

# **MEMORANDUM**

TO:

Romin Khavari, P.E., City Engineer

FROM:

Craig Alexander, P.E., Engineer

DATE:

June 30, 2016



SUBJECT: Recommendation of Award for Sir Roland Drive Wastewater Improvements and Slope Repairs W.O # 616.122

Competitive sealed proposals for the referenced project were received and opened publicly on Tuesday, June 28, 2016 at the City of Grand Prairie. A total of three (3) proposals were received. Based on discussions with Steve Alcorn in the City Attorney's office, a proposal from Rumsey Construction LLC was considered non-responsive due to their failure to provide a bid bond as required in the proposal documents and therefore disqualified. Below is a summary of qualified proposals and their respective proposed contract amounts:

Contractor	Total Bid
Rumsey Construction LLC	\$ 600,000.00*
Klutz Construction	\$ 807,855.50
Ark Contracting Services	\$ 980,765.00

<sup>\*-</sup> Proposal from Rumsey Construction LLC was considered non-responsive and therefore disqualified

Klutz Construction was the low of the two proposers with a total bid of \$807,855.50 and 180 calendar days to complete the project. We checked the proposals for errors and omissions and found none.

An evaluation committee representing City Engineering and Public Works staff convened, reviewed, and evaluated the submitted proposals based on the evaluation criteria set forth by the competitive sealed proposal method of procurement. Evaluation criteria included proposed contract price, experience of the proposer with similar projects, experience and qualifications of key personnel, past experience with the owner, schedule reduction, cost savings, and subcontractors. Based on the attached committee rankings of the aforementioned criteria, Klutz Construction was the selected proposer with the highest total average ranking score of 87.94 points as compared to 75.49 points for Ark Contracting Services.

We contacted the following references for Klutz Construction and received favorable reviews for the work they performed and/or are currently performing for these entities on similar type projects. Most responded that Klutz Construction's quality of work is very good and satisfactory and they had enough crews on the job and stayed on schedule. Most responses also noted their staff is responsive and easy to work with throughout the duration of projects.

• City of Arlington	Keith Hamby	817-366-2703
<ul> <li>City of Fort Worth</li> </ul>	Mike Bennett	817-392-7891
<ul> <li>Texas Dept. of Transportation</li> </ul>	John Ward	682-239-8344
<ul> <li>City of Fort Worth</li> </ul>	Robert Suseda	682-432-5478

Based on our evaluation ranking of proposers, Staff recommends that the project consisting of **Sir Roland Drive Wastewater Improvements and Slope Repairs W.O** #616.122 be recommended to the City Council for award to Klutz Construction.

Attachments: Bid Tabs, List of References, Qualification Evaluation Summary Sheet

cc: Bill Crolley, Director of Planning & Development

Ron McCuller, Director of Public Works

Romin Khavari, City Engineer

George Fanous, Senior Civil Engineer

Doug Bevins, Chief Engineering Inspector

Robert Barron, Senior Engineering Inspector

Jim Siddall, Water Utilities Director

Barry Walsh, Wastewater Utilities Crew Leader/Supervisor

Don Postell, City Attorney

Steve Alcorn, Assistant City Attorney

Maxine Snow, Administrative Supervisor

CITY OF GRAND PRAIRIE DATE: Tuesday, June 28, 2016			<u> </u>	lisqualified.	s considered non-responsive and therefore UCTION (DISQUALIFIED)	KLUTZ	CONSTRUCTION	ARK COI	NTRACTING SERVICES	ENGII	NEER'S ESTIMATE
Transfer of the control of the contr	Tr.			Bid Amount		Bid Amount		Bid Amount		Bid Amount	
NO. DESCRIPTION  SECTION I - WASTEWATER AERIAL CROSSING IMPROVEMENTS	QUANTITY	UNIT A	AVG. UNIT PRICE	UNIT PRICE (NUMBER ONLY)	EXTENDED PRICE (NUMBER ONLY)	UNIT PRICE (NUMBER ONLY)	EXTENDED PRICE (NUMBER ONLY)	UNIT PRICE (NUMBER ONLY)	EXTENDED PRICE (NUMBER ONLY)	UNIT PRICE (NUMBER ONLY)	EXTENDED PRICE (NUMBER ONLY)
Site Preparation including mobilization, clearing, grubbing, tree removal, and excess spoils removal, work fully performed as per specifications.	1	LS \$	77,333.33	\$ 12,000.00 \$	12,000.00	\$ 100,000.00	100,000.00	\$ 120,000.00	\$ 120,000.00	\$ 150,000.00	\$ 150,000.00
Construction Staking, work fully performed as per specifications, complete in place.	1	LS \$	5,166.67	\$ 2,500.00 \$	2,500.00	\$ 5,000.00	5,000.00	\$ 8,000.00	\$ 8,000.00	\$ 7,500.00	\$ 7,500.00
Barricading & Traffic Control, Design, Implementation, and Maintenance, furnish and install, complete in place.	1	LS \$	4,166.67	\$ 1,500.00 \$	1,500.00	\$ 6,000.00	6,000.00	\$ 5,000.00	\$ 5,000.00	\$ 2,500.00	\$ 2,500.00
Temporary Construction Fence, furnish and install complete in place as per specifications and details.	250	LF \$	10.67	\$ 10.00 \$	2,500.00	\$ 12.00	\$ 3,000.00	\$ 10.00	\$ 2,500.00	\$ 3.00	\$ 750.00
5 Silt Fence, furnish and install complete in place as per specifications and details.	950	LF \$	3.33	\$ 6.00 \$	5,700.00	\$ 2.00	1,900.00	\$ 2.00	\$ 1,900.00	\$ 1.50	\$ 1,425.00
6 Erosion Control, complete, in place, maintained and removed	1	LS \$	7,166.67	\$ 3,500.00 \$	3,500.00	\$ 3,000.00	3,000.00	\$ 15,000.00	\$ 15,000.00	\$ 5,000.00	\$ 5,000.00
7 Control of Water, work fully performed as per specifications.	1	LS \$	16,500.00	\$ 9,500.00 \$	9,500.00	\$ 20,000.00		· · · · · · · · · · · · · · · · · · ·	\$ 20,000.00	\$ 5,000.00	\$ 5,000.00
Overall Project Condition Survey, work fully performed as per specifications.	1	LS \$	4,333.33	\$ 3,500.00 \$	3,500.00	\$ 1,500.00	1,500.00	\$ 8,000.00	\$ 8,000.00	\$ 5,000.00	\$ 5,000.00
9 As-Built Survey, work fully performed as per specifications.	1	LS \$	2,500.00	\$ 3,500.00 \$	3,500.00	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00	\$ 5,000.00	\$ 5,000.00
Temporary Construction Entrance, furnish, install, and remove upon completion of construction, complete in place, as per details and specifications.	2	EA <b>\$</b>	3,083.33	\$ 2,500.00 \$	5,000.00	\$ 1,750.00	3,500.00	\$ 5,000.00	\$ 10,000.00	\$ 1,500.00	\$ 3,000.00
All Weather Construction Access Pathway and Rough Surface Restoration, including installation, removal, and rough grading, complete in place.	1,150	SY \$	35.67	\$ 25.00 \$	28,750.00	\$ 32.00	36,800.00	\$ 50.00	\$ 57,500.00	\$ 5.00	\$ 5,750.00
Pre-Construction TV Inspection of 6" Existing Wastewater Main, supply DVD/CD to City no less than Fourteen (14) Days prior to work for review; this item includes cleaning of main, bypass pumping, locating all services and low points along main, work fully performed, complete in place.	26	LF \$	35.00	\$ 40.00 \$	1,040.00	\$ 15.00	\$ 390.00	\$ 50.00	\$ 1,300.00	\$ 3.50	\$ 91.00
Post-Construction TV Inspection of 8" Proposed Wastewater Main, supply DVD/CD to City no less than Fourteen (14) Days after completion of work for review, this item includes cleaning of main, bypass pumping, locating all services and low points along main, work fully performed, complete in place.	178	LF \$	21.67	\$ 40.00	7,120.00	\$ 15.00	\$ 2,670.00	\$ 10.00	\$ 1,780.00	\$ 3.50	\$ 623.00
14 Trench Safety, Including sheeting, shoring and bracing when required by latest OSHA Standards, complete and in place.	63	LF \$	14.33	\$ 25.00 \$	1,575.00	\$ 8.00	504.00	\$ 10.00	\$ 630.00	\$ 3.50	\$ 220.50
15 8* Wastewater Main (PVC SDR 35, Open Cut), furnish & install, including backfill and cleanup, complete in place.	63	LF \$	185.00	\$ 85.00 \$	5,355.00	\$ 70.00	\$ 4,410.00	\$ 400.00	\$ 25,200.00	\$ 85.00	\$ 5,355.00
16 8" Wastewater Main (PVC SDR 35, Installed Inside 14" Steel Casing Pipe), furnish & install, including backfill and cleanup, complete in place.	115	LF \$	199.67	\$ 84.00 \$	9,660.00	\$ 115.00	13,225.00	\$ 400.00	\$ 46,000.00	\$ 95.00	\$ 10,925.00
17 Crushed Stone for Pipe Embedment, furnish and install, as per details.	9	CY \$	66.67	\$ 50.00 \$	450.00	\$ 50.00	\$ 450.00	\$ 100.00	\$ 900.00	\$ 45.00	\$ 405.00
Abandon Existing 6" WW Main in Place, at the locations shown on the plans and per City's Standard Details.	70	LF \$	12.33	\$ 15.00 \$	1,050.00	\$ 12.00	\$ 840.00	\$ 10.00	\$ 700.00	\$ 25.00	\$ 1,750.00
	"			RUMSEY CONSTR	UCTION (DISQUALIFIED)	KLUTZ	CONSTRUCTION	ARK COI	NTRACTING SERVICES	ENGI	NEER'S ESTIMATE
No. V	QUANTITY	Tuna Tuna Tuna Tuna Tuna Tuna Tuna Tuna	NO UNIT PRIOR	Bid Amount		Bid Amount		Bid Amount		Bid Amount	
NO. DESCRIPTION  19 Remove Existing WW Manhole and dispose of material in a legal manner.	QUANTITY 2	i i .	AVG. UNIT PRICE 1.016.67	Bid Amount UNIT PRICE (NUMBER ONLY)	EXTENDED PRICE (NUMBER ONLY)	Bid Amount UNIT PRICE (NUMBER ONLY)	EXTENDED PRICE (NUMBER ONLY)	Bid Amount UNIT PRICE (NUMBER ONLY)	EXTENDED PRICE (NUMBER ONLY)	Bid Amount UNIT PRICE (NUMBER ONLY)	EXTENDED PRICE (NUMBER ONLY)
19 Remove Existing WW Manhole and dispose of material in a legal manner.  20 Manhole, Wastewater W/ Ring and Cover 4' dia. (0'-6' depth), furnish and install, as per		UNIT A	AVG. UNIT PRICE 1,016.67 7,833.33	Bid Amount UNIT PRICE (NUMBER ONLY) \$ 1,250.00 \$		Bid Amount UNIT PRICE (NUMBER ONLY) \$ 800.00	EXTENDED PRICE (NUMBER ONLY) \$ 1,600.00	Bid Amount UNIT PRICE (NUMBER ONLY)  \$ 1,000.00	EXTENDED PRICE (NUMBER ONLY) \$ 2,000.00	Bid Amount UNIT PRICE (NUMBER ONLY)  \$ 750.00	EXTENDED PRICE (NUMBER ONLY) \$ 1,500.00
Remove Existing WW Manhole and dispose of material in a legal manner.  Manhole, Wastewater W/ Ring and Cover 4' dia. (0'-6' depth), furnish and install, as per specifications, complete and in place.  Manhole, Wastewater W/ Ring and Cover 5' dia. (0'-6' depth), furnish and install, as per	2	EA <b>\$</b>	1,016.67	### Bid Amount UNIT PRICE (NUMBER ONLY)  \$ 1,250.00 \$  \$ 4,500.00 \$	EXTENDED PRICE (NUMBER ONLY)  2,500.00	Bid Amount	EXTENDED PRICE (NUMBER ONLY) \$ 1,600.00 \$ 14,000.00	Bid Amount UNIT PRICE (NUMBER ONLY) \$ 1,000.00 \$ 12,000.00	** \$ 2,000.00 \$ 24,000.00	Bid Amount UNIT PRICE (NUMBER ONLY) \$ 750.00 \$ 4,500.00	***
19 Remove Existing WW Manhole and dispose of material in a legal manner. 20 Manhole, Wastewater W/ Ring and Cover 4' dia. (0'-6' depth), furnish and install, as per specifications, complete and in place.	2	EA <b>\$</b> EA <b>\$</b>	1,016.67 7,833.33	Bid Amount UNIT PRICE (NUMBER ONLY) \$ 1,250.00 \$ \$ 4,500.00 \$ \$ 7,500.00 \$	EXTENDED PRICE (NUMBER ONLY)  2,500.00  9,000.00	### Bid Amount   UNIT PRICE (NUMBER ONLY)    \$ 800.00    \$ 7,000.00    \$ 10,000.00	EXTENDED PRICE (NUMBER ONLY)  \$ 1,600.00  \$ 14,000.00  \$ 20,000.00	Bid Amount UNIT PRICE (NUMBER ONLY) \$ 1,000.00 \$ 12,000.00 \$ 18,000.00	\$ 2,000.00 \$ 24,000.00 \$ 36,000.00	Bid Amount UNIT PRICE (NUMBER ONLY) \$ 750.00 \$ 4,500.00 \$ 6,000.00	\$ 1,500.00 \$ 9,000.00 \$ 12,000.00
19 Remove Existing WW Manhole and dispose of material in a legal manner. 20 Manhole, Wastewater W/ Ring and Cover 4' dia. (0'-6' depth), furnish and install, as per specifications, complete and in place. 21 Manhole, Wastewater W/ Ring and Cover 5' dia. (0'-6' depth), furnish and install, as per specifications, complete and in place.	2 2	EA \$ EA \$	1,016.67 7,833.33 11,833.33	Bid Amount UNIT PRICE (NUMBER ONLY) \$ 1,250.00 \$ \$ 4,500.00 \$ \$ 7,500.00 \$ \$ 235.00 \$	2,500.00 9,000.00 15,000.00 2,115.00	### Bid Amount   UNIT PRICE (NUMBER ONLY)    \$ 800.00    \$ 7,000.00    \$ 10,000.00    \$ 260.00	EXTENDED PRICE (NUMBER ONLY)  \$ 1,600.00  \$ 14,000.00  \$ 20,000.00  \$ 2,340.00	Bid Amount UNIT PRICE (NUMBER ONLY) \$ 1,000.00 \$ 12,000.00 \$ 18,000.00 \$ 200.00	\$ 2,000.00 \$ 24,000.00 \$ 36,000.00 \$ 1,800.00	Bid Amount UNIT PRICE (NUMBER ONLY) \$ 750.00 \$ 4,500.00 \$ 6,000.00 \$ 200.00	\$ 1,500.00 \$ 9,000.00 \$ 12,000.00 \$ 1,800.00
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19 Remove Existing WW Manhole and dispose of material in a legal manner. 20 Manhole, Wastewater W/ Ring and Cover 4' dia. (0'-6' depth), furnish and install, as per specifications, complete and in place. 21 Manhole, Wastewater W/ Ring and Cover 5' dia. (0'-6' depth), furnish and install, as per specifications, complete and in place. 22 Extra Depth for 5' Dia. Sanitary Sewer Manhole, complete in place. 23 H** Welded Steel Casing Pipe by Aerial Crossing including primer and paint coating as per plans, 14" dia. X 5/16" thick, (does not include SDR 35 PVC Wastewater Pipe), furnish and install 14" steel casing pipe complete with RACI spacers, complete and in place.	2 2 2 9 115	EA \$ EA \$ LF \$	1,016.67 7,833.33 11,833.33 231.67 301.67	Bid Amount UNIT PRICE (NUMBER ONLY) \$ 1,250.00 \$ \$ 4,500.00 \$ \$ 7,500.00 \$ \$ 235.00 \$ \$ 425.00 \$	EXTENDED PRICE (NUMBER ONLY)  2,500.00  9,000.00  15,000.00  2,115.00  48,875.00  51,000.00	Bid Amount UNIT PRICE (NUMBER ONLY)  \$ 800.00 :  \$ 7,000.00 :  \$ 10,000.00 :  \$ 260.00 :  \$ 602.00 :	EXTENDED PRICE (NUMBER ONLY) \$ 1,600.00 \$ 14,000.00 \$ 20,000.00 \$ 2,340.00 \$ 20,700.00 \$ 61,404.00	Bid Amount UNIT PRICE (NUMBER ONLY) \$ 1,000.00 \$ 12,000.00 \$ 200.00 \$ 300.00 \$ 350.00	\$ 2,000.00 \$ 24,000.00 \$ 36,000.00 \$ 1,800.00 \$ 34,500.00 \$ 35,700.00	Bid Amount UNIT PRICE (NUMBER ONLY) \$ 750.00 \$ 4,500.00 \$ 6,000.00 \$ 200.00 \$ 185.00	\$ 1,500.00 \$ 9,000.00 \$ 12,000.00 \$ 1,800.00 \$ 21,275.00 \$ 25,500.00
19 Remove Existing WW Manhole and dispose of material in a legal manner. 20 Manhole, Wastewater W Ring and Cover 4' dia. (0'-6' depth), furnish and install, as per specifications, complete and in place. 21 Manhole, Wastewater W/ Ring and Cover 5' dia. (0'-6' depth), furnish and install, as per specifications, complete and in place. 22 Extra Depth for 5' Dia. Sanitary Sewer Manhole, complete in place. 23 per plans, 14' dia. X 5/16' thick, (does not include SDR 35 PVC Wastewater Pipe), furnish and install 14' steel casing pipe complete with RACI spacers, complete and in place. 24 24' Diameter Drilled Shaft Pier Foundation for Aerial Wastewater Crossing, complete and in place. 25 24' Diameter Formed Shaft Pier Foundation for Aerial Wastewater Crossing, complete and	2 2 2 9 115	EA \$ EA \$ LF \$	1,016.67 7,833.33 11,833.33 231.67 301.67 484.00	Bid Amount UNIT PRICE (NUMBER ONLY) \$ 1,250.00 \$ \$ 4,500.00 \$ \$ 7,500.00 \$ \$ 235.00 \$ \$ 425.00 \$ \$ 500.00 \$	EXTENDED PRICE (NUMBER ONLY)  2,500.00  9,000.00  15,000.00  2,115.00  48,875.00  51,000.00	Bid Amount UNIT PRICE (NUMBER ONLY)  \$ 800.00 :  \$ 7,000.00 :  \$ 10,000.00 :  \$ 260.00 :  \$ 180.00 :  \$ 602.00 :  \$ 681.00 :	EXTENDED PRICE (NUMBER ONLY)  \$ 1,600.00  \$ 14,000.00  \$ 20,000.00  \$ 2,340.00  \$ 20,700.00  \$ 20,430.00	Bid Amount UNIT PRICE (NUMBER ONLY) \$ 1,000.00 \$ 12,000.00 \$ 200.00 \$ 300.00 \$ 350.00 \$ 250.00	\$ 2,000.00 \$ 24,000.00 \$ 36,000.00 \$ 1,800.00 \$ 34,500.00 \$ 35,700.00 \$ 7,500.00	Bid Amount UNIT PRICE (NUMBER ONLY) \$ 750.00 \$ 4,500.00 \$ 6,000.00 \$ 200.00 \$ 185.00 \$ 250.00 \$ 275.00	\$ 1,500.00 \$ 9,000.00 \$ 12,000.00 \$ 12,000.00 \$ 1,800.00 \$ 21,275.00 \$ 25,500.00 \$ 8,250.00
19 Remove Existing WW Manhole and dispose of material in a legal manner. 20 Manhole, Wastewater W Ring and Cover 4' dia. (0'-6' depth), furnish and install, as per specifications, complete and in place. 21 Manhole, Wastewater W/ Ring and Cover 5' dia. (0'-6' depth), furnish and install, as per specifications, complete and in place. 22 Extra Depth for 5' Dia. Sanitary Sewer Manhole, complete in place. 23 per plans, 14" dia. X 5/16" thick, (does not include SDR 35 PVC Wastewater Pipe), furnish and install 14" steel casing pipe complete with RACI spacers, complete and in place. 24 Diameter Drilled Shaft Pier Foundation for Aerial Wastewater Crossing, complete and in place. 25 24" Diameter Formed Shaft Pier Foundation for Aerial Wastewater Crossing, complete and in place.	2 2 9 115 102 30	EA \$ EA \$ VF \$ VF \$ VF \$ VF \$	1,016.67 7,833.33 11,833.33 231.67 301.67 484.00 560.33	Bid Amount UNIT PRICE (NUMBER ONLY) \$ 1,250.00 \$ \$ 4,500.00 \$ \$ 7,500.00 \$ \$ 235.00 \$ \$ 425.00 \$ \$ 500.00 \$ \$ 500.00 \$	2,500.00 9,000.00 15,000.00 2,115.00 48,875.00 51,000.00 22,500.00 12,000.00	Bid Amount UNIT PRICE (NUMBER ONLY)  \$ 800.00 :  \$ 7,000.00 :  \$ 10,000.00 :  \$ 260.00 :  \$ 602.00 :  \$ 681.00 :  \$ 600.00 :	EXTENDED PRICE (NUMBER ONLY) \$ 1,600.00 \$ 14,000.00 \$ 20,000.00 \$ 2,340.00 \$ 20,700.00 \$ 61,404.00 \$ 20,430.00 \$ 14,400.00	Bid Amount UNIT PRICE (NUMBER ONLY) \$ 1,000.00 \$ 12,000.00 \$ 200.00 \$ 300.00 \$ 350.00 \$ 250.00 \$ 100.00	\$ 2,000.00 \$ 24,000.00 \$ 36,000.00 \$ 1,800.00 \$ 34,500.00 \$ 35,700.00 \$ 7,500.00 \$ 2,400.00	Bid Amount UNIT PRICE (NUMBER ONLY) \$ 750.00 \$ 4,500.00 \$ 6,000.00 \$ 200.00 \$ 185.00 \$ 250.00 \$ 275.00	\$ 1,500.00 \$ 9,000.00 \$ 12,000.00 \$ 12,000.00 \$ 21,275.00 \$ 25,500.00 \$ 8,250.00 \$ 6,600.00
Remove Existing WW Manhole and dispose of material in a legal manner.  Manhole, Wastewater W Ring and Cover 4' dia. (0'-6' depth), furnish and install, as per specifications, complete and in place.  Manhole, Wastewater W/ Ring and Cover 5' dia. (0'-6' depth), furnish and install, as per specifications, complete and in place.  Extra Depth for 5' Dia. Sanitary Sewer Manhole, complete in place.  14" Welded Steel Casing Pipe by Aerial Crossing including primer and paint coating as per plans, 14" dia. X 5/16" thick, (does not include SDR 35 PVC Wastewater Pipe), furnish and install 14" steel casing pipe complete with RACI spacers, complete and in place.  24 24" Diameter Drilled Shaft Pier Foundation for Aerial Wastewater Crossing, complete and in place.  25 24" Diameter Formed Shaft Pier Foundation for Aerial Wastewater Crossing, complete and in place.  26 Extra Depth for 24" Diameter Drilled Shaft Pier Foundation, complete and in place.	2 2 9 115 102 30 24	EA \$ EA \$ VF \$ VF \$ VF \$ VF \$ VF \$	1,016.67 7,833.33 11,833.33 231.67 301.67 484.00 560.33 400.00	Bid Amount UNIT PRICE (NUMBER ONLY) \$ 1,250.00 \$ \$ 4,500.00 \$ \$ 7,500.00 \$ \$ 235.00 \$ \$ 425.00 \$ \$ 500.00 \$ \$ 300.00 \$	2,500.00 9,000.00 15,000.00 2,115.00 48,875.00 51,000.00 22,500.00 12,000.00 30,600.00	Bid Amount UNIT PRICE (NUMBER ONLY)  \$ 800.00 :  \$ 7,000.00 :  \$ 10,000.00 :  \$ 260.00 :  \$ 602.00 :  \$ 681.00 :  \$ 20.00 :	EXTENDED PRICE (NUMBER ONLY)  \$ 1,600.00  \$ 14,000.00  \$ 20,000.00  \$ 2,340.00  \$ 20,700.00  \$ 61,404.00  \$ 20,430.00  \$ 14,400.00  \$ 2,040.00	Bid Amount UNIT PRICE (NUMBER ONLY) \$ 1,000.00 \$ 12,000.00 \$ 200.00 \$ 300.00 \$ 350.00 \$ 250.00 \$ 40.00	\$ 2,000.00 \$ 24,000.00 \$ 36,000.00 \$ 1,800.00 \$ 34,500.00 \$ 35,700.00 \$ 7,500.00 \$ 2,400.00 \$ 4,080.00	Bid Amount UNIT PRICE (NUMBER ONLY) \$ 750.00 \$ 4,500.00 \$ 6,000.00 \$ 200.00 \$ 185.00 \$ 250.00 \$ 275.00 \$ 50.00	EXTENDED PRICE (NUMBER ONLY) \$ 1,500.00 \$ 9,000.00 \$ 12,000.00 \$ 1,800.00 \$ 21,275.00 \$ 25,500.00 \$ 8,250.00 \$ 6,600.00 \$ 5,100.00
Remove Existing WW Manhole and dispose of material in a legal manner.  Manhole, Wastewater W/ Ring and Cover 4' dia. (0'-6' depth), furnish and install, as per specifications, complete and in place.  Manhole, Wastewater W/ Ring and Cover 5' dia. (0'-6' depth), furnish and install, as per specifications, complete and in place.  Extra Depth for 5' Dia. Sanitary Sewer Manhole, complete in place.  14" Welded Steel Casing Pipe by Aerial Crossing including primer and paint coating as per plans, 14" dia. X 5/16" thick, (does not include SDR 35 PVC Wastewater Pipe), furnish and install 14" steel casing pipe complete with RACI spacers, complete and in place.  24 24" Diameter Drilled Shaft Pier Foundation for Aerial Wastewater Crossing, complete and in place.  25 24" Diameter Formed Shaft Pier Foundation for Aerial Wastewater Crossing, complete and in place.  26 Extra Depth for 24" Diameter Drilled Shaft Pier Foundation, complete and in place.  Outer temporary casing for control of ground water seepage and sloughing of overburdened soils for 24" drilled shaft pier foundation, furnish and install.  Pier Caps, Including Stainless Steel Straps and Other Related Items, furnish and install per	2 2 9 115 102 30 24 102	EA \$ EA \$ VF \$	1,016.67 7,833.33 11,833.33 231.67 301.67 484.00 560.33 400.00 120.00	Bid Amount UNIT PRICE (NUMBER ONLY) \$ 1,250.00 \$ \$ 4,500.00 \$ \$ 7,500.00 \$ \$ 235.00 \$ \$ 425.00 \$ \$ 500.00 \$ \$ 500.00 \$ \$ 3,500.00 \$	2,500.00 9,000.00 15,000.00 2,115.00 48,875.00 51,000.00 22,500.00 12,000.00 30,600.00 14,000.00	Bid Amount UNIT PRICE (NUMBER ONLY)  \$ 800.00  \$ 7,000.00  \$ 10,000.00  \$ 260.00  \$ 602.00  \$ 681.00  \$ 20.00  \$ 5,150.00	EXTENDED PRICE (NUMBER ONLY)  \$ 1,600.00  \$ 14,000.00  \$ 20,000.00  \$ 20,700.00  \$ 20,700.00  \$ 20,430.00  \$ 14,400.00  \$ 2,040.00  \$ 2,040.00	Bid Amount UNIT PRICE (NUMBER ONLY) \$ 1,000.00 \$ 12,000.00 \$ 200.00 \$ 300.00 \$ 350.00 \$ 250.00 \$ 40.00 \$ 6,000.00	\$ 2,000.00 \$ 24,000.00 \$ 36,000.00 \$ 1,800.00 \$ 34,500.00 \$ 35,700.00 \$ 7,500.00 \$ 2,400.00 \$ 4,080.00 \$ 24,000.00	Bid Amount UNIT PRICE (NUMBER ONLY) \$ 750.00 \$ 4,500.00 \$ 6,000.00 \$ 200.00 \$ 185.00 \$ 250.00 \$ 275.00 \$ 275.00 \$ 4,000.00	EXTENDED PRICE (NUMBER ONLY) \$ 1,500.00 \$ 9,000.00 \$ 12,000.00 \$ 1,800.00 \$ 21,275.00 \$ 25,500.00 \$ 8,250.00 \$ 6,600.00 \$ 5,100.00 \$ 16,000.00
Remove Existing WW Manhole and dispose of material in a legal manner.  Manhole, Wastewater W Ring and Cover 4' dia. (0'-6' depth), furnish and install, as per specifications, complete and in place.  Manhole, Wastewater W/ Ring and Cover 5' dia. (0'-6' depth), furnish and install, as per specifications, complete and in place.  Extra Depth for 5' Dia. Sanitary Sewer Manhole, complete in place.  14" Welded Steel Casing Pipe by Aerial Crossing including primer and paint coating as per plans, 14" dia. X 5/16" thick, (does not include SDR 35 PVC Wastewater Pipe), furnish and install 14" steel casing pipe complete with RACI spacers, complete and in place.  24" Diameter Drilled Shaft Pier Foundation for Aerial Wastewater Crossing, complete and in place.  25" Diameter Formed Shaft Pier Foundation for Aerial Wastewater Crossing, complete and in place.  Extra Depth for 24" Diameter Drilled Shaft Pier Foundation, complete and in place.  Outer temporary casing for control of ground water seepage and sloughing of overburdened soils for 24" drilled shaft pier foundation, furnish and install.  Pier Caps, Including Stainless Steel Straps and Other Related Items, furnish and install per pier cap details.	2 2 9 115 102 30 24 102	EA \$ EA \$ VF	1,016.67 7,833.33 11,833.33 231.67 301.67 484.00 560.33 400.00 120.00 4,883.33	Bid Amount UNIT PRICE (NUMBER ONLY) \$ 1,250.00 \$ \$ 4,500.00 \$ \$ 7,500.00 \$ \$ 235.00 \$ \$ 425.00 \$ \$ 500.00 \$ \$ 500.00 \$ \$ 300.00 \$ \$ 3,500.00 \$ \$ 4,500.00 \$	2,500.00 9,000.00 15,000.00 2,115.00 48,875.00 51,000.00 12,000.00 30,600.00 14,000.00 4,500.00	Bid Amount UNIT PRICE (NUMBER ONLY)  \$ 800.00 :  \$ 7,000.00 :  \$ 10,000.00 :  \$ 260.00 :  \$ 602.00 :  \$ 681.00 :  \$ 20.00 :  \$ 4,000.00 :	EXTENDED PRICE (NUMBER ONLY)  \$ 1,600.00  \$ 14,000.00  \$ 20,000.00  \$ 2,340.00  \$ 20,700.00  \$ 61,404.00  \$ 20,430.00  \$ 20,430.00  \$ 4,000.00	Bid Amount UNIT PRICE (NUMBER ONLY) \$ 1,000.00 \$ 12,000.00 \$ 200.00 \$ 300.00 \$ 350.00 \$ 250.00 \$ 40.00 \$ 6,000.00 \$ 2,000.00	\$ 2,400.00 \$ 1,800.00 \$ 34,500.00 \$ 7,500.00 \$ 24,000.00 \$ 2,400.00 \$ 2,400.00 \$ 2,400.00 \$ 2,000.00	Bid Amount UNIT PRICE (NUMBER ONLY) \$ 750.00 \$ 4,500.00 \$ 6,000.00 \$ 200.00 \$ 185.00 \$ 250.00 \$ 275.00 \$ 50.00 \$ 5,000.00	EXTENDED PRICE (NUMBER ONLY) \$ 1,500.00 \$ 9,000.00 \$ 12,000.00 \$ 1,800.00 \$ 21,275.00 \$ 25,500.00 \$ 6,600.00 \$ 5,100.00 \$ 16,000.00 \$ 5,000.00
Remove Existing WW Manhole and dispose of material in a legal manner.  Manhole, Wastewater W Ring and Cover 4' dia. (0'-6' depth), furnish and install, as per specifications, complete and in place.  Manhole, Wastewater W/ Ring and Cover 5' dia. (0'-6' depth), furnish and install, as per specifications, complete and in place.  Extra Depth for 5' Dia. Sanitary Sewer Manhole, complete in place.  14" Welded Steel Casing Pipe by Aerial Crossing including primer and paint coating as per plans, 14" dia. X 5/16" thick, (does not include SDR 35 PVC Wastewater Pipe), furnish and install 14" steel casing pipe complete with RACI spacers, complete and in place.  24 24" Diameter Drilled Shaft Pier Foundation for Aerial Wastewater Crossing, complete and in place.  25 24" Diameter Formed Shaft Pier Foundation for Aerial Wastewater Crossing, complete and in place.  26 Extra Depth for 24" Diameter Drilled Shaft Pier Foundation, complete and in place.  27 Outer temporary casing for control of ground water seepage and sloughing of overburdened soils for 24" drilled shaft pier foundation, furnish and install.  28 Pier Caps, Including Stainless Steel Straps and Other Related Items, furnish and install per pier cap details.  29 Remove and Dispose of Existing Aerial Crossing, Including Pipe and Piers, work fully performed, complete in place.	2 2 9 115 102 30 24 102 4	EA \$ EA \$ VF	1,016.67 7,833.33 11,833.33 231.67 301.67 484.00 560.33 400.00 120.00 4,883.33 3,500.00	Bid Amount UNIT PRICE (NUMBER ONLY) \$ 1,250.00 \$ \$ 4,500.00 \$ \$ 7,500.00 \$ \$ 235.00 \$ \$ 425.00 \$ \$ 500.00 \$ \$ 300.00 \$ \$ 3,500.00 \$ \$ 4,500.00 \$ \$ 900.00 \$	2,500.00 9,000.00 15,000.00 2,115.00 48,875.00 51,000.00 22,500.00 12,000.00 30,600.00 14,000.00 4,500.00 2,700.00	Bid Amount UNIT PRICE (NUMBER ONLY)  \$ 800.00  \$ 7,000.00  \$ 10,000.00  \$ 260.00  \$ 681.00  \$ 681.00  \$ 20.00  \$ 20.00  \$ 3,150.00  \$ 900.00	EXTENDED PRICE (NUMBER ONLY)  \$ 1,600.00  \$ 14,000.00  \$ 20,000.00  \$ 2,340.00  \$ 20,700.00  \$ 61,404.00  \$ 20,430.00  \$ 2,040.00  \$ 4,000.00  \$ 2,700.00	Bid Amount UNIT PRICE (NUMBER ONLY) \$ 1,000.00 \$ 12,000.00 \$ 200.00 \$ 300.00 \$ 350.00 \$ 250.00 \$ 40.00 \$ 6,000.00 \$ 1,500.00	\$ 2,400.00 \$ 34,500.00 \$ 7,500.00 \$ 4,080.00 \$ 24,000.00 \$ 4,080.00 \$ 4,080.00 \$ 4,080.00 \$ 4,080.00 \$ 4,080.00 \$ 4,080.00 \$ 4,080.00 \$ 4,080.00 \$ 4,080.00	Bid Amount UNIT PRICE (NUMBER ONLY) \$ 750.00 \$ 4,500.00 \$ 6,000.00 \$ 200.00 \$ 185.00 \$ 275.00 \$ 275.00 \$ 50.00 \$ 4,000.00 \$ 1,500.00	\$ 1,500.00 \$ 9,000.00 \$ 12,000.00 \$ 1,800.00 \$ 21,275.00 \$ 25,500.00 \$ 8,250.00 \$ 6,600.00 \$ 5,100.00 \$ 16,000.00 \$ 4,500.00
Remove Existing WW Manhole and dispose of material in a legal manner.  Manhole, Wastewater W Ring and Cover 4' dia. (0'-6' depth), furnish and install, as per specifications, complete and in place.  Manhole, Wastewater W Ring and Cover 5' dia. (0'-6' depth), furnish and install, as per specifications, complete and in place.  Extra Depth for 5' Dia. Sanitary Sewer Manhole, complete in place.  Lift Welded Steel Casing Pipe by Aerial Crossing including primer and paint coating as per plans, 14' dia. X 5'16' thick, (does not include SDR 35 PVC Wastewater Pipe), furnish and install 4' steel casing pipe complete with RACI spacers, complete and in place.  Lift Welded Steel Casing Pipe by Aerial Crossing including primer and paint coating as per plans, 14' dia. X 5'16' thick, (does not include SDR 35 PVC Wastewater Pipe), furnish and install ristel casing pipe complete with RACI spacers, complete and in place.  Lift Welded Steel Casing Pipe by Aerial Crossing including Wastewater Crossing, complete and in place.  Lift Welded Steel Casing Pipe by Aerial Crossing wastewater Crossing, complete and in place.  Extra Depth for 24" Diameter Foundation for Aerial Wastewater Crossing, complete and in place.  Uter temporary casing for control of ground water seepage and sloughing of overburdened soils for 24" drilled shaft pier foundation, furnish and install.  Pier Caps, Including Stainless Steel Straps and Other Related Items, furnish and install per pier cap details.  Remove and Dispose of Existing Aerial Crossing, Including Pipe and Piers, work fully performed, complete in place.  Connect WW Main to Manhole, (prop. WW Mains to Existing MH, existing WW Mains to Prop MH), work fully performed, complete in place.	2 2 9 115 102 30 24 102 4 1	EA \$ EA \$ VF \$ EA \$ EA \$	1,016.67 7,833.33 11,833.33 231.67 301.67 484.00 560.33 400.00 120.00 4,883.33 3,500.00 1,100.00	Bid Amount UNIT PRICE (NUMBER ONLY) \$ 1,250.00 \$ \$ 4,500.00 \$ \$ 7,500.00 \$ \$ 235.00 \$ \$ 425.00 \$ \$ 500.00 \$ \$ 500.00 \$ \$ 300.00 \$ \$ 3,500.00 \$ \$ 4,500.00 \$ \$ 1,000.00 \$	2,500.00 9,000.00 15,000.00 2,115.00 48,875.00 51,000.00 22,500.00 12,000.00 30,600.00 14,000.00 4,500.00 2,700.00 2,000.00	Bid Amount UNIT PRICE (NUMBER ONLY)  \$ 800.00  \$ 7,000.00  \$ 10,000.00  \$ 260.00  \$ 681.00  \$ 681.00  \$ 5,150.00  \$ 4,000.00  \$ 900.00  \$ 65.00	EXTENDED PRICE (NUMBER ONLY) \$ 1,600.00 \$ 14,000.00 \$ 20,000.00 \$ 2,340.00 \$ 20,700.00 \$ 61,404.00 \$ 20,430.00 \$ 14,400.00 \$ 20,600.00 \$ 2,040.00 \$ 1,300.00	Bid Amount UNIT PRICE (NUMBER ONLY) \$ 1,000.00 \$ 12,000.00 \$ 200.00 \$ 300.00 \$ 350.00 \$ 250.00 \$ 40.00 \$ 6,000.00 \$ 2,000.00 \$ 1,500.00 \$ 80.00	\$ 2,000.00 \$ 36,000.00 \$ 1,800.00 \$ 34,500.00 \$ 7,500.00 \$ 24,000.00 \$ 2,400.00 \$ 4,080.00 \$ 24,000.00 \$ 1,600.00 \$ 1,600.00	Bid Amount UNIT PRICE (NUMBER ONLY) \$ 750.00 \$ 4,500.00 \$ 6,000.00 \$ 200.00 \$ 185.00 \$ 275.00 \$ 275.00 \$ 3,000.00 \$ 1,500.00 \$ 5,000.00 \$ 5,000.00	\$ 1,500.00 \$ 9,000.00 \$ 12,000.00 \$ 12,000.00 \$ 1,800.00 \$ 21,275.00 \$ 25,500.00 \$ 8,250.00 \$ 6,600.00 \$ 5,100.00 \$ 16,000.00 \$ 14,500.00 \$ 1,100.00
Remove Existing WW Manhole and dispose of material in a legal manner.  Manhole, Wastewater W Ring and Cover 4' dia. (0'-6' depth), furnish and install, as per specifications, complete and in place.  Manhole, Wastewater W Ring and Cover 5' dia. (0'-6' depth), furnish and install, as per specifications, complete and in place.  Extra Depth for 5' Dia. Sanitary Sewer Manhole, complete in place.  14" Welded Steel Casing Pipe by Aerial Crossing including primer and paint coating as per plans, 14" dia. X 5/16" thick, (does not include SDR 35 PVC Wastewater Pipe), furnish and install 14" steel casing pipe complete with RACI spacers, complete and in place.  24" Diameter Drilled Shaft Pier Foundation for Aerial Wastewater Crossing, complete and in place.  24" Diameter Formed Shaft Pier Foundation for Aerial Wastewater Crossing, complete and in place.  Extra Depth for 24" Diameter Drilled Shaft Pier Foundation, complete and in place.  Outer temporary casing for control of ground water seepage and sloughing of overburdened soils for 24" drilled shaft pier foundation, furnish and install.  Pier Caps, including Stainless Steel Straps and Other Related Items, furnish and install per pier cap details.  Remove and Dispose of Existing Aerial Crossing, Including Pipe and Piers, work fully performed, complete in place.  30 Connect WW Main to Manhole, (prop. WW Mains to Existing MH, existing WW Mains to Prop MH), work fully performed, complete in place.  4" PVC SDR 35 wastewater service pipe, furnish & install, including embedment, backfill, surface repair and cleanup, complete in place.	2 2 9 115 102 30 24 102 4 1	EA \$ EA \$ VF \$ VF \$ VF \$ VF \$ VF \$ VF \$ LS \$ EA \$ LS \$ EA \$ LF \$	1,016.67 7,833.33 11,833.33 231.67 301.67 484.00 560.33 400.00 120.00 4,883.33 3,500.00 1,100.00 81.67	Bid Amount UNIT PRICE (NUMBER ONLY) \$ 1,250.00 \$ \$ 4,500.00 \$ \$ 7,500.00 \$ \$ 235.00 \$ \$ 425.00 \$ \$ 500.00 \$ \$ 500.00 \$ \$ 300.00 \$ \$ 3,500.00 \$ \$ 4,500.00 \$ \$ 100.00 \$ \$ 150.00 \$	EXTENDED PRICE (NUMBER ONLY)  2,500.00  9,000.00  15,000.00  2,115.00  48,875.00  51,000.00  12,000.00  30,600.00  14,000.00  4,500.00  2,700.00  2,000.00  150.00	Bid Amount UNIT PRICE (NUMBER ONLY)  \$ 800.00    \$ 7,000.00    \$ 10,000.00    \$ 260.00    \$ 681.00    \$ 681.00    \$ 20.00    \$ 900.00    \$ 4,000.00    \$ 900.00    \$ 65.00	EXTENDED PRICE (NUMBER ONLY)  \$ 1,600.00  \$ 14,000.00  \$ 20,000.00  \$ 2,340.00  \$ 20,700.00  \$ 61,404.00  \$ 20,430.00  \$ 20,430.00  \$ 2,040.00  \$ 2,040.00  \$ 14,000.00  \$ 1,300.00  \$ 600.00	Bid Amount UNIT PRICE (NUMBER ONLY) \$ 1,000.00 \$ 12,000.00 \$ 18,000.00 \$ 200.00 \$ 300.00 \$ 350.00 \$ 40.00 \$ 40.00 \$ 6,000.00 \$ 1,500.00 \$ 80.00 \$ 300.00	\$ 2,400.00 \$ 34,500.00 \$ 24,000.00 \$ 35,700.00 \$ 35,700.00 \$ 2,400.00 \$ 4,080.00 \$ 4,080.00 \$ 1,600.00 \$ 300.00	Bid Amount UNIT PRICE (NUMBER ONLY) \$ 750.00 \$ 4,500.00 \$ 6,000.00 \$ 200.00 \$ 185.00 \$ 250.00 \$ 275.00 \$ 50.00 \$ 1,500.00 \$ 1,500.00 \$ 55.00 \$ 1,200.00	EXTENDED PRICE (NUMBER ONLY) \$ 1,500.00 \$ 9,000.00 \$ 12,000.00 \$ 1,800.00 \$ 21,275.00 \$ 25,500.00 \$ 8,250.00 \$ 6,600.00 \$ 5,100.00 \$ 16,000.00 \$ 1,100.00 \$ 1,100.00 \$ 1,100.00
Remove Existing WW Manhole and dispose of material in a legal manner.  Manhole, Wastewater W Ring and Cover 4' dia. (0'-6' depth), furnish and install, as per specifications, complete and in place.  Manhole, Wastewater W/ Ring and Cover 5' dia. (0'-6' depth), furnish and install, as per specifications, complete and in place.  Extra Depth for 5' Dia. Sanitary Sewer Manhole, complete in place.  14" Welded Steel Casing Pipe by Aerial Crossing including primer and paint coating as per plans, 14" dia. X 5/16" thick, (does not include SDR 35 PVC Wastewater Pipe), furnish and install 14" steel casing pipe complete with RACI spacers, complete and in place.  24 24" Diameter Drilled Shaft Pier Foundation for Aerial Wastewater Crossing, complete and in place.  25 24" Diameter Formed Shaft Pier Foundation for Aerial Wastewater Crossing, complete and in place.  26 Extra Depth for 24" Diameter Drilled Shaft Pier Foundation, complete and in place.  27 Outer temporary casing for control of ground water seepage and sloughing of overburdened soils for 24" drilled shaft pier foundation, furnish and install.  28 Pier Caps, Including Stainless Steel Straps and Other Related Items, furnish and install per performed, complete in place.  30 Connect WW Main to Manhole, (prop. WW Mains to Existing MH, existing WW Mains to Prop MH), work fully performed, complete in place.  31 4" PVC SDR 35 wastewater service pipe, furnish & install, including embedment, backfill, surface repair and cleanup, complete in place.  32 Cleanout - Standard Wastewater, furnish and install, Cast Iron for Traffic Areas and	2 2 9 115 102 30 24 102 4 1	EA \$ EA \$ VF \$ VF \$ VF \$ VF \$ VF \$ VF \$ UF \$ U	1,016.67 7,833.33 11,833.33 231.67 301.67 484.00 560.33 400.00 120.00 4,883.33 3,500.00 1,100.00 81.67 350.00	Bid Amount UNIT PRICE (NUMBER ONLY) \$ 1,250.00 \$ \$ 4,500.00 \$ \$ 7,500.00 \$ \$ 235.00 \$ \$ 425.00 \$ \$ 500.00 \$ \$ 500.00 \$ \$ 300.00 \$ \$ 3,500.00 \$ \$ 4,500.00 \$ \$ 100.00 \$ \$ 150.00 \$ \$ 150.00 \$	2,500.00 9,000.00 15,000.00 2,115.00 48,875.00 51,000.00 22,500.00 12,000.00 30,600.00 14,000.00 4,500.00 2,700.00 2,000.00 150.00	Bid Amount UNIT PRICE (NUMBER ONLY)  \$ 800.00    \$ 7,000.00    \$ 10,000.00    \$ 260.00    \$ 681.00    \$ 681.00    \$ 5,150.00    \$ 900.00    \$ 65.00    \$ 800.00	EXTENDED PRICE (NUMBER ONLY)  \$ 1,600.00  \$ 14,000.00  \$ 20,000.00  \$ 2,340.00  \$ 20,700.00  \$ 61,404.00  \$ 20,430.00  \$ 14,400.00  \$ 2,040.00  \$ 2,040.00  \$ 2,700.00  \$ 300.00  \$ 300.00  \$ 300.00	Bid Amount UNIT PRICE (NUMBER ONLY) \$ 1,000.00 \$ 12,000.00 \$ 200.00 \$ 300.00 \$ 350.00 \$ 250.00 \$ 40.00 \$ 6,000.00 \$ 1,500.00 \$ 80.00 \$ 300.00 \$ 300.00	\$ 2,400.00 \$ 35,700.00 \$ 35,700.00 \$ 7,500.00 \$ 24,000.00 \$ 34,000.00 \$ 35,700.00 \$ 2,400.00 \$ 2,400.00 \$ 4,080.00 \$ 24,000.00 \$ 300.00 \$ 300.00	Bid Amount UNIT PRICE (NUMBER ONLY) \$ 750.00 \$ 4,500.00 \$ 6,000.00 \$ 200.00 \$ 185.00 \$ 275.00 \$ 275.00 \$ 50.00 \$ 1,500.00 \$ 1,200.00 \$ 500.00	\$ 1,200.00 \$ 21,275.00 \$ 25,500.00 \$ 16,000.00 \$ 16,000.00 \$ 17,000.00 \$ 17,000.00 \$ 17,000.00 \$ 17,000.00 \$ 17,000.00 \$ 17,000.00 \$ 17,000.00 \$ 17,000.00

3.4-1 of 5

### Sir Roland Drive Wastewater Improvements and Slope Repairs

ind Direc	wastewater improvements
	W.O. # 616.122

				RUMSEY CONSTR	UCTION (DISQUALIFIED)	KLUTZ	CONSTRUCTION	ARK CO	NTRACTING SERVICES	ENGINEER'S ESTIMATE		
				Bid Amount		Bid Amount		Bid Amount		Bid Amount		
DESCRIPTION	QUANTITY	UNIT	AVG. UNIT PRICE	UNIT PRICE (NUMBER ONLY)	EXTENDED PRICE (NUMBER ONLY)	UNIT PRICE (NUMBER ONLY)	EXTENDED PRICE (NUMBER ONLY)	UNIT PRICE (NUMBER ONLY)	EXTENDED PRICE (NUMBER ONLY)	UNIT PRICE (NUMBER ONLY)	EXTENDED PRICE (NUMBER ONLY)	
Remove and Dispose of Existing Storage Shed at 520 Sir Roland Drive (If Needed), disposal shall be off-site and in a legal manner, complete in place.	1	LS \$	2,416.67	\$ 250.00 \$	250.00	\$ 1,000.00	1,000.00	\$ 6,000.00	\$ 6,000.00	\$ 1,000.00	\$ 1,000.0	
Irrigation System Repairs (Allowance), including pre-construction and post-construction system testing with homeowners, modification, removal, and replacement costs, complete a place, work fully performed.	d in 1	LS \$	12,000.00	\$ 12,000.00 \$	12,000.00	\$ 12,000.00	12,000.00	\$ 12,000.00	\$ 12,000.00	\$ 12,000.00	\$ 12,000.	
3" Caliper Live Oak Tree (If Needed), furnish and install, complete in place.	1	EA \$	1,083.33	\$ 1,250.00 \$	1,250.00	\$ 1,000.00	1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 3,000.00	\$ 3,000.	
Concrete Sidewalk Repairs - Sawcut, remove and replace existing concrete sidewalk, com and in place.	lete 10	SY \$	85.00	\$ 45.00 \$	450.00	\$ 100.00	1,000.00	\$ 110.00	\$ 1,100.00	\$ 55.00	\$ 550.	
Miscellaneous Concrete Driveway Repairs (If Needed) - Sawcut, remove and replace exist concrete driveway, complete and in place.	ing 50	SY \$	76.67	\$ 55.00 \$	2,750.00	\$ 90.00	4,500.00	\$ 85.00	\$ 4,250.00	\$ 85.00	\$ 4,250.	
Concrete Driveway Repairs at 3641 Racquet Club Drive (If Needed) - Sawcut, remove ar replace existing concrete driveway, complete and in place.	200	SY \$	73.33	\$ 55.00 \$	11,000.00	\$ 90.00	18,000.00	\$ 75.00	\$ 15,000.00	\$ 85.00	\$ 17,000.	
Concrete Pavement Repairs (If Needed) - Sawcut, remove and replace existing concrete pavement, including curb & gutter, complete and in place.	20	SY \$	95.00	\$ 55.00 \$	1,100.00	\$ 100.00	2,000.00	\$ 130.00	\$ 2,600.00	\$ 110.00	\$ 2,200.	
Brick Mailbox Repairs or Replacement (If Needed) - Remove any damaged brick and mo and replace with new matching brick or replace entire structure with brick mailbox equal to o better than existing mailbox, including matching brick, complete and in place.		LS \$	916.67	\$ 550.00 \$	550.00	\$ 1,200.00	1,200.00	\$ 1,000.00	\$ 1,000.00	\$ 2,000.00	\$ 2,000.	
Temporary Mailboxes (If Needed), furnish and install, complete in place.	2	EA \$	158.33	\$ 125.00 \$	250.00	\$ 50.00	100.00	\$ 300.00	\$ 600.00	\$ 250.00	\$ 500.	
Existing Recessed Curb Inlet Repairs (If Needed), furnish and install, complete in place.	1	LS \$	1,610.00	\$ 1,230.00 \$	1,230.00	\$ 3,000.00	3,000.00	\$ 600.00	\$ 600.00	\$ 2,000.00	\$ 2,000.	
Final Surface Restoration in Yard Areas, Including Fine Grading, work fully performed.	300	SY \$	16.17	\$ 8.50 \$	2,550.00	\$ 25.00 \$	7,500.00	\$ 15.00	\$ 4,500.00	\$ 5.00	\$ 1,500.	
St. Augustine Solid Sod to Match Existing Sod in Yard Areas, furnish and install, compleplace.	e in 300	SY \$	10.83	\$ 8.50 \$	2,550.00	\$ 16.00	4,800.00	\$ 8.00	\$ 2,400.00	\$ 5.00	\$ 1,500.	
Final Surface Restoration at 3641 Racquet Club Drive, Including But Not Limited To Fi Grading To Match Pre-Construction Topography, furnish and install, complete in place.	<b>e</b> 250	sy \$	17.50	\$ 8.50 \$	2,125.00	\$ 34.00	8,500.00	\$ 10.00	\$ 2,500.00	\$ 3.50	\$ 875.	
Total Bid Amount (Section I - Wastewater Improvements)				\$	366,845.00	•	460,403.00		\$ 566,640.00		\$ 381,494.	

	CITY OF GRAND PRAIRIE DATE: Tuesday, June 28, 2016				Г	RUMSEY CON	ISTRUCTION (DISQUALIFIED)	KIII	TZ CONSTRUCTION	ARK CONT	RACTING SERVICES	FNGINF	ER'S ESTIMATE
	DATE. Tuesday, outle 20, 2010				-	Bid Amount	Discording (Discording 2)	Bid Amount	12 CONCINCOTION	Bid Amount	CAOTING GENTIGES	Bid Amount	EN O EOTIMATE
NO.	DESCRIPTION	QUANTITY	UNIT	AVG. UNIT PRICE	<b>=</b>	UNIT PRICE (NUMBER ONLY)	EXTENDED PRICE (NUMBER ONLY)	UNIT PRICE (NUMBER ONLY)	EXTENDED PRICE (NUMBER ONLY)	UNIT PRICE (NUMBER ONLY)	EXTENDED PRICE (NUMBER ONLY)	UNIT PRICE (NUMBER ONLY)	EXTENDED PRICE (NUMBER ONLY)
	SECTION II - SLOPE REPAIRS								· · ·				
49	Unclassified Channel Excavation, work fully performed.	100	CY	\$ 3	39.17	\$ 45.00	\$ 4,500.00	\$ 27.50	\$ 2,750.00	\$ 45.00 \$	4,500.00	\$ 70.00 \$	7,000.00
50	Unclassified Channel Excavation for Slope Repairs and Gabions, work fully performed.	900	CY	\$ 2	25.83	\$ 25.00	\$ 22,500.00	\$ 27.50	\$ 24,750.00	\$ 25.00 \$	22,500.00	\$ 70.00 \$	63,000.00
51	Select Compacted Channel Fill, work fully performed as per details and specifications.	50	CY	\$ 5	6.00	\$ 65.00	\$ 3,250.00	\$ 28.00	\$ 1,400.00	\$ 75.00 \$	3,750.00	\$ 60.00 \$	3,000.00
52	Unclassified Excavation, work fully performed as per details and specifications.	100	CY	\$ 3	34.17	\$ 45.00	\$ 4,500.00	\$ 27.50	\$ 2,750.00	\$ 30.00 \$	3,000.00	\$ 50.00 \$	5,000.00
53	3'x3' Gabion Baskets With Filter Fabric and PVC Coated Basket Wire, furnish and install, complete in place.	235	CY	\$ 51	6.50	\$ 463.00	\$ 108,805.00	\$ 556.50	\$ 130,777.50	\$ 530.00 \$	124,550.00	\$ 250.00 \$	58,750.00
54	Manta Ray Anchors (or Approved Equal), Including Accessories Recommended by Manufacturer and Installed at a 4'x4' Spacing, furnish and install, complete and in place.	1	LS	\$ 94,00	00.00	\$ 12,000.00	\$ 12,000.00	\$ 90,000.00	\$ 90,000.00	\$ 180,000.00 \$	180,000.00	\$ 20,000.00 \$	20,000.00
55	Borrow for Select Fill, furnish and install, complete and in place.	1,100	CY	\$	30.33	\$ 28.00	\$ 30,800.00	\$ 28.00	\$ 30,800.00	\$ 35.00 \$	38,500.00	\$ 30.00 \$	33,000.00
56	Break Existing Concrete Debris on Slope Into 12" +/- Minimum Chunks for Gabion Toe Armoring, includes breaking of concrete, removal of rebar, and installation along toe of gabion wall, complete and in place.	20	CY	\$ 9	0.50	\$ 125.00	\$ 2,500.00	\$ 101.50	\$ 2,030.00	\$ 45.00 \$	900.00	\$ 20.00 \$	400.00
57	Rock Filter Dam Type II, furnish and install complete in place, including removal and disposal.	45	LF	\$	55.00	\$ 65.00	\$ 2,925.00	\$ 50.00	\$ 2,250.00	\$ 80.00 \$	3,600.00	\$ 50.00 \$	2,250.00
58	Rock Filter Dam Type III, furnish and install complete in place, including removal and disposal	. 90	LF	\$ 7	73.33	\$ 85.00	\$ 7,650.00	\$ 75.00	\$ 6,750.00	\$ 60.00 \$	5,400.00	\$ 60.00 \$	5,400.00
59	Remove and Replace Section of Concrete Flume Between 530 and 533 Sir Roland per standard details, including approximately 25 linear feet of monolithic concrete curb on north side of replacement section, furnish and install, complete in place per the details and specifications.	25	SY	\$ 18	33.33	\$ 225.00	\$ 5,625.00	\$ 175.00	\$ 4,375.00	\$ 150.00 \$	3,750.00	\$ 45.00 \$	1,125.00
60	Grouted 18" Rock Rip Rap (If Needed) for Gabion Tie-Ins to Existing Ground, furnish and install complete in place, including removal and disposal.	50	CY	\$ 19	99.00	\$ 165.00	\$ 8,250.00	\$ 302.00	\$ 15,100.00	\$ 130.00 \$	6,500.00	\$ 250.00 \$	12,500.00
61	18" to 24" Grouted Rock Rip Rap Adjacent to Concrete Overflow Structure Behind 533 Si Roland Drive, including filter fabric, furnish and install, complete in place per the details and specifications.		CY	\$ 19	99.00	\$ 165.00	\$ 6,600.00	\$ 302.00	\$ 12,080.00	\$ 130.00 \$	5,200.00	\$ 200.00 \$	8,000.00
62	24" Grouted Rock Rip Rap to Protect Slope Around Large Tree, including filter fabric, furnish and install, complete in place per the details and specifications.	30	CY	\$ 20	2.33	\$ 165.00	\$ 4,950.00	\$ 302.00	\$ 9,060.00	\$ 140.00 \$	4,200.00	\$ 250.00 \$	7,500.00
63	Extension of Existing 6" Corrugated Plastic Drain Pipe and 4" PVC Pipe at 524 Sir Roland Drive to Proposed Re-Graded Stope, including piping, appurtenances, and headwalls/outlets, turnish and install complete in place.		LF	\$ 2	22.67	\$ 25.00	\$ 625.00	\$ 23.00	\$ 575.00	\$ 20.00 \$	500.00	\$ 25.00 \$	625.00
64	Extension of Existing 6" Corrugated Plastic Drain Pipes 520 Sir Roland Drive to Back Fac of Rock Gabions, including piping, appurtenances, and attachment of drain pipes to back of rock gabion baskets, furnish and install complete in place.	<b>e</b> 35	LF	\$ 2	24.33	\$ 25.00	\$ 875.00	\$ 23.00	\$ 805.00	\$ 25.00 \$	875.00	\$ 35.00 \$	1,225.00
65	St. Augustine Solid Sod in All Disturbed Areas Outside of Yards, including grading, sod, fertilizer, watering, and maintenance, furnish and install.	800	SY	\$ 1	0.17	\$ 8.50	\$ 6,800.00	\$ 14.00	\$ 11,200.00	\$ 8.00 \$	6,400.00	\$ 5.00 \$	4,000.00
	Total Bid Amount (Section II - Slope Repairs)						\$ 233,155.00		\$ 347,452.50	\$	414,125.00	\$	232,775.00
	TOTAL PROJECT AN	IOUNT (Section	on I + Se	ection II)		<u> </u>	\$ 600,000.00		\$ 807.855.50	•	980.765.00	•	614,269,50
	The successful Bidder will be required to hold his bid for ninety (90) days.	1	1				000,000.00	<u> </u> 	<del>y</del> 501,033.30	Ψ	333,703.00	Ψ	017,203.30
	The Contractor shall agree to the number of calendar days specified, submit a Bid Bond with the completed Bid Items, and include all addenda in the Bid documents, otherwise the Bid will be considered NON-RESPONSIVE and will be rejected.												

# **REFERENCE CHECK**

### **Klutz Construction**

### Persons contacted:

Robert Suseda – City of Fort Worth – 682-432-5478 – Little Fossil Creek (left VM)

Keith Hamby – City of Arlington – 817-366-2703 – Abram Street

Mike Bennett – City of Fort Worth – 817-392-7891 – Burchill Channel Drainage

Quincy Jones – City of Fort Worth – 817-992-0873 – Tony's Creek (not a working number)

Robert Musgrave – Denton County – 903-422-6370 - Elm Bottom Circle (not a working number)

John Ward – TxDOT – 682-239-8344 – FM 1187 (left VM)

### Questions

What project was this contractor involved in?

**Abram Street – gabions, blockwall, structures** 

**Burchill Channel Drainage project and Arlington Heights inlet project** 

What was the role of the contractor in this project?

**Sub-contractor** 

**Sub-contractor** 

Did this contractor meet the project schedule?

Yes – they stay on schedule and ahead of the paving contractor

Yes – staying ahead of schedule on Arlington Heights project

Did the quality of workmanship from this contractor meet your expectations?

Yes – get a little pricey when it comes to change orders but nothing out of the ordinary

Yes – no issues at all

Did this contractor satisfactorily notify and coordinate with adjacent property owners as necessary for this project?

Yes

Yes

Would you hire this contractor again?

Yes

**Definitely** 

# **REFERENCE CHECK**

# **Ark Contracting**

# Persons contacted:

Heath Hasseloff – Town of Highland Park – 214-559-9468 (left VM)

James Essenmacher – City of Arlington – 817-323-8357 (left VM)

Joel McDowell – City of Dallas – 817-937-1714

David Johnson - City of Fort Worth - 817-223-2279

## Questions

What project was this contractor involved in?

78" RCCP pipe – river crossings, 20" water, 48" force main, 96" wastewater, valve replacements

Small water lines, medium and large sewer lines

What was the role of the contractor in this project?

Prime

Prime

Did this contractor meet the project schedule?

Never had an issue

They do their best – worked every day they could through the rainy months

Did the quality of workmanship from this contractor meet your expectations?
Excellent – really good with unconventional techniques such as sheet piling, etc.
Yes
Did this contractor satisfactorily notify and coordinate with adjacent property owners as necessary for this project?
Yes – keep worksites pretty clean, talking with homeowners before construction
Yes
Would you hire this contractor again?
Absolutely
Yes

### Evalution performed by: Craig Alexander - Project Manager/Design Engineer, City of G.P.

Evaluation Criteria	a		Weighting Value		
Rating Category	1	Proposed Contract Price	50	50.00	39.30
Rating Category	2	Experience of Proposer with Similar Projects	20	20.00	20.00
Rating Category	3	Experience and Qualifications of Proposed Key Personnel	12	12.00	9.00
Rating Category	4	Past Experience with the Owner	3	3.00	1.00
Rating Category	5	Proposed Schedule Reduction	5	0.00	0.00
Rating Category	6	Proposed Cost Savings	5	0.00	0.00
Rating Category	7	Proposed Subcontractors	5	5.00	5.00
		Evaluation Criteria	100	90.00	74.30

# Evalution performed by: Romin Khavari - City Engineer, City of G.P.

Evaluation Criteria	Weighting		
	Value		
Rating Category 1 Proposed Contract Price	50	50.00	39.30
Rating Category 2 Experience of Proposer with Similar Projects	20	19.00	18.00
Rating Category 3 Experience and Qualifications of Proposed Key Personnel	12	12.00	5.00
Rating Category 4 Past Experience with the Owner	3	3.00	1.00
Rating Category 5 Proposed Schedule Reduction	5	0.00	0.00
Rating Category 6 Proposed Cost Savings	5	0.00	0.00
Rating Category 7 Proposed Subcontractors	5	3.00	5.00
Evaluation Criteria	100	87.00	68.30

### Evalution performed by: George Fanous - Senior Civil Engineer, City of G.P.

Evaluation Criteria	Weighting Value		
Rating Category 1 Proposed Contract Price	50	50.00	39.30
Rating Category 2 Experience of Proposer with Similar Projects	20	17.00	20.00
Rating Category 3 Experience and Qualifications of Proposed Key Personnel	12	11.00	12.00
Rating Category 4 Past Experience with the Owner	3	2.00	0.00
Rating Category 5 Proposed Schedule Reduction	5	0.00	2.00
Rating Category 6 Proposed Cost Savings	5	0.00	0.00
Rating Category 7 Proposed Subcontractors	5	4.00	5.00
Evaluation Criteria	100	84.00	78.30

#### Evalution performed by: Ron McCuller - Director of Public Works, City of G.P.

Evaluation Criteria	Weighting Value		
Rating Category 1 Proposed Contract Price	50	50.00	39.30
Rating Category 2 Experience of Proposer with Similar Projects	20	18.00	20.00
Rating Category 3 Experience and Qualifications of Proposed Key Personnel	12	10.00	12.00
Rating Category 4 Past Experience with the Owner	3	3.00	3.00
Rating Category 5 Proposed Schedule Reduction	5	0.00	0.00
Rating Category 6 Proposed Cost Savings	5	0.00	0.00
Rating Category 7 Proposed Subcontractors	5	3.00	5.00
Evaluation Criteria	100	84.00	79.30

## Evalution performed by: Jim Siddall - Water Utilities Director, City of G.P.

Evaluation Criteria	Weighting Value		
Rating Category 1 Proposed Contract Price	50	50.00	39.30
Rating Category 2 Experience of Proposer with Similar Projects	20	20.00	20.00
Rating Category 3 Experience and Qualifications of Proposed Key Personnel	12	12.00	6.00
Rating Category 4 Past Experience with the Owner	3	3.00	3.00
Rating Category 5 Proposed Schedule Reduction	5	0.00	0.00
Rating Category 6 Proposed Cost Savings	5	0.00	0.00
Rating Category 7 Proposed Subcontractors	5	5.00	5.00
Evaluation Criteria	100	90.00	73.30

# Evalution performed by: Barry Walsh - Wastewater Utilities Crew Leader/Supervisor, City of G.P.

Evaluation Criteria	Weighting Value			
Rating Category 1 Proposed Contract Price	50	50.00	39.30	
Rating Category 2 Experience of Proposer with Similar Projects	20	20.00	20.00	
Rating Category 3 Experience and Qualifications of Proposed Key Personnel	12	12.00	8.00	
Rating Category 4 Past Experience with the Owner	3	3.00	3.00	
Rating Category 5 Proposed Schedule Reduction	5	0.00	0.00	
Rating Category 6 Proposed Cost Savings	5	0.00	0.00	
Rating Category 7 Proposed Subcontractors	5	5.00	5.00	
Evaluation Criteria	100	90.00	75.30	

## Evalution performed by: Doug Bevins - Chief Engineering Inspector, City of G.P.

Evaluation Criteria	Weighting Value		
Rating Category 1 Proposed Contract Price	50	50.00	39.30
Rating Category 2 Experience of Proposer with Similar Projects	20	20.00	20.00
Rating Category 3 Experience and Qualifications of Proposed Key Personnel	12	12.00	12.00
Rating Category 4 Past Experience with the Owner	3	3.00	1.50
Rating Category 5 Proposed Schedule Reduction	5	0.00	0.00
Rating Category 6 Proposed Cost Savings	5	0.00	0.00
Rating Category 7 Proposed Subcontractors	5	5.00	5.00
Evaluation Criteria	100	90.00	77.80

# Evalution performed by: Robert Barron - Senior Engineering Inspector, City of G.P.

Evaluation Criteria	Weighting Value		
Rating Category 1 Proposed Contract Price	50	50.00	39.30
Rating Category 2 Experience of Proposer with Similar Projects	20	20.00	20.00
Rating Category 3 Experience and Qualifications of Proposed Key Personnel	12	12.00	12.00
Rating Category 4 Past Experience with the Owner	3	1.50	1.50
Rating Category 5 Proposed Schedule Reduction	5	0.00	0.00
Rating Category 6 Proposed Cost Savings	5	0.00	0.00
Rating Category 7 Proposed Subcontractors	5	5.00	4.50
Evaluation Criteria	100	88.50	77.30

SCORE SUMMARY			
TOTAL SCORE		703.50	603.90
AVERAGE	8	87.94	75.49

Qualification Evaluation Summary Sheet.dax