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Governor

SPENCER J. COX
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

August 24, 2017

RE: Stream Channel Alteration No. 17-54-02SA
Tickville Wash
Eagle Mountain City

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 by **September 13, 2017**. 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,

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

Pc: Richard Clark - EPA
Corps of Engineers
Supervisor - U. S. Fish & Wildlife
Ross Hansen - Regional Engineer
Matt Howard - Regional Wildlife Habitat Biologist
Bill James - Wildlife Resources
Bill Damery - DEQ, Water Quality Division
Laura Ault - Forestry Fire & State Lands
RDCC Coordinator
State Parks & Recreation
Lori Hunsaker - State History
W. D. Robinson - Department of Agriculture
Kathy Holder - Department of Emergency Management



Rec. by #52727
 Fee Rec. \$500.00
 Receipt # 17-03318

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 17-54-02SA
 (assigned by): _____ Corps _____ State Engineer

Applicant's Name (Last, First M.I. or entity if not an individual) Eagle Mountain City		Authorized Applicant Representative (if any) Chris Trusty		Applicant's Telephone Number and Area Code	
				Representative's Telephone Number and Area Code (801) 789-6671	
Applicant's Address (Street, RFD, Box, Number, City, State, Zip) 1650 East Stagecoach Run Eagle Mountain, UT 84005					
PROJECT LOCATION					
Quarter Section(s) x: 419 359.48	Section 28	Township 5 South	Range 1 West	Base & Meridian 4467346.15 Salt Lake	
County Utah		Associated Watercourse or Watercourse to be Altered Tickville Wash		Check one: <input checked="" type="checkbox"/> Within City Limits <input type="checkbox"/> Outside City Limits List town or nearest town:	
Project location or address: Approx 7300 East Silverlake Parkway					
Brief description of project including methods and equipment to be employed to complete the work: Stabilize bank of tickville wash. Regrade bank to 3:1 maximum slope. Place rock rip rap using track hoes. Re-channel portion of wash away from bank. Revegetate slope of wash.					
Purpose (justification) of project: The side slopes of the wash are extremely steep and dangerous. This project will realign the direction of the main flow to create a larger radius and redirect the wash so it is not flowing directly at the bank of the wash. It will also stabilize the was by flattening out the side slopes to a 3:1 maximum slope. Large rock rip rap will be installed as well to prevent erosion.					
The tickville wash is a seasonal wash which seldom has water. It does not have indigenous aquatic life.					
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. Single Project					
If project included the discharge of dredged or fill material into a watercourse or wetland:					
Cubic yards of material:					
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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AUG 21 2017
 RJ

Alternatives (other ways to accomplish project purpose):	
Describe any proposed mitigation to offset impacts to the stream channel.	
Cultural resource impacts: Are you aware of any cultural resources or any historic properties that will be impacted by the proposed project? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, please explain:	
Has a cultural resource survey been conducted on the property where the proposed project is to occur? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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.	
Estimated starting date of project: August 2017	Estimated completion date: October 2017

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 and clearly illustrate where fill will be placed below the ordinary high water mark. 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 description of the need for the work, including the cause of the erosion and the threat posed to structures, infrastructure, and/or public safety.
 - 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 planting plan which involves the use of native riparian plants, unless the applicant demonstrates it is not appropriate or not practicable.
- An assessment of the likely impact the work would have on upstream, downstream and cross-stream properties. Specifically, discuss the following:
 - Will the activity accelerate deposition or erosion?
 - Will the activity involve relocation, channelization or realignment of a natural channel?
 - Will the activity result in a shift in the main flow patterns?

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 Celia Truby Date: Aug 10, 2017

I hereby certify that _____ is acting as my agent on this project.

Agent's address and telephone number: 1650 E. Stagecoach Run Eagle Mountain, UT
(801) 789-6671 84005

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 to the following address:

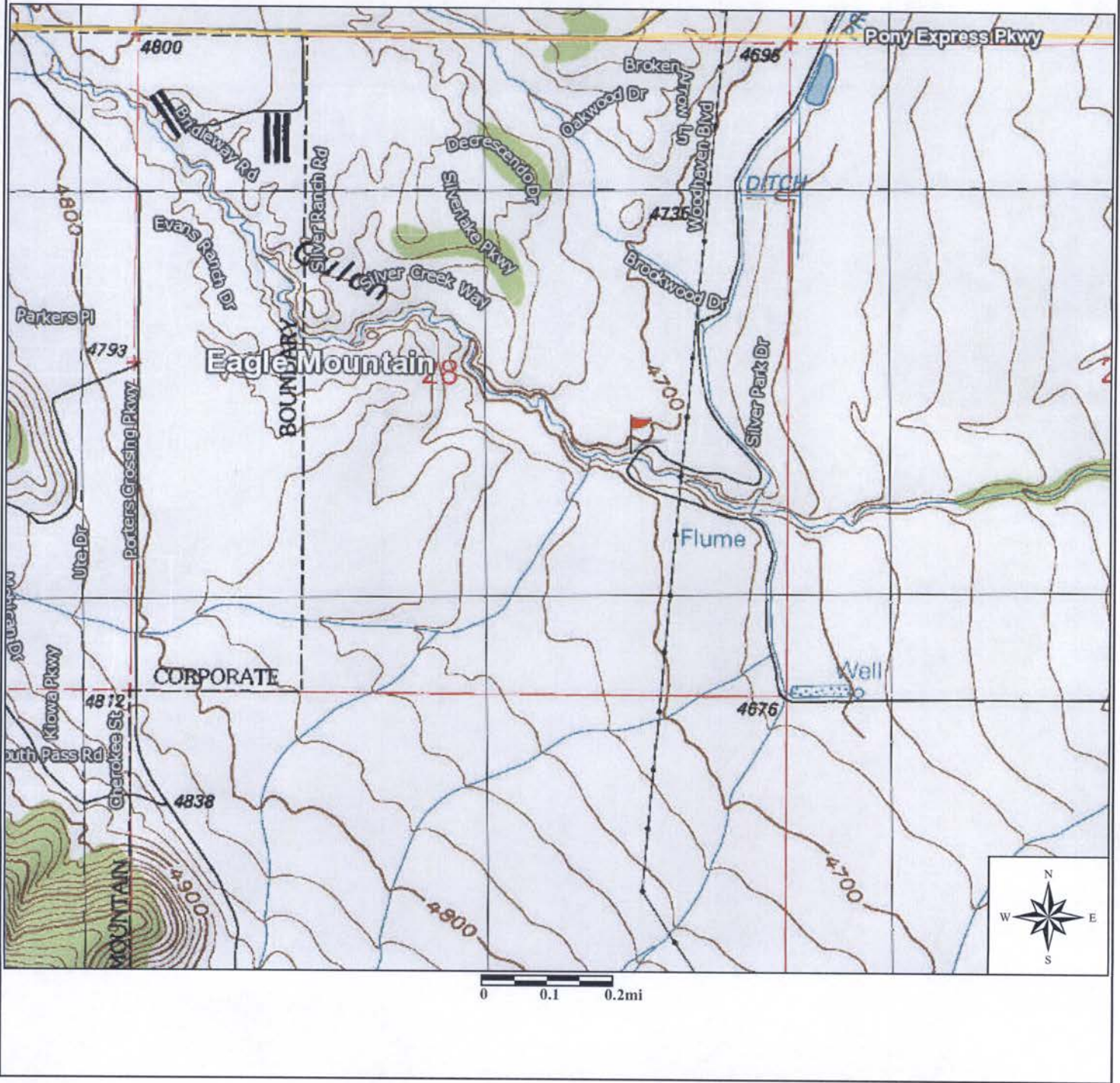
Utah Division of Water Rights
1594 W. North Temple, Suite 220
Salt Lake City, UT 84114-6300

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.

Water Rights Map



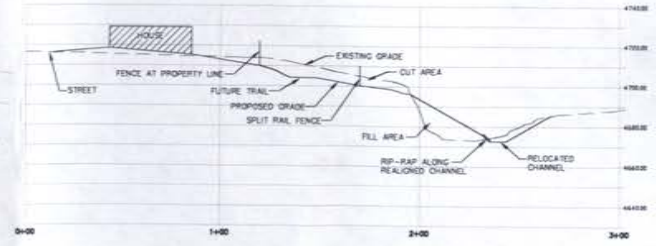
Water Rights Map





GENERAL NOTES

1. ALL CONSTRUCTION TO BE COORDINATED EAGLE MOUNTAIN CITY AND FOLLOW CITY STANDARDS AND SPECIFICATIONS.
2. CONTRACTOR TO COORDINATE LOCATION OF RE-ALIGNED CHANNEL AND EXTENT OF RIP-RAP WITH EAGLE MOUNTAIN CITY.
3. CONTRACTOR TO SOFTEN EDGES OF TICKVILLE WASH ALONG IMPROVEMENT AREAS. COORDINATE WITH EAGLE MOUNTAIN CITY FOR FINAL MODIFICATION.



TICKVILLE SECTION A-A

REVISIONS	
NO.	DATE
1	
2	
3	
4	

TRANE ENGINEERING, P.C.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 27 EAST MAIN LEHI, UTAH 84043 (801) 768-4544

EAGLE MOUNTAIN,
 UTAH

EAGLE MOUNTAIN CITY
 TICKVILLE WASH

TICKVILLE GRADING PROPOSAL

JOB
 SL16
 SHEET NO
 1