Ivins City Staff Report
City Council Meeting 1/18/2018

Agenda Item: Discussion and Approval of expenditure for Cliff Rose Tank Landscaping

Submitted by: Thomas J. Jorgensen, P.E., Assistant Public Works Director

Recommended City Council Action:
Discuss and Approve expenditure for Cliff Rose Tank Landscaping for $42,525.00 plus an additional $4,500.00 for contingency, for a total of $47,025.00

BACKGROUND:
As part of the agreement with Terry Marten for purchasing the land that the existing tanks are located, Ivins City agreed to install landscaping that included planting an additional 53 trees and installing an irrigation system to irrigate both the new trees and the existing, approximately 76, trees. The intent of the trees is to further screen the tank site from view. An exhibit of the landscape plan has been attached.

Staff has been working on obtaining quotes from several local landscaping companies to do the work. After several months and multiple attempts to obtain quotes, Staff was able to obtain one bid. The quote has been attached to this staff report for reference.

FINDINGS AND ANALYSIS:
The following quote was received for the landscaping of the tank site.

	Total
GOT SOD?	$42,525.00

Staff has reviewed the quote and recommend that council approve the expenditures for a total of $42,525.00 plus an additional $4,500.00 in contingency for a total of $47,025.00.

SUPPORT MATERIALS:
- Landscaping Plan Exhibit
- Fencing Quotes

FINANCIAL IMPACT:
GL 51-42-877: $47,025.00 - all expenses are impact fee eligible

Respectfully Submitted:

Thomas J. Jorgensen, P.E., Assistant Public Works Director

Content Review:

Dale Coulam, City Manager

Got Sod?

INVOICE/ESTIMATE

3192 Red Rock Rd.
Santa Clara, UT 84765
(435) 862-4610

DATE: July 12, 2017
INVOICE #
CUSTOMER/LOCATION:

Bill To:
Ivins Cliff Rose Tank/Landscape Project
Attn: Tom Jorgensen

Email:

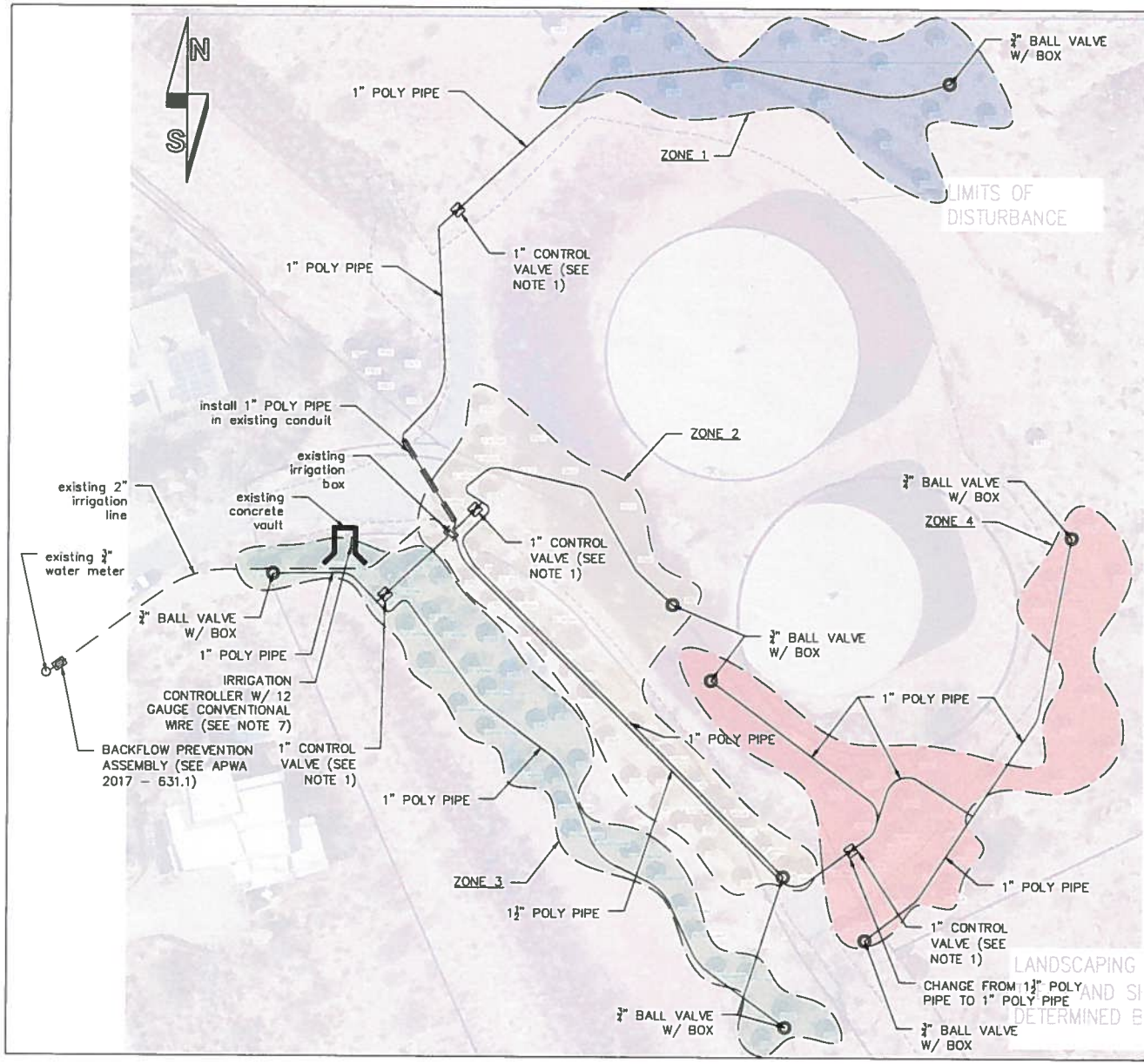
Customer Signature:_____

DESCRIPTION	AMOUNT
Install 1" backflow according to city of Ivins specification plans.	
Install 265 linear feet of 1 1/2" poly pipe. Which will include trenching, backfilling and fittings.	
Install 1,658 linear feet of 1" poly pipe. Which will include trenching, backfilling and fittings.	
Install 8 3/4" ball valves with 10" round valve boxes.	
Install 4 1" control valves, which includes filter, ball valves, fittings, valve box and pressure reducer.	
Install irrigation controller with 12-gage wire.	
Install 288 2-gallon emitters for trees. Each tree will have 4 emitters with emitter stakes.	
Install 27 24" Box Multi Desert Rose.	
Install 13 24" Box Arizona Ash Trees.	
Install 13 24" Box Cotton Wood Trees.	
All standard trees will need tree stakes and will use 4 yards of rich soil to put in all trees.	
PARTS AND LABOR: $42,525.00	
TOTAL	**$42,525.00**

Make all checks payable to GOT SOD?
If you have any questions concerning this invoice, please contact:

Brian Hatch
(435) 862-4610
hatch@webcomet.com
hatch9964@gmail.com

THANK YOU FOR YOUR BUSINESS!



NOTES:

1. A 1" OR ¾" BALL VALVE SHALL BE PLACED UPSTREAM FROM THE DRIP VALVE ASSEMBLY (FILTER, VALVE, PRESSURE REDUCER). THE ENTIRE ASSEMBLY, INCLUDING THE BALL VALVE SHALL BE HOUSED IN A JUMBO SIZE VALVE BOX. JUMBO BOX IS 25"X19"X12".

DRIP FILTER–NETAFIM DISC OR AMIAD SCREEN FILTER
PRESSURE REDUCER–SENIGER 30 PSI PRESSURE REDUCER
WIRE–12 GAUGE CONVENTIONAL WIRE
BALL VALVES–BRASS OR SCHEDULE 80 PVC BALL VALVE

2. VALVE BOXES SHALL BE LEVEL AND INSTALLED ONE INCH ABOVE FINISHED GRADE.

3. ANYTHING REQUIRING A VALVE BOX, INCLUDING WIRE SPLICES, SHALL BE HOUSED IN NOTHING SMALLER THAN A STANDARD SIZE RECTANGLE BOX (21"X16"X12").

4. DRIP EMITTERS: EACH TREE SHALL HAVE FOUR 2GPH EMITTERS SPACED EVENLY AROUND AND 12" AWAY FROM TRUNK. SEE NOTE 8 FOR AN ESTIMATED NUMBER OF DRIP EMITTERS REQUIRED FOR NEW AND EXISTING TREES.

5. DRIP EMITTERS SHALL BE HELD IN PLACE BY A STAKE. EMITTERS SHALL BE INSTALLED AT THE END OF THE ¼" TUBING AT THE TREE, AND SHALL BE VISIBLE, HAVING BEEN PLACED ONE INCH ABOVE FINISHED GRADE. SHOULD THE TREE BE INSTALLED ON A SLOPE, A DEPRESSION SHOULD BE ESTABLISHED AND EMITTER SHALL BE INSTALLED WITHIN DEPRESSION.

6. DRIP EMITTERS SHALL BE PRESSURE COMPENSATING DRIP EMITTERS (RAINBIRD).

7. INSTALL RAINBIRD ESP–LXME CONTROLLER WITH IQ NCC NETWORK ETHERNET COMMUNICATION CARTRIDGE. CONTRACTOR MUST FOLLOW RAINBIRD INSTALL SPECIFICATIONS IN–ORDER TO BE COVERED BY MANUFACTURES WARRANTY. ALSO INCLUDED IN THIS ITEM IS THE DIRECT BURY WIRE NECESSARY TO CONNECT THE CONTROLLER TO THE 1" CONTROL VALVES. THE WIRE SHALL BE 12 GAUGE CONVENTIONAL WIRE.

8. REFER TO THE FOLLOWING CHART FOR THE NUMBER OF NEW TREES TO BE INSTALLED IN EACH ZONE AND THE NUMBER OF NEW TREES IN EACH ZONE THAT WILL NEED TO HAVE DRIP EMITTERS TAKEN TO THEM.

ADDITIONALLY, REFER TO THE CHART BELOW FOR AN ESTIMATE FOR THE NUMBER OF EXISTING TREES IN EACH ZONE THAT WILL NEED TO HAVE DRIP EMITTERS TAKEN TO THEM.

IT SHOULD BE NOTED THAT THE DISTANCE FROM EACH TREE'S EMITTERS TO THE MAINLINE VARIES.

ZONE	EXISTING	NEW
1	0	18
2	22	21
3	34	3
4	20	11
TOTAL	76	53

9. BACKFLOW PREVENTION ASSEMBLY SHALL INCLUDE ALL ITEMS LISTED IN THE 2017 APWA SPEC 631.1, INCLUDING, BUT NOT LIMITED TO THE FOLLOWING ITEMS; ENCLOSURE, CONCRETE FOUNDATION, SLEEVES, PIPING, BASE COURSE, COUPLINGS, STOP AND WASTE, SHUT–OFF VALVES, BACKFLOW PREVENTER DEVICE, PRESSURE REDUCING VALVE, BRASS NIPPLES, ETC.
BACKFLOW PREVENTER/DOUBLE CHECK VALVE–WILKINS 975 XTL–75

IVINS CITY

IVINS CITY
55 N. Main Street
Ivins, Utah 84738
435-634-0689
435-674-5486 (fax)

SCALE

PAPER UNITS	DRAWING UNITS
1"	50'
0.5"	25'
0.25"	12.5'
0	0

CLIFF ROSE TANK PROJECT

LANDSCAPE PLAN

DATE 5/25/2017
DRAWN BY TJJ
CHECKED BY CRG

SHEET NO.
1
TOTAL SHEETS 1