Project 12C-1

Widening of Blossom Box Culvert at 2nd Court

Description	*Quantity*	*Unit*	*Unit Price*	*Total Cost*
Constr. Fac. & Temp. Controls	All	LS	$15,000	$15,000
Dewatering	All	LS	$10,000	$10,000
Bypass Pumping	All	LS	$5,000	$5,000
Piling				
Furnish Pile Driving Equipment	All	LS	$15,000	$15,000
Furnish Concrete Piles	600	LF	$30	$18,000
Drive Concrete Piles	6	Each	$1,200	$7,200
Sheet Piling	1000	SF	$30	$30,000
Site Excavation	All	LS	$15,000	$15,000
Pump Station Backfilling				
- Material	50	CY	$30	$1,500
Widening of Exisitng Box Culvert				
- Reinforced Concrete	10	CY	$550	$5,500
- Structural Beams	1	LS	$10,000	$10,000
Sitework				
- Site Restoration	All	LS	$8,000	$8,000
- Sidewalks	300	SF	$5	$1,500
- Curbs	30	LF	$15	$450
Total Construction Cost				$142,150
Contingency				$21,400
Administration, Legal				$2,900
Land Acquisition				n/a
Environmental Study / Permits				$15,000
Engineering				$28,500
Total Cost				$209,800

Project 12C-2

Blossom Pump Station

Description	*Quantity*	*Unit*	*Unit Price*	*Total Cost*
Constr. Fac. & Temp. Controls	All	LS	$210,000	$210,000
Dewatering	All	LS	$25,000	$25,000
Bypass Pumping	All	LS	$25,000	$25,000
Demolition	All	LS	$90,000	$90,000
Storm Drain Piping				
4x6 Box Culvert	70	LF	$600	$42,000
New 48" Force Main	3300	LF	$150	$495,000
Piling				
Furnish Pile Driving Equipment	All	LS	$25,000	$25,000
Furnish Concrete Piles	1600	LF	$30	$48,000
Drive Concrete Piles	16	Each	$1,200	$19,200
Sheet Piling	5000	SF	$30	$150,000
Site Excavation	All	LS	$40,000	$40,000
Pump Station Piping				
- Force Main Piping	All	LS	$5,000	$5,000
- Connections, Fittings	All	LS	$10,000	$10,000
- Supports	All	LS	$5,000	$5,000
Pump Station Backfilling				
- Material	400	CY	$25	$10,000
Top Deck / Walls / Etc.				
- Reinforced Concrete	200	CY	$550	$110,000
- Grating	All	LS	$5,000	$5,000
- Fencing	200	LF	$25	$5,000
- Slide Gate	1	Each	$5,000	$5,000
- Slide Gate Installation	1	Each	$1,500	$1,500
Building				
- Split face block building	500	SF	$150	$75,000
- Mechanical Louvers	2	Each	$5,000	$10,000
Electrical				
- Materials	All	LS	$15,000	$15,000
- Telemetry / Controls	All	LS	$12,000	$12,000
- Standby Generator	All	LS	$60,000	$60,000
Equipment				
- Pump	2	Each	$80,000	$160,000
- Pump Installation	2	Each	$9,000	$18,000
- Wetwell Level Monitor	1	Each	$5,000	$5,000
- 48" Tide Gate	1	Each	$20,000	$20,000
- Tide Gate Installation	1	Each	$4,000	$4,000

Sitework				
- Site Restoration	All	LS	$17,000	$17,000
- Rip Rap	100	CY	$50	$5,000
- Trash Rack / Screens	1	Each	$60,000	$60,000
Total Construction Cost				$1,786,700
Contingency				$268,000
Administration, Legal				$35,730
Land Acquisition				$100,000
Environmental Study / Permits				$75,000
Pre-Engineering Evaluation				$40,000
Engineering				$357,340
Total Cost				$2,662,770

Project 14-1

Golden Pump Station

Description	*Quantity*	*Unit*	*Unit Price*	*Total Cost*
Constr. Fac. & Temp. Controls	All	LS	$40,000	$40,000
Dewatering	All	LS	$15,000	$15,000
Storm Drain Piping				
AC Pavement R & R	40	LF	$50	$2,000
36" Storm Drain Pipe, Dike Xing	50	LF	$200	$10,000
36" Storm Drain Pipe, Class B	100	LF	$110	$11,000
Piling				
Furnish Pile Driving Equipment	All	LS	$25,000	$25,000
Furnish Concrete Piles	800	LF	$30	$24,000
Drive Concrete Piles	8	Each	$1,200	$9,600
Sheet Piling	5000	SF	$30	$150,000
Site Excavation	All	LS	$30,000	$30,000
Manholes	2	Each	$8,000	$16,000
Interior Manhole Work				
- Trash Rack / Screens	1	Each	$10,000	$10,000
- Grouting	1	Each	$4,000	$4,000
Pump Station Piping				
- Force Main Piping	All	LS	$5,000	$5,000
- Connections, Fittings	All	LS	$10,000	$10,000
- Supports	All	LS	$5,000	$5,000
Pump Station Backfilling				
- Material	500	CY	$25	$12,500
Top Deck / Walls / Etc.				
- Reinforced Concrete	200	CY	$550	$110,000
- Grating	All	LS	$5,000	$5,000
- Fencing	200	LF	$25	$5,000
- Slide Gate	1	Each	$5,000	$5,000
- Slide Gate Installation	1	Each	$1,500	$1,500
Building				
- Split face block building	400	SF	$150	$60,000
- Mechanical Louvers	2	Each	$5,000	$10,000
Electrical				
- Materials	All	LS	$14,000	$14,000
- Telemetry / Controls	All	LS	$12,000	$12,000
- Standby Generator	All	LS	$60,000	$60,000

Equipment				
- Pump	2	Each	$85,000	$170,000
- Pump Installation	2	Each	$8,000	$16,000
- Wetwell Level Monitor	1	Each	$5,000	$5,000
- 36" Tide Gate	1	Each	$10,000	$10,000
- Tide Gate Installation	1	Each	$2,000	$2,000
Sitework				
- Site Restoration	All	LS	$12,200	$12,200
- Access Road	All	LS	$30,000	$30,000
- AC Pavement	20	Ton	$60	$1,200
- Rip Rap	100	CY	$50	$5,000
Total Construction Cost				$913,000
Contingency				$136,950
Administration, Legal				$18,260
Environmental Study / Permits				$30,000
Land Acquisition				$100,000
Engineering				$182,600
Total Cost				$1,380,810

Project 17-3

7th / Lockhart Pump Station

Description	Quantity	Unit	Unit Price	Total Cost
Constr. Fac. & Temp. Controls	All	LS	$50,000	$50,000
Dewatering	All	LS	$15,000	$15,000
Storm Drain Piping				
AC Pavement R & R	420	LF	$50	$21,000
48" Storm Drain Pipe, Dike Xing	50	LF	$250	$12,500
48" Storm Drain Pipe, Class C	400	LF	$150	$60,000
48" Storm Drain Pipe, Class B	150	LF	$120	$18,000
Piling				
Furnish Pile Driving Equipment	All	LS	$25,000	$25,000
Furnish Concrete Piles	800	LF	$30	$24,000
Drive Concrete Piles	8	Each	$1,200	$9,600
Sheet Piling	4000	SF	$30	$120,000
Site Excavation	All	LS	$30,000	$30,000
Manholes	3	Each	$12,000	$36,000
Interior Manhole Work				
- Trash Rack / Screens	1	Each	$10,000	$10,000
- Grouting	1	Each	$4,000	$4,000
Pump Station Piping				
- Force Main Piping	All	LS	$5,000	$5,000
- Connections, Fittings	All	LS	$10,000	$10,000
- Supports	All	LS	$5,000	$5,000
Pump Station Backfilling				
- Material	400	CY	$25	$10,000
Top Deck / Walls / Etc.				
- Reinforced Concrete	200	CY	$550	$110,000
- Grating	All	LS	$5,000	$5,000
- Fencing	200	LF	$25	$5,000
- Slide Gate	1	Each	$5,000	$5,000
- Slide Gate Installation	1	Each	$1,500	$1,500
Building				
- Split face block building	500	SF	$150	$75,000
- Mechanical Louvers	2	Each	$5,000	$10,000
Electrical				
- Materials	All	LS	$15,000	$15,000
- Telemetry / Controls	All	LS	$12,000	$12,000
- Standby Generator	All	LS	$60,000	$60,000

Equipment				
- Pump	2	Each	$90,000	$180,000
- Pump Installation	2	Each	$9,000	$18,000
- Wetwell Level Monitor	1	Each	$5,000	$5,000
- 48" Tide Gate	1	Each	$20,000	$20,000
- Tide Gate Installation	1	Each	$4,000	$4,000
Sitework				
- Site Restoration	All	LS	$8,900	$8,900
- Rip Rap	50	CY	$50	$2,500
Total Construction Cost				$1,002,000
Contingency				$150,300
Administration, Legal				$20,040
Environmental Study / Permits				$30,000
Land Acquisition				n/a
Engineering				$200,400
Total Cost				$1,402,740

Project 19-2

Englewood Pump Station

Description	Quantity	Unit	Unit Price	Total Cost
Constr. Fac. & Temp. Controls	All	LS	$40,000	$40,000
Dewatering	All	LS	$15,000	$15,000
Storm Drain Piping				
AC Pavement R & R	40	LF	$30	$1,200
36" Storm Drain Pipe, Class C	40	LF	$130	$5,200
Piling				
Furnish Pile Driving Equipment	All	LS	$25,000	$25,000
Furnish Concrete Piles	800	LF	$30	$24,000
Drive Concrete Piles	8	Each	$1,200	$9,600
Sheet Piling	4000	SF	$30	$120,000
Site Excavation	All	LS	$30,000	$30,000
Manholes	2	Each	$8,000	$16,000
Interior Manhole Work				
- Trash Rack / Screens	1	Each	$10,000	$10,000
- Grouting	1	Each	$4,000	$4,000
Pump Station Piping				
- Force Main Piping	All	LS	$5,000	$5,000
- Connections, Fittings	All	LS	$10,000	$10,000
- Supports	All	LS	$5,000	$5,000
Pump Station Backfilling				
- Material	500	CY	$25	$12,500
Top Deck / Walls / Etc.				
- Reinforced Concrete	200	CY	$550	$110,000
- Grating	All	LS	$5,000	$5,000
- Fencing	40	LF	$25	$1,000
- Slide Gate	1	Each	$4,000	$4,000
- Slide Gate Installation	1	Each	$1,500	$1,500
Building				
- Split face block building	400	SF	$150	$60,000
- Mechanical Louvers	2	Each	$5,000	$10,000
Electrical				
- Materials	All	LS	$15,000	$15,000
- Telemetry / Controls	All	LS	$12,000	$12,000
- Standby Generator	All	LS	$60,000	$60,000

Equipment				
- Pump	2	Each	$85,000	$170,000
- Pump Installation	2	Each	$8,000	$16,000
- Wetwell Level Monitor	1	Each	$5,000	$5,000
- 36" Tide Gate	1	Each	$10,000	$10,000
- Tide Gate Installation	1	Each	$3,000	$3,000
Sitework				
- Site Restoration	All	LS	$10,000	$10,000
Total Construction Cost				$825,000
Contingency				$123,750
Administration, Legal				$16,500
Environmental Study / Permits				$30,000
Land Acquisition				n/a
Engineering				$165,000
Total Cost				$1,160,250