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Governor

GREG BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Water Rights

KENT L. JONES
State Engineer/Division Director

February 19, 2013

RE: Stream Channel Alteration No. 13-51-01SA
Spring Creek
Utah County Government / Public Works Dept.

Attached is a copy of an application to alter a natural stream, which has been submitted to the Division of Water Rights (Division) for processing.

In processing this application, the Division will work to determine if the project will:

- Unreasonably or unnecessarily affect any recreational use or the natural stream environment;
- Unreasonably or unnecessarily endanger aquatic wildlife;
- Unreasonably or unnecessarily diminish the natural channel's ability to convey high flows; or
- Impair vested water rights.

Any decision made regarding this application will be based exclusively on these four criteria. If you have information regarding these four criteria that will aid the Division in making a determination and subsequent decision, please submit this information, in writing, to this office prior to **March 11, 2013**. For questions or comments pertaining to all other aspects of the project, please contact the applicant listed on the front page of the application directly.

Sincerely,

Tiffany Gonzales
for Chuck Williamson, P.G.
Stream Alteration Specialist

Pc: Richard Clark - EPA
Corps of Engineers
Supervisor - U. S. Fish & Wildlife
Teresa Wilhelmsen - Regional Engineer
Mark Farmer - Regional Wildlife Habitat Manager
Carmen Bailey - Aquatic Habitat Coordinator
Bill Damery - DEQ, Water Quality Division
Laura Ault - Forestry Fire & State Lands
Kelly Beck - RDCC Coordinator
State Parks & Recreation
Lori Hunsaker - State History
W. D. Robinson - Department of Agriculture
Judy Watanabe - CEM



Rec. by CDWC
 Fee Rec. 9.500
 Receipt # 13-00616

JOINT PERMIT APPLICATION FORM
 U.S ARMY CORPS OF ENGINEERS – FOR SECTIONS 404 AND 10
 UTAH STATE ENGINEER’S OFFICE – FOR NATURAL STREAM CHANNELS

Application Number 13-51-015A
 (assigned by): _____ Corps _____ State Engineer

Applicant's Name (Last, First M.I. or entity if not an individual) Utah County Government/Public Works Dept		Authorized Applicant Representative (if any) Richard J Nielson/Glen G Tanner		Applicant's Telephone Number and Area Code 801-851-8600	
				Representative's Telephone Number and Area Code 801-851-8622	
Applicant's Address (Street, RFD, Box, Number, City, State, Zip) 2855 South State Street Provo, UT 84606					
PROJECT LOCATION					
Quarter Section(s) SW lot 5		Section 19	Township 7S	Range 3E	Base & Meridian Salt Lake
County Utah		Associated Watercourse or Watercourse to be Altered Spring Creek		Check one: <input type="checkbox"/> Within City Limits <input checked="" type="checkbox"/> Outside City Limits List town or nearest town: Springville	
Project location or address: Outlet of the culvert located on the west frontage road heading north of the off ramp of I-15 Exit 261 to the convergence point with Utah Lake					
Brief description of project including methods and equipment to be employed to complete the work: Dredging, shaping and removal of sand and silt of approximately 1200 linear feet. See attached drawing for proposed cross section.					
Purpose (justification) of project: The dredging of the channel would increase the streams capacity allowing flows to remain in banks and reducing backup on surrounding landowners. Also, the dredging is needed to eliminate the oversaturation of the ground that is weakening the integrity of the I-15.					
Is this a single and complete project or is part of a larger project, continuing project, or other related activities? If so, please describe the larger project or other related activities. This is a single and complete project.					
If project included the discharge of dredged or fill material into a watercourse or wetland: Cubic yards of material: NONE Acreage or square footage of waters of the United States affected by the project: Source and type of fill material: Length of stream that will be impacted below ordinary high water elevation:					

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 SALT LAKE

Alternatives (other ways to accomplish project purpose):

There appears to be no other alternatives.

Describe any proposed mitigation to offset impacts to the stream channel.

There is currently no proposed mitigation.

Cultural resource impacts:

Are you aware of any cultural resources or any historic properties that will be impacted by the proposed project? Yes No
If Yes, please explain:

Has a cultural resource survey been conducted on the property where the proposed project is to occur? Yes No
If Yes, please briefly explain the survey results:

List other authorizations required by Federal, state, or local governments (i.e.: National Flood Insurance Program), and the status of those authorizations.

Unaware of any other authorizations needed.

Estimated starting date of project:

2/26/2013

Estimated completion date:

6/3/2013

Please complete the following checklist

Failure to indicate that all pertinent information has been submitted will result in your application being returned.

- Appropriate application processing fee payment (see fee schedule below).
- A clear site location map with enough detail to easily find the site, a recent aerial/satellite image of the site, and a USGS topography map (7.5 minute quadrangle map is recommended).
- Plan view and cross-sectional drawings showing all work requiring a permit, including fills, structures, borrow sites, staging areas and storage areas. The drawings must clearly demarcate the ordinary high water mark of the waters of the U.S. to be impacted. Professional drawings are not required; however, drawings must be scaled or indicate dimensions of the work to be completed.
- A restoration plan for any areas temporarily disturbed during work, including re-contouring, revegetation with appropriate native plants and maintenance and monitoring to ensure success for the restored area.
- Ground photographs taken from various locations of the proposed disturbance area.
- Please check the box if the proposed project involves bank stabilization or protection. If so, please complete the following:
 - A narrative demonstrating the proposed activity incorporates the least damaging bank protection methods. These methods include, but are not limited to, the use of bioengineering, biotechnical design, root wads, large woody debris, native plantings, and beach nourishment in certain circumstances. If rock must be used due to site erosion conditions, explain how the bank stabilization structure incorporates elements beneficial to aquatic organisms.

- A description of current and expected post-activity sediment movement and deposition patterns in and near the activity area.
- A description of current and expected post-activity habitat conditions, including the presence of fish, wildlife and plant species in the activity area.
- An assessment of the likely impact the work would have on upstream, downstream and cross-stream properties (at a minimum the area assessed should extend from the nearest upstream bend to the nearest downstream bend of the watercourse). Specifically, discuss how the project will impact the following:
 - Will the activity accelerate deposition or erosion?
 - Will impacts to sensitive species or habitats result from a change in suspended sediment load or turbidity?
 - Will the activity affect the diversity of the channel by eliminating in-stream habitat, meanders, or gravel bars?
 - Will the activity result in a shift in the main flow patterns?
- A planting plan which involves the use of native riparian plants, unless the applicant demonstrates it is not appropriate or not practicable.

Application is hereby made for a permit or permits to authorize the activities described herein. I certify that I am familiar with the information contained in the application, and that to the best of my knowledge and belief, such information is true, complete and accurate. I further certify that I possess the authority to undertake the proposed activities or am acting as the duly authorized agent of the applicant which is a (check one of the following) commercial , non-commercial , or governmental entity.

Signature of Applicant Utah County Date: 11 Feb. 2013

I hereby certify that Glen G Tanner is acting as my agent on this project.

Agent's address and telephone number: 2855 South State Street, Provo UT 84606 (801-851-8622)

Filing Instructions

Application supplements should be submitted on paper no larger than 11 x 17 inches or alternatively as PDF format electronic files. If more than one watercourse is to be altered as a result of the project, a separate application must be submitted for each watercourse. Application fees must be received by the Division of Water Rights at the time of application submission and must be either hand delivered or submitted through standard mail.

Application Processing Fees

Application fees are based on the type of entity applying for the proposed stream alteration project.

Commercial Entities:	\$2000.00	per application processed.
Non-Commercial Entities:	\$100.00	per application processed.
Governmental Entities:	\$500.00	per application processed.



Spring Creek Improvements Dredging Project



Site #3
End Dredging Shaping and
Removal Improvements

Site #3
Begin Dredging Shaping and
Removal Improvements

- County Boundary
 - Paved Roads
 - Dirt Roads
 - Gravel Roads
 - Tax Parcels
- Waterlines**
- Stream or River
 - Intermittent Stream
 - Canal or Ditch
 - Pipeline
 - Tunnel
- 2011 Photo (6 inch)**
- RGB**
- Red: Band_1
 - Green: Band_2
 - Blue: Band_3



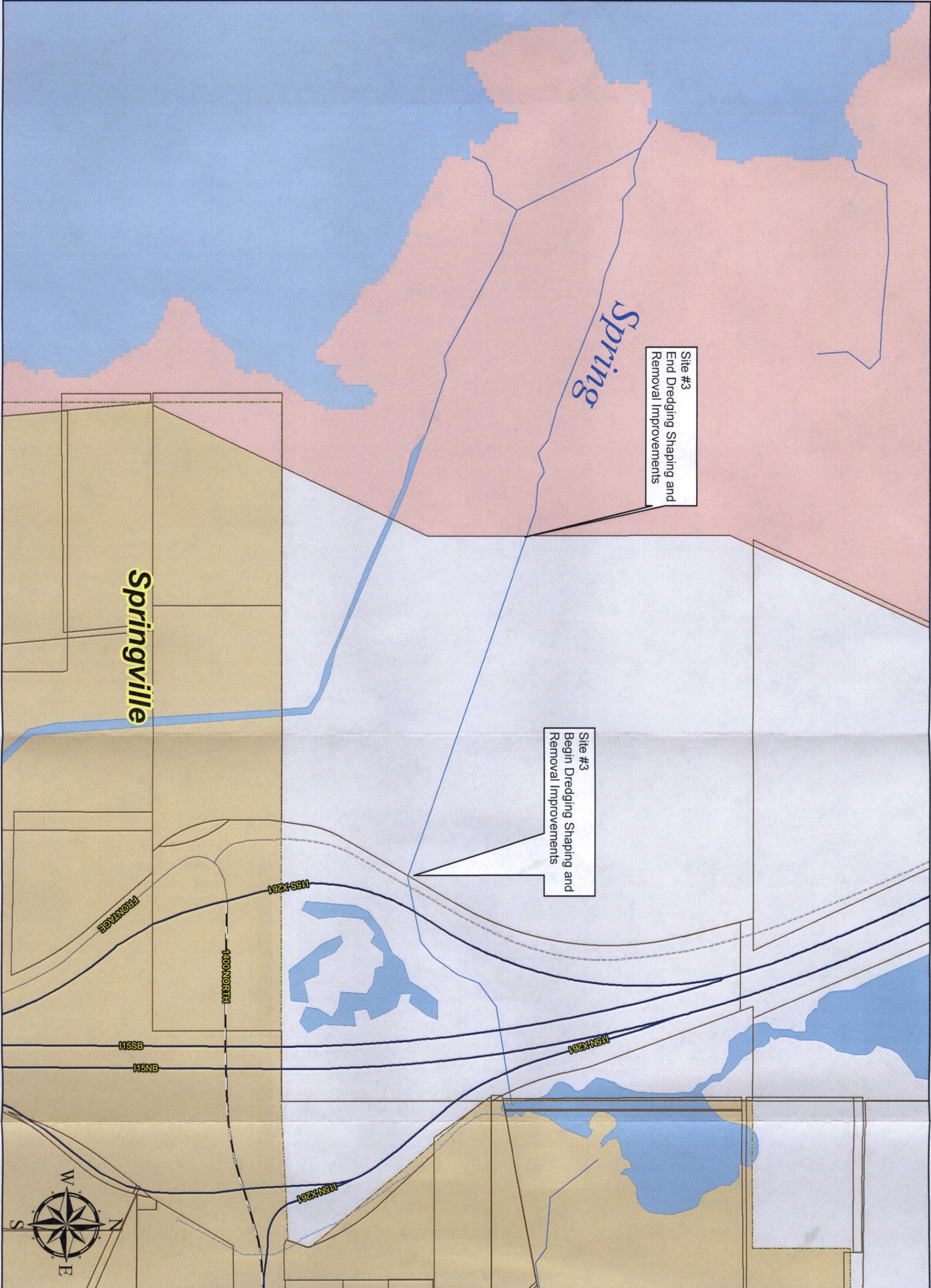
1:4,058
1 inch = 338.14 feet
Utah County Information Systems GIS Division
2855 South State Street
Provo, UT 84606
(801) 851-8626

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Spring Creek Improvements

Dredging Project

- Road Names (PK Scale)
- County Line
 - Education Facility
 - Government Offices
 - Court House
 - Library
 - Post Office
 - Hospital Facility
 - Church
 - LDS
 - Kirkham
 - Cemeteries
 - I-15
 - US HWY/State Route
 - Other FAE Route
 - Paved Roads
 - Dirt Roads
 - Gravel Roads
 - Railroads
 - Major Peaks
 - Minor Peaks
 - Parcels
 - Airport Runway / Airfield
 - National Forest Boundary
 - Municipal Boundary
 - Wilderness Boundary
 - B.L.M. Lands
 - National Park Service
 - National Forest
 - Military
 - State Lands
 - Golf Course
 - Park



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