

## SL COUNTY BUDGET REQUEST / ADJUSTMENT FORM

### Executive Summary

Request Item No: 460000IA01	For Fiscal Year: <b>2020</b>
Requesting Organization: 46000000 FLOOD CONTROL ENG	Date of Request: 26-Mar-20
Budget Adjust Type(s): New Revenue or Expense	Ongoing (Y or N): N
	If Yes, next year's CF impact: \$0
	Net FTE Change: 0.00

#### Description and Justification:

EFCFC200002 - Operation Sediment Ret Box: This budget adjustment is to add a new project EFCFC200002 to install a sediment retention box at the Public Works Complex in Midvale. This Project is partially being funded by a state of Utah grant and Public Works Operations will be doing the construction. They will bill Flood Control Engineering for their equipment costs and materials and their labor costs along with money they have previously paid an engineering firm for the design of the project will be used as the match for the grant.

### Fund Impact

#### SUMMARY OF FUND IMPACT BY FUND

FUND:	250 FLOOD CONTROL FUND
Fund Impact (Budgetary)	\$0
Fund Impact (Transfers)	\$0
<b>TOTAL FUND IMPACT</b>	<b>\$0</b>

#### SUMMARY OF CNTY FUNDING IMPACT BY DEPT

DEPT	REVENUE	EXPENSE	BAL SHEET	CNTY FUNDING
4600000400 FC-WATER QUALITY	25,000	25,000	0	0
<b>TOTALS</b>	<b>25,000</b>	<b>25,000</b>	<b>0</b>	<b>0</b>

### Approvals

Division Director: _____	Date: _____
Dept. or Elected Fiscal Mgr: _____	Date: _____
Dept. Dir. or Elected Official: _____	Date: _____
Facilities Division Director: (Capital Projects Only) _____	Date: _____
Chief Financial Officer: _____	Date: _____
Approve	
Mayor or Designee: _____	Date: _____
Approve	
Council Action: _____	Date: _____
Approve	

## Budget Adjustment Detail

Budget Year: 2020      \* Requesting Department: 46000000 FLOOD CONTROL ENGINEERING  
 Budget Period: Pre-June Interim      \* Req Item No: 460000IA01      \* Adjustment Title: EFCFC200002 - Operation Sediment Ret Box  
 Adjustment Type(s): New Revenue or Expense

### Expense Budget String(s):

FUND	SUB-DEPT ID	EXPENSE ACCOUNT	PROG/ACT ID (OPT)	PROJECT ID (CAP)	AMOUNT
250	4600000400	631020 NON-CAP IMPS STORM DRAIN-CNTY WD		EFCFC200002	25,000

TOTAL EXPENDITURES Page 1: \$25,000  
 TOTAL EXPENDITURES ALL PAGES: \$25,000

### Revenue Budget String(s):

FUND	SUB-DEPT ID	REVENUE ACCOUNT	PROG/ACT ID (OPT)	PROJECT ID (CAP)	AMOUNT
250	4600000400	411000 STATE GOVERNMENT GRANTS		EFCFC200002	25,000

TOTAL REVENUES Page 1: \$25,000  
 TOTAL REVENUES ALL PAGES: \$25,000

### Balance Sheet/Fund Unrestriction String(s):

☐ Bal sheet strings only required for Proprietary Fund adjustments or fund unrestricted; check if applicable.

FUND	SUB-DEPT ID	BAL. SHEET ACCOUNT	AMOUNT
		BAL_SHT or 499999	
		BAL_SHT or 499999	
		BAL_SHT or 499999	

TOTAL BALANCE SHEET CHANGE: \$0

* Ongoing (Y or N): <u>N</u> If Yes, next year's CF impact: <u>\$0</u>	No. of New FTEs: <u>0.00</u> (2) No. of New Time Limited FTEs: <u>0.00</u> (2) No. of Transferred FTEs: <u>0.00</u> (2) No. of Abolished FTEs: <u>0.00</u> (2)
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### Fund Balance Transfers:

From Fund	From Dept ID	To Fund	To Dept ID	Amount

### Description and justification: (Attach additional pages as needed.)\*

This budget adjustment is to add a new project EFCFC200002 to install a sediment retention box at the Public Works Complex in Midvale. This Project is partially being funded by a state of Utah grant and Public Works Operations will be doing the construction. They will bill Flood Control Engineering for their equipment costs and materials and their labor costs along with money they have previously paid an engineering firm for the design of the project will be used as the match for the grant.

(1) If the request is for a grant, include the dates the grant will expire and what obligations are required of the County after the grant expires.

CONTRACT SUMMARY PAGE (INTERNAL USE)

<b>Contract Number:</b> PV19136R
<b>Sold To:</b> Utah Div of Water Quality
<b>Description:</b> FCE-Interlocal- FY20 Water Quality Hardship Grant: SLCO Watershed Planning & Restoration Program PWO Maintenance Yard Improvements. State to grant \$25,000.00 for the project. Term to 06/30/2022
<b>Revenue Amount:</b> \$0.00
<b>Agency Name:</b> Engineering
<b>Start Date:</b> 2019-07-01 <b>End Date:</b> 2022-06-30



#N2012  
FY 2020 NONPOINT SOURCE GRANT AGREEMENT

WATER QUALITY HARDSHIP GRANT FUND

STATE OF UTAH

Department of Environmental Quality  
Division of Water Quality

This Grant Agreement is entered into by and between the State of Utah, Department of Environmental Quality, Division of Water Quality, Water Quality Board (hereinafter the "BOARD") and

**SALT LAKE COUNTY WATERSHED PLANNING & RESTORATION PROGRAM**

**PWO Maintenance Yard Improvements**

(hereinafter the "GRANTEE"), applicant for a Hardship Grant under the Water Quality Board provisions contained in Title 73, Chapter 10C, Utah Code Annotated (hereinafter the "Act"). Pursuant to the provisions of the Act, and the powers and functions of the Water Quality Board, the BOARD hereby finds and determines, based upon the formal application of the GRANTEE, the evidence provided by the GRANTEE to the BOARD and its staff, and information developed by the BOARD in its own investigations on the application of the GRANTEE, the following, that:

1. The GRANTEE is a political subdivision, individual, corporation, association, state or federal agency, or other private entity pursuant to Utah Code Ann. § 73-10c-4.5 (1) that intends to acquire, construct, or implement a nonpoint source project as defined in Utah Code Ann. § 73-10c-2(9);
2. The proposed project has been determined to meet nonpoint source or wastewater project grant/loan considerations;
3. The project has been determined by the BOARD to not be economically feasible unless grant assistance is provided; and
4. The GRANTEE has been authorized by the BOARD pursuant to Utah Code Ann. § 73-10c-4(7) to receive a Hardship Grant.

Based upon these findings, the BOARD is authorized and empowered to, and does hereby, enter into the following agreement with the GRANTEE.

### GENERAL PROVISIONS

1. The BOARD shall provide the GRANTEE the amount of \$25,000 ("Grant Amount") for the completion of the Project as described in the Plan of Work.
2. The agreement shall be: Effective from JULY 1, 2019 ("Effective Date") and shall Expire JUNE 30, 2022 ("Expiration Date").
3. If work on the Project is not completed by the Expiration Date, this Grant Agreement may be canceled by written notice from the BOARD to the GRANTEE. No work completed after receipt of the notice shall be reimbursable.
4. The GRANTEE shall comply with any special grant provisions identified herein.
5. The GRANTEE shall notify the BOARD in writing of any proposed modification to the Project that alters the Plan of Work and/or Grant Amount. Any such alternation must be approved in advance by the Board, and the Grant Amendment must be amended pursuant to Paragraph 10, below. If approval is not obtained prior to work being performed, the cost of the proposed modification will be disallowed.
6. The GRANTEE shall comply with all laws that normally govern its affairs in regard to contracts, fiscal procedures, and procurement procedures.
7. Within 45 days after the final grant invoice has been submitted for payment, GRANTEE shall submit to DWQ a "Final Report" for the Project prepared in accordance with DWQ's "Guidance for 319 & State NPS Grant Final Reports."
8. The GRANTEE shall indemnify and hold harmless the State of Utah, the Department of Environmental Quality and their officers, agents and employees from and against any and all loss, damage, injury, liability, and claims, including claims for personal injury or death, damages to personal property and liens of workmen and material men, howsoever caused, resulting directly or indirectly from the performance of this Grant Agreement by the GRANTEE, including attorneys fees and costs in the investigation or defense of any claim, whether or not the claim has merit.
9. The GRANTEE shall be an independent contractor, and, as such, shall have no authorization, express or implied, to bind the State of Utah, the Department of Environmental Quality, the Division of Water Quality or the Water Quality Board to any agreement, settlement, liability, or understanding whatsoever, nor to perform any acts as agent for the State of Utah, except as herein expressly set forth.
10. GRANTEE expenditures under this Grant Agreement determined by audit to be ineligible for reimbursement because they were not authorized by the terms and conditions of the grant, or that are inadequately documented, and for which payment has been made to the GRANTEE will be immediately refunded to the BOARD by the GRANTEE. The

GRANTEE further agrees that the BOARD shall have the right to withhold any or all subsequent payments under this Grant Agreement or other contracts to GRANTEE until recoupment of overpayment is made.

11. This Grant Agreement may be altered, modified, or supplemented only by written amendment, executed by the parties hereto, and attached to the original signed copy of this agreement. The BOARD will allow no claim for services furnished by the GRANTEE not specifically authorized by this Grant Agreement.
12. If it is determined that in any manner this Grant Agreement was improperly made or entered into, or if the monies are or were used improperly or contrary to the terms of this agreement, the GRANTEE shall pay to the BOARD the amount of all monies and benefits received by the GRANTEE by the BOARD.
13. When the GRANTEE is the Utah Department of Environmental Quality, paragraphs 8 and 9 of the General Provisions of this agreement shall not apply and will not be considered part of this Grant Agreement. When the GRANTEE is an agency of the State of Utah other than the Utah Department of Environmental Quality, the references to the State of Utah in paragraphs 8 and 9 of the General Provisions shall be considered to mean only the Utah Department of Environmental Quality, the Division of Water Quality, and the BOARD.

## PLAN OF WORK / DESCRIPTION OF PROJECT

Applicant Name: Salt Lake County Watershed Planning and Restoration Program

☐ Individual ☐ Non-Profit ☒ Govt. Agency ☐ Academic ☐ Commercial ☐ Other

Co-Applicant Name (if applicable):

☐ Individual ☐ Non-Profit ☐ Govt. Agency ☐ Academic ☐ Commercial ☐ Other

Business Name (if applicable): Salt Lake County Watershed Planning and Restoration

Mailing Address: 2001 S State St N-3120

City: Salt Lake City State: UT Zip: 84190

Phone: 385 -468 -6642 E-mail: rthompson@slco.org

Project Title: PWO Maintenance Yard Improvements

Location of NPS Project with location map (see Appendix 1: Site Map): This project will be located at approximately 604 W 6960 S, Midvale, UT 84047

1. Grant Purpose (please check all applicable):

☒ Water Quality Improvement ☒ TMDL Implementation ☐ Disaster Mitigation  
☐ Manure Management ☐ Education/Outreach ☐ Pollution Study  
☐ Project Monitoring ☐ On-Site Wastewater ☐ Other

2. Utah NPS Grant Funding Request:

Labor	\$ _____
Materials	\$ <u>15,000</u>
Equipment	\$ <u>10,000</u>
Administration	\$ _____
Miscellaneous	\$ _____

**TOTAL NPS Funding Requested** \$ 25,000



3. Other Funding Sources being used (EQIP, GIP, WRI, Local, In-kind labor, or other):

**Total Amount of matching funding: \$38,968**

**Total Project Cost (Requested + Matching Funds): \$ 63,968**

4. Estimated time frame of the project: From 8/2019 To 10/2019

5. Describe the scope of the project:

The Salt Lake County Watershed and Salt Lake County Operations teams plan to install a stormwater BMP at the Midvale Operations yard. Salt Lake County has been anticipating the new UPDES permit and is attempting to implement new BMP's to meet compliance standards of the permit. Numerous locations for BMP's have been identified and Salt Lake County has taken proactive steps for implementation such as hiring design consultants to create construction ready plans for implementation.

One such location is the Midvale Operations yard. The County has prepared, with PEC Consultants, construction ready plans for the construction of a triple basin sediment and flotables retention basin/oil water separator. This basin will catch sediment coming from the yard and also catch leaf litter and trash keeping those pollutants of concern from entering the Jordan River. The County is in an excellent position to maintain the structure as it resides in the yard where all County maintenance equipment is stored.

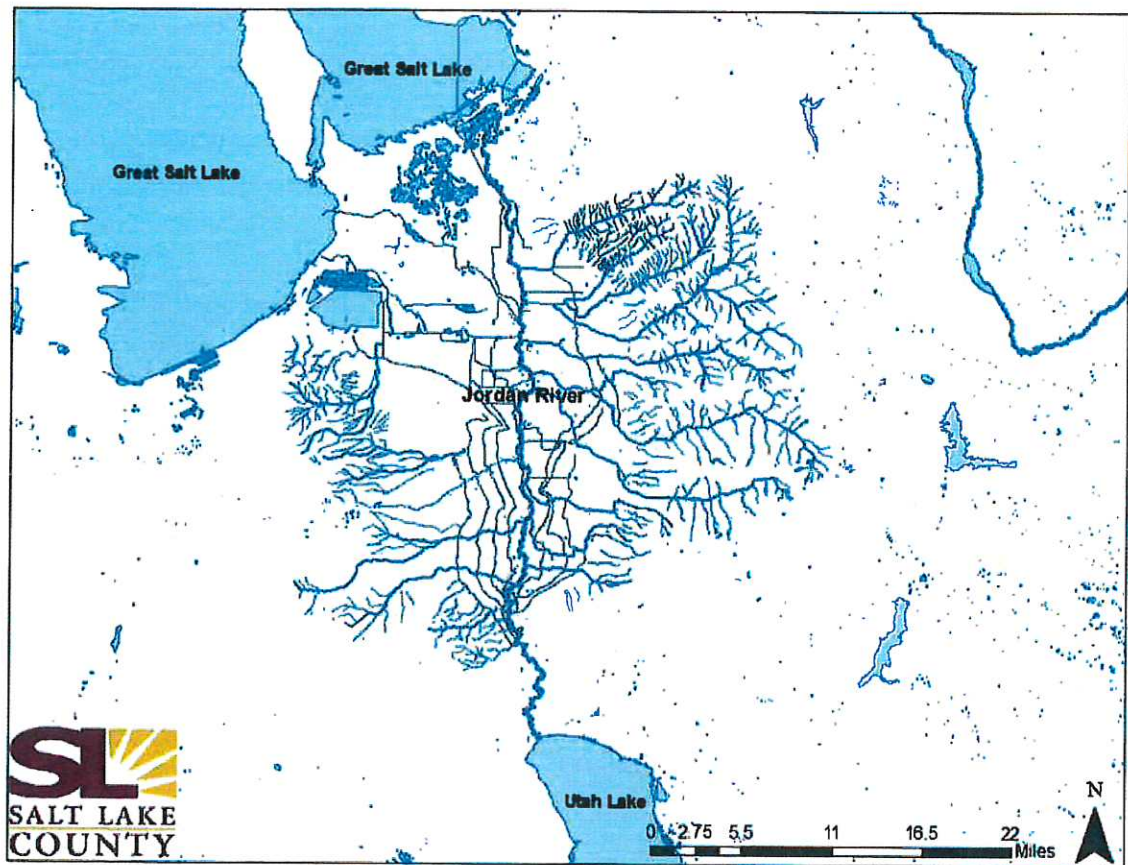
6. Describe the waterbody affected by the project including 12 digit watershed (HUC), and identify any existing watershed plans or TMDLs that the project will help implement:

The waterbody affected is the Jordan River (USGS Hydrologic Unit Codes 16020204). The Jordan River is a 4<sup>th</sup> order stream originating from Utah Lake, a shallow playa formed during the early Cenozoic era from seismic downward block faulting. The Jordan River meanders approximately 58 miles from Utah Lake through the Utah Valley, Jordan Narrows and Salt Lake Valley, before draining into the Great Salt Lake (Map 1). The Jordan River is approximately 44 miles in length through Salt Lake County. The release of water from Utah Lake to the Jordan River is managed for water supply (irrigation water rights) and flood control purposes. In addition to Utah Lake inflow, the Jordan River receives water from Wasatch and Oquirrh mountain tributary streams, two major water treatment plants, and irrigation diversions. The Jordan River is listed for beneficial uses including 2B, 3A, 3B and 4. These segments are protected for: 2B (Protected for secondary contact recreation such as boating, wading, or similar uses), 3A (Protected for cold-water species of game fish and other cold water aquatic life, including the necessary aquatic organisms in their food chain), 3B (Protected for warm water species of game fish

and other warm water aquatic life, including the necessary aquatic organisms in their food chain), and 4 (Protected for agricultural uses including irrigation of crops and stock watering) waters.

This project will help to materialize one of the 15 priority implementation strategies of the 2009 Salt Lake County Water Quality Stewardship Plan; Stream Restoration and maintenance, and directly address one (and indirectly address another) of the three pollutants of concern identified in the Jordan River TMDL. Specifically, sediment loads will be reduced by 95% in this reach and dissolved oxygen impairments downstream should be reduced by the sediment load reduction, increased river shading and habitat improvement.

MAP 1: Jordan River in Salt Lake County



7. Describe the purpose and need for the project:

Historically, the Jordan River had a substantial meander corridor with marshes, oxbows, sloughs and ponds. These features allowed organics and sediment to be retained in a large surface area creating habitat for the entire riparian community. Through the process of development and urbanization the river has become channelized, flow regulated and a highly developed urban waterway.

Resultant of these changes and outlined in the Jordan River TMDL, the river suffers from excessive sediment from eroding banks and urban sources, organic matter burial in the sediment and resulting dissolved oxygen loss and bacterial contamination.

To meet water quality standards the river needs additional treatment facilities to retain sediment and organics from urban sources to mimic the natural treatment processes that formerly existed in the meandering river system.

This project aims to provide an additional retention system for both sediment and organic matter to keep these pollutants of concern from entering an already impaired waterbody.

8. Describe the surface or groundwater problem to be addressed by the project:

The Jordan River, as described in the Jordan River TMDL, suffers from excessive sediment, organic matter burial in the sediment and resulting dissolved oxygen loss and bacterial contamination. This project attempts to directly address the sedimentation problem through retention of sediment in a triple basin sedimentation structure and floatables (organics) with an oil/water separator.

This project should indirectly influence dissolved oxygen through the reduction of these pollutants into the Jordan River.

9. Describe the water quality benefits/load reductions to be realized by the project:

This project will retain approximately 12,480 lbs of sediment and 6,240 lbs of organic matter and trash, annually, from entering the Jordan River.

10. Do you currently have project plans and specifications? ☒ Yes ☐ No

11. List consultants or agency partners that have participated, or will participate in project development:

PEC Consulting Engineers	286W 9000 S West Jordan, UT 84088	801.495.4240
Name/Company	Address	Phone

_____	_____	_____
Name/Company	Address	Phone

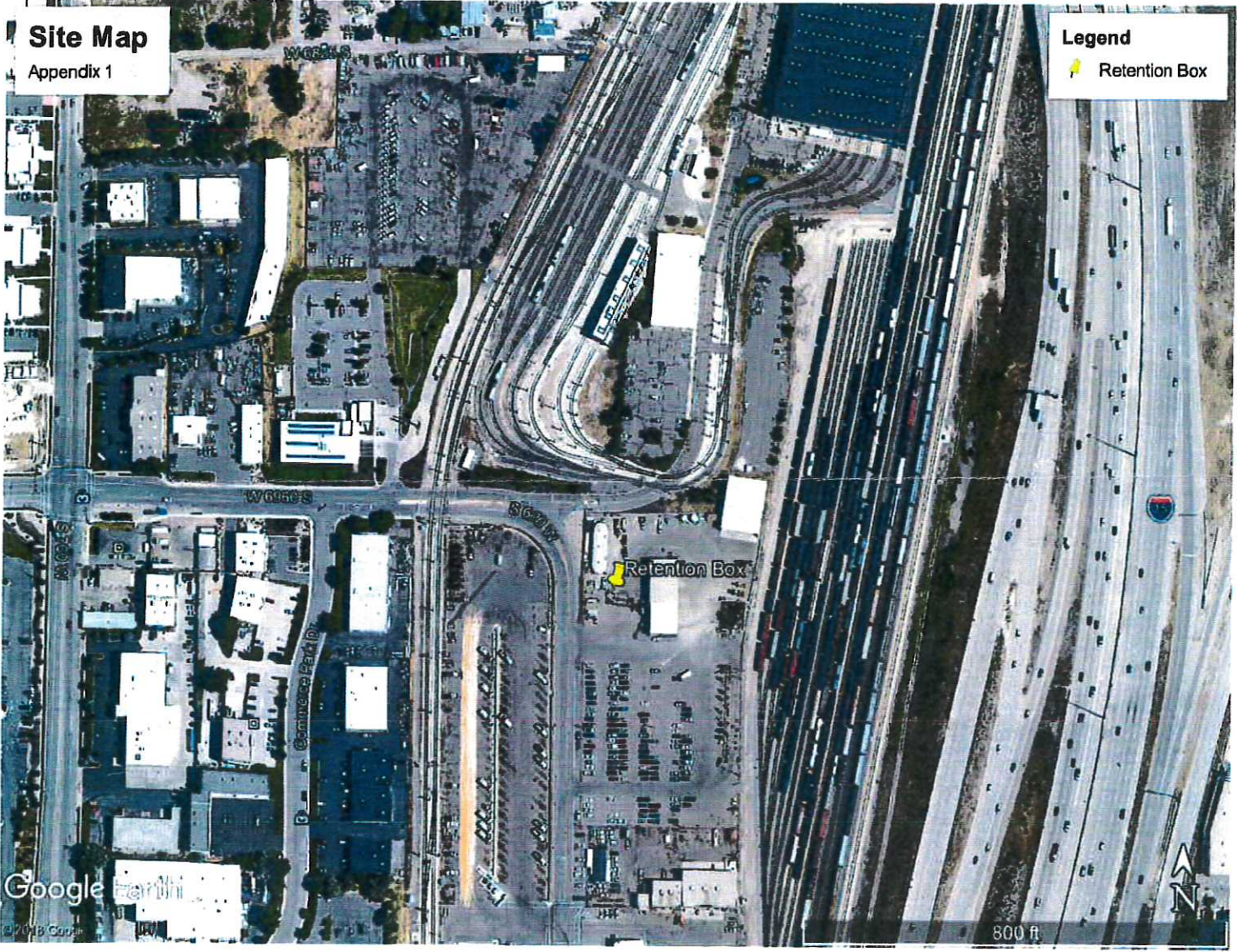
I am willing to: (1) comply with all applicable laws and work with designated technical personnel as assigned to the above-referenced project in preparation of project implementation; (2) submit detailed project information to the Utah Division of Water Quality as requested to evaluate water quality improvements; (3) not to apply any practices which would tend to defeat the purpose of the project; and (4) allow continued monitoring and evaluation of the project activities implemented on my property.

Signature		Digitally signed by Kade Moncur
		Date: 2019.04.12 07:25:12 -06'00'
	Applicant	Date 04/12/2019

Signature	_____	Date	_____
	Co-Applicant (if applicable)		

.....





**Site Map**  
Appendix 1

**Legend**

 Retention Box


EXECUTION

NOW, THEREFORE, by virtue of the authority contained in Title 73, Chapter 10, Utah Code Annotated, the parties hereto mutually agree to perform this Grant Agreement.

IN WITNESS WHEREOF, the parties sign and cause this Grant Agreement to be executed. By signing this Grant Agreement, each party represents that the person executing this Grant Agreement has been duly authorized to do so.


GRANTEE

SALT LAKE COUNTY  
2001 SOUTH STATE ST, N-3130  
SALT LAKE CITY, UT 84190


By:   
\_\_\_\_\_  
Mayor or Designee  
Salt Lake County

STATE

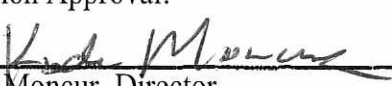
APPROVED - UTAH WATER QUALITY BOARD

By:   
\_\_\_\_\_  
Jodi Gardberg, Manager  
Watershed Protection Section

Departmental Approval:

By:   
\_\_\_\_\_  
Scott Baird, Director  
Salt Lake County Public Works

Division Approval:

By:   
\_\_\_\_\_  
Kade Moncur, Director  
Engineering Division

Approval as to form:

Ryan Lambert

Digitally signed by Ryan Lambert  
DN: dc=org, dc=slickcounty, ou=Departments,  
ou=District Attorney, ou=Users, ou=MAIN, cn=Ryan  
Lambert, email=R.Lambert@slco.org  
Date: 2019.08.14 15:43:01 -0600







State of Utah

GARY R. HERBERT  
*Governor*

SPENCER J. COX  
*Lieutenant Governor*

Department of  
Environmental Quality

L. Scott Baird  
*Executive Director*

DIVISION OF WATER QUALITY  
Erica Brown Gaddis, PhD  
*Director*

RECEIVED

mm  
OCT 03 2019

ENGINEERING DIVISION  
SALT LAKE COUNTY  
DEPT. OF PUBLIC WORKS

October 1, 2019

Robert B Thompson, P.G. Watershed Section Manager  
Salt Lake County  
2001 South State Street N-3100  
Salt Lake City, UT 84190

Mr. Baird:

Subject: Salt Lake County-Watershed Planning and Restoration  
PWO Maintenance Yard Improvements Project (N2012)  
FY20 Executed Copy of Utah Nonpoint Source Grant

Please find enclosed the fully executed copy of FY20 Nonpoint Source Grant Agreement awarded to Salt Lake County. Invoices for expenditures may be submitted to:

Utah Division of Water Quality  
Attn: Marsha Case  
PO Box 144870  
Salt Lake City, Utah 84114-4870

If you have any questions or concerns regarding this grant, please feel free to call me at 801-536-4315.

Sincerely,

*Marsha Case*

Marsha Case  
Contract/Grant Analyst

Enclosure: Executed Grant Agreement

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FILE: FY20 NPS Salt Lake County-PWO Maintenance Yard Improvements (#N2012)

