



SPENCER J. COX  
Governor

DEIDRE M. HENDERSON  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

BRIAN C. STEED  
Executive Director

### Division of Water Rights

TERESA WILHELMSEN  
State Engineer/Division Director

June 23, 2021

RE: Stream Channel Alteration No. 21-54-02SA  
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 **July 13, 2021**. 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: EPA  
Corps of Engineers  
Supervisor - U. S. Fish & Wildlife  
Ross Hansen - Regional Engineer  
Shane Hill - Wildlife Resources  
Eric Edgley - Wildlife Resources  
Bill Damery - DEQ, Water Quality Division  
Laura Ault - Forestry Fire & State Lands  
RDCC Coordinator  
State Parks & Recreation  
Department of Emergency Management



Rec. by CK#62658  
 Fee Rec. \$500.00  
 Receipt # 21-03982

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**JOINT PERMIT APPLICATION FORM**  
 U.S ARMY CORPS OF ENGINEERS – FOR SECTIONS 404 AND 10  
 UTAH STATE ENGINEER’S OFFICE – FOR SECTION 73-3-29 OF THE UTAH CODE

Application Number 21-54-02SA  
 (assigned by): \_\_\_\_\_ Corps \_\_\_\_\_ State Engineer

APPLICANT INFORMATION		
Applicant name (Last, First, M.I.) <b>Trusty, Chris</b>	Applicant telephone number <b>(801) 789-6671</b>	Applicant email <b>ctrusty@emcity.org</b>
Applicant address (street, RFD, box, number, city, state, zip) <b>Eagle Mountain City 2565 North Pony Express Pkwy Eagle Mountain, UT 84005</b>		
AUTHORIZED AGENT INFORMATION (if any)		
Authorized agent name	Authorized agent telephone number	Authorized agent email
Authorized agent address (street, RFD, box, number, city, state, zip)		
<p>X: <b>418650-81</b> PROJECT LOCATION AND STREAM INFORMATION Y: <b>4467599.68</b></p>		
Name of stream to be altered <b>Tickville Wash</b>	Latitude (in decimal degrees) <b>40.355</b>	County <b>Utah</b>
	Longitude (in decimal degrees) <b>111.958</b>	
Project location or address <b>Eagle Mountain City</b>	Characteristic water flow of stream to be altered <input type="checkbox"/> Water flow year-round (perennial) <input type="checkbox"/> Water flow during part of the year (intermittent) <input checked="" type="checkbox"/> Water flow only during/immediately following rain (ephemeral)	
PROJECT INFORMATION		
Final scope of work. Brief description of project including construction methods, equipment, etc. to be employed to complete the work. <b>This projects consists of filling in areas of steeper slopes to create a gentler sideslope due to concerns of nearly verticle walls that align the wash. Rip rap will be placed in areas more susceptible to erision. Existing Ox-Bow bends will be lessened while not entirely removed. This will also accomodate a street crossing to provide better connectivity for area residents. Other recreational improvements will be made outside of the actual area of flow such as trail and fencing.</b>		
Will the work result in the relocation, straightening, piping or a rearranging a natural stream channel? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Purpose (justification) of project. <b>Reduce steepness of sideslopes to remove dangerous conditions to provide for a safer interaction with the area. Install roadway crossing stream silimar to other local crossings.</b>		
Is this a single and complete project?* <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If no, please describe the larger project or other related activities?		

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**JUN 21 2021**  
 WATER RIGHTS  
 SALT LAKE

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\* A single and complete is the total project proposed or accomplished by the applicant. Single and complete projects may not be "piecemealed" to avoid the limits in this PGP authorization.

**PLACEMENT OF FILL MATERIAL IN WATERS OF THE U.S.**

Will fill\* material be placed in the stream for the construction of the project?     Yes     No

Linear feet of stream that will be impacted below ordinary high mark water\*\* elevation.    **Approx 700 feet**

Acres or square footage of stream affected by the project.    **1 acre**

Source and type of fill material    **Native materials from or near site**

\* Examples of fill material include, but are not limited to: rock, sand, soil, clay, plastics, construction debris, wood chips, and materials used to create any structure or infrastructure in the waters of the U.S.

\*\* The ordinary high water mark is the line on the bank established by fluctuations of water and indicated by physical characteristics such as shelving, destruction of terrestrial vegetation, presence of litter or debris, or changes in the character of soil. (see Figure 2 on page 2 for clarification).

**ADDITIONAL PROJECT INFORMATION**

What steps were taken to avoid and minimize impacts (i.e. avoid unnecessary impacts, minimize unavoidable impacts) to the stream? Indicate best management practices (ex. silt fencing) to be utilized during construction activities to avoid and minimize impacts to the stream.

**Contractors will be required to install silt fencing along the limits of the project. Additional, a pre-construction SWPPP meeting will take place prior to earthwork to identify areas of concern and ensure that they are addressed.**

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

Describe dewatering method if working in wetted channel/live water (provide drawing/sketch if necessary).

Alternatives (other ways to accomplish project purpose).

**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.

**Threatened and Endangered Species impacts**

Are there Federally-listed Threatened and/or Endangered Species in the project area?     Yes     No  
Have surveys for Threatened and/or Endangered Species been conducted on the property where the proposed project is to occur?     Yes     No

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

Federal Involvement: Is there a federal agency involved in this project (lease, right-of-way, funding, additional authorizations)?     Yes     No

Estimated starting date of project

**July 2021**

Estimated completion date of project

**November 2021**



**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.

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  Date: 6/17/2021

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

**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.

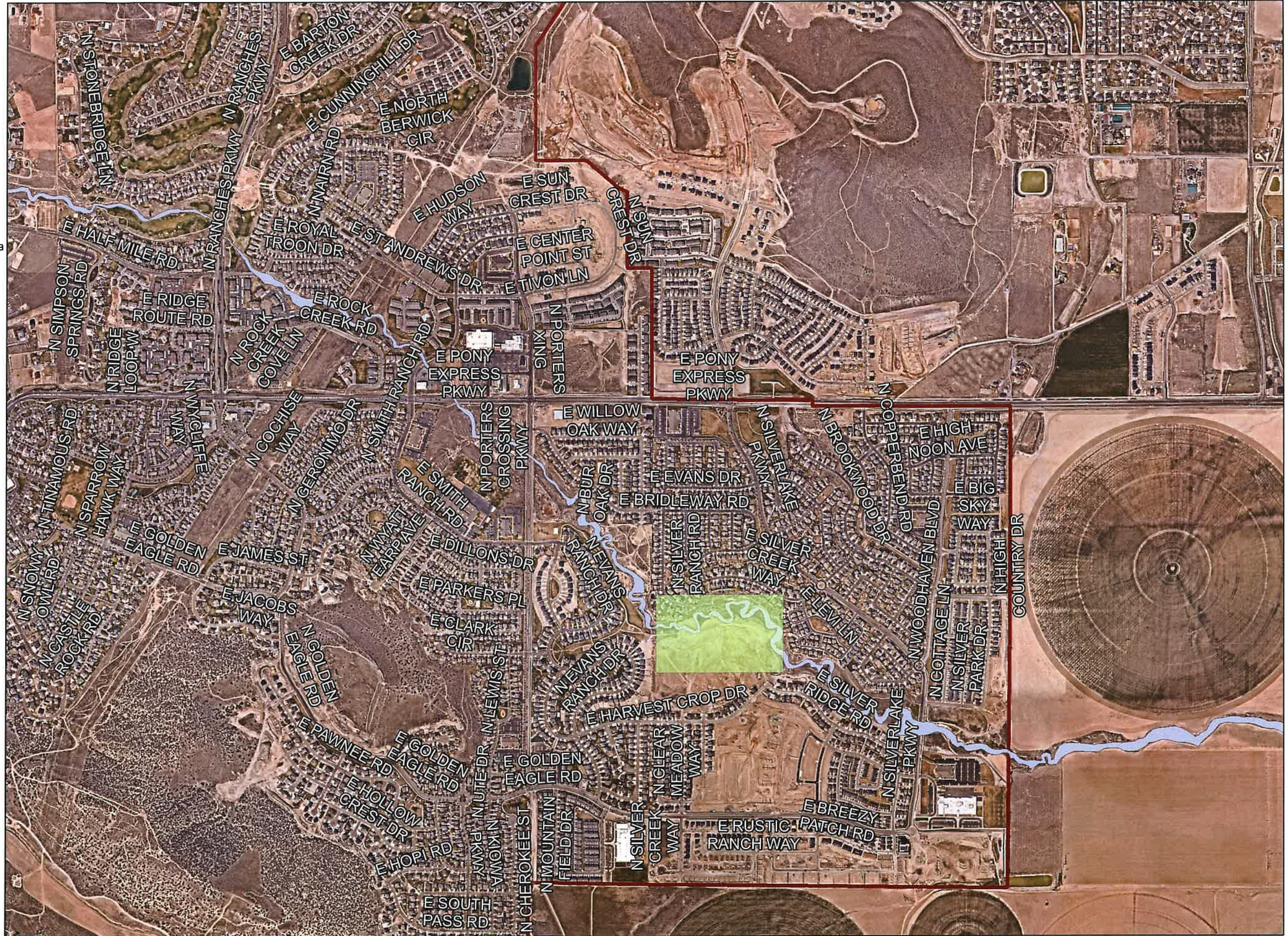


# Tickville Wash and Stream Alteration Area

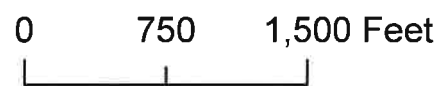


## Legend

- Tickville Wash Stream Alteration Area
- Tickville Wash
- April 2021 EMC Roads



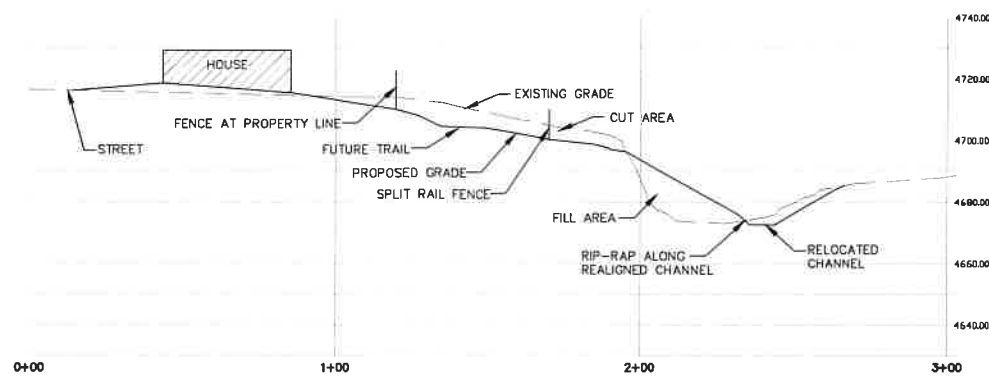
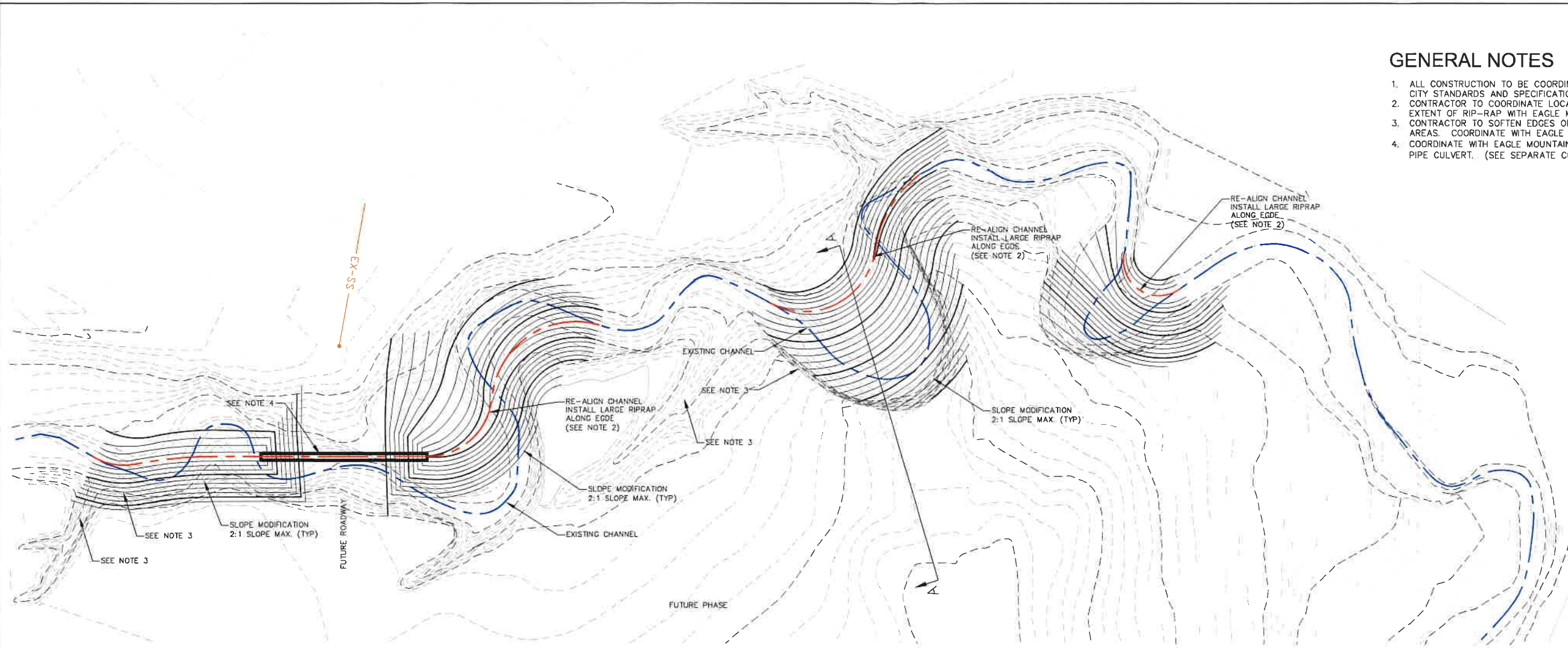
The Eagle Mountain Authority has prepared this map for informational purposes only. Eagle Mountain is not responsible for any errors or omissions. Contact Eagle Mountain City Engineering/IS Department 501-789-6662.



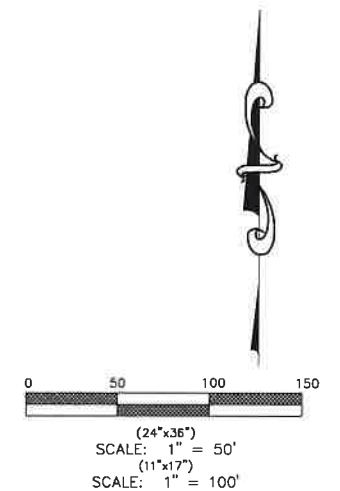


### GENERAL NOTES

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.
4. COORDINATE WITH EAGLE MOUNTAIN CITY FOR THE INSTALLATION OF 150' OF PIPE CULVERT. (SEE SEPARATE CONSTRUCTION SET FOR DESIGN OF CULVERT.



TICKVILLE SECTION A-A



REVISIONS			
NO.	DATE	DESCRIPTION	BY
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 WEST GRADING

JOB  
 SL33  
 SHEET NO.  
 1



































