

CITY OF KIMBERLY



Wastewater Collection System Environmental Information Document

May 2016

U.S. Army Corps of Engineers
W68SBV60205505



J-U-B ENGINEERS, Inc.

115 Northstar Avenue

Twin Falls, ID 83301

(208) 733-2414

Project Number: 60-15-099

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CITY OF KIMBERLY WASTEWATER COLLECTION SYSTEM ENVIRONMENTAL INFORMATION DOCUMENT

Funding: U.S. Army Corps of Engineers
City of Kimberly

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1.0 INTRODUCTION

1.1 PURPOSE AND NEED OF PROJECT

The City of Kimberly owns and operates a wastewater collection system that serves the area within and around the City. Collected wastewater from the City is discharged to the City of Twin Falls for treatment through a Multijurisdictional Agreement (MJA) between the two cities that originated in 1974 when Kimberly ceased treating their own wastewater. The Mayor, City Council, and City staff have expressed concerns regarding the condition of the existing wastewater collection system. Consequently, the City authorized J-U-B ENGINEERS, Inc. (J-U-B) to develop a Wastewater Facilities Plan which was completed in October of 2015. Concurrently the City pursued sources of funding for improvements to the wastewater collection system and secured funding for a portion of the collection system improvements through the U.S. Army Corps of Engineers.

This Environmental Information Document (EID) includes a summary of the findings from the Facilities Plan and provides additional information relative to how the selected collection system improvements to be funded through the U.S. Army Corps of Engineers project may affect the environment and cultural resources.

Project Funding and Monthly User Rates:

The project funding sources are summarized in **Table 1-1**. Due to the source of funding, Davis-Bacon wage provisions will be required on this project.

Table 1-1. Collection System Improvements Funding Source

Funding Source	\$'s Available	Source
U.S. Army Corps of Engineers	\$500,000	Grant
City of Kimberly	\$166,667	Capital Improvement Fund
Total	\$666,667	

For the proposed collection system improvements there will not be an impact to the City of Kimberly user rates. The funds for the project are through a grant from the U.S. Army Corps of Engineers and matching funds from the City of Kimberly from existing funds designated for capital improvements.

1.2 EXISTING WASTEWATER COLLECTION SYSTEM

1.2.1 History

Prior to 1974 the City owned and operated its own wastewater treatment facility. In 1974 this was modified when the City eliminated its treatment facilities and an interceptor was built to convey the flow to Twin Falls for treatment. In 2001 and 2002, approximately 30,000 feet of the existing system was rehabilitated and replaced with HDPE plastic pipe. The system has expanded in size from 13.7 miles in 2000 to 19.8 miles currently. This corresponds to a growth rate of 45 percent over the last 14 years.

1.2.2 Materials and Sizes

Figure 1-1 shows the layout of the existing system and pipes sizes. **Table 1-2** and **Figure 1-2** summarize the lengths of each pipe size and material type. Approximately 30,000 feet of concrete pipe was replaced with HDPE in 2001 and 2002 to provide corrosion resistance and prolong the life of the sewer.

Figure 1-1. Existing Sewer Collection System

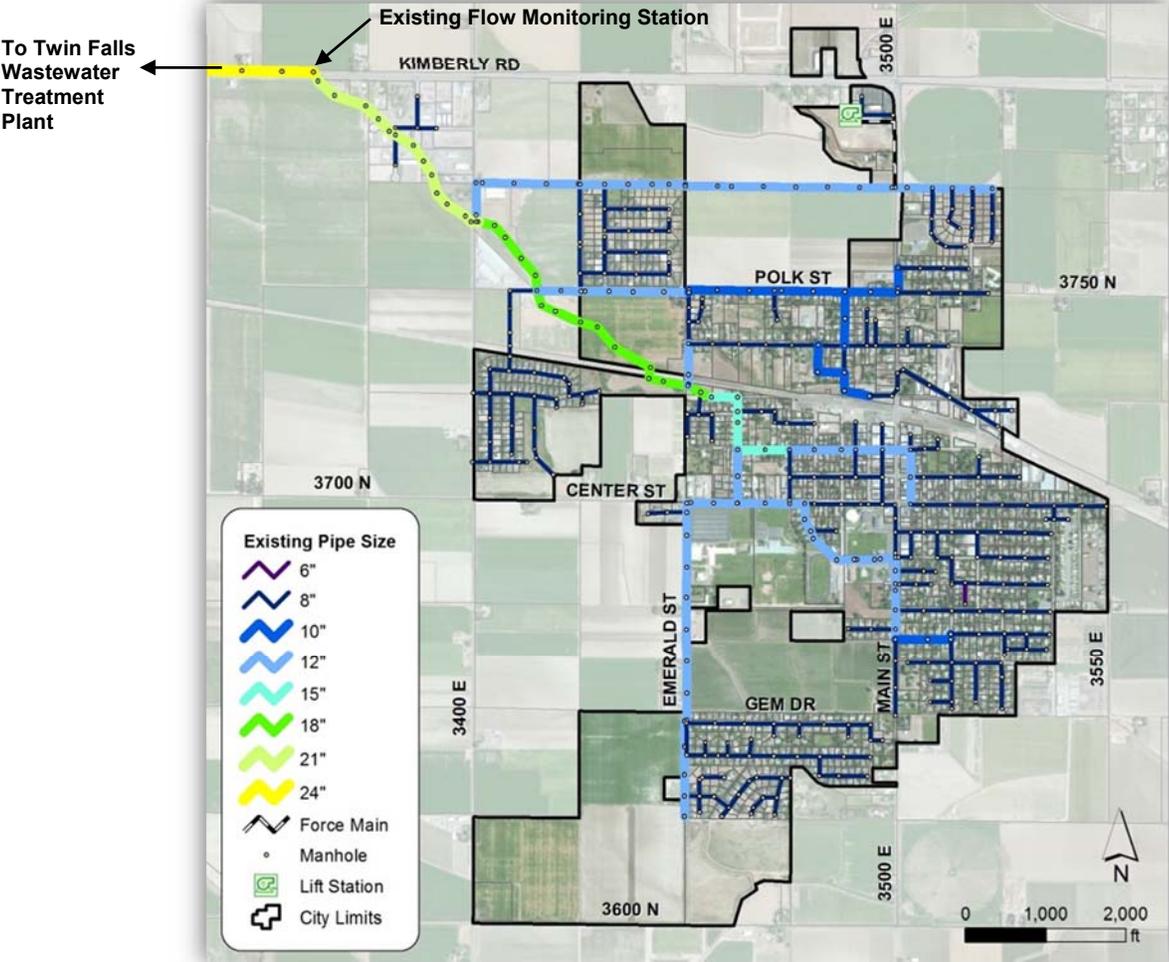
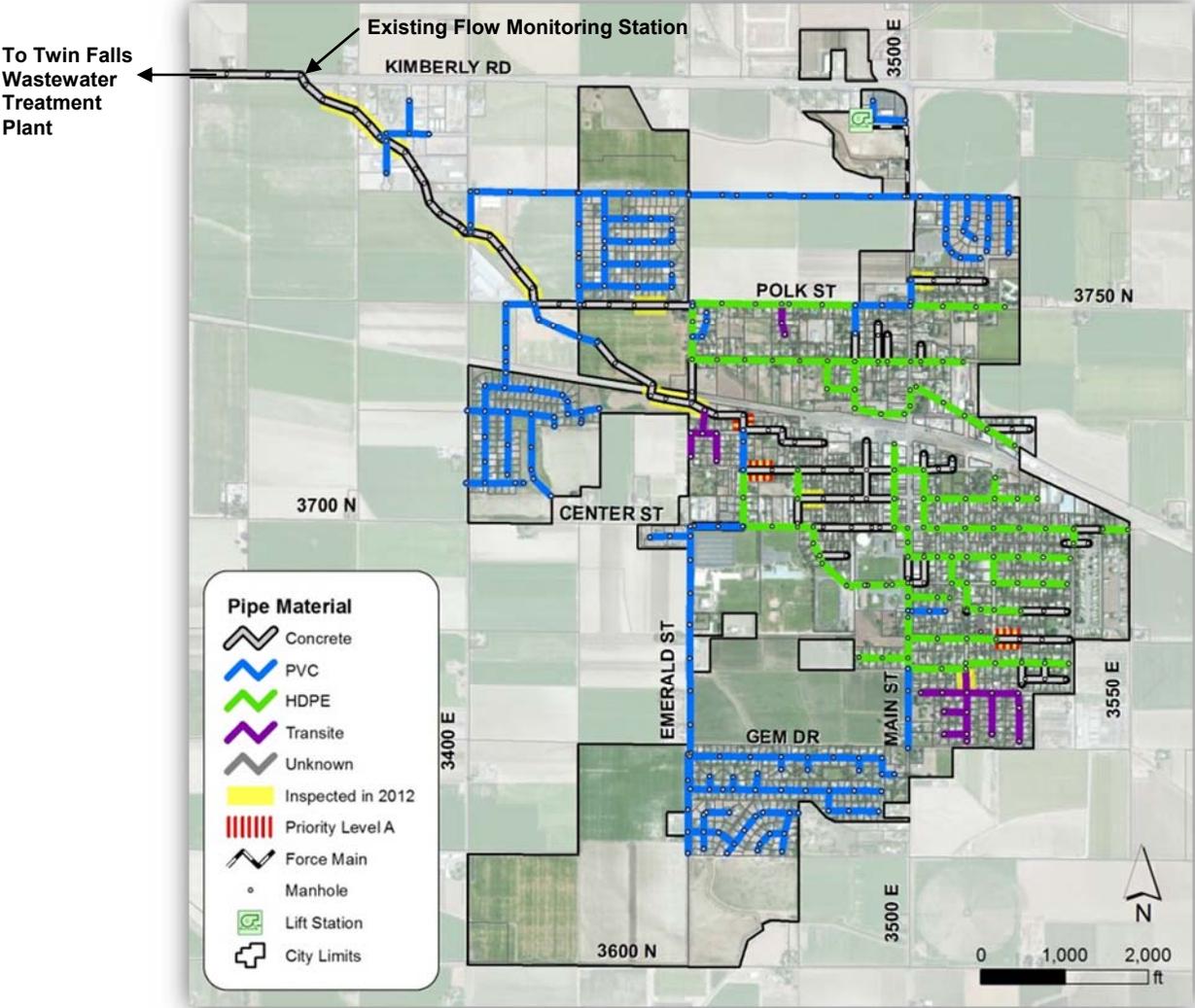


Table 1-2. Existing Sewer Collection System Line Sizes and Materials

PIPE MATERIAL	<8"	8"	10"	12"	15"	18"	21"	LENGTH	%
PVC		31,711	1,003	11,547	483	947		45,691	44%
HDPE		20,710	3,912	5,154				29,776	29%
CONCRETE		11,857	337	3,561	1,159	3,007	2,915	22,836	22%
TRANSITE		5,217						5,217	5%
UNKNOWN	605							605	1%
TOTAL	605	69,496	5,251	20,262	1,642	3,954	2,915	104,125	
Percentage	1%	67%	5%	19%	2%	4%	3%	100%	

Figure 1-2. Existing Sewer Collection System Materials



1.3 EXISTING COLLECTION SYSTEM CONDITION

Approximately 3,966 feet (3.8%) of the existing sewer collection system lines were cleaned and video inspected in the summer of 2012. The investigation focused on concrete lines, with most of the investigated lines being the trunk lines larger than 8 inches. **Figure 1-2** shows the sewer line materials and the lines that were investigated in 2012.

A review of the video inspection records indicated that a majority of the collection lines have some degree of deterioration. Most of the pipes were in generally good structural condition, with small cracks and breaks and some surface corrosion/erosion. The pipes that were inspected were prioritized based on overall condition. Of the 3,966 feet of inspected pipe, 807 feet (20%) were given a priority level A and had significant issues that require attention. The issues include cracks, corrosion, roots, and grade issues (i.e., sags, dips, bellies, etc.).

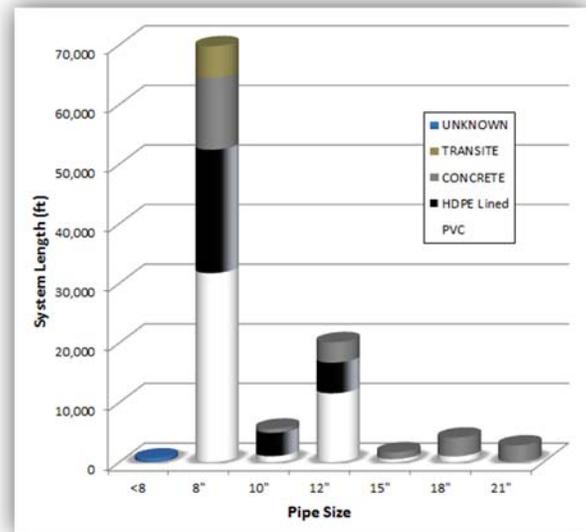


Figure 1-3. Collection System Material and Sizes

Under the most severely deteriorated conditions, excessive infiltration and the introduction of silt and sand into the pipes is common. Both of these conditions reduce the capacity of the system while increasing maintenance requirements and discharge costs. The video inspection records did show some infiltration, but it did not appear to be excessive.

The City has recently acquired a CCTV inspection camera and jetting vehicle and is in process of implementing a regular cleaning and inspection schedule. Sewer systems that are cleaned regularly are less likely to develop blockages and reduced flow capacity. Depending on conditions, municipalities typically clean each portion of the system every 3 to 5 years. However, portions of the system with known maintenance issues should be cleaned more frequently.

1.4 EXISTING COLLECTION SYSTEM CAPACITY

Capacity of the existing system was estimated through the use of a hydraulic computer model. The Existing Model in this study was built using the City's AutoCAD mapping, manhole database, and InfoSWMM modeling software. The City's AutoCAD maps were converted to GIS to use in the model. Previous modeling efforts (2001) for the City utilized Hydra Modeling software. InfoSWMM was chosen to provide a GIS-based modeling platform well suited to integrate the City's GIS data and also to provide a more sophisticated hydraulic modeling engine. The Existing Model's primary purposes are to:

- Provide a snapshot of current system flows
- Identify potential existing capacity issues
- Calibrate unit flows for use in the Master Plan Model

The Existing Model consists of the System Layer and the Flow Generation Layer. Each layer includes multiple parameters and corresponding assumptions that characterize the area and system being modeled. The assumptions are based on the City's GIS data, surveyed pipe inverts, record drawing data,

flow monitoring, characteristics learned from the physical system, similar studies done in the region, and general and historical knowledge gained through previous work for the City. The Existing Model is considered representative of the City’s sewer system and flows as of June 2012.

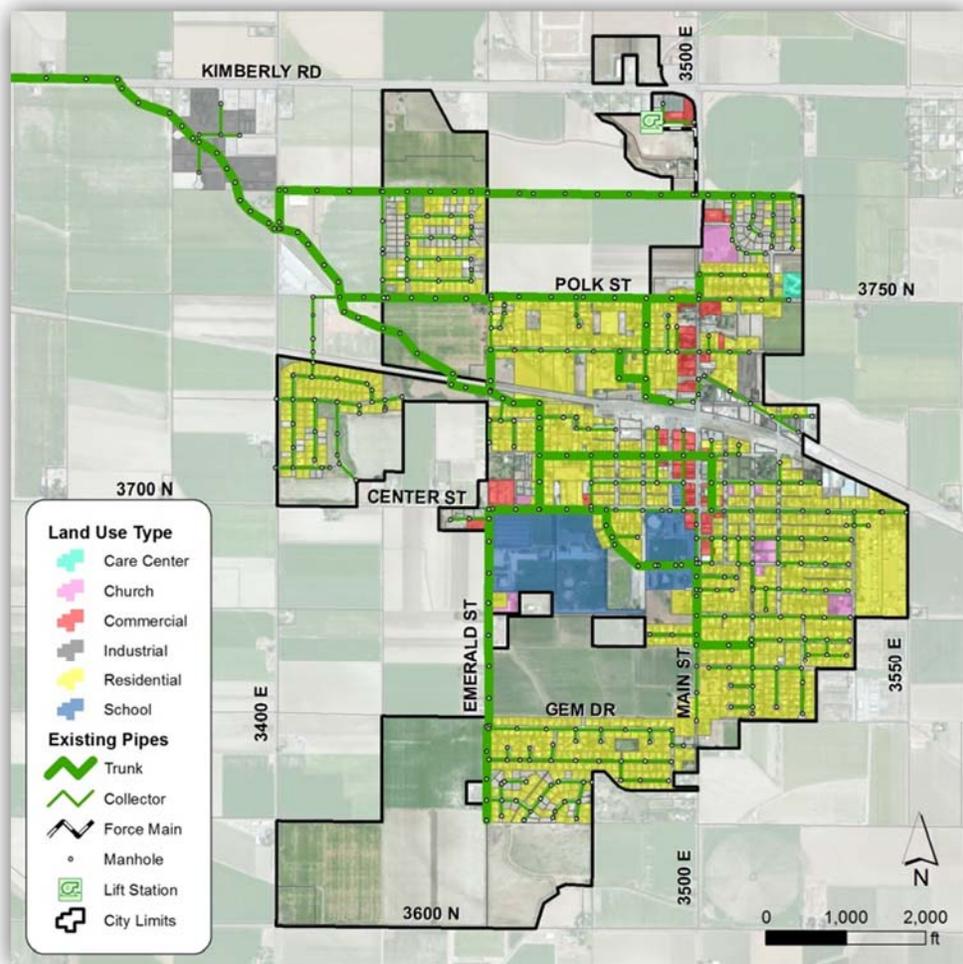
1.4.1 Sanitary Flow Generation and Land Use

Sanitary flows in the model were generated and allocated through the parcel layer. The parcel data was provided by the County. The data was processed and it was determined which parcels were connected to the sewer system. A land use type and corresponding unit flow were also designated for each parcel.

Unit flows for various land use types from the cities of Meridian and Boise, Idaho were used as the basis for the unit flows in Kimberly. These unit flows were each based on analyses of winter water meter usage data for those cities. The unit flows were then modified slightly during the Kimberly model calibration to approximate actual monitored sewer flows.

Figure 1-4 shows the land use designations for the parcels used in the calibration and existing system analysis.

Figure 1-4. Existing Land Use Types



The land use types were developed from the existing zoning designation associated with each parcel. The zoning designations were simplified and grouped based on uses that impact sewer unit flows or diurnal shapes. The simplified list of land use types is shown in **Table 1-3**.

Table 1-3. Existing Model Land Use Types and Unit Flows

Land Use	Unit Flow	Unit
Care Center	1,000	GPAD
Church	160	GPAD
Commercial	1,000	GPAD
Industrial	500	GPAD
Residential	160	GPDU
School	140	GPAD

Diurnal curves were developed for each land use type. A diurnal curve is the typical 24-hour shape of the flow for a given land use type. The diurnal curves for each land use type were based on historical modeling efforts and then modified slightly during calibration to match flow monitoring results.

1.4.2 Infiltration and Inflow

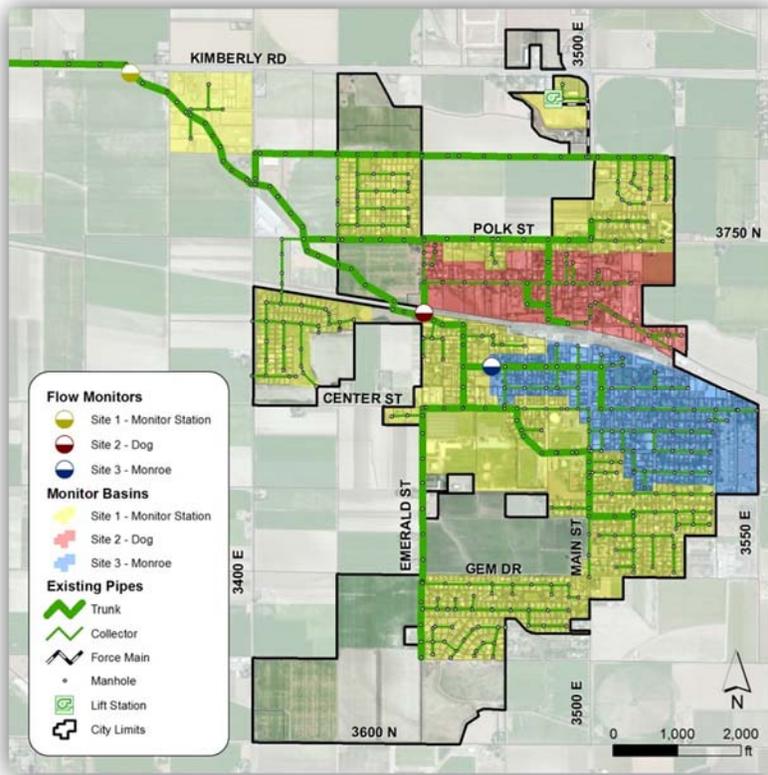
Infiltration is groundwater entering the sewer through cracked pipes or other deficiencies in the system. This can be groundwater from a high water table or rainfall induced groundwater. The majority of the City is constructed in areas that have a water table depth below the collection system. As such, infiltration is not likely, which is supported by historical flow monitoring records. The Existing Model does not include an infiltration component in the system.

Inflow is the flow of water directly into the sewer during and after a rainfall event due to direct connection from storm drains, roof drains, parking lots, manholes, etc. to the sewer. Fortunately, a storm event occurred during flow monitoring on April 26, 2012. The total storm precipitation was 0.34 inches at weather station MD 8989 and 0.33 inches at weather station KIDTWINF10. Both weather stations are located in Twin Falls. The storm added approximately 0.15 MGD of wet weather flow to the 0.25 MGD dry weather flow, or increased the flow by 60 percent at the monitoring station outfall at the time of the storm. Inflow is discussed further in model calibration.

1.4.3 Existing Model Calibration

Calibration is the process of globally modifying assumptions and parameters in order to match flow monitoring data in multiple locations. Sewer flows were monitored at three locations in the system between April 19 and May 2, 2012. It is assumed that observed flows during this period are representative for the City since the period was relatively dry overall, with isolated precipitation events and a significant rainfall event on April 26, 2012. Historical flow data shows no substantial seasonal changes in the flows at the WWTP throughout the year. Flow monitoring locations are shown on **Figure 1-5**.

Figure 1-5. Flow Monitoring Locations and Inflow Areas

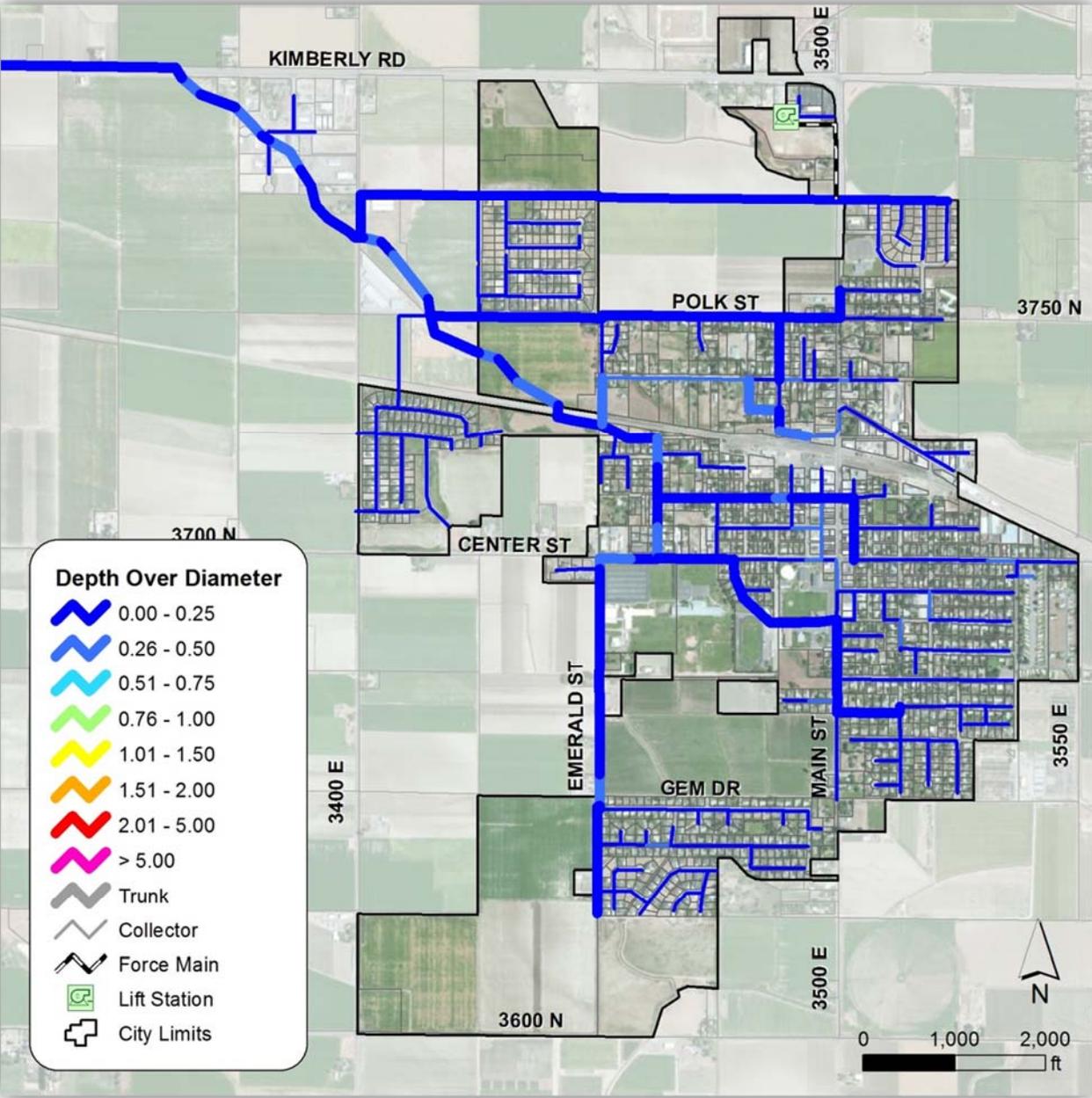


The data set itself has limitations that prevent ‘perfect’ calibration between model output and measured flows. Some of the factors affecting calibration include the level of uncertainty of the flow monitoring data and assumed unit flows for flow generation. Considering these limitations, the model calibrated well without significant changes to base assumptions or parameters, providing a high level of confidence in the Existing Model results.

1.4.4 Existing Model Analysis

Figure 1-6 shows the resulting depth over diameter (d/D) for the Existing Model, illustrating the hydraulic capacity of the system. It shows that all of the lines flow at a d/D of less than 0.50. Based on this, the current system has sufficient capacity for the design flow condition, and no immediate improvements are needed. All Existing Model results and figures include the 2-year, 24-hour Type II SCS design storm event.

Figure 1-6. Existing Model Results d/D



1.5 PROJECTIONS AND ANALYSIS

1.5.1 Population Projections

As shown in **Table 1-4**, data from the U.S. Census Bureau indicates that the City’s population has increased over the past 60 years, with the exception of the period from 1950 to 1960. The population growth rate has varied since 1960, but has always been positive. The period from 1960 to the most

recent U.S. Census survey in 2010 represents an average annual rate of approximately 1.9 percent, with the most significant growth from 1970 to 1980.

Table 1-4. Historical Population Data

Year	Population ^(a)	Average Annual Percentage Change
1940	963	---
1950	1,347	3.4%
1960	1,298	-0.4%
1970	1,557	1.8%
1980	2,307	4.0%
1990	2,367	0.3%
2000	2,614	1.0%
2010	3,264	2.2%

^(a) Data from U.S. Census Bureau

Discussions with the City indicate that continued population growth is anticipated due to the relatively low land costs in the area and the close proximity to the City of Twin Falls. The City expects that the growth will consist primarily of single-family residential developments within the existing planning area. The City also expects some “dry” commercial, light industrial, and possibly wet industrial development to accompany the residential growth, as evidenced by recent development patterns in the Magic Valley.

Population forecasts for the City of Kimberly were developed for the 20-year planning period based on historical growth patterns, current development interests, and discussions with City personnel. Ultimately, the City of Kimberly selected a growth rate of 2.7 percent per year over the next 20 years. The existing 2013 population of 3,536 is therefore anticipated to increase to 6,025 by the year 2034. This growth rate could vary significantly depending on current and future policy for development in the City and growth in the surrounding area such as Twin Falls.

The 2010 U.S. Census data reported a total number of houses within the City at 1,123 and the number of people per household at approximately 2.87. This value is slightly higher than that of Twin Falls County (2.65) and Idaho (2.66) for the same time period.

Although Kimberly is located within an agricultural region, the service area experiences little, if any, seasonal population fluctuations due to an influx of migrant or other workers. The service area does not contain a migrant labor center, as do some other communities in southern Idaho. As a result, almost all migrant and/or seasonal workers are housed on the farms for which they are employed, most of which are located outside the service area. In addition, Kimberly is generally not considered a retirement community. Therefore, Kimberly does not experience any significant seasonal population fluctuations.

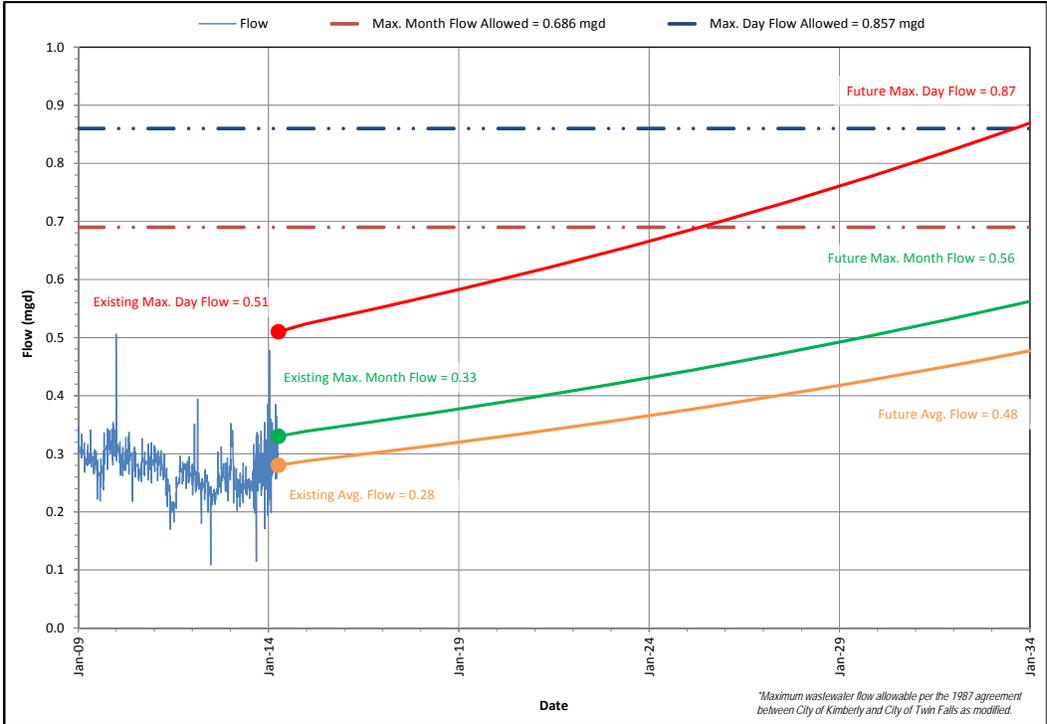
The corresponding projected flows and loads for 2034 are summarized in **Table 1-5**. The average day flow and loading for 2034 was projected based on the estimated growth rate. Maximum month and peak day conditions were estimated from observed peaking factors presented above. Projected flows are shown in **Figure 1-7** and compared with the permitted limits. Results from the flow projections indicate the following:

Table 1-5. Projected Flows for 2034 Summary

Item		Value
Flow (mgd)	Average Day	0.48
	Maximum Month	0.56
	<i>Peaking Factor</i>	<i>1.18</i>
	Peak Day	0.87
	<i>Peaking Factor</i>	<i>1.82</i>
	Peak Hour ^(a)	1.51
	<i>Peaking Factor</i> ^(a)	<i>3.17</i>

^(a) A peaking factor for peak hour flow was estimated using Figure 1 in the 10-States Standards (2004).

Figure 1-7. Flow Projection (2034)



2.0 IMPROVEMENT ALTERNATIVES

The City of Kimberly has cleaned and inspected most of the older sewer lines. Based on the video inspection, the City has estimated that 70% of the existing concrete and transite pipe can be rehabilitated by the curried-in-place pipe (CIPP) method. The balance of the concrete and transite pipe (30%) will need to be replaced by the open cut method. The cost for rehabilitating all of the concrete and transite pipe in the system is estimated at \$4,156,000.

Alternatives developed for the City of Kimberly focused on three primary avenues of action for rehabilitation:

- No Action
- In-Situ Methods of Rehabilitation
- Open Cut Method of Rehabilitation

This proposed improvement project does not include the rehabilitation of all the concrete and transite pipe due to the limited funds currently available for the project. As such this project includes rehabilitation for only selected sections of concrete pipe based on the rehabilitation alternative selected.

2.1 ALTERNATIVE 1 – NO ACTION

Under this alternative, no action would be taken to rehabilitate or repair the existing sewer mains. The pipes would be left in place and continue to operate under the existing conditions. Without action, the existing concrete pipes will continue to deteriorate and will require significantly more maintenance. In addition the City will experience additional line collapses and line blockage due to the deteriorated condition of the lines.

2.2 ALTERNATIVE 2 – IN-SITU METHODS OF REHABILITATION

This method consists of rehabilitating the existing pipe in-place (in-situ) with new pipe. This can be accomplished through pipe bursting and with cured-in-place pipe liners (CIPP). Pipe bursting is accomplished by pulling a bursting device through an existing main, which by virtue of its size or radial expansion ability, shatters the existing pipe and forces the fragments into the surrounding soil. A new pipe is pulled behind the pipe bursting device, replacing the existing pipe. Excavation of small pits is required at the insertion and exit manholes to allow the pipe bursting equipment to be placed into and removed from the existing mains and at each existing service line to reconnect the service.

CIPP consists of an inserted lining technique. A resin saturated composite material is inserted into a totally contained tubular liner. The liner is impregnated with a vacuum and/or roller system, allowing full saturation of the tube with resin. The impregnated liner is inserted into the host pipe through an existing manhole. The liner is inverted against the host pipe by circulating water within the liner or by the use of an inflation bladder. Once positioned, the liner is cured in place by modifying the water circulation temperature or by using steam. This creates a bond with the host pipe, forming a rigid and structural pipe section. Existing manholes can typically be used as access points to insert the liner, eliminating the need for excavation pits. Existing service connections create dimples in the new pipe wall, allowing identification by video inspection after the conduit is cured. These service may be drilled

out through conventional excavation techniques, or by a remote control cutting machine that is inserted into the pipe.

The in-situ lining generally becomes less cost effective as the number of service connections along the rehabilitated length increases. The in-situ lining is also generally less cost effective in smaller quantities due to the limited number of contractors doing this type of work. Additionally, this method does not correct for pipes with structural, grade, alignment and/or depth problems. Channeling of infiltration/inflow (I/I) between the old pipe and the new liner may occur, allowing excess water to enter the sewer main through poorly sealed service connections or manholes. Protruding taps, blockages, roots, sags or other structural problems may prohibit the use of in-situ linings unless corrected prior to installation.

2.3 ALTERNATIVE 3 – OPEN CUT METHOD OF REHABILITATION

The open-cut method of replacing a collection line involves digging a trench along the existing line, temporarily blocking the line and/or by-pass pumping the wastewater flow around the work area, removing the existing line, placing a new line in the same trench and reconnecting existing sewer services. The slope of the new line may be adjusted to improve the flow characteristics of the system. The trench is then back-filled and any existing surface is repaired (ie asphalt, gravel, etc). Existing manholes between collection line replacement segments will be evaluated for proper elevation and for structural integrity and will be replaced as needed. This method of rehabilitation will fix even the most severely deteriorated pipes along with those lines that have grade and sag issues.

2.4 SELECTION OF PREFERRED WASTEWATER TREATMENT ALTERNATIVE

The No Action approach is not considered viable through the planning period due to the current condition of many of the existing collection system lines.

Because of the limited funds currently available the size of the overall project would be small in comparison to the total quantity of pipe that needs to be repaired. Based on this the decision was made that the best use of the funds would be to rehabilitate those lines with issues that would best fit an open cut method of rehabilitation due to grade and structural issues. Thus the open cut method of rehabilitation was selected.

3.0 SELECTED ALTERNATIVE

3.1 RECOMMENDED WASTEWATER SYSTEM IMPROVEMENTS

Collection System Rehabilitation by Open Cut

The City of Kimberly selected Alternative 3 for the highest priority collection system lines for rehabilitation that would require the open cut method due to structural and grade issues. **Figure 3-1** shows the proposed sewer collection lines to be rehabilitated. It is the intent of the City to rehabilitate as many of the lines as the existing funding will allow. Funds may not be available to complete all of the lines identified in **Figure 3-1**.

3.2 IMPACT TO USER RATES

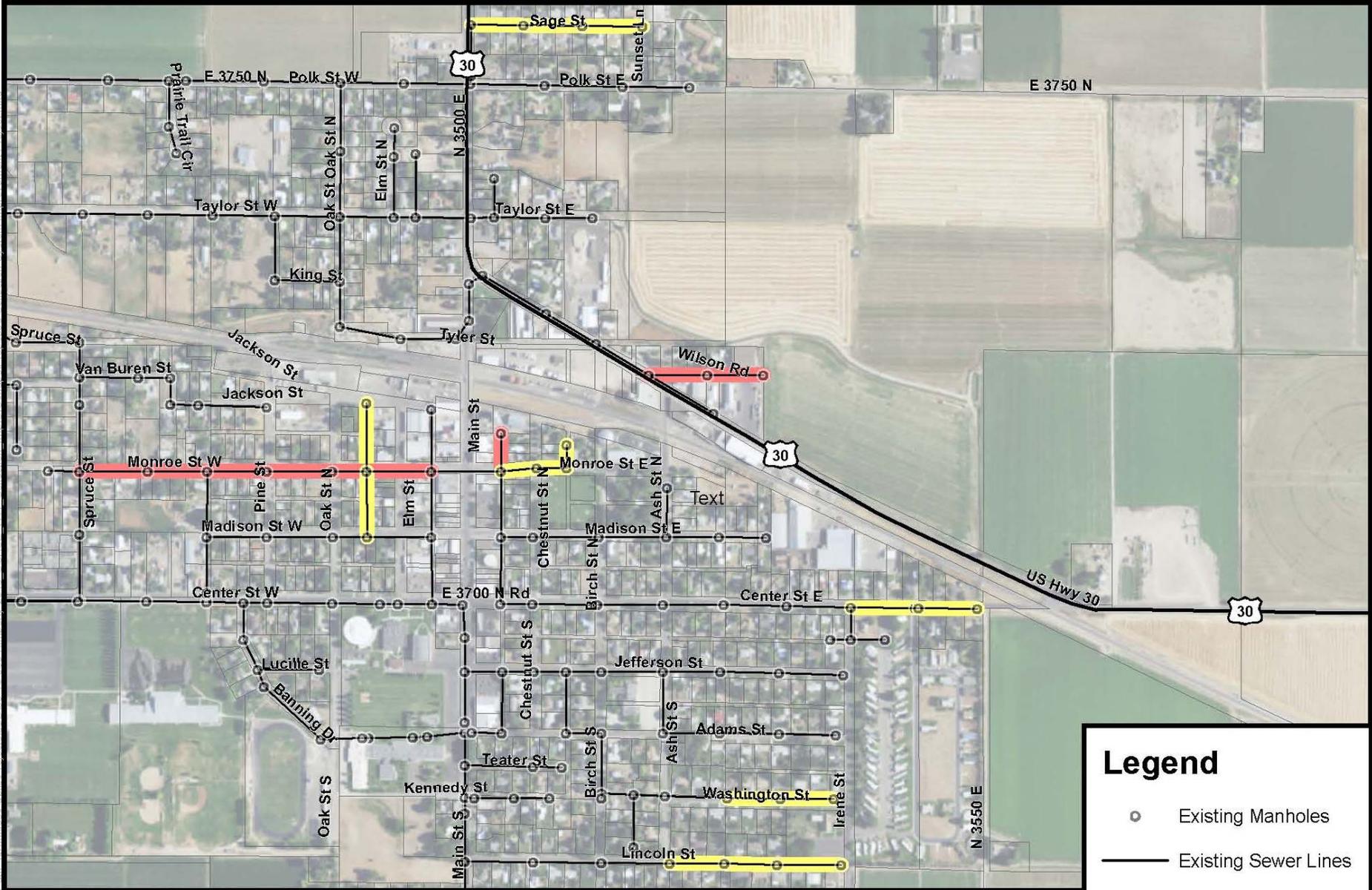
For the proposed collection system improvements there will not be an impact to the City of Kimberly user rates. The funds for the project are through a grant from the U.S. Army Corps of Engineers and matching funds from the City of Kimberly from existing funds designated for capital improvements.

3.3 PROJECT FINANCING

There are several potential sources of funding available to the City to assist in financing the improvements, including:

- IDEQ State Revolving Fund (SRF) loan.
- U.S. Department of Agriculture Rural Development Agency (RD) loans and grants.
- Department of Commerce Idaho Community Development Block Grant Program (ICDBG).
- U.S. Department of Commerce Economic Development Administration (EDA) grants.
- EPA State and Tribal Assistance Grants (STAG).
- U.S. Army Corps of Engineers Section 595 Grants.
- Congressional appropriations.
- New user capacity fees or impact fees.
- City reserve funds.

This portion of the collection system project is being funded through The U.S. Army Corps of Engineers grant through their Section 595 Partnership program with matching funds from the City of Kimberly.

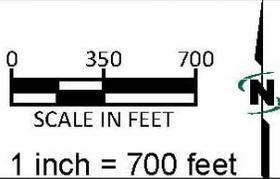
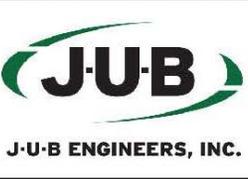


Legend

- Existing Manholes
- Existing Sewer Lines
- Priority 1 Lines
- Priority 2 Lines



FIGURE 3-1
PROPOSED COLLECTION SYSTEM
IMPROVEMENT PROJECT



Revised: 03/31/16

Path: \\brunswick\public\projects\1116160_15_000_Kimberly\1116160_15_000_Kimberly\2016_USACE_IWW_Collection_Improvements\Map\Processed_Collection_System_Improvement_Project.mxd
 Date: 04/12/2016

4.0 AFFECTED ENVIRONMENT/ENVIRONMENTAL RESOURCES

Chapter 4 discusses the current affected environment. Chapter 5 assesses if the proposed improvements will impact the affected environment and proposes mitigation measures, if necessary.

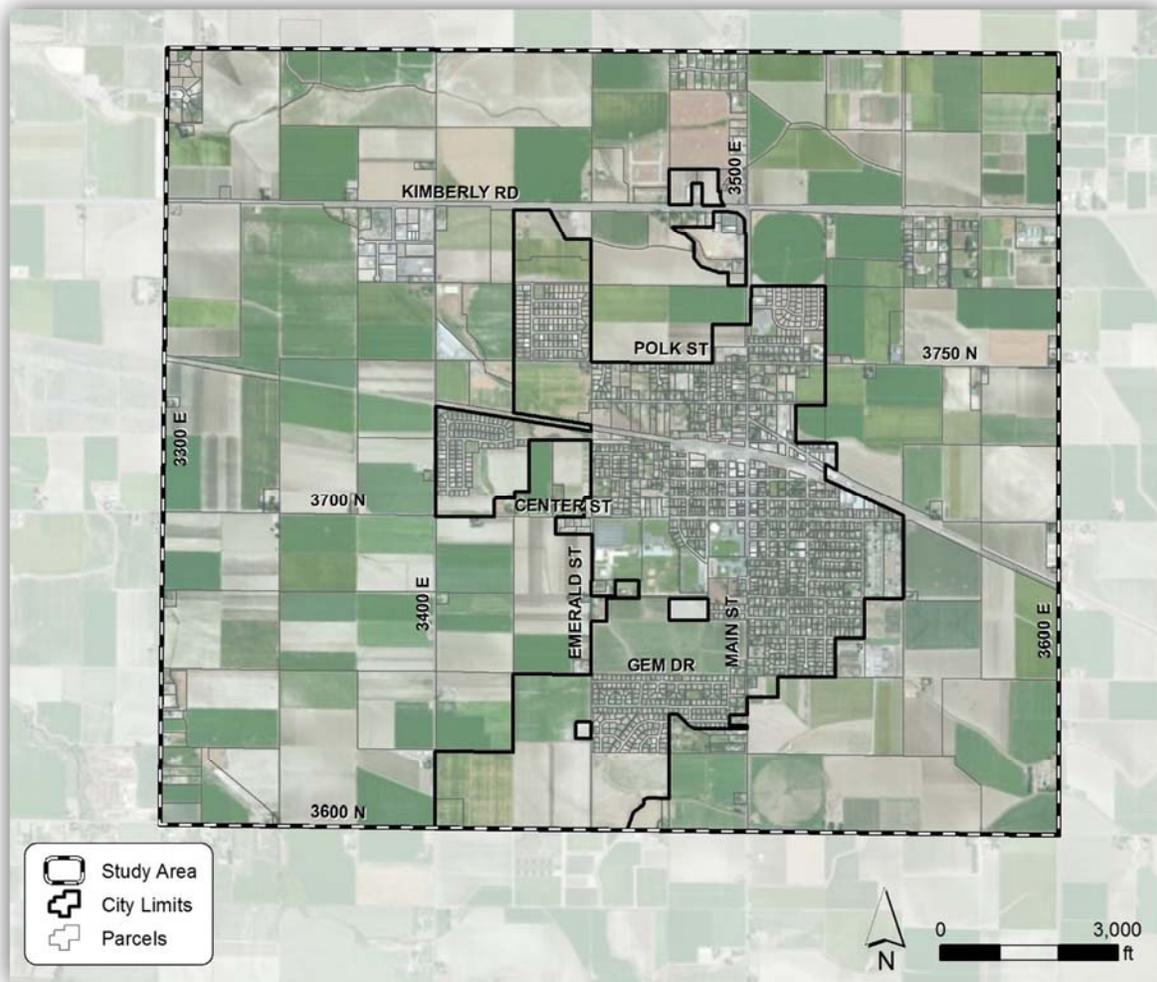
Appendix A includes correspondence and contact information from local, state, and federal agencies with an interest in the potentially affected environment and their comments on potential impacts.

4.1 PLANNING AREA AND GENERAL LAND USE

4.1.1 Proposed Project Planning Area and Area of Potential Effect

The City of Kimberly is located in south central Idaho within the northeast section of Twin Falls County, as seen in **Figure 4-1**. It is adjacent to U.S. 30 and is approximately 4 miles east of the City of Twin Falls in a predominantly agricultural region. The Snake River Canyon is located approximately 3 miles north of the City. The City is located within Sections 20, 21, 28, and 29 of Township 10 South, Range 18 East, B.M.

Figure 4-1. Vicinity Map, including Study Boundary

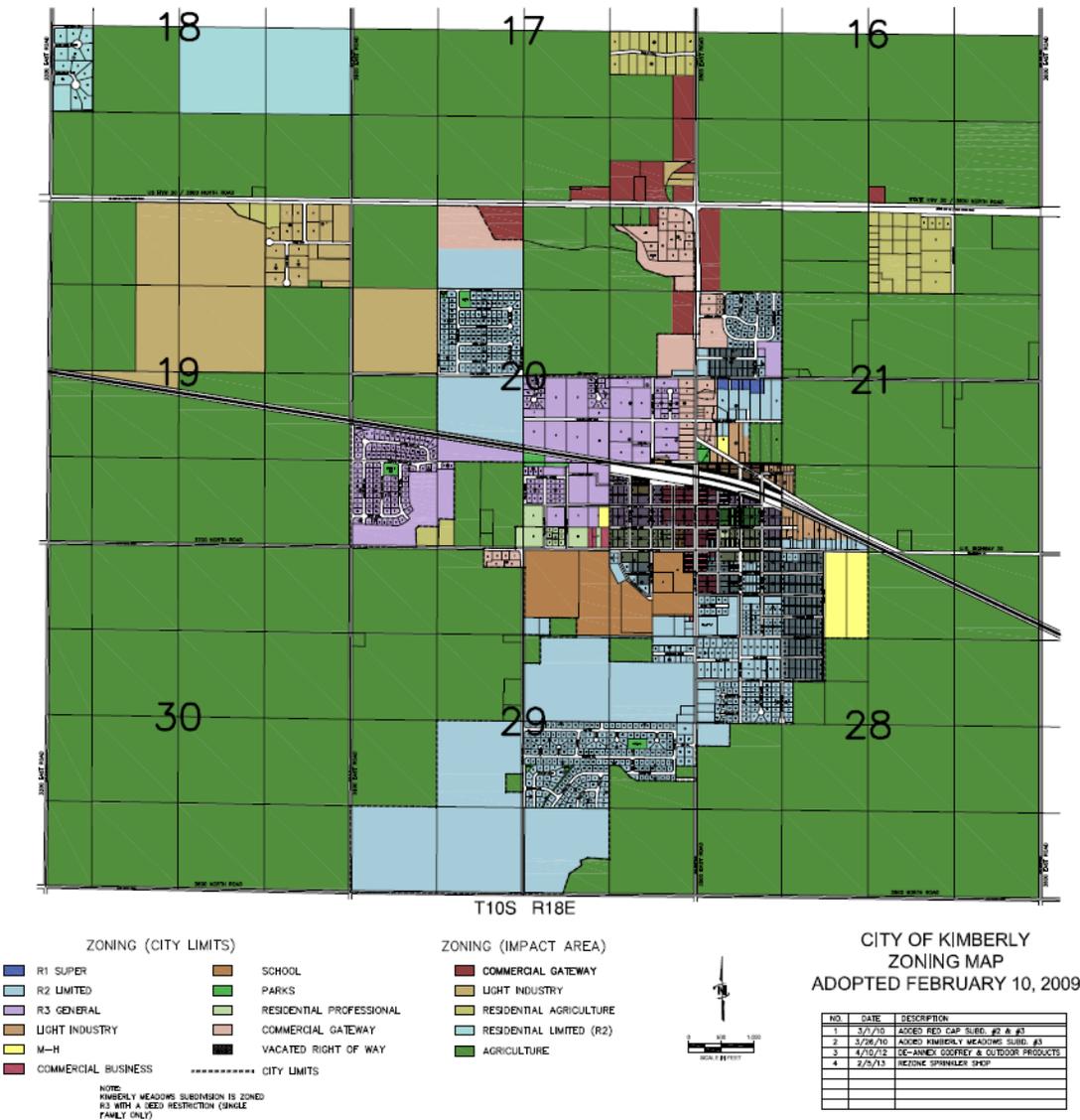


The plan area incorporates the City of Kimberly and the expected growth region around the City. A number of factors were considered in delineating the geographical boundary of the planning area, including recent developmental patterns, location of the existing water and sewer facilities, expandability of the existing water and sewer system, land use designations, topography of the area, existing impact area, and discussions with City personnel regarding areas of anticipated growth.

4.1.2 General Land Uses

Figure 4-2 shows a current zoning map for the City of Kimberly. The majority of the land use within the planning area is residential, with smaller areas of commercial and light industrial development. Much of the commercial and light industrial development is located along U.S. 30 and Center Street through Kimberly. The city park is zoned for recreational use. The area surrounding the City is zoned mostly for agriculture.

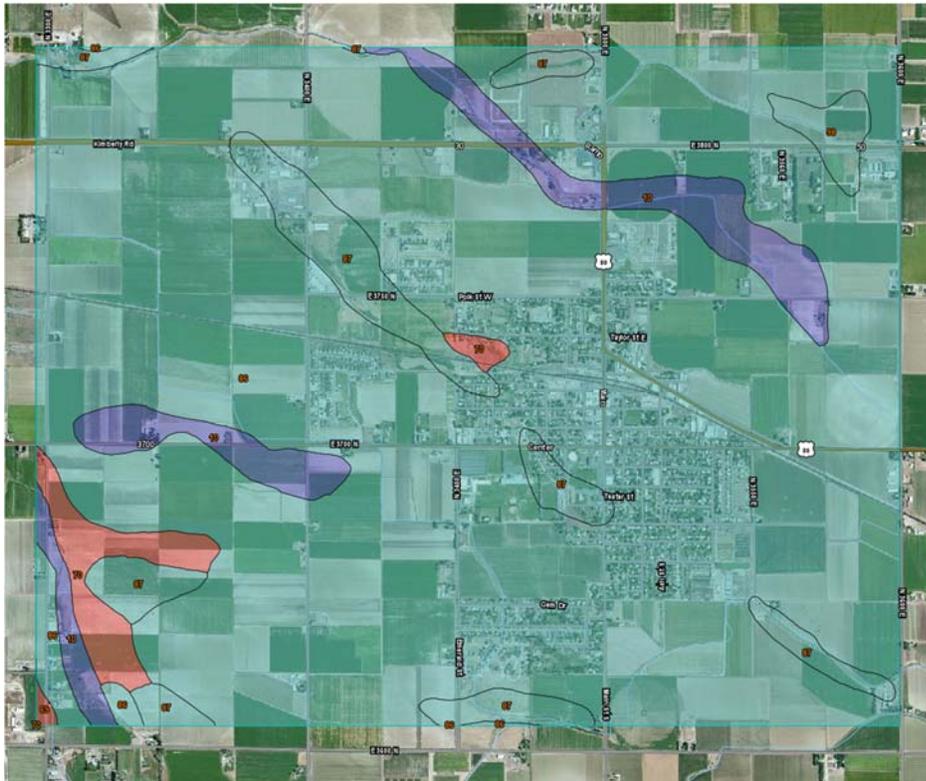
Figure 4-2. Kimberly Area Zoning Map



4.2 PRIME FARM LAND

As defined by the 1978 EPA Policy to Protect Environmentally Significant Agricultural Lands, prime farmland has the “best combination of physical and chemical characteristics for producing food, feed, forage, fiber, and oilseed crops and is available for these uses.” According the U.S. Department of Agriculture National Resource Conservation Service (NRCS), soils within the Twin Falls area considered prime farmland, if irrigated, include Bayhem silt loam (10), Portneuf silt loam (86 and 87), and Rad silt loam (98). The planning area consists of approximately 85 percent Portneuf Silt Loam and 6 percent Bayhem silt loam. The Natural Resource Conservation Service (NRCS) soil survey map is shown below **Figure 4-3**, with a legend directly below.

Figure 4-3. Kimberly NRCS Soil Survey Map

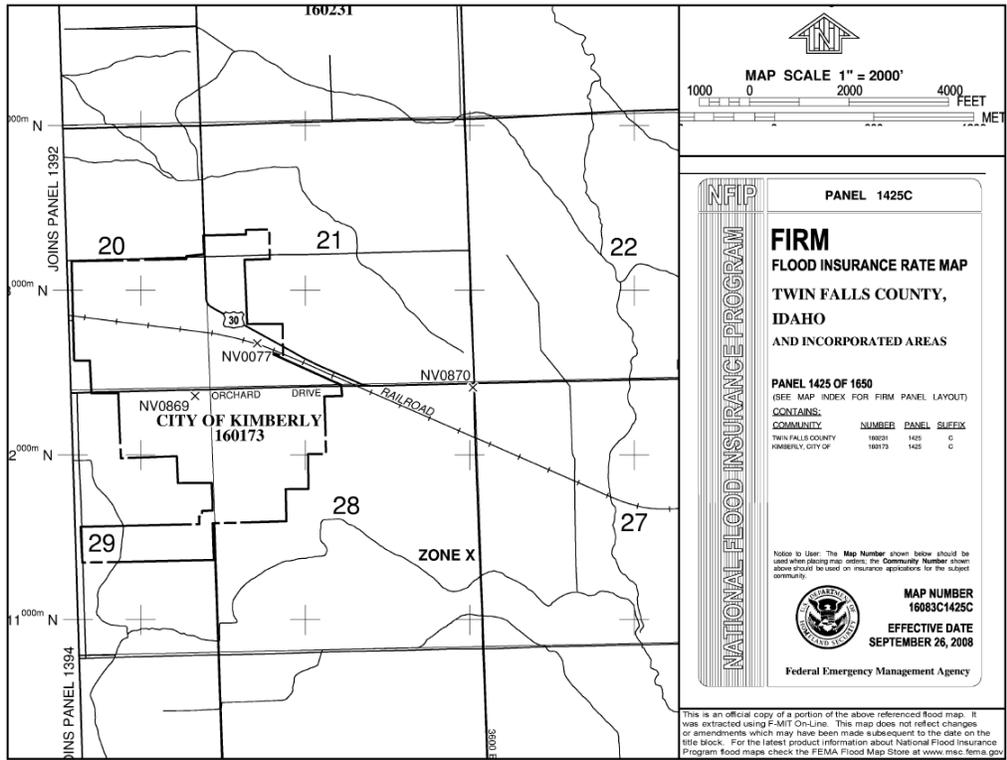


Map Unit Symbol	Map Unit Name
10	Bahem silt loam, 1 to 4 percent slopes
70	Minveno silt loam, 2 to 8 percent slopes
86	Portneuf silt loam, 0 to 2 percent slopes
87	Portneuf silt loam, 2 to 4 percent slopes
98	Rad silt loam, 0 to 2 percent slopes

4.3 FLOODPLAINS

Based on the Federal Emergency Management Agency (FEMA) flood zone maps, the City of Kimberly and the surrounding area is outside the 0.2 percent annual chance floodplain, as seen in **Figure 4-4**. According to the map, the planning area is located in Zone X flood plains and is not located within any Zone A flood plains, as evidenced by the lack of any flood hazard zones. Zone X is classified as an area that has a 0.2 percent chance of an annual flood while Zone A has a 1 percent annual chance of flooding.

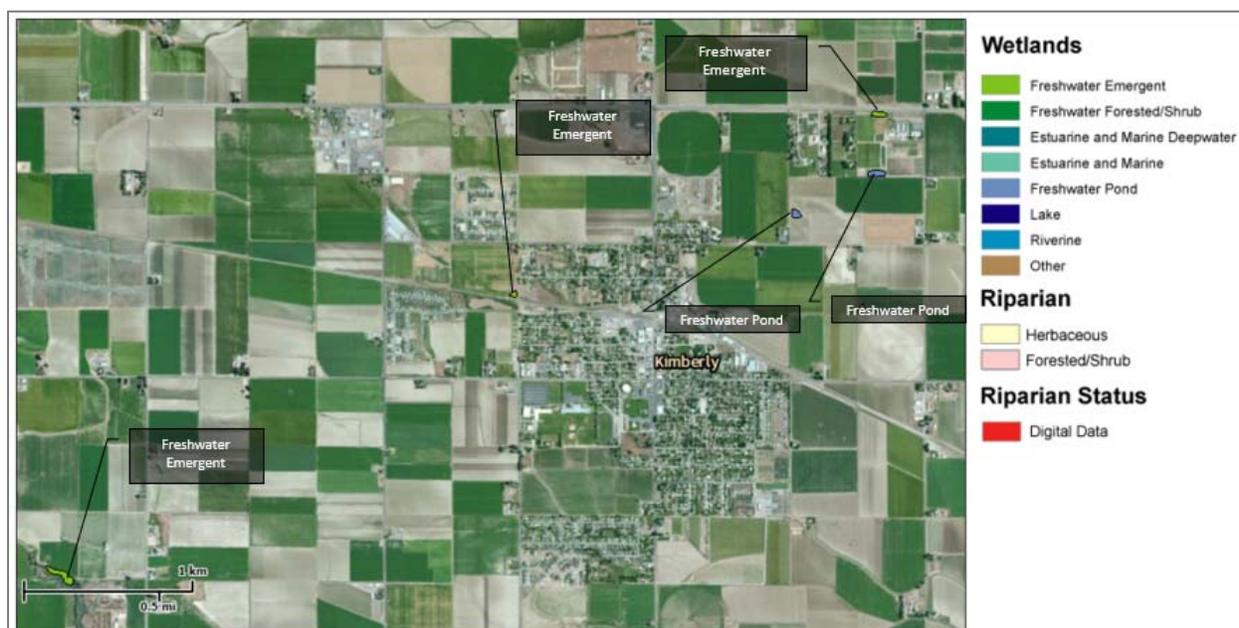
Figure 4-4. Flood Zone Map



4.4 WETLANDS

The U.S. Fish and Wildlife Service’s National Wetlands Inventory provides mapping of wetlands across the United States. The basic criteria that define wetland types are water depth and permanence, water chemistry, life form of vegetation, and dominant plant species. **Figure 4-5** shows wetland features in and adjacent to the study area.

Figure 4-5. US Fish and Wildlife Wetlands Inventory



4.5 CULTURAL RESOURCES: HISTORICAL AND NATIVE RESOURCES

Some of the first inhabitants of the Twin Falls area were Native Americans, including northern and western Shoshone and Blackfoot tribes. Wilson Price Hunt and Robert Stuart both led expeditions through the Twin Falls area in the early 1800s. The primary route taken by Robert Stuart was the beginning of the Oregon Trail, which crosses Rock Creek south of Twin Falls. Gold was discovered in the Snake River Canyon in the 1860s, and several mining camps were established. The first permanent settlements reported in the area included a rail station at Rock Creek in 1864 and a small community near Shoshone Falls in 1884.

Several agricultural operations were located in the Snake River Canyon, but use of the surrounding lands for farming was difficult due to an inadequate water delivery system. As a result, Stanley B. Milner and I.B. Perrine formed the Twin Falls Land and Water Company in 1902 to build an irrigation canal system for the area. They obtained financing under the provisions of the Carey Act of 1894 and enlisted the Buhl-Kimberly Corporation to construct Milner Dam near Murtaugh as well as the associated canal system. Construction of the dam and canals was completed in 1905, making irrigation of the dry lands outside the Snake River Canyon practical for the first time.

Kimberly began as a private enterprise by Frank Burton, George F. Peterson, James McMillan, and Peter L. Kimberly. When the project to build the town began, Mr. Kimberly was a financier and officer of the Twin Falls Land and Water Company. He died in 1905 shortly after the project was launched, leaving him as the town's namesake and his land as the origins of what is now known as Kimberly, Idaho.

The Kimberly High School and Pleasant Valley School were listed by the National Register of Historic Places for structures within the project area.

4.6 BIOLOGICAL RESOURCES: THREATENED, ENDANGERED, CRITICAL HABITATS

Plants and animals in Kimberly are typical of those found in south central Idaho. Vegetation consists of a variety of trees, shrubs, and grasses. Trees common to the area include evergreen, birch, maple, locust, poplar, Russian olive, and willows. The dominant vegetation in the area is sagebrush, fescue, and wheatgrass. Common upland game birds in the area include pheasants, partridge, quail, and sage grouse. Waterfowl such as geese and ducks are often found concentrated along the Snake River and other drainage ways. Raptors such as hawks, eagles, and owls are also found in the area. Animals common to the area include squirrels, rock chuck, fox, skunks, and coyote. Big game habitat generally does not exist because of the significant human population and soil cultivation in the area. Fish common to the area include trout and bass.

Species listed under the Endangered Species Act for Twin Falls County include the Snake River physa snail (Endangered), Bliss Rapids snail (Threatened), bull trout (Endangered), and slickpot peppergrass (Proposed Endangered) according to the Idaho Department of Fish and Game and the US Fish and Wildlife Services.

4.7 WATER QUALITY

4.7.1 Surface and Groundwater Hydrology

There are no major surface water sources in the Kimberly Planning Area. The Snake River is located approximately 4 miles north of the City while Rock Creek is approximately 3 miles southwest of the City. The Perrine Coulee and Twin Falls Canal Company Low Line Canal are approximately 2 and 3 miles, respectively, south of the City.

Very little surface water runoff is generated within the Planning Area. The little runoff that is produced follows the topography of the area and flows to the northwest. It is intercepted by agricultural land and percolates into the aquifer or flows to irrigation canals that drain to Rock Creek or the Snake River. The planning area encompasses the southern portion of the Eastern Snake River Plain Aquifer (ESRPA) south of the Snake River and the Twin Falls – Southside Tract aquifer south of the Snake River. Both aquifers are comprised of quaternary basalt flows of varying thickness, with sedimentary interbeds consisting chiefly of clay with minor gravel depositions. Water occurrence and movement in the aquifers occur within fracture zones in the basalt flows.

The aquifer is underlain by rhyolitic formations at depths of 500 to 1,000 feet below ground. On the south side, the rhyolite aquifer is an artesian geothermal system fed from deep percolation primarily occurring within the South Hills. The geothermal system is a protected resource and is not being contemplated for development by the City.

Groundwater flow within the ESRPA is generally toward the west and southwest, emerging primarily as various discrete springs from Milner to King Hill and as a distributed reach gain to the Snake River. Aquifer hydraulic conductivity in the ESRPA in the vicinity of the planning area is generally high, with estimates exceeding 1,000 ft/day based on pumping test data and calibrated values for the groundwater model developed by the State of Idaho and the Idaho Water Resource Research Institute. Depths to water generally range from 100 to 300 feet below ground.

Groundwater flow in the Southside Aquifer is generally northward toward the Snake River, emerging within the river typically as a distributed reach gain, although a few discrete springs exist along Rock Creek and in the Shoshone Falls area. Hydraulic conductivity and well productivity on the south side are generally lower and less uniform than within the ESRPA. Based on the calibrated groundwater model for the aquifer developed by the University of Idaho, hydraulic conductivity ranges from 4 to 75 ft/day. Depths to water vary widely by location on the tract, from less than 30 feet to greater than 400 feet in the southern areas.

Recharge to both aquifers occurs primarily from deep percolation from cropland irrigated with surface water. Other inputs include precipitation, tributary basin underflow, and seepage from streams and canals. Outflow from the aquifers occurs via groundwater pumping, reach gain to streams and the Snake River, sub-surface irrigation returns, and natural evapotranspiration in riparian areas. Seasonal fluctuations in water levels occur in response to natural forcings, but are primarily due to the seasonal nature of irrigation recharge. Seasonal fluctuations may range from a few feet to greater than 30 feet.

The Southside Tract aquifer underlying the City of Kimberly is considered a “General Resource” aquifer by the State of Idaho (IDAPA 58.01.11.150.02). The State of Idaho seeks to maintain and protect the existing high quality of the state’s groundwater and to prevent contamination of groundwater from regulated and non-regulated sources (IDAPA 58.01.11). IDAPA 58.01.11 states General Resource aquifers will be protected by best management practices and best practical methods. The numerical standard for protection of the general resource aquifer is the EPA primary and secondary drinking water standards. The ESRPA is a sole source aquifer by EPA Region 10.

4.7.2 Aquifer Designation

The Sole Source Aquifer (SSA) program was established under Section 1424(e) of the Safe Drinking Water Act (SDWA) of 1974. The program allows individuals and organizations to petition the EPA to designate aquifers as the "sole or principal" source of drinking water for an area. To meet the criteria for designation, a sole source aquifer must supply at least 50 percent of the drinking water consumed in the area overlying the aquifer. The EPA guidelines also stipulate that these areas can have no alternative drinking water source(s) which could physically, legally, and economically supply all those who depend upon the aquifer for drinking water. The SSA program provides federal overview of federally-funded projects within the designated area to determine their potential for contaminating the aquifer. Projects and land uses which are not federally-funded are not subject to EPA overview. Region 10 of EPA has designated the Eastern Snake River Plain Aquifer as a sole source aquifer.

4.7.3 Water Quality

Currently, the City of Kimberly obtains its drinking water from five deep wells. The drinking water is then chlorinated with sodium hypochlorite prior to distribution. The Public Works Departments regularly monitors the drinking water for potential contaminants, ensuring safe drinking water.

4.7.4 Multijurisdictional Agreements with Twin Falls

The City of Kimberly discharges wastewater to the City of Twin Falls under multijurisdictional agreements (MJAs) between the two entities. The 1987 agreement is the most recent document defining discharge limits from the City of Kimberly. The permitted discharges from the 1987 agreement are summarized in **Table 4-1**.

Table 4-1. Permitted Discharge Levels per the 1987 Agreement

Parameter	Condition	Limit
Flow	Maximum 30-day Average	0.600 mgd
	Maximum 24-hour Average	0.750 mgd
BOD	Maximum 7-day Average	1,100 ppd
	Maximum 24-hour Average	1,375 ppd
TSS	Maximum 30-day Average	1,100 ppd
	Maximum 24-hour Average	1,375 ppd

4.8 SOCIO-ECONOMICS AND ENVIRONMENTAL JUSTICE

The area's economy is based primarily on the agricultural and service industries. The City serves as a residential community primarily for the City of Twin Falls. The City possesses many features, such as grocery stores, restaurants, service stations, beauty shops, banks, schools, and others, that are included in larger cities. Many of the City's residents also commute to Twin Falls for work. A summary of the information from the 2010 census is shown in **Table 4-2**.

For the period 2008-2012 (American Community Survey / US Census Bureau) the median family income in Kimberly, Idaho was \$42,764, while the State of Idaho was \$47,015. Approximately 13 percent of the residents in Kimberly had incomes below poverty level compared to a statewide average of 15 percent.

Table 4-2. Socio-Economic Summary from 2010 Census

Parameter	Value ^(a)
Sex	
Male	49.6%
Female	50.4%
Total Population	3,264
Age	
Under 5 Years	10.1%
5 to 14 Years	17.4%
15 to 19 Years	7.2%
20 to 24 Years	5.7%
25 to 34 Years	14.3%
35 to 44 Years	12.5%
45 to 54 Years	12.5%
55 to 64 Years	9.2%
65 to 74 Years	5.7%
75 to 84 Years	4.1%
85 Years and Over	1.3%
Median Age	31.9
Race and Ethnicity	
Caucasian	91.8%
Black or African-American	0.2%
American Indian and Alaska Native	1.0%
Asian	0.3%
Native Hawaiian and Other Pacific Islander	0.1%
Two or More Races	2.0%
Other Race	4.7%
Hispanic or Latino Ethnicity	12.5%
Not of Hispanic or Latino Ethnicity	87.5%
Education for Population 25+	
Less than 9 th Grade	3.6%
9 th to 12 th Grade, No Diploma	12.3%
High School Graduate	25.2%
Some College, No Degree	34.9%
Associates Degree	10.2%
Bachelor's Degree	8.5%
Graduate Degree	5.3%
Housing	
Total Households	1,123
Average Household Size	2.87
Vacant Housing Units	5.6%
Owner Occupied Housing Units	77.7%
Renter Occupied Housing Units	22.3%

^(a) Data from U.S. Census Bureau for 2010

4.9 AIR QUALITY AND NOISE

EPA has developed standards for monitoring and protecting air quality. Coarse particulate and fine particulate are measured using a variety of methods in Idaho. IDEQ is responsible for implementing, monitoring, and enforcing the air quality standards within Idaho. An area that exceeds the air quality standards is considered to be a “non-attainment area” (NAA) for a particular component, or total air quality. There are currently four NAAs in Idaho, the closest being the Northern Ada County and Portneuf Valley NAAs. As such, the Kimberly Planning Area is currently not located within a NAA.

Residents in Kimberly generally feel that air quality is excellent and cite this amenity as one of the area’s quality of life factors. Kimberly is well removed from any major urbanized areas, and there are very few sources of pollution in the immediate vicinity. Local automobile emissions, agricultural activities, and light commercial are the primary contributors to air quality degradation. Additionally, high levels of particulate matter may be experienced during certain weather events, during certain times of the agricultural season due to farming practices, or during certain periods from the airport.

Noise in Kimberly is generally limited to normal residential activities, traffic flow, and commercial activities. Due to the size of the City, many of the residents do not typically experience noise that is generated in larger cities.

4.10 TRANSPORTATION: TRAFFIC, AIRPORT CLEARANCE, ACCIDENT ZONES

The City of Kimberly completed a transportation plan in 2013. Vehicular traffic is the most common mode of transportation in the City. Other forms of transportation include bicycle and pedestrian facilities and the railroad, which passes through the north end of Kimberly, and large trucks on State Highway 30 and nearby Interstate 84.

Kimberly is located approximately 7 miles from the Joslin Field - Magic Valley Regional Airport to the southeast. Taxis and buses are available to the airport, as well as other nearby locations.

For 2013 there were four fatal accidents, with three involving alcohol and four total fatalities.

4.11 PHYSICAL ASPECTS: TOPOGRAPHY, GEOLOGY, SOIL

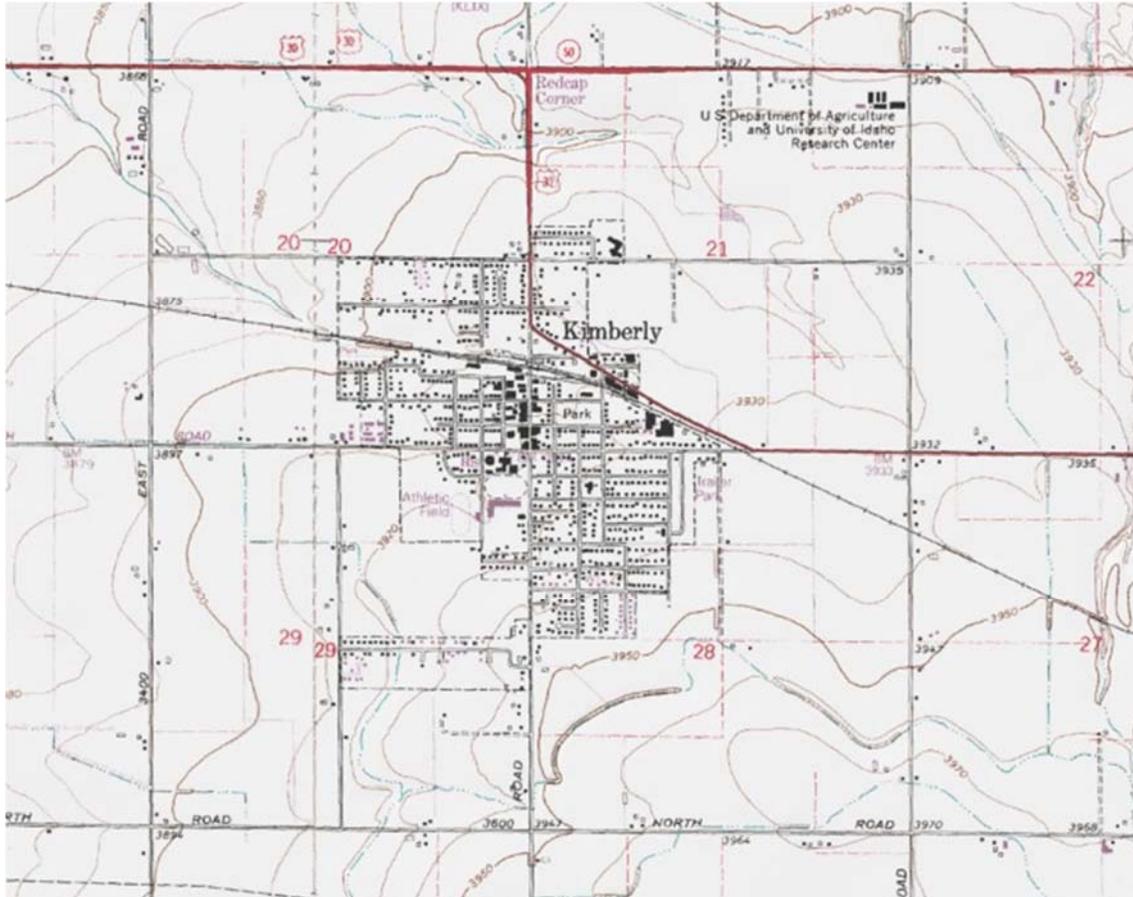
The topography of the Kimberly planning area is depicted on the U.S. Geologic Survey (USGS) topographic map shown on **Figure 4-6**. As shown on the map, the Planning Area consists of relatively flat land with a gradual downward slope towards the Snake River Canyon. The ground surface elevation across the planning area ranges from approximately 3,950 to 3,870 feet above mean sea level (msl).

The City of Kimberly is located within the Snake River Plain, a major late Cenozoic tectonic/volcanic plain that extends across southern Idaho for roughly 300 miles in a crescent shape. The plain is divided into two main sections identified as the Western and Eastern Snake River Plain that meet near Hagerman, Idaho. The Kimberly planning area is located within the Eastern Snake River Plain.

According to Idaho State University, the Eastern Snake River Plain is a northeast trending lowland underlain by rhyolitic volcanic fields with nested calderas less than 12 million years old and a thin cover of basalt less than 2 million years old. The basalt consists of a series of Quaternary olivine basalt flows,

each averaging 20 to 25 feet in thickness. The total thickness of the basalt is as much as 5,000 feet in some areas. The top of each basalt flow, generally less than 6 feet thick, is highly vesicular and broken, and has high hydraulic conductivity. Quaternary basalt in the eastern plain is typically within a few feet of land surface. Near the margins of the plain, the basalt is interbedded with unconsolidated sediments.

Figure 4-6. Topographic Map



The eastern plain is bounded by steep north/northwest-trending basin and range mountains with agricultural valleys between. The volcanic fields are progressively younger to the northeast towards the Yellowstone Plateau, reflecting the southwest movement of North America over a fixed mantle plume.

The Natural Resource Conservation Service (NRCS) soil survey map was used to determine the soil characteristics and geology within the planning area. **Table 4-3** presents the summary of the soil characteristics within the planning area. These soil types are primarily suitable for irrigated cropland and rangeland, with many of the soils being found to have between 0 to 8 percent slopes.

Table 4-3. NRCS Soil Characteristics within Study Boundary

Soil Map Unit	Description	Slope	Depth Class (inch)	Drainage Class	Permeability	Available Water Capacity	Potential Rooting Depth	Runoff
10	Bahem Silt Loam	1-4%	Very Deep	Well Drained	Moderate	10- in	>60 in	Slow
70	Minveno Silt Loam	2-8%	Shallow	Well Drained	Moderate	2-4 in	10-20 in	Medium
86	Portneuf Silt Loam	0-2%	Very Deep	Well Drained	Moderately Slow	10.5-11.5 in	>60 in	Slow
87	Portneuf Silt Loam	2-4%	Very Deep	Well Drained	Moderately Slow	10.5-11.5 in	>60 in	Slow
98	Rad Silt Loam	0-2%	Very Deep	Well Drained	Moderate	10-11 in	>60 in	Slow

According to information from Idaho State University, the eastern Snake River Plain is a northeast trending lowland underlain by rhyolitic volcanic fields with nested calderas less than 12 million years old, and a thin cover of basalt less than 2 million years old. The basalt consists of a series of Quaternary olivine basalt flows, each averaging 20 to 25 feet in thickness; total thickness is as much as 5,000 feet. The top of each basalt flow, generally less than 6 feet thick, is highly vesicular and broken, and has high hydraulic conductivity. Quaternary basalt in the eastern plain is typically within a few feet of land surface. Near the margins of the plain, basalt is interbedded with unconsolidated sediments. The eastern plain is bounded by steep north-northwest trending basin and range mountains, with agricultural valleys between. The volcanic fields are progressively younger to the northeast towards the Yellowstone Plateau, reflecting the southwest movement of North America over a fixed mantle plume.

4.12 CLIMATE

Kimberly has a semi-arid climate typical of southern Idaho. **Table 4-4** summarizes historical temperature, precipitation, snowfall, and evaporation data for the planning area. January is historically the coldest month, with an average temperature of approximately 28.0° F, while July is historically the warmest month at 69.2° F. Most of the annual precipitation falls as snow during the winter months. The warm summer temperatures combine with low relative humidity to produce an annual evaporation rate of approximately 45 inches. The prevailing wind direction in the area is from the west to southwest, and the average wind speed is approximately 5 to 7 mph. Tornadoes and funnel clouds are rare as are destructive force winds.

Table 4-4. Monthly Climatic Data

Month	Mean Temperature ^(a) (° F)	Mean Precipitation ^(a) (in)	Mean Snowfall ^(a) (in)	Mean Evaporation ^(b) (in)
January	28.0	1.22	6.6	0.23
February	32.3	0.80	4.7	0.68
March	39.6	1.08	3.0	1.80
April	46.1	1.07	1.4	3.60
May	54.5	1.28	0.5	6.30
June	62.2	0.89	0.0	6.75
July	69.2	0.28	0.0	7.65

August	67.8	0.48	0.0	7.20
September	58.8	0.61	0.1	4.50
October	48.6	0.68	0.2	2.70
November	37.0	1.17	3.5	2.25
December	28.4	1.25	6.3	1.34
Annual	47.7	10.8	26.3	45.00

(a) Monthly averages from the Western Regional Climatic Center for weather monitoring station Twin Falls WSO 2 (1963 – 2005) (www.wrcc.dri.edu/summary/climsmid.html)

(b) From “Monthly Shallow Pond Evaporation in Idaho”, Molnau, Kpordze and Craine, 1992, ASAE Paper PNW 92-111 (Region 3)

4.13 POPULATION GROWTH

Population forecasts for the City of Kimberly were developed for the 20-year planning period based on historical growth patterns, current development interests, and discussions with City personnel. Ultimately, the City of Kimberly selected a growth rate of 2.7 percent per year over the next 20 years. The existing 2013 population of 3,536 is therefore anticipated to increase to 6,025 by the year 2034. This growth rate could vary significantly depending on current and future policy for development in the City and growth in the surrounding area such as Twin Falls.

4.14 WILD AND SCENIC RIVERS

The Wild and Scenic Rivers Act, as promulgated by Congress on October 2, 1968, states that “...certain selected rivers of the Nation which, with their immediate environments, possess outstandingly remarkable scenic, recreational, geological, fish and wildlife, historical, cultural, or other similar values, shall be protected for the benefit and enjoyment of present and future generations.” Rivers in Idaho currently designated as wild and/or scenic include the following:

- Battle Creek
- Big Jacks Creek
- Bruneau River
- Clearwater River (Middle Fork)
- Cottonwood Creek
- Deep Creek
- Dickshooter Creek
- Duncan Creek
- Jarbridge River
- Little Jacks Creek
- Salmon River
- Sheep Creek
- Snake River (Hells Canyon)
- Selway River
- St. Joe River
- Wickahoney Creek
- Rapid River
- Red Canyon
- Owyhee River (North and South Fork)

No surface water sources within the Kimberly area are classified as wild and/or scenic.

4.15 RECREATION AND OPEN SPACES

There are no State or Federal recreation open spaces, parks, or areas of recognized scenic or recreational value within the Project Area. The City owns several parks and recreation areas in or nearby the City.

4.16 ENERGY AND ENERGY EFFICIENT DESIGNS

A majority of the population in the Planning Area consumes energy in the form of electricity, natural gas, propane, and/or fuel oil. A few residents may also use wood or pellet stoves for heating purposes. There are no known energy producing facilities within the Planning Area.

A large percentage of the State of Idaho's power demand is supplied by hydroelectric power, which is a renewable energy source. There are no additional alternative energy sources that could be used for this project. The City constantly looks for energy saving opportunities when replacing equipment or updating buildings.

4.17 REGIONALIZATION

There are no known jurisdictional disputes or controversies over the project or within the Project Area. Intermunicipal agreements have not been signed relating to this project.

4.18 HAZARDOUS MATERIALS

The existing and proposed new water facilities improvements are intended to serve residential, institutional, commercial and industrial customers within the City of Filer. There are no explosives, flammable fuels, or chemical containers in the project area, with the exception of gasoline and natural gas pipelines. Natural gas lines will be located prior to construction.

4.19 COASTAL RESOURCES

There are no Coastal resources within the state of Idaho.

4.20 PUBLIC HEALTH

There are currently minimal public health issues related to the existing water and wastewater systems in the planning area. Currently, Kimberly conveys wastewater to the City of Twin Falls for treatment and does not treat any of its wastewater. However, this may change in the future based on alternatives under consideration within this study.

5.0 ENVIRONMENTAL IMPACTS AND MITIGATION

5.1 GENERAL LAND USE

The planned improvements to the wastewater collection system are generally in accordance with the land use plans for the City of Kimberly.

Since the improvements will take place on ground that has previously been disturbed, it is anticipated that impacts on agricultural lands, cultural resources, wetlands, or wildlife will be minimal.

5.2 PRIME FARMLAND

The planned improvements will pass through several areas with soils designated as “prime farmland”. However, the construction activities will be limited to existing right-of-ways and City-owned property where the soils have previously been disturbed due to construction activities. Many of these areas are also currently being used for purposes other than farmland (e.g., streets, housing developments, etc.) and will likely not be used for farming in the future. As a result, construction of the improvements should not have impacts on potential prime farmland and no mitigation measures are required.

5.3 FLOODPLAINS

There are no areas designated as Zone A flood zones within the Planning Area; however, base flood elevations and flood hazard factors have not been determined. The map does not address the 25 and 50 year flood plains.

The Idaho State Floodplain Coordinator with IDWR was consulted and reported that:

“The City of Kimberly does not participate in the National Flood Insurance Program (NFIP), therefore I have no comments on this project.”

In general, it appears that the construction activities will not result in changes to any designated floodplains and flooding is not anticipated to be an issue during construction. If necessary, however, permits will be obtained from the City and/or County.

5.4 WETLANDS

It does not appear that any of the proposed improvements are anticipated within the designated wetland areas. Construction activities will be limited to existing right-of-ways and City-owned properties that do not have wetlands associated with them.

5.5 CULTURAL RESOURCES: HISTORICAL PLACES AND NATIVE RESOURCES

There are no known direct or indirect impacts to the cultural resources or historic properties in the project planning area from construction of the proposed improvements. Historical buildings identified in the planning area are not located in the project area.

The Native American tribes were directly consulted about the proposed project and the Shoshone-Paiute Tribe indicated that the entire area has been pre-disturbed and the probability of encountering Native American sites is low. No response was received from the Shoshone-Bannock Tribe.

In their March 25, 2016 and again in their April 18, 2016 response, SHPO indicated that:

“There are no known historic properties in the area of potential effect and the likelihood of any undiscovered historic properties that could be adversely affected is very low due to the nature of the undertaking and its location in a significantly disturbed area.”

Given this information, no mitigation is required. If anything is discovered, all work will stop immediately and the Tribes and/or SHPO will be contacted.

5.6 BIOLOGICAL RESOURCES: THREATENED, ENDANGERED, CRITICAL HABITAT

Some minor disturbance to flora (vegetation) may occur during construction in yards adjacent to the collection system improvements work. Disturbances to vegetation will be mitigated by re-vegetating affected areas. Efforts will be undertaken to reconstruct, replant, and landscape disturbed areas to their former condition.

U.S. Fish and Wildlife Service replied by email on April 11, 2016, reporting that:

“Given the location of the proposed construction, and that the proposed construction area is already highly disturbed and developed, the Fish and Wildlife Service does not anticipate significant impacts to occur to trust resources of conservation concern.”

Additionally, the proposed project is not located within Essential Fish Habitat (EFH) areas for salmon. Therefore, the improvements will have no effect on EFH areas.

5.7 WATER QUALITY

Replacement of deteriorated sewer collection mains will help to ensure the protection of ground water resources.

Suitable stormwater BMP's will be implemented during construction. In addition the proposed construction will be evaluated to determine if there is a need for coverage under EPA's Construction General Permit in regard to stormwater discharges.

In general, the proposed improvement will have very little direct or indirect impacts to the surface or groundwater quality and, therefore, no permanent mitigation is required.

5.8 SOCIO-ECONOMICS AND ENVIRONMENTAL JUSTICE

It appears that no disadvantaged group will be adversely affected by the wastewater collection system improvement project. In addition, it is not expected that any specific population segment will preferentially benefit from the improvement project. In general, the entire community will reap the benefits of the improvements to the collection system. As such not mitigation measure are anticipated.

5.9 AIR QUALITY AND NOISE

Air quality may be impacted by the improvements due to dust and exhaust emissions from construction equipment, which may produce minor increases in air pollution. Debris created by construction should not be burned, but transported to a disposal area to avoid further air pollution. The impacts of

construction dust can be mitigated by ceasing activity during exceptionally windy conditions and by using watering equipment.

The project will not create exceedances of any federal or state emission standards in the area and should not cause a violation of National Ambient Air Quality Standards (NAAQS).

Noise in Kimberly is generally limited to normal traffic and commercial activities in the area. Construction of the improvements will likely temporarily increase the noise levels throughout the project area. Heavy equipment and machinery will be used during construction, resulting in increased noise levels. However, construction activity will be limited to normal working hours to reduce the noise impacts on residential areas. In addition, construction noise should be temporary and can be minimized by the use of well-maintained equipment and mufflers.

5.10 TRANSPORTATION: TRAFFIC, AIRPORT CLEARANCE, ACCIDENT ZONE

There are no airports within the project area, but a railroad goes through. No mitigation will be required for these items. However, construction of the improvements may have an impact on traffic patterns. These impacts will be minimized by implementing a traffic control plan during construction, as necessary. The traffic control plan will be reviewed and approved by the appropriate local, state, and federal agencies. Care should be taken when working near railroads to promote safety to the workers and community.

5.11 PHYSICAL ASPECTS: TOPOGRAPHY, GEOLOGY, SOIL

The selected improvements do not affect any of the physical aspects of the project area or the community of Kimberly. Therefore, no mitigation measures are required. The improvements will be constructed in existing right-of-ways and on City-owned property. The selected improvements will be configured and designed to accommodate the physical aspects of the site.

5.12 CLIMATE

Climate conditions are not expected to result in a concentration of air pollutants leading to an identified air quality problem or violation of any NAAQS as a result of construction. There are no identified meteorological constraints that would affect the feasibility of the selected improvements. Therefore, no mitigation measures are planned.

5.13 POPULATION GROWTH

Although Kimberly is located within an agricultural area, the Planning Area experiences little, if any, seasonal population fluctuations due to an influx of migrant or other workers. The Planning Area does not contain a migrant labor center, as do some other southern Idaho communities. As a result, almost all migrant and/or seasonal workers are housed on the farms on which they are employed, most of which are located outside of the Planning Area.

If the improvements do not occur, the pipes would be left in place and continue to operate under the existing conditions. The existing concrete pipes will continue to deteriorate and will require significantly more maintenance. In addition the City will experience additional line collapses and line blockage due to the deteriorated condition of the lines. These wastewater collection system deficiencies could potentially impact population and economic growth in the community.

5.14 WILD AND SCENIC RIVERS

No surface water sources within the Kimberly project area are classified as Wild and Scenic rivers. Therefore, there will be no impacts and no mitigation measures are planned.

5.15 RECREATION AND OPEN SPACES

Although there are recreational open spaces, parks, or areas of recognized scenic or recreational value within and around the City of Kimberly, none occur in the project area. Therefore, the selected improvements will not eliminate or modify any designated recreational open space, park, or area of recognized scenic or recreational value, and as such there are no planned mitigation measures.

5.16 ENERGY AND ENERGY EFFICIENT DESIGN

The proposed project is for the replacement of existing gravity wastewater collection system pipes. Thus there are no energy recovery elements included in the improvements.

5.17 REGIONALIZATION

There are no jurisdictional disputes or controversies over the project or within the project planning area. Intermunicipal agreements have not been signed relating to this project. The improvements should not impact existing agreements or create jurisdictional disputes.

5.18 HAZARDOUS MATERIALS

The selected improvements are intended to serve residential, institutional, and commercial customers within the City of Kimberly. No explosives, flammable fuels, or chemical containers are expected to be used during construction.

5.19 COASTAL RESOURCES

There are no Coastal resources within the state of Idaho. Therefore, there will be no impacts from the improvements.

5.20 PUBLIC HEALTH

Open trenches, electrical utilities and heavy equipment may present health and safety hazards during construction. These hazards may be mitigated by educating project personnel about the applicable health and safety regulations and establishing safe operating procedures. Overall, the proposed improvements will improve public health by reducing arsenic levels in the drinking water, improving water pressure across the system, and allowing the water system to remain functional during power outages.

Additionally, Idaho Department of Environmental Quality was contacted and reported that:

“...it is our opinion that areas adjacent to and within the impact area may experience short term adverse conditions, such as increased stormwater runoff, dust and noise pollution, traffic and parking disruption, mechanical hazards and water and sewer service disruption.”

Therefore, suitable stormwater best management practices and site watering equipment and reasonable working hours will be implemented during construction. Additionally, DEQ has refrained

from making a comment at this time about the prolonged or permanent environmental and historical impacts.

5.21 SUMMARY OF IMPACTS AND MITIGATION MEASURES

Table 5-1 Summary of Impacts and Mitigation Measures

Category	Environmental Impacts	Mitigation Measures	Effects/Impacts
Physical aspects (topography, geology, and soils)	The improvements will be constructed in existing right-of-ways and on City-owned property. It is not anticipated that physical aspects of the land will be affected.	None	None
Climate	Construction is not expected to result in increased air pollutants leading to a violation of any NAAQS. There are no identified meteorological constraints that would affect the feasibility of the selected improvements.	None	None
Population	The planned improvements will correct existing system deficiencies.	None	None
Economics and social profile	None	The costs and benefits from the project will accrue in a non-discriminatory manner.	Long term, direct
Land use	The planned improvements are generally in accordance with land use plans. The improvements will be constructed on city-owned property or city right-of-way.	Since the improvements will take place on ground that has previously been disturbed, it is anticipated that impacts on agricultural lands, cultural resources, and wildlife will be minimal. No mitigation measures are required.	None
Floodplain development	There are no areas designated as Zone A flood zones within the planning area; however, base flood elevations and flood hazard factors have not been determined. The map does not address the 25 year and 50 year flood plains.	So long as the development occurs outside the mapped Special Flood Hazard Area, IDWR has no comments regarding environmental concerns. If necessary, however, permits will be obtained from the City and/or County.	Short term, direct
Wetlands and Waters of the U.S.	Construction activities will be limited to existing right-of-ways and City-owned properties that do	None	None

	not have wetlands associated with them.		
Wild and scenic rivers	No surface water sources within the Kimberly project area are classified as Wild and Scenic rivers.	None	None
Cultural resources	There are no known direct or indirect impacts to the cultural resources or historic properties in the project planning area from construction of the proposed improvements. Historical buildings identified in the planning area are not located in the project area. The Native American tribes were directly consulted about the proposed project.	The project will have no effect on cultural and historic resources. Therefore, no mitigation measures are required. If anything is discovered, all work will stop immediately and the Tribes and/or SHPO contacted.	None
Flora and fauna	Some minor disturbance to flora (vegetation) may occur during construction of the wastewater collection system improvements.	DEQ stated that based on the specific locations of the proposed improvements the project isn't likely to adversely affect any threatened, endangered or candidate species in the area. Disturbances to vegetation will be mitigated by re-vegetating affected areas. Efforts will be undertaken to reconstruct, replant, and landscape disturbed areas to their former condition.	Short term, direct
Recreation and open space	It is not anticipated that any parks or recreation spaces will be disturbed during construction.	None	None
Agricultural lands	The construction activities will be limited to existing right-of-ways and City-owned property where the soils have previously been disturbed. These areas are currently being used for purposes other than farmland (e.g., streets, alleys, etc.)	Construction of the improvements should not have impacts on potential prime farmland and no mitigation measures are required.	None
Air quality	Air quality may be impacted by the improvements due to dust and exhaust emissions from construction equipment, which may produce minor increases in air pollution. The project will not create exceedances of any federal	Dust control will be minimized, when possible, by dampening roads with water or by other methods. The impacts of construction dust can be mitigated by ceasing activity during exceptionally windy	Short term, direct

	or state emission standards in the area and should not cause a violation of National Ambient Air Quality Standards (NAAQS).	conditions and by using watering equipment. Debris created by construction should not be burned, but transported to a disposal area to avoid further air pollution.	
Energy	No changes to energy consumption beyond the construction activities will occur from the improvements.	None	None
Regionalization	There are no jurisdictional disputes or controversies over the project or within the project planning area. Intermunicipal agreements have not been signed relating to this project.	None	None
Water quality	No concerns	The proposed improvements project will have very little direct or indirect impacts to the surface or groundwater quality. No mitigation measures are required.	None

6.0 CORRESPONDENCE AND COORDINATION

6.1 AGENCIES

Several public agencies were sent letters on March 10, 2016 requesting that they review the proposed project and provide a response regarding potential environmental impacts. The letters included a project description and map of the proposed improvements. Subsequently a second letter was sent to the same public agencies on April 5, 2016 with a revised map that includes additional sewer mains that may be replaced. Copies of the letters sent to the agencies can be found in **Appendix A**. Copies of the agencies response comments can be found in **Appendix B**. **Table 6-1** provides a summary of the list of agencies consulted and their comments.

6.2 REFERENCES

J-U-B ENGINEERS, Inc. *City of Kimberly 2015 Wastewater Facilities Plan*

Federal Emergency Management Agency (FEMA), Map Service Center, Flood maps,

Labor Market Information System, Idaho Department of Labor,

Natural Resources Conservation Service, Web Soil Survey,

U.S. Census Bureau, 2010,

U.S. Fish and Wildlife Service, National Wetlands Inventory,

Table 6-1. Agency Mailing List and Summary of Agency Responses

Agency	Date and method of approval¹	Comments
U.S. Army Corps of Engineers	Email 04/08/2016	Corps is funding the project, environmental compliance and review done by USACE Civil Works.
EPA, Idaho Operations Office	Email 04/11/2016	No substantial comments. Evaluate the proposed construction associated with the project and determine if need for coverage under EPA's Construction General Permit.
DEQ, Idaho Department of Environmental Quality	Letter 04/21/2016	Request that suitable stormwater BMPs, site water equipment and reasonable working hours be implemented. Additionally, DEQ refrains from commenting at this time on prolonged or permanent environmental and/or historical effects.
IDWR, Floodplain Management	Email 04/11/2016	The City of Kimberly does not participate in the National Flood Insurance Program (NFIP), therefore I have no comments on this project.
Idaho State Historical Society/State Historic Preservation Officer	Email 03/25/2016 Email 04/18/2016	There are no known historic properties in the area of potential effect and the likelihood of any undiscovered historic properties that could be adversely affected is very low due to the nature of the undertaking and its location in a significantly disturbed area.
Shoshone-Bannock Tribe		A letter was sent on March 10, 2016. No response was received. Attempt to contact by phone on May 3, 2016. There was no answer.
Shoshone-Paiute Tribe	Email 03/21/2016 Email 04/12/2016	Site is pre-disturbed, so low probability of encountering Native American sites. To be notified if site discovered.
USFW, U.S. Fish & Wildlife	Email 04/11/2016	Pre-disturbed land. No significant impacts.
Idaho Department of Fish and Game	No Response	
USDA-Natural Resources Conservation Service	Email 04/04/2016	As this land is already committed to urban development and utilizes existing rights of way, concerns regarding prime farmland and the Farm Protection Policy Act do not apply.
National Marine Fisheries (NOAA)	Email 03/21/2016	NMFS does not have any listed species in project area.
Idaho Department of Agriculture	No Response	
City of Kimberly Planning and Zoning	No Response	
City of Kimberly Public Works	No Response	

¹ See appendix A for the addresses, original letters sent, and those letters and emails received from each agency.

APPENDIX A LETTERS SENT TO AGENCIES



J-U-B ENGINEERS, INC.

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April 5, 2016

Ms. Carolyn Boyer Smith
Shoshone-Bannock Tribes
P.O. Box 306
Fort Hall, ID 83203

RE: City of Kimberly Wastewater Collection System Improvement Project – Request for Comments for Preparation of an Environmental Information Document – Revised Project Map

Ms. Carolyn Boyer Smith,

The City of Kimberly is now in the preliminary design phase of replacing part of their wastewater collection system which will be funded by the U.S. Army Corps of Engineers and the City of Kimberly. A letter dated March 10, 2016 was previously sent out requesting comments for the preparation of an environmental information document. Due to the current bidding climate it has been determined that the funding may cover additional sewer collection lines than were identified in the previous letter. The purpose of this letter is to request your review and response regarding any environmental impacts that your agency may identify for this proposed project including the additionally added lines.

The revised proposed wastewater collection system improvement project is located in the City of Kimberly (Twin Falls County, Idaho) and consists of the following improvements:

- Open-cut and replace approximately 2,590 lineal feet of deteriorating sewer pipe along Wilson Road, Monroe Street West and in an alley between Main Street North and Chestnut Street North perpendicular to Monroe Street East.
- As funds allow, an additional approximate 4,090 lineal feet of sewer line could be replaced using open-cut methods along Monroe Street East, in an alley between Oak Street North and Elm Street North, in an alley between Chestnut Street North and Birch Street, along the east end of Center Street East, on Sage Street and on the east ends of Washington Street and Lincoln Street.

The project is being proposed to address deteriorating wastewater collection lines. The open-cut method of replacing a collection line involves digging a trench along the existing line, temporarily blocking the line and/or by-pass pumping the wastewater flow around the work area, removing the existing line, placing a new line in the same trench and reconnecting existing sewer services. The slope of the new line may be adjusted to improve the flow characteristics of the system. The trench is then back-filled and any existing surface is repaired (ie asphalt, gravel, etc). Existing manholes between collection line replacement segments will be evaluated for proper elevation and for structural integrity and will be replaced as needed. Enclosed is a map of the area that depicts the proposed project improvements and area of potential effect for all construction activities.



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We request that you advise us of any comments that you may have regarding this project within thirty (30) days, so the City of Kimberly can proceed with the completion of the project.

If you have any questions concerning this proposed project or if you need any further information, please contact Tracy Ahrens at taa@jub.com or 208-733-2414 at your convenience.

Sincerely,

Tracy A. Ahrens, P.E.
Project Manager

Encl: City of Kimberly Proposed Collection System Improvements Project Map – Revised 3/31/2016



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April 5, 2016

Mr. Ted Howard
Shoshone-Paiute Tribes
P.O. Box 219
Owyhee, NV 89832

RE: City of Kimberly Wastewater Collection System Improvement Project – Request for Comments for Preparation of an Environmental Information Document – Revised Project Map

Mr. Ted Howard,

The City of Kimberly is now in the preliminary design phase of replacing part of their wastewater collection system which will be funded by the U.S. Army Corps of Engineers and the City of Kimberly. A letter dated March 10, 2016 was previously sent out requesting comments for the preparation of an environmental information document. Due to the current bidding climate it has been determined that the funding may cover additional sewer collection lines than were identified in the previous letter. The purpose of this letter is to request your review and response regarding any environmental impacts that your agency may identify for this proposed project including the additionally added lines.

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We request that you advise us of any comments that you may have regarding this project within thirty (30) days, so the City of Kimberly can proceed with the completion of the project.

If you have any questions concerning this proposed project or if you need any further information, please contact Tracy Ahrens at taa@jub.com or 208-733-2414 at your convenience.

Sincerely,

A handwritten signature in blue ink, appearing to read "Tracy Ahrens". The signature is fluid and cursive, written over a light blue horizontal line.

Tracy A. Ahrens, P.E.
Project Manager

Encl: City of Kimberly Proposed Collection System Improvements Project Map – Revised 3/31/2016

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input checked="" type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) C. Date of Delivery ANDICE BRONCHO 7/16</p>
<p>1. Article Addressed to:</p> <p>Ms. Carolyn Boyer Smith Shoshone-Bannock Tribes P.O. Box 306 Fort Hall, ID 83203</p> 	<p>D. Is delivery address different from item 1? <input checked="" type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p> <p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label) 7004 2510 0001 8201 8566</p>	
<p>PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540</p>	

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input checked="" type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) C. Date of Delivery Alice Sannotta 5/12/16</p>
<p>1. Article Addressed to:</p> <p>Mr. Ted Howard Shoshone-Paiute Tribes P.O. Box 219 Owyhee, NY 89832</p> 	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p> <p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label) 7004 2510 0001 8201 8559</p>	
<p>PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540</p>	



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April 5, 2016

Mr. James Joyner
U.S. Army Corps of Engineers
900 N. Skyline Rd, Suite A
Idaho Falls, ID 83402-1718

RE: City of Kimberly Wastewater Collection System Improvement Project – Request for Comments for Preparation of an Environmental Information Document – Revised Project Map

Mr. James Joyner,

The City of Kimberly is now in the preliminary design phase of replacing part of their wastewater collection system which will be funded by the U.S. Army Corps of Engineers and the City of Kimberly. A letter dated March 10, 2016 was previously sent out requesting comments for the preparation of an environmental information document. Due to the current bidding climate it has been determined that the funding may cover additional sewer collection lines than were identified in the previous letter. The purpose of this letter is to request your review and response regarding any environmental impacts that your agency may identify for this proposed project including the additionally added lines.

The revised proposed wastewater collection system improvement project is located in the City of Kimberly (Twin Falls County, Idaho) and consists of the following improvements:

- Open-cut and replace approximately 2,590 lineal feet of deteriorating sewer pipe along Wilson Road, Monroe Street West and in an alley between Main Street North and Chestnut Street North perpendicular to Monroe Street East.
- As funds allow, an additional approximate 4,090 lineal feet of sewer line could be replaced using open-cut methods along Monroe Street East, in an alley between Oak Street North and Elm Street North, in an alley between Chestnut Street North and Birch Street, along the east end of Center Street East, on Sage Street and on the east ends of Washington Street and Lincoln Street.

The project is being proposed to address deteriorating wastewater collection lines. The open-cut method of replacing a collection line involves digging a trench along the existing line, temporarily blocking the line and/or by-pass pumping the wastewater flow around the work area, removing the existing line, placing a new line in the same trench and reconnecting existing sewer services. The slope of the new line may be adjusted to improve the flow characteristics of the system. The trench is then back-filled and any existing surface is repaired (ie asphalt, gravel, etc). Existing manholes between collection line replacement segments will be evaluated for proper elevation and for structural integrity and will be replaced as needed. Enclosed is a map of the area that depicts the proposed project improvements and area of potential effect for all construction activities.



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We request that you advise us of any comments that you may have regarding this project within thirty (30) days, so the City of Kimberly can proceed with the completion of the project.

If you have any questions concerning this proposed project or if you need any further information, please contact Tracy Ahrens at taa@jub.com or 208-733-2414 at your convenience.

Sincerely,

Tracy A. Ahrens, P.E.
Project Manager

Encl: City of Kimberly Proposed Collection System Improvements Project Map – Revised 3/31/2016



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April 5, 2016

Mr. Craig Eckles
City of Kimberly Planning & Zoning
P.O. Box Z
Kimberly, ID 83341

RE: City of Kimberly Wastewater Collection System Improvement Project – Request for Comments for Preparation of an Environmental Information Document – Revised Project Map

Mr. Craig Eckles,

The City of Kimberly is now in the preliminary design phase of replacing part of their wastewater collection system which will be funded by the U.S. Army Corps of Engineers and the City of Kimberly. A letter dated March 10, 2016 was previously sent out requesting comments for the preparation of an environmental information document. Due to the current bidding climate it has been determined that the funding may cover additional sewer collection lines than were identified in the previous letter. The purpose of this letter is to request your review and response regarding any environmental impacts that your agency may identify for this proposed project including the additionally added lines.

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Sincerely,

Tracy A. Ahrens, P.E.
Project Manager

Encl: City of Kimberly Proposed Collection System Improvements Project Map – Revised 3/31/2016



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April 5, 2016

Mr. Kevan Hafer
City of Kimberly
P.O. Box Z
Kimberly, ID 83341

RE: City of Kimberly Wastewater Collection System Improvement Project – Request for Comments for Preparation of an Environmental Information Document – Revised Project Map

Mr. Kevan Hafer,

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Project Manager

Encl: City of Kimberly Proposed Collection System Improvements Project Map – Revised 3/31/2016



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April 5, 2016

Mr. Gary Bahr
Idaho Dept. of Agriculture
P.O. Box 790
Boise, ID 83701

RE: City of Kimberly Wastewater Collection System Improvement Project – Request for Comments for Preparation of an Environmental Information Document – Revised Project Map

Mr. Gary Bahr,

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Tracy A. Ahrens, P.E.
Project Manager

Encl: City of Kimberly Proposed Collection System Improvements Project Map – Revised 3/31/2016



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**GATEWAY
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INC.**

April 5, 2016

Mr. Brian Reed
Department of Environmental Quality
650 Addison Ave. W., Suite 110
Twin Falls, ID 83301

RE: City of Kimberly Wastewater Collection System Improvement Project – Request for Comments for Preparation of an Environmental Information Document – Revised Project Map

Mr. Brian Reed,

The City of Kimberly is now in the preliminary design phase of replacing part of their wastewater collection system which will be funded by the U.S. Army Corps of Engineers and the City of Kimberly. A letter dated March 10, 2016 was previously sent out requesting comments for the preparation of an environmental information document. Due to the current bidding climate it has been determined that the funding may cover additional sewer collection lines than were identified in the previous letter. The purpose of this letter is to request your review and response regarding any environmental impacts that your agency may identify for this proposed project including the additionally added lines.

The revised proposed wastewater collection system improvement project is located in the City of Kimberly (Twin Falls County, Idaho) and consists of the following improvements:

- Open-cut and replace approximately 2,590 lineal feet of deteriorating sewer pipe along Wilson Road, Monroe Street West and in an alley between Main Street North and Chestnut Street North perpendicular to Monroe Street East.
- As funds allow, an additional approximate 4,090 lineal feet of sewer line could be replaced using open-cut methods along Monroe Street East, in an alley between Oak Street North and Elm Street North, in an alley between Chestnut Street North and Birch Street, along the east end of Center Street East, on Sage Street and on the east ends of Washington Street and Lincoln Street.

The project is being proposed to address deteriorating wastewater collection lines. The open-cut method of replacing a collection line involves digging a trench along the existing line, temporarily blocking the line and/or by-pass pumping the wastewater flow around the work area, removing the existing line, placing a new line in the same trench and reconnecting existing sewer services. The slope of the new line may be adjusted to improve the flow characteristics of the system. The trench is then back-filled and any existing surface is repaired (ie asphalt, gravel, etc). Existing manholes between collection line replacement segments will be evaluated for proper elevation and for structural integrity and will be replaced as needed. Enclosed is a map of the area that depicts the proposed project improvements and area of potential effect for all construction activities.



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We request that you advise us of any comments that you may have regarding this project within thirty (30) days, so the City of Kimberly can proceed with the completion of the project.

If you have any questions concerning this proposed project or if you need any further information, please contact Tracy Ahrens at taa@jub.com or 208-733-2414 at your convenience.

Sincerely,

Tracy A. Ahrens, P.E.
Project Manager

Encl: City of Kimberly Proposed Collection System Improvements Project Map – Revised 3/31/2016



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April 5, 2016

Ms. Maureen O'Shea
Idaho Dept. of Water Resources
322 East Front Street
PO Box 83720
Boise, ID 83720-0098

RE: City of Kimberly Wastewater Collection System Improvement Project – Request for Comments for Preparation of an Environmental Information Document – Revised Project Map

Ms. Maureen O'Shea,

The City of Kimberly is now in the preliminary design phase of replacing part of their wastewater collection system which will be funded by the U.S. Army Corps of Engineers and the City of Kimberly. A letter dated March 10, 2016 was previously sent out requesting comments for the preparation of an environmental information document. Due to the current bidding climate it has been determined that the funding may cover additional sewer collection lines than were identified in the previous letter. The purpose of this letter is to request your review and response regarding any environmental impacts that your agency may identify for this proposed project including the additionally added lines.

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Project Manager

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April 5, 2016

Regional Nongame Biologist
Idaho Dept. of Fish and Game
324 South 417 East, Suite 1
Jerome, ID 83338

RE: City of Kimberly Wastewater Collection System Improvement Project – Request for Comments for Preparation of an Environmental Information Document – Revised Project Map

To whom it may concern:

The City of Kimberly is now in the preliminary design phase of replacing part of their wastewater collection system which will be funded by the U.S. Army Corps of Engineers and the City of Kimberly. A letter dated March 10, 2016 was previously sent out requesting comments for the preparation of an environmental information document. Due to the current bidding climate it has been determined that the funding may cover additional sewer collection lines than were identified in the previous letter. The purpose of this letter is to request your review and response regarding any environmental impacts that your agency may identify for this proposed project including the additionally added lines.

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Tracy A. Ahrens, P.E.
Project Manager

Encl: City of Kimberly Proposed Collection System Improvements Project Map – Revised 3/31/2016



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April 5, 2016

Mr. David Mabe
National Marine Fisheries
800 E. Park Blvd, Plaza IV, Suite 220
Boise, ID 83712-7768

RE: City of Kimberly Wastewater Collection System Improvement Project – Request for Comments for Preparation of an Environmental Information Document – Revised Project Map

Mr. David Mabe,

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Sincerely,

Tracy A. Ahrens, P.E.
Project Manager

Encl: City of Kimberly Proposed Collection System Improvements Project Map – Revised 3/31/2016



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**GATEWAY
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April 5, 2016

Mr. Ethan Morton
Idaho State Historical Society
210 Main Street
Boise, ID 83702

RE: City of Kimberly Wastewater Collection System Improvement Project – Request for Comments for Preparation of an Environmental Information Document – Revised Project Map

Mr. Ethan Morton,

The City of Kimberly is now in the preliminary design phase of replacing part of their wastewater collection system which will be funded by the U.S. Army Corps of Engineers and the City of Kimberly. A letter dated March 10, 2016 was previously sent out requesting comments for the preparation of an environmental information document. Due to the current bidding climate it has been determined that the funding may cover additional sewer collection lines than were identified in the previous letter. The purpose of this letter is to request your review and response regarding any environmental impacts that your agency may identify for this proposed project including the additionally added lines.

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Tracy A. Ahrens, P.E.
Project Manager

Encl: City of Kimberly Proposed Collection System Improvements Project Map – Revised 3/31/2016



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April 5, 2016

Mr. James Wertz
U.S. EPA, Idaho Operations Office
950 W. Bannock Street, Suite 900
Boise, ID 83702

RE: City of Kimberly Wastewater Collection System Improvement Project – Request for Comments for Preparation of an Environmental Information Document – Revised Project Map

Mr. James Wertz,

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Sincerely,

Tracy A. Ahrens, P.E.
Project Manager

Encl: City of Kimberly Proposed Collection System Improvements Project Map – Revised 3/31/2016



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April 5, 2016

Mr. Michael Carrier
US Fish and Wildlife Service
1387 South Vinnell Way, Room 368
Boise, ID 83709

RE: City of Kimberly Wastewater Collection System Improvement Project – Request for Comments for Preparation of an Environmental Information Document – Revised Project Map

Mr. Michael Carrier,

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Tracy A. Ahrens, P.E.
Project Manager

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**GATEWAY
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April 5, 2016

Mr. Shawn J. Nield
USDA-NRCS
9173 West Barnes Dr, Suite C
Boise, ID 83709

RE: City of Kimberly Wastewater Collection System Improvement Project – Request for Comments for Preparation of an Environmental Information Document – Revised Project Map

Mr. Shawn J. Nield,

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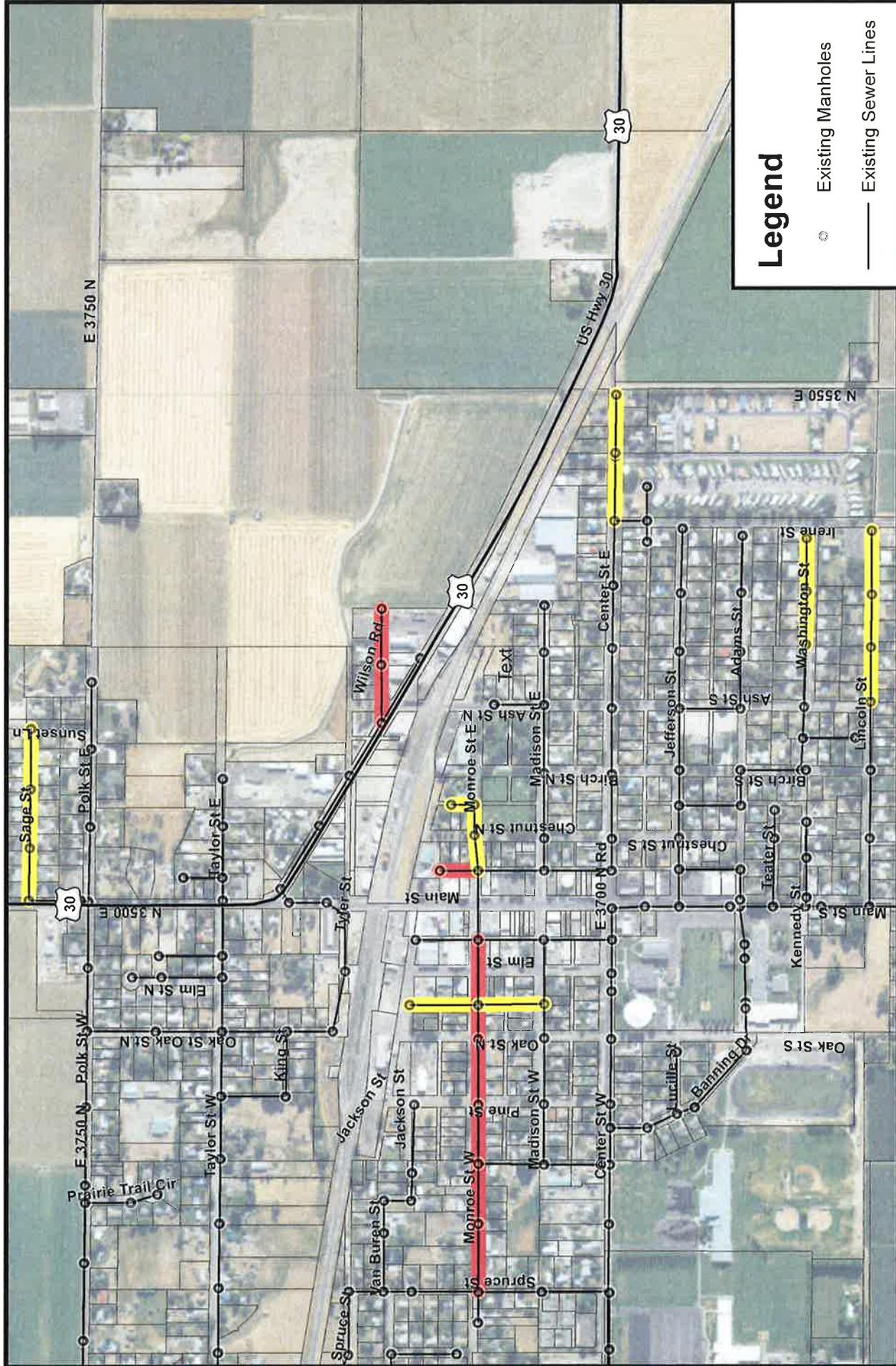
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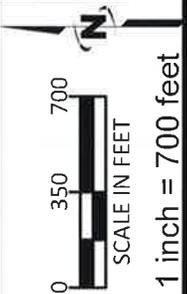
Tracy A. Ahrens, P.E.
Project Manager

Encl: City of Kimberly Proposed Collection System Improvements Project Map – Revised 3/31/2016



Legend

- Existing Manholes
- Existing Sewer Lines
- Priority 1 Lines
- Priority 2 Lines



J-U-B ENGINEERS, INC.

**CITY OF KIMBERLY
PROPOSED COLLECTION SYSTEM
IMPROVEMENT PROJECT**



Revised: 03/31/16

Revised 03/31/2016

**J-U-B ENGINEERS, INC.**

March 10, 2016

Ms. Carolyn Boyer Smith
Shoshone-Bannock Tribes
P.O. Box 306
Fort Hall, ID 83203

RE: City of Kimberly Wastewater Collection System Improvement Project – Request for Comments for Preparation of an Environmental Information Document

Ms. Carolyn Boyer Smith

The City of Kimberly is in the final planning phase of replacing part of their wastewater collection system which will be funded by the U.S. Army Corps of Engineers and the City of Kimberly. The purpose of this letter is to request your review and response regarding any environmental impacts that your agency may identify for this proposed project.

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Tracy A. Ahrens, P.E.
Project Manager

Encl: City of Kimberly Proposed Collection System Improvements Project Map

**J-U-B ENGINEERS, INC.**

March 10, 2016

Mr. Ted Howard
Shoshone-Paiute Tribe
P.O. Box 219
Owyhee, NV 89832

RE: City of Kimberly Wastewater Collection System Improvement Project – Request for Comments for Preparation of an Environmental Information Document

Mr. Ted Howard,

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Sincerely,



Tracy A. Ahrens, P.E.
Project Manager

Encl: City of Kimberly Proposed Collection System Improvements Project Map

SENDER: COMPLETE THIS SECTION

- Complete Items 1, 2, and 3. Also complete Item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Ms. Carolyn Boyer Smith
 Shoshone-Bannock Tribes
 P.O. Box 306
 Fort Hall, ID 83203



2. Article Number
(Transfer from service label)

7004 2510 0001 8201 8535

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent
 Addressee

B. Received by (Printed Name) C. Date of Delivery
 Candice Broncho 3/17/14

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes

SENDER: COMPLETE THIS SECTION

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Mr. Ted Howard
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 P.O. Box 219
 Owyhee, NV 89832



2. Article Number
(Transfer from service label)

7004 2510 0001 8201 8542

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent
 Addressee

B. Received by (Printed Name) C. Date of Delivery
 Carolyn Jones 3/17/14

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes

**J-U-B ENGINEERS, INC.**

March 10, 2016

Mr. James Joyner
U.S. Army Corps of Engineers
900 N. Skyline Rd, Suite A
Idaho Falls, ID 83402-1718

RE: City of Kimberly Wastewater Collection System Improvement Project – Request for Comments for Preparation of an Environmental Information Document

Mr. James Joyner,

The City of Kimberly is in the final planning phase of replacing part of their wastewater collection system which will be funded by the U.S. Army Corps of Engineers and the City of Kimberly. The purpose of this letter is to request your review and response regarding any environmental impacts that your agency may identify for this proposed project.

The proposed wastewater collection system improvement project is located in the City of Kimberly (Twin Falls County, Idaho) and consists of the following improvements:

- Open-cut and replace approximately 2,590 lineal feet of deteriorating sewer pipe along Wilson Road, Monroe Street West and in an alley between Main Street North and Chestnut Street North perpendicular to Monroe Street East.
- As funds allow, an additional approximate 1,150 lineal feet of sewer line could be replaced using open-cut methods along Monroe Street East, in an alley between Oak Street North and Elm Street North and in an alley between Chestnut Street North and Birch Street.

The project is being proposed to address deteriorating wastewater collection lines. The open-cut method of replacing a collection line involves digging a trench along the existing line, temporarily blocking the line and/or by-pass pumping the wastewater flow around the work area, removing the existing line, placing a new line in the same trench and reconnecting existing sewer services. The slope of the new line may be adjusted to improve the flow characteristics of the system. The trench is then back-filled and any existing surface is repaired (ie asphalt, gravel, etc). Existing manholes between collection line replacement segments will be evaluated for proper elevation and for structural integrity and will be replaced as needed. Enclosed is a map of the area that depicts the proposed project improvements and area of potential effect for all construction activities.

We request that you advise us of any comments that you may have regarding this project within thirty (30) days, so the City of Kimberly can proceed with the completion of the project.

If you have any questions concerning this proposed project or if you need any further information, please contact Tracy Ahrens at taa@jub.com or 208-733-2414 at your convenience.

Sincerely,

Tracy A. Ahrens, P.E.
Project Manager

Encl: City of Kimberly Proposed Collection System Improvements Project Map

**J-U-B ENGINEERS, INC.**

March 10, 2016

Mr. Craig Eckles
City of Kimberly Planning & Zoning
P.O. Box Z
Kimberly, ID 83341

RE: City of Kimberly Wastewater Collection System Improvement Project – Request for Comments for Preparation of an Environmental Information Document

Mr. Craig Eckles,

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Sincerely,

Tracy A. Ahrens, P.E.
Project Manager

Encl: City of Kimberly Proposed Collection System Improvements Project Map

**J-U-B ENGINEERS, INC.**

March 10, 2016

Mr. Kevan Hafer
City of Kimberly
P.O. Box Z
Kimberly, ID 83341

RE: City of Kimberly Wastewater Collection System Improvement Project – Request for Comments for Preparation of an Environmental Information Document

Mr. Kevan Hafer,

The City of Kimberly is in the final planning phase of replacing part of their wastewater collection system which will be funded by the U.S. Army Corps of Engineers and the City of Kimberly. The purpose of this letter is to request your review and response regarding any environmental impacts that your agency may identify for this proposed project.

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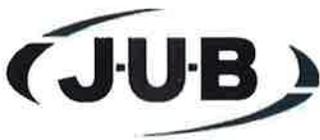
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Sincerely,

Tracy A. Ahrens, P.E.
Project Manager

Encl: City of Kimberly Proposed Collection System Improvements Project Map

**J-U-B ENGINEERS, INC.**

March 10, 2016

Mr. Gary Bahr
Idaho Dept. of Agriculture
P.O. Box 790
Boise, ID 83701

RE: City of Kimberly Wastewater Collection System Improvement Project – Request for Comments for Preparation of an Environmental Information Document

Mr. Gary Bahr

The City of Kimberly is in the final planning phase of replacing part of their wastewater collection system which will be funded by the U.S. Army Corps of Engineers and the City of Kimberly. The purpose of this letter is to request your review and response regarding any environmental impacts that your agency may identify for this proposed project.

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Sincerely,

Tracy A. Ahrens, P.E.
Project Manager

Encl: City of Kimberly Proposed Collection System Improvements Project Map

**J-U-B ENGINEERS, INC.**

March 10, 2016

Mr. Brian Reed
Department of Environmental Quality
650 Addison Ave W., Suite 110
Twin Falls, ID 83301

RE: City of Kimberly Wastewater Collection System Improvement Project – Request for Comments for Preparation of an Environmental Information Document

Mr. Brian Reed,

The City of Kimberly is in the final planning phase of replacing part of their wastewater collection system which will be funded by the U.S. Army Corps of Engineers and the City of Kimberly. The purpose of this letter is to request your review and response regarding any environmental impacts that your agency may identify for this proposed project.

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Sincerely,

Tracy A. Ahrens, P.E.
Project Manager

Encl: City of Kimberly Proposed Collection System Improvements Project Map



J-U-B ENGINEERS, INC.

March 10, 2016

Ms. Maureen O'Shea
Idaho Dept of Water Resources
322 East Front Street
PO Box 83720
Boise, ID 83720-0098

RE: City of Kimberly Wastewater Collection System Improvement Project – Request for Comments for Preparation of an Environmental Information Document

Ms. Maureen O'Shea,

The City of Kimberly is in the final planning phase of replacing part of their wastewater collection system which will be funded by the U.S. Army Corps of Engineers and the City of Kimberly. The purpose of this letter is to request your review and response regarding any environmental impacts that your agency may identify for this proposed project.

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Sincerely,



Tracy A. Ahrens, P.E.
Project Manager

Encl: City of Kimberly Proposed Collection System Improvements Project Map

**J-U-B ENGINEERS, INC.**

March 10, 2016

Regional Nongame Biologist
Idaho Dept of Fish and Game
324 South 417 East, Suite 1
Jerome, ID 83338

RE: City of Kimberly Wastewater Collection System Improvement Project – Request for Comments for Preparation of an Environmental Information Document

To whom it may concern:

The City of Kimberly is in the final planning phase of replacing part of their wastewater collection system which will be funded by the U.S. Army Corps of Engineers and the City of Kimberly. The purpose of this letter is to request your review and response regarding any environmental impacts that your agency may identify for this proposed project.

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Sincerely,

Tracy A. Ahrens, P.E.
Project Manager

Enc: City of Kimberly Proposed Collection System Improvements Project Map



J-U-B ENGINEERS, INC.

March 10, 2016

Mr. David Mabe
National Marine Fisheries
800 E. Park Blvd, Suite 220, Plaza IV, Suite 220
Boise, ID 83712-7768

RE: City of Kimberly Wastewater Collection System Improvement Project – Request for Comments for Preparation of an Environmental Information Document

Mr. David Mabe,

The City of Kimberly is in the final planning phase of replacing part of their wastewater collection system which will be funded by the U.S. Army Corps of Engineers and the City of Kimberly. The purpose of this letter is to request your review and response regarding any environmental impacts that your agency may identify for this proposed project.

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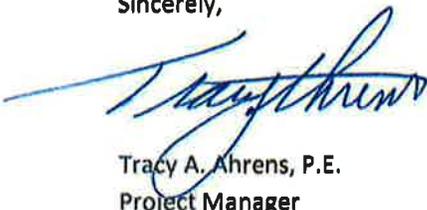
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Sincerely,



Tracy A. Ahrens, P.E.
Project Manager

Encl: City of Kimberly Proposed Collection System Improvements Project Map



J-U-B ENGINEERS, INC.

March 10, 2016

Mr. Ethan Morton
Idaho State Historical Society
210 Main Street
Boise, ID 83702

RE: City of Kimberly Wastewater Collection System Improvement Project – Request for Comments for Preparation of an Environmental Information Document

Mr. Ethan Morton,

The City of Kimberly is in the final planning phase of replacing part of their wastewater collection system which will be funded by the U.S. Army Corps of Engineers and the City of Kimberly. The purpose of this letter is to request your review and response regarding any environmental impacts that your agency may identify for this proposed project.

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Tracy A. Ahrens, P.E.
Project Manager

Encl: City of Kimberly Proposed Collection System Improvements Project Map

**J-U-B ENGINEERS, INC.**

March 10, 2016

Mr. James Werntz
U.S. EPA, Idaho Operations Office
950 W. Bannock Street, Suite 900
Boise, ID 83702

RE: City of Kimberly Wastewater Collection System Improvement Project – Request for Comments for Preparation of an Environmental Information Document

Mr. James Werntz,

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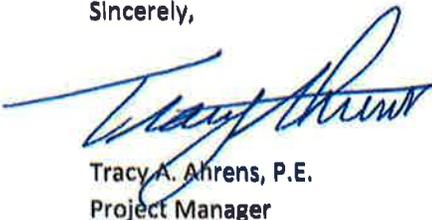
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Sincerely,



Tracy A. Ahrens, P.E.
Project Manager

Encl: City of Kimberly Proposed Collection System Improvements Project Map

**J-U-B ENGINEERS, INC.**

March 10, 2016

Mr. Michael Carrier
US Fish and Wildlife Service
1387 South Vinnell Way, Room 368
Boise, ID 83709

RE: City of Kimberly Wastewater Collection System Improvement Project – Request for Comments for Preparation of an Environmental Information Document

Mr. Michael Carrier,

The City of Kimberly is in the final planning phase of replacing part of their wastewater collection system which will be funded by the U.S. Army Corps of Engineers and the City of Kimberly. The purpose of this letter is to request your review and response regarding any environmental impacts that your agency may identify for this proposed project.

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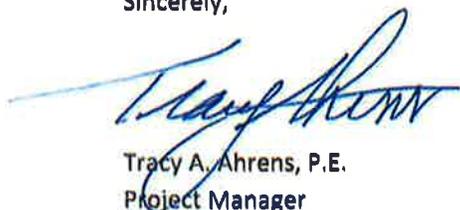
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Sincerely,



Tracy A. Ahrens, P.E.
Project Manager

Encl: City of Kimberly Proposed Collection System Improvements Project Map



J-U-B ENGINEERS, INC.

March 10, 2016

Mr. Shawn J. Nield
USDA-NRCS
9173 West Barnes Dr, Suite C
Boise, ID 83709

RE: City of Kimberly Wastewater Collection System Improvement Project – Request for Comments for Preparation of an Environmental Information Document

Mr. Shawn J. Nield,

The City of Kimberly is in the final planning phase of replacing part of their wastewater collection system which will be funded by the U.S. Army Corps of Engineers and the City of Kimberly. The purpose of this letter is to request your review and response regarding any environmental impacts that your agency may identify for this proposed project.

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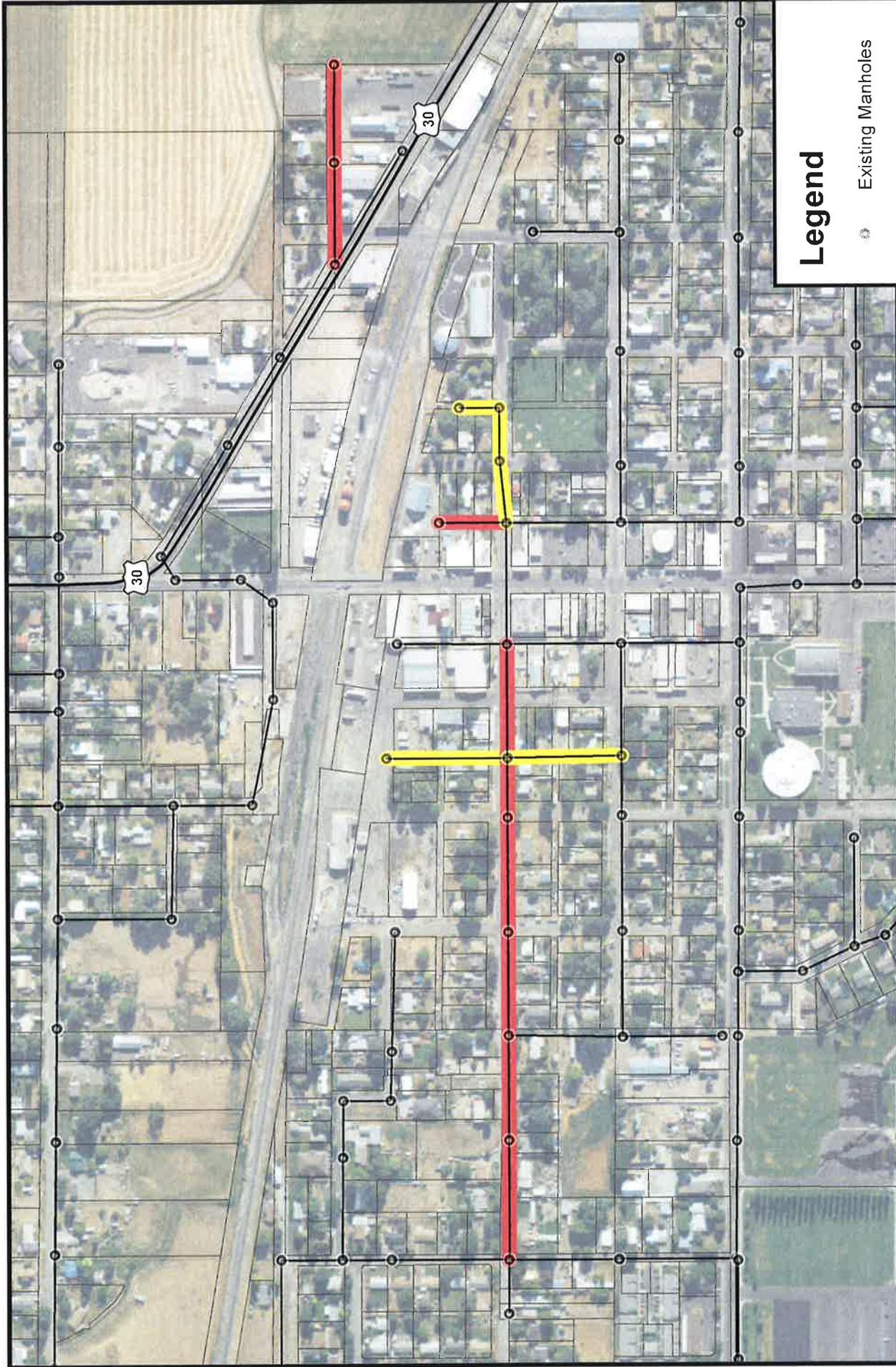
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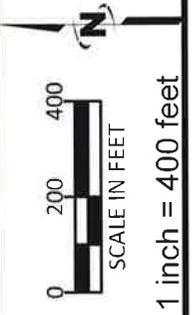
Tracy A. Ahrens, P.E.
Project Manager

Encl: City of Kimberly Proposed Collection System Improvements Project Map



Legend

-  Existing Manholes
-  Existing Sewer Lines
-  Priority 1 Lines
-  Priority 2 Lines



CITY OF KIMBERLY PROPOSED COLLECTION SYSTEM IMPROVEMENT PROJECT



APPENDIX B AGENCIES RESPONSE COMMENT

Tracy Ahrens

From: Joyner, James M NWW <James.M.Joyner@usace.army.mil>
Sent: Friday, April 8, 2016 12:43 PM
To: Tracy Ahrens
Subject: City of Kimberly Proposed Wastewater Collection System Improvements (UNCLASSIFIED)

CLASSIFICATION: UNCLASSIFIED

Tracy,

I received your letter/request for comments on the above project being funded by the US Army Corps of Engineers. Since the Corps is funding the project environmental compliance and review would be done by our Civil Works folks. If a Corps Section 404 CWA permit were required the Corps would not issue itself a permit. In those instances the Corps is tasked with meeting the substantive requirements and intent of the law without necessarily having to have a permit. I would recommend talking to whoever your Corps contact is on the funding side and discussing in more detail with them.

James M. Joyner
Sr. Regulatory Project Manager

US Army Corps of Engineers
Walla Walla District
Idaho Falls Regulatory Office
900 N Skyline Drive, Suite A
Idaho Falls, Idaho 83402
208-522-1676 (Office)
208-522-2994 (Fax)
james.m.joyner@usace.army.mil

CLASSIFICATION: UNCLASSIFIED

Tracy Ahrens

From: Lopez, Maria <Lopez.Maria@epa.gov>
Sent: Monday, April 11, 2016 2:24 PM
To: Tracy Ahrens
Cc: Werntz, James; Kenknight, Jeff
Subject: City of Kimberly Wastewater Collection System Improvement Project - Request for Comments

Hello Tracy,

I am following up on J-U-B Engineers, Inc. March 10, 2016 and April 5, 2016 letters to EPA regarding the City of Kimberly's Wastewater Collection System Improvement Project – Request for Comments for Preparation of an Environmental Information Document. Thank-you for providing EPA the opportunity to comment on the proposed wastewater collection system improvement project. At this time, we do not have substantial comments regarding the proposed improvements. Please evaluate the proposed construction associated with the project and determine if there is a need for coverage under EPA's Construction General Permit. More information regarding permitting requirements associated with construction can be found here; <https://www.epa.gov/npdes/stormwater-discharges-construction-activities#overview>

If you require more information, please feel free to give me a call.

Thank-you,

Maria

Maria Lopez
Environmental Scientist
950 W. Bannock Street
Suite 900
Boise, ID 83702
Telephone: (208) 378-5616
Fax: (208) 378-5744



STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

J.U.B. ENGINEERS
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TWIN FALLS, IDAHO

650 Addison Avenue West, Suite 110 • Twin Falls, Idaho 83301 • (208) 736-2190
www.deq.idaho.gov

C.L. "Butch" Otter, Governor
John H. Tippets, Director

April 21, 2016

The Honorable Burke Davidson
Mayor, City of Kimberly
PO Box Z
Kimberly, Idaho 83341

Re: Request for DEQ Comments, **City of Kimberly Wastewater Collection System Improvement Project**, Twin Falls Co.

Dear Mayor Davidson:

Please note that Tracy Ahrens with JUB Engineers has submitted a request to the Department of Environmental Quality (DEQ) for Environmental Information Document (EID) related comments to satisfy federal cross cutting requirements associated with the above referenced wastewater collection improvement project.

It is our opinion that parcels adjacent to and within the area of development may experience minor short term adverse conditions, such as increased stormwater runoff, dust and noise pollution, traffic and parking disruption, mechanical hazards and water and sewer service disruption. To minimize resulting effects, we recommend that suitable stormwater BMPs, site watering equipment and reasonable working hours be implemented during construction.

Our evaluation of environmental concerns associated with this project is limited to our review of information provided in the request and our experience with similar projects. Ultimately, our opinion as to whether prolonged or permanent environmental or historical impacts may result from this installation may not be determined at this time.

At this time, we respectfully request that the following DEQ administrative rule citation references and regional contacts be reviewed and project designers contact the respective regional office contact person if regulatory compliance questions arise.

1. Air Quality

IDAPA Section 58.01.01 is the rule section which relates to Air Quality, especially those regarding fugitive dust (58.01.01.651), trade waste burning (58.01.01.600-617), permits to construct (58.01.01.201), and odor control plans (58.01.01.776).

Regional Contact, Bobby Dye, Regional Manager - Air Quality and Remediation, at 736-2190.

2. Wastewater and Reuse

IDAPA 58.01.16 and IDAPA 58.01.17 are the rule sections which relate to wastewater and wastewater reuse (recycled water). Please review these rules to determine whether this or future projects will require DEQ approval. Large central domestic and industrial wastewater treatment; and central wastewater collection projects require preconstruction approval by DEQ including facilities planning, preliminary engineering reports, plans and specification and other documents unless they meet the provisions of Idaho Code §39-118.2.d. Also note that at the discretion of any city, county, quasi-municipal corporation or regulated public utility, projects that fall within this provision may be referred to DEQ for approval. Wastewater reuse projects require separate permits for operation as well.

Regional Contact, Michael Brown, Regional Engineering Manager, at 736-2190.

3. Drinking Water

IDAPA 58.01.08 is the rule section which relates to drinking water. Please review these rules to determine whether this or future projects will require DEQ approval including facilities planning, preliminary engineering reports, plans and specification and other documents. All new and expanding public water supply projects require preconstruction approval by DEQ unless they meet the provisions of Idaho Code §39-118.2.d. Also note that at the discretion of any city, county, quasi-municipal corporation or regulated public utility, projects that fall within this provision may be referred to DEQ for approval

Regional Contact, Brian Reed, PE, Technical Engineer 1, at 736-2190.

4. Surface Water

If the project will involve de-watering of groundwater during excavation and discharge back into surface water a short term activity exemption (from this office) will be needed which describes treatment of the water from this process to prevent excessive sediment and turbidity from entering surface water.

The Idaho Stream Channel Protection Act requires a permit for most stream channel alterations. Please contact the Idaho Department of Water Resources for more information.

Regional Contact, Balthasar (Sonny) Buhidar, Regional Manager – Water Quality Protection, at 736-2190

5. Solid and Hazardous Waste

***Hazardous Waste.** The types and number of requirements that must be complied with under the federal Resource Conservation and Recovery Act (RCRA) and the Idaho Rules and Standards for Hazardous Waste (IDAPA 58.01.05) are based on the quantity and type of waste generated. Every business in Idaho is required to track the volume of wastes generated, determine whether or not each type of waste is hazardous, and ensure that all wastes are properly disposed of according to federal, state, and local requirements.*

Regional Contact, Bobby Dye, Regional Manager -Air Quality and Remediation, at 736-2190.

Solid Waste. *No trash or other solid waste should be buried, burned or otherwise disposed at the site. These disposal methods are regulated by various state regulations including Idaho's Solid Waste Management Regulations and Standards.*

Regional Contact, Joe Otero, PE, Staff Engineer at 736-2190.

Water Quality Standards. *Site activities must comply with the Idaho Water Quality Standards (IDAPA 58.01.02) regarding hazardous and deleterious materials storage, disposal, or accumulation adjacent to or in the immediate vicinity of state waters, and the clean-up and reporting of oil filled electrical equipment, hazardous materials, used oil and petroleum releases.*

Regional Contact, Balthasar (Sonny) Buhidar, Regional Manager - Water Quality Protection, at 736-2190

Ground Water Contamination. *DEQ requests that this project comply with Idaho's Ground Water Quality Rules (IDAPA 58.01.11) which states that "No person shall cause or allow the release, spilling, leaking, emission, discharge, escape, leaching or disposal of a contaminant into the environment in a manner that causes a groundwater quality standard to be exceeded, injures a beneficial use of ground water, or is not in accordance with a permit, consent order or applicable best management practice, best available method or best practical method."*

Regional Contact, Irene Nautch, Regional Drinking Water Protection Coordinator, at 736-2190.

6. Under Ground Storage Tank (UST) / Leaking Underground Storage Tank (LUST) Program

If an underground storage tank is identified at the site, the site should be evaluated for underground tanks and potential contamination.

Regional Contact, Mike Summers, Regional UST/LUST Coordinator, at 736-2190.

If you have questions, please do not hesitate to contact this office at 736-2190.

Sincerely,



Joseph R. Otero, P.E.
Staff Engineer

JRO:gl

cc: Tracy Ahrens, PE, JUB Engineers, Inc., Twin Falls

Tracy Ahrens

From: O'Shea, Maureen <Maureen.OShea@idwr.idaho.gov>
Sent: Monday, April 11, 2016 8:59 AM
To: Tracy Ahrens
Subject: Kimberly Wastewater improvement Project

Tracy,

The City of Kimberly does not participate in the National Flood Insurance Program (NFIP), therefore I have no comments on this project.

Thank you,
Maureen O'Shea, AICP, CFM
NFIP State Coordinator
Idaho Dept. of Water Resources
322 E. Front Street, P.O. Box 83720
Boise, ID 83720-0098
Ph# 208-287-4928
Cell #208-830-4174
Maureen.OShea@idwr.idaho.gov
www.idwr.idaho.gov/floods

Tracy Ahrens

From: Ethan Morton <Ethan.Morton@ishs.idaho.gov>
Sent: Friday, March 25, 2016 9:18 AM
To: Tracy Ahrens
Subject: City of Kimberly Wastewater Collection System Improvement Project (Idaho SHPO REV 2016-526)
Attachments: 2016-526_City of Kimberly Wastewater Collection System Improvement Project.pdf

Tracy,
Our official recommendation is attached (no effect).
Thank You,

Ethan Morton
Idaho State Historic Preservation Office
210 Main Street
Boise, Idaho 83702
208-334-3861 x107
ethan.morton@ishs.idaho.gov



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"The head of any federal agency having direct or indirect jurisdiction over a proposed federal or federally assisted undertaking in any state and the head of any federal department or independent agency having authority to license any undertaking shall, prior to the approval of the expenditure of any federal funds on the undertaking or prior to the issuance of any license, as the case may be, take into account the effect of the undertaking on any district, site, building, structure, or object that is included in or eligible for inclusion in the National Register." Section 106 of the National Historic Preservation Act of 1966 amended through 1992 (16 U.S.C. 470f)

"Undertaking means a project, activity, or program funded in whole or in part under the direct or indirect jurisdiction of a Federal agency, including those carried out by or on behalf of a Federal agency; those carried out with Federal financial assistance; and those requiring a Federal permit, license or approval". (36 CFR 800(y))



C.L. "Butch" Otter
Governor of Idaho

Janet Gallimore
Executive Director

Administration
2205 Old Penitentiary Road
Boise, Idaho 83712-8250
Office: (208) 334-2682
Fax: (208) 334-2774

Membership and Fund
Development
2205 Old Penitentiary Road
Boise, Idaho 83712-8250
Office: (208) 514-2310
Fax: (208) 334-2774

Historical Museum and
Education Programs
610 North Julia Davis Drive
Boise, Idaho 83702-7695
Office: (208) 334-2120
Fax: (208) 334-4059

State Historic Preservation
Office and Historic Sites
Archeological Survey of Idaho
210 Main Street
Boise, Idaho 83702-7264
Office: (208) 334-3861
Fax: (208) 334-2775

Statewide Sites:
• Franklin Historic Site
• Pierce Courthouse
• Rock Creek Station and
• Stricker Homesite

Old Penitentiary
2445 Old Penitentiary Road
Boise, Idaho 83712-8254
Office: (208) 334-2844
Fax: (208) 334-3225

Idaho State Archives
2205 Old Penitentiary Road
Boise, Idaho 83712-8250
Office: (208) 334-2620
Fax: (208) 334-2626

North Idaho Office
112 West 4th Street, Suite #7
Moscow, Idaho 83843
Office: (208) 882-1540
Fax: (208) 882-1763



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TO: Tracy A. Ahrens, Project Manager, J-U-B Engineers, Inc.

DATE: 3/25/2016

IDAHO SHPO REV#: 2016-527

FEDERAL AGENCY: US Army Corps of Engineers

PROJECT NAME: City of Kimberly Wastewater Collection System Improvement Project

PROJECT LOCATION: Sections 20 and 21, Township 10S Range 18E, Kimberly, Twin Falls County, Idaho

Step 1: Initiate the Section 106 Process (36 CFR 800.3)

<input checked="" type="checkbox"/>	Establish Undertaking
<input checked="" type="checkbox"/>	Notify Idaho SHPO (30 days to respond)
<input type="checkbox"/>	Identify tribes and other consulting parties Include certified local governments if appropriate:
<input type="checkbox"/>	Involve the Public
<input type="checkbox"/>	No undertaking/potential to cause effects. (Section 106 concluded).
	Justification:
<input checked="" type="checkbox"/>	Undertaking may affect <i>historic properties</i> (proceed to Step 2)
<input checked="" type="checkbox"/>	Idaho SHPO internal review
<input type="checkbox"/>	Recommend independent study by a qualified consultant: http://www.preservationidaho.org/resources/cultural-resources-consultants

Step 2: Identify Historic Properties (36 CFR 800.4)

<input checked="" type="checkbox"/>	Determine Areas of Potential Effect (direct, indirect, and cumulative)
<input checked="" type="checkbox"/>	Identify <i>historic properties</i> (archival research, reconnaissance, inventory)
<input type="checkbox"/>	Present:
<input checked="" type="checkbox"/>	Consult with Idaho SHPO
<input checked="" type="checkbox"/>	No <i>historic properties</i> present/affected (Section 106 concluded).
	Justification: There are no known <i>historic properties</i> in the area of potential effect and the likelihood of any undiscovered <i>historic properties</i> that could be adversely affected is very low due to the nature of the undertaking and its location in a significantly disturbed area.
<input type="checkbox"/>	Potential Adverse Effects to <i>historic properties</i> (proceed to Step 3)

Additional information on the Section 106 process can be found here: <http://www.achp.gov/flowexplain.html>

Thank You,

Ethan Morton, Idaho State Historic Preservation Office

Tracy Ahrens

From: Ethan Morton <Ethan.Morton@ishs.idaho.gov>
Sent: Monday, April 18, 2016 2:46 PM
To: Tracy Ahrens
Subject: RE: City of Kimberly Wastewater Collection System Improvement Project (Idaho SHPO REV 2016-526)

Good Afternoon Tracy,
We received the modifications to the proposed undertaking and maintain our original recommendation of no effect.
Thank You,

Ethan Morton
Idaho State Historic Preservation Office
210 Main Street
Boise, Idaho 83702
208-334-3861 x107
ethan.morton@ishs.idaho.gov



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"Undertaking means a project, activity, or program funded in whole or in part under the direct or indirect jurisdiction of a Federal agency, including those carried out by or on behalf of a Federal agency; those carried out with Federal financial assistance; and those requiring a Federal permit, license or approval". (36 CFR 800(y))

From: Tracy Ahrens [<mailto:TAA@jub.com>]
Sent: Friday, March 25, 2016 11:02 AM
To: Ethan Morton
Subject: RE: City of Kimberly Wastewater Collection System Improvement Project (Idaho SHPO REV 2016-526)

Thank you for your response.

TRACY A. AHRENS, P.E.
Project Manager

J-U-B ENGINEERS, Inc.
115 Northstar Avenue, Twin Falls, ID 83301
e taa@jub.com w www.jub.com
p 208 733 2414 c 208 308 4680 f 208 733 9455



From: Ethan Morton [<mailto:Ethan.Morton@ishs.idaho.gov>]
Sent: Friday, March 25, 2016 9:18 AM
To: Tracy Ahrens <TAA@jub.com>
Subject: City of Kimberly Wastewater Collection System Improvement Project (Idaho SHPO REV 2016-526)

Tracy,
Our official recommendation is attached (no effect).
Thank You,

Ethan Morton
Idaho State Historic Preservation Office
210 Main Street
Boise, Idaho 83702
208-334-3861 x107
ethan.morton@ishs.idaho.gov



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Tracy Ahrens

From: Ted Howard <howard.ted@shopai.org>
Sent: Monday, March 21, 2016 9:33 AM
To: Tracy Ahrens
Subject: Kimberly Wastewater Collection System Improvement Project

Dear Mr. Ahrens,

I hope I have that right, Tracy is a name that can be male or female. Please forgive me if I do not have that right.

Thank you for inquiring with the Shoshone-Paiute Tribes on this proposed project. I have reviewed the information provided and it is clear that this proposal is to replace the old sewer lines within the city of Kimberly. This entire area has been pre-disturbed and the probability of encountering Native American sites is low. I will give you the go-ahead, but if you do discover a site of Native American origin please stop work and call my office at the same time or before you call the SHPO's office. We prefer to investigate the site before there is any further disturbance to the site. Our elders/spiritual leaders may want to conduct a prayer or ceremony before the site is disturbed any further.

Sincerely,

Ted Howard

Shoshone-Paiute Tribes

Cultural Resources Director

P.O. Box 219

Owyhee, Nevada 89832

Wk (208) 759-3100 ext. 1243

Fx (208) 759-3202

Cell (208) 871-7064

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Tracy Ahrens

From: Ted Howard <howard.ted@shopai.org>
Sent: Tuesday, April 12, 2016 4:34 PM
To: Tracy Ahrens
Subject: Kimberly Wastewater Collection System Improvement Project

Tracy,

This proposal is to replace deteriorating sewer lines. Most, if not all of the excavating required to do this job will be in pre-disturbed areas, the probability of encountering sites is very low. If you do discover a Native American site, stop all work and call my office before there is any further disturbance.

Sincerely,

Ted Howard

Shoshone-Paiute Tribes

Cultural Resources Director

P.O. Box 219

Owyhee, Nevada 89832

Wk (208) 759-3100 ext. 1243

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Tracy Ahrens

From: Kibler, Bob <bob_kibler@fws.gov>
Sent: Monday, April 11, 2016 11:46 AM
To: Tracy Ahrens
Subject: City of Kimberly Wastewater Collection System Improvement Project

Greetings Tracy

Per your letter dated March 17, 2016, I have reviewed the request for comments for preparation of an Environmental Information Document for the proposed replacement of a portion of the City of Kimberly, Idaho wastewater collection system. This action is to receive federal funding from the U.S. Army of Corps of Engineers. Given the location of the proposed construction, and that the proposed construction area is already highly disturbed and developed, the Fish and Wildlife Service does not anticipate significant impacts to occur to trust resources of conservation concern.

Feel free to contact me if you have any questions or require any additional assistance.

--

Bob Kibler
U.S. Fish and Wildlife Service-Ecological Services
Idaho Fish and Wildlife Office
1387 South Vinnell Way, Room 368
Boise, Idaho 83709

(208) 378-5255 Phone
(208) 378-5262 Fax
Bob_Kibler@FWS.GOV Email
<http://www.fws.gov/Idaho/>

Tracy Ahrens

From: Nield, Shawn - NRCS, Boise, ID <shawn.nield@id.usda.gov>
Sent: Monday, April 4, 2016 9:44 AM
To: Tracy Ahrens
Subject: Kimberly Wastewater Project
Attachments: JUB_kimberly_wastewater.pdf

Tracy,

I have reviewed the documents you sent (attached) in regards to the Kimberly Wastewater Project. As this land is already committed to urban development and utilizes existing rights of way, concerns regarding prime farmland and the Farm Protection Policy Act do not apply.

Shawn J. Nield
State Soil Scientist/Snow Survey Program Manager
USDA-NRCS-Idaho
9173 W. Barnes Drive, Suite C
Boise, ID 83709
208-378-5728

Useful links

[NRCS National Soil Health Page](#)

[NRCS Idaho Soil Health Page](#)

[Web Soil Survey](#)

[Soil Data Viewer](#)

[NRCS Idaho Snow Survey](#)

[Conservation Webinars](#)

[Farmland Protection Policy Act](#)

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J·U·B ENGINEERS, INC.

J·U·B COMPANIES



**THE
LANGDON
GROUP**



**GATEWAY
MAPPING
INC.**

March 10, 2016

Mr. Shawn J. Nield
USDA-NRCS
9173 West Barnes Dr, Suite C
Boise, ID 83709

RE: City of Kimberly Wastewater Collection System Improvement Project – Request for Comments for Preparation of an Environmental Information Document

Mr. Shawn J. Nield,

The City of Kimberly is in the final planning phase of replacing part of their wastewater collection system which will be funded by the U.S. Army Corps of Engineers and the City of Kimberly. The purpose of this letter is to request your review and response regarding any environmental impacts that your agency may identify for this proposed project.

The proposed wastewater collection system improvement project is located in the City of Kimberly (Twin Falls County, Idaho) and consists of the following improvements:

- Open-cut and replace approximately 2,590 lineal feet of deteriorating sewer pipe along Wilson Road, Monroe Street West and in an alley between Main Street North and Chestnut Street North perpendicular to Monroe Street East.
- As funds allow, an additional approximate 1,150 lineal feet of sewer line could be replaced using open-cut methods along Monroe Street East, in an alley between Oak Street North and Elm Street North and in an alley between Chestnut Street North and Birch Street.

The project is being proposed to address deteriorating wastewater collection lines. The open-cut method of replacing a collection line involves digging a trench along the existing line, temporarily blocking the line and/or by-pass pumping the wastewater flow around the work area, removing the existing line, placing a new line in the same trench and reconnecting existing sewer services. The slope of the new line may be adjusted to improve the flow characteristics of the system. The trench is then back-filled and any existing surface is repaired (ie asphalt, gravel, etc). Existing manholes between collection line replacement segments will be evaluated for proper elevation and for structural integrity and will be replaced as needed. Enclosed is a map of the area that depicts the proposed project improvements and area of potential effect for all construction activities.

We request that you advise us of any comments that you may have regarding this project within thirty (30) days, so the City of Kimberly can proceed with the completion of the project.

If you have any questions concerning this proposed project or if you need any further information, please contact Tracy Ahrens at taa@jub.com or 208-733-2414 at your convenience.

Sincerely,

Tracy A. Ahrens, P.E.
Project Manager

Encl: City of Kimberly Proposed Collection System Improvements Project Map

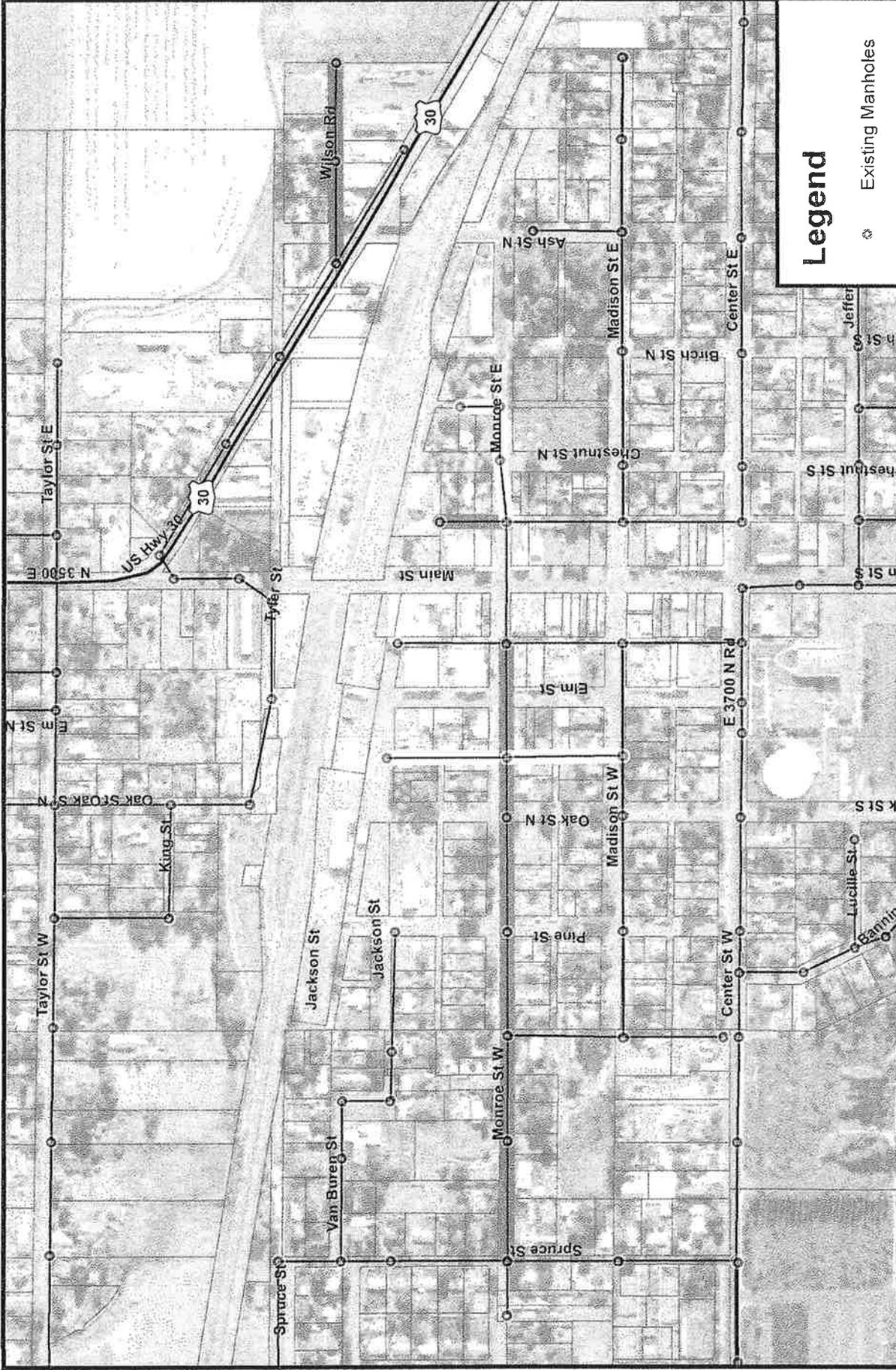


CITY OF KIMBERLY PROPOSED COLLECTION SYSTEM IMPROVEMENT PROJECT



Legend

- Existing Manholes
- Existing Sewer Lines
- Priority 1 Lines
- Priority 2 Lines



Tracy Ahrens

From: David Mabe - NOAA Federal <david.mabe@noaa.gov>
Sent: Monday, March 21, 2016 8:26 AM
To: Tracy Ahrens
Subject: City of Kimberly Wastewater Collection System Improvement Project

Tracy,

NMFS does not have any listed species in your project area. Thank you for your inquiry.