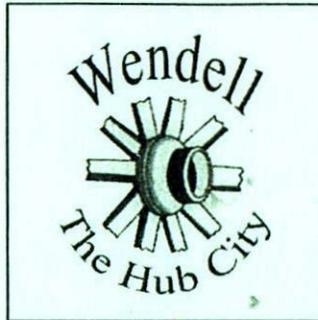


CITY OF WENDELL



Addendum to the Environmental Information Document

May 2013

Project No. 60-07-074



J-U-B ENGINEERS, INC.



**THE
LANGDON
GROUP**
a J-U-B Company



**GATEWAY
MAPPING
INC.**
a J-U-B Company

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CITY OF WENDELL

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Contents		Page
1.0	CITY OF WENDELL WASTEWATER SYSTEM IMPROVEMENTS	1-1
1.0.1	Project Planning Area.....	1-1
1.1	ORIGINAL WASTEWATER SYSTEM IMPROVEMENTS.....	1-3
1.1.1	Original Wastewater System Improvements.....	1-3
1.1.2	Original Treatment Facility: Upgrade Existing Lagoon/Land Application Site and Provide Storage.....	1-6
1.2	ADDITIONAL WASTEWATER COLLECTION SYSTEM IMPROVEMENTS	1-7
1.2.1	Frontage Road Sewer	1-7
1.2.2	Frontage Road Sewer Probable Cost Of Construction.....	1-10
2.0	ENVIRONMENTAL IMPACTS AND MITIGATION OF THE ADDITIONAL FRONTAGE ROAD SEWER COLLECTION LINE.....	2-1
2.1	GENERAL LAND USE	2-2
2.2	PRIME FARMLAND	2-2
2.3	FLOODPLAINS	2-2
2.4	WETLANDS.....	2-2
2.5	CULTURAL RESOURCES: HISTORICAL AND NATIVE RESOURCES	2-2
2.6	BIOLOGICAL RESOURCES: THREATENED, ENDANGERED, CRITICAL HABITATS.....	2-2
2.7	WATER QUALITY	2-3
2.8	SOCIO-ECONOMICS AND ENVIRONMENTAL JUSTICE.....	2-3
2.9	AIR QUALITY AND NOISE	2-4
2.10	PUBLIC HEALTH	2-5
2.11	PHYSICAL ASPECTS: TOPOGRAPHY, GEOLOGY, SOILS	2-5
2.12	CLIMATE	2-5
2.13	POPULATION GROWTH	2-5
2.14	WILD AND SCENIC RIVERS	2-5
2.15	RECREATION AND OPEN SPACES	2-5
2.16	ENERGY AND ENERGY EFFICIENT DESIGN.....	2-5
2.17	REGIONALIZATION	2-5
2.18	HAZARDOUS MATERIALS.....	2-6
 Figures		 Page
1-1	COLLECTION SYSTEM PLANNING AREA FOR THE CITY.....	1-2
1-2	RECOMMENDED COLLECTION SYSTEM IMPROVEMENTS.....	1-4
1-3	RECOMMENDED AREAS FOR CLEANING AND VIDEO INSPECTION.....	1-5
1-4	ADDITIONAL COLLECTION SYSTEM IMPROVEMENTS.....	1-9
 Tables		 Page
1-1	FRONTAGE ROAD SEWER CONSTRUCTION COSTS	1-10
1-2	ERU'S ADDED WITH THE FRONTAGE ROAD SEWER	1-10
2-1	SOCIAL PROFILE	2-2
 Appendix		 A

PROJECT SCOPE

1.0 CITY OF WENDELL WASTEWATER SYSTEM IMPROVEMENTS

1.0.1 Project Planning Area

The Project Planning area that was included as **Figure 4-3** in the original Environmental Information Document (EID) includes the service area located south of Interstate 84 and east of State Highway 46 in the 20-Year Planning Area. **Figure 1-1** included with this EID Update shows the revised 20-Year Planning Area which includes the Frontage Road (3000 South Road) from Highway 46 to the wastewater treatment facility. This area encompasses the original 12-inch sewer replacement with 18-inch pipe and the new 12-inch sewer to along the Frontage Road.

20 YEAR
PLANNING AREA

CITY
LIMITS

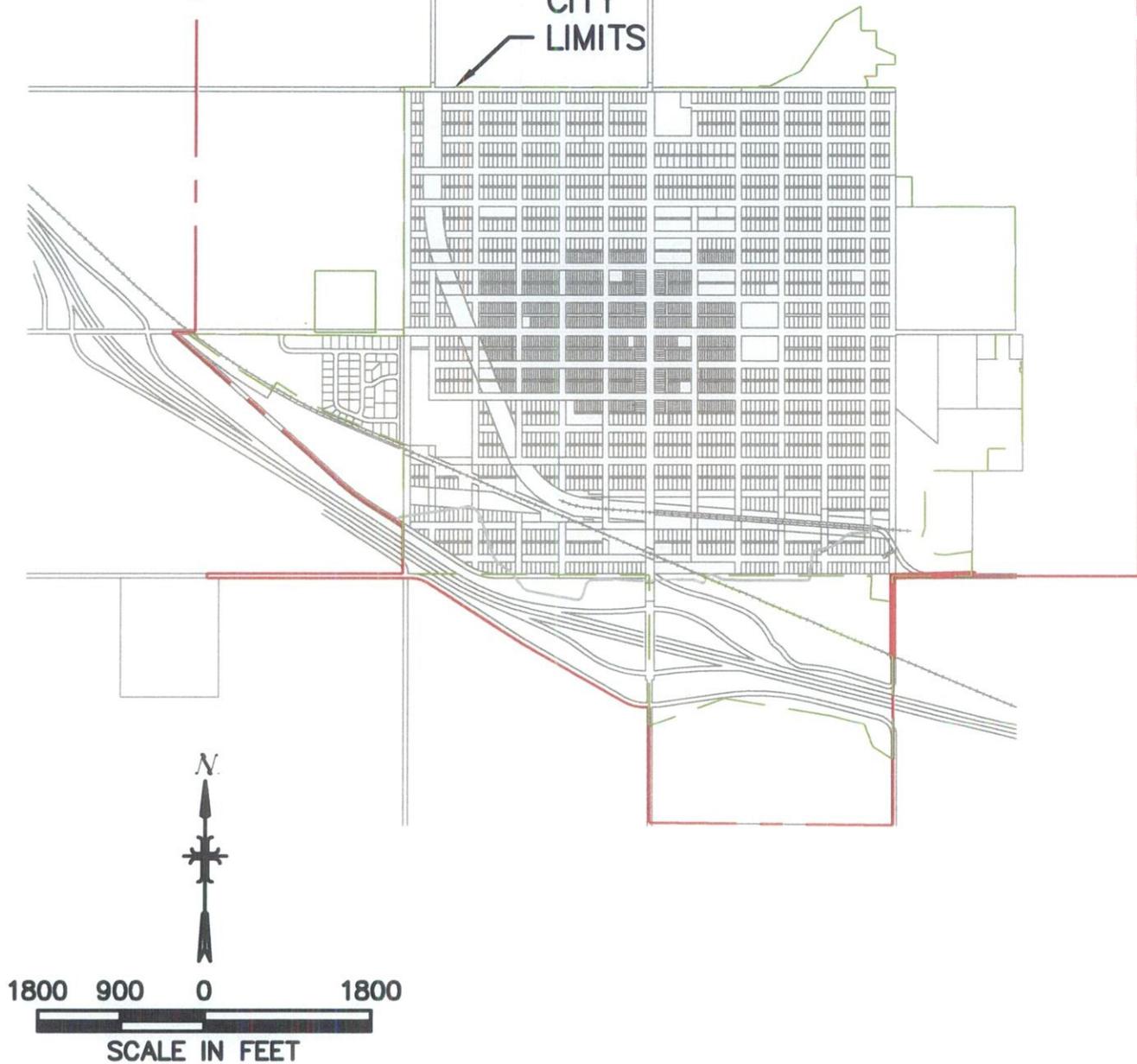


FIGURE 1-1
COLLECTION SYSTEM PLANNING AREA
FOR THE CITY OF WENDELL

1.1 ORIGINAL WASTEWATER SYSTEM IMPROVEMENTS

1.1.1 Original Wastewater System Improvements

Several of the existing collection system lines have hydraulic capacity limitations under both the existing and future flow conditions. If no improvements are made to these lines (No Action Alternative), it may lead to bottlenecks in the flow. This may potentially cause wastewater to surcharge in the lines and back up into the main and service lines. This also increases the potential for plugging of the sewer lines. Lines with grade problems may also cause surcharging and the deposition of solids due to low velocities. As such, improvements to these lines are required to provide an effective and safe system for collecting sanitary flows in the community. The recommended collection system improvements include:

1. Replacing the 12-inch line segments and manholes along Shoshone Street with new 12-inch PVC pipe to correct for grade problems. As shown in **Figure 1-2**, approximately four line segments must be replaced to correct the grades.
2. Replacing the 12-inch line segments of the main trunk line along the 3000 South Road from 1900 East Road to the treatment plant with new 18-inch PVC pipe. It is anticipated that an 18-inch line should provide adequate hydraulic capacity to handle the peak hour flows based on an estimated 40-year population growth projection at an annual growth rate of 2.25 percent.
3. Cleaning and video inspecting those lines identified in the priority areas as shown in **Figure 1-3**. Once the condition of the lines has been assessed, it is recommended that the City replace or rehabilitate those lines that are deteriorated.

There are several methods available for replacing or rehabilitating gravity sewer lines, each with relative advantages and disadvantages. The appropriateness of each technique is dependent on the nature of the required repairs, surface and subsurface conditions, site access, costs, construction requirements, and environmental impacts. These methods are as follows:

- Alternative 1: No Action; this alternative would not improve the collection system.
- Alternative 2: Remove the existing deteriorated pipe and replace it with new pipe.
- Alternative 3: Rehabilitate the existing pipe in-place (in-situ) with new pipe (i.e., pipe bursting, liners, etc.).

The in-situ alternative, Alternative 3, was eliminated from further consideration for the lines currently identified above (#1 and #2) since this method is typically not appropriate for correcting grade problems and it may be difficult to increase the size of a line from 12-to 18-inches with pipe bursting. As such, the improvements for those lines will involve open trenching to remove and replace the existing pipes, Alternative 2.

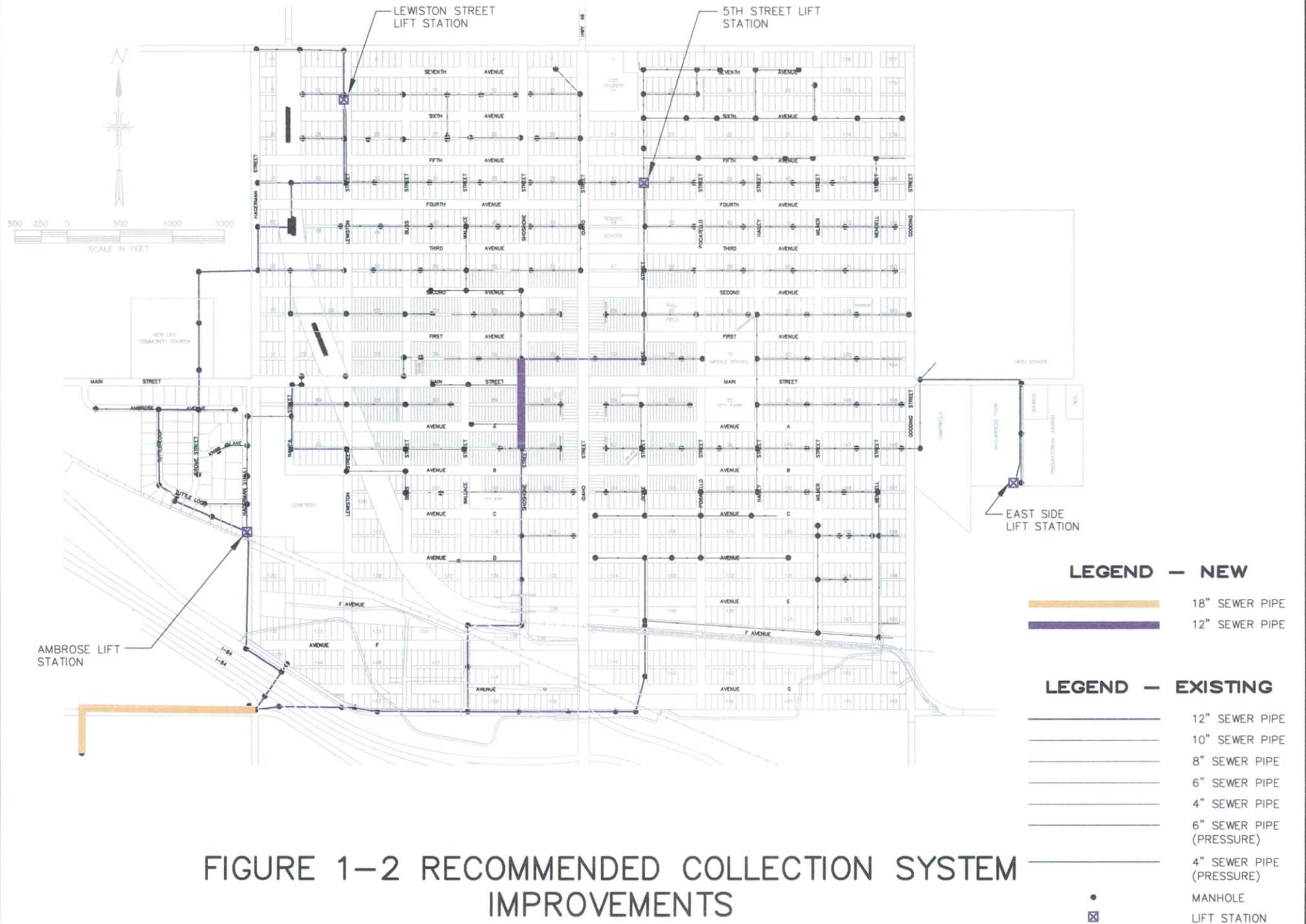


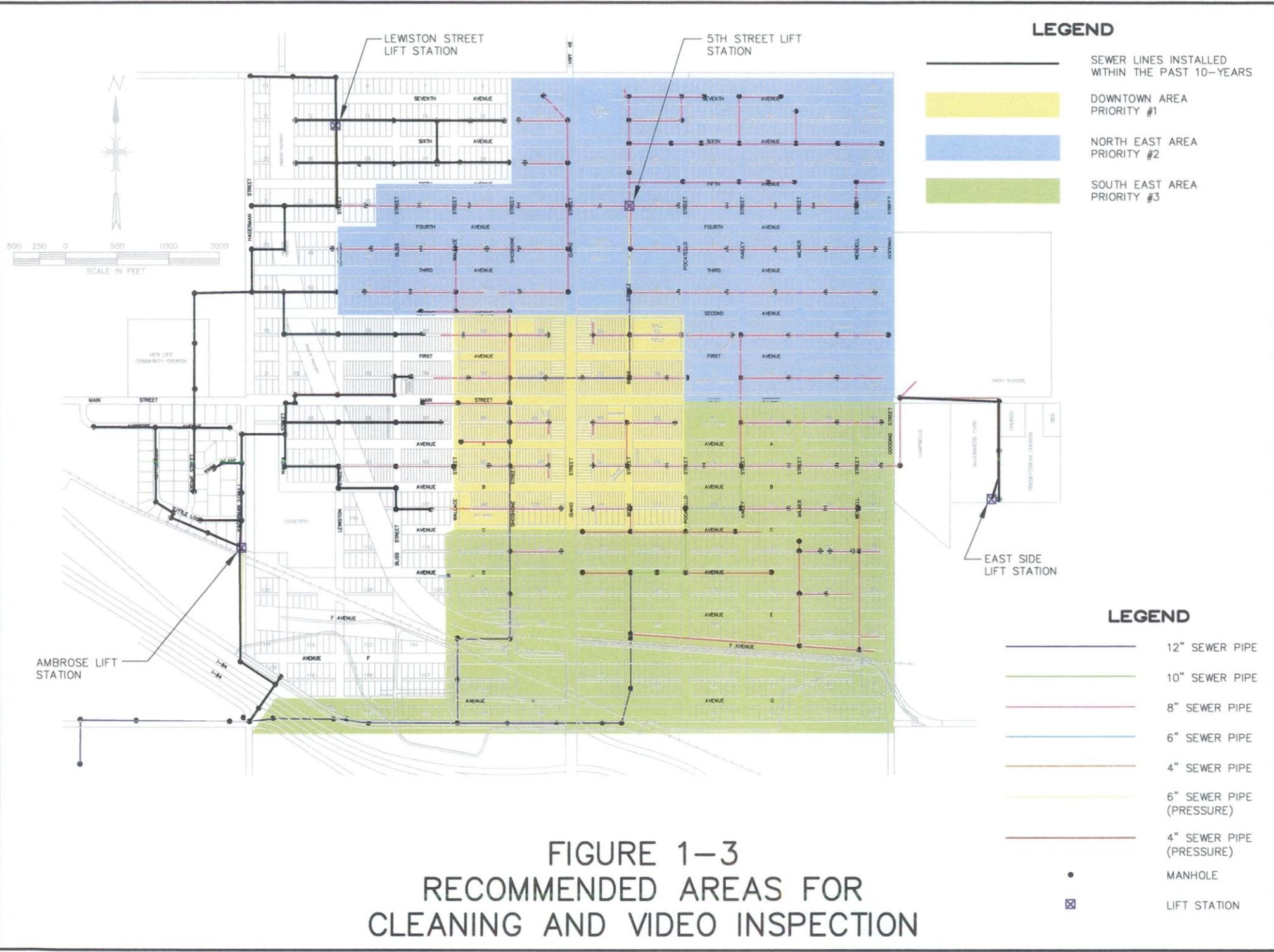
FIGURE 1-2 RECOMMENDED COLLECTION SYSTEM IMPROVEMENTS

LEGEND — NEW

- 18" SEWER PIPE
- 12" SEWER PIPE

LEGEND — EXISTING

- 12" SEWER PIPE
- 10" SEWER PIPE
- 8" SEWER PIPE
- 6" SEWER PIPE
- 4" SEWER PIPE
- 6" SEWER PIPE (PRESSURE)
- 4" SEWER PIPE (PRESSURE)
- MANHOLE
- X LIFT STATION



LEGEND

- SEWER LINES INSTALLED WITHIN THE PAST 10-YEARS
- DOWNTOWN AREA PRIORITY #1
- NORTH EAST AREA PRIORITY #2
- SOUTH EAST AREA PRIORITY #3

LEGEND

- 12" SEWER PIPE
- 10" SEWER PIPE
- 8" SEWER PIPE
- 6" SEWER PIPE
- 4" SEWER PIPE
- 6" SEWER PIPE (PRESSURE)
- 4" SEWER PIPE (PRESSURE)
- MANHOLE
- ☒ LIFT STATION

FIGURE 1-3
RECOMMENDED AREAS FOR
CLEANING AND VIDEO INSPECTION

1.1.2 Original Treatment Facility: Upgrade Existing Lagoon/Land Application Site and Provide Storage

The following outlines the required improvements to the existing treatment lagoons and land application system. The resulting reclaimed wastewater would be suitable for Class C reuse. The effluent would most likely not be suitable for rapid infiltration basins and any groundwater mitigation credit. The following upgrades are needed:

- **Plant Headworks:** Installation of an ultrasonic level sensor and monitoring device in the plant headworks for the 6-inch influent Parshall flume.
- **Lagoon Solids Removal:** Removal and disposal of solids from Lagoon Cells #1 and #2.
- **Lagoon Aeration in Cells #1 and #2:** Replace the existing aspirating type aerators in Cell #1 with larger horsepower axial flow, or splash, type aerators that provide a higher rate of oxygen transfer. Install axial flow aerators in Cell #2 to provide additional treatment capacity and redundancy in the system. Install 3 or 4 units of the nine 25 hp axial flow surface aerators, which the City has purchased, in both Cell #1 and Cell #2. *The design of the facility resulted in 4–10 hp and 1–5 hp aerator in Cell #1.*
- **Abandonment of Cell #3:** Abandon Cell #3 because it does not meet the maximum allowable seepage rate of 0.125 in/day specified in IDEQ's current policy. It is anticipated that this will require modifications to the transfer structure and piping between lagoons, demolition of Pump Station #1 and removal of solids.
- **Lining of Cells #4 and #5:** Line Cells #4 and #5 with an HDPE liner, to allow for future wastewater storage during the non-growing season. It was assumed that these lagoons would have their solids removed and then lined with an HDPE liner to minimize seepage losses and to permit a fill-and-draw operation. *Cells #4 and #5 were seepage tested and passed, and they will not be lined.*
- **Storage Volume:** Construct a new HDPE lined lagoon to meet storage volume requirements. Locate the new lagoon on the South Site.
- **Land Application Site:** Procure the 240 acres located south of the existing South Site as a new land application area to provide the necessary irrigated acreage, since a new lagoon will be located on the South Site. Abandon the existing canals and settling pond located on the southern boundary of the new land application site. Retain the settling pond in the northeast corner to provide supplemental irrigation water. There are reportedly 240 canal shares associated with the site, which should be included in the purchase of the land. Expand the City's Area of Impact so they have some control over development surrounding the site. As an alternative, they could negotiate an agreement with Gooding County to restrict development around the site such that the buffer zones are minimized. *The settling pond in the northeast corner was expanded in Phase I of the construction.*
- **Land Application System:** A new irrigation pump station at the new storage lagoon. A 10-inch pressure sewer main from the irrigation pump station to the land application site and two new 20 hp pumps.
- **Supplemental Canal Water for Land Application Site:** Supplemental canal water may be required, such as the 240 acres associated with the site, to grow a healthy crop in the new land application site since phosphorus is the limiting factor that controls the land area requirements and existing effluent volumes are low. *Phase I of the construction included 2 new pump stations to supply reuse and irrigation water.*

- **Disinfection System:** A new contact chamber for disinfection and a new metering pump located in the new irrigation pump station.
- **Irrigation Pump Station:** A new pump station building (approximately 16-feet by 20-feet) and wet-well. Two new 90 hp irrigation pumps rated at approximately 1,280 gpm and 180-feet of total dynamic head. Piping, fittings, controls and flow meter.
- Additional improvements recommended for the lagoons and land application system include:
 - Site fencing (4-string barb wire) around the land application site to keep wildlife, debris and unauthorized personnel from entering the site.
 - Three groundwater monitor wells around the land application site to monitor potential impacts on the aquifer from the land application practices. One well will be located up-gradient of the site and two wells will be located down-gradient of the site.
 - A wheel line irrigation system for the new land application site. Wheel lines will allow the City to drop end sections to irrigate around the uneven buffer zones at the boundaries of the site. The existing pivots most likely will not allow the City to provide the necessary buffer zones. As such, they will be removed and sold.
 - Gravel access roads to the new storage lagoon and land application site.
 - Site power for the irrigation pump station and disinfection facilities.

Phase I of the construction included 2 new pump station facilities and utilized the existing, center pivot irrigation systems. Existing domestic wells around located around the 240-acre site will used for ground monitoring; therefore, at this time no monitoring wells were drilled.

1.1.3 Revision to Original Treatment Facility Design Flows

The original EID was based on the estimated existing wastewater flow of 0.30 MGD and an estimated 20 year future growth to 0.46 MGD. New flow data was provided by the City which allowed the estimated flow to be revised to a current amount of 0.243 MGD and with a 20 year growth to 0.377 MGD.

1.2 ADDITIONAL WASTEWATER COLLECTION SYSTEM IMPROVEMENTS

1.2.1 Frontage Road Sewer

The proposed additional collection system work will provide sewer service to existing businesses adjacent to the City Limits that do not currently have sewer service. The construction work location is shown in **Figure 1-4** and will include:

- Replace the 194 linear feet of existing 12-inch with 18-inch gravity sewer main crossing the 3000 South Road from manhole C6-06 to C6-07 connecting to the new 18-inch sewer included in the original collections system improvement project. This new section would also be re-graded to lower the invert of manhole C6-06.
- Construct 2650 linear feet of 12-inch gravity sewer along the 3000 South Road (Frontage Road) to State Highway 46.
- Horizontal bore and install 250 linear feet of 16-inch casing pipe under the State Highway 46 / Interstate 84 overpass embankment and install a 12-inch gravity sewer through the bore.
- Construct 2100 linear feet of 12-inch sewer along the 3000 South Road (Frontage Road) east of State Highway 46.

- Provide sewer service stub outs to the property lines of the five existing businesses located along the 3000 South Road.

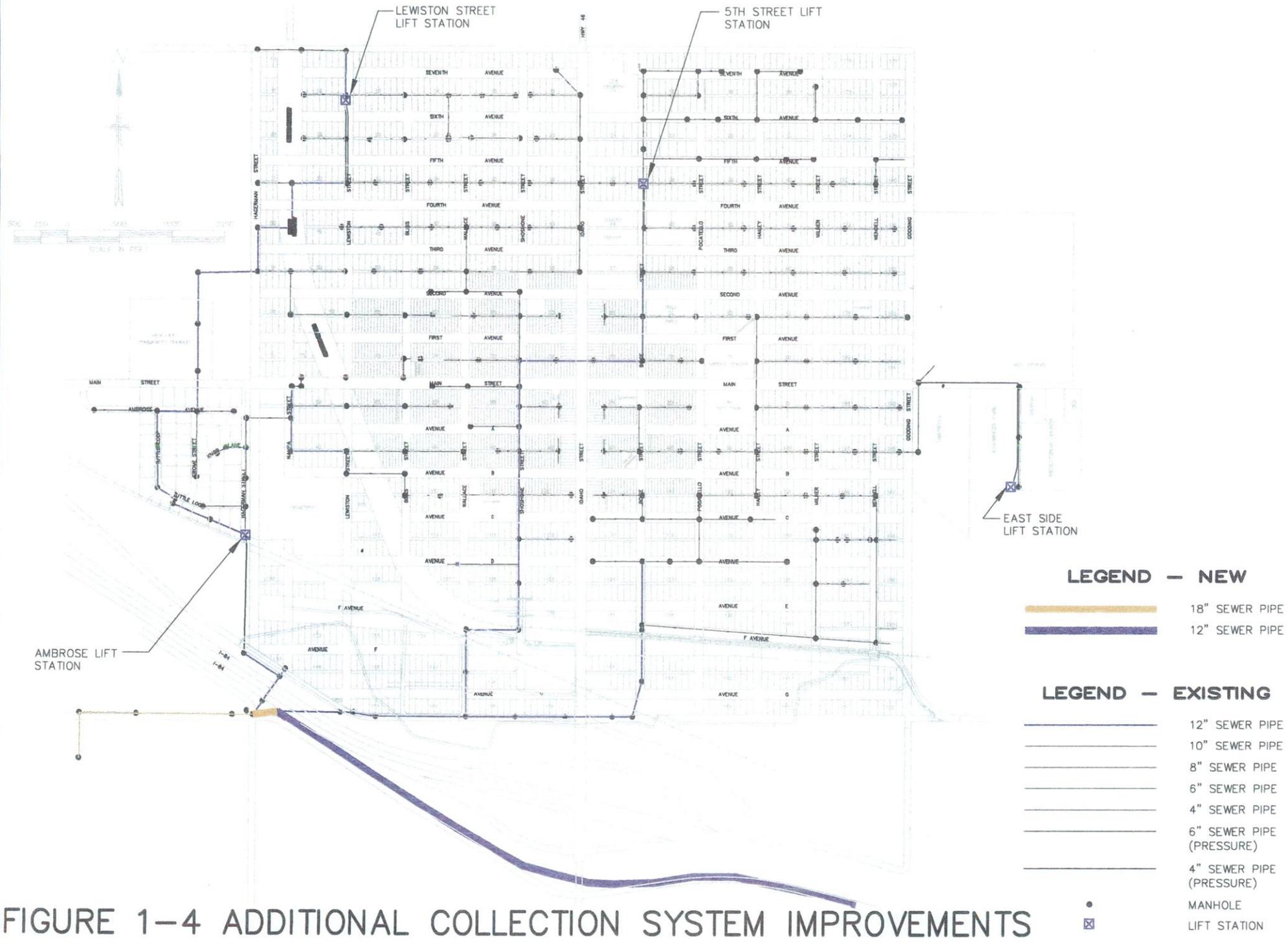


FIGURE 1-4 ADDITIONAL COLLECTION SYSTEM IMPROVEMENTS

LEGEND — NEW

- 18" SEWER PIPE
- 12" SEWER PIPE

LEGEND — EXISTING

- 12" SEWER PIPE
- 10" SEWER PIPE
- 8" SEWER PIPE
- 6" SEWER PIPE
- 4" SEWER PIPE
- 6" SEWER PIPE (PRESSURE)
- 4" SEWER PIPE (PRESSURE)
- MANHOLE
- LIFT STATION

All the additional collection system construction will occur within the existing road right-of-way that was previously excavated and graded during the Interstate 84 road construction.

1.2.2 Frontage Road Sewer Probable Cost of Construction

Table 1-1 summarizes the estimated cost of the construction of this additional sewer collection line.

TABLE 1-1 FRONTAGE ROAD SEWER CONSTRUCTION COST

Item	Estimated Quantity	Unit	Unit Price	Total Price
Collection System - Frontage Road to Campbell Tractor				
Remove 12 Inch Piping, Install 18 Inch Piping	194	LF	\$60.00	\$11,640
Temporary 12 Inch By-Pass Sewer Line	150	LF	\$60.00	\$9,000
Remove and Replace Manholes	1	EA	\$3,000.00	\$3,000
Surface Repair - Type "P"	190	LF	\$30.00	\$5,700
12" Sewer Main	5000	LF	\$32.00	\$160,000
4' Manhole w/ Ring and Cover	13	EA	\$2,200.00	\$28,600
State Highway Bore	250	LF	\$300.00	\$75,000
Trench Rock Removal	1539	CY	\$110.00	\$169,286
Surface Repair - Type "D"	2500	LF	\$30.00	\$75,000
Surface Repair - Type "E"	95	LF	\$6.00	\$570
Sewer Service	3	EA	\$400.00	\$1,200
Traffic Control	40	DAYS	\$300.00	\$12,000
Sub-Total Construction Costs				\$550,996
Contractor Mob & Demob, Insurance, Bonds (25%)				\$137,749
Contingencies (10%)				\$55,100
Total Construction Cost				\$743,845

The effect of the additional sewer collection system construction will have on users' rates depends on several variables that are unknown at this time. The additional cost will be paid for out of either loan and/or grant funds. The source of funding and ratio of loan to bond will be determined after the City agrees to the extent of the Phase 3 portion of the construction. The sewer flows that will be added with the new services will increase the total number of ERU's and spread the cost of the total project to more users. The estimated additional ERU's from this collection system are summarized in Table 1-2.

TABLE 1-2 ERU'S ADDED WITH THE FRONTAGE ROAD SEWER

Connecting Business	ERU's
Farmhouse Restaurant	3.2
Valley Country Store	1.5
Campbell Tractor	1.4
K & D General Truck Repair	1.0
Dutch Garden Florist	1.5

2.0 ENVIRONMENTAL IMPACTS AND MITIGATION OF THE ADDITIONAL FRONTAGE ROAD SEWER COLLECTION LINE

2.1 GENERAL LAND USE

The planned improvements to the collection system are in accordance with the land use plans for the City of Wendell. The right-of-ways where the new collection lines are to be installed are owned by the Wendell Highway District, and State of Idaho (ITD). Therefore, there will be no impacts to land not already used for transportation and utilities, and as such, no mitigation is necessary.

Care must be taken in areas where the new collection line is to be installed to avoid damage to utility lines, sewer lines, or other underground utilities. Coordination with utility companies will be required.

2.2 PRIME FARMLAND

The construction of the new sewer collection line is all within the existing road right-of-way and will not infringe upon any farmland.

2.3 FLOODPLAINS

The Federal Emergency Management Agency (FEMA) indicated that flood zone maps are not available for the Wendell area. There are no known floodplains within the Study Area. Therefore, the improvement alternatives would not result in any impacts to designated floodplains.

2.4 WETLANDS

The project area was mapped using the U.S. Fish and Wildlife Service Wetlands Mapper website. A copy of the map is included in **Appendix A**. No wetlands were indicated in the project area. Therefore, the improvement alternatives would not result in any impacts to designated wetlands.

2.5 CULTURAL RESOURCES: HISTORICAL AND NATIVE RESOURCES

Under the improvement alternatives, there would be no direct or indirect impacts to the eligible cultural resources or historic properties in the Study Area because no improvements would affect any cultural resources or historic properties. There are no cultural resources or historic properties located within the Project Area, which is located on the existing road right-of-way. No mitigation is required because no direct impacts to cultural resources would occur from the proposed construction/installation.

The Idaho State Historic Preservation Office (SHPO) was contacted for comment regarding the addition to the project area. Their response is included in **Appendix A** of this update.

2.6 BIOLOGICAL RESOURCES: THREATENED, ENDANGERED, CRITICAL HABITATS

Under the proposed collection line installation, there would be no direct or indirect impacts to the threatened or endangered species, critical habitats, or other wildlife listed for Gooding County. No mitigation is required because no direct impacts to threatened or endangered species, critical habitats, or other wildlife would occur from the proposed construction/installation of the Frontage Road Collection Line.

Some disturbance to flora (vegetation) will occur. Flora impacts will be associated with the installation of the sewer line along the 3000 South Road. Disturbances to vegetation will be mitigated by re-vegetating affected areas.

Appendix A includes a memo from the Idaho Department of Environmental Quality that identifies the threatened and endangered species listed by the U.S. Fish and Wildlife Service. The memo states that the proposed project will have NO EFFECT on the threatened or endanger species located in Gooding County, Idaho.

2.7 WATER QUALITY

No surface water impacts are anticipated. Region 10 of the Environmental Protection Agency (EPA) has been consulted in regards to the Sole Source Aquifer designation of the Eastern Snake River Plain Aquifer that underlies the project area. A copy of the Sole Source Aquifer Checklist that was submitted to EPA is included in **Appendix A**.

The response from the Environmental Protection Agency (EPA) regarding the Sole Source Aquifer Checklist that was submitted to them and their response will be added to **Appendix A** when it is received. The EPA had no comments other than reiterating the need to acquire the necessary Idaho State permits.

2.8 SOCIO-ECONOMICS AND ENVIRONMENTAL JUSTICE

The area’s economy is based primarily on the agricultural and service industries. Some of the businesses located within the Planning Area include financial institutions, lodging facilities, restaurants, service stations, convenience stores, beauty shops, grocery stores, veterinarians, a library, real estate agencies, insurance agencies, hardware stores, auto repair shops and child care facilities. Industries located in the area include Valley Beef, Aces Dairy Towels, and an onion processing plant.

Tourism and recreation are also contributors to the area’s economy. The Snake River provides for various recreational opportunities that support the local economy, including boating, fishing, swimming and water-skiing. Other recreational activities available within the area include hunting, camping and hiking.

Table 2-1 summarizes a social profile of the City of Wendell.

TABLE 2-1 SOCIAL PROFILE^a

Parameter	Value
Sex	
Male	1,421
Female	1,361
Total Population	2,782
Age	
Under 5 years	249
5 to 9 years	239
10 to 14 years	216
15 to 19 years	227
20 to 24 years	200
25 to 34 years	176
35 to 44 years	194
45 to 54 years	148
55 to 59 years	156

60 to 64 years	144
65 to 74 years	196
75 to 84 years	146
85 years and over	52
Median Age	31.9
Race	
Caucasian	2,063
African-American	5
American Indian and Alaska Native	38
Asian	7
Native Hawaiian and Other Pacific Islander	5
Other	609
Housing	
Total Housing Units	1,054
Occupied Housing Units	978
Vacant Housing Units	76
Seasonal, Recreational or Occasional Use	6
Home Owner Vacancy Rate (%)	2.9
Rental Vacancy Rate (%)	9.3
Owner Occupied Housing Units	628
Renter Occupied Housing Units	350

a. Data from 2010 U.S. Census.

According to the 2010 USCB data, 17.4% of households in Wendell were at or below the HHS poverty level of \$22,314 for a family of four in 2010. The median income level of Wendell for 2010 was \$46,250 (USCB 2010).

Ethnic minority population data from the 2010 USCB was reviewed, and approximately 24% of the population qualifies for this status. However, it appears that no disadvantaged group will be adversely affected by the recommended addition to the existing wastewater collection system. In addition, it is not expected that any specific population segment will benefit from the collection system addition project. However, the community in general will reap some benefits by improvements and accessibility of the wastewater collection facilities.

2.9 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. Dust control will be minimized, when possible, by dampening roads with water or by other Idaho Department of Environmental Quality recommendations. Debris created by construction should not be burned, but transported to a disposal area to avoid further air pollution. The project will not create exceedances of any federal or state emission standard in the Project Area, and does not violate any National Ambient Air Quality Standards (NAAQS). The Wendell area is within an air quality attainment area and would not fall under the requirements of a State Implementation Plan (SIPP).

Noise in Wendell is generally limited to normal traffic and commercial activities in the area. The construction involved with the improvement alternatives will likely temporarily increase the noise along the road where collection system improvement will occur.

2.10 PUBLIC HEALTH

South Central District Health regulates onsite septic tank and drainfield sewage disposal systems in Gooding County. They were consulted regarding the possible effect to Public Health from the proposed construction. They stated that the existing septic systems serving the 5 existing businesses would be required to be properly abandoned after connection to the City collection line. A copy of their response is included in **Appendix A**.

2.11 PHYSICAL ASPECTS: TOPOGRAPHY, GEOLOGY, SOILS

The added sewer collection line will only have a temporary effect on the topography, geology, and soils of the Planning Area. The new collection line will be constructed along the existing road right-of-way and the disturbed areas will be backfilled and reseeded. The added sewer collection line is configured and designed to accommodate the physical aspects of the community.

2.12 CLIMATE

Climate conditions are not expected to result in a concentration of air pollutants leading to an identified air quality problem or violated of any NAAQS as a result of construction. There are no identified meteorological constraints that would affect the feasibility of the recommended alternatives.

2.13 POPULATION GROWTH

The Planning Area typically has a stable year-round population and experiences little, if any, seasonal population fluctuations. Under the improvement alternatives, there will be no negative impacts to population growth in Wendell.

2.14 WILD AND SCENIC RIVERS

No surface water sources within the Wendell area are classified as wild and scenic rivers. Therefore, there will be no impacts to wild and scenic rivers.

2.15 RECREATION AND OPEN SPACES

There is no recreational open space, parks, or areas of recognized scenic or recreational value within the Project Area. Therefore, the proposed project will not eliminate or modify any designated recreational open space, park, or area of recognized scenic or recreational value.

2.16 ENERGY AND ENERGY EFFICIENT DESIGN

The additional gravity sewer collection line will not require any additional pumping or energy.

2.17 REGIONALIZATION

There are no jurisdictional disputes or controversies over the project or within the Project Area. Intermunicipal agreements have not been signed relating to this project. The improvement alternatives are not proposed to impact agreements or create jurisdictional disputes.

2.18 HAZARDOUS MATERIALS

The addition of the sewer collection line to the project will not create additional hazardous materials or add hazardous materials to the existing sewer treatment facility.

APPENDIX A

Agency coordination

Agency (request, response)	Page (request, response)
Communication Log	1
Environmental Protection Agency	2-6
DEQ Threatened and Endangered Species	7-9
Idaho State Historic Preservation Office	10-14
South Central Public Health District	11-15
Project Description (sent to all agencies)	16
Map of the Proposed Collection System Improvements (sent to all agencies)	17-18
U.S. Fish and Wildlife Service Wetlands Map	19

COMMUNICATION LOG

Agency coordination

Agency (request, response)	Media Type (request)	Response
Environmental Protection Agency	Email 5/6/2013	
IDEQ – Threatened and Endangered Species	Phone 1/31/2013	Email 1/31/2013
Idaho State Historic Preservation Office	Letter 2/14/2013	Letter 3/7/2013
South Central Public Health Department	Letter 2/14/2013	Letter 2/25/13

Sole Source Aquifer Checklist

1. Location and name of Sole Source Aquifer or Source Area.
Eastern Snake River Plain Aquifer
2. Project Description.
*City of Wendell Wastewater System Upgrade – Sewer Collection System Addition
See Attached Project Description*
3. Is there any increase of impervious surface? If so, what is the area?
No increase in impervious surface
4. Describe how storm water is currently treated on the site?
Storm water is primarily contained in the road side ditch along the sewer collection system addition route. Excess runoff may reach the irrigation ditches and North Side Canal Company laterals that run through the area.
5. How will storm water be treated on this site during construction and after the project is complete?
Storm water will continue to be held in the road side ditch. Entrances to irrigation ditches and laterals will be protected from silt intrusion using the applicable best management practices (BMP's) for silt retention the is appropriate for the location. The BMP's will remain in place until the construction area is revegetated.
6. Are there any underground storage tanks present or to be installed? Include details of such tanks?
No underground tanks are known to exist in the project area.
7. Will there be any liquid or solid waste generated? If so how will it be disposed of?
No liquid or solid waste should be generated
8. What is the depth of excavation?
Excavation of up to 15 feet deep through road embankment
9. Are there any wells in the area that may provide direct routes for contaminants to access the aquifer and how close are they to the project?
No documented wells along the collection system addition construction route.
10. Are there any hazardous waste sites in the project area...especially if the waste site has an underground plume with monitoring wells that may be disturbed? Include details.

The Idaho Department of Environmental Quality database has no record of leaky underground storage tanks within the project area. The EPA Enviromapper database indicates one RCRA notifier is presently located in the project area.

11. Are there any deep pilings that may provide access to the aquifer?

No deep pilings

12. Are Best Management Practices planned to address any possible risks or concerns?

BMP's will be implemented in accordance with an SWPPP plan provided by the contractor.

13. Is there any other information that could be helpful in determining if this project may have an affect on the aquifer?

This project will add the sewer effluent from 5 businesses to the existing City of Wendell wastewater treatment plant. Those 5 businesses currently dispose of their sewage with septic systems and drain fields.

14. Does this Project include any improvements that may be beneficial to the aquifer, such as improvements to the wastewater treatment plant?

The elimination of the above mentioned septic system drainfields will reduce the potential of groundwater contamination by the pathogens and minerals that may be present in the sewage discharge.

The EPA Sole Source Aquifer Program may request additional information if impacts to the aquifer are questionable after this information is submitted for review.

**CITY OF WENDELL, IDAHO
WASTEWATER FACILITIES IMPROVEMENT PROJECT
ADDITIONAL WASTEWATER COLLECTION SYSTEM IMPROVEMENTS**

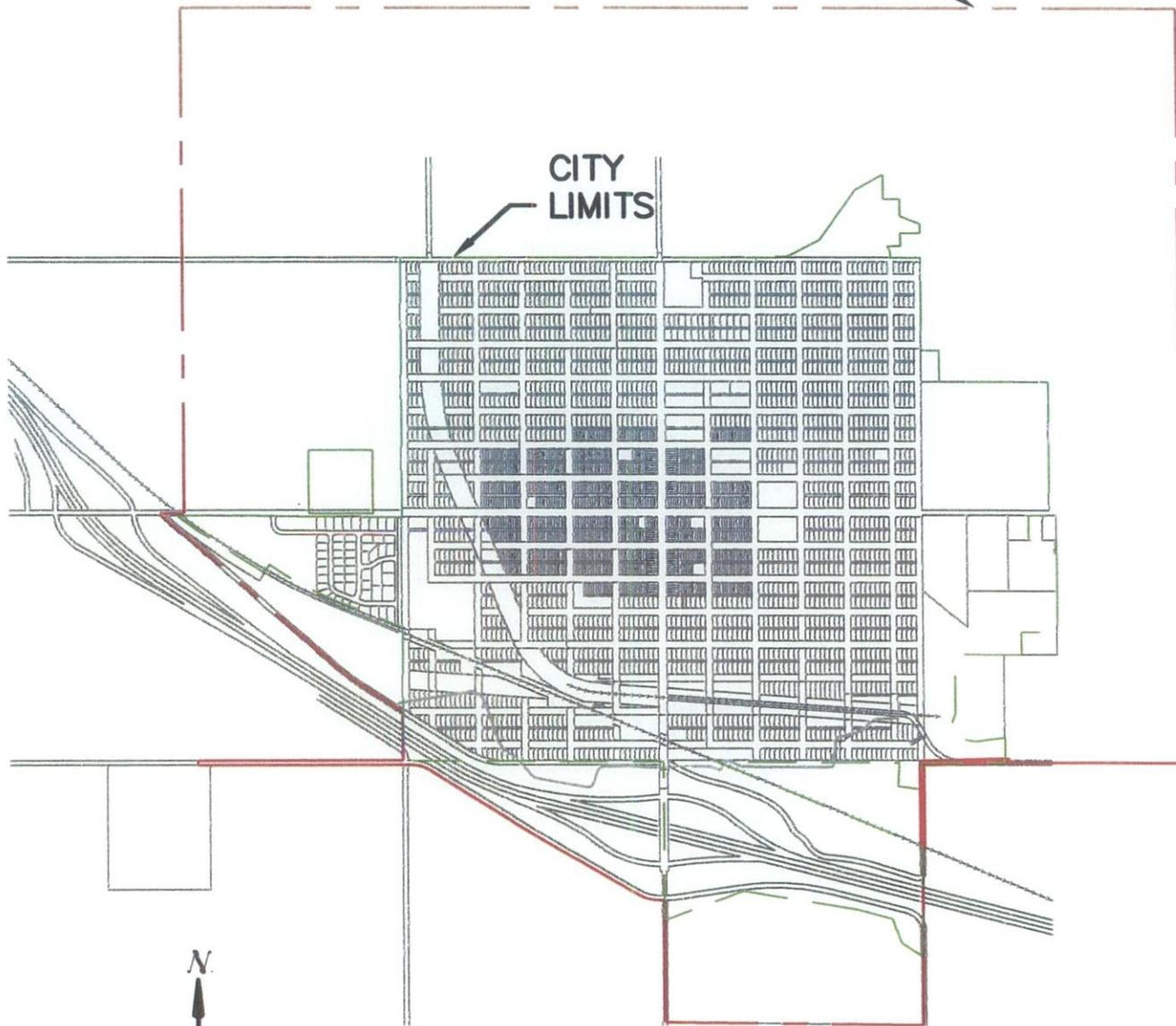
Frontage Road Sewer

The proposed additional collection system work will provide sewer service to existing businesses adjacent to the City Limits that do not currently have sewer service. The construction work location is shown in **Figure 1-4** and will include:

- Replace the 194 linear feet of existing 12-inch gravity sewer main crossing the 3000 South from manhole C6-06 to C6-07 connecting to the new 18-inch sewer included in the original collections system improvement project. This new section would also be re-graded to lower the invert of manhole C6-06.
- Construct 2650 linear feet of 12-inch gravity sewer along the 3000 South Road (Frontage Road) to State Highway 46.
- Horizontal bore and install 250 linear feet of 16-inch casing pipe under the State Highway 46 / Interstate 84 overpass embankment and install a 12-inch gravity sewer through the bore.
- Construct 2100 linear feet of 12-inch sewer along the 3000 South Road (Frontage Road) east of State Highway 46.
- Provide sewer service stub outs to the property lines of the five existing businesses located along the 3000 South Road.

20 YEAR
PLANNING AREA

CITY
LIMITS



1800 900 0 1800
SCALE IN FEET

FIGURE 1-1
COLLECTION SYSTEM PLANNING AREA
FOR THE CITY OF WENDELL

MEMO

TO: REX HARDING AND ROBERT HEGSTROM
FROM: ESTER CEJA 
SUBJECT: THREATENED/ENDANGERED SPECIES AND ESSENTIAL FISH
HABITAT
DATE: JANUARY 31, 2013

The U.S. Fish and Wildlife threatened and endangered species list dated 11/28/2012 was used for determining endangered and threatened species within Gooding County. The Banbury Springs Lanx and the Snake River Physa are endangered. The Bliss Rapids Snail is threatened. All three species are known to be found or believe to occur in Gooding County, more specifically along the Snake River stretch within Gooding County. The City of Wendell, located in Gooding County, proposed project improvement involves connecting businesses along the Frontage Road on the south side of Interstate 84 to the city's wastewater collection system. The work will consist of collection line installation along the roadway easement of which is not located immediately next to the Snake River stretch, nor is it located near a surface body of water leading to the Snake River. The proposed project will have NO EFFECT on the threatened and endangered species listed for Gooding County.

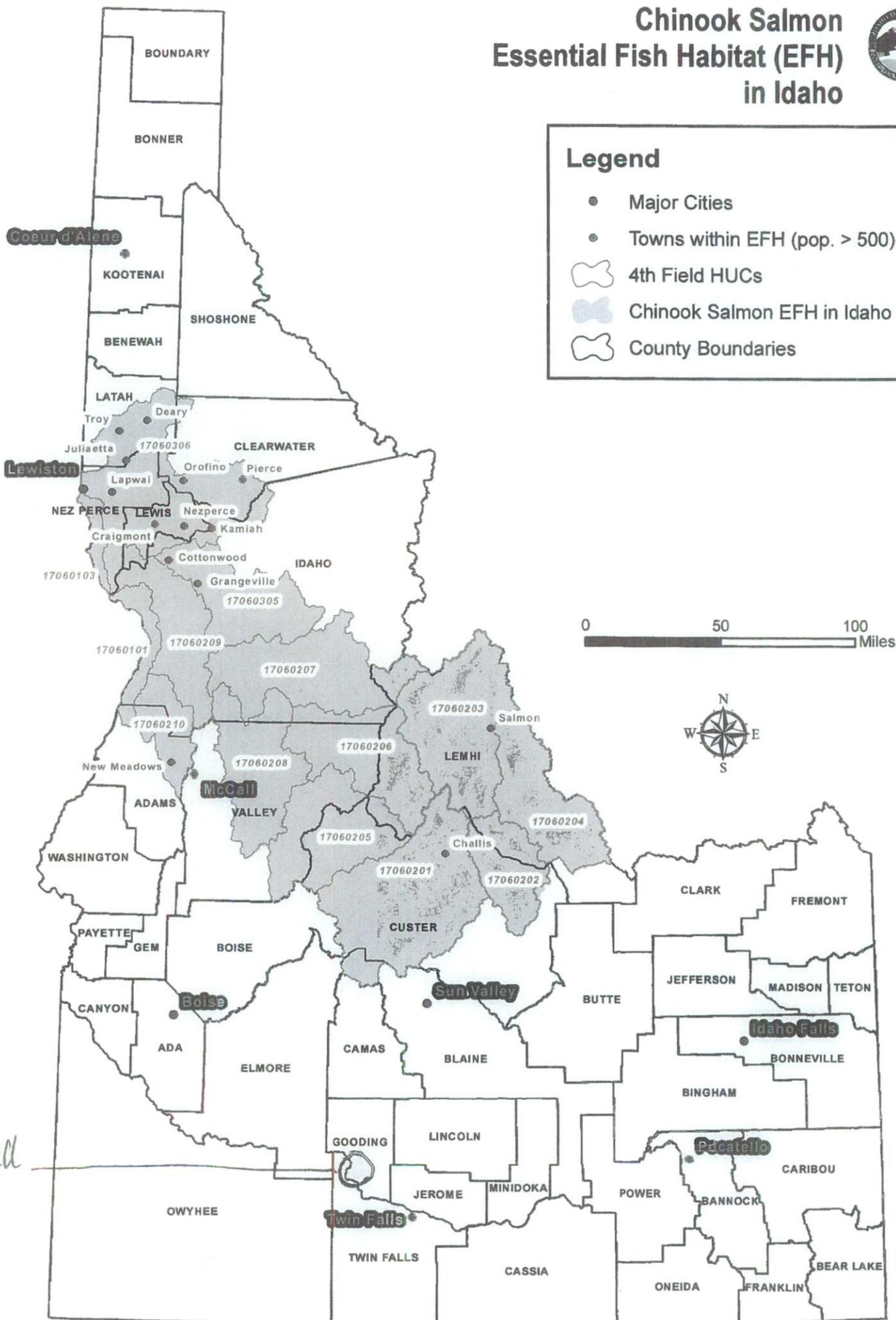
The City of Wendell's wastewater system improvement is not located within Essential Fish Habitat (EFH) for Chinook Salmon as identified in the EFH map attached.

Chinook Salmon Essential Fish Habitat (EFH) in Idaho



Legend

- Major Cities
- Towns within EFH (pop. > 500)
- 4th Field HUCs
- Chinook Salmon EFH in Idaho
- County Boundaries



This species list was revised by the USFWS on 11/28/2012, and is valid for 90 days after 01/31/2013.

U.S. Fish and Wildlife Service • Idaho Fish and Wildlife Office
CANDIDATE, PROPOSED AND LISTED SPECIES & PROPOSED AND DESIGNATED CRITICAL HABITAT IN IDAHO

Common Name	Scientific Name	Herps		Birds		Mammals				Fish		Mollusks			Plants				
Columbia Spotted Frog (Great Basin Population)	<i>Rana luteiventris</i>																		
Greater Sage-Grouse	<i>Centrocercus urophasianus</i>																		
Yellow-Billed Cuckoo	<i>Coccyzus americanus</i>																		
Canada Lynx	<i>Lynx canadensis</i>																		
Grizzly Bear	<i>Ursus arctos horribilis</i>																		
Northern Idaho Ground Squirrel	<i>Spermophilus brunneus brunneus</i>																		
Selkirk Mountains Woodland Caribou	<i>Rangifer tarandus caribou</i>																		
Southern Idaho Ground Squirrel	<i>Spermophilus brunneus endemicus</i>																		
North American Wolverine	<i>Gulo gulo luscus</i>																		
Bull Trout	<i>Salvelinus confluentus</i>																		
Kootenai River White Sturgeon	<i>Acipenser transmontanus</i>																		
Banbury Springs Lanx	<i>Lanx sp.</i>																		
Bliss Rapids Snail	<i>Taylorconcha serpenticola</i>																		
Bruneau Hot Springsnail	<i>Pyrgulopsis bruneauensis</i>																		
Snake River Physa	<i>Haitia (Physa) natricina</i>																		
Goose Creek Milkvetch	<i>Astragalus anserinus</i>																		
MacFarlane's Four-O'Clock	<i>Mirabilis macfarlanei</i>																		
Packard's Milkvetch	<i>Astragalus cusickii var. parkardiae</i>																		
Spalding's Catchfly	<i>Silene spaldingii</i>																		
Ute Ladies'-Tresses	<i>Spiranthes diluvialis</i>																		
Water Howellia	<i>Howellia aquatilis</i>																		
Whitebark Pine	<i>Pinus albicaulis</i>																		

Table Key: C=Candidate Species P=Proposed Species T=Threatened Species E=Endangered Species PCH=Proposed Critical Habitat DCH=Designated Critical Habitat



J-U-B ENGINEERS, INC.

J-U-B COMPANIES



THE
LANGDON
GROUP



GATEWAY
MAPPING
INC.

February 14, 2012

Ms. Suzi Pengilly Neitzel, Deputy State Historic Preservation Officer and Compliance Coordinator
State of Idaho Historical Society
210 Main Street
Boise, ID 83702-7264

Subject: Environmental Information Document for
City of Wendell Wastewater Facilities Improvements
Additional Collection Main Construction

Dear Ms. Suzi Pengilly,

The City of Wendell is in the process of updating the environmental review pursuant to the National Environmental Policy Act for the USDA, Rural Development; State of Idaho Department of Environmental Quality; and the Idaho Community Development Block Grant Program, in order that it may assess the environmental impacts of the proposed addition to the Wastewater Facility Improvements in the City of Wendell, Gooding County, Idaho.

Background

The original EID prepared for the project included the replacement of two stretches of existing sewer collection mains. This EID update is in regards to the addition of the construction of a new sewer collection line along the 3000 South (Frontage Road) to serve existing businesses located south of Interstate 84.

Update

The Project Planning area that was included as Figure 2-2 in the original Environmental Information Document (EID) included the service area located south of Interstate 84 and east of State Highway 46 in the 20-Year Planning Area. Figure 1-1 included with this EID Update shows the revised 20-Year Planning Area which includes the Frontage Road (3000 South Road) from Highway 46 to the wastewater treatment facility. This area encompasses the original 12" sewer replacement with 18" pipe and the new 12" sewer to along the Frontage Road.

The proposed additional collection system work will provide sewer service to existing businesses adjacent to the City Limits that do not currently have sewer service. The construction work location is shown in Figure 1-4 and will include:

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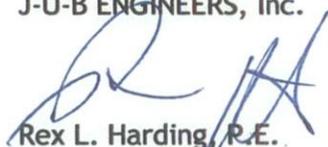
- Construct 2100 linear feet of 12" sewer along the 3000 South Road (Frontage Road) east of State Highway 46.
- Provide sewer service stub outs to the property lines of the five existing businesses located along the 3000 South Road.

Please note that all other potential improvements are replacements on ground that was previously disturbed during the construction of Interstate 84 and the adjacent frontage roads. The improvements will be constructed within the existing road right of ways.

The City of Wendell requests the assistance of your office in identifying the issues associated with cultural and historic resources as they relate to the construction of the additional sewer collection mains. Please provide any recommendations you may have to mitigate or avoid these impacts.

We would appreciate a response as soon as possible. If you need any further information or wish to discuss the project, please contact Rex L. Harding, P.E. at (208) 733-2414.

Sincerely,
J-U-B ENGINEERS, Inc.



Rex L. Harding, P.E.
Project Engineer

Encl. Figure 1-1. Project Planning Area
Figure 1-4. Additional Collection Line Location

CC. Rob Hegstrom, J-U-B Engineers
Ester Ceja, IDEQ State Office, Boise

20 YEAR
PLANNING AREA

CITY
LIMITS

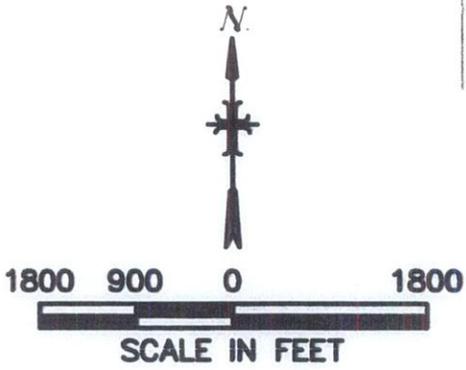
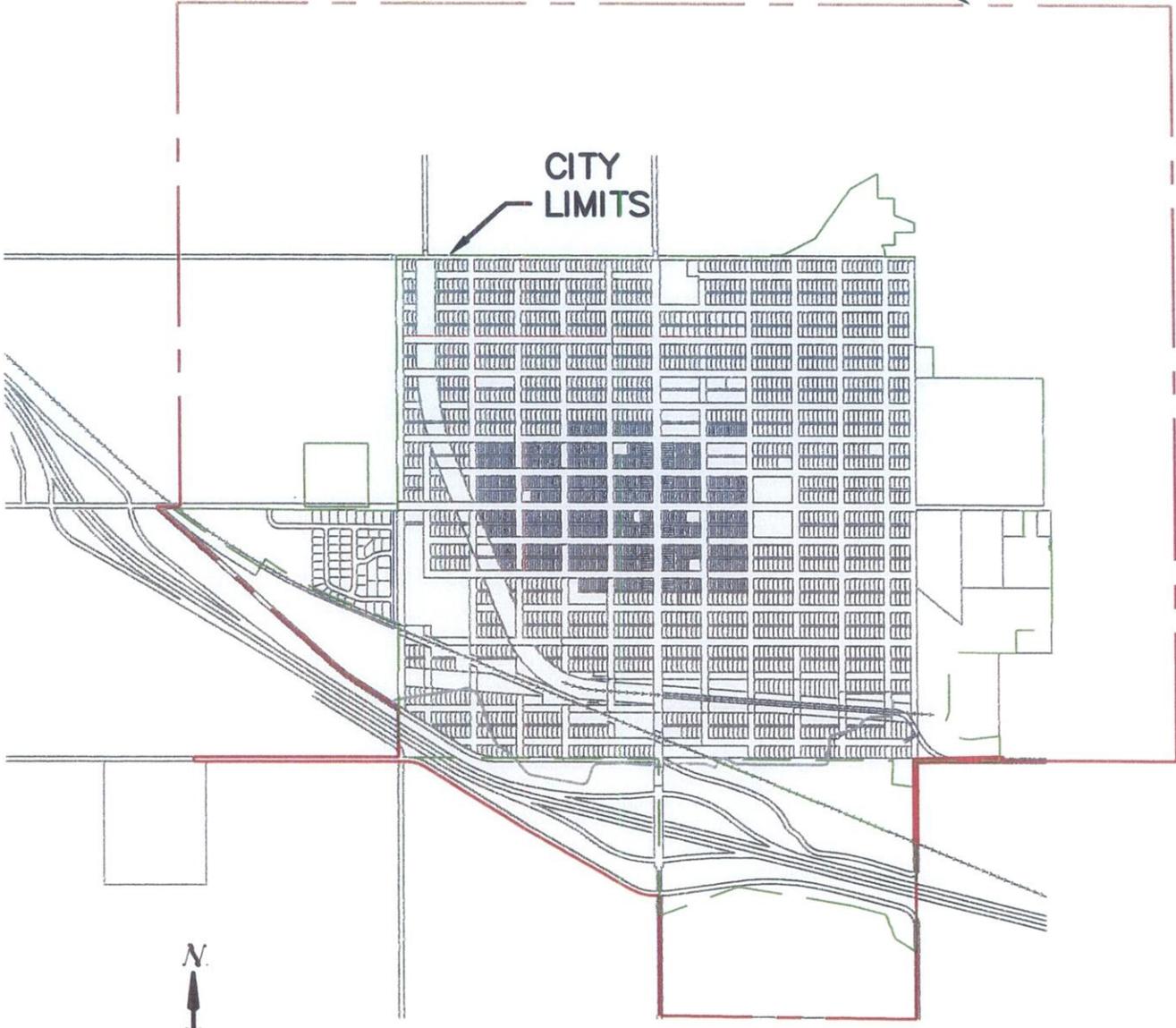


FIGURE 1-1
COLLECTION SYSTEM PLANNING AREA
FOR THE CITY OF WENDELL



FIGURE 1-4 ADDITIONAL COLLECTION SYSTEM IMPROVEMENTS

LEGEND — NEW

-  16" SEWER PIPE
-  12" SEWER PIPE

LEGEND — EXISTING

-  12" SEWER PIPE
-  10" SEWER PIPE
-  8" SEWER PIPE
-  6" SEWER PIPE
-  4" SEWER PIPE
-  6" SEWER PIPE (PRESSURE)
-  4" SEWER PIPE (PRESSURE)
-  MANHOLE
-  LIFT STATION



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



Historical Society is an
Equal Opportunity Employer.

DATE: March 7, 2013
TO: Rex Harding, JUB
FEDERAL AGENCY: EPA
PROJECT NAME: City of Wendell Wastewater Facilities Improvement,
Wendell, Idaho

Section 106 Evaluation

The field work and documentation presented in this report meet the Secretary of the Interior's Standards.

No additional investigations are recommended. Project can proceed as planned.

Additional information is required to complete the project review. (See comments below.)

Additional investigations are recommended. (See comments below.)

Identification of Historic Properties (36 CFR 900.4):

No historic properties were identified within the project area.

Property is not eligible. Reason:

Property is eligible for listing in the National Register of Historic Places.

Criterion: _ A _ B _ C _ D Context for Evaluation:

No historic properties will be affected within the project area.

Assessment of Adverse Effects (36 CFR 800.5):

Project will have *no adverse effect* on historic properties.

Property will have an *adverse effect* on historic properties. Additional consultation is required.

Comments:
Your archaeological consultant should be notified immediately if archaeological remains are discovered during construction.


Susan Pengilly, Deputy SHPO
State Historic Preservation Office

3/7/2013
Date



J-U-B ENGINEERS, INC.

J-U-B COMPANIES



THE
LANGDON
GROUP



GATEWAY
MAPPING
INC.

February 14, 2012

Mr. Richmond Petty
South Central Public Health District
255 North Canyon Drive
Gooding, Idaho 83330

Subject: Environmental Information Document for
City of Wendell Wastewater Facilities Improvements
Additional Collection Main Construction

Dear Mr. Petty,

The City of Wendell is in the process of updating the environmental review pursuant to the National Environmental Policy Act for the USDA, Rural Development; State of Idaho Department of Environmental Quality; and the Idaho Community Development Block Grant Program, in order that it may assess the environmental impacts of the proposed addition to the Wastewater Facility Improvements in the City of Wendell, Gooding County, Idaho.

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Please note that all other potential improvements are replacements on ground that was previously disturbed during the construction of Interstate 84 and the adjacent frontage roads. The improvements will be constructed within the existing road right of ways.

The City of Wendell requests the assistance of your office in identifying the issues associated with existing septic systems and groundwater effects as they relate to the construction of the additional sewer collection mains. Please provide any recommendations you may have to mitigate or avoid these impacts.

We would appreciate a response as soon as possible. If you need any further information or wish to discuss the project, please contact Rex L. Harding, P.E. at (208) 733-2414.

Sincerely,
J-U-B ENGINEERS, Inc.



Rex L. Harding, P.E.
Project Engineer

Encl. Figure 1-1. Project Planning Area
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CC. Rob Hegstrom, J-U-B Engineers
Ester Ceja, IDEQ State Office, Boise

20 YEAR
PLANNING AREA

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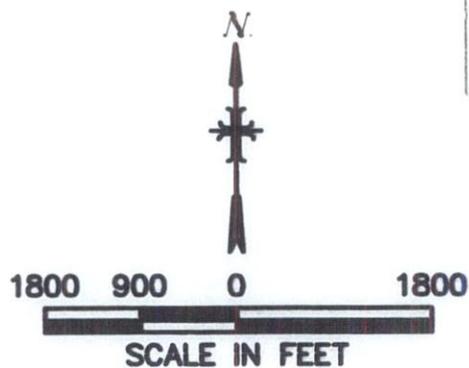
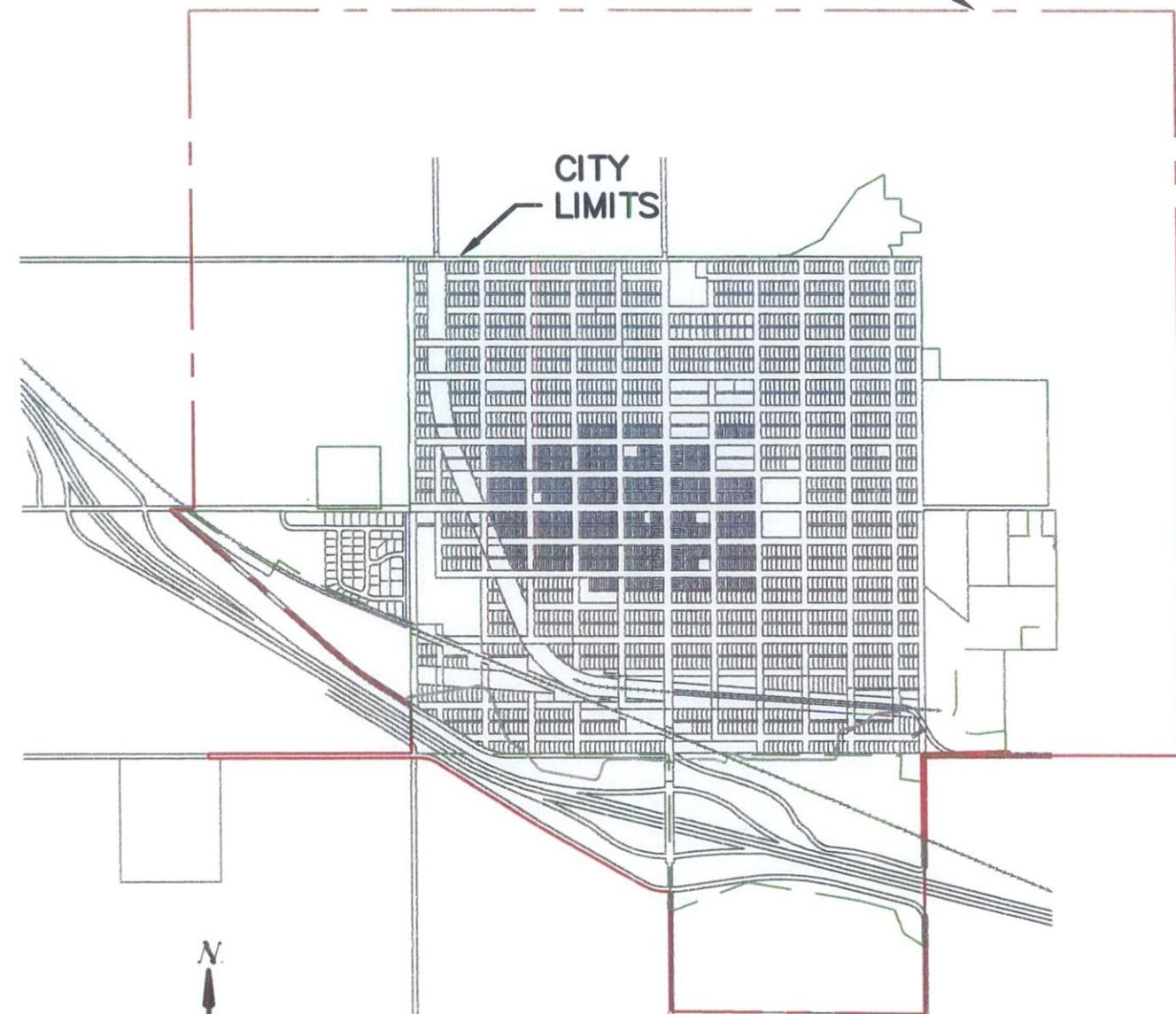


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FOR THE CITY OF WENDELL

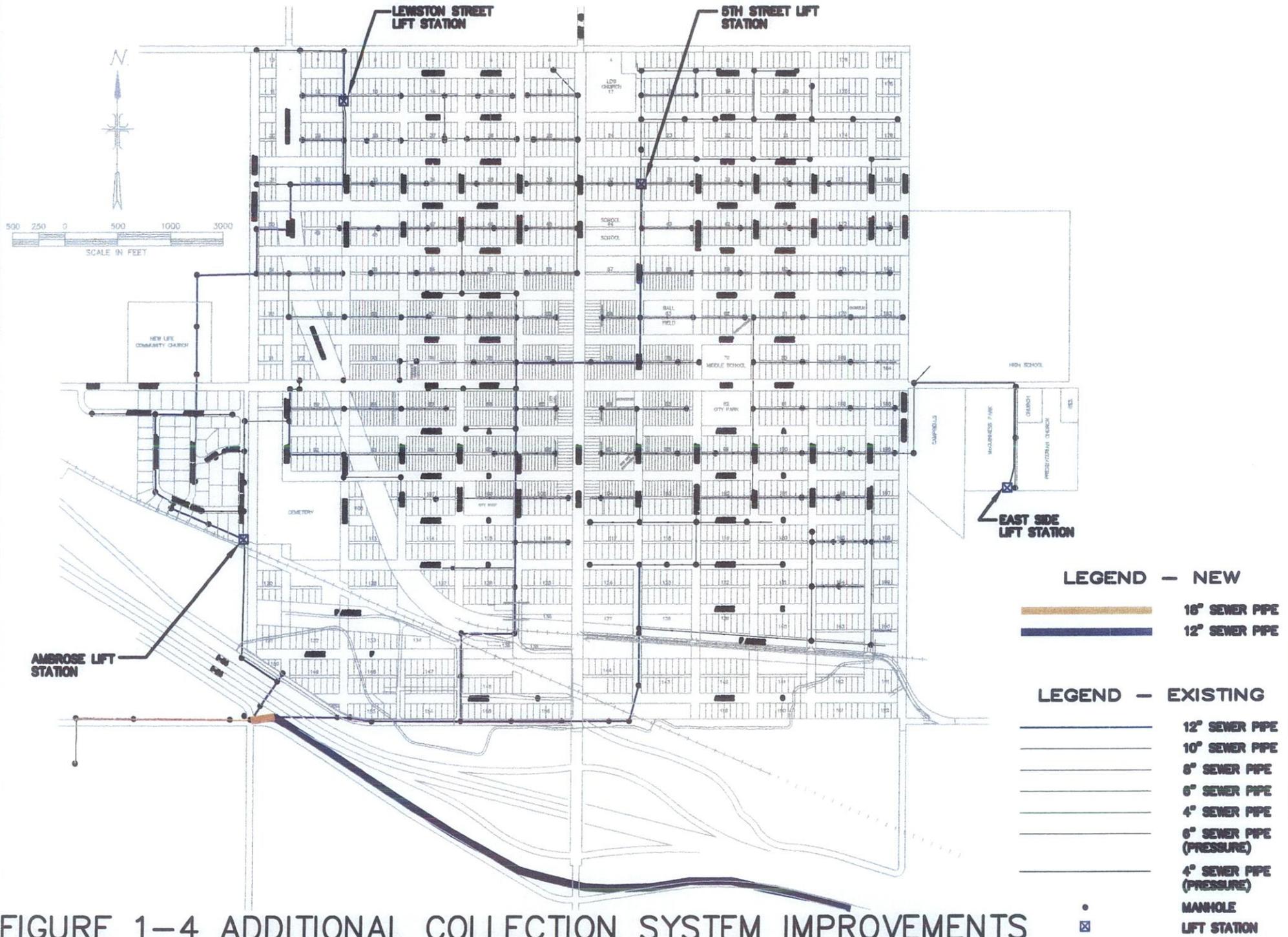


FIGURE 1-4 ADDITIONAL COLLECTION SYSTEM IMPROVEMENTS



South Central Public Health District

Prevent. Promote. Protect.



Public Health
Prevent. Promote. Protect.
Idaho Public Health Districts

February 25, 2013

J.U.B. ENGINEERS
RECEIVED

REX HARDING
J-U-B ENGINEERS, INC.
115 NORTHSTAR AVENUE
TWIN FALLS, ID 83301

FEB 27 2013

TWIN FALLS, IDAHO

Dear Mr. Harding,

The health department has reviewed the J-U-B Engineers Inc. plans for the proposed sewer project, which extends the City of Wendell's sewer collection line along Frontage Road (3000 South Road) from Highway 46 to serve the five existing businesses located south of Interstate 84. The proposed sewer project will be in compliance provided the following conditions are met.

- Upon connection to city sewer, existing septic tanks will need to be properly abandoned.
Disconnection of the inlet and outlet piping;
Pumping of the scum and septage with approved disposal;
Filling the septic tank with earthen materials; or
Physically destroying the septic tank or removing the septic tank from the ground.
(IDAPA 58.01.03.007.23)
- Effluent lines must meet the following separation distances:
Well – Other: 50'
Well – Public: 100'
Water Distribution Line – Other: 10'
Water Distribution Line – Public: 25' (IDAPA 58.01.03.007.17)

The five existing businesses currently have permitted septic systems with individual wells providing potable water and these permits are on file at the Gooding Office. The Farmhouse Restaurant and Valley Country Store share a well and it is an established Public Water System (ID5240034).

Please let me know if you need any further assistance.

Sincerely,

Richmond Petty, REHS/RS
South Central Public Health District
208-737-5913

**CITY OF WENDELL, IDAHO
WASTEWATER FACILITIES IMPROVEMENT PROJECT
ADDITIONAL WASTEWATER COLLECTION SYSTEM IMPROVEMENTS**

Frontage Road Sewer

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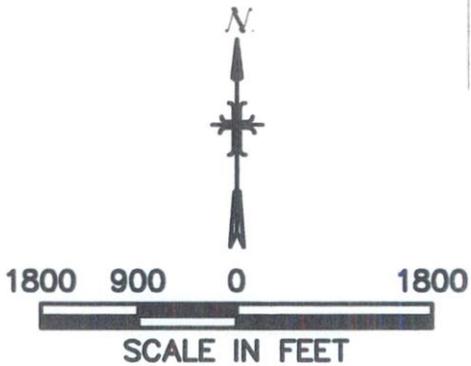


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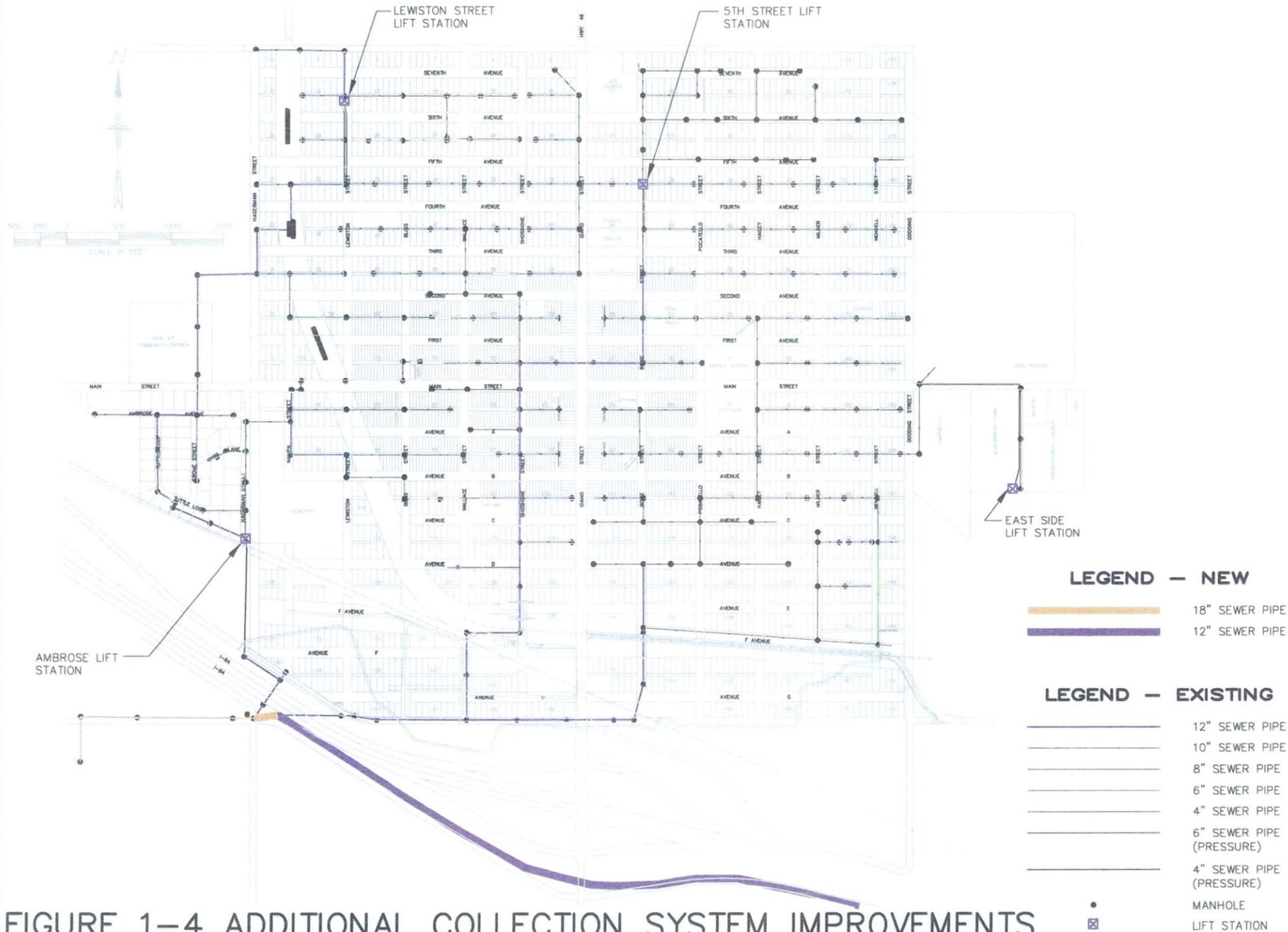


FIGURE 1-4 ADDITIONAL COLLECTION SYSTEM IMPROVEMENTS



U.S. Fish and Wildlife Service

National Wetlands Inventory

CITY OF WENDELL
EID UPDATE

May 3, 2013



Wetlands

-  Freshwater Emergent
-  Freshwater Forested/Shrub
-  Estuarine and Marine Deepwater
-  Estuarine and Marine
-  Freshwater Pond
-  Lake
-  Riverine
-  Other

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

User Remarks: