EXHIBIT A.10

LABOR, EQUIPMENT, MATERIAL COSTS

Construction Manager at Risk for Pima County Regional Wastewater Reclamation Department - North Rillito Interceptor Rehabilitation Project No. 3NRI14

See the following items behind this sheet:

PCRWRD - NORTH RILLITO INTERCEPTOR REHABILITATION PROJECT - 3NRI14
TRAFFIC CONTROL ESTIMATE FOR PHASES 3, 4 & 6 - BID ITEM 0.1 on EXHIBIT A.3
EXHIBIT A.11 - LABOR/MATERIAL/EQUIPMENT BREAKDOWN
PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DISTRICT
CONSTRUCTION MANAGER AT RISK SERVICES

B&F CONTRACTING, INC.
1904 W. Prince Rd.
Tucson, AZ 85705
Office: (520) 207-8228 / Fax: (623) 582-3761

Date: 3/4/2015
GMP 2

Item

1 TRAFFIC CONTROL ESTIMATE - BORDER TRAFFIC SAFETY (SBE Certified)

	UNIT	QTY	UNIT Price	COST
TRAFFIC CONTROL REQUIREMENTS - PHASE 3				
Traffic Control Device Rental	Day	120	$ 165.00	$ 19,800.00
1 Man 1 Truck	HR	100	$ 50.00	$ 5,000.00
Shadow Truck	HR	20	$ 50.00	$ 1,000.00
2 Men 2 Trucks	HR	80	$ 100.00	$ 8,000.00
Flagmen - 2 Men 1 Truck	HR	100	$ 90.00	$ 9,000.00
			Subtotal	$ 42,800.00
TRAFFIC CONTROL REQUIREMENTS - PHASE 4				
Traffic Control Device Rental	Day	120	$ 225.00	$ 27,000.00
1 Man 1 Truck	HR	100	$ 50.00	$ 5,000.00
Shadow Truck	HR	40	$ 50.00	$ 2,000.00
2 Men 2 Trucks	HR	100	$ 100.00	$ 10,000.00
Flagmen - 2 Men 1 Truck	HR	60	$ 90.00	$ 5,400.00
			Subtotal	$ 49,400.00
TRAFFIC CONTROL REQUIREMENTS - PHASE 6				
Traffic Control Device Rental	Day	180	$ 325.00	$ 58,500.00
1 Man 1 Truck	HR	320	$ 50.00	$ 16,000.00
Shadow Truck	HR	80	$ 50.00	$ 4,000.00
2 Men 2 Trucks	HR	140	$ 100.00	$ 14,000.00
Flagmen - 2 Men 1 Truck	HR	120	$ 90.00	$ 10,800.00
			Subtotal	$ 103,300.00
LINE ITEM #	1		TOTAL COST	$ 195,500.00
			EA	1.00
			UNIT COST	$ 195,500.00

PCRWRD - NORTH RILLITO INTERCEPTOR REHABILITATION PROJECT - 3NRI14
DUST CONTROL - BID ITEM 0.5 on EXHIBIT A.3
EXHIBIT A.11 - LABOR/MATERIAL/EQUIPMENT BREAKDOWN
PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DISTRICT
CONSTRUCTION MANAGER AT RISK SERVICES

B&F CONTRACTING, INC.
1904 W. Prince Rd.
Tucson, AZ 85705
Office: (520) 207-8228 / Fax: (623) 582-3761

Date: 3/4/2015
GMP 2

Item	Description
1	Dust Control Measures - Phase 3, 4 & 6

LABOR	QTY	Hours	Unit	Price	TOTAL	Rate	Labor Burden 0.32	Total
Truck Driver	1	4	HR	$ 30.36	$ 121.44	$ 23.00	$ 7.36	$ 30.36

EQUIPMENT	QTY	Hours	Unit	Price	TOTAL
Water Truck - 2500 Gallon	1	4	HR	$ 32.68	$ 130.72
				Crew, & Equipment Daily Rate:	$ 252.16

Cost or work Breakdown for Line Item Based on above units and below durations

	Unit	Qty	Rate	Total
Dust Control Measures - Phase 3, 4 & 6	Day	160	$ 252.16	$ 40,345.60
LINE ITEM #	1		TOTAL COST	$40,345.60

PCRWRD - NORTH RILLITO INTERCEPTOR REHABILITATION PROJECT - 3NRI14
SWPPP BMP's - Straw Waddles & Installation - BID ITEM 0.6 on EXHIBIT A.3
EXHIBIT A.11 - LABOR/MATERIAL/EQUIPMENT BREAKDOWN
PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DISTRICT
CONSTRUCTION MANAGER AT RISK SERVICES

B&F CONTRACTING, INC.
1904 W. Prince Rd.
Tucson, AZ 85705
Office: (520) 207-8228 / Fax: (623) 582-3761

Date: 3/4/2015
GMP 2

Item	Description
1	Install and Maintain SWPPP Best Management Practices (BMP's) - Straw Waddles & Gravel Bags (Phase 3, 4 & 6)

LABOR	QTY	Hours	Unit	Price	TOTAL	Rate	Labor Burden 0.32	Total
Foremen	1	8	HR	$ 42.24	$ 337.92	$ 32.00	$ 10.24	$ 42.24
Laborer	1	8	HR	$ 29.04	$ 232.32	$ 22.00	$ 7.04	$ 29.04

EQUIPMENT	QTY	Hours	Unit	Price	TOTAL
Crew Trucks	1	8	DAY	$ 28.89	$ 231.12
Hand Tools	1	8	HR	$ 8.50	$ 68.00
CAT 420E Backhoe	1	4	HR	$ 41.01	$ 164.04
				Crew, & Equipment Daily Rate:	$ 869.36

Cost or work Breakdown for Line Item Based on above units and below durations

	Unit	Qty	Rate	Total
Install and Maintain SWPPP Best Management Practices (BMP's) - Straw Waddles & Gravel Bags (Phase 3, 4 & 6)	Day	25	$ 869.36	$ 21,734.00
VENDORS/MATERIALS/SUBS				
12" x 20' Erosion Control Straw Waddle	LF	25000	$ 1.20	$ 30,000.00
Wood Stakes	Bundles	300	$ 17.46	$ 5,238.00
Gravel for Trackout Pad	Ton	150	$ 20.00	$ 3,000.00
Gravel Delivery	ea	6	$ 130.00	$ 780.00
Bi-Weekly Inspection for SWPPP BMP's	month	16	$ 425.00	$ 13,600.00
Additional Rain Event Inspections	EA	12	$ 425.00	$ 5,100.00
Orange Safety Fencing	Roll	250	$ 25.95	$ 6,487.50
T-Posts	EA	400	$ 5.50	$ 2,200.00
LINE ITEM #	1		TOTAL COST	$ 88,139.50
			EA	1.00
			UNIT COST	$ 88,139.50

12" Straw Waddles = Approximately ~~30~~ 25,000 LF in Phases 3, 4 & 5

PCRWRD - NORTH RILLITO INTERCEPTOR REHABILITATION PROJECT - 3NRI14
MATERIALS TESTING & QUALITY CONTROL - BID ITEM 0.7 on Exhibit A.3
EXHIBIT A.11 - LABOR/MATERIAL/EQUIPMENT BREAKDOWN
PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DISTRICT
CONSTRUCTION MANAGER AT RISK SERVICES

B&F CONTRACTING, INC.
1904 W. Prince Rd.
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Date: 3/4/2015
GMP 2

Item	Description
1	**Materials Testing & Quality Control (Phase 3, 4 & 6) - For Backfill, Compaction, Concrete & Asphalt**

LABOR	QTY	Hours	Unit	Price	TOTAL	Rate	Labor Burden	Total
Field Technician	1	100	HR	$ 80.00	$ 8,000.00	$ 80.00		
Professional Engineer	1	30	HR	$ 80.00	$ 2,400.00	$ 80.00		
Special Inspections - Rebar	1	60	HR	$ 55.00	$ 3,300.00	$ 55.00		

EQUIPMENT	QTY	Hours	Unit	Price	TOTAL
Vehicle Expense Per Trip	30	1	EA	$ 35.00	$ 1,050.00
				Crew, & Equipment Daily Rate:	**$ 14,750.00**

Materials Testing				
Professional Engineer Review & Report	EA	25	$ 75.00	$ 1,875.00
Proctor, Standard Compaction Test	EA	55	$ 105.00	$ 5,775.00
Sieve Analysis	EA	10	$ 65.00	$ 650.00
Resistivity Test	EA	10	$ 90.00	$ 900.00
Compressive Strength Test for Concrete Cylinder	EA	20	$ 25.00	$ 500.00
Asphalt Marshall Pill Preparation & Compaction	EA	15	$ 75.00	$ 1,125.00

LINE ITEM #	**1**	**TOTAL COST**	**$ 25,575.00**
		EA	**1.00**
		UNIT COST	**$ 25,575.00**

PCRWRD - NORTH RILLITO INTERCEPTOR REHABILITATION PROJECT - 3NRI14
STREET SWEEPING SERVICES - BID ITEM 0.8 on EXHIBIT A.3
EXHIBIT A.11 - LABOR/MATERIAL/EQUIPMENT BREAKDOWN
PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DISTRICT
CONSTRUCTION MANAGER AT RISK SERVICES

B&F CONTRACTING, INC.
1904 W. Prince Rd.
Tucson, AZ 85705
Office: (520) 207-8228 / Fax: (623) 582-3761

Date: 3/4/2015
GMP 2

Item	Description
1	**Street Sweeping Services for Phases 3, 4 & 5**

EQUIPMENT	QTY	Hours	Unit		Price		TOTAL
Street Sweeper	1	2	DAY	$	85.00	$	170.00
			Crew, & Equipment Daily Rate:			**$**	**170.00**

Cost or work Breakdown for Line Item Based on above units and below durations

	Unit	Qty		Rate		Total
Street Sweeping Services for Phases 3, 4 & 5	Day	12	$	170.00	$	2,040.00

LINE ITEM #	**1**	**TOTAL COST**	**$2,040.00**
		EA	**1.00**
		UNIT COST	**$ 2,040.00**

PCRWRD - NORTH RILLITO INTERCEPTOR REHABILITATION PROJECT - 3NRI14
R/R EXISTING LIDS ON SIPHON INLET & OUTLET- BID ITEM 3.10 on EXHIBIT A.3
EXHIBIT A.11 - LABOR/MATERIAL/EQUIPMENT BREAKDOWN
PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DISTRICT
CONSTRUCTION MANAGER AT RISK SERVICES

B&F CONTRACTING, INC.
1904 W. Prince Rd.
Tucson, AZ 85705
Office: (520) 207-8228 / Fax: (623) 582-3761

Date: 3/4/2015
GMP 2

Item	Description
1	**Remove/Replace Siphon Structure Lids**

LABOR	QTY	Hours	Unit	Price	TOTAL	Rate	Labor Burden 0.32	Total
Foremen	1	8	HR	$ 42.24	$ 337.92	$ 32.00	$ 10.24	$ 42.24
Operator	1	8	HR	$ 33.00	$ 264.00	$ 25.00	$ 8.00	$ 33.00
Laborer	2	8	HR	$ 29.04	$ 464.64	$ 22.00	$ 7.04	$ 29.04
Truck Driver	1	4	HR	$ 30.36	$ 121.44	$ 23.00	$ 7.36	$ 30.36

EQUIPMENT	QTY	Hours	Unit	Price	TOTAL
Crew Trucks	1	8	DAY	$ 28.89	$ 231.12
Ingersoll Rand 10k Forklift	1	8	HR	$ 57.16	$ 457.28
CAT 349 Excavator	1	8	HR	$ 201.14	$ 1,609.12
10 Wheeler	1	4	HR	$ 81.57	$ 326.28
185 CFM Compressor	2	8	HR	$ 18.96	$ 303.36
Pneumatic Chipping Hammers	2	8	HR	$ 1.12	$ 17.92
				Crew, & Equipment Daily Rate:	**$ 4,133.08**

Cost or work Breakdown for Line Item Based on above units and below durations

	Unit	Qty	Rate	Total
Remove/Replace Siphon Structure Lids	Days	2	$ 4,133.08	$ 8,266.16
Materials / Vendors / Suppliers				
Sawcut Lids	EA	2	$ 1,450.00	$ 2,900.00
40 Ton Crane Rental (Remove & Replace)	HR	12	$ 195.00	$ 2,340.00
Crane Delivery & Return	EA	2	$ 150.00	$ 300.00
Red Head & Lifting Eyes	LS	1	$ 375.00	$ 375.00
New Precast Concrete Structure Lids	EA	2	$ 4,100.00	$ 8,200.00
Dump Fee	EA	8	$ 15.00	$ 120.00
New Redwood Stop Logs	EA	2	$ 800.00	$ 1,600.00
Stainless Steel Hardware	EA	2	$ 375.00	$ 750.00
LINE ITEM #	**1**		**TOTAL COST**	**$24,851.16**
			EA	**1.00**
			UNIT COST	**$ 24,851.16**

PCRWRD - NORTH RILLITO INTERCEPTOR REHABILITATION PROJECT - 3NRI14
SWAN & RILLITO PARKING LOT PAVING RESTORATION - BID ITEM 4.2 EXHIBIT A.3
EXHIBIT A.11 - LABOR/MATERIAL/EQUIPMENT BREAKDOWN
PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DISTRICT
CONSTRUCTION MANAGER AT RISK SERVICES

B&F CONTRACTING, INC.
1904 W. Prince Rd.
Tucson, AZ 85705
Office: (520) 207-8228 / Fax: (623) 582-3761

Date: 3/4/2015
GMP 2

Item	Description
1	Swan & Rillito NWC River Park Pavement Restoration

LABOR	QTY	Hours	Unit	Price	TOTAL	Rate	Labor Burden 0.32	Total
Foremen	0	8	HR	$ 42.24	$ -	$ 32.00	$ 10.24	$ 42.24
Operator	0	8	HR	$ 33.00	$ -	$ 25.00	$ 8.00	$ 33.00
Laborer	0	8	HR	$ 29.04	$ -	$ 22.00	$ 7.04	$ 29.04

EQUIPMENT	QTY	Hours	Unit	Price	TOTAL
Crew Trucks	0	8	DAY	$ 28.89	$ -
CAT 420E Backhoe	0	8	HR	$ 1.12	$ -
Trailer	0	8	HR	$ 10.70	$ -
				Crew, & Equipment Daily Rate:	$ -

Cost or work Breakdown for Line Item Based on above units and below durations

	Unit	Qty	Rate	Total
Swan & Rillito NWC River Park Pavement Restoration	Days	0.5	$ -	$ -
Materials / Vendors / Suppliers				
Bates Paving Quote	SY	2149	$ 13.61	$ 29,247.89
Additional Cost per Ton for Extra Thickness	Ton	60	$ 73.28	$ 4,396.80
LINE ITEM #	**1**		**TOTAL COST**	**$33,644.69**
			EA	**1.00**
			UNIT COST	**$ 33,644.69**

PCRWRD - NORTH RILLITO INTERCEPTOR REHABILITATION PROJECT - 3NRI14
VARGAS ELECTRICAL RELOCATION WORK - BID ITEM 7.1, 7.2 and 7.3 on EXHIBIT A.3
EXHIBIT A.11 - LABOR/MATERIAL/EQUIPMENT BREAKDOWN
PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DISTRICT
CONSTRUCTION MANAGER AT RISK SERVICES

B&F CONTRACTING, INC.
1904 W. Prince Rd.
Tucson, AZ 85705
Office: (520) 207-8228 / Fax: (623) 582-3761

Date: 3/4/2015
GMP 2

Item — Description

1 — **Repair Existing J-Box & Electrical Line and Panel on Vargas Property**

LABOR	QTY	Hours	Unit	Price	TOTAL	Rate	Labor Burden 0.32	Total
Foremen	1	8	HR	$ 42.24	$ 337.92	$ 32.00	$ 10.24	$ 42.24
Operator	1	8	HR	$ 33.00	$ 264.00	$ 25.00	$ 8.00	$ 33.00
Laborer	2	8	HR	$ 29.04	$ 464.64	$ 22.00	$ 7.04	$ 29.04

EQUIPMENT	QTY	Hours	Unit	Price	TOTAL
Crew Trucks	1	8	DAY	$ 28.89	$ 231.12
CAT 420E Backhoe	1	8	HR	$ 1.12	$ 8.96
Trailer	1	8	HR	$ 10.70	$ 85.60
				Crew, & Equipment Daily Rate:	**$ 1,392.24**

Cost or work Breakdown for Line Item Based on above units and below durations

	Unit	Qty	Rate	Total
Repair Existing J-Box & Electrical Line and Panel on Vargas Property	Days	0.5	$ 1,392.24	$ 696.12
Materials / Vendors / Suppliers				
Misc. Materials	EA	1	$ 50.00	$ 50.00
Ridgepoint Electrical	EA	1	$ 724.95	$ 724.95
LINE ITEM #	**1**		**TOTAL COST**	**$1,471.07**
			EA	**1.00**
			UNIT COST	**$ 1,471.07**

Item — Description

2 — **Relocate Existing Electrical Line & Panel Outside of the NRI Relief Sewer Alignment**

	Unit	Qty	Rate	Total
Materials / Vendors / Suppliers				
Ridgepoint Electric	LS	1	$ 11,200.00	$ 11,200.00
Gate Repair Allowance for Sensors, Operator & Communication Line	LS	1	$ 3,000.00	$ 3,000.00
LINE ITEM #	**2**		**TOTAL COST**	**$14,200.00**
			EA	**1.00**
			UNIT COST	**$ 14,200.00**

**Ridgepoint Electrical to trench and run new conduit approximatel 450 LF to the Vargas Gate. New wire to be pulled in from gate to electrical panel at the house.

PCRWRD - NORTH RILLITO INTERCEPTOR REHABILITATION PROJECT - 3NRI14
NEW MH FRAME, COVERS, CONCRETE COLLARS - BID ITEM 3.11, 3.12, 3.13 & 3.14 on EXHIBIT A.3
EXHIBIT A.11 - LABOR/MATERIAL/EQUIPMENT BREAKDOWN
PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DISTRICT
CONSTRUCTION MANAGER AT RISK SERVICES

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Office: (520) 207-8228 / Fax: (623) 582-3761

Date: 3/4/2015
GMP 2

Item	Description
1	**Remove/Replace MH Frame & Covers**

LABOR	QTY	Hours	Unit	Price	TOTAL	Rate	Labor Burden 0.32	Total
Foremen	1	8	HR	$ 42.24	$ 337.92	$ 32.00	$ 10.24	$ 42.24
Operator	1	8	HR	$ 33.00	$ 264.00	$ 25.00	$ 8.00	$ 33.00
Laborer	1	8	HR	$ 29.04	$ 232.32	$ 22.00	$ 7.04	$ 29.04

EQUIPMENT	QTY	Hours	Unit	Price	TOTAL
Crew Trucks	1	8	DAY	$ 28.89	$ 231.12
185 CFM Compressor	1	8	HR	$ 18.96	$ 151.68
Pneumatic Chipping Hammers	1	8	HR	$ 1.12	$ 8.96
Trailer	1	8	HR	$ 10.70	$ 85.60
				Crew, & Equipment Daily Rate:	**$ 1,311.60**

Cost or work Breakdown for Line Item Based on above units and below durations

	Unit	Qty	Rate	Total
Remove/Replace Frame & Covers	Days	31.5	$ 1,311.60	$ 41,315.40
*4 per day				
Materials / Vendors / Suppliers				
24" Frame	EA	60	$ 143.00	$ 8,580.00
24" Vented Covers	EA	60	$ 135.00	$ 8,100.00
30" Frames	EA	66	$ 188.00	$ 12,408.00
30" Vented Covers	EA	66	$ 179.00	$ 11,814.00
Inflow Inserts	EA	126	$ 55.00	$ 6,930.00
LINE ITEM #	**1**		**TOTAL COST**	**$89,147.40**
			EA	**126.00**
			UNIT COST	**$ 707.52**

Item	Description
2	**New Concrete Collars**

LABOR	QTY	Hours	Unit	Price	TOTAL	Rate	Labor Burden 0.32	Total
Foremen	1	8	HR	$ 42.24	$ 337.92	$ 32.00	$ 10.24	$ 42.24
Operator	1	8	HR	$ 33.00	$ 264.00	$ 25.00	$ 8.00	$ 33.00
Laborer	2	8	HR	$ 29.04	$ 464.64	$ 22.00	$ 7.04	$ 29.04

EQUIPMENT	QTY	Hours	Unit	Price	TOTAL
Crew Trucks	1	8	DAY	$ 28.89	$ 231.12
185 CFM Compressor	1	8	HR	$ 18.96	$ 151.68
Pneumatic Chipping Hammers	1	8	HR	$ 1.12	$ 8.96
Trailer	1	8	HR	$ 10.70	$ 85.60
				Crew, & Equipment Daily Rate:	**$ 1,543.92**

Cost or work Breakdown for Line Item Based on above units and below durations

	Unit	Qty	Rate	Total
Pour New Concrete Collar	Days	31.5	$ 1,543.92	$ 48,633.48
*4 per day				
Materials / Vendors / Suppliers				
PAG 2500 PSI Concrete	CY	150	$ 92.00	$ 13,800.00
Short-Load Charge	EA	31	$ 125.00	$ 3,875.00
Wood & Stakes for Forming - 212 Collars	EA	35	$ 55.00	$ 1,925.00
LINE ITEM #	**2**		**TOTAL COST**	**$68,233.48**
			EA	**126.00**
			UNIT COST	**$ 541.54**

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Item	Description
3	**MH Adjustments**

LABOR	**QTY**	**Hours**	**Unit**	**Price**	**TOTAL**	**Rate**	**Labor Burden** 0.32	**Total**
Foremen	1	8	HR	$ 42.24	$ 337.92	$ 32.00	$ 10.24	$ 42.24
Operator	1	8	HR	$ 33.00	$ 264.00	$ 25.00	$ 8.00	$ 33.00
Laborer	2	8	HR	$ 29.04	$ 464.64	$ 22.00	$ 7.04	$ 29.04

EQUIPMENT	**QTY**	**Hours**	**Unit**	**Price**	**TOTAL**
Crew Trucks	1	8	DAY	$ 28.89	$ 231.12
185 CFM Compressor	1	8	HR	$ 18.96	$ 151.68
Pneumatic Chipping Hammers	1	8	HR	$ 1.12	$ 8.96
CAT 420E Backhoe	1	8	HR	$ 41.01	$ 328.08
Trailer	1	8	HR	$ 10.70	$ 85.60
				Crew, & Equipment Daily Rate:	**$ 1,872.00**

Cost or work Breakdown for Line Item Based on above units and below durations

	Unit	Qty	Rate	Total
MH Adjustments	Days	0.5	$ 1,872.00	$ 936.00

Materials / Vendors / Suppliers

Concrete Grade Rings	EA	4	$ 47.00	$ 188.00
Grout	Bag	2	$ 15.00	$ 30.00

LINE ITEM #	**3**	**TOTAL COST**	**$1,154.00**
		EA	**1.00**
		UNIT COST	**$ 1,154.00**

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Item	Description
4	**MH Reconstructions**

LABOR	**QTY**	**Hours**	**Unit**	**Price**	**TOTAL**	**Rate**	**Labor Burden** 0.32	**Total**
Foremen	1	8	HR	$ 42.24	$ 337.92	$ 32.00	$ 10.24	$ 42.24
Operator	1	8	HR	$ 33.00	$ 264.00	$ 25.00	$ 8.00	$ 33.00
Laborer	1	8	HR	$ 29.04	$ 232.32	$ 22.00	$ 7.04	$ 29.04
Truck Driver	1	8	HR	$ 30.36	$ 242.88	$ 23.00	$ 7.36	$ 30.36

EQUIPMENT	**QTY**	**Hours**	**Unit**	**Price**	**TOTAL**
Crew Trucks	1	8	DAY	$ 28.89	$ 231.12
185 CFM Compressor	1	8	HR	$ 18.96	$ 151.68
Pneumatic Chipping Hammers	1	8	HR	$ 1.12	$ 8.96
CAT 420E Backhoe	1	8	HR	$ 41.01	$ 328.08
10 Wheeler	1	4	HR	$ 81.57	$ 326.28
				Crew, & Equipment Daily Rate:	**$ 2,123.24**

Cost or work Breakdown for Line Item Based on above units and below durations

	Unit	Qty	Rate	Total
MH Reconstructions	Days	1	$ 2,123.24	$ 2,123.24

Materials / Vendors / Suppliers

MH Barrel Sections	EA	2	$ 575.00	$ 1,150.00
Sawcutting	EA	1	$ 150.00	$ 150.00
Flat Top	EA	1	$ 420.00	$ 420.00
Grout	Bag	2	$ 15.00	$ 30.00
Concrete Grade Rings	EA	4	$ 47.00	$ 188.00
Dump Fee	EA	2	$ 20.00	$ 40.00

LINE ITEM #	**4**	**TOTAL COST**	**$4,101.24**
		EA	**1.00**
		UNIT COST	**$ 4,101.24**

*includes reconstruction of cone section or (1) barrel section only. Not full replacement of manhole

PCRWRD - NORTH RILLITO INTERCEPTOR REHABILITATION PROJECT - 3NRI14
NEW SUCTION MANHOLE ACCESS FOR FMP - BID ITEM 1.4 on EXHIBIT A.3
EXHIBIT A.11 - LABOR/MATERIAL/EQUIPMENT BREAKDOWN

PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DISTRICT
CONSTRUCTION MANAGER AT RISK SERVICES

B&F CONTRACTING, INC.
1904 W. Prince Rd.
Tucson, AZ 85705
Office: (520) 207-8228 / Fax: (623) 582-3761

Date: 3/4/2015
GMP 2

Item	Description
1	Install New Suction MH for FMP- Includes Excavation, Removal, Saw-cutting, Setting, Backfill & Compaction

LABOR	QTY	Hours	Unit	Price	TOTAL	Rate	Labor Burden 0.32	Total
Foremen	1	8	HR	$ 42.24	$ 337.92	$ 32.00	$ 10.24	$ 42.24
Operator	2	8	HR	$ 33.00	$ 528.00	$ 25.00	$ 8.00	$ 33.00
Laborer	2	8	HR	$ 29.04	$ 464.64	$ 22.00	$ 7.04	$ 29.04
Truck Driver	1	8	HR	$ 30.36	$ 242.88	$ 23.00	$ 7.36	$ 30.36

EQUIPMENT	QTY	Hours	Unit	Price	TOTAL
Crew Trucks	1	8	DAY	$ 28.89	$ 231.12
CAT 329 Excavator	1	8	HR	$ 115.01	$ 920.08
CAT 420E Backhoe	1	8	HR	$ 41.01	$ 328.08
10 Wheel Dump Truck	1	8	HR	$ 79.55	$ 636.40
2500 Gallon Water Truck	1	8	HR	$ 41.18	$ 329.44
				Crew, & Equipment Daily Rate:	**$ 4,018.56**

Cost or work Breakdown for Line Item Based on above units and below durations

	Unit	Qty	Rate	Total
Install New Suction MH for FMP- Includes Excavation, Removal, Saw-cutting, Setting, Backfill & Compaction	Days	2.5	$ 4,018.56	$ 10,046.40
Materials / Vendors / Suppliers				
Jensen Precast - 84" Barrel Sections	EA	1	$ 3,740.00	$ 3,740.00
Sawcut Top of Pipe	EA	1	$ 570.00	$ 570.00
Jensen Precast - Flat Top Lid	EA	1	$ 1,020.00	$ 1,020.00
Slurry Backfill	CY	23	$ 88.00	$ 2,024.00
Dump Charge Fee	EA	4	$ 20.00	$ 80.00
Trench Shield / Shoring	Day	3	$ 165.00	$ 495.00
Shoring Delivery & Return	EA	2	$ 75.00	$ 150.00
LINE ITEM #	1		**TOTAL COST**	**$ 18,125.40**
			EA	**1.00**
			UNIT COST	**$ 18,125.40**

PCRWRD - NORTH RILLITO INTERCEPTOR REHABILITATION PROJECT - 3NRI14
CIPP INVERSION ACCESS - BID ITEM 2.9 on EXHIBIT A.3
EXHIBIT A.11 - LABOR/MATERIAL/EQUIPMENT BREAKDOWN
PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DISTRICT
CONSTRUCTION MANAGER AT RISK SERVICES

B&F CONTRACTING, INC.
1904 W. Prince Rd.
Tucson, AZ 85705
Office: (520) 207-8228 / Fax: (623) 582-3761

Date: 3/4/2015
GMP 2

Item	Description
1	CIPP Inversion Access - Removal of Existing Cones & Replacement with Barrel Sections & Flat Top Lid

LABOR	QTY	Hours	Unit	Price	TOTAL	Rate	Labor Burden 0.32	Total
Foremen	1	8	HR	$ 42.24	$ 337.92	$ 32.00	$ 10.24	$ 42.24
Operator	1	8	HR	$ 33.00	$ 264.00	$ 25.00	$ 8.00	$ 33.00
Laborer	2	8	HR	$ 29.04	$ 464.64	$ 22.00	$ 7.04	$ 29.04
Truck Driver	1	8	HR	$ 30.36	$ 242.88	$ 23.00	$ 7.36	$ 30.36

EQUIPMENT	QTY	Hours	Unit	Price	TOTAL
Crew Trucks	1	8	DAY	$ 28.89	$ 231.12
CAT 420E Backhoe	1	8	HR	$ 41.01	$ 328.08
Ingersoll Rand Reach Forklift	1	8	HR	$ 57.16	$ 457.28
10 Wheeler	1	8	HR	$ 81.57	$ 652.56
				Crew, & Equipment Daily Rate:	$ 2,978.48

Cost or work Breakdown for Line Item Based on above units and below durations

	Unit	Qty	Rate	Total
CIPP Inversion Access - Removal of Existing Cones & Replacement with Barrel Sections & Flat Top Lid	Days	1.5	$ 2,978.48	$ 4,467.72
Materials / Vendors / Suppliers				
Jensen Precast - 4' Barrel Section	EA	1	$ 575.00	$ 575.00
Jensen Precast - 2' Barrel Section	EA	1	$ 455.00	$ 455.00
Jensen Precast - 1' Barrel Section	EA	1	$ 288.00	$ 288.00
Jensen Precast - Flat Top	EA	1	$ 420.00	$ 420.00
Grade Rings	EA	3	$ 43.00	$ 129.00
Dump Charge Fee	EA	2	$ 20.00	$ 40.00
LINE ITEM #	1		TOTAL COST	$6,374.72
			EA	1.00
			UNIT COST	$ 6,374.72

PCRWRD - NORTH RILLITO INTERCEPTOR REHABILITATION PROJECT - 3NRI14
CLEARING & GRUBBING - BID ITEM 4.4 on EXHIBIT A.3
EXHIBIT A.11 - LABOR/MATERIAL/EQUIPMENT BREAKDOWN
PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DISTRICT
CONSTRUCTION MANAGER AT RISK SERVICES

B&F CONTRACTING, INC.
1904 W. Prince Rd.
Tucson, AZ 85705
Office: (520) 207-8228 / Fax: (623) 582-3761

Date: 3/4/2015
GMP 2

Item: 1 — Description: Clearing & Grubbing for RWRD Sewer Access - Phases 1 through 6

LABOR	QTY	Hours	Unit	Price	TOTAL	Rate	Labor Burden 0.32	Total
Foremen	1	8	HR	$ 42.24	$ 337.92	$ 32.00	$ 10.24	$ 42.24
Operator	1	8	HR	$ 33.00	$ 264.00	$ 25.00	$ 8.00	$ 33.00
Laborer	2	8	HR	$ 29.04	$ 464.64	$ 22.00	$ 7.04	$ 29.04
Truck Driver	1	8	HR	$ 30.36	$ 242.88	$ 23.00	$ 7.36	$ 30.36

EQUIPMENT	QTY	Hours	Unit	Price	TOTAL
Crew Trucks	1	8	DAY	$ 28.89	$ 231.12
CAT 420E Backhoe	1	8	HR	$ 41.01	$ 328.08
Ingersoll Rand Ride on Compactor	1	8	HR	$ 41.01	$ 328.08
10 Wheeler	1	8	HR	$ 81.57	$ 652.56
				Crew, & Equipment Daily Rate:	$ 2,849.28

Cost or work Breakdown for Line Item Based on above units and below durations

	Unit	Qty	Rate	Total
Clearing & Grubbing for RWRD Sewer Access - Phases 1 through 6	Days *3 days per Phase	18	$ 2,849.28	$ 51,287.04
Materials / Vendors / Suppliers		0	$ -	$ -
				$ -

LINE ITEM #	1	TOTAL COST	$51,287.04
		EA	1.00
		UNIT COST	$ 51,287.04

Item: 2 — Description: Mobilization & Demobilization

EQUIPMENT	QTY	Unit	Price	TOTAL
Backhoe	1	EA	$ 250.00	$ 250.00
Ingersoll Rand Ride on Compactor	1	EA	$ 250.00	$ 250.00
			Mobilization Cost	$ 500.00
	6		Trips for Mob/Demob	$ 3,000.00
LINE ITEM #	2		TOTAL COST	$ 3,000.00

LUMP SUM TOTAL FOR CLEAR & GRUBB - MOBILIZATION / DEMOBILIZATION $ 54,287.04

PCRWRD - NORTH RILLITO INTERCEPTOR REHABILITATION PROJECT - 3NRI14
PHASE 5 DETOUR PATH FOR NRI RELIEF - BID ITEM 4.6 on EXHIBIT A.3
EXHIBIT A.11 - LABOR/MATERIAL/EQUIPMENT BREAKDOWN
PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DISTRICT
CONSTRUCTION MANAGER AT RISK SERVICES

B&F CONTRACTING, INC.
1904 W. Prince Rd.
Tucson, AZ 85705
Office: (520) 207-8228 / Fax: (623) 582-3761

Date: 3/4/2015
GMP 2

Item 1 — Description: Phase 5 Detour Path for NRI Relief - Create Access & Clear Pathway

LABOR	QTY	Hours	Unit	Price	TOTAL	Rate	Labor Burden 0.32	Total
Foremen	1	8	HR	$ 42.24	$ 337.92	$ 32.00	$ 10.24	$ 42.24
Operator	2	8	HR	$ 33.00	$ 528.00	$ 25.00	$ 8.00	$ 33.00
Laborer	2	8	HR	$ 29.04	$ 464.64	$ 22.00	$ 7.04	$ 29.04
Truck Driver	1	8	HR	$ 30.36	$ 242.88	$ 23.00	$ 7.36	$ 30.36

EQUIPMENT	QTY	Hours	Unit	Price	TOTAL
Crew Trucks	2	8	DAY	$ 28.89	$ 462.24
CAT 420E Backhoe	1	8	HR	$ 41.01	$ 328.08
CAT 56B Vibratory Compactor	1	8	HR	$ 67.05	$ 536.40
10 Wheeler	1	8	HR	$ 81.57	$ 652.56
				Crew, & Equipment Daily Rate:	$ 3,552.72

Cost or work Breakdown for Line Item Based on above units and below durations

	Unit	Qty	Rate	Total
Phase 5 Detour Path for NRI Relief - Create Access & Clear Pathway	Days	2	$ 3,552.72	$ 7,105.44
Materials / Vendors / Suppliers				
		0	$ -	$ -
				$ -

LINE ITEM #	1	TOTAL COST	$7,105.44
		EA	1.00
		UNIT COST	$ 7,105.44

Item 2 — Description: Mobilization & Demobilization

EQUIPMENT	QTY	Unit	Price	TOTAL
CAT 56B Vibratory Compactor	1	EA	$ 250.00	$ 250.00

		Mobilization Cost	$ 250.00
	2	Trips for Mob/Demob	$ 500.00
LINE ITEM #	2	TOTAL COST	$ 500.00

LUMP SUM TOTAL FOR DETOUR PATH CLEARING, MOBILIZATION & DEMOBILIZATION $ 7,605.44

PCRWRD - NORTH RILLITO INTERCEPTOR REHABILITATION PROJECT - 3NRI14
SITE RESTORATION & CLEANUP - BID ITEM 4.5 on EXHIBIT A.3
EXHIBIT A.11 - LABOR/MATERIAL/EQUIPMENT BREAKDOWN
PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DISTRICT
CONSTRUCTION MANAGER AT RISK SERVICES

B&F CONTRACTING, INC.
1904 W. Prince Rd.
Tucson, AZ 85705
Office: (520) 207-8228 / Fax: (623) 582-3761

Date: 3/4/2015
GMP 2

Item: 1 — Description: Site Restoration, Cleanup & Re-Grading Actitivies - Phases 1 through 6

LABOR	QTY	Hours	Unit	Price	TOTAL	Rate	Labor Burden 0.32	Total
Foremen	1	8	HR	$ 42.24	$ 337.92	$ 32.00	$ 10.24	$ 42.24
Operator	1	8	HR	$ 33.00	$ 264.00	$ 25.00	$ 8.00	$ 33.00
Laborer	1	8	HR	$ 29.04	$ 232.32	$ 22.00	$ 7.04	$ 29.04
Truck Driver	1	4	HR	$ 30.36	$ 121.44	$ 23.00	$ 7.36	$ 30.36

EQUIPMENT	QTY	Hours	Unit	Price	TOTAL
Crew Trucks	1	8	DAY	$ 28.89	$ 231.12
CAT 420E Backhoe	1	8	HR	$ 41.01	$ 328.08
10 Wheeler	1	4	HR	$ 81.57	$ 326.28
				Crew, & Equipment Daily Rate:	$ 1,841.16

Cost or work Breakdown for Line Item Based on above units and below durations

	Unit	Qty	Rate	Total
Site Restoration, Cleanup & Re-Grading Actitivies - Phases 1 through 6	Days	10	$ 1,841.16	$ 18,411.60
Materials / Vendors / Suppliers				
Decomposed Granite	Tons	350	$ 51.50	$ 18,025.00
LINE ITEM #	1		TOTAL COST	$36,436.60
			EA	1.00
			UNIT COST	$ 36,436.60

Item: 2 — Description: Mobilization & Demobilization

EQUIPMENT	QTY	Unit	Price	TOTAL
Backhoe	2	EA	$ 250.00	$ 500.00
Ingersoll Rand Reach Forklift	1	EA	$ 250.00	$ 250.00
Misc. Trips for Materials/Parts/Equipment	2	EA	$ 250.00	$ 500.00
			Mobilization Cost	$ 1,250.00
		6	Trips for Mob/Demob	$ 7,500.00
LINE ITEM # 2			TOTAL COST	$ 7,500.00

LUMP SUM TOTAL FOR MOBILIZATION / DEMOBILIZATION & SITE RESTORATION $ 43,936.60

PCRWRD - NORTH RILLITO INTERCEPTOR REHABILITATION PROJECT - 3NRI14
ODOR CONTROL CARBON SCRUBBERS- BID ITEM 2.12 & 2.13 on EXHIBIT A.3
EXHIBIT A.11 - LABOR/MATERIAL/EQUIPMENT BREAKDOWN

PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DISTRICT

CONSTRUCTION MANAGER AT RISK SERVICES

B&F CONTRACTING, INC.
1904 W. Prince Rd.
Tucson, AZ 85705
Office: (520) 207-8228 / Fax: (623) 582-3761

Date: 3/4/2015
GMP 2

Item	Description
1	**Calgon Carbon Odor Control Scrubbers for FMP & CIPP Lining - Monthly Rental**

ODOR CONTROL EQUIPMENT MONTHLY RENTAL

Calgon Carbon Odor Scrubber	EA	2	$	3,750.00	$	7,500.00
25KW Generator	EA	2	$	1,100.00	$	2,200.00
O/T 25KW Generator Operating Cost	EA	2	$	1,760.00	$	3,520.00
Fuel	EA	2	$	2,553.00	$	5,106.00
Monthly Maintenance/Service Costs	EA	2	$	150.00	$	300.00
LINE ITEM #	**1**			**Monthly Rental**		**$18,626.00**
				Months		**6.00**
				TOTAL COST	**$**	**111,756.00**

Item	Description
2	**Mobilization, Demobilization, Installation & Carbon Filter Recharge**

LABOR	QTY	Hours	Unit		Price		TOTAL		Rate		Labor Burden 0.32		Total
Foremen	1	8	HR	$	42.24	$	337.92	$	32.00	$	10.24	$	42.24
Operator	1	8	HR	$	33.00	$	264.00	$	25.00	$	8.00	$	33.00
Laborer	1	8	HR	$	29.04	$	232.32	$	22.00	$	7.04	$	29.04

EQUIPMENT	QTY	Hours	Unit		Price		TOTAL
Crew Trucks	1	8	DAY	$	28.89	$	231.12
rsoll Rand 10k Forklift	1	8	HR	$	57.16	$	457.28
			Crew, & Equipment Daily Rate:			**$**	**1,522.64**

Cost or work Breakdown for Line Item Based on above units and below durations

	Unit	Qty		Rate		Total
Mobilization, Demobilization, Installation & Carbon Filter	Days	2	$	1,522.64	$	3,045.28

Suppliers / Vendors / Materials

Carbon Filter Recharge	EA	2	$	3,870.00	$	7,740.00
Electrical Hookup	EA	12	$	200.00	$	2,400.00
LINE ITEM #	**2**			**Total Cost**		**$13,185.28**

LUMP SUM TOTAL FOR ODOR CONTROL $ **124,941.28**

EXHIBIT A.11.a
FLOW MANAGEMENT PLAN - SUMMARY OF COSTS
Construction Manager at Risk for Pima County Regional Wastewater Reclamation Department - North Rillito Interceptor Rehabilitation Project

Project No.	3NRI14	**Date:**	3/10/2015
Project Title	North Rillito Interceptor Rehab Project	**GMP:**	**2**
Project Locatio	Woodland Rd. to Campbell Rd.	**B&F Job #:**	**3150**

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Item	Description	Quantity	Unit		Price		Extension
	Flow Management Phase 4 - Setup, Operation & Teardown - Bid Item 1.1						
1	Phase 4 - Setup, Testing, Operation & Teardown	1	LS	$	246,639.43	$	246,639.43
2	Phase 4 - Operate FMP System	1	LS	$	267,062.30	$	267,062.30
					Phase 4 Subtotal	**$**	**513,701.73**
	FMP Phase 4 - AC Restoration, ABC, Trenching, Plates, Etc. - Bid Item 1.4						
1	Phase 4 - Trenching, Backfill, Plates AC Restorat	1	LS	$	35,268.11	$	35,268.11
					Phase 4 Subtotal	**$**	**35,268.11**

Project Name: NRI Rehab - Phase 4 FMP
City: Pima County Regional Wastewater Reclamatio
DATE: 3/10/2015
Document Name: FMP Phase 4 - Estimate Recap

See Bid Item 1.1 on Exhibit A.3 or Exhibit A.11.a for the Cost Summary

Production Task Items Labor	17,900.38	SUBTOTAL COLUMN #1		133,208.68
Overtime (0%)	-	PRODUCTION EQUIP		19,505.79
Cost for I-Beam Supports at Wash	-	INSTALL/REMOVE EQUIP		93,924.96
FMP Mobilization/Demobilization	14,900.00	TOTAL DIRECT COSTS		246,639.43
Bypass Setup/Teardown Labor	57,193.75	Bypass MUP		
Equipment Rental During Setup	43,214.55	FMP Setup/Teardown Subtotal		246,639.43
SUBTOTAL COLUMN #1	133,208.68			
		FMP Installation/Removal Cost	**$**	**246,639.43**
# DAYS RUN TIME IN WORKSHEET	*25.00*	**FMP Rental & Operation Cost**	**$**	**267,062.30**
		FMP TOTAL COST	**$**	**513,701.73**

Project Name: **NRI Rehab - Phase 4 FMP**
City: **Pima County Regional Wastewater Reclamation Department**
DATE: **3/11/2015**
Document Name: **FMP Phase 4 - Trenching, AC Restoration, ABC, Plates, Etc.**

See Bid Item 1.2 on Exhibit A.3 or Exhibit A.11.a for the Cost Summary

Production Task Items Labor	9,356.31	Asphalt	4,092.59
		Sawcutting	720.00
SUBTOTAL COLUMN #1	9,356.31	Milling for Plates	600.00
		Slurry	3,200.00
		ABC Subgrade	$333.33
		Trucking / Hauling	2,736.00
		Traffic Plate Rental	2,920.80
		Concrete Driveway 9" thick	3,900.00
		Dump Fees	120.00
		SUBTOTAL COLUMN #2	18,622.73
		SUBTOTAL COLUMN #1	9,356.31
		Production Task Items Equip	7,289.08
		TOTAL DIRECT COSTS	35,268.11
		SUBTOTAL	**35,268.11**

EXHIBIT A.11.b

CIPP LINING - SUMMARY OF COSTS

Construction Manager at Risk for Pima County Regional Wastewater Reclamation Department - North Rillito Interceptor Rehabilitation Project

Project No.	3NRI14	Date:	3/10/2015
Project Title	North Rillito Interceptor Rehab Project	GMP:	2
Project Locatio	Woodland Rd. to Campbell Rd.	B&F Job #:	3150

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Item	Description	Quantity	Unit	Unit Price	Total
	CIPP Lining Phase 1 - Bid Item 2.1				
1	Mobilization	1	LS	$ 12,900.00	$ 12,900.00
2	15" CIPP Lining (8716-20 to 8716-10)	5100	LF	$ 31.70	$ 161,670.00
3	15" Pre-Liner	5100	LF	$ 3.90	$ 19,890.00
4	18" CIPP Lining (8716-10 to 8716-02)	3009	LF	$ 42.80	$ 128,785.20
5	18" Pre-Liner	3009	LF	$ 4.50	$ 13,540.50
6	24" CIPP Lining (8716-02 to 4466-IN)	416	LF	$ 76.00	$ 31,616.00
				Phase 1 Subtotal	**$ 368,401.70**
	CIPP Lining Phase 2 - Bid Item 2.2				
1	Mobilization	1	LS	$ 12,900.00	$ 12,900.00
2	21" CIPP Lining (1811-01A to 1700-16)	278	LF	$ 72.70	$ 20,210.60
3	21" Pre-liner	278	LF	$ 5.30	$ 1,473.40
4	24" CIPP Lining (4466-OUT to 1811-01A)	155	LF	$ 110.80	$ 17,174.00
5	27" CIPP Lining (1700-16 to 1700-15 & 6295-01 to 1700-04	5304	LF	$ 75.20	$ 398,860.80
6	27" Pre-liner	5304	LF	$ 5.30	$ 28,111.20
7	27" CIPP Lining (1700-15 to 6295-01)	852	LF	$ 75.20	$ 64,070.40
				Phase 2 Subtotal	**$ 542,800.40**
	CIPP Lining Phase 3 - Bid Item 2.3				
1	Mobilization	1	LS	$ 12,900.00	$ 12,900.00
2	27" CIPP Lining (MH 1700-04 to MH 1714-12)	1857	LF	$ 77.90	$ 144,660.30
3	27" Pre-Liner for CIPP Lining (MH 1700-04 to MH 1714-12)	1857	LF	$ 5.30	$ 9,842.10
4	30" CIPP Lining (MH 1714-12 to MH 1714-08 and MH 1714-07 to MH 5033-03)	7938	LF	$ 84.50	$ 670,761.00
5	30" CIPP Lining (MH 1714-08 to MH 1714-07)	883	LF	$ 81.80	$ 72,229.40
				Phase 3 Subtotal	**$ 910,392.80**
	CIPP Lining Phase 4 - Bid Item 2.4				
1	Mobilization	1	LS	$ 12,900.00	$ 12,900.00
2	30" CIPP Lining (MH 5033-03 to MH 1712-06)	2681	LF	$ 91.80	$ 246,115.80
3	33" CIPP Lining (MH 1712-06 to MH 1712-01)	2761	LF	$ 95.70	$ 264,227.70
				Phase 4 Subtotal	**$ 523,243.50**
	CIPP Lining Phase 5 - Bid Item 2.5				
1	Mobilization	1	LS	$ 12,900.00	$ 12,900.00
2	33" CIPP Lining (1712-01 to 1710-05)	5383	LF	$ 111.10	$ 598,051.30
				Phase 5 Subtotal	**$ 610,951.30**
	CIPP Lining Phase 6 - Bid Item 2.6				
1	Mobilization	1	LS	$ 12,900.00	$ 12,900.00
2	33" CIPP Lining (1710-05 to 1710-01)	2397	LF	$ 103.20	$ 247,370.40
3	33" CIPP Lining (1710-01 to 5117-05)	2715	LF	$ 98.40	$ 267,156.00
4	36" CIPP Lining (5117-05 to 1708-13)	9686	LF	$ 124.20	$ 1,203,001.20
				Phase 6 Subtotal	**$ 1,730,427.60**
	ADD ALTERNATES - Bid Items 2.7 & 2.8	**TOTAL FOR CIPP LINING**			**$ 4,686,217.30**
1	(CIPP lining repair for removal of bumps or wrinkles using a compatible epoxy product (estimated at 3 per phase)	15	EA	$ 881.30	$ 13,219.50
2	HCS Reinstatement (estimated at 3 per phase)	12	EA	150	$ 1,800.00
				Add Alternates Total	**$ 15,019.50**

EXHIBIT A.11.c
MH COATINGS & REHABILITATION - SUMMARY OF COSTS
Construction Manager at Risk for Pima County Regional Wastewater Reclamation Department - North Rillito Interceptor Rehabilitation Project

Project No.	3NRI14	**Date:**	3/10/2015
Project Title	North Rillito Interceptor Rehab Project	**GMP:**	2
Project Location	Woodland Rd. to Campbell Rd.	**B&F Job #:**	3150

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Item	Description	Quantity	Unit	Unit Price	Total
	MH Coatings & Rehabilitation Phase 1 - Bid Item 3.1				
1	Rehabilitate and Coat Existing Manholes	181	VF	$ 760.00	$ 137,560.00
2	Rehabilitate and Coat Existing Base for MH Structural Inserts (8716-05 & 8716-	2	EA	$ 4,620.00	$ 9,240.00
3	Coat New CIP MH Base for 72" Manhole R/R (8716-07, 8716-06, 8716-03)	3	EA	$ 5,489.00	$ 16,467.00
4	Adhesion Tests	20	EA	$ 253.00	$ 5,060.00
5	1-inch additional underlayment application for extremely deteriorated manholes	45	VF	$ 270.00	$ 12,150.00
				Phase 1 Subtotal	**$ 180,477.00**
	MH Coatings & Rehabilitation Phase 2 - Bid Item 3.2				
1	Rehabilitate and Coat Existing Manholes	160	VF	$ 760.00	$ 121,600.00
2	Rehabilitate and Coat Existing Base for MH Structural Insert (MH 1700-12)	1	EA	$ 4,620.00	$ 4,620.00
3	Coat New CIP MH Base for 60" MH R/R (1700-07)	1	EA	$ 4,598.00	$ 4,598.00
4	Coat New CIP MH Base for 84" MH R/R (1700-15, 6295-01, 1700-11, 1700-09,	5	EA	$ 5,720.00	$ 28,600.00
5	Adhesion Tests	20	EA	$ 253.00	$ 5,060.00
6	1-inch additional underlayment application for extremely deteriorated manholes	44	VF	$ 270.00	$ 11,880.00
				Phase 2 Subtotal	**$ 176,358.00**
	MH Coatings & Rehabilitation Phase 3 - Bid Item 3.3				
1	Rehabilitate and Coat Existing Manholes	423	VF	$ 760.00	$ 321,480.00
2	Adhesion Tests	12	EA	$ 253.00	$ 3,036.00
3	1-inch additional underlayment application for extremely deteriorated manholes	106	VF	$ 270.00	$ 28,620.00
				Phase 3 Subtotal	**$ 353,136.00**
	MH Coatings & Rehabilitation Phase 4 - Bid Item 3.4				
1	Rehabilitate and Coat Existing Manholes	141	VF	$ 760.00	$ 107,160.00
2	Adhesion Tests	5	EA	$ 253.00	$ 1,265.00
3	1-inch additional underlayment application for extremely deteriorated manholes	36	VF	$ 270.00	$ 9,720.00
				Phase 4 Subtotal	**$ 118,145.00**
	MH Coatings & Rehabilitation Phase 5 - Bid Item 3.5				
1	Rehabilitate and Coat Existing Manholes	220	VF	$ 760.00	$ 167,200.00
2	Adhesion Tests	5	EA	$ 253.00	$ 1,265.00
3	1-inch additional underlayment application for extremely deteriorated manholes	55	VF	$ 270.00	$ 14,850.00
				Phase 5 Subtotal	**$ 183,315.00**
	MH Coatings & Rehabilitation Phase 6 - Bid Item 3.6				
1	Rehabilitate and Coat Existing Manholes	653	VF	$ 760.00	$ 496,280.00
2	Coat New CIP MH Base for 84" MH R/R (1708-34A)	1	EA	$ 5,720.00	$ 5,720.00
3	Coat New CIP MH Base for 120" MH R/R (1708-36, 1708-34, 1708-25)	3	EA	$ 7,480.00	$ 22,440.00
4	Adhesion Tests	26	EA	$ 253.00	$ 6,578.00
5	1-inch additional underlayment application for extremely deteriorated manholes	164	VF	$ 270.00	$ 44,280.00
				Phase 6 Subtotal	**$ 575,298.00**
	3 Year Warranty/Maintenance Bond - Bid Item 3.7	1	LS	$ 52,362.06	**$ 52,362.06**
	Re-Work for Cosmetic Smooth Finish - Bid Item 3.8				
	Efforts for cosmetic finish work to provide irregularity free uniform finish, free from trowel marks, voids, depressions, ripples, waves, bubbles, bumps or cracking in the final coating layer using an approved repair method. To provide uniform profile for coating.	126	HR	$ 160.00	$ 20,160.00
				TOTAL FOR MH COATINGS & REHABILITATION	**$ 1,659,251.06**
	ADD ALTERNATES - Bid Item 3.9				
1	Rehab & Coat Existing Sabino Creek Siphon Inlet & Outlet Structure	2	EA	$ 19,393.00	$ 38,786.00
2	Adhesion Tests for Siphon Inlet & Outlet Structure	8	EA	$ 253.00	$ 2,024.00
				TOTAL FOR ADD ALTERNATES	**$ 40,810.00**

EXHIBIT A.12

ENVIRONMENTAL PERMIT COORDINATION - BID ITEM 5.0, 5.1 & 5.2

Construction Manager at Risk for Pima County Regional Wastewater Reclamation Department - North Rillito Interceptor Rehabilitation Project

Project No.	3NRI14	**Date:**	3/10/2015
Project Title	North Rillito Interceptor Rehab Project	**GMP:**	2
Project Location	Woodland Rd. to Campbell Rd.	**B&F Job #:**	3150

****

Item	Description	Quantity	Unit	Unit Price	Extension
	Environmental Permit Coordination for Nationwide Permit & US Waters				
1	Nationwide Permit Coordination for US Waters	1	LS	$ 12,000.00	$ 12,000.00
2	Biological Evaluation Survey	1	LS	$ 5,000.00	$ 5,000.00
				Subtotal	**$ 17,000.00**
				Consulting Services Subtotal	**$ 17,000.00**

404 Permit assistance only
$ 12,000.00

333 E. Wetmore Rd., Ste. 165
Tucson, Arizona 85705
Tel: 520-624-5744
Fax: 520-791-2738
www.brownandcaldwell.com

February 2, 2015

Brown AND Caldwell

Mr. Dan Foley
Project Manager
B&F Contracting, Inc.
1908 West Prince Road
Tucson, Arizona 85705

Subject: Proposal for North Rillito Interceptor (NRI) Rehabilitation Project
404 Permitting Support and Pipeline Replacement Design Services

Dear Mr. Foley:

Brown and Caldwell (BC) is pleased to submit this proposal for U.S. Corp of Engineers 404 Permitting Support and Pipeline Replacement Design Services for the NRI Rehabilitation Project.

Background

Pima County Regional Wastewater Reclamation Department (PCRWRD) has an active pipeline inspection program as part of their Capacity Management, Operations and Maintenance program. Recent inspection of the NRI has revealed significant and active deterioration of the pipeline. PCRWRD would like to rehabilitate approximately 9.8 miles of pipeline using Cured in Place Pipe (CIPP) trenchless methods. The NRI consists of unlined and lined Asbestos-Cement Pipe and Reinforced Concrete Pipe ranging in diameter from 15 inches to 36 inches. B&F Contracting (B&F) is proposing to perform this rehabilitation in six (6) phases.

In order to rehabilitate the NRI pipeline, U.S. Corp of Engineers 404 permitting support is required to perform the jurisdictional delineation and pre-construction notification analysis. In addition, PCRWRD would like to perform open-cut pipeline replacement in order to improve hydraulics by abandoning manhole 1700-10 (90-degree bend) and install three (3) new manholes.

Scope of Services

The following task will be added to the ongoing NRI rehabilitation project by amending the current contract (B&F project number 3145). The contract terms and conditions will remain unchanged.

Task 007 – U.S. Corp of Engineers 404 Permitting Support Services

Brown and Caldwell (BC) will provide 404 permitting assistance by performing a jurisdiction review for areas of the NRI rehabilitation project phases 1-6 that fall within areas considered waters of the U.S. Based on disturbance areas and construction activities, BC will contact the U.S. Corp of Engineers and discuss what Nationwide permit is applicable to the project.

BC will develop maps showing disturbance areas within 404 designated areas and provide a summary report that summarizes the Nationwide permit selection and determination on pre-construction notification requirements. The permit assistance is limited to U.S. Corp of Engineers only. As part of the pre-construction notification determination, both environmental and cultural surveys and clearance are required in the disturbance areas (by others).

Assumptions:

- BC will attend one (1) project meeting in Tucson to review findings.
- Cultural and Environmental surveys are to be performed by others.
- Due to the nature of permitting, this work will be performed on a time and materials basis. If the estimated budget for this work is exhausted, additional permitting assistance can be performed if additional budget is authorized.

Deliverables:

- Draft submittal of 404 area drawings for review and comment.
- Draft submittal of summary report describing jurisdictional delineation and nationwide permit notification determination.
- Final drawings and report.

Task 008 – Pipeline Replacement Design Services

BC will develop drawings and specifications to realign two pipelines that currently tie into Manhole 1700-10. The current configuration of this manhole is not ideal for access or hydraulics. The manhole is located next to a driveway way with no direct access, and is configured with a 90-degree horizontal bend in a standard 60-inch manhole. The intent of this realignment is to abandon this manhole and install three (3) new manholes as shown in black per the figure below:

The 27-inch diameter pipeline that is to be realigned will require approximately 125 linear feet of open cut installation. The 8-inch diameter pipeline from 5191-01 will require approximately 145 linear feet of open-cut installation. New pipelines and manholes will utilize PCRWRD Standard Details and Specifications, 2012 Edition, as applicable. It is assumed that customized manhole bases will be required to be built around the existing pipeline. BC will develop plan and profile sheets for these pipeline realignments, design manholes, and details to submit to the Arizona Department of Environmental Quality (ADEQ) for a Realignment Construction Authorization. All subsurface utility investigations are excluded from this scope of services. Design effort due to utility conflicts that require utility relocation is excluded from this scope of services.

Assumptions:

- BC will develop up to four (4) drawing sheets for this realignment (including general notes and details).
- Drawings and specifications developed for this realignment will need to be integrated into the CIPP drawings and specifications (by PCRWRD). BC will work with PCRWRD on format and numbering of drawings and specifications.
- There is not a geotechnical investigation included as part of this work. It will be assumed a conservative allowable bearing pressure of 1,500 pounds per square foot for pipeline and manhole base design.
- Survey for new pipeline alignments will be required and is not included in this scope of work. Depth of manholes shown on drawings will be approximate and will be built up to existing grade.
- ADEQ Construction Authorizations for pipeline realignment and new manholes will be required. It is assumed that this work can be permitted as realignment with ADEQ. If additional permitting is required, it can be performed on a time and material basis but is currently not included in this scope of services.
- Subsurface utility locating (potholing) will be performed by others, if necessary.
- There will be one (1) review meeting after the draft submittal of the drawings and specifications.
- Easement acquisition (temporary and permanent) is not included in this scope of work.

Deliverables:

- Draft submittal of drawings and specifications for review and comment.
  - Electronic PDF of drawings and specifications.
- Review meeting minutes and responses to PCRWRD review comments.
- Final submittal of drawings and specifications for PCRWRD to incorporate into CIPP design.
  - One full-size signed and sealed hard copy of drawings.
  - One signed and sealed hard copy of specifications.
  - One electronic copy (PDF format) of drawings and specifications.
- Develop record drawings based on Contractor redlines for submission to ADEQ.

Schedule

The scope of services is based on the following assumed schedule/milestones. Should the Notice to Proceed date change, subsequent milestones will be adjusted accordingly with incremental times between milestones to remain similar.

- Notice to Proceed.
- Schedule for open-cut pipeline design services task is not expected to exceed four (4) months after Notice to Proceed.

Compensation

BC will perform the services described above on a time-and-materials basis per Exhibit A in the not to exceed amount of $32,148. These fees are based on the scope of services and assumptions described herein.

Any requested activity outside of this scope of services can be performed on a time-and-materials basis in accordance with our standard rate schedule (Exhibit B). BC will obtain authorization from B&F prior to performing work outside of the scope of services defined herein.

BC appreciates the opportunity to provide this proposal to B&F and is looking forward to working with you on this important project. If you have questions regarding this proposal, please call Mr. Mark Poppe at 520-918-2314.

Very truly yours,

Brown and Caldwell, Inc.

Ronald L. Ablin, P.E.
Vice President

Mark A. Poppe, P.E.
Project Manager

RLA:MAP:sjw

Attachments:
Exhibit A – Compensation
Exhibit B – BC Standard Rate Schedule

Exhibit A Compensation

Phase	Phase Description	Poppe, Mark A	Barnett, Candice L	Moraca, Tracy H	Bucasas, Rhonda R	Forrister, Lindsey D	Harper, Scott W	Anderson, Dawn M	Moraca, Patrick M	Redmond, Ann M	Total Labor Hours	Total Labor Effort	ADEQ Permit Fees	Other Travel	Total ODCs	Total Expense Cost	Total Expense Effort	Total Effort
Pima, County of (AZ) -- NRI Rehabilitation - BandF																		
		PM	PA															
		$167.00	$107.00	$219.00	$107.00	$148.00	$252.00	$167.00	$189.00	$219.00								
007	404 Permitting Assistance	14	0	0	0	22	0	0	32	1	69	11,861	0	139	139	139	139	12,000
008	Realignment Design	60	2	2	2	40	2	14	0	0	122	19,648	500	0	500	500	500	~~20,148~~
	GRAND TOTAL	74	2	2	2	62	2	14	32	1	191	31,509	500	139	639	639	639	~~32,148~~

404 Permit Assistance

Brown AND Caldwell

Exhibit B - Negotiated Qualified Consultant List Rate Schedule
Labor Classifications and Hourly Rates with Pima County 2008

Level	Discipline / Classification			Average Direct Labor Rate	Overhead	Profit	Billing Rate
	Engineering	Technical/Scientific	Administrative		%	%	
A			Office/Support Services I	$18.70	186.89%	10%	$59
B	Drafter Trainee	Field Service Technician I	Word Processor I, Office/Support Services II	$22.50	186.89%	10%	$71
C	Assistant Drafter	Field Service Technician II	Word Processor II, Office/Support Services III	$25.35	186.89%	10%	$80
D	Drafter, Engineering Aide, Inspection Aide	Field Service Technician III	Accountant I, Project Coordinator I, Word Processor III, Office/Support Services IV	$28.84	186.89%	10%	$91
E	Engineer I, Senior Drafter, Senior Illustrator, Inspector I	Geologist I, Hydrogeologist I, Scientist I, Senior Field Service Technician	Accountant II Project Coordinator II Word Processor IV	$33.91	186.89%	10%	$107
F	Engineer II, Inspector II, Lead Drafter, Lead Illustrator	Geologist II, Hydrogeologist II, Scientist II	Accountant III, Area Business Operations Manager, Technical Writer, Word Processing Supervisor	$39.93	186.89%	10%	$126
G	Engineer III, Inspector III, Senior Designer, Supervising Drafter, Supervising Illustrator	Geologist III, Hydrogeologist III, Scientist III	Accountant IV, Administrative Manager	$46.90	186.89%	10%	$148
H	Senior Engineer, Principal Designer, Senior Construction Engineer, Senior Engineer	Senior Geologist, Senior Hydrogeologist, Senior Scientist	Senior Technical Writer	$52.92	186.89%	10%	$167
I	Principal Engineer, Principal Construction Engineer, Supervising Designer	Principal Geologist, Principal Hydrogeologist, Principal Scientist	Corporate Contract Administrator	$59.89	186.89%	10%	$189
J	Supervising Engineer Supervising Construction Engineer	Supervising Geologist, Supervising Hydrogeologist, Supervising Scientist	Assistant Controller	$62.11	186.89%	10%	$196
K	Managing Engineer	Managing Geologist, Managing Hydrogeologist, Managing Scientist	Area Business Operations Manager IV	$69.40	186.89%	10%	$219
L	Chief Engineer Executive Engineer	Chief Geologist, Chief Hydrogeologist, Chief Scientist	Corporate Marketing Communications Manager	$74.78	186.89%	10%	$236
M	Vice President			$79.85	186.89%	10%	$252
N	Senior Vice President			$83.66	186.89%	10%	$264

Brown AND Caldwell