Ivins City Staff Report
City Council Meeting 8/4/2022

Agenda Item: Approval of expenditure for storm drain improvements along Park Avenue Way.

Submitted by: Thomas J. Jorgensen, P.E., Assistant City Engineer

Recommended City Council Action:
Approve expenditure of $49,724.13 for storm drain improvements along Park Avenue Way.

BACKGROUND:
Staff has identified the need for installing an underground storm drain system along Park Avenue Way from Center Street up to 200 North. Significant overland flows travel down Park Avenue Way and overwhelm the inlets located at Center Street, which causes significate ponding to occur that extends out into Center Street. The intent of the storm drain system is collect that storm as it travels down Park Avenue Way, increasing the number of inlets, and thus decreasing the reliance on the inlets at Center Street and reducing the risk of ponding at Center Street.

Vista School, as part of their addition project, needed to reconfigure their entrance along Park Avenue Way and install 300 lineal feet of asphalt, curb, gutter, and sidewalk improvement on the west side of Park Avenue Way. With future plans to install a storm drain system in this area, staff decided to install storm drain across the entrance and up along the 300 feet of improvements. By installing the storm drain now the City will save having to remove and replace curb, gutter, asphalt, and sidewalk when these storm drain improvements get installed along Park Avenue Way.

FINDINGS AND ANALYSIS:
The contractor, Competitive Excavation, doing the site improvements for Vista School expansion provided an estimate that staff reviewed and decided was a reasonable price for the improvements.

The estimate came out to be $49,724.13, which included three inlets and approximately 345 feet of 24" piping. Staff is recommending that Council approve this expenditure.

SUPPORT MATERIALS:
Estimate

FINANCIAL IMPACT:
10-60-525: $24,862.06 (50%)
53-42-879: $24,862.07 (50%)

Respectfully Submitted:

Thomas J. Jorgensen, P.E., Assistant City Engineer

Content Review:

Dale Coulam, City Manager

Competitive Excavation Inc

475 S Donlee Drive
St George, UT 84770
(435) 691-4796

To:	Hughes GC	**Contact:**	Bids
Address:	62 West Industrial Road	**Phone:**	(435) 628-0047
	Washington, Utah 84790	**Fax:**	(435) 628-0328
Project Name:	Vista School Park Avenue Improvements	**Bid Number:**	
Project Location:	North Park Avenue Way, Ivins, UT	**Bid Date:**	6/9/2022
Addendum #:	06/06/22 Plan Set		

This is a BUDGETARY estimate based on the 06/06/22 unapproved plan set. The Scale is wrong on sheet C3.2 of the 5/17/22 plan. This includes the additional sidewalk along the new turn lane. This includes an option for the HA5 because it was unclear if that was to be included or not. Striping for STA 3+00-7+50 is included in Base Bid. This estimate assumes using the24" storm drain pipe and curb inlets from Carpets Plus for this site. This estimate includes an assumed credit to Carpets Plus to use the materials from that site. It will save the Vista site ~$8500 to use the pipe from Carpets Plus site. This estimate does NOT cover utility flow line conflicts but has a budget option for looping the water line. See notes and item descriptions for assumptions and exclusions.

Item #	Item Description	Estimated Quantity	Unit	Unit Price	Total Price
Demolition					
	Mobilization	1.00	LS	$5,261.34	$5,261.34
	Traffic Control-Assumes Existing Road Is Wide Enough To Remain Open-Assumes Using Cones, Road Work Signs-No Flagging.	1.00	LS	$15,033.14	$15,033.14
	SWPPP Installation And Maintenance-Assumes 50 Hrs Of Street Sweeping, 15 Inspections, 16 Waddles	1.00	LS	$15,871.55	$15,871.55
	Grub and Clear	0.70	ACRE	$1,949.31	$1,364.52
	Saw Cut/Remove Existing Asphalt	825.00	SF	$3.53	$2,912.25
	Saw Cut/Remove Existing Edge Of Asphalt	800.00	SF	$4.02	$3,216.00
	Saw Cut/Remove Existing Sidewalk, Curb And Cross Gutter -Haul To Reuse Pit-Assumes 1 Load Of Dump Fees.	1,600.00	SF	$4.22	$6,752.00
	Total Price for above Demolition Items:				**$50,410.80**
Earthwork					
	Cut and Export	1,347.00	CY	$11.07	$14,911.29
	Cut and Fill	1.00	LS	$3,974.82	$3,974.82
	Over Roadway 1.5', Per Geotech Report	1.00	LS	$6,317.81	$6,317.81
	Scarify and Compact	29,356.00	SF	$0.22	$6,458.32
	Site Grading	29,356.00	SF	$0.41	$12,035.96
	Total Price for above Earthwork Items:				**$43,698.20**
Paving And Concrete					
	3" Asphalt W/6" Road Base And Fine Grade-No Striping Park Avenue And Vista Entrance-Includes 2' Cut Back On EOA.	6,050.00	SF	$4.34	$26,257.00
	5' ROW 4" Sidewalk W/4" Base-West Side Of Park Ave	1,900.00	SF	$8.55	$16,245.00
	6" Sidewalk-South Side Of Entrance Connecting To Trail	450.00	SF	$13.15	$5,917.50
	Cross Gutter	345.00	SF	$17.95	$6,192.75
	Handicap Ramps	2.00	EACH	$1,964.77	$3,929.54
	HB30 Curb Straight Run Slip Form	290.00	LF	$50.70	$14,703.00
	HB30 Curb Radius And Culdesac Curve Hand Formed	95.00	LF	$54.92	$5,217.40
	Striping Removal And Installation North Of The Vista Entrance/Inside Construction Limits	1.00	LS	$1,481.54	$1,481.54

			Total Price for above Paving And Concrete Items:		**$79,943.73**

Storm Drain

	Expose Existing Utility	2.00	EACH	$644.97	$1,289.94
Ivins City portion $46,805.67	24" End Flare	1.00	EACH	$991.80	$991.80
	24" Storm Drain From CP Project	345.00	LF	$95.13	$32,819.85
	Single Curb Inlets-Using Inlets From CP	2.00	EACH	$4,620.28	$9,240.56
	Modifications Of CP Basins To Match This Site	2.00	EACH	$1,876.73	$3,753.46
	Rip/Rap Drainage Inlet With 18" Of Rock And Fabric	150.00	SF	$10.29	$1,543.50
	Rip/Rap Check Dam With 24" Of Rock And Fabric-15 LF	1.00	LS	$928.80	$928.80
			Total Price for above Storm Drain Items:		**$50,567.91**

Total Bid Price: $224,620.64

Competitive Excavation Inc
PO Box 39
Hurricane, UT 84737 US
+1 4352120496
accounting@competitiveexcavation.com
www.competitiveexcavation.com

INVOICE

BILL TO
Hughes Construction

INVOICE # 2913
DATE 07/25/2022

P.O. NUMBER
Storm Drain Box Hourly

PROJECT
Vista School Park Avenue

DATE	ACTIVITY	DESCRIPTION	QTY	RATE	AMOUNT
	Materials		1	2,345.26	2,345.26
	Hourly	CAT 320 Excavator	3	165.00	495.00
	Hourly	Pipe Truck	8	75.00	600.00
	Hourly	Laborer	8	40.00	320.00
	Hourly	Supervisor	2	75.00	150.00

Ivins City
portion of "original proposal"
$46,805.67

BALANCE DUE **$3,910.26**

Project Drainage System Total = $50,715.93
24" end flare deduct -($ 991.80)
Revised total = $49,724.13

Tim Sobotka

From: Tom Jorgensen <tjorgensen@ivins.com>
Sent: Wednesday, July 13, 2022 2:02 PM
To: Tim Sobotka; Gene Madsen
Cc: Paul Callister; Jared Taylor
Subject: RE: Storm Drain - Vista School Expansion

Tim,

Thanks for looking into that, let's go with a catch basin top rather than the curb inlet top. Have them proceed forward with that change! Need anything else?

Thanks,
Tom

Thomas J. Jorgensen, P.E.
Assistant City Engineer, Ivins City
Phone: 435.634.0689

IVINS CITY

From: Tim Sobotka <tim@hughesgc.com>
Sent: Wednesday, July 13, 2022 1:32 PM
To: Tom Jorgensen <tjorgensen@ivins.com>; Gene Madsen <gene@hughesgc.com>
Cc: Paul Callister <paul@hughesgc.com>; Jared Taylor <jtaylor@ivins.com>
Subject: RE: Storm Drain - Vista School Expansion

Tom,

I just left you a phone message but wanted to reach out in email as well as this item is time sensitive.

Our Excavator researched the availability of 3' x 3' boxes and has found one with Geneva. It could be topped off as a catch basin or a curb inlet, either way. The catch basin configuration would save a little and likely be more effective until the street development continues.

Please call me to review as the excavator is currently wrapped up with the excavation portion of this project and will be removing their track hoe from site. We want to avoid another mobilization.

Thanks,
TIM SOBOTKA
Project Manager

HUGHES

HUGHES GENERAL CONTRACTORS
801.292.1411 office
801.792.9583 mobile
801.295.0530 fax
tim@hughesgc.com
www.HughesGC.com

From: Tom Jorgensen [mailto:tjorgensen@ivins.com]
Sent: Wednesday, July 13, 2022 8:57 AM
To: Tim Sobotka <tim@hughesgc.com>; Gene Madsen <gene@hughesgc.com>
Cc: Paul Callister <paul@hughesgc.com>; Jared Taylor <jtaylor@ivins.com>
Subject: RE: Storm Drain - Vista School Expansion

There was a miscommunication with the engineer about what we wanted at the end of the pipe (north end). The City needs a box installed at the end, we don't want the end of the pipe to just be open like shown on the plans. What do we need to do to add a box onto the end of the pipe?

Sorry for the confusion, it was my bad missing that box.

Thanks,
Tom

From: Tim Sobotka <tim@hughesgc.com>
Sent: Friday, July 8, 2022 11:55 AM
To: Tom Jorgensen <tjorgensen@ivins.com>; Gene Madsen <gene@hughesgc.com>
Cc: Paul Callister <paul@hughesgc.com>
Subject: RE: Storm Drain - Vista School Expansion

Tom,

Attached is the original proposal (6-19-2022) from Competitive Excavation for their scope on the Park Avenue project. I have highlighted only storm drain related items that are relevant to the new storm drain system.

Please let me know if you have any questions or need any additional information.

Thanks,
TIM SOBOTKA
Project Manager

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