

## FY 18 WATER &amp; WASTEWATER REPLACEMENTS W.O. # 618.110 &amp; 618.124

				ENGINEERS ESTIMATE		Excel 4		Canary Construction		Gra-Tex Utilities	
NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (NUMBER ONLY)	EXTENDED PRICE (NUMBER ONLY)	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price
SECTION I-A - SAN ANTONIO WATER LINE IMPROVEMENTS											
1	Barricading and traffic control, complete in place.	1	LS	\$ 7,000.00	\$ 7,000.00	\$ 5,000.00	\$ 5,000.00	\$ 1,230.00	\$ 1,230.00	\$ 1,000.00	\$ 1,000.00
2	Site preparation including mobilization, project signs, clearing and grubbing, structure removals and site cleaning, work fully performed as per specifications.	1	LS	\$ 45,000.00	\$ 45,000.00	\$ 3,500.00	\$ 3,500.00	\$ 1,544.00	\$ 1,544.00	\$ 2,500.00	\$ 2,500.00
3	Construction staking, work fully performed as per specifications, complete in place	1	LS	\$ 3,000.00	\$ 3,000.00	\$ 2,500.00	\$ 2,500.00	\$ 1,688.00	\$ 1,688.00	\$ 2,500.00	\$ 2,500.00
4	Concrete Truck Washout Area, furnish and install complete in place, as per details and specifications	1	EA	\$ 2,000.00	\$ 2,000.00	\$ 700.00	\$ 700.00	\$ 1,500.00	\$ 1,500.00	\$ 500.00	\$ 500.00
5	Maintain Residential Property Access, construct complete in place, work fully performed	1	LS	\$ 5,000.00	\$ 5,000.00	\$ 4,000.00	\$ 4,000.00	\$ 6,000.00	\$ 6,000.00	\$ 1,200.00	\$ 1,200.00
6	8" DR18 C900 PVC Water line, furnish and install by open cut, new complete in place, including embedment.	656	LF	\$ 60.00	\$ 39,360.00	\$ 52.00	\$ 34,112.00	\$ 70.00	\$ 45,920.00	\$ 52.00	\$ 34,112.00
7	8" DR14 C900 PVC Water line, furnish and install by bore, new complete in place.	222	LF	\$ 120.00	\$ 26,640.00	\$ 95.00	\$ 21,090.00	\$ 155.00	\$ 34,410.00	\$ 120.00	\$ 26,640.00
8	8" gate valve and box, remove old, furnish and install new complete in place.	4	EA	\$ 1,500.00	\$ 6,000.00	\$ 1,650.00	\$ 6,600.00	\$ 1,600.00	\$ 6,400.00	\$ 1,200.00	\$ 4,800.00
9	6" gate valve and box, remove old, furnish and install new complete in place.	1	EA	\$ 1,100.00	\$ 1,100.00	\$ 1,200.00	\$ 1,200.00	\$ 1,300.00	\$ 1,300.00	\$ 1,000.00	\$ 1,000.00
10	Cast Iron of Ductile Iron Fittings, including polywrap lining, furnish and install complete in place	1	TON	\$ 6,000.00	\$ 6,000.00	\$ 2,000.00	\$ 2,000.00	\$ 4,000.00	\$ 4,000.00	\$ 2,500.00	\$ 2,500.00
11	Concrete Encasement for 8" Water Line, furnish and install above, below, and around pipe	102	LF	\$ 33.00	\$ 3,366.00	\$ 60.00	\$ 6,120.00	\$ 60.00	\$ 6,120.00	\$ 65.00	\$ 6,630.00
12	Connect to Existing Water, furnish, work fully performed	3	EA	\$ 2,000.00	\$ 6,000.00	\$ 3,500.00	\$ 10,500.00	\$ 1,680.00	\$ 5,040.00	\$ 3,000.00	\$ 9,000.00
13	Sand for Pipe Embedment, furnish and install, as per details	67	CY	\$ 26.00	\$ 1,742.00	\$ 15.00	\$ 1,005.00	\$ 60.00	\$ 4,020.00	\$ 10.00	\$ 670.00
14	3/4" Short Water Service, furnish and install, including water meter relocation or adjustment if necessary, complete and in place	11	EA	\$ 800.00	\$ 8,800.00	\$ 550.00	\$ 6,050.00	\$ 600.00	\$ 6,600.00	\$ 600.00	\$ 6,600.00
15	3/4" Long Water Service, furnish and install, including water meter relocation or adjustment if necessary, complete and in place	12	EA	\$ 1,350.00	\$ 16,200.00	\$ 750.00	\$ 9,000.00	\$ 1,000.00	\$ 12,000.00	\$ 1,100.00	\$ 13,200.00
16	Cut, plug and abandon existing 6" water main, including plugs at all cuts for water service connections and flowable fill of sections of existing 6" water main to abandon in place, complete and in place, work fully performed.	850	LF	\$ 5.00	\$ 4,250.00	\$ 15.00	\$ 12,750.00	\$ 22.00	\$ 18,700.00	\$ 3.00	\$ 2,550.00
17	Water meter box, furnish and install complete and in place with fittings	23	EA	\$ 300.00	\$ 6,900.00	\$ 185.00	\$ 4,255.00	\$ 200.00	\$ 4,600.00	\$ 175.00	\$ 4,025.00
18	Fire Hydrant assembly, furnish and install complete and in place	2	EA	\$ 4,000.00	\$ 8,000.00	\$ 3,600.00	\$ 7,200.00	\$ 4,500.00	\$ 9,000.00	\$ 4,850.00	\$ 9,700.00
19	Trench safety, furnish and install, complete in place, including sheeting, shoring and bracing where required by OSHA Standards that are in effect at the time of bid opening.	656	LF	\$ 1.25	\$ 820.00	\$ 1.00	\$ 656.00	\$ 1.00	\$ 656.00	\$ 0.10	\$ 65.60
20	Silt fence, furnish and install complete in place as per NCTCOG details and specifications as directed by the engineer	656	LF	\$ 1.50	\$ 984.00	\$ 5.00	\$ 3,280.00	\$ 2.50	\$ 1,640.00	\$ 2.50	\$ 1,640.00
21	Inlet protection, furnish and install complete in place as per NCTCOG details and specifications as directed by the engineer	3	EA	\$ 150.00	\$ 450.00	\$ 300.00	\$ 900.00	\$ 200.00	\$ 600.00	\$ 250.00	\$ 750.00
22	Sawcut, remove, and replace existing reinforced concrete pavement (5" to 8" thick) with Asphalt Overlay, including curb and gutter, work fully performed.	34	SY	\$ 150.00	\$ 5,100.00	\$ 100.00	\$ 3,400.00	\$ 85.00	\$ 2,890.00	\$ 168.00	\$ 5,712.00
23	St. Augustine or Bermuda grass solid sod, furnish and install complete in place.	296	SY	\$ 8.00	\$ 2,368.00	\$ 6.00	\$ 1,776.00	\$ 8.00	\$ 2,368.00	\$ 10.00	\$ 2,960.00
24	4" 3000 PSI reinforced concrete sidewalk, REMOVE, furnish and install complete in place, as per specifications.	0	SF	\$ 26.00	\$ -	\$ -	\$ -	\$ 12.00	\$ -	\$ -	\$ -

DATE: 10/03/18

**FY 18 WATER & WASTEWATER REPLACEMENTS W.O. # 618.110 & 618.124**

				ENGINEERS ESTIMATE		Excel 4		Canary Construction		Gra-Tex Utilities	
NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (NUMBER ONLY)	EXTENDED PRICE (NUMBER ONLY)	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price
SECTION I-B - SAN ANTONIO WASTEWATER IMPROVEMENTS											
1	Barricading and traffic control, complete in place.	1	LS	\$ 3,500.00	\$ 3,500.00	\$ 5,000.00	\$ 5,000.00	\$ 2,800.00	\$ 2,800.00	\$ 1,000.00	\$ 1,000.00
2	Site preparation including mobilization, project signs, clearing and grubbing, structure removals and site cleaning, work fully performed as per specifications.	0	LS	\$ 15,000.00	\$ -		\$ -	\$ 6,500.00	\$ -	\$ -	\$ -
3	Construction staking, work fully performed as per specifications, compete in place	1	LS	\$ 3,000.00	\$ 3,000.00	\$ 2,600.00	\$ 2,600.00	\$ 3,100.00	\$ 3,100.00	\$ 2,500.00	\$ 2,500.00
4	Concrete Truck Washout Area, furnish and install complete in place, as per details and specifications	1	EA	\$ 2,000.00	\$ 2,000.00	\$ 700.00	\$ 700.00	\$ 1,500.00	\$ 1,500.00	\$ 500.00	\$ 500.00
5	Maintain Residential Property Access, construct complete in place, work fully performed	1	LS	\$ 5,000.00	\$ 5,000.00	\$ 4,000.00	\$ 4,000.00	\$ 6,000.00	\$ 6,000.00	\$ 1,500.00	\$ 1,500.00
6	4" PVC SDR 35 Wastewater service, remove old, furnish and install new complete in place, including embedment.	586	LF	\$ 30.00	\$ 17,580.00	\$ 35.00	\$ 20,510.00	\$ 70.00	\$ 41,020.00	\$ 45.00	\$ 26,370.00
7	4" Wastewater Service Reconnects (reinstatements), as per specifications, furnish and install complete and in place	23	EA	\$ 300.00	\$ 6,900.00	\$ 550.00	\$ 12,650.00	\$ 300.00	\$ 6,900.00	\$ 450.00	\$ 10,350.00
8	Cleanout- Standard Wastewater, furnish and install, Cast Iron for Traffic Areas and Polypropylene for Non-Traffic Areas, complete and in place	23	EA	\$ 175.00	\$ 4,025.00	\$ 75.00	\$ 1,725.00	\$ 900.00	\$ 20,700.00	\$ 300.00	\$ 6,900.00
9	8" PVC SDR 35 Wastewater line, remove old, furnish and install new complete in place, including embedment. BY OPEN CUT	935	LF	\$ 62.00	\$ 57,970.00	\$ 50.00	\$ 46,750.00	\$ 65.00	\$ 60,775.00	\$ 65.00	\$ 60,775.00
10	8" PVC SDR 35 Wastewater Line, remove old, furnish and install new complete in place, including pit and grouting. BY PIPE BORE	0	LF	\$ 150.00	\$ -	-	\$ -	\$ 155.00	\$ -	\$ -	\$ -
11	8" HDPE SDR 17 Wastewater line, furnish and install new complete in place, including pit. BY PIPE BURSTING	0	LF	\$ 150.00	\$ -	-	\$ -	\$ 118.00	\$ -	\$ -	\$ -
12	Cut, Plug, and Abandon Existing 6" Wasterwater Main in Place, including plugs at all cuts for wastewater service connections to proposed 8" Wastewater Main and flowable fill of sections of existing 6" Wastewater Main to abandon in place, complete and in place, work fully performed.	1	LS	\$ 6,000.00	\$ 6,000.00	\$ 500.00	\$ 500.00	\$ 4,000.00	\$ 4,000.00	\$ 3,000.00	\$ 3,000.00
13	Standard Type 4' Manhole, furnish and install, complete in place, as per specifications.	4	EA	\$ 4,500.00	\$ 18,000.00	\$ 4,500.00	\$ 18,000.00	\$ 4,000.00	\$ 16,000.00	\$ 4,950.00	\$ 19,800.00
14	5' Drop Manhole	0	EA	\$ 4,600.00	\$ -	-	\$ -	\$ -	\$ -	\$ -	\$ -
15	Extra Depth for WW Manhole	0	VF	\$ 210.00	\$ -	-	\$ -	\$ 350.00	\$ -	\$ -	\$ -
16	Concrete Encasement for 8" Wastewater Line, furnish and install above, below, and around pipe	20	LF	\$ 37.00	\$ 740.00	\$ 60.00	\$ 1,200.00	\$ 65.00	\$ 1,300.00	\$ 68.00	\$ 1,360.00
17	Concrete Encasement for 4" Wastewater Service Line, furnish and install above, below, and around pipe	60	LF	\$ 32.00	\$ 1,920.00	\$ 50.00	\$ 3,000.00	\$ 65.00	\$ 3,900.00	\$ 62.00	\$ 3,720.00
18	Crushed stone for Pipe Embedment, furnish and install, as per details	96	CY	\$ 26.00	\$ 2,496.00	\$ 45.00	\$ 4,320.00	\$ 55.00	\$ 5,280.00	\$ 40.00	\$ 3,840.00
19	Trench safety, furnish and install, complete in place, including sheeting, shoring and bracing where required by OSHA Standards that are in effect at the time of bid opening.	935	LF	\$ 1.25	\$ 1,168.75	\$ 1.00	\$ 935.00	\$ 1.00	\$ 935.00	\$ 1.00	\$ 935.00
20	Silt fence, furnish and install complete in place as per NCTCOG details and specifications as directed by the engineer	935	LF	\$ 1.50	\$ 1,402.50	\$ 6.00	\$ 5,610.00	\$ 2.50	\$ 2,337.50	\$ 3.00	\$ 2,805.00
21	Inlet protection, furnish and install complete in place as per NCTCOG details and specifications as directed by the engineer	3	EA	\$ 150.00	\$ 450.00	\$ 300.00	\$ 900.00	\$ 200.00	\$ 600.00	\$ 250.00	\$ 750.00
22	Sawcut, remove, and replace existing reinforced concrete pavement (5" to 8" thick) with new reinforced concrete pavement, including curb, work fully performed.	50	SY	\$ 150.00	\$ 7,500.00	\$ 100.00	\$ 5,000.00	\$ 85.00	\$ 4,250.00	\$ 169.00	\$ 8,450.00
23	Sawcut, remove, and replace existing HMAC pavement, replace with New HMAC repair section, including curb and gutter, work fully performed.	726	SY	\$ 150.00	\$ 108,900.00	\$ 60.00	\$ 43,560.00	\$ 85.00	\$ 61,710.00	\$ 165.00	\$ 119,790.00
24	Remove & Replace Existing concrete curb and gutter, sawcut and remove, work fully performed.	92	LF	\$ 14.00	\$ 1,288.00	\$ 25.00	\$ 2,300.00	\$ 75.00	\$ 6,900.00	\$ 42.00	\$ 3,864.00
25	Remove Existing WW Manhole and dispose of material in a legal manner	2	EA	\$ 450.00	\$ 900.00	\$ 500.00	\$ 1,000.00	\$ 900.00	\$ 1,800.00	\$ 1,000.00	\$ 2,000.00
26	Remove Existing WW Cleanout and dispose of in a legal manner.	24	EA	\$ 150.00	\$ 3,600.00	\$ 100.00	\$ 2,400.00	\$ 300.00	\$ 7,200.00	\$ 100.00	\$ 2,400.00
27	Remove and Replace Existing reinforced concrete sidewalk, sawcut and remove, work fully performed.	286	SF	\$ 26.00	\$ 7,436.00	\$ 6.00	\$ 1,716.00	\$ 8.00	\$ 2,288.00	\$ 53.00	\$ 15,158.00

DATE: 10/03/18

**FY 18 WATER & WASTEWATER REPLACEMENTS W.O. # 618.110 & 618.124**

				ENGINEERS ESTIMATE		Excel 4		Canary Construction		Gra-Tex Utilities	
NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE (NUMBER ONLY)	EXTENDED PRICE (NUMBER ONLY)	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price
28	St. Augustine or Bermuda grass solid sod, furnish and install complete in place.	41	SY	\$ 8.00	\$ 328.00	\$ 6.00	\$ 246.00	\$ 8.00	\$ 328.00	\$ 10.00	\$ 410.00
29	Shed Removal and Relocation, coordinate with property owner to relocate existing shed outside of easement to install service connections and manholes	0	EA	\$ 3,000.00	\$ -	-	\$ -	\$ 1,220.00	\$ -	\$ -	\$ -
30	Condition Survey, provide a condition survey for all properties within 50 feet of sanitary sewer centerline prior to beginning sewer construction and after construction.	1	EA	\$ 3,000.00	\$ 3,000.00	\$ 2,700.00	\$ 2,700.00	\$ 4,700.00	\$ 4,700.00	\$ 4,500.00	\$ 4,500.00
31	Exploratory TV survey, provide a televised inspetion video of all sanitary lines to determine location of all connections and manhole locations PRIOR to construction and Provide a televised Inspection video of all installed lines POST constuction	1	EA	\$ 3,000.00	\$ 3,000.00	\$ 1,500.00	\$ 1,500.00	\$ 6,500.00	\$ 6,500.00	\$ 2,500.00	\$ 2,500.00
	Total Bid Amount (Section I)				\$ 474,184.25	\$336,416.00		\$451,049.50		\$445,431.60	
SECTION II - CARRIER PL WASTEWATER IMPROVEMENTS											
1	Barricading and traffic control, complete in place.	0	LS	\$ 3,500.00	\$ -	\$ -	\$ -	\$ 4,200.00	\$ -	\$ -	\$ -
2	Site preparation including mobilization, project signs, clearing and grubbing, structure removals and site cleaning, work fully performed as per specifications.	1	LS	\$ 16,000.00	\$ 16,000.00	\$ 3,600.00	\$ 3,600.00	\$ 2,000.00	\$ 2,000.00	\$ 4,000.00	\$ 4,000.00
3	Construction staking, work fully performed as per specifications, compete in place	1	LS	\$ 3,000.00	\$ 3,000.00	\$ 700.00	\$ 700.00	\$ 1,544.00	\$ 1,544.00	\$ 2,500.00	\$ 2,500.00
4	Concrete Truck Washout Area, furnish and install complete in place, as per details and specifications	1	EA	\$ 2,000.00	\$ 2,000.00	\$ 700.00	\$ 700.00	\$ 1,500.00	\$ 1,500.00	\$ 500.00	\$ 500.00
5	Maintain Residential Property Access, construct complete in place, work fully performed	1	LS	\$ 5,000.00	\$ 5,000.00	\$ 4,000.00	\$ 4,000.00	\$ 6,000.00	\$ 6,000.00	\$ 4,500.00	\$ 4,500.00
6	4" PVC SDR 35 Wastewater service, remove old, furnish and install new complete in place, including embedment.	79	LF	\$ 30.00	\$ 2,370.00	\$ 35.00	\$ 2,765.00	\$ 75.00	\$ 5,925.00	\$ 45.00	\$ 3,555.00
7	4" Service Reinstatement for Pipe Bursting	11	EA	\$ 1,400.00	\$ 15,400.00	\$ 550.00	\$ 6,050.00	\$ 699.00	\$ 7,689.00	\$ 720.00	\$ 7,920.00
8	Cleanout- Standard Wastewater, furnish and install, Cast Iron for Traffic Areas and Polypropylene for Non-Traffic Areas, complete and in place	11	EA	\$ 175.00	\$ 1,925.00	\$ 75.00	\$ 825.00	\$ 1,100.00	\$ 12,100.00	\$ 100.00	\$ 1,100.00
9	8" PVC SDR 35 Wastewater line, remove old, furnish and install new complete in place, including embedment. BY OPEN CUT	48	LF	\$ 62.00	\$ 2,976.00	\$ 135.00	\$ 6,480.00	\$ 75.00	\$ 3,600.00	\$ 170.00	\$ 8,160.00
10	8" PVC SDR 35 Wastewater Line, remove old, furnish and install new complete in place, including pit and grouting. BY PIPE BORE	0	LF	\$ 150.00	\$ -	-	\$ -	\$ 155.00	\$ -	\$ -	\$ -
11	8" HDPE SDR 17 Wastewater line, furnish and install new complete in place, including pit. BY PIPE BURSTING	521	LF	\$ 150.00	\$ 78,150.00	\$ 63.00	\$ 32,823.00	\$ 118.00	\$ 61,478.00	\$ 85.00	\$ 44,285.00
12	Cut, Plug, and Abandon Existing 6" Wasterwater Main in Place, including plugs at all cuts for wastewater service connections to proposed 8" Wastewater Main and flowable fill of sections of existing 6" Wastewater Main to abandon in place, complete and in place, work fully performed.	0	LS	\$ 6,000.00	\$ -	-	\$ -	\$ 4,200.00	\$ -	\$ -	\$ -
13	Standard Type 4' Manhole, furnish and install, complete in place, as per specifications.	4	EA	\$ 4,500.00	\$ 18,000.00	\$ 4,500.00	\$ 18,000.00	\$ 4,000.00	\$ 16,000.00	\$ 5,300.00	\$ 21,200.00
14	5' Drop Manhole	0	EA	\$ 4,600.00	\$ -	-	\$ -	\$ 9,000.00	\$ -	\$ -	\$ -
15	Extra Depth for 4' Manhole	3	VF	\$ 210.00	\$ 630.00	\$ 150.00	\$ 450.00	\$ 270.00	\$ 810.00	\$ 175.00	\$ 525.00
16	Concrete Encasement for 8" Wastewater Line, furnish and install above, below, and around pipe	0	LF	\$ 37.00	\$ -	-	\$ -	\$ 65.00	\$ -	\$ -	\$ -
17	Concrete Encasement for 4" Wastewater Service Line, furnish and install above, below, and around pipe	0	LF	\$ 32.00	\$ -	-	\$ -	\$ 55.00	\$ -	\$ -	\$ -
18	Crushed Stone for Pipe Embedment, furnish and install, as per details	5	CY	\$ 26.00	\$ 130.00	\$ 45.00	\$ 225.00	\$ 55.00	\$ 275.00	\$ 50.00	\$ 250.00
19	Trench safety, furnish and install, complete in place, including sheeting, shoring and bracing where required by OSHA Standards that are in effect at the time of bid opening.	48	LF	\$ 1.25	\$ 60.00	\$ 1.00	\$ 48.00	\$ 1.00	\$ 48.00	\$ 10.00	\$ 480.00
20	Silt fence, furnish and install complete in place as per NCTCOG details and specifications as directed by the engineer	48	LF	\$ 1.50	\$ 72.00	\$ 6.00	\$ 288.00	\$ 2.50	\$ 120.00	\$ 6.00	\$ 288.00
21	Inlet protection, furnish and install complete in place as per NCTCOG details and specifications as directed by the engineer	3	EA	\$ 150.00	\$ 450.00	\$ 300.00	\$ 900.00	\$ 200.00	\$ 600.00	\$ 320.00	\$ 960.00
22	Sawcut, remove, and replace existing reinforced concrete pavement (5" to 8" thick) with Asphalt Overlay, including curb and gutter, work fully performed.	110	SY	\$ 150.00	\$ 16,500.00	\$ 100.00	\$ 11,000.00	\$ 85.00	\$ 9,350.00	\$ 165.00	\$ 18,150.00
23	Sawcut, remove, and replace existing HMAC pavement, replace with New HMAC repair section, including curb and gutter, work fully performed.	0	SY	\$ 150.00	\$ -	\$ -	\$ -	\$ 85.00	\$ -	\$ -	\$ -

DATE: 10/03/18

## FY 18 WATER &amp; WASTEWATER REPLACEMENTS W.O. # 618.110 &amp; 618.124

NO.	DESCRIPTION	QUANTITY	UNIT	ENGINEERS ESTIMATE		Excel 4		Canary Construction		Gra-Tex Utilities	
				UNIT PRICE (NUMBER ONLY)	EXTENDED PRICE (NUMBER ONLY)	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price
24	Remove & Replace Existing concrete curb and gutter, sawcut and remove, work fully performed.	0	LF	\$ 14.00	\$ -	\$ -	\$ -	\$ 75.00	\$ -	\$ -	\$ -
25	Remove Existing WW Manhole and dispose of material in a legal manner	2	EA	\$ 450.00	\$ 900.00	\$ 500.00	\$ 1,000.00	\$ 900.00	\$ 1,800.00	\$ 600.00	\$ 1,200.00
26	Remove Existing WW Cleanout and dispose of in a legal manner.	11	EA	\$ 150.00	\$ 1,650.00	\$ 100.00	\$ 1,100.00	\$ 300.00	\$ 3,300.00	\$ 100.00	\$ 1,100.00
27	Remove and Replace Existing reinforced concrete sidewalk, sawcut and remove, work fully performed.	0	SF	\$ 26.00	\$ -		\$ -	\$ 12.00	\$ -	\$ -	\$ -
28	St. Augustine or Bermuda grass solid sod, furnish and install complete in place.	36	SY	\$ 8.00	\$ 288.00	\$ 6.00	\$ 216.00	\$ 8.00	\$ 288.00	\$ 10.00	\$ 360.00
29	Shed Removal and Relocation, coordinate with property owner to relocate existing shed outside of easement to install service connections and manholes	2	EA	\$ 3,000.00	\$ 6,000.00	\$ 2,500.00	\$ 5,000.00	\$ 1,200.00	\$ 2,400.00	\$ 2,700.00	\$ 5,400.00
30	Condition Survey, provide a condition survey for all properties within 50 feet of sanitary sewer centerline prior to beginning sewer construction and after construction.	1	EA	\$ 3,000.00	\$ 3,000.00	\$ 1,600.00	\$ 1,600.00	\$ 3,000.00	\$ 3,000.00	\$ 2,200.00	\$ 2,200.00
31	Exploratory TV survey, provide a televised inspection video of all sanitary lines to determine location of all connections and manhole locations PRIOR to construction and Provide a televised Inspection video of all installed lines POST construction	1	EA	\$ 3,000.00	\$ 3,000.00	\$ 800.00	\$ 800.00	\$ 2,950.00	\$ 2,950.00	\$ 1,100.00	\$ 1,100.00
Total Bid Amount (Section II)					\$ 177,501.00		\$ 98,570.00		\$ 142,777.00		\$ 129,733.00
SECTION III - SW 5TH STREET WATER LINE IMPROVEMENTS											
1	Barricading and traffic control, complete in place.	1	LS	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 4,200.00	\$ 4,200.00	\$ 1,200.00	\$ 1,200.00
2	Site preparation including mobilization, project signs, clearing and grubbing, structure removals and site cleaning, work fully performed as per specifications.	1	LS	\$ 54,000.00	\$ 54,000.00	\$ 3,600.00	\$ 3,600.00	\$ 1,944.00	\$ 1,944.00	\$ 1,500.00	\$ 1,500.00
3	Construction staking, work fully performed as per specifications, compete in place	1	LS	\$ 3,000.00	\$ 3,000.00	\$ 7,100.00	\$ 7,100.00	\$ 2,185.00	\$ 2,185.00	\$ 2,500.00	\$ 2,500.00
4	Concrete Truck Washout Area, furnish and install complete in place, as per details and specifications	1	EA	\$ 2,000.00	\$ 2,000.00	\$ 700.00	\$ 700.00	\$ 1,500.00	\$ 1,500.00	\$ 500.00	\$ 500.00
5	Maintain Residential Property Access, construct complete in place, work fully performed	1	LS	\$ 5,000.00	\$ 5,000.00	\$ 4,000.00	\$ 4,000.00	\$ 6,000.00	\$ 6,000.00	\$ 1,500.00	\$ 1,500.00
6	8" DR18 C900 PVC Water line, furnish and install by open cut, new complete in place, including embedment.	1679	LF	\$ 60.00	\$ 100,740.00	\$ 52.00	\$ 87,308.00	\$ 60.00	\$ 100,740.00	\$ 54.00	\$ 90,666.00
7	8" DR14 C900 PVC Water line, furnish and install by bore, new complete in place.	816	LF	\$ 120.00	\$ 97,920.00	\$ 96.00	\$ 78,336.00	\$ 155.00	\$ 126,480.00	\$ 160.00	\$ 130,560.00
8	8" gate valve and box, remove old, furnish and install new complete in place.	14	EA	\$ 1,500.00	\$ 21,000.00	\$ 1,650.00	\$ 23,100.00	\$ 1,600.00	\$ 22,400.00	\$ 1,200.00	\$ 16,800.00
9	6" gate valve and box, remove old, furnish and install new complete in place.	4	EA	\$ 1,100.00	\$ 4,400.00	\$ 1,200.00	\$ 4,800.00	\$ 1,300.00	\$ 5,200.00	\$ 975.00	\$ 3,900.00
10	Cast Iron of Ductile Iron Fittings, including polywrap lining, furnish and install complete in place	1	TON	\$ 6,000.00	\$ 6,000.00	\$ 7,500.00	\$ 7,500.00	\$ 12,000.00	\$ 12,000.00	\$ 7,500.00	\$ 7,500.00
11	Concrete Encasement for 8" Water Line, furnish and install above, below, and around pipe	100	LF	\$ 33.00	\$ 3,300.00	\$ 60.00	\$ 6,000.00	\$ 65.00	\$ 6,500.00	\$ 68.00	\$ 6,800.00
12	Connect to Existing Water, furnish, work fully performed	8	EA	\$ 2,000.00	\$ 16,000.00	\$ 2,500.00	\$ 20,000.00	\$ 1,900.00	\$ 15,200.00	\$ 3,500.00	\$ 28,000.00
13	Sand for Pipe Embedment, furnish and install, as per details	173	CY	\$ 26.00	\$ 4,498.00	\$ 15.00	\$ 2,595.00	\$ 50.00	\$ 8,650.00	\$ 15.00	\$ 2,595.00
14	3/4" Short Water Service, furnish and install, including water meter relocation or adjustment if necessary, complete and in place	26	EA	\$ 800.00	\$ 20,800.00	\$ 550.00	\$ 14,300.00	\$ 600.00	\$ 15,600.00	\$ 750.00	\$ 19,500.00
15	3/4" Long Water Service, furnish and install, including water meter relocation or adjustment if necessary, complete and in place	31	EA	\$ 1,350.00	\$ 41,850.00	\$ 750.00	\$ 23,250.00	\$ 1,000.00	\$ 31,000.00	\$ 975.00	\$ 30,225.00
16	Cut, plug and abandon existing 6" water main, including plugs at all cuts for water service connections and flowable fill of sections of existing 6" water main to abandon in place, complete and in place, work fully performed.	2050	LF	\$ 5.00	\$ 10,250.00	\$ 15.00	\$ 30,750.00	\$ 22.00	\$ 45,100.00	\$ 3.00	\$ 6,150.00
17	Water meter box, furnish and install complete and in place with fittings	57	EA	\$ 300.00	\$ 17,100.00	\$ 185.00	\$ 10,545.00	\$ 200.00	\$ 11,400.00	\$ 175.00	\$ 9,975.00
18	Fire Hydrant assembly, furnish and install complete and in place	4	EA	\$ 4,000.00	\$ 16,000.00	\$ 3,600.00	\$ 14,400.00	\$ 4,500.00	\$ 18,000.00	\$ 4,900.00	\$ 19,600.00
19	Trench safety, furnish and install, complete in place, including sheeting, shoring and bracing where required by OSHA Standards that are in effect at the time of bid opening.	1679	LF	\$ 1.25	\$ 2,098.75	\$ 1.00	\$ 1,679.00	\$ 1.00	\$ 1,679.00	\$ 1.00	\$ 1,679.00
20	Silt fence, furnish and install complete in place as per NCTCOG details and specifications as directed by the engineer	1679	LF	\$ 1.50	\$ 2,518.50	\$ 3.00	\$ 5,037.00	\$ 2.50	\$ 4,197.50	\$ 3.00	\$ 5,037.00
21	Inlet protection, furnish and install complete in place as per NCTCOG details and specifications as directed by the engineer	3	EA	\$ 150.00	\$ 450.00	\$ 300.00	\$ 900.00	\$ 200.00	\$ 600.00	\$ 250.00	\$ 750.00

DATE: 10/03/18

**FY 18 WATER & WASTEWATER REPLACEMENTS W.O. # 618.110 & 618.124**

NO.	DESCRIPTION	QUANTITY	UNIT	ENGINEERS ESTIMATE		Excel 4		Canary Construction		Gra-Tex Utilities	
				UNIT PRICE (NUMBER ONLY)	EXTENDED PRICE (NUMBER ONLY)	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price
22	Sawcut, remove, and replace existing reinforced concrete pavement (5" to 8" thick) with Asphalt Overlay, including curb and gutter, work fully performed.	142	SY	\$ 150.00	\$ 21,300.00	\$ 100.00	\$ 14,200.00	\$ 85.00	\$ 12,070.00	\$ 168.00	\$ 23,856.00
23	St. Augustine or Bermuda grass solid sod, furnish and install complete in place.	2126	SY	\$ 8.00	\$ 17,008.00	\$ 6.00	\$ 12,756.00	\$ 8.00	\$ 17,008.00	\$ 10.00	\$ 21,260.00
24	4" 3000 PSI reinforced concrete sidewalk, REMOVE, furnish and install complete in place, as per specifications.	66	SF	\$ 26.00	\$ 1,716.00	\$ 6.00	\$ 396.00	\$ 12.00	\$ 792.00	\$ 53.00	\$ 3,498.00
	<b>Total Bid Amount (Section III)</b>				\$ 473,949.25		\$ 378,252.00		\$ 470,445.50		\$ 435,551.00
<b>SECTION IV - NE 15th STREET WASTEWATER IMPROVEMENTS</b>											
1	Barricading and traffic control, complete in place.	1	LS	\$ 3,500.00	\$ 3,500.00	\$ 5,000.00	\$ 5,000.00	\$ 600.00	\$ 600.00	\$ 3,000.00	\$ 3,000.00
2	Site preparation including mobilization, project signs, clearing and grubbing, structure removals and site cleaning, work fully performed as per specifications.	1	LS	\$ 17,000.00	\$ 17,000.00	\$ 3,600.00	\$ 3,600.00	\$ 600.00	\$ 600.00	\$ 2,500.00	\$ 2,500.00
3	Construction staking, work fully performed as per specifications, complete in place	1	LS	\$ 3,000.00	\$ 3,000.00	\$ 1,600.00	\$ 1,600.00	\$ 950.00	\$ 950.00	\$ 2,900.00	\$ 2,900.00
4	Concrete Truck Washout Area, furnish and install complete in place, as per details and specifications	1	EA	\$ 2,000.00	\$ 2,000.00	\$ 700.00	\$ 700.00	\$ 250.00	\$ 250.00	\$ 500.00	\$ 500.00
5	Maintain Residential Property Access, construct complete in place, work fully performed	1	LS	\$ 5,000.00	\$ 5,000.00	\$ 4,000.00	\$ 4,000.00	\$ 1,200.00	\$ 1,200.00	\$ 1,500.00	\$ 1,500.00
6	4" PVC SDR 35 Wastewater service, remove old, furnish and install new complete in place, including embedment.	49	LF	\$ 30.00	\$ 1,470.00	\$ 35.00	\$ 1,715.00	\$ 75.00	\$ 3,675.00	\$ 45.00	\$ 2,205.00
7	4" Wastewater Service Reconnects (reinstallments), as per specifications, furnish and install complete and in place	2	EA	\$ 300.00	\$ 600.00	\$ 550.00	\$ 1,100.00	\$ 520.00	\$ 1,040.00	\$ 350.00	\$ 700.00
8	Cleanout- Standard Wastewater, furnish and install, Cast Iron for Traffic Areas and Polypropylene for Non-Traffic Areas, complete and in place	2	EA	\$ 175.00	\$ 350.00	\$ 75.00	\$ 150.00	\$ 650.00	\$ 1,300.00	\$ 250.00	\$ 500.00
9	8" PVC SDR 35 Wastewater line, remove old, furnish and install new complete in place, including embedment. BY OPEN CUT	429	LF	\$ 62.00	\$ 26,598.00	\$ 50.00	\$ 21,450.00	\$ 90.00	\$ 38,610.00	\$ 120.00	\$ 51,480.00
10	8" PVC SDR 35 Wastewater Line, remove old, furnish and install new complete in place, including pit and grouting. BY PIPE BORE	131	LF	\$ 150.00	\$ 19,650.00	\$ 395.00	\$ 51,745.00	\$ 220.00	\$ 28,820.00	\$ 320.00	\$ 41,920.00
11	8" HDPE SDR 17 Wastewater line, furnish and install new complete in place, including pit. BY PIPE BURSTING	0	LF	\$ -	\$ -	\$ -	\$ -	\$ 118.00	\$ -	\$ -	\$ -
12	Cut, Plug, and Abandon Existing 6" Wastewater Main in Place, including plugs at all cuts for wastewater service connections to proposed 8" Wastewater Main and flowable fill of sections of existing 6" Wastewater Main to abandon in place, complete and in place, work fully performed.	1	LS	\$ 6,000.00	\$ 6,000.00	\$ 500.00	\$ 500.00	\$ 4,000.00	\$ 4,000.00	\$ 3,500.00	\$ 3,500.00
13	Standard Type 5' Manhole, furnish and install, complete in place, as per specifications.	6	EA	\$ 4,500.00	\$ 27,000.00	\$ 6,000.00	\$ 36,000.00	\$ 6,500.00	\$ 39,000.00	\$ 5,900.00	\$ 35,400.00
14	5' Drop Manhole	2	EA	\$ 4,600.00	\$ 9,200.00	\$ 7,100.00	\$ 14,200.00	\$ 8,000.00	\$ 16,000.00	\$ 7,500.00	\$ 15,000.00
15	Extra Depth for 5' Manhole	26	VF	\$ 210.00	\$ 5,460.00	\$ 250.00	\$ 6,500.00	\$ 350.00	\$ 9,100.00	\$ 250.00	\$ 6,500.00
16	Concrete Encasement for 8" Wastewater Line, furnish and install above, below, and around pipe	9	LF	\$ 37.00	\$ 333.00	\$ 60.00	\$ 540.00	\$ 65.00	\$ 585.00	\$ 68.00	\$ 612.00
17	Concrete Encasement for 4" Wastewater Service Line, furnish and install above, below, and around pipe	0	LF	\$ 32.00	\$ -	\$ -	\$ -	\$ 65.00	\$ -	\$ -	\$ -
18	Crushed Stone for Pipe Embedment, furnish and install, as per details	44	CY	\$ 26.00	\$ 1,144.00	\$ 45.00	\$ 1,980.00	\$ 55.00	\$ 2,420.00	\$ 45.00	\$ 1,980.00
19	Trench safety, furnish and install, complete in place, including sheeting, shoring and bracing where required by OSHA Standards that are in effect at the time of bid opening.	429	LF	\$ 1.25	\$ 536.25	\$ 1.00	\$ 429.00	\$ 1.00	\$ 429.00	\$ 1.00	\$ 429.00
20	Silt fence, furnish and install complete in place as per NCTCOG details and specifications as directed by the engineer	429	LF	\$ 1.50	\$ 643.50	\$ 3.00	\$ 1,287.00	\$ 2.50	\$ 1,072.50	\$ 3.00	\$ 1,287.00
21	Inlet protection, furnish and install complete in place as per NCTCOG details and specifications as directed by the engineer	3	EA	\$ 150.00	\$ 450.00	\$ 300.00	\$ 900.00	\$ 200.00	\$ 600.00	\$ 250.00	\$ 750.00
22	Sawcut, remove, and replace existing reinforced concrete pavement (5" to 8" thick) with Asphalt Overlay, including curb and gutter, work fully performed.	364	SY	\$ 150.00	\$ 54,600.00	\$ 100.00	\$ 36,400.00	\$ 85.00	\$ 30,940.00	\$ 169.00	\$ 61,516.00

DATE: 10/03/18

**FY 18 WATER & WASTEWATER REPLACEMENTS W.O. # 618.110 & 618.124**

NO.	DESCRIPTION	QUANTITY	UNIT	ENGINEERS ESTIMATE		Excel 4		Canary Construction		Gra-Tex Utilities	
				UNIT PRICE (NUMBER ONLY)	EXTENDED PRICE (NUMBER ONLY)	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price
23	Sawcut, remove, and replace existing HMAc pavement, replace with New HMAc repair section, including curb and gutter, work fully performed.	0	SY	\$ 150.00	\$ -	\$ -	\$ -	\$ 85.00	\$ -	\$ -	\$ -
24	Remove & Replace Existing concrete curb and gutter, sawcut and remove, work fully performed.	0	LF	\$ 14.00	\$ -	\$ -	\$ -	\$ 75.00	\$ -	\$ -	\$ -
25	Remove Existing WW Manhole and dispose of material in a legal manner	2	EA	\$ 450.00	\$ 900.00	\$ 500.00	\$ 1,000.00	\$ 900.00	\$ 1,800.00	\$ 800.00	\$ 1,600.00
26	Remove Existing WW Cleanout and dispose of in a legal manner.	2	EA	\$ 150.00	\$ 300.00	\$ 100.00	\$ 200.00	\$ 300.00	\$ 600.00	\$ 100.00	\$ 200.00
27	Remove and Replace Existing reinforced concrete sidewalk, sawcut and remove, work fully performed.	0	SF	\$ 26.00	\$ -	\$ -	\$ -	\$ 12.00	\$ -	\$ -	\$ -
28	St. Augustine or Bermuda grass solid sod, furnish and install complete in place.	7	SY	\$ 8.00	\$ 56.00	\$ 50.00	\$ 350.00	\$ 8.00	\$ 56.00	\$ 10.00	\$ 70.00
29	Shed Removal and Relocation, coordinate with property owner to relocate existing shed outside of easement to install service connections and manholes	0	EA	\$ 3,000.00	\$ -	\$ -	\$ -	\$ 1,560.00	\$ -	\$ -	\$ -
30	Condition Survey, provide a condition survey for all properties within 50 feet of sanitary sewer centerline prior to beginning sewer construction and after construction.	1	EA	\$ 3,000.00	\$ 3,000.00	\$ 1,200.00	\$ 1,200.00	\$ 3,200.00	\$ 3,200.00	\$ 2,500.00	\$ 2,500.00
31	Exploratory TV survey, provide a televised inspection video of all sanitary lines to determine location of all connections and manhole locations PRIOR to construction and Provide a televised Inspection video of all installed lines POST construction	1	EA	\$ 3,000.00	\$ 3,000.00	\$ 600.00	\$ 600.00	\$ 2,455.00	\$ 2,455.00	\$ 1,500.00	\$ 1,500.00
Total Bid Amount (Section IV)					\$ 191,790.75		\$ 193,146.00		\$ 189,302.50		\$ 240,049.00
<b>SECTION V - FINLAND AVE WASTEWATER IMPROVEMENTS</b>											
1	Barricading and traffic control, complete in place.	1	LS	\$ 3,500.00	\$ 3,500.00	\$ 5,000.00	\$ 5,000.00	\$ 1,555.00	\$ 1,555.00	\$ 1,000.00	\$ 1,000.00
2	Site preparation including mobilization, project signs, clearing and grubbing, structure removals and site cleaning, work fully performed as per specifications.	1	LS	\$ 20,000.00	\$ 20,000.00	\$ 3,600.00	\$ 3,600.00	\$ 900.00	\$ 900.00	\$ 3,900.00	\$ 3,900.00
3	Construction staking, work fully performed as per specifications, complete in place	1	LS	\$ 3,000.00	\$ 3,000.00	\$ 750.00	\$ 750.00	\$ 1,230.00	\$ 1,230.00	\$ 500.00	\$ 500.00
4	Concrete Truck Washout Area, furnish and install complete in place, as per details and specifications	1	EA	\$ 2,000.00	\$ 2,000.00	\$ 700.00	\$ 700.00	\$ 900.00	\$ 900.00	\$ 500.00	\$ 500.00
5	Maintain Residential Property Access, construct complete in place, work fully performed	1	LS	\$ 5,000.00	\$ 5,000.00	\$ 4,000.00	\$ 4,000.00	\$ 6,000.00	\$ 6,000.00	\$ 4,200.00	\$ 4,200.00
6	4" PVC SDR 35 Wastewater service, remove old, furnish and install new complete in place, including embedment.	0	LF	\$ 30.00	\$ -	\$ -	\$ -	\$ 75.00	\$ -	\$ -	\$ -
7	4" Service Reinstatement for Pipe Bursting	0	EA	\$ 1,400.00	\$ -	\$ -	\$ -	\$ 650.00	\$ -	\$ -	\$ -
8	Cleanout- Standard Wastewater, furnish and install, Cast Iron for Traffic Areas and Polypropylene for Non-Traffic Areas, complete and in place	0	EA	\$ 175.00	\$ -	\$ -	\$ -	\$ 900.00	\$ -	\$ -	\$ -
9	8" PVC SDR 35 Wastewater line, remove old, furnish and install new complete in place, including embedment. BY OPEN CUT	32	LF	\$ 62.00	\$ 1,984.00	\$ 120.00	\$ 3,840.00	\$ 95.00	\$ 3,040.00	\$ 155.00	\$ 4,960.00
10	8" PVC SDR 35 Wastewater Line, remove old, furnish and install new complete in place, including pit and grouting. BY PIPE BORE	0	LF	\$ 150.00	\$ -	\$ -	\$ -	\$ 165.00	\$ -	\$ -	\$ -
11	8" HDPE SDR 17 Wastewater line, furnish and install new complete in place, including pit. BY PIPE BURSTING	322	LF	\$ 150.00	\$ 48,300.00	\$ 62.00	\$ 19,964.00	\$ 118.00	\$ 37,996.00	\$ 75.00	\$ 24,150.00
12	Cut, Plug, and Abandon Existing 6" Wastewater Main in Place, including plugs at all cuts for wastewater service connections to proposed 8" Wastewater Main and flowable fill of sections of existing 6" Wastewater Main to abandon in place, complete and in place, work fully performed.	0	LS	\$ 6,000.00	\$ -	\$ -	\$ -	\$ 4,000.00	\$ -	\$ -	\$ -
13	Standard Type 4' Manhole, furnish and install, complete in place, as per specifications.	5	EA	\$ 3,500.00	\$ 17,500.00	\$ 4,200.00	\$ 21,000.00	\$ 4,000.00	\$ 20,000.00	\$ 5,300.00	\$ 26,500.00
14	5' Drop Manhole	0	EA	\$ 4,600.00	\$ -	\$ -	\$ -	\$ 8,000.00	\$ -	\$ -	\$ -
15	Extra Depth for 4' Manhole	7	VF	\$ 210.00	\$ 1,470.00	\$ 125.00	\$ 875.00	\$ 260.00	\$ 1,820.00	\$ 175.00	\$ 1,225.00
16	Concrete Encasement for 8" Wastewater Line, furnish and install above, below, and around pipe	35	LF	\$ 210.00	\$ 7,350.00	\$ 60.00	\$ 2,100.00	\$ 65.00	\$ 2,275.00	\$ 69.00	\$ 2,415.00
17	Concrete Encasement for 4" Wastewater Service Line, furnish and install above, below, and around pipe	0	LF	\$ 37.00	\$ -	\$ -	\$ -	\$ 60.00	\$ -	\$ -	\$ -
18	Crushed Stone for Pipe Embedment, furnish and install, as per details	3	CY	\$ 26.00	\$ 78.00	\$ 45.00	\$ 135.00	\$ 55.00	\$ 165.00	\$ 48.00	\$ 144.00
19	Trench safety, furnish and install, complete in place, including sheeting, shoring and bracing where required by OSHA Standards that are in effect at the time of bid opening.	32	LF	\$ 1.25	\$ 40.00	\$ 25.00	\$ 800.00	\$ 1.00	\$ 32.00	\$ 25.00	\$ 800.00

DATE: 10/03/18

**FY 18 WATER & WASTEWATER REPLACEMENTS W.O. # 618.110 & 618.124**

NO.	DESCRIPTION	QUANTITY	UNIT	ENGINEERS ESTIMATE		Excel 4		Canary Construction		Gra-Tex Utilities	
				UNIT PRICE (NUMBER ONLY)	EXTENDED PRICE (NUMBER ONLY)	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price
20	Silt fence, furnish and install complete in place as per NCTCOG details and specifications as directed by the engineer	32	LF	\$ 1.50	\$ 48.00	\$ 50.00	\$ 1,600.00	\$ 2.50	\$ 80.00	\$ 52.00	\$ 1,664.00
21	Inlet protection, furnish and install complete in place as per NCTCOG details and specifications as directed by the engineer	3	EA	\$ 150.00	\$ 450.00	\$ 300.00	\$ 900.00	\$ 200.00	\$ 600.00	\$ 320.00	\$ 960.00
22	Sawcut, remove, and replace existing HMAc pavement (5" to 8" thick) with Asphalt Pavement repair, including curb and gutter, work fully performed.	668	SY	\$ 150.00	\$ 100,200.00	\$ 100.00	\$ 66,800.00	\$ 85.00	\$ 56,780.00	\$ 169.00	\$ 112,892.00
23	Sawcut, remove, and replace existing HMAc pavement, replace with New HMAc repair section, including curb and gutter, work fully performed.	0	SY	\$ 150.00	\$ -	\$ -	\$ -	\$ 85.00	\$ -	\$ -	\$ -
24	Remove & Replace Existing concrete curb and gutter, sawcut and remove, work fully performed.	3	LF	\$ 14.00	\$ 42.00	\$ 25.00	\$ 75.00	\$ 75.00	\$ 225.00	\$ 46.00	\$ 138.00
25	Remove Existing WW Manhole and dispose of material in a legal manner	3	EA	\$ 450.00	\$ 1,350.00	\$ 500.00	\$ 1,500.00	\$ 900.00	\$ 2,700.00	\$ 800.00	\$ 2,400.00
26	Remove Existing WW Cleanout and dispose of in a legal manner.	0	EA	\$ 150.00	\$ -	\$ -	\$ -	\$ 300.00	\$ -	\$ -	\$ -
27	Remove and Replace Existing reinforced concrete sidewalk, sawcut and remove, work fully performed.	465	SF	\$ 26.00	\$ 12,090.00	\$ 6.00	\$ 2,790.00	\$ 8.00	\$ 3,720.00	\$ 53.00	\$ 24,645.00
28	St. Augustine or Bermuda grass solid sod, furnish and install complete in place.	0	SY	\$ 8.00	\$ -	\$ -	\$ -	\$ 8.00	\$ -	\$ -	\$ -
29	Shed Removal and Relocation, coordinate with property owner to relocate existing shed outside of easement to install service connections and manholes	0	EA	\$ 3,000.00	\$ -	\$ -	\$ -	\$ 1,520.00	\$ -	\$ -	\$ -
30	Condition Survey, provide a condition survey for all properties within 50 feet of sanitary sewer centerline prior to beginning sewer construction and after construction.	1	EA	\$ 3,000.00	\$ 3,000.00	\$ 915.00	\$ 915.00	\$ 3,000.00	\$ 3,000.00	\$ 2,500.00	\$ 2,500.00
31	Exploratory TV survey, provide a televised inspection video of all sanitary lines to determine location of all connections and manhole locations PRIOR to construction and Provide a televised Inspection video of all installed lines POST construction	1	EA	\$ 3,000.00	\$ 3,000.00	\$ 500.00	\$ 500.00	\$ 2,874.00	\$ 143,018.00	\$ 1,500.00	\$ 1,500.00
Total Bid Amount (Section V)					\$ 230,402.00		\$ 137,844.00		\$ 286,036.00		\$ 216,993.00
<b>SECTION VI - GREAT SOUTHWEST PARKWAY WASTEWATER IMPROVEMENTS</b>											
1	Barricading and traffic control, complete in place.	1	LS	\$ 7,000.00	\$ 7,000.00	\$ 5,000.00	\$ 5,000.00	\$ 1,300.00	\$ 1,300.00	\$ 4,000.00	\$ 4,000.00
2	Site preparation including mobilization, project signs, clearing and grubbing, structure removals and site cleaning, work fully performed as per specifications.	1	LS	\$ 18,000.00	\$ 18,000.00	\$ 3,600.00	\$ 3,600.00	\$ 1,640.00	\$ 1,640.00	\$ 4,500.00	\$ 4,500.00
3	Construction staking, work fully performed as per specifications, complete in place	1	LS	\$ 3,000.00	\$ 3,000.00	\$ 750.00	\$ 750.00	\$ 988.00	\$ 988.00	\$ 500.00	\$ 500.00
4	Concrete Truck Washout Area, furnish and install complete in place, as per details and specifications	1	EA	\$ 2,000.00	\$ 2,000.00	\$ 700.00	\$ 700.00	\$ 650.00	\$ 650.00	\$ 500.00	\$ 500.00
5	Maintain Residential Property Access, construct complete in place, work fully performed	1	LS	\$ 3,000.00	\$ 3,000.00	\$ 4,000.00	\$ 4,000.00	\$ 4,000.00	\$ 4,000.00	\$ 4,300.00	\$ 4,300.00
6	4" PVC SDR 35 Wastewater service, remove old, furnish and install new complete in place, including embedment.	0	LF	\$ 30.00	\$ -	\$ -	\$ -	\$ 75.00	\$ -	\$ -	\$ -
7	4" Wastewater Service Reconnects (reinstatements), as per specifications, furnish and install complete and in place	0	EA	\$ 300.00	\$ -	\$ -	\$ -	\$ 650.00	\$ -	\$ -	\$ -
8	Cleanout- Standard Wastewater, furnish and install, Cast Iron for Traffic Areas and Polypropylene for Non-Traffic Areas, complete and in place	0	EA	\$ 175.00	\$ -	\$ -	\$ -	\$ 900.00	\$ -	\$ -	\$ -
9	8" PVC SDR 35 Wastewater line, remove old, furnish and install new complete in place, including embedment. BY OPEN CUT	102	LF	\$ 62.00	\$ 6,324.00	\$ 95.00	\$ 9,690.00	\$ 75.00	\$ 7,650.00	\$ 125.00	\$ 12,750.00
10	8" PVC SDR 35 Wastewater Line, remove old, furnish and install new complete in place, including pit and grouting. BY PIPE BORE	0	LF	\$ 150.00	\$ -	\$ -	\$ -	\$ 165.00	\$ -	\$ -	\$ -
11	8" HDPE SDR 17 Wastewater line, furnish and install new complete in place, including pit. BY PIPE BURSTING	604	LF	\$ 150.00	\$ 90,600.00	\$ 60.00	\$ 36,240.00	\$ 118.00	\$ 71,272.00	\$ 80.00	\$ 48,320.00

DATE: 10/03/18

**FY 18 WATER & WASTEWATER REPLACEMENTS W.O. # 618.110 & 618.124**

NO.	DESCRIPTION	QUANTITY	UNIT	ENGINEERS ESTIMATE		Excel 4		Canary Construction		Gra-Tex Utilities	
				UNIT PRICE (NUMBER ONLY)	EXTENDED PRICE (NUMBER ONLY)	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price
12	Cut, Plug, and Abandon Existing 6" Wasterwater Main in Place, including plugs at all cuts for wastewater service connections to proposed 8" Wastewater Main and flowable fill of sections of existing 6" Wastewater Main to abandon in place, complete and in place, work fully performed.	1	LS	\$ 6,000.00	\$ 6,000.00	\$ 500.00	\$ 500.00	\$ 3,200.00	\$ 3,200.00	\$ 750.00	\$ 750.00
13	Standard Type 4' Manhole, furnish and install, complete in place, as per specifications.	4	EA	\$ 4,500.00	\$ 18,000.00	\$ 4,200.00	\$ 16,800.00	\$ 4,000.00	\$ 16,000.00	\$ 5,300.00	\$ 21,200.00
14	5' Drop Manhole	0	EA	\$ 4,600.00	\$ -	\$ -	\$ -	\$ 9,000.00	\$ -	\$ -	\$ -
15	Extra Depth for 4' Manhole	0	VF	\$ 210.00	\$ -	\$ -	\$ -	\$ 260.00	\$ -	\$ -	\$ -
16	Concrete Encasement for 8" Wastewater Line, furnish and install above, below, and around pipe	0	LF	\$ 37.00	\$ -	\$ -	\$ -	\$ 65.00	\$ -	\$ -	\$ -
17	Concrete Encasement for 4" Wastewater Service Line, furnish and install above, below, and around pipe	0	LF	\$ 32.00	\$ -	\$ -	\$ -	\$ 60.00	\$ -	\$ -	\$ -
18	Crushed Stone for Pipe Embedment, furnish and install, as per details	10	CY	\$ 26.00	\$ 260.00	\$ 45.00	\$ 450.00	\$ 55.00	\$ 550.00	\$ 48.00	\$ 480.00
19	Trench safety, furnish and install, complete in place, including sheeting, shoring and bracing where required by OSHA Standards that are in effect at the time of bid opening.	102	LF	\$ 1.25	\$ 127.50	\$ 1.00	\$ 102.00	\$ 1.00	\$ 102.00	\$ 6.00	\$ 612.00
20	Silt fence, furnish and install complete in place as per NCTCOG details and specifications as directed by the engineer	102	LF	\$ 1.50	\$ 153.00	\$ 6.00	\$ 612.00	\$ 2.50	\$ 255.00	\$ 7.00	\$ 714.00
21	Inlet protection, furnish and install complete in place as per NCTCOG details and specifications as directed by the engineer	3	EA	\$ 150.00	\$ 450.00	\$ 300.00	\$ 900.00	\$ 200.00	\$ 600.00	\$ 320.00	\$ 960.00
22	Sawcut, remove, and replace existing reinforced concrete pavement (5" to 8" thick) with Asphalt Overlay, including curb and gutter, work fully performed.	46	SY	\$ 150.00	\$ 6,900.00	\$ 100.00	\$ 4,600.00	\$ 85.00	\$ 3,910.00	\$ 169.00	\$ 7,774.00
23	Sawcut, remove, and replace existing HMAc pavement, replace with New HMAc repair section, including curb and gutter, work fully performed.	0	SY	\$ 150.00	\$ -	\$ -	\$ -	\$ 95.00	\$ -	\$ -	\$ -
24	Remove & Replace Existing concrete curb and gutter, sawcut and remove, work fully performed.	0	LF	\$ 14.00	\$ -	\$ -	\$ -	\$ 75.00	\$ -	\$ -	\$ -
25	Remove Existing WW Manhole and dispose of material in a legal manner	3	EA	\$ 450.00	\$ 1,350.00	\$ 500.00	\$ 1,500.00	\$ 900.00	\$ 2,700.00	\$ 800.00	\$ 2,400.00
26	Remove Existing WW Cleanout and dispose of in a legal manner.	0	EA	\$ 150.00	\$ -	\$ -	\$ -	\$ 300.00	\$ -	\$ -	\$ -
27	Remove and Replace Existing reinforced concrete sidewalk, sawcut and remove, work fully performed.	155	SF	\$ 26.00	\$ 4,030.00	\$ 6.00	\$ 930.00	\$ 8.00	\$ 1,240.00	\$ 53.00	\$ 8,215.00
28	St. Augustine or Bermuda grass solid sod, furnish and install complete in place.	29	SY	\$ 8.00	\$ 232.00	\$ 25.00	\$ 725.00	\$ 8.00	\$ 232.00	\$ 30.00	\$ 870.00
29	Shed Removal and Relocation, coordinate with property owner to relocate existing shed outside of easement to install service connections and manholes	0	EA	\$ -	\$ -	\$ -	\$ -	\$ 1,566.00	\$ -	\$ -	\$ -
30	Condition Survey, provide a condition survey for all properties within 50 feet of sanitary sewer centerline prior to beginning sewer construction and after construction.	1	EA	\$ 3,000.00	\$ 3,000.00	\$ 2,000.00	\$ 2,000.00	\$ 3,200.00	\$ 3,200.00	\$ 2,500.00	\$ 2,500.00
31	Exploratory TV survey, provide a televised inspetion video of all sanitary lines to determine location of all connections and manhole locations PRIOR to construction and Provide a televised Inspection video of all installed lines POST construction	1	EA	\$ 3,000.00	\$ 3,000.00	\$ 1,000.00	\$ 1,000.00	\$ 2,850.00	\$ 2,850.00	\$ 1,500.00	\$ 1,500.00
	<b>Total Bid Amount (Section VI)</b>				173426.50		\$ 90,099.00		\$ 122,339.00		\$ 122,845.00
	<b>Total Bid Amount (Sections I thru VI)</b>				\$ 1,721,253.75		\$ 1,234,327.00		\$ 1,661,949.50		\$ 1,590,602.60
	1 The successful Bidder will be required to hold his bid for ninety (90) days.										
	2. 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										