UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8
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February 8, 2012

Riverton City, Utah – Water Pump Station Project

Categorical Exclusion for Special Appropriation Act Grant

For categories of projects that are so minor in scope that they may be determined by EPA not to need a full environmental review. EPA makes the determination if a project will qualify for a Categorical Exclusion based on information provided by the grantee.

Project Description:

[Information from the Epic Engineering, Trevor Andra, email to Dana Allen, 10/10/11]

Riverton City, Utah is proposing to install a secondary water pump station to correct pressure deficiencies in the city's secondary water system. The secondary water system is used for watering lawns and gardens, and it serves all residential and commercial lots within the city boundaries. The secondary water system reduces the amount of potable drinking water needed for the city. The city's current secondary water system was constructed between 1999 and 2008 through a design build contract. The proposed Utah Lake Distribution Canal (ULDC) pump station capacity is 2,000 gallons per minute which is less than 10% of the city's existing secondary water system which has a capacity of over 20,000 gallons per minute. The source of additional secondary water is the Utah Lake Distributing Canal which delivers water from Utah Lake to its shareholders in the Salt Lake Valley. Riverton City owns water rights to water in the Utah Lake Distribution Canal.

Project location:

The proposed ULDC Pump Station will be located along 11800 South at Midas Creek Park (3300 West) in Riverton City.

Purpose and Need:

The purpose and need for the pump station is to increase existing pressure deficiencies in Zone 2 (see attached Figure "Pressure Zones") of the city's secondary water system during the peak watering demand periods of May through October. The majority of the secondary water sources and storage systems are located on the south side of the city which results in lower water pressure in the north end of the system. The new pump station will provide a secondary water source in the north end of Zone 2 thereby increasing water pressures during peak demand and reducing the amount of water being supplied from sources on the south end of the system. The new pump station will provide a water source directly into the north end of Zone 2 which will increase pressures during peak demands and reduce the amount of water being supplied from sources that are on the south end of the system.

The system is split into 5 pressure zones (see attached Figure "Pressure Zones") which are delineated by several canals and the Jordan River which run north to south through the city. The current system has over 20,000 gallons per minute of source capacity that is supplied through a combination of canal diversions and shallow ground water wells and pump stations. The system has several open storage reservoirs and approximately 120 miles of underground pipe ranging in size from 4 to 24 inches in diameter. The majority of the water sources and storage systems for the existing secondary water system are located on the south side of the City. The current system is inadequate to provide pressurized water to the north end of the system.

Cross-Cutters:

Cross-Cutters still apply to all Special Appropriations Act Project (SAAP) projects even if they are granted a categorical exclusion from the NEPA. The entire list of Cross-Cutters can be found in the SAAP Guidance memorandums. For additional information on potential Cross-Cutters see EPA's "Environmental Review Guide for Special Appropriations Grant," Appendix C @ http://www.epa.gov/compliance/resources/ policies/nepa/environmental-review-guide-grants-pg.pdf.

Typical Cross-Cutters that might apply to a Special Appropriations Act Project			
Historic, Archaeological or Cultural Resources		Sole Source Aquifer—mainly Missoula in Region 8	
Air Conformity -- Is the Project in a Nonattainment Area?		Near a Wild and Scenic River?	
Any wetlands or waters of the U. S. crossings?		Within a Floodplain?	
Environmental Justice		On Prime Farmland?	
Threatened and Endangered Species		Special Wildlife Habitat, Wildlife corridor	

[Information from the Epic Engineering, Trevor Andra, email to Robert Edgar, 12/13/11]

No Cross-Cutters issues are anticipated for this project since the construction will be on the northeast corner of Midas Creek Park in Riverton City. This location borders 11800 S and the

Utah Lake Distribution Canal. The following Cross-Cutters have been considered and determined not to be of concern in this project:

- Threatened and Endangered Species: The proposed project will not involve any federally listed threatened or endangered species or their habitats.
- Historic, Archaeological or Cultural Resources: No cultural resources were identified within the project area. Epic Engineering searched for properties on the National Registry and none where found within a mile of the proposed project location.
- Within a Floodplain: No flood hazards were identified that are associated with the proposed project. A recent FEMA Floodplain Map (See Figure 7) showing the proposed location of the pump station indicated a 0.2 percent annual chance of being in a flood hazard area. The berm where the pump station would be located is approximately 10 feet higher than the surrounding park land.
- Prime Farmland: The project will have no effect on prime or important farmland.
- Wetlands: No previously inventoried wetlands or plants or soils characteristic of wetlands were found within the project area.

CATEGORICAL EXCLUSION CRITERIA (40 CFR 6.204(a)(1)(ii))	
1. NO known or expected potentially significant environmental impacts on public health or the environment either individually or cumulatively over time.	Yes ☒ No ☐
2. Is the project for minor upgrade or minor expansion of system capacity? This includes, but is not limited to: minor extensions of sanitary sewers or force mains or drinking water extensions to primarily serve existing development; stormwater detention pond and retention pond cleaning and dredging or minor storage increase or culvert upgrades to serve existing development.	Yes ☒ No ☐
3. Is the project for rehabilitation of existing facilities? This includes, but is not limited to: functional replacement of existing systems and components, infiltration and inflow corrections in the existing wastewater collection system or equipment rehabilitation at the existing wastewater plant, pumping, or storage facilities; drinking water system equipment replacement or modifications at an existing water plant, or pumping and storage facilities; stormwater culvert and outlet rehabilitation and repair.	Yes ☐ No ☒
4. Is the project for new minor ancillary facilities adjacent to or on the same property as existing facilities? This includes, but is not limited to: new wastewater facilities and equipment for sludge handling, screening, flow equalization, disinfection, or laboratory facilities; new drinking water facilities such as alum sludge handling, filtration, flow equalization, chemical storage, chlorination, or laboratory facilities; facilities at existing stormwater control locations, such as sedimentation basins, infiltration trenches, detention pond to retention pond retrofits, or oil and grit separators.	Yes ☐ No ☒

If the answer to 1 is yes and at least one of answers to 2 through 4 are yes; then proceed to the next section: Excluding Factors. Conversely, if the answer to 1 is no, or if all answers to 2 through 4 are no then the project does not qualify for a categorical exclusion.	
Excluding Factors (40 CFR 6.204(b)	
(1) Project will have disproportionate impacts on any community: EJ, minority, etc.	Yes ☐ No ☒
(1) Project will involve new or relocated discharges to surface or ground water	Yes ☐ No ☒
(2) Project will result in substantial increases in the volume of discharge or the loadings of pollutant to the receiving water	Yes ☐ No ☒
(3) Project will provide capacity to serve a population 30 percent greater than the existing population. *The new pump station capacity is 2000 gallons per minute. The existing system has over 20,000 gallons per minute capacity. Therefore, the new pump station will increase the capacity of the city's current secondary water system by less than 10 percent.*	Yes ☐ No ☒
(4) Project will be in conflict with state or other regional growth plan or strategy	Yes ☐ No ☒
(5) Project will directly or indirectly relate to upgrading or extending infrastructure systems primarily for the purposes of future development	Yes ☐ No ☒

Categorical Exclusion Finding:

Upon review of the application materials and NEPA regulations pertaining to the granting of a categorical exclusion determination, the EPA Region 8 finds that the City of Riverton's Proposed ULDC Pump Station Special Appropriation Act Project Grant has met the criteria to be categorically excluded from further NEPA review.

Prepared by: Robert Edgar, Environmental Specialist
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(303)312-6669 Robert Edgar 02/08/2012

FIGURE 7
FEMA FLOODPLAIN MAP
PROPOSED ULDC
PUMP STATION
RIVERTON CITY, UTAH

NOVEMBER 2011

Legend

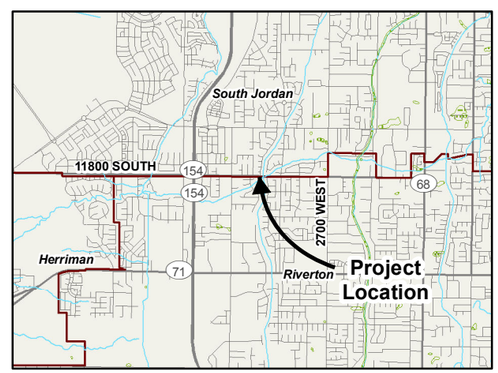
- Proposed Pump Station
- Canal / Creek
- Floodway
- 0.2 Pct Annual Chance Flood Hazard
- AE
- NWI Wetland
- Municipal Boundary
- Parcel Boundary

Aerial Photo 2009

N W E S

0 500 1,000 Feet

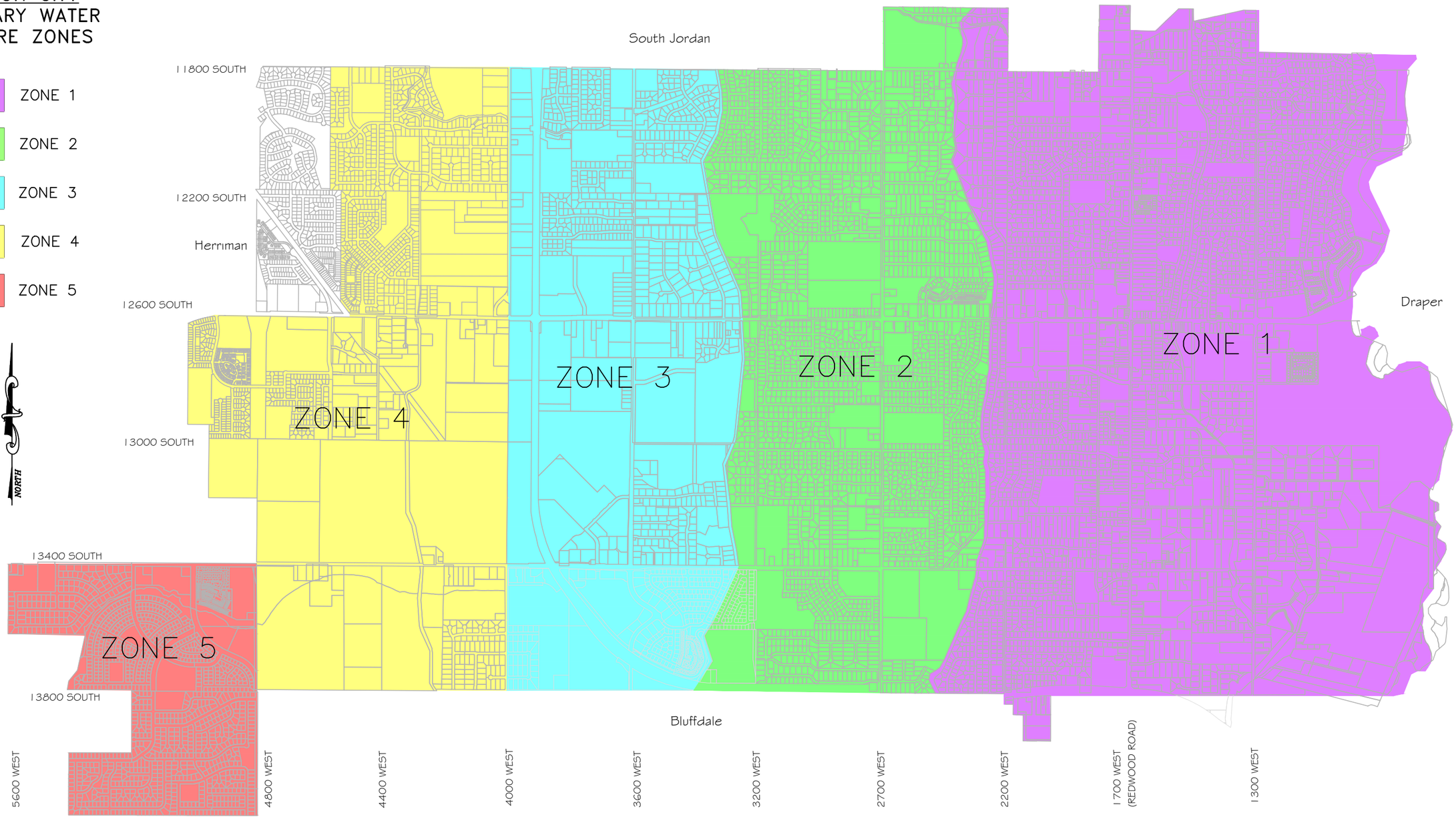
1 INCH = 500 FEET



epic ENGINEERING

RIVERTON CITY
SECONDARY WATER PRESSURE ZONES

ZONE 1
ZONE 2
ZONE 3
ZONE 4
ZONE 5



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841 SOUTH MAIN
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0 1"

BAR SCALE MEASURES 1" ON A FULL SIZE SHEET. ADJUST ACCORDINGLY FOR A HALF SIZE SHEET.

REVISION

NO	DATE	REV. BY	ISSUE

RIVERTON CITY
12830 SOUTH REDWOOD RD.
RIVERTON, UTAH 84065
(801)-254-0704

SECONDARY WATER MODEL

PRESSURE ZONES

DESIGNER	CAD
X	TLA
REVIEWED	PROJECT NO
X	11-RV-XXX

SHEET 1 OF 1