Ivins City Staff Report
City Council Meeting 10/16/2014

Agenda Item: Approve expenditure and award of Contract 14-07 Central Ivins Storm Drain Outfall Repair

Submitted by: Charles R. Gillette, P.E., City Engineer

Recommended City Council Action:
Approve expenditure of $85,000 and award of Contract No. 14-07 Central Ivins Storm Drain Outfall Repair

BACKGROUND:

This outfall was originally damaged after the storm in September 2012. The city has received assistance from NRCS to repair the outfall and grout the rock armoring so that there is a lower risk of problems in the future. Attached is the proposed design that was recently finalized with the NRCS and cleared for construction.

FINDINGS AND ANALYSIS:

The apparent low bid was submitted by JP Excavating for a total bid price of $69,126. The City received four bids ranging up to as high as $125,834 as shown in the attached bid tabulation. Staff is requesting that the City Council approve an expenditure of up to $90,000. This provides a $20,000 cushion. The quantity estimates were based on approximate measurements and assumed properties of the rip rap. There is a concern that the final construction cost could be higher based on overruns of quantities.

SUPPORT MATERIALS:

- Design Drawings
- Bid Tabulation

FINANCIAL IMPACT:

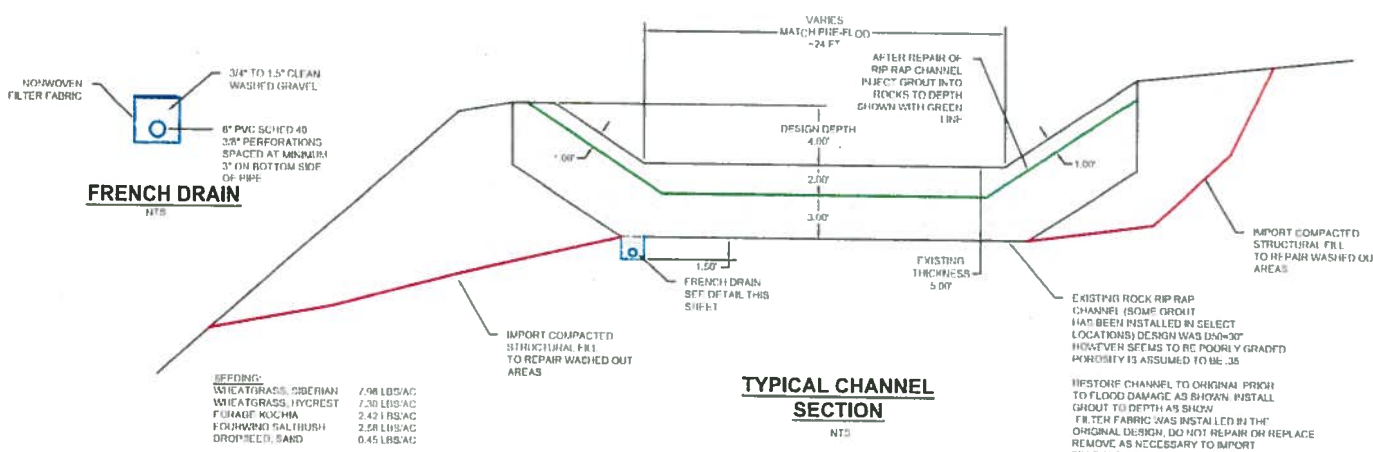
The project has received funding from NRCS from their Emergency Watershed Protection program. This provides 65% funding of the project. City pays a 35% match.
G/L53-42-877: $90,000 (actual impact to City is $31,500)

Respectfully Submitted:

Charles R. Gillette, P.E., City Engineer

Content Review:

Dale Coulam, City Manager

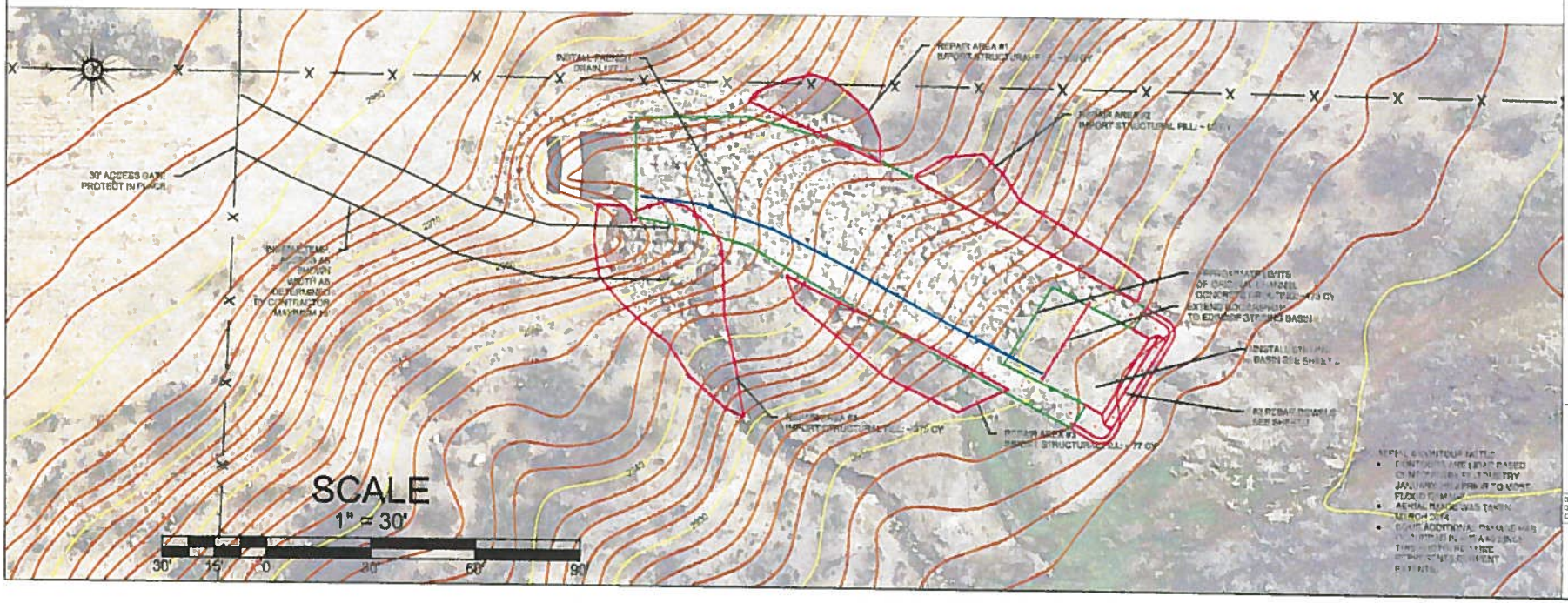


SEEDING:

WHEATGRASS, SIBERIAN	7.98 LBS/AC
WHEATGRASS, HYCREST	7.30 LBS/AC
FORAGE KOCHIA	2.42 LBS/AC
FOURWING SALTBUSH	2.58 LBS/AC
DROPSEED, SAND	0.45 LBS/AC

CONSTRUCTION NOTES:

1. CONTRACTOR SHALL MINIMIZE DISTURBANCE BY KEEPING ALL EQUIPMENT WITHIN THE ACCESS ROAD AS SHOWN OR IN THE CHANNEL UNLESS THIS IS IMPOSSIBLE TO MAKE THE REPAIRS.
2. CONTRACTOR RESPONSIBLE FOR ALL SURVEY.
3. CONTRACTOR RESPONSIBLE FOR ALL TESTING.
4. CONTRACTOR SHALL RESEED ALL DISTURBED AREAS WITH AN APPROVED SEED MIX.
5. IT MAY BE NECESSARY TO IMPORT ADDITIONAL ROCK FOR CHANNEL FOR COMPLETE RESTORATION. SEE BID SHEET FOR A PLAN QUANTITY TO BE BILLED AT A UNIT PRICE.
6. STRUCTURAL FILL IS DEFINED AS A BORROW MATERIAL PER APWA SPECIFICATION 31 05 1. SOME NATIVE MATERIALS MAY CLASSIFY AS STRUCTURAL FILL.
7. THE CONTRACTOR IS REQUIRED TO SALVAGE AS MUCH EXISTING ROCK AS REASONABLE BEFORE IMPORTING NEW ROCK.
8. ANY NEW ROCK IMPORTED SHOULD BE OF SIMILAR COLOR AND DURABILITY MEETING THE REQUIREMENTS OF APWA SECTION 31 37 00. SAMPLE MUST BE PROVIDED PRIOR TO SELECTION OF ROCK SOURCE.
9. USE PORTLAND CEMENT GROUT THAT IS IN ACCORDANCE WITH APWA SECTION 03 61 00.



IVINS CITY
55 N. Main Street
Ivins, Utah 84738
435-634-0988
435-674-5486 (fax)

CONTRACT 14-xx: CENTRAL IVINS STORM DRAIN OUTFALL REPAIR

RESTORATION AND MITIGATION PLAN

DATE: 9/5/2014
DRAWN BY: CRG
CHECKED BY: CRG

SHEET NO
2
TOTAL SHEETS 3

Ivins City
Contract 14-07 Central Ivins Storm Drain Outfall Repair

Item	Description	Quantity	Unit	Unit Price	Engineers Estimate Price	JP Excavating Unit Price	JP Excavating Price	Sunroc Unit Price	Sunroc Price	PCI Unit Price	PCI Price	Desert Hills Construction Unit Price	Desert Hills Construction Price
1	Mobilization, Survey and Site Access Construction	1	LS	$15,000	$15,000.00	$6,000.00	$6,000.00	$8,700.00	$8,700.00	$9,000.00	$9,000.00	$3,110.00	$3,110.00
2	Import compacted structural fill and restore repair areas	662	CY	$6.50	$4,303.00	$20.00	$13,240.00	$24.50	$16,219.00	$27.84	$18,430.08	$46.00	$30,452.00
3	Install 6" HDPE perforated pipe and 18" wide pea gravel trench wrapped with filter fabric	127	LF	$12	$1,524.00	$18.00	$2,286.00	$47.25	$6,000.75	$22.00	$2,794.00	$96.00	$12,192.00
4	Reposition rock rip rap as necessary to repair erosion areas, install 6" drain pipe, and restore rock rip rap channel outfall.	1	LS	$10,000	$10,000.00	$3,000.00	$3,000.00	$12,900.00	$12,900.00	$23,000.00	$23,000.00	$13,755.00	$13,755.00
5	#8 vertical reinforcing bars	12	EA	$400	$4,800.00	$200.00	$2,400.00	$245.00	$2,940.00	$580.00	$6,960.00	$200.00	$2,400.00
6	Import rock rip rap as necessary if needed, d50 = 30"	145	CY	$50	$7,250.00	$50.00	$7,250.00	$54.50	$7,902.50	$46.40	$6,728.00	$55.00	$7,975.00
7	Grout rock rip rap as shown in typical detail	210	CY	$175	$36,750.00	$160.00	$33,600.00	$128.00	$26,880.00	$250.00	$52,500.00	$245.00	$51,450.00
8	Excavate mudstone bedrock for stilling basin	45	CY	$75	$3,375.00	$30.00	$1,350.00	$29.00	$1,305.00	$16.00	$720.00	$100.00	$4,500.00
				Subtotal:	$83,002.00		**$69,126.00**		**$82,847.25**		**$120,132.08**		**$125,834.00**
				15% Contingency:	$12,450.30								
				Total:	$95,452.30								