



Professional Engineers & Land Surveyors

130 E. PARK AVENUE • PHARR, TEXAS 78577

(TEL) 956-782-2557 • (FAX) 956-782-2558

Engineering Firm F - 486 • Surveying Firm #101650-00

Invoice Number 3289

Date 2/12/2013

Due on receipt

Invoice

Hidalgo County Precinct No. 2
Hector "Tito" Palacios
300 W. Hall Acres
Suite G
Pharr, TX 78577

Project: Southfork Drainage Lateral

Project No.: ENG07.032L
Contract No.: C-07-358-09-04(WA#12)
PO No. 613776

Const. Cost
% of Const. Cost
Billing Fee 495,078.00

<u>Phase</u>	<u>Phase Fee</u>	<u>% Complete</u>	<u>Fee Earned</u>	<u>Prior Billing</u>	<u>Current Fee</u>
Data Collection & Preliminary Engineering & Design	198,549.00	100.00%	198,549.00	162,924.00	35,625.00
Right-of-Way Map	97,000.00	100.00%	97,000.00	97,000.00	0.00
Final Design	119,129.00	98.00%	116,747.00	73,315.80	43,431.20
Construction Services	79,420.00	0.00%			0.00
Special Services	980.00	0.00%			0.00

INVOICE RECEIVED BY:

Elizabeth Casas ON 2/22/13

GOODS/SERVICES RECEIVED BY:

Hector Tito Palacios ON 2/12/13

Balance Due

\$79,056.20

HIDALGO COUNTY
Professional Engineering Services
Contract # C-07-358-09-04
Work Authorization No. 12

BILLING SUMMARY
WORKSHEET

Project Estimated Construction Cost	\$3,781,882
Engineering Services Fee (8% of Construction Cost)	\$302,551
Topographic Survey Services Fee (2.5% of Construction Cost)	\$94,547
Basic Fee (Prelim Eng, Design & Construction Services Fee)	\$397,098

TASK	PART I CONTRACT AMOUNT	% COMP	FEE EARNED	PRIOR BILLING	CURRENT FEE
Basis for Engineering Fee based on Article 5A of Contract					
PART I - DATA COLLECTION & PRELIMINARY ENGINEERING AND DESIGN (50% of Basic Fee)	\$198,549				
DATA COLLECTION (40% of Prelim Eng Fee)	\$79,420	100%	\$79,420	\$65,170	\$14,250
SCHEMATIC DESIGN (60% of Prelim Eng Fee)	\$119,129	100%	\$119,129	\$97,754	\$21,375
SUB-TOTAL (Prelim Eng Fee)	\$198,549		\$198,549	\$162,924	\$35,625
PART II - RIGHT-OF-WAY MAP (Add'l Services)	\$97,000				
OBTAIN TITLE REPORTS (Est 24 Parcels) (@ \$600.00/Parcel) ***	\$15,600	100%	\$15,600	\$15,600	\$0
DEVELOP PARCELS & R.O.W. MAP (Est 33 Parcels) (@ \$2,200.00/Parcel)	\$81,400	100%	\$81,400	\$81,400	\$0
SUB-TOTAL (R.O.W. Map Fee)	\$97,000		\$97,000	\$97,000	\$0
PART III - FINAL DESIGN (30% of Basic Fee)	\$119,129				
30% Plans Submittal (30% of PS&E Fee)	\$35,739	100%	\$35,739	\$24,439	\$11,300
60% Plans Submittal (30% of PS&E Fee)	\$35,739	100%	\$35,739	\$24,439	\$11,300
90% Plans Submittal (30% of PS&E Fee)	\$35,739	100%	\$35,739	\$24,439	\$11,300
100% Plans Submittal (10% of PS&E Fee)	\$11,913	80%	\$9,530	\$0	\$9,530
SUB-TOTAL (PS&E Fee)	\$119,129		\$116,747	\$73,316	\$43,431
PART IV - CONSTRUCTION SERVICES (20% of Basic Fee)	\$79,420				
Construction Services	\$79,420	0%	\$0	\$0	\$0
SUB-TOTAL (Construction Services Fee)	\$79,420		\$0	\$0	\$0
PART V - SPECIAL SERVICES (Add'l Services)	\$980				
Printing (Est. 20 Sets @ 100 Sheets/Set @ 0.20/Sheet)	\$400	0%	\$0	\$0	\$0
Mileage (Est. 50 Trips @ 20 Miles/Trip @ 0.58/Mile)	\$580	0%	\$0	\$0	\$0
SUB-TOTAL (Special Services Fee)	\$980		\$0	\$0	\$0
TOTAL	\$495,078		\$412,295	\$333,239	\$79,056

Description: Plan Estimate
 Project: Southfork Drainage Lateral
 By: Ramiro Gutierrez, P.E.
 Date: 2/11/2013

PART I - DRAIN DITCH CONSTRUCTION COST					
100	Preparation of Right-of-Way	STA	106.85	\$ 200.00	\$ 21,370.00
110	Excavation (Channel)	CY	189,640	\$ 6.50	\$ 1,232,660.00
132	Embankment (Final) (Dens Cont) (Ty D)	CY	100	\$ 8.00	\$ 800.00
400	Cement Stabilized Backfill	CY	1,565	\$ 75.00	\$ 117,375.00
400	Cut & Restore Pavement	SY	64	\$ 35.00	\$ 2,240.00
402	Trench Excav Protection	LF	6,681	\$ 2.00	\$ 13,362.00
432	Concrete Rip-Rap (5-in) (CL B)	CY	210	\$ 340.00	\$ 71,400.00
432	Stone Rip-Rap (Protection) (6-in) (Dry)	CY	2,257	\$ 90.00	\$ 203,130.00
462	Conc. Box (7'x6')	LF	248	\$ 410.00	\$ 101,680.00
462	Conc. Box (8'x7')	LF	144	\$ 510.00	\$ 73,440.00
462	Conc. Box (8'x8')	LF	280	\$ 560.00	\$ 156,800.00
464	Reinf Conc Pipe (CL III)(18")(SPL)	LF	3,628	\$ 38.00	\$ 137,864.00
464	Reinf Conc Pipe (CL III)(24")(SPL)	LF	576	\$ 45.00	\$ 25,920.00
464	Reinf Conc Pipe (CL III)(30")(SPL)	LF	227	\$ 57.00	\$ 12,939.00
464	Reinf Conc Pipe (CL III)(36")(SPL)	LF	320	\$ 75.00	\$ 24,000.00
464	Reinf Conc Pipe (CL III)(48")(SPL)	LF	112	\$ 112.00	\$ 12,544.00
464	Reinf Conc Pipe (CL III)(72")(SPL)	LF	1,102	\$ 210.00	\$ 231,420.00
465	Inlet (Compl) (Ty C)	EA	87	\$ 2,800.00	\$ 243,600.00
465	Manhole (Ty A)	EA	2	\$ 4,500.00	\$ 9,000.00
4035	Irrigation Pipes (30") (RCLHPP)	LF	48	\$ 110.00	\$ 5,280.00
4061	Irrigation Stand Pipes (18")	EA	2	\$ 4,500.00	\$ 9,000.00
Part I - Sub-Total					\$ 2,705,824.00

PART II - GATED BOX STRUCTURE @ IBWC LEVEE CONSTRUCTION COST					
100	Preparation of Right-of-Way	AC	2.73	\$ 250.00	\$ 682.50
110	Excavation (Channel)	CY	10,060	\$ 6.50	\$ 65,390.00
110	Excavation (Levee)	CY	4,500	\$ 6.50	\$ 29,250.00
132	Embankment (Levee)	CY	4,500	\$ 8.00	\$ 36,000.00
164	Cellulose Fiber Mulch Seeding (Perm) (Rural)	SY	2,454	\$ 0.60	\$ 1,472.40
247	Flex Bs (Compl in Pl) (Ty E) (Gr 4) (Fin Pos) (6")	CY	2,100	\$ 24.00	\$ 50,400.00
400	Cement Stabilized Backfill	CY	385	\$ 75.00	\$ 28,875.00
402	Trench Excav Protection	LF	158	\$ 2.00	\$ 316.00
420	Conc (CL C) (Collar)	CY	10	\$ 420.00	\$ 4,200.00
420	Conc (CL C) (8" - 5'x18' Conc Support Wall)	CY	11.60	\$ 420.00	\$ 4,872.00
432	Concrete Rip-Rap (5-in) (CL B)	CY	18	\$ 340.00	\$ 6,120.00
432	Stone Rip-Rap (Protection) (6-in) (Dry)	CY	1,630	\$ 90.00	\$ 146,700.00
462	Dual 8'x8' Gated Box Structure (Cast-in-Place)	LF	158	\$ 1,200.00	\$ 189,600.00
465	Inlet (6'x6') (Sloped) (w/Grate)	EA	1	\$ 4,500.00	\$ 4,500.00
466	Headwall (CH-FW-0) (HW=8')	EA	2	\$ 10,000.00	\$ 20,000.00
506	Temp Sediment Control Fence	LF	1,316	\$ 5.00	\$ 6,580.00
540	Metal Beam Guard Fence (Timber Post)	LF	100	\$ 18.00	\$ 1,800.00
4512	18" Steel Pipe (3/8") w/12" Manifold, Chk Valve & Fittings	LF	40	\$ 240.00	\$ 9,600.00
4512	12" Steel Pipe (3/8") w/Suction & Fittings	LF	82	\$ 200.00	\$ 16,400.00
116800	Sluice Gates w/Gatewell, Ladder & Apparatus (Cast-in-Place)	EA	2	\$ 120,000.00	\$ 240,000.00
999999	12" Diesel Pump	EA	2	\$ 75,000.00	\$ 150,000.00
Part II - Sub-Total					\$ 1,012,757.90

PART III - CHECK VALVES CONSTRUCTION COST					
465	Manhole (Compl) (Ty M)	EA	6	\$ 4,800.00	\$ 28,800.00
4001	Drain Check Valve (18")	EA	1	\$ 3,500.00	\$ 3,500.00
4001	Drain Check Valve (24")	EA	2	\$ 4,500.00	\$ 9,000.00
4001	Drain Check Valve (30")	EA	1	\$ 6,000.00	\$ 6,000.00
4001	Drain Check Valve (36")	EA	2	\$ 8,000.00	\$ 16,000.00
Part III - Sub-Total					\$ 63,300.00
Total Construction Cost					\$ 3,781,881.90