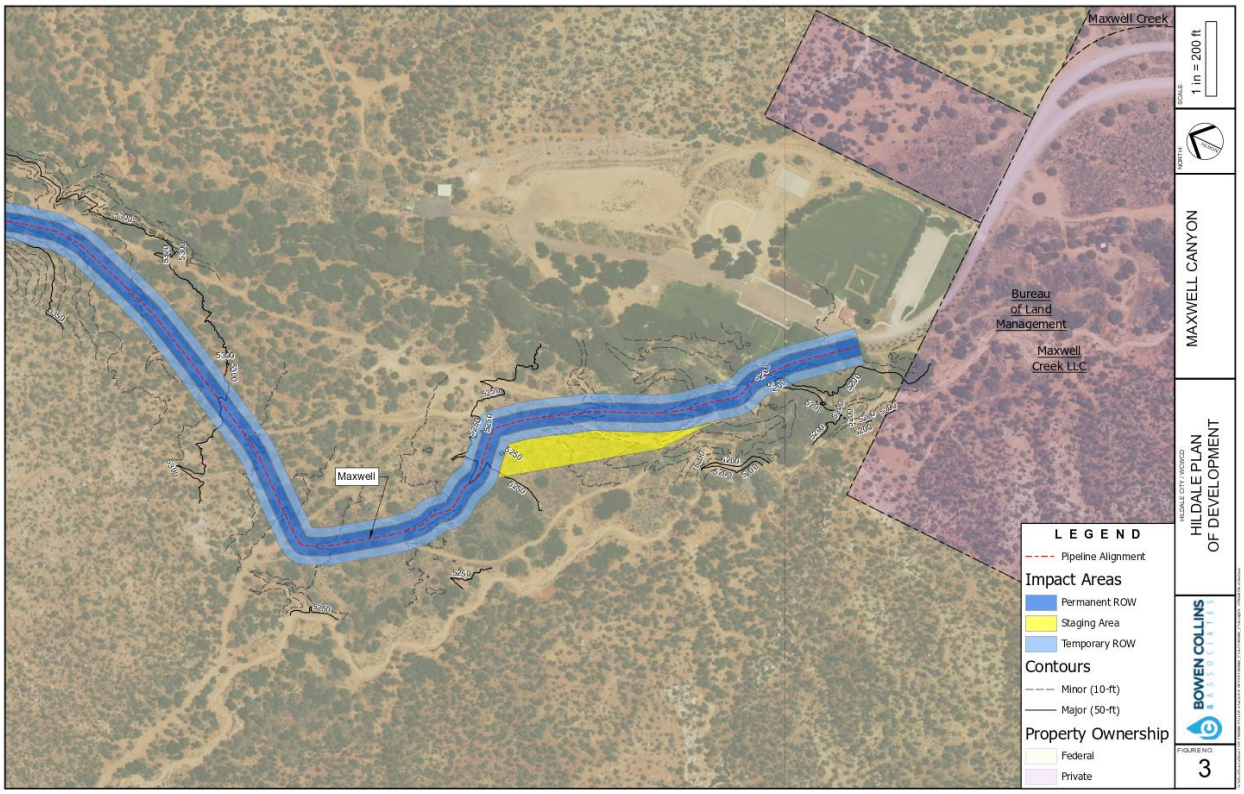
The City has been working in partnership with Washington County Water Conservancy and the Bureau of Land Management (BLM) to investigate new water opportunities to the north and west of the community. There have been discussions with property owners who may wish to develop large parcels in the future to ensure they have adequate water and water rights to bring to the community for development. Between these Studies, Partnerships and property owner communications done through the outline of the Water Master Plan, new sources/alternative sources are being sought for the future. In addition, Water Conservation programs have been implemented and tiered water rates, to encourage water reduction, have been put into place.

The Water Master Plan includes options for water re-use opportunities for the future. As the older wastewater lagoons are phased out, mechanical plants with reclaimed water can be constructed to treat sewer and produce a high-quality reclaimed water for beneficial water re-use in the community and reducing culinary/potable water use.

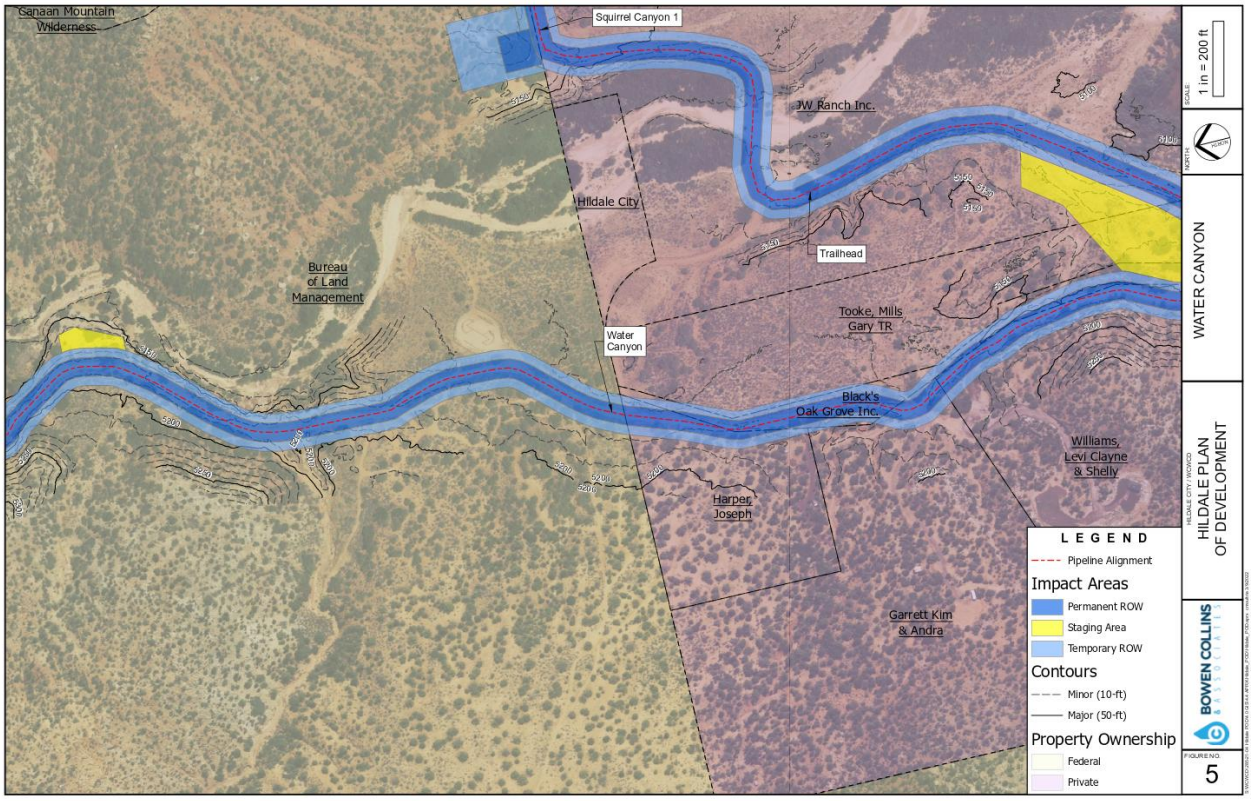
Bowens Collins BLM Partnership Study

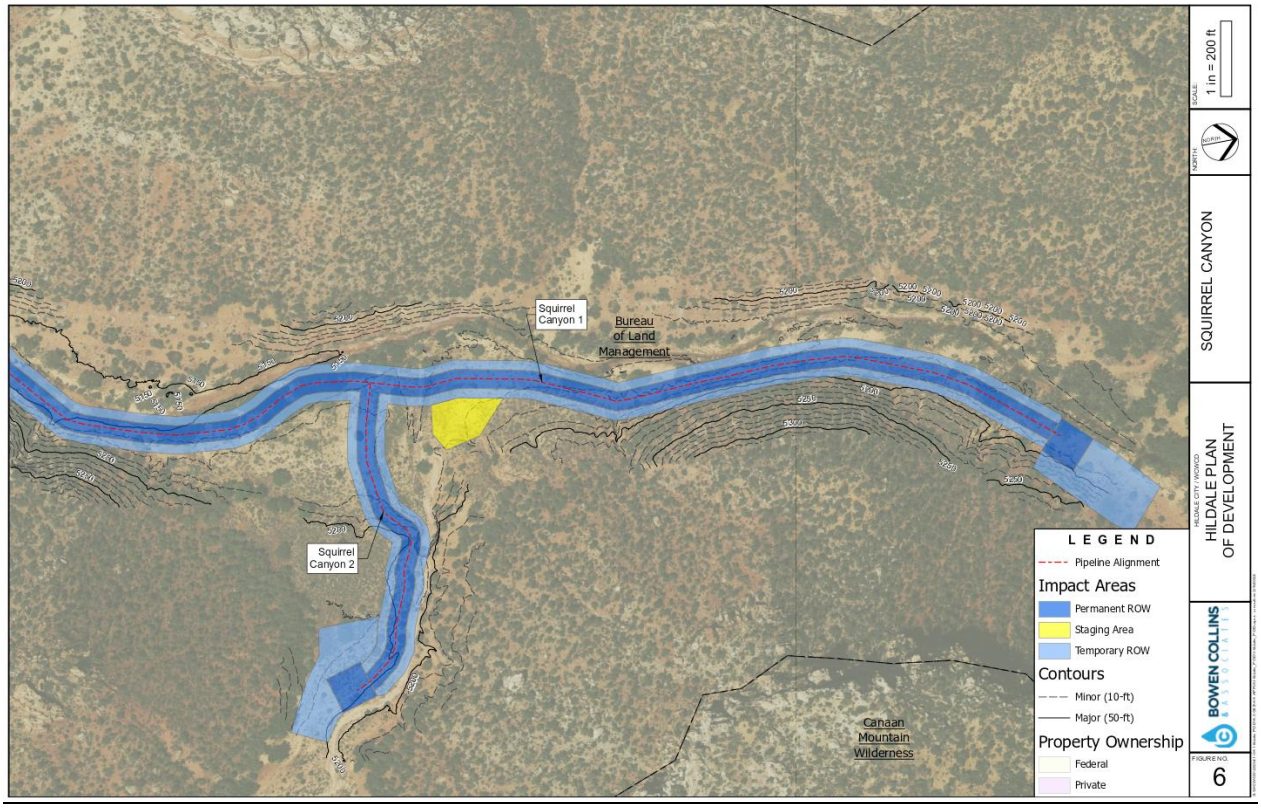



Bureau
of Land
Management
Maxwell
Canaan
Mountain
Wilderness
LEGEND
Pipeline Alignment
Impact Areas
Permanent ROW
Staging Area
Temporary ROW
Contours
Minor (10-ft)
Major (50-ft)
Property Ownership
Federal
Private
SCALE
1 in = 200 ft
NORTH
MAXWELL CANYON
HILDALE CITY / WCWCD
HILDALE PLAN
OF DEVELOPMENT
BOWEN COLLINS
& ASSOCIATES
FIGURE NO.
2


Maxwell Creek
Bureau
of Land
Management
Maxwell
Creek LLC
Maxwell
LEGEND
Pipeline Alignment
Impact Areas
Permanent ROW
Staging Area
Temporary ROW
Contours
Minor (10-ft)
Major (50-ft)
Property Ownership
Federal
Private
SCALE
1 in = 200 ft
NORTH
MAXWELL CANYON
HILDALE CITY / WCWCD
HILDALE PLAN
OF DEVELOPMENT
BOWEN COLLINS
& ASSOCIATES
FIGURE NO.
3


Canaan Mountain Wilderness
Bureau of Land Management
Water Canyon
LEGEND
Pipeline Alignment
Impact Areas
Permanent ROW
Staging Area
Temporary ROW
Contours
Minor (10-ft)
Major (50-ft)
Property Ownership
Federal
Private
1 in = 200 ft
WATER CANYON
HILDALE PLAN OF DEVELOPMENT
BOWEN COLLINS
FIGURE NO.
4


Canaan Mountain Wilderness
Squirrel Canyon 1
JW Ranch Inc.
Hildale City
Trailhead
Bureau of Land Management
Water Canyon
Tooke, Mills Gary TR
Black's Oak Grove Inc.
Williams, Levi Clayne & Shelly
Harper, Joseph
Garrett Kim & Andra
LEGEND
Pipeline Alignment
Impact Areas
Permanent ROW
Staging Area
Temporary ROW
Contours
Minor (10-ft)
Major (50-ft)
Property Ownership
Federal
Private
1 in = 200 ft
WATER CANYON
HILDALE PLAN OF DEVELOPMENT
BOWEN COLLINS
FIGURE NO.
5


Squirrel Canyon 1
Bureau of Land Management
Squirrel Canyon 2
Canaan Mountain Wilderness
LEGEND
Pipeline Alignment
Impact Areas
Permanent ROW
Staging Area
Temporary ROW
Contours
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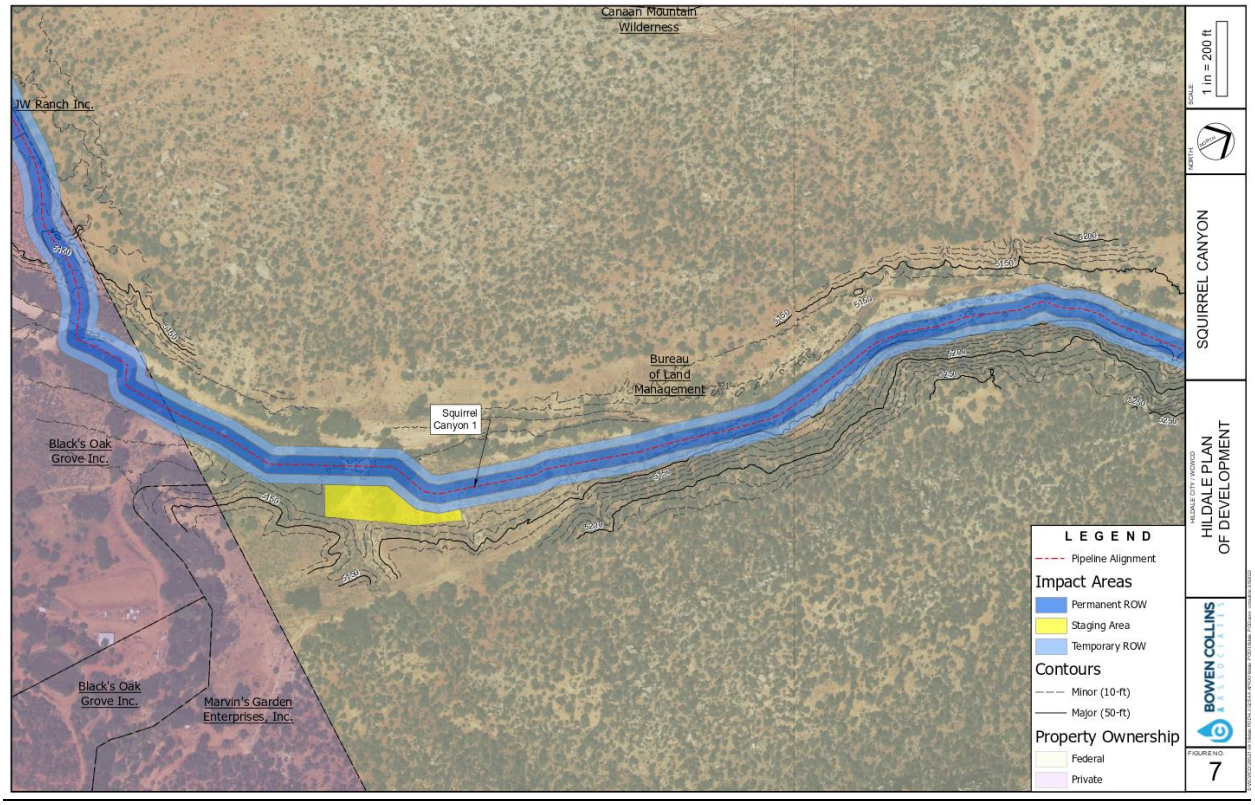
NORTH
SQUIRREL CANYON
HILDALE CITY / WCWCD
HILDALE PLAN OF DEVELOPMENT
BOWEN COLLINS
FIGURE NO.
6


Canaan Mountain Wilderness
JW Ranch Inc.
Bureau of Land Management
Squirrel Canyon 1
Black's Oak Grove Inc.
Black's Oak Grove Inc.
Marvin's Garden Enterprises, Inc.
LEGEND
Pipeline Alignment
Impact Areas
Permanent ROW
Staging Area
Temporary ROW
Contours
Minor (10-ft)
Major (50-ft)
Property Ownership
Federal
Private
SCALE
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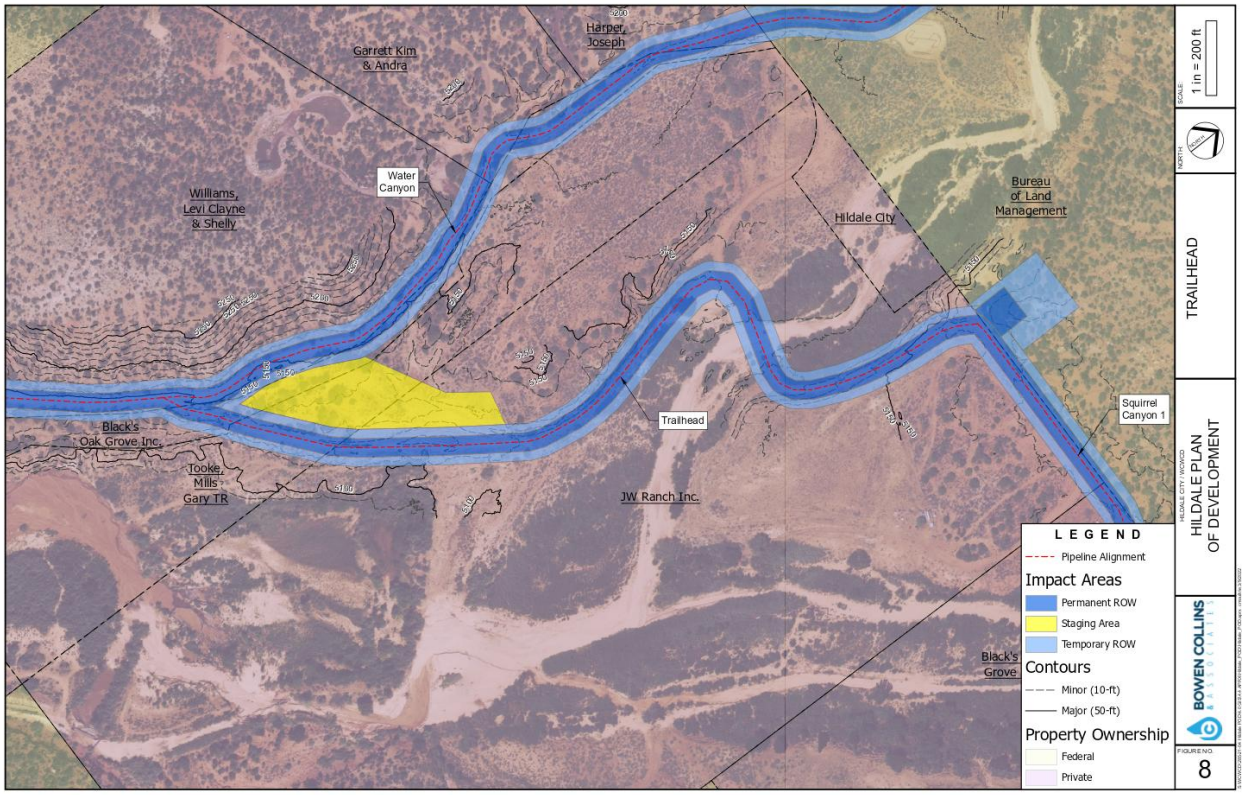
NORTH
SQUIRREL CANYON
HILDALE CITY / WCWCD
HILDALE PLAN OF DEVELOPMENT
BOWEN COLLINS
FIGURE NO.
7


Garrett Kim & Andra
Harper, Joseph
Water Canyon
Williams, Levi Clayne & Shelly
Bureau of Land Management
Hildale City
Trailhead
Squirrel Canyon 1
Black's Oak Grove Inc.
Tooke, Mills Gary TR
JW Ranch Inc.
Black's Grove
LEGEND
Pipeline Alignment
Impact Areas
Permanent ROW
Staging Area
Temporary ROW
Contours
Minor (10-ft)
Major (50-ft)
Property Ownership
Federal
Private
SCALE
1 in = 200 ft
NORTH
TRAILHEAD
HILDALE PLAN OF DEVELOPMENT
BOWEN COLLINS
FIGURE NO.
8


Canaan Mountain Wilderness
Bureau of Land Management
Maxwell Creek
Stubbs, Billy Shem
Williams, Levi Clayne & Shelly
Grand American Land LLC
Maxwell Creek LLC
Johnson, Terry; Seay, Stacy
Water Canyon
Black, Levi V
Tooke, Mills Gary TR
Black, Lamont
Hammon, Shauna
Black, Pamela Thomas TR
Black's Oak Grove Inc.
Seay, Stacy
Sons of Light Ministries
LEGEND
Pipeline Alignment
Impact Areas
Permanent ROW
Staging Area
Temporary ROW
Contours
Minor (10-ft)
Major (50-ft)
Property Ownership
Federal
Private
SCALE
1 in = 200 ft
NORTH
WATER CANYON
HILDALE PLAN OF DEVELOPMENT
BOWEN COLLINS
FIGURE NO.
9

E. Evaluation and Selection of Alternatives

The alternatives investigated should be evaluated and prioritized to meet future demands. Reaction to the various alternatives from the public (or stockholder) can help guide the water utility or company in the selection and prioritization of alternatives to implement. The Public should be involved in all phases of the process.

The City of Hildale holds regular stakeholder meetings (typically monthly and open to the Public) through the Utility Advisory Board (UAB) to discuss projects in relationship to the Water Master Plan. The UAB is made up of five (5) residents and water users as appointed by the Council. These meetings are publicized and open to the Public. When a water system expansion/change is being considered, the UAB holds a meeting to discuss the opportunities in an open format. Once input is received from the members and the Public, a recommendation is sent to the City Council for consideration of the next steps to be taken. After the City Council has their Public Meeting and the items are discussed, a motion is made to proceed/not to proceed/table for more information.

The Public Notices are posted in accordance with all State and Federal laws for both the UAB and Council Meetings.

F. Periodic Evaluation

The Water Management and Conservation Plan should be reviewed and updated periodically by the water utility or company to reflect new data and trends and gauge performance progress.

The City completes a monthly report showing the new building permits, the estimated water consumption based on the Utah Department of Drinking Water (DDW) criteria for flows, pressures, peak day demand and peak day demands with fire flows. These monthly reports track water production, system demand and system pressures monthly. These reports are used to extrapolate the future growth and determine if water demands can support the new growth.

The UAB does monthly reviews and recommendations of new, Proposed Subdivisions/Preliminary Plats before they go to City Council. The UAB Chair writes a summary Memorandum to the City Council outlining concerns with the new development and if the developer needs to provide a Development Agreement for Utilities prior to final approval.

G. Associated Plans – Emergency Response Plan

As part of the WMC plan, short-term emergency water measures may be included to deal with drought, contamination or flooding that may temporarily affect water supplies. A good emergency response plan will identify these problems and provide for contingencies to meet the "short-term emergency" needs. Plans should identify events that activate the emergency plans.

Emergency Response Plan was updated in 2021

H. List of Company Officers

Donia Jessop, City Administrator/Mayor
Jerry Postema, Utility Director
Nathan Fischer, Utility Superintend

Water Conservation Measures were incorporated in the Water Ordinance by Council Resolution 2017-06-03 under Section 40.30. April 10, 2024 The Water Master Plan was adopted with Water Conservation outlined in Section II.H and in the Rate Study; Tiered Rates for Conservation, Adopted July 10, 2024 and in the Emergency Response Plan (ERP) Dated December 2021 and Certified with EPA on December 21, 2021.
Documents will be provided upon request.

Certificate of Adoption

We, The City of Hildale, Utah, hereby certify that the **attached** Water Management and Conservation Plan has been established and adopted by our city council, board of directors, or stockholders on June 3, 2017, April 10 and July 10, 2024.

Jerald A Postema	Utility Director	October 1, 2024
Name	Title	Date

REFERENCE SECTION

A. Background Information

A short, descriptive narrative of the water utility or company and its service area is needed. General policies and goals of the water utility should be defined and explained. A narrative might include a history of the utility or company and mention of recent water management accomplishments.

B. Existing Resources

This section should include an inventory of current water sources controlled either through water rights or contractual agreements by the water utility or company. Hydrologic data and analysis to support the quantification of firm yields, as well as the frequency and magnitude of shortages of supply, could be included as part of the documentation. This data describes the water supply with which a water utility or company has to respond to current and future demands.

Current infrastructure should be considered as part of the existing resource inventory.

E. Evaluation and Selection of Alternatives

The various alternatives investigated should be evaluated and prioritized to meet future demands. Reaction to the various alternatives by the public, or stockholder in the case of private water and irrigation companies, can help guide the water utility or company in the final selection and prioritization of alternatives to implement. The public or stockholder perception of the water management and conservation plan development will, in large part, determine the limits of implementation. The public should be involved in all phases of the process. This approach, while more difficult and time-consuming, will provide a broader base of support for a final WMC plan.

F. Periodic Evaluation

The WMC plan should be reviewed and updated periodically by the water utility or company to reflect new data and trends and gauge performance and progress. This effort will ensure efficiency and timeliness of the plan.

C. Current Water Use and Determination of Future Requirements

This section would include the historical patterns of water delivery and use by customers of the water utility. Future water needs based on economic and population growth projections should be identified. And a time frame for future projections is needed. The water Utility or company should remember that the lead time for development of future supplies can be as significant for conservation methods as it is to develop new supplies.

Comparison of current water supplies and future projections will reveal if and when additional supplies will be needed. Infrastructure requirements such as conveyance, treatment and distribution systems for future needs should also be determined as part of this process.

D. Identification of Alternatives to Meet Future Water Needs

Strategies to meet future demands beyond the limits of existing supplies or infrastructure should be identified. These strategies should include conservation alternatives as well as traditional water development plans. Economics and environmental impacts of the alternatives, including infrastructure requirements, should be determined and evaluated.

G. Associated Plans – Emergency Response Plan

As part of the WMC plan, short-term emergency water measures may be included to deal with drought, contamination or flooding that may temporarily affect water supplies. A good emergency response plan will identify these problems and provide for contingencies to meet the "short-term emergency" needs. Plans should identify events that activate the emergency plans.