



**springville**  
PUBLIC WORKS  
STAFF REPORT

**DATE:** February 23, 2021  
**TO:** Honorable Mayor and City Council  
**FROM:** Jeffrey L. Anderson  
**SUBJECT:** HOBBLE CREEK PL566 WATERSHED PLAN ENVIRONMENTAL ASSESSMENT - GRANT

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**RECOMMENDED MOTION**

Motion to direct City Administrator to sign the Final Cooperative Agreement from the Utah NRCS obligating \$450,000 to Springville City Corp. for the preparation of the Hobble Creek PL566 Watershed Plan - Environmental Assessment.

**SUMMARY OF ISSUES/FOCUS OF ACTION**

The City has been exploring and applying for funding opportunities for the design and construction of the Floodplain Mitigation Project in an effort to remove approx. 260 structures out of the newly updated floodplain. The City, in coordination with Jones and DeMille Engineering, applied for the Natural Resources Conservation Service (NRCS) PL566 Grant in April 2020. The PL566 Grant is a 100% funded grant with no match requirement for the City. Springville City requested technical assistance to facilitate additional studies and design iterations; negotiations with property owners and project partners; as well as facilitate a public process through the preparation of a Plan-Environmental Assessment (EA). Since the funding for the grant utilizes Federal monies, an EA is required to be performed prior to final design and construction. The City was recently informed recently that they were awarded \$450,000 for the preparation of the Hobble Creek Watershed Plan EA. The FINAL cooperative Agreement that will obligate the funds for this work is attached to this staff report for execution. Once the agreement is in place, the City may select an engineering consultant (utilizing the City and State procurement processes) and begin work on the Plan EA. The EA is estimated to take 18-24 months to complete.

The preparation of the EA is the first step in applying for additional grant/funding opportunities for final design and construction. A copy of the grant application is also attached with this staff report.

**DISCUSSION**

In June 2020 FEMA released updated Flood Insurance Rate Maps (FIRM) that placed 260 additional structures and over 370 acres of additional residential and agricultural land located within the designated floodplain along the lower reach of Hobble Creek. Most of the structures are residential, many of which have not been built in compliance with FEMA building requirements and therefore will be required to make significant structural flood-proofing retrofits in order to reduce flood risks. The FIRM changes also resulted in these structures needing to acquire flood insurance resulting in an estimated annual cost of at least \$234,000 in insurance premiums. In addition, residential, commercial, and agricultural property will be de-valued as a result.



In response to this new information the City has proactively completed several engineering feasibility studies and concept designs with the aim to reduce flood risk and the implications of the updated FIRMs on the residential and agricultural community. The City has the goal, and the desire to make Hobble Creek a public amenity that is inviting, usable and functional for residents. The restoration of Hobble Creek will also incorporate expansion of a trail system and river access near a park and other areas identified in city masterplans. The project will also preserve the economic value of undeveloped agricultural lands by removing these areas from the floodplain. The City has coordinated with other creek "Stake Holders" in an effort to gain support for this project. This has included coordination meetings with the June Sucker Recovery Implementation Program (JSRIP), meetings with the Utah DEM (FEMA) office, city council presentations, and discussions with the NRCS. The preparation of the Watershed Plan EA will lay the groundwork for the final planning, design, and construction of the ultimate Floodplain Mitigation Project.

The vision for this project goes beyond flood protection by including natural resource restoration and preservation; as well as city plans for recreation and access. Natural resource benefits include endangered fish habitat restoration and possible conservation easements to protect habitat and agricultural lands along Hobble Creek. The restoration of Hobble Creek will also incorporate expansion of a trail system and river access near a park and other areas identified in city masterplans. The project will also preserve the economic value of undeveloped agricultural lands by removing these areas from the floodplain.

The proposed project will construct a FEMA certified levee system along approximately 2.3 miles of Hobble Creek. The levees will be set back from the stream to restore and preserve a fish habitat and wetland corridor. Fish habitat restoration measures within the corridor will include creating a more natural sinuous channel and staged floodplain agreeable to the native June Sucker fish, protected in perpetuity by conservation easements. Public access areas will be included in the design, accommodating a city planned trail system and parks. See Appendix C for a detailed project exhibit.

The purpose of the project is to provide flood protection to approximately 858 people, 260 structures, and over 370 acres of residential and agricultural land. This project is needed to reduce flood risk and update FEMA floodplain mapping, thereby reducing financial impact to the public in the form of potential flood damage, flood insurance premiums, potential costly structural flood protection retrofits, and the devaluing for residential and agricultural lands. Fish habitat restoration measures are needed along Hobble Creek to restore critical habitat for the endangered June Sucker fish, including the removal/reconstruction of a diversion on the lower reach. These habitat restoration measures are also needed to connect sections of Hobble Creek where previous restoration measures have been implemented. Lastly, the purpose of the project is to make the restored Hobble Creek a public amenity by encouraging and accommodating easy public access. Because of the development pressure and potential in the area, it is critical that the project move forward now in order to maintain feasibility and provide the most benefit.

The ultimate project would be funded by a unique set of project partners, including the Natural Resource Conservation Service (NRCS), FEMA, the US Bureau of Reclamation (USBR) June Sucker Recovery Program, Division of Natural Resources (DNR), and others. Springville City is evaluating options to fund a portion of the project through the purchase and donation of property and is investigating the implementation of a special service district that would allow the citizens benefited by the project to contribute.



## FISCAL IMPACT

The PL566 grant is 100% funded with no match requirements for the City. Once an Engineering Consultant is hired there will be additional staff time needed to work with the consultant in preparation of the EA, and in facilitating all the public meetings required as part of the process.



## RESOLUTION #2021-XX

**A RESOLUTION TO ENTER INTO AN AGREEMENT WITH THE NATURAL RESOURCE CONSERVATION SERVICE (NRCS) TO OBLIGATE FUNDS TO COMPLETE AN ENVIRONMENTAL ASSESSMENT FOR THE HOBBLE CREEK WATERSHED PLAN.**

**WHEREAS**, the Springville General Plan, Chapter 7's Goal is *"To provide functionally effective community facilities and services to support a safe, healthy, and vibrant community life,"* and

**WHEREAS**, Objective 6 states, *"A storm drainage collection system that protects property and the health and safety of the citizens of our City, is economical, and will meet both the current and future needs of Springville City,"* and

**WHEREAS**, The Federal Emergency Management Agency (FEMA) recently updated their Flood Insurance Rate Maps (FIRM), which significantly affects some Springville residents in the westerly area of Springville City along Hobbler Creek west of 200 West, and

**WHEREAS**, Springville City is in the process of pursuing grant funding for the design and construction of a floodplain mitigation project as a result of the FEMA initiated FIRM updates, and

**WHEREAS**, the attached Cooperative Agreement - Hobbler Creek PL566 Watershed Plan Environmental Assessment obligates grant funds from the Federal Government to be used to prepare a Watershed Plan Environmental Assessment, and

**WHEREAS**, the Springville City Council finds that the pursuit of this grant funding is in the best interest of the citizens of this community with regard to Hobbler Creek floodplain mitigation.

**NOW, THEREFORE, BE IT RESOLVED** by the City Council of Springville, Utah that:

**SECTION 1: Agreement Approval.** The Cooperative Agreement, substantially in the same form as Exhibit A, is approved and shall be executed by Springville City.

**SECTION 2: Legal Review.** The Cooperative Agreement has been reviewed by Springville City legal counsel for review and approval as to form and legality.

**SECTION 3: Filing with Records Keeper.** An executed original counterpart of the Cooperative Agreement shall be filed immediately with the keeper of records of Springville City.

**SECTION 4: Effective Date.** This resolution shall become effective immediately upon its execution.

END OF RESOLUTION.

PASSED AND ADOPTED this 2<sup>nd</sup> day of March, 2021.

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Richard J. Child, Mayor

Attest:

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Kim Crane, City Recorder

**ATTACHMENT A**

FINAL Cooperative Agreement - Hobble Creek PL566 Watershed Plan - EA

**AD-3031**

**U.S. Department of Agriculture**  
**ASSURANCE REGARDING FELONY CONVICTION**  
**OR TAX DELINQUENT STATUS FOR CORPORATE APPLICANTS**

**NOTE:** *The following statement is made in accordance with the Privacy Act of 1974 (5 USC 552(a)–as amended). The authority for requesting the following information for USDA agencies and offices is in sections 745 and 746 of the Consolidated Appropriations Act, 2016, Pub. L. 114-113, as amended and/or subsequently enacted. The information will be used to document compliance with appropriations restrictions.*

*According to the Paperwork Reduction Act of 1995 an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number of this information collection is 0505-0025. The time required to complete this information collection is estimated to average 3 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. The provisions of appropriate criminal and civil fraud, privacy, and other statutes may be applicable to the information provided.*

This award is subject to the provisions contained in the Consolidated Appropriations Act, 2016, Pub. L. 114-113, Division E, Title VII, sections 745 and 746, as amended and/or subsequently enacted for U.S. Department of Agriculture (USDA) agencies and offices regarding corporate felony convictions and corporate federal tax delinquencies.

Accordingly, by accepting this award the corporation recipient acknowledges: (1) that it does not have a Federal tax delinquency, meaning that it is not subject to any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability, **and** (2) that it has not been convicted of a felony criminal violation under any Federal law within 24 months preceding the award, unless a suspending and debarring official of the USDA has considered suspension or debarment of the recipient corporation based on these convictions and/or tax delinquencies and determined that suspension or debarment is not necessary to protect the interests of the Government. If the recipient fails to comply with these provisions, the agency will annul this agreement and may recover any funds the recipient has expended in violation of the above cited statutory provisions.

\_\_\_\_\_  
APPLICANT’S SIGNATURE (BY)

\_\_\_\_\_  
TITLE/RELATIONSHIP OF THE INDIVIDUAL IF SIGNING IN A REPRESENTATIVE CAPACITY

\_\_\_\_\_  
BUSINESS NAME

\_\_\_\_\_  
DATE SIGNED (MM-DD-YYYY)

*The U.S. Department of Agriculture (USDA) prohibits discrimination in all of its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, political beliefs, genetic information, reprisal, or because all or part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination, write to USDA, Assistant Secretary for Civil Rights, Office of the Assistant Secretary for Civil Rights, 1400 Independence Avenue, S.W., Stop 9410, Washington, DC 20250-9410, or call toll-free at (866) 632-9992 (English) or (800) 877-8339 (TDD) or (866) 377-8642 (English Federal-relay) or (800) 845-6136 (Spanish Federal-relay). USDA is an equal opportunity provider and employer.*

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### Certification Regarding Lobbying

#### Certification for Contracts, Grants, Loans, and Cooperative Agreements

The undersigned certifies, to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

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Organization Name

PR/Award Number or Project Name

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Name and Title of Authorized Representative

---

Signature

Date



**Application for Federal Assistance SF-424**

\* 1. Type of Submission:

- Preapplication  
 Application  
 Changed/Corrected Application

\* 2. Type of Application:

- New  
 Continuation  
 Revision

\* If Revision, select appropriate letter(s):

\* Other (Specify):

\* 3. Date Received:

4. Applicant Identifier:

5a. Federal Entity Identifier:

5b. Federal Award Identifier:

**State Use Only:**

6. Date Received by State:

7. State Application Identifier:

**8. APPLICANT INFORMATION:**

\* a. Legal Name:

\* b. Employer/Taxpayer Identification Number (EIN/TIN):

\* c. Organizational DUNS:

**d. Address:**

\* Street1:

Street2:

\* City:

County/Parish:

\* State:

Province:

\* Country:

\* Zip / Postal Code:

**e. Organizational Unit:**

Department Name:

Division Name:

**f. Name and contact information of person to be contacted on matters involving this application:**

Prefix:

\* First Name:

Middle Name:

\* Last Name:

Suffix:

Title:

Organizational Affiliation:

\* Telephone Number:

Fax Number:

\* Email:

**Application for Federal Assistance SF-424**

**\* 9. Type of Applicant 1: Select Applicant Type:**

C: City or Township Government

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

\* Other (specify):

**\* 10. Name of Federal Agency:**

USDA-NATURAL RESOURCES CONSERVATION SERVICE

**11. Catalog of Federal Domestic Assistance Number:**

10.904

CFDA Title:

WATERSHED PROTECTION AND FLOOD PREVENTION PROGRAM

**\* 12. Funding Opportunity Number:**

\* Title:

PL566 - HOBBLE CREEK WATERSHED

**13. Competition Identification Number:**

Title:

**14. Areas Affected by Project (Cities, Counties, States, etc.):**

Add Attachment

Delete Attachment

View Attachment

**\* 15. Descriptive Title of Applicant's Project:**

PL566 - HOBBLE CREEK WATERSHED

Attach supporting documents as specified in agency instructions.

View Attachments

**Application for Federal Assistance SF-424**

**16. Congressional Districts Of:**

\* a. Applicant

\* b. Program/Project

Attach an additional list of Program/Project Congressional Districts if needed.

Add Attachment

Delete Attachment

View Attachment

**17. Proposed Project:**

\* a. Start Date:

\* b. End Date:

**18. Estimated Funding (\$):**

\* a. Federal   
\* b. Applicant   
\* c. State   
\* d. Local   
\* e. Other   
\* f. Program Income   
\* g. TOTAL

**\* 19. Is Application Subject to Review By State Under Executive Order 12372 Process?**

- a. This application was made available to the State under the Executive Order 12372 Process for review on
- b. Program is subject to E.O. 12372 but has not been selected by the State for review.
- c. Program is not covered by E.O. 12372.

**\* 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes," provide explanation in attachment.)**

- Yes
- No

If "Yes", provide explanation and attach

Add Attachment

Delete Attachment

View Attachment

**21. \*By signing this application, I certify (1) to the statements contained in the list of certifications\*\* and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances\*\* and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)**

\*\* I AGREE

\*\* The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

**Authorized Representative:**

Prefix:  \* First Name:   
Middle Name:   
\* Last Name:   
Suffix:

\* Title:

\* Telephone Number:  Fax Number:

\* Email:

\* Signature of Authorized Representative:

\* Date Signed:

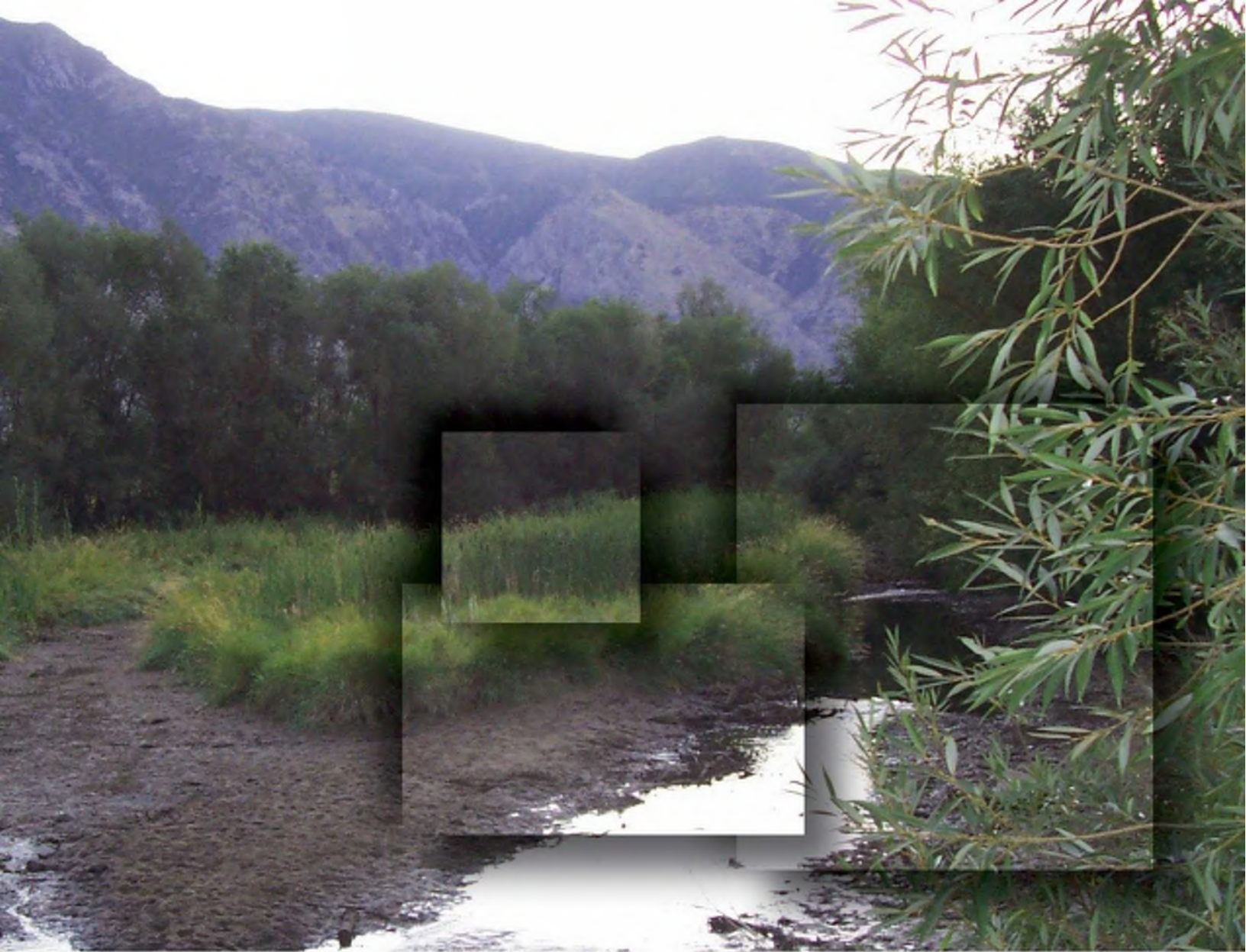




**ATTACHMENT B**

Hobble Creek PL566 Watershed Proposal Application





**UTAH NRCS  
PL-566 WATERSHED  
PROPOSAL**

Hobble Creek Watershed Plan  
UTAH COUNTY, UTAH

**SPRINGVILLE CITY  
Flood Control  
Watershed Improvements**

April 17, 2020





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 Environmental Evaluation.. App. B  
 Maps & Exhibits ..... App. C  
 Letters of Support..... App. D

## 1. GENERAL ELIGIBILITY

Springville City is eligible to be a project sponsor and is ready to move forward with completing a watershed plan, final design, and construction of the proposed watershed measures. The total request is for \$450,000 in NRCS funds and includes preparation of a PL83-566 Watershed Plan. The main objectives of the project are defined as follows: (1) flood control for residential and agricultural lands, (2) habitat restoration measures and conservation easements, and (3) make Hobble Creek a public amenity. This will be accomplished through a unique partnership between the NRCS, the June Sucker Recovery Implementation Program, FEMA, Springville City Corporation, Springville City public, commercial businesses, and others.

Springville City has been actively pursuing solutions to the issues related to a new awareness of flood risk due to updated FEMA floodplain mapping, the need to restore Hobble Creek in terms of fish habitat, and the desire to make

NRCS TA (Plan-EA) .....	\$450,000
Anticipated NRCS Design & Construction .....	\$6,047,808
Anticipated Partner Contributions.....	\$14,011,582
Agricultural Benefits (by acreage) .....	53%
Endangered Species .....	June Sucker
Project Watershed Size .....	80,000 acres

Hobble Creek a public amenity. With the growing development pressure in the area and risk to residential property and agriculture lands, Springville feels the need to act now and is ready to move forward. The public process facilitated through the Plan-EA process is one of the reasons the City is requesting funding through the PL83-566 program, as they see the need for a structured public process and a thorough vetting of project alternatives. Springville has proactively invested over \$100,000 in engineering feasibility studies to lay the ground work and position themselves for funding, as represented by the GIS Story Map found at <http://bit.ly/SpringvilleFloodProtection>.

## 2. PROJECT OVERVIEW

**Abstract Describing Issue, Background and Solution:** With the release of the updated FEMA Flood Insurance Rate Maps (FIRM) anticipated in June of 2020, approximately 260 additional structures and over 370 acres of additional residential and agricultural land will be located within the designated floodplain along the lower reach of Hobble Creek. Most of the structures are residential, many of which have not been built in compliance with FEMA building requirements and therefore may be required to make significant structural floodproofing retrofits without the proposed project. Historically, Hobble Creek was a slow meandering stream, providing spawning habitat for the now-endangered June sucker (*Chasmistes liorus*). Over time this habitat has been altered and degraded, in part due to the confinement and channelization of the natural river with non-engineered berms, which are a significant flood risk. Hobble Creek is listed as one of only several tributaries to Utah Lake with the potential to implement habitat restoration measures, which could help delist the June sucker (June Sucker Recovery Plan - US Fish and Wildlife, 1999). Finally, Springville City desires to make Hobble Creek a public amenity and has masterplans for an adjacent trail system and large city park. The solution is to evaluate project alternatives through a public process, which will meet the needs of residential and agricultural flood protection and restore and preserve the Hobble Creek corridor to benefit the environment and public.

**Sponsor’s Participation and Public Engagement:** Due to the potential negative impact to the community, Springville City has been actively pursuing solutions to the issues described previously over the last two years. These efforts have included developing engineering design concepts, coordination meetings with the June Sucker Recovery Implementation Program (JSRIP), meetings with the Utah DEM (FEMA) office, city council presentations, and discussions with the NRCS. These previous activities lay the groundwork for the final planning, design, and construction of the project. Springville City has invested over \$100,000 in engineering feasibility studies which have included geotechnical testing and analysis, hydraulic optimization, preliminary/concept design alternatives, presentations and coordination with project partners, funding



procurement, etc. If the project is selected for NRCS funding, the following steps will be taken: (1) Springville City will meet with the June Sucker Recovery Implementation Program members and continue discussions about the project concept. These discussions will include habitat restoration, conservation easements, and further cost share negotiations. (2) The Utah DEM (FEMA) office will be informed of our progress up until a funding application is submitted to assist in the cost share for final design and construction of the project. (3) Final planning and design for the project will swiftly proceed building on previously completed feasibility studies. (4) City council presentations and approvals will be needed, coupled with public meetings to facilitate the watershed planning process. The NRCS will be included throughout these and other project steps to ensure compliance and fulfillment of funding outcome reporting. To show their involvement and support for the project, support letters from JSRIP and Utah DEM are attached.

**Proposed Action:** Build a FEMA certified levee system along approximately 2.3 miles of Hobble Creek. The levees will be set back from the stream to restore and preserve a fish habitat and wetland corridor. Fish habitat restoration measures within the corridor will include creating a more natural sinuous channel and staged floodplain agreeable to the native June Sucker fish, protected in perpetuity by conservation easements. Public access areas will be included in the design, accommodating a city planned trail system and parks. See Appendix C for a detailed project exhibit.

**Purpose and Need for Action:** The purpose of the project is to provide flood protection to approximately 858 people, 260 structures, and over 370 acres of residential and agricultural land. This project is needed to reduce flood risk and update FEMA floodplain mapping, thereby reducing financial impact to the public in the form of potential flood damage, flood insurance premiums, potential costly structural flood protection retrofits, and the devaluing for residential and agricultural lands. Fish habitat restoration measures are needed along Hobble Creek to restore critical habitat for the endangered June Sucker fish, including the removal/reconstruction of a diversion on the lower reach. These habitat restoration measures are also needed to connect sections of Hobble Creek where previous restoration measures have been implemented. Lastly, the purpose of the project is to make the restored Hobble Creek a public amenity by encouraging and accommodating easy public access. Because of the development pressure and potential in the area, it is critical that the project move forward now in order to maintain feasibility and provide the most benefit.

**Description of Purposes for Which Need is Planned (NWPM Title 390, National Watershed Program Manual (NWPM), Part 500, Subpart A, Section 500.3). Indicate which of the Identified Needs the Project Will Address:**

- *Flood Prevention (Flood Damage Reduction):* Construction of a FEMA certified levee system will significantly reduce flood risk to a large residential and agricultural area. Non-engineered berms that have been built up overtime will be replaced with engineered levees to protect life and property.
- *Conservation Easements Wetland or Floodplain:* Conservation easements will be utilized to preserve the Hobble Creek corridor restoration efforts, which include channel restoration, wetland preservation/restoration, and a staged floodplain.
- *Mitigation of Fish and Wildlife Habitat Losses:* The restoration measures along Hobble Creek will restore losses in fish and wildlife habitat, which have led to the listing of the endangered June sucker fish.
- *Watershed Protection:* Hobble Creek restoration measures will include bank and grade control measures as necessary to mitigate against negative impacts of sediment and erosion. The measures will also improve habitat availability and connectivity to fish and wildlife. Water quality will be improved through restoring/establishing wetland areas.
- *Public Fish and Wildlife or Public Recreational Development:* Public fish and wildlife and recreational opportunities will be enhanced through facilitating Hobble Creek access points into the design of the levee system, widening/preserving the floodplain corridor, and accommodating plans for a trail system and park access.
- *Agricultural Water Management:* A diversion on the Hobble Creek will be rebuilt to allow for fish passage and more efficient water delivery to nearby agricultural lands.

**Description of the Need in Terms of Problems/Opportunities:** With the release of updated FEMA floodplain maps, an additional 260 structures (mostly residential) and over 375 acres of land (200 acres of agricultural) will be located within the floodplain, resulting in an annual cost of at least \$234,000 in insurance premiums. In addition, residential, commercial, and agricultural property will be de-valued as a result. The restoration of Hobble Creek is critical to the successful recovery of the endangered June sucker fish. As noted previously, Hobble Creek is one of only several tributaries to Utah Lake with the potential to implement restoration measures, which would help delist the species. The June Sucker Recovery Implementation Program has already secured additional water, which is released down Hobble Creek to augment annual low flow periods in



addition to restoring several sections of Hobble Creek near the project area. This project is critical to the success of these previous efforts to help delisting this endangered fish. The project will restore June sucker spawning habitat in Hobble Creek, preserve a river/floodplain corridor into perpetuity through conservation easements, provide flood protection by building a FEMA certified levee system, and promote public access through trail systems and parks.

**Description of the Proposed Action:** Build a FEMA certified levee system along approximately 2.3 miles of Hobble Creek, for a total levee length of approximately 4.6 miles (both banks of river). Fish habitat restoration measures within the corridor will include creating a more natural sinuous channel and staged floodplain agreeable to the native June Sucker fish for approximately 1.3 miles of Hobble Creek, connecting previous restoration projects. Public access areas and a levee system to accommodate a future trail system and park will also be included in the project.

**Estimated Project Costs: \$20,509,390 [ Estimated NRCS Contribution = \$6,497,808 (32%) ]**

Project Component	Component Total Cost	PL83-566 Funds		Springville City		FEMA		JSRIP		Private Business'	
		Cost	%	Cost	%	Cost	%	Cost	%	Cost	%
Plan EA	\$450,000	\$450,000	100%								
Land / Easement Acquisition	\$6,356,090			\$2,781,692	44%	\$2,178,508	34%	\$1,395,890	22%		
Final Design & Construction	\$13,703,300	\$6,047,808	44%		0%	\$6,821,492	50%	\$334,000	2%	\$500,000	4%
<b>TOTAL</b>	<b>\$20,509,390</b>	<b>\$6,497,808</b>	<b>32%</b>	<b>\$2,781,692</b>	<b>14%</b>	<b>\$9,000,000</b>	<b>44%</b>	<b>\$1,729,890</b>	<b>8%</b>	<b>\$500,000</b>	<b>2%</b>

*\*See the Potential or Preferred Alternatives section below for more detail on cost sharing.*

**Estimated Monetary Benefits:** The release of updated FEMA floodplain maps will result in a new and expanded floodplain and floodway area as discussed previously. This will result in the devaluing of over 260 structures and 375 acres of land, 200 acres of which is agricultural. Monetary benefits include the elimination of annual flood insurance premiums of at least \$235,000 (average cost per structure estimated at \$900 annually). In addition, protected agricultural lands will maintain property value. Cost avoided benefits would include the potential property damage and displacement costs resulting from a flood, estimated at \$20,618,842. Cost avoided benefits also include the need to provide the same fish and wildlife habitat restoration/preservation measures elsewhere; in particular, the project would eliminate the need to restore the endangered June sucker fish spawning habitat in one of the other few tributaries to Utah Lake. Increased recreational benefits due to fish habitat restoration and an increase in public access will also result in monetary benefits.

**Estimated Project Timeline:** The estimated project timeline includes completion of the Plan-EA document, final design, and construction. The final design phase and construction include the needed FEMA permitting, which is one reason for the length of time estimated. This consists of completion of a Conditional Letter of Map Revision during the final design phase, and after construction a Letter of Map Revision will be submitted, which will officially update the FEMA floodplain maps.

Project Element	Duration	Start Date	End Date
Plan EA	1.5 Year	July 2020	December 2021
Final Design	1 Year	January 2022	January 2023
Construction	1 Year	February 2023	February 2024

**Estimated Benefit-to-Cost Ratio:** The FEMA Benefit Cost Analysis (BCA) software was used to complete a detailed analysis of the potential damage that would result from a flood, which showed a benefit of \$20,618,842 resulting in a benefit-to-cost ratio greater than one (1). This is conservative in that it does not include a number of the monetary benefits and cost avoided benefits discussed previously, including the devaluing of residential and agricultural property, fish and wildlife restoration benefits, agricultural crop losses, reduction/elimination in flood insurance premiums, etc. These other benefits will be added through the economics analysis of the watershed plan.

### 3. SPONSOR REQUEST

See Appendix A for Sponsor Request Letter from Springville City.

### 4. ENVIRONMENTAL EVALUATION | FORM CPA-52

See Appendix B for Environmental Evaluation for the proposed project.

## 5. ALTERNATIVES

The project alternatives include a “no-action” alternative and the full proposed project measures. It is expected that variations/refinements of the proposed project measures will result from the Plan-EA process; however, due to the work Springville City has already completed, the project is positioned to focus on the preferred alternative as outlined below.

### ALTERNATIVES COMPARISON TABLE

<b>Purpose and need for actions</b>	The purpose of the project is to provide flood protection to approximately 858 people, 260 structures, and over 370 acres of residential and agricultural land. This project is needed to reduce flood risk and update FEMA floodplain mapping, thereby reducing financial impact to the public in the form of flood insurance premiums, potential costly structural flood protection retrofits, and the devaluing for residential and agricultural lands. Fish habitat restoration measures are needed along Hobble Creek to restore critical habitat for the endangered June Sucker fish, including the removal/reconstruction of a diversion on the lower reach. These habitat restoration measures are also needed to connect sections of Hobble Creek where previous restoration measures have been implemented. Lastly, the purpose of the project is to make the restored Hobble Creek a public amenity by encouraging and accommodating easy public access. Because of the development pressure and potential in the area, it is critical that the project move forward now in order to maintain feasibility and provide the most benefit.	
<b>Item or Concern</b>	<b>Preferred Alternative</b>	<b>No Action</b>
Description of Alternatives	Build a FEMA certified levee system along approximately 2.3 miles of Hobble Creek, for a total levee length of approximately 4.6 miles (both banks of river). Fish habitat restoration measures within the corridor will include creating a more natural sinuous channel and staged floodplain agreeable to the native June Sucker fish for approximately 1.3 miles of Hobble Creek, connecting previous restoration projects. Public access areas and a levee system to accommodate a future trail system and park will also be included in the project.	Not applicable
Installation Cost	Land Purchases/Easements: \$6,356,090 Final Design & Construction: \$13,703,300 Total Cost: \$20,059,390	Not applicable
Cost Sharing	NRCS \$6,047,808 (30%) Springville City \$2,781,692 (14%) FEMA \$9,000,000 (45%) JSRIP \$1,729,890 (9%) Private Business' \$500,000 (2%)	Not applicable
Life Cycle Cost (50 years)	O&M \$150,000 (\$3000 annually)	Not applicable
<b>ENVIRONMENTAL IMPACTS</b>		
Water Quality	- Water quality will be improved due to the preservation/restoration/expansion of wetland and riparian habitat. These areas will be protected in perpetuity through conservation easements. -Channel restoration work will include bank stabilization and grade control, as needed, to mitigate against erosion and sedimentation. -Stormwater controls would also be implemented to avoid erosion and sedimentation.	-Continued degradation of wetland and riparian areas. -Without improvement or protection, development would likely restrict future improvements to the Hobble Creek corridor, which could adversely impact wetlands, riparian areas, and floodplains.
Fish and Wildlife	-Expanded river and floodplain corridor will be restored with a more sinuous natural channel, benefiting a range of fish and wildlife species, including the endangered June sucker fish.	-Continued separation of the endangered June sucker fish from additional spawning habitat due to existing diversion. -Continued loss/degradation of wetland and riparian areas in confined channel, resulting in limited habitat to support fish and wildlife.

	-Increased wetland and riparian habitat will support fish and wildlife. -Conservation easements will help maintain wildlife and fish habitat along the Hobble Creek corridor.	-Without improvement or protection, development would likely restrict future improvements to the Hobble Creek corridor, which could adversely impact wildlife habitat and spawning areas.
Habitat	-Expanded fish and wildlife habitat, due to more sinuous and natural channel; as well as a staged floodplain area -Preserved/restored/expanded wetland and riparian habitat	-Continued loss/degradation of wetland and riparian areas -Unsuitable habitat for fish due to diversion (fish barrier)
Flood Damages	-Protected residential (260 structures) and agricultural lands (200 acres)	-Continued high risk of flooding, due to un-engineered berms
Public health and safety	-Increase public health and safety by protecting 260 residential structures and 200 acres of agricultural land from flood-related damages.	-Decrease public health and safety by not protecting residential structures and agricultural land.

## 6. PARTNERSHIP, CONSULTATION, COORDINATION AND PUBLIC PARTICIPATION

As noted previously, Springville has engaged in discussion with the public through presentations at city council meetings as well as outreach to individual landowners. In addition, they have coordinated with land owners and key project partners, such as the June Sucker Recovery Implementation Program and the Utah DEM (FEMA) as shown in the table below (also see attached letters of support).

Partner	Role	Resources	Contribution
Springville City	Lead-SLO, Project Management	Cost-share funds, administration, consulting engineer	Permits, scoping, public meetings, mailings, design, construction management, project management, construction administration
June Sucker Recovery Implementation Program	Project partner representing June Sucker habitat restoration measures	Cost-share funds, staff	Habitat restoration design measures, stakeholder meetings
Utah DEM (Local FEMA Officer)	Project partner representing local FEMA	Cost-share funds	Stakeholder meetings, funding application
FEMA Region VIII	FEMA permitting	Staff	Permitting of CLOMR and LOMR for reduction of floodplains
USDA-NRCS	Lead agency for Plan-EA, FA/TA, design consultation	Funding, staff	Review for project design, inventory needs, Plan-EA supplement
Utah DWR	Landowner, permits, review, cooperating agency for Plan-EA	Staff	Site selection, environmental reviews, cultural resource inventory
Army Corps of Engineers	404 Permit, cooperating agency	Staff	Permitting, technical review
Utah State Historic Preservation Office	Consultation for permit and cultural resources	Staff	Permit for project area of potential effects (APE)
Utah State Division of Water Quality	Consultation for WQ Permit 401	Staff	Review for permit
Private Landowners	Provide input on proposed measures	Time	Provide feedback on proposed project measures and negotiate on terms of property acquisition and easements





## 7. EQUAL OPPORTUNITY

Public and project partners involved in this project are diverse, consisting of the general public, the agricultural community, irrigation companies, rural municipal and county government, state and federal governmental entities, private companies, and academic organizations. Long-term outreach activities have been performed to ensure broad participation in the planning process and evaluation of alternatives. Meaningful involvement has been sought from all members of the community, regardless of race, color, national origin, sex, gender identity, disability, age, or income.

All Topics	Springville city, Utah
Population estimates, July 1, 2018, (V2018)	33,104
<b>PEOPLE</b>	
<b>Population</b>	
Population estimates, July 1, 2018, (V2018)	33,104
Population estimates base, April 1, 2010, (V2018)	29,584
Population, percent change - April 1, 2010 (estimates base) to July 1, 2018, (V2018)	11.9%
Population, Census, April 1, 2010	29,466
<b>Age and Sex</b>	
Persons under 5 years, percent	△ 11.2%
Persons under 18 years, percent	△ 37.0%
Persons 65 years and over, percent	△ 7.7%
Female persons, percent	△ 49.9%
<b>Race and Hispanic Origin</b>	
White alone, percent	△ 92.2%
Black or African American alone, percent (a)	△ 0.4%
American Indian and Alaska Native alone, percent (a)	△ 1.0%
Asian alone, percent (a)	△ 0.9%
Native Hawaiian and Other Pacific Islander alone, percent (a)	△ 0.3%
Two or More Races, percent	△ 3.0%
Hispanic or Latino, percent (b)	△ 15.3%
White alone, not Hispanic or Latino, percent	△ 79.9%

## 8. POTENTIAL OR PREFERRED ALTERNATIVE

**Rationale for Alternative Preference:** The proposed project is the most cost-effective solution to address the greatest number of natural resource concerns within the watershed. Other possible alternatives would consist of variations/refinements of the proposed project details but would not constitute a major change.

**Proposed Measures to be Installed:** The proposed action is the preferred alternative. Refer to section above for proposed action. See Appendix C for a detailed project exhibit.

**Estimated Costs and Cost Sharing:** The proposed cost share represents the opportunity for a collaborative effort between different agencies, Springville City, and the public. The table below shows a breakdown of the combined project cost for property/easements and final design and construction.

Source	Amount	Percent	Explanation
NRCS	\$6,047,808	30%	NRCS contribution includes a portion of final design and construction costs only (no real property rights). Cost share portion based on remaining balance needed after other contributions are made, also balancing cost between FEMA and the NRCS.
Springville City	\$2,781,692	14%	Cost share consists of land donations (Springville has been purchasing land in anticipation for this project) and a portion paid for by the residential area affected by the new expanded FEMA floodplain. It is proposed that the public in residential area would contribute by paying a portion of the money they will save in flood insurance premiums towards the project, enacted/assessed through a special service district.
Utah DEM (FEMA)	\$9,000,000	45%	Springville has been actively discussing project with the Utah DEM office and intends on submitting a funding application for a FEMA Hazard Mitigation Assistance (HMA) grant. Based on previous discussions with Utah DEM, attendance at funding workshops, and the FEMA Benefit Cost Analysis (BCA) - Springville is in a good position to receive a portion of project funding. It is expected that an application would be prepared during the 2021 application cycle, just after the Plan-EA is approved.
JSRIP	\$1,729,890	9%	The JSRIP committee has met with Springville several times, expressing interest in contributing to the project in terms of collaborating on project alternative related to river restoration and making a financial contribution. Cost share amount represents additional land and construction costs required to accommodate specific June sucker fish habitat restoration measures. Final cost share amount to be negotiated through project planning process.
Private Business <sup>7</sup>	\$500,000	2%	Several business stand to benefit from the reduction of the FEMA floodplain and floodway, specifically near I-15. The planning process would facilitate a negotiation on a contribution to the project.
<b>Total Project Cost</b>	<b>\$20,059,390</b>	<b>100%</b>	NA

**Responsibilities:** Springville City Corporation, as the project sponsor, is eager to apply their experience and leadership from working on other capital improvements to this project. They plan to take the lead on facilitating the public process of the NRCS PL83-566 program to bring together agencies, special interest groups, and the public on a mutually beneficial project concept.

Springville City Corporation will be the owner of the project and is ready to accept future responsibility for the proposed project measures. The Utah DEM (FEMA) office will be involved as a project stakeholder through the design process and a FEMA HMA funding application submittal. The June Sucker Recovery Implementation Program has responsibility to provide input on the June sucker fish habitat restoration measures. FEMA has regulatory responsibility over the permitting related to the FEMA designated floodplain and floodway and will be involved through permitting processes. The U.S. Army Corps of Engineers and U.S. Fish and Wildlife Service have regulatory responsibility for compliance with the Clean Water Act and Endangered Species Act, respectively.

**Potential Mitigation Needs:** No mitigation needs have been identified at this time.

**Permits and Compliance Requirements:** Permits that will likely need to be procured either during planning or construction include the Clean Water Act Section 404 permit – U.S. Army Corps of Engineers and the Utah State Stream Alteration Permit – Utah Division of Water Rights. Compliance with the Endangered Species Act will likely require consultation (informal or formal) with the U.S. Fish and Wildlife Service. Compliance with numerous cultural resource protection laws will require field inventory of cultural resources and concurrence from the Utah State Historic Preservation Office (SHPO), and may require avoidance or mitigation measures. NEPA compliance will be demonstrated by successful completion of the Watershed Plan-EA process. FEMA permitting will be required during final design and construction, but not during the Watershed Plan-EA process.

**Outcomes:** The expected outcomes of the project are as follows: 1) reduced flood risk to residential and agricultural property; 2) improved/restored fish and wildlife habitat protected in perpetuity by conservation easement; 3) improved/restored river and staged floodplain corridor along Hobble Creek; 4) aiding in recovery of endangered June sucker fish; 5) sediment and erosion



control; 6) improved water quality; 7) increased recreational opportunities; 8) enhanced public access; 9) improved agricultural diversion for water delivery and fish passage.

**Budget Installation and Timeline:** The budget timeline assumes 100 percent of TA funds would be spent between July 2020 and December 2021 in developing the Watershed Plan-EA document. Final design and construction funds would be spent between January 2022 and February 2024. Note that the timeline for final design and construction include FEMA permitting (CLOMR and LOMR).

**Leveraging of Other Funds:** See section above on Costs and Cost Sharing for an explanation on how other funds (outside of the NRCS) will be leveraged in the project.



## Appendix A – Sponsor Request Letter





April 16, 2019

Mr. Tim Wilson  
State Conservationist  
Natural Resources Conservation Service (NRCS)  
Wallace F. Bennett Federal Building  
125 South State Street, Room 4010  
Salt Lake City, UT 84138-1100

RE: Springville City NRCS PL566 Grant Application - Project Sponsor Letter

Mr. Wilson,

The Federal Emergency Management Agency (FEMA) has been in the process of updating the Flood Insurance Rate Maps (FIRMs) in Utah County since around 2015. The FIRMs in Springville City were from 1985 and did not include the lower reach of Hobble Creek. This area was simply not mapped, in part because at the time this area was not developed outside of agricultural use. Since then residential and some commercial development has occurred. Preliminary floodplain maps were released in 2017 which showed that approximately 288 structures would be in the floodplain and some of them would be in the floodway. In addition, over 350 acres of undeveloped land was shown in the floodplain.

These new maps have helped Springville City understand a flood risk they did not fully understand previously. In response to this new information the City has proactively completed several engineering feasibility studies with the aim to reduce flood risk and the implications of the updated FIRMs on the residential and agricultural community.

The vision for this project goes beyond flood protection by including natural resource restoration and preservation; as well as city plans for recreation and access. Natural resource benefits include endangered fish habitat restoration and possible conservation easements to protect habitat and agricultural lands along Hobble Creek. The restoration of Hobble Creek will also incorporate expansion of a trail system and river access near a park and other areas identified in city masterplans. The project will also preserve the economic value of undeveloped agricultural lands by removing these areas from the floodplain.

The project would be funded by a unique set of project partners, including the Natural Resource Conservation Service (NRCS), FEMA, the US Bureau of Reclamation (USBR) June Sucker Recovery Program, Division of Natural Resources (DNR), and others. Springville City is evaluating options to fund a portion of the project through the purchase and donation of property and is investigating the implementation of a special service district that would allow the citizens benefited by the project to contribute.

Springville City requests technical assistance, final design, and construction funding. The technical assistance will facilitate additional studies and negotiations with property owners and project partners; as well as facilitate a public process through a Plan-EA.

Springville City is in full support of this project and will be the project sponsor.

Sincerely,

A handwritten signature in black ink, appearing to read "T. Fitzgerald". The signature is written in a cursive, somewhat stylized font with a prominent initial "T".

Troy Fitzgerald  
Springville City Administrator



## Appendix B – Environmental Evaluation

**A. Client Name:** Springville City

**B. Conservation Plan ID #** (as applicable):  
**Program Authority** (optional):

**C. Identification #** (farm, tract, field #, etc. as required):

**D. Client's Objective(s) (purpose):**  
The purpose of the project is to provide flood protection to approximately 858 people, 260 structures, and over 370 acres of residential and agricultural land.

**E. Need for Action:**  
The purpose of the project is to provide flood protection to approximately 858 people, 260 structures, and over 370 acres of residential and agricultural land. This project is needed to reduce flood risk and update FEMA floodplain mapping, thereby reducing financial impact to the public in the form of potential flood damage, flood insurance premiums, potential costly structural flood protection retrofits, and the devaluing for residential and agricultural lands. Fish habitat restoration measures are needed along Hobble Creek to restore critical habitat for the endangered June Sucker fish, including the removal/reconstruction of a diversion on the lower reach. These habitat restoration measures are also needed to connect sections of Hobble Creek where previous restoration measures have been implemented. Lastly, the purpose of the project is to make the restored Hobble Creek a public amenity by encouraging and accommodating easy public access. Because of the development pressure and potential in the area, it is critical that the project move forward now in order to maintain feasibility and provide the most benefit.

H. Alternatives		
No Action	Alternative 1	Alternative 2
√ if RMS <input type="checkbox"/>	√ if RMS <input type="checkbox"/>	√ if RMS <input type="checkbox"/>
The project would not be funded. The proposed actions would not be implemented.	Build a FEMA certified levee system along approximately 2.3 miles of Hobble Creek. The levees will be set back from the stream to restore and preserve a fish habitat and wetland corridor. Fish habitat restoration measures within the corridor will include creating a more natural sinuous channel and staged floodplain agreeable to the native June Sucker fish, protected in perpetuity by conservation easements. Public access areas will be included in the design, accommodating a city planned trail system and parks.	

**G. Special Environmental Concerns**  
(Document existing/benchmark conditions)

J. Impacts to Special Environmental Concerns						
	No Action		Alternative 1		Alternative 2	
	Document all impacts (Attach Guide Sheets as applicable)	√ if needs further action <input type="checkbox"/>	Document all impacts (Attach Guide Sheets as applicable)	√ if needs further action <input type="checkbox"/>	Document all impacts (Attach Guide Sheets as applicable)	√ if needs further action <input type="checkbox"/>
<b>•Clean Air Act</b> <i>Guide Sheet FS1 FS-2</i> Nonattainment and/or Maintenance areas for Ozone, PM 2.5, and PM 10 are in the vicinity of the planning area. There are no Class 1 areas nearby. Source: UDEQ Website	No Effect	<input type="checkbox"/>	May Effect	<input type="checkbox"/>		<input type="checkbox"/>
<b>•Clean Water Act / Sec 404 Waters of the U.S.</b> <i>Guide Sheet Fact Sheet</i> Hobble Creek would be considered Waters of the US and is located within the planning area.	No Effect	<input type="checkbox"/>	May Effect	<input type="checkbox"/>		<input type="checkbox"/>
<b>•Clean Water Act / Sec 303 Impaired Waters</b> <i>Guide Sheet Fact Sheet</i> Hobble Creek is listed as	Not applicable	<input type="checkbox"/>	No Effect	<input type="checkbox"/>		<input type="checkbox"/>

"impaired" due to pH under Section 303(d) of the CWA located within the planning area. Source: UDEQ website.					
<b>•Clean Water Act / Sec 402 National Pollutant Discharge</b> <i>Guide Sheet Fact Sheet</i> Point-source discharges could result from ground disturbing activities.	No Effect	<input type="checkbox"/>	May Effect Point-source discharges may result from practices. NPDES permit WILL BE obtained by client. See documentation in case file.	<input type="checkbox"/>	<input type="checkbox"/>
<b>•Coastal Zone Management</b> <i>Guide Sheet Fact Sheet</i> No Coastal Zone Management Areas occur within or near the planning area.	Not applicable	<input type="checkbox"/>	Not applicable	<input type="checkbox"/>	<input type="checkbox"/>
<b>Coral Reefs</b> <i>Guide Sheet Fact Sheet</i> No Coral Reefs occur within or near the planning area.	Not applicable	<input type="checkbox"/>	Not applicable	<input type="checkbox"/>	<input type="checkbox"/>
<b>•Cultural Resources / Historic Properties</b> <i>Guide Sheet Fact Sheet</i> There may be cultural resources or historic properties present within the Area of Potential Effect	No Effect	<input type="checkbox"/>	May Effect Consultation with SHPO/Tribes will be completed and any adverse effects to cultural resources and/or historic properties will be mitigated.	<input type="checkbox"/>	<input type="checkbox"/>
<b>•Endangered and Threatened Species</b> <i>Guide Sheet Fact Sheet</i> Listed species and their habitats are present in proximity to the planning area, based on : USFWS IPaC System for Utah County.	No Effect	<input type="checkbox"/>	May Effect Channel work may affect, but is not likely to adversely affect June sucker and Ute ladies'-tresses because the project will avoid spawning season, provide additional spawning habitat, and likely provide additional ULT habitat.	<input type="checkbox"/>	<input type="checkbox"/>
<b>Environmental Justice</b> <i>Guide Sheet Fact Sheet</i> Between 3 to 8% of households in census area are low income and between 12 to 20% are minorities (slightly below the State average.) No Indian Tribes are located near the planning area. Source: EPA's EJSCREEN Mapper.	No Effect	<input type="checkbox"/>	May Effect No disproportionately high and adverse environmental or human health effect on a low-income population, minority population, or Indian Tribe will occur due to the wholly beneficial nature of the project.	<input type="checkbox"/>	<input type="checkbox"/>
<b>•Essential Fish Habitat</b> <i>Guide Sheet Fact Sheet</i> No EFH is present in or downstream of the planning area. Source: NOAA EFH Mapper	Not applicable.	<input type="checkbox"/>	Not applicable.	<input type="checkbox"/>	<input type="checkbox"/>
<b>Floodplain Management</b> <i>Guide Sheet Fact Sheet</i> A 100-year floodplain is present in or near the planning area.	May Effect Without NRCS assistance, client will still have many residents' homes located within the 100-year floodplain.	<input type="checkbox"/>	May Effect No increased flood hazard or other adverse effect to the existing natural and beneficial values of the floodplain or lands adjacent or downstream is likely.	<input type="checkbox"/>	<input type="checkbox"/>
<b>Invasive Species</b> <i>Guide Sheet Fact Sheet</i> Invasive species are present in or near the planning area.	No Effect	<input type="checkbox"/>	May Effect Practices will provide for the control and/or prevent the introduction and/or spread of invasive species.	<input type="checkbox"/>	<input type="checkbox"/>
<b>•Migratory Birds/Bald and Golden Eagle Protection Act</b> <i>Guide Sheet Fact Sheet</i> Habitat for migratory birds is present within the planning area.	No Effect	<input type="checkbox"/>	May Effect No take of any migratory bird, nest, or egg is expected to occur [and/or] planned practices will not take or disturb eagles.	<input type="checkbox"/>	<input type="checkbox"/>
<b>Natural Areas</b> <i>Guide Sheet Fact Sheet</i> There are no designated natural	Not applicable	<input type="checkbox"/>	Not applicable	<input type="checkbox"/>	<input type="checkbox"/>

areas present in or near the planning area. Source: utah.com/natural-areas					
<b>Prime and Unique Farmlands</b> <i>Guide Sheet Fact Sheet</i> Prime/unique farmlands or farmlands of statewide/local importance are present within the planning area.	No Effect	<input type="checkbox"/>	May Effect Practice may irreversibly convert prime/unique farmland of statewide/local importance to nonagricultural use.	<input type="checkbox"/>	<input type="checkbox"/>
<b>Riparian Area</b> <i>Guide Sheet Fact Sheet</i> Riparian areas are present within the planning area.	No Effect	<input type="checkbox"/>	May Effect Practice(s) will maintain or improve water quality, water quantity, and fish and wildlife benefits provided by the riparian area(s).	<input type="checkbox"/>	<input type="checkbox"/>
<b>Scenic Beauty</b> <i>Guide Sheet Fact Sheet</i> Moderate quality visual resources (Hobble Creek and associated vegetation) are located within the planning area.	No Effect	<input type="checkbox"/>	May Effect Short-term impacts to the scenic quality of the general landscape may occur due to ground disturbance, but no long-term impacts are expected.	<input type="checkbox"/>	<input type="checkbox"/>
<b>Wetlands</b> <i>Guide Sheet Fact Sheet</i> Wetlands may be present within the planning area	No Effect	<input type="checkbox"/>	May Effect No adverse effect on wetlands in or near the planning area is expected because a purpose of the project is to improve wetlands.	<input type="checkbox"/>	<input type="checkbox"/>
<b>Wild and Scenic Rivers</b> <i>Guide Sheet Fact Sheet</i> No Federal or State designated Wild, Scenic, or Recreational river segments or rivers listed in the Nationwide Rivers Inventory (NRI) are present in or near the planning area.	Not applicable	<input type="checkbox"/>	Not applicable	<input type="checkbox"/>	<input type="checkbox"/>
<b>K. Other Agencies and Broad Public Concerns</b>	<b>No Action</b>		<b>Alternative 1</b>		<b>Alternative 2</b>
Easements, Permissions, Public Review, or Permits Required and Agencies Consulted.	None Required		Easements may be required for levee system. Permits that will likely need to be procured either during planning or construction include the following: 1) Clean Water Act Section 404 permit – U.S. Army Corps of Engineers; 2) Utah State Stream Alteration Permit – Utah Division of Water Rights.  Compliance with the Endangered Species Act will likely require consultation (informal or formal) with the U.S. Fish and Wildlife Service. Compliance with numerous cultural resource protection laws will require field inventory of cultural resources and concurrence from the Utah State Historic Preservation Office (SHPO), and may require avoidance or mitigation measures.		
Cumulative Effects Narrative (Describe the cumulative impacts considered, including past, present and known future actions regardless of who performed the actions)	No cumulative effects would occur as no direct or indirect impacts would occur.		Cumulative impacts are unknown at this stage of planning.		
<b>L. Mitigation</b> (Record actions to avoid, minimize, and compensate)	None Required		No potential mitigation needs have been identified at this time, as no adverse impacts are anticipated with the preferred alternative.		

<b>M. Preferred Alternative</b>	<input checked="" type="checkbox"/> preferred alternative	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Describe impacts (+ or -) on any resources not identified above:		Does not align with the purpose and need of the project.	No other resource impacts are anticipated.	
Supporting reason		Project impacts are unknown at this stage of project planning.		

**N. Context** (Record context of alternatives analysis)      local      local     

The significance of an action must be analyzed in several contexts such as society as a whole (human, national), the affected region, the affected interests, and the locality.

**O. Determination of Significance or Extraordinary Circumstances**

**Intensity:** Refers to the severity of impact. Impacts may be both beneficial and adverse. A significant effect may exist even if the Federal agency believes that on balance the effect will be beneficial. Significance cannot be avoided by terming an action temporary or by breaking it down into small component parts.

**If you answer ANY of the below questions "yes" then contact the State Environmental Liaison as there may be extraordinary circumstances and significance issues to consider and a site specific NEPA analysis may be required.**

Yes	No	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	• Is the preferred alternative expected to cause significant effects on public health or safety?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	• Is the preferred alternative expected to significantly affect unique characteristics of the geographic area such as proximity to historic or cultural resources, park lands, prime farmlands, wetlands, wild and scenic rivers, or ecologically critical areas?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	• Are the effects of the preferred alternative on the quality of the human environment likely to be highly controversial?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	• Does the preferred alternative have highly uncertain effects or involve unique or unknown risks on the human environment?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	• Does the preferred alternative establish a precedent for future actions with significant impacts or represent a decision in principle about a future consideration?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	• Is the preferred alternative known or reasonably expected to have potentially significant environment impacts to the quality of the human environment either individually or cumulatively over time?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	• Will the preferred alternative likely have a significant adverse effect on ANY of the special environmental concerns? Use the Evaluation Procedure Guide Sheets to assist in this determination. This includes, but is not limited to, concerns such as cultural or historical resources, endangered and threatened species, environmental justice, wetlands, floodplains, coastal zones, coral reefs, essential fish habitat, wild and scenic rivers, clean air, riparian areas, natural areas, and invasive species.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	• Will the preferred alternative threaten a violation of Federal, State, or local law or requirements for the protection of the environment?

**P. To the best of my knowledge, the data shown on this form is accurate and complete:**

In the case where a non-NRCS person (e.g. a TSP) assists with planning they are to sign the first signature block and then NRCS is to sign the second block to verify the information's accuracy.

<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>Signature (TSP if applicable)</b>	<b>Title</b>	<b>Date</b>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>Signature (NRCS)</b>	<b>Title</b>	<b>Date</b>

If preferred alternative is not a federal action where NRCS has control or responsibility and this NRCS-CPA-52 is shared with someone other than the client then indicate to whom this is being provided.

**The following sections are to be completed by the Responsible Federal Official (RFO)**

NRCS is the RFO if the action is subject to NRCS control and responsibility (e.g., actions financed, funded, assisted, conducted, regulated, or approved by NRCS). These actions do not include situations in which NRCS is only providing technical assistance because NRCS cannot control what the client ultimately does with that assistance and situations where NRCS is making a technical determination (such as Farm Bill HEL or wetland determinations) not associated with the planning process.

**Q. NEPA Compliance Finding (check one)**

The preferred alternative:	Action required
<input type="checkbox"/> 1) is <b>not a federal action</b> where the agency has control or responsibility.	Document in "R.1" below. No additional analysis is required
<input type="checkbox"/> 2) is a federal action <b>ALL</b> of which is <b>categorically excluded</b> from further environmental	Document in "R.2" below

<input type="checkbox"/>	2) is a federal action <b>ALL</b> of which is <b>categorically excluded</b> from further environmental analysis <b>AND</b> there are <b>no extraordinary circumstances as identified in Section "O"</b> .	Document in "R.2" below. No additional analysis is required
<input type="checkbox"/>	3) is a federal action that has been <b>sufficiently analyzed</b> in an existing Agency state, regional, or national NEPA document <b>and</b> there are no predicted <u>significant adverse environmental effects or extraordinary circumstances</u> .	Document in "R.1" below. No additional analysis is required.
<input type="checkbox"/>	4) is a federal action that has been sufficiently analyzed in another Federal agency's NEPA document (EA or EIS) that addresses the proposed NRCS action and its' effects <b>and has been formally adopted by NRCS</b> . NRCS is required to prepare and publish its own Finding of No Significant Impact for an EA or Record of Decision for an EIS when adopting another agency's EA or EIS document. <b>(Note: This box is not applicable to FSA)</b>	Contact the State Environmental Liaison for list of NEPA documents formally adopted and available for tiering. Document in "R.1" below. No additional analysis is required
<input type="checkbox"/>	5) is a federal action that has <b>NOT</b> been sufficiently analyzed or may involve predicted significant adverse environmental effects or extraordinary circumstances and may require an EA or EIS.	Contact the State Environmental Liaison. Further NEPA analysis required.

**R. Rationale Supporting the Finding**

<b>R.1</b> Findings Documentation	
<b>R.2</b> Applicable Categorical Exclusion(s) <b>(more than one may apply)</b>  7 CFR Part 650 <i>Compliance With NEPA</i> , subpart 650.6 <i>Categorical Exclusions</i> states prior to determining that a proposed action is categorically excluded under paragraph (d) of this section, the proposed action must meet six sideboard criteria. See NECH 610.116.	

*I have considered the effects of the alternatives on the Resource Concerns, Economic and Social Considerations, Special Environmental Concerns, and Extraordinary Circumstances as defined by Agency regulation and policy and based on that made the finding indicated above.*

**S. Signature of Responsible Federal Official:**

Signature

Title

Date

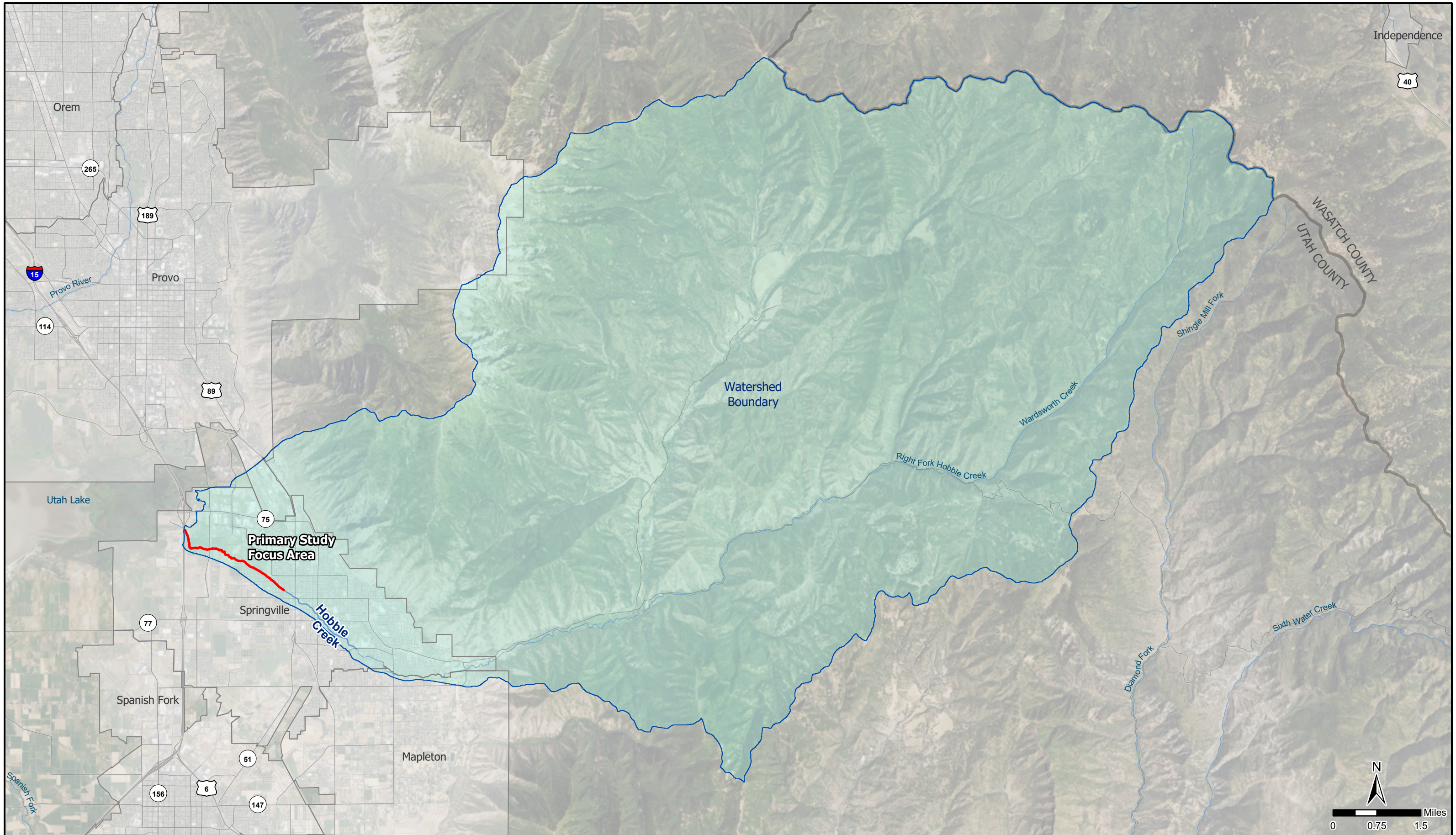
**Additional notes**





## Appendix C – Maps & Exhibits





	Watershed Boundary
	Primary Study Focus Area

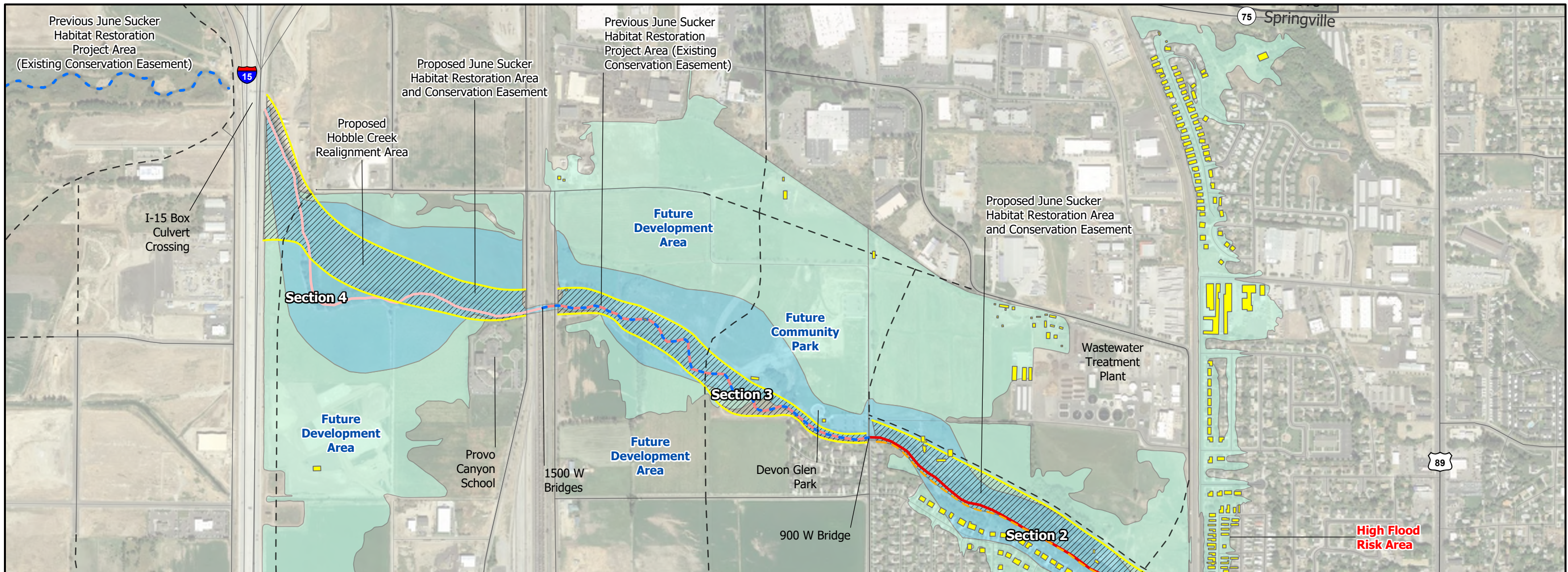


**Jones & DeMille  
Engineering**

- Shaping the Quality of Life -  
800.748.5275 www.jonesanddemille.com

<b>Hobbie Creek Watershed Plan</b>		Utah County
<b>Springville City Flood Control Project</b>		Scale: 1" = 1.5 Miles
<small>Map Name: H:\JD\Proj\1906-148\Design\GIS\Projects\1906-148_Design\1906-148_Design.aprx - EXH01 Study Area</small> <small>Project Number: 1906-148      Drawn by: JWW 07-19      Last Edit: 07/09/2019</small>		1





Summary of Project Alternative

Hobble Creek Section	Location	Channel Length (feet)	Proposed Alternative Description	Structures Removed from Floodplain	Acres Removed from Floodplain	Proposed Conservation Easement (acres)
0	100 West to 200 West	589	Sheet Pile Levees Trail System	9	4	0
1	200 West to 400 West	1,331	Sheet Pile Levees Trail System	167	60	0
2	400 West to 950 West	3,365	Earthen Levees on North Bank Next to Proposed Future Road Sheet Pile Levees on South Bank June Sucker Habitat Restoration Measures and Conservation Easement Trail System	75	87	18
3	950 West to 1500 West	3,360	Earthen Levees Protect Existing June Sucker Habitat Restoration Measures and Conservation Easement Facilitate Future Community Park Access Trail System	8	117	0*
4	1500 West to I-15	3,694	Earthen Levees June Sucker Habitat Restoration Measures and Conservation Easement Trail System	1	108	23

\*Conservation easement in place from previous June Sucker recovery program project

Channel Sections

- Section 0
- Section 1
- Section 2
- Section 3
- Section 4

Proposed Project Measures

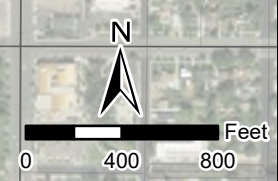
- Earthen Levees
- Sheet Pile Levees
- Previous June Sucker Recovery Program Project Area

- Buildings within Updated FEMA Floodplains
- Proposed Reduced FEMA Floodplain with Project
- Updated FEMA Floodplains (Effective ~June 2020)
- AE Zone
- Floodway

**Jones & DeMille Engineering**  
- Shaping the Quality of Life -  
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**Hobble Creek Restoration Project**  
Utah County  
Springville City  
Scale: 1" = 800'  
1

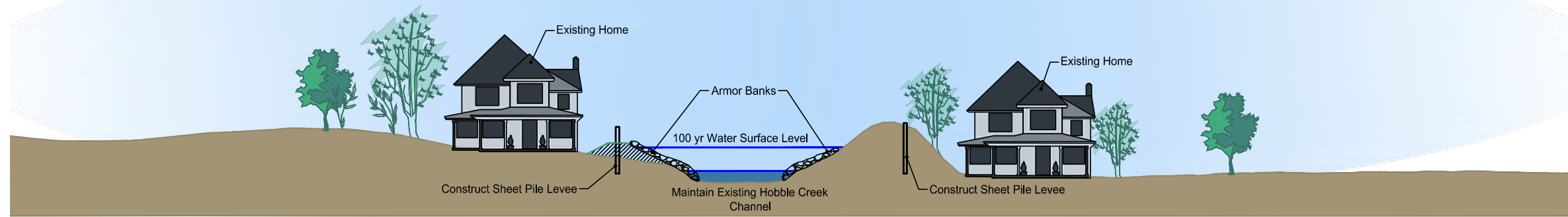
Map Name: H:\JD\Proj\1906-148\Design\GIS\Projects\Design\1906-148\_Design.aprx - EXH Project Alternative  
Project Number: 1906-148  
Drawn by: JWW 07-19  
Last Edit: 12/02/2019



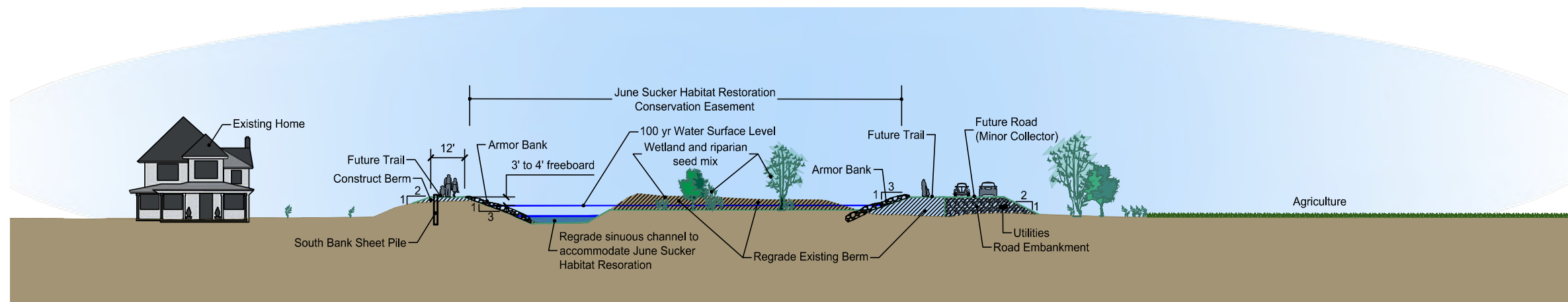


# Hobble Creek Restoration Project

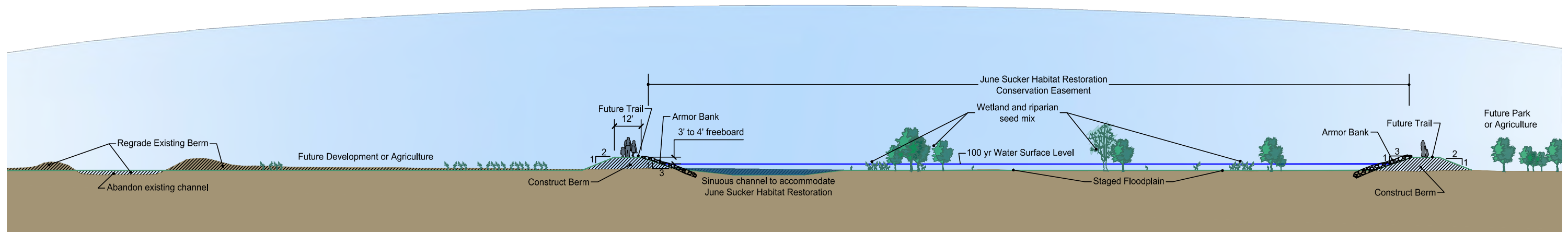
## Typical Cross-Sections



TYPICAL CROSS-SECTION #1 - SHEET PILE LEVEES



TYPICAL CROSS-SECTION #2 - SOUTH SHEET LEVEE & NORTH EARTHEN LEVEE



TYPICAL CROSS-SECTION #3 / #4 - EARTHEN LEVEES

Note: Section 3 levees are protecting a previous June Sucker habitat restoration project area.



## Appendix D – Letters of Support



1594 West North Temple, Ste 3710  
Salt Lake City, Utah 84116

**Christopher Keleher**  
Recovery Program Director

**Michael Mills**  
Recovery Program Coordinator

**Participating Agencies**  
Utah Department of Natural  
Resources

U.S. Fish and Wildlife Service

Central Utah Water Conservancy  
District

Utah Reclamation Mitigation and  
Conservation Commission

U.S. Department of the Interior

U.S. Bureau of Reclamation

Provo River Water Users  
Association

Provo Reservoir Water Users  
Company

Outdoor and Environmental  
Interests

April 16, 2020

Jeff Anderson  
City Engineer  
Springville City  
110 South Main  
Springville City, Utah 84663

Subject: Hobble Creek Enhancements and Restoration

Dear Mr. Anderson,

Please accept this letter in support of Springville City's efforts to improve and restore Hobble Creek. The June Sucker Recovery Implementation Program (JSRIP) is a collaborative partnership among eight local, state, and federal agencies that exists to recover the endangered June sucker while allowing ongoing water use and development.

The JSRIP has implemented a variety of projects on Hobble Creek with the intention of improving habitat conditions, stream function, and supporting June sucker spawning activity. These projects have included property acquisition, securing water for instream flows, and large-scale habitat restoration. While our efforts have focused on establishing a June sucker spawning run in Hobble Creek, the benefits of these efforts extend beyond June sucker and include improved stream function along with benefits to all species that depend on Hobble Creek.

The JSRIP supports Springville City's efforts to implement beneficial projects along Hobble Creek. We have successfully partnered with Springville City on past stream restoration work that has improved the function of Hobble Creek and increased its benefits to June sucker and other wildlife. We are committed to continued restoration work on Hobble Creek and are interested in partnering with Springville City and others through in kind and financial contributions to allow additional projects to be completed.

Sincerely,

Michael Mills  
Recovery Program Coordinator



State of Utah

GARY R. HERBERT

SPENCERJ.COX

## Department of Public Safety

Jess L. Anderson  
Commissioner

April 9, 2020

The Utah DEM office is aware of the implications of the updated floodplain maps for Utah County. In the project area the updated flood data will increase an estimated additional 288 structures (primarily residential) in the floodplain and floodway. Previous to the Utah County FEMA FIRM updates, this area was not mapped and risks were unknown. These new maps have helped Springville City understand a flood risk they did not fully understand previously.

The Utah DEM office has been aware of project feasibility studies over the last 2 years with the aim to increase the flood protection while reducing the impacts of the newly mapped floodplain and floodway. Springville City has informed the Utah DEM office of this through several meetings and by their representation at the last two FEMA funding workshops in 2018 and 2019.

It is the understanding of DEM, this project would be funded by several project partners, including the NRCS, Springville City, the June Sucker Recovery Implementation Program, and others. Project benefits include flood risk reduction, FEMA floodplain and floodway reduction, economic benefits due to increased land value and buildability, recreation (facilitating city plans for trails, parks, and river access), natural resources (June Sucker habitat restoration, possible conservation easements), etc.

Additional studies completed as part of the analysis and design of the project will help Springville City position for and submit a future FEMA funding application, which would help pay for final design and construction of the project. The Utah DEM office is supportive of the project and would look forward to being involved reviewing the funding application in preparation for submittal to FEMA. The Utah DEM office also looks forward to participating in the project as a project partner in further studies, final design, and construction.

Sincerely,

A handwritten signature in black ink, appearing to read "Brad Bartholomew".

Brad Bartholomew  
State Hazard Mitigation Officer