

Addendum No.

Date of Addendum

No. 1	Nov. 26, 1973
No. 2	Dec. 18, 1973
No. 3	Jan. 16, 1974
No. 4	Dec. 18, 1973
No. 5	Dec. 21, 1973
No. 6	Dec. 28, 1973
No. 7	Feb 1, 1974
No. 8	Jan. 29, 1974
No. 9	Feb. 11, 1974
# 10	2/12/74

10. The bidder understands that the quantities in unit price work are approximate only and are presented solely for the purpose of comparing bids. He understands and agrees that the Owner may increase or decrease the quantity of work to be done under any item. He further agrees that in case of any error or inconsistency in the figures contained in the proposal the unit prices shall govern, and that if his proposal is accepted, the unit prices contained in the proposal are the unit prices which he will receive and which the Owner will pay for the work specified to be done under the items, in the manner set forth and required by the Contract Documents, without recitation or repetition of said unit prices in the contract agreement.

11. LIST OF INTENDED SUBCONTRACTORS

<u>Subcontractor (Name and Address)</u>	<u>Work To Be Performed</u>
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John Calavitti Co. 3200 Scotts Lane, Phila. Pa.	Elec. Manholes
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" " " " " "	Reinforcing Rods
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Brenneman Co. 121 So. Broad St. Phila. Pa.	Piles
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INFORMATION TO BE FURNISHED BY BIDDER

12. The undersigned proposed to furnish the following equipment, contingent upon its conformity to the Specifications and its approval by the Engineer. One Manufacturer's name must be stated. Use of the words "as specified" or similar wording will not be acceptable in lieu of the Manufacturer's name.

NOTE: In the event that the Bidder names more than one Manufacturer for any unit, the Owner reserves the right to select and designate which Manufacturer shall furnish said unit. The Owner also reserves the right to reject all Manufacturers named by the Bidder whose products do not meet the requirements of the Specifications.

See Contract Article 10 (c) and (d)

<u>UNIT</u>	<u>MANUFACTURER</u>
13.2 KV Metalclad Switchgear	General Electric ✓
Unit Substations Nos. 1,2,3&4	" "
Motor Control Centers A thru Q	" "
Dry Type Lighting Transformers	" "
P.V.C. Coated Rigid Steel Conduit	As per plans and specs.
Fire Duct	" " " "
Telemetry Cable	" " " "
Interior Lighting Fixtures (List on separate sheet)	" " " "
Exterior Lighting Fixtures (List on separate sheet)	" " " "
Remote Control Stations	" " " "
Paging System	Executone
Panelboards	General Electric

DELAWARE COUNTY REGIONAL WATER QUALITY CONTROL AUTHORITY  
CONSTRUCTION FUND FOR INITIAL PROJECT

REQUISITION BY AUTHORITY

(Not to be used for Philadelphia Contribution Account)

To: Girard Trust Bank, Trustee  
Philadelphia, Pennsylvania

Attn: Corporate Trust Department

No. 1937

Date September 17, 1977

You are hereby requested to make disbursement of funds from the Construction Fund for the Project (other than moneys in the Philadelphia Contribution Account therein), held by you as Trustee under the Trust Indenture of this Authority dated May 1, 1974 securing its Sewer Revenue Bonds, to the payee, of the amount for the purpose set forth:

Payee: Daniel J. Seabloom, Company

Payee's Address: 272 Lancaster Avenue, Philadelphia, PA, 19107

Amount: \$ 29,851.00

Purpose of Obligation: Payment of (Phase) Construction

(Unless otherwise stated, Trustee shall assume payment is made under terms of Construction Contract)

In connection therewith the Authority hereby certifies that the above amount is now due, that such obligation has been properly incurred by the Authority, is a proper charge against the above-named Construction Fund under the provisions of the aforesaid Trust Indenture, is unpaid, has not been the basis of any previous withdrawal, and that if this requisition is for payment under a construction contract, the Authority, with the consent of the Consulting Engineers, has not made any determination which is now in effect, to withhold payment of the amount being requisitioned, under the terms of the contract for such construction work.

DELAWARE COUNTY REGIONAL WATER  
QUALITY CONTROL AUTHORITY

By [Signature]  
(Vice) Chairman

By [Signature]  
(Assistant) Treasurer

Total Obligation to Payee named in Requisition	\$ 144,757.00
Plus/Minus Change Orders	
Amount paid to said Payee to date (including payment to be made pursuant to Requisition)	244,757.00

Amount of obligation remaining unpaid	\$
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Total Payments in Requisition	\$ 1,937.00	Previous Balance	\$ 77,000.00
		Plus Interest earned, grant funds received, or other Receipts	

Sub-Total

Previous Requisitions	\$ 48,214,428.34	Less this Requisition	1,937.00
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Total Amount requisitioned	\$ 48,226,470.00	New Balance	\$ 75,062.00
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VENDOR

## A. (The following certification is required if payment is made under a Construction Contract)

THE UNDERSIGNED, DOES HEREBY CERTIFY, that it has examined the documents and accounts covering the payment of obligations as requested in this requisition and reports of on-site job inspectors with respect thereto and that such obligations have been properly incurred, are now due and unpaid, and that insofar as such obligations were incurred for work, materials, supplies or equipment, according to the aforesaid reports such work was actually performed or such materials, supplies or items of equipment were actually installed in or about the construction of the Project, or delivered at the site of the work for that purpose, or delivered for fabrication at a place approved by the undersigned, covered by adequate insurance for fire and theft; and that all work done and materials, supplies or equipment furnished for which such obligations were incurred are in accordance with the plans and specifications provided for in the abovementioned Trust Indenture; that to the best of our knowledge there are no vendors', mechanics' or other liens or rights to liens or conditional sale or other title retention contracts upon or affecting any property with respect to which payment is requisitioned and which will not be discharged by such payment. This requisition hereby is certified as being correct and the payment approved as stated therein.

**BETZ ENVIRONMENTAL ENGINEERS, INC.**

By \_\_\_\_\_

B. (The following certification is required if payment **not** under Construction Contract).

I HEREBY CERTIFY that I have examined the documents and accounts covering the payment of obligations as requested in this requisition and that such obligations have been properly incurred and are a proper charge against the above-named Construction Fund under the provisions of the Trust Indenture of the Authority dated May 1, 1974, and the conditions precedent to the application of said moneys have been fulfilled. This requisition hereby is approved.

Date \_\_\_\_\_

\_\_\_\_\_  
Solicitor,  
Delaware County Regional Water Quality Control  
Authority

## C. (The following additional certification is required if payment is for lands, rights-of-way or other interests in real property).

I HEREBY CERTIFY that (based upon a review of title insurance, if any, and such other papers as I have deemed necessary) the Authority has, or will have upon payment therefor, if the acquisition of land is the subject of the requisition, good and marketable title in fee simple thereto, free and clear of all liens and encumbrances except those of a minor nature which will not materially impair the use of such property for the purpose for which it was, or will be, acquired, or, in case of the acquisition of rights-of-way or easements, the Authority has, or will have upon payment for such rights-of-way or easements, valid rights-of-way and easements for the purpose intended.

Date \_\_\_\_\_

\_\_\_\_\_  
Solicitor,  
Delaware County Regional Water Quality Control  
Authority

# CURRENT ESTIMATES

Contract Number

HVAC #3

Sheet No. 1  
of 5 Sheets

Contract Date

April 29, 1974

Estimate Number

25

Month Ending

January 22, 1979

Base Contract Price

\$836,000.

Name  
Address

Owner  
Delaware County Regional Water  
Quality Control Authority  
100 E. 5th St., Chester, Pa.  
19013

Contract for

Chester Regional Water Pollution  
Control Plant

Name  
Address

Contractor  
Daniel J. Keating Company  
812 Lancaster Avenue  
Villanova, Pa. 19085

Starting Date

June 10, 1974

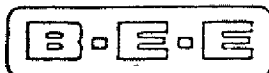
Time for Completion

850 Calendar Days

Completion Date

November 2, 1976

(1) ITEM NUMBER	(2) DESCRIPTION AND UNIT	(3) CONTRACT QUANTITY	(4) CONTRACT UNIT PRICE	(5) ESTIMATE COST	(6) WORK ACCEPTED	(7) AMOUNT DUE (4) x (6)
1	Bond	L.S.	8,360	8,360	100%	8,360.
	BUILDING B-1 <i>66,820.00</i>					
2	Ductwork	L.S.	1,535	1,535	100%	1,535.
3	Fans	1	790	790	1	790.
4	Air Outlets & Louvers	6	254	1,524	6	1,524.
5	Automatic Controls	L.S.	1,825	1,825	100%	1,825.
6	Electric Unit Heaters	4	252	1,008	4	1,008.
	BUILDING B-2 <i>231,766.00</i>					
7	Water Chiller	1	19,817	19,817	1	19,817.
8	Cooling Tower	1	3,937	3,937	1	3,937.
9	Water Pumps	7	718	5,026	7	5,026.
10	Water Boilers	2	4,163	8,326	2	8,326.
11	AHU-2	1	12,546	12,546	1	12,546.
12	Ductwork	L.S.	64,595	64,595	100%	64,595.
13	Air Terminal Reheat Coils	18	223	4,014	18	4,014.
14	Fans and Vents	8	715	5,720	8	5,720.
15	Air Cabinets, L.F.	200	115	23,000	100%	23,000.
16	Air Outlets and Louvers	46	124	5,704	46	5,704.
17	Cabinet Unit Heaters	8	394	3,152	8	3,152.
18	AHU-3 and -4	2	8,925	17,850	2	17,850.
19	Automatic Controls	L.S.	32,038	32,038	100%	32,038.
20	Fin Tube Radiation, L.F.	75	22	1,650	100%	1,650.
21	HV-7	1	2,742	2,742	1	2,742.
22	Condenser Water Treatment	L.S.	6,822	6,822	100%	6,822.
23	Glycol Piping	L.S.	6,467	6,467	100%	6,467.
	Subtotals carried forward			238,448		238,448.



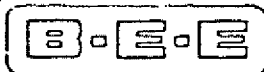
BETZ ENVIRONMENTAL ENGINEERS, Inc.

One Research Triangle Park, Raleigh, North Carolina 27601

<b>CURRENT ESTIMATES</b>		Contract Number	HVAC #3	Sheet No. <u>2</u> of <u>5</u> Sheets
		Contract Date	April 29, 1974	
Estimate Number	25	Month Ending	January 22, 1979	
		Base Contract Price	\$836,000	
Owner Delaware County Regional Water Quality Control Authority 100 E. 5th St., Chester, Pa. 19013		Contract for Chester Regional Water Pollution Control Plant		
Contractor Daniel J. Keating Company 812 Lancaster Avenue Villanova, Pa. 19085		Starting Date June 10, 1974 Time for Completion 850 Calendar Days Completion Date November 2, 1976		

(1) ITEM NUMBER	(2) DESCRIPTION AND UNIT	(3) CONTRACT QUANTITY	(4) CONTRACT UNIT PRICE	(5) ESTIMATE COST	(6) WORK ACCEPTED	(7) AMOUNT DUE (4) x (6)
24	Hot Water Supply & Return	L.S.	24,385	24,385	100%	24,385.
25	Chill & Spray Water Pipe	L.S.	9,875	9,875	100%	9,875.
26	Condenser Water Pipe	L.S.	8,338	8,338	100%	8,338.
27	Sleeves & Inserts	L.S.	4,600	4,600	100%	4,600.
28	Insulation	L.S.	16,690	16,690	100%	16,690.
29	Filters	1 Set	2,600	2,600	1	2,600.
	BUILDING B-3					
30	Water Pumps	2	918	1,836	2	1,836.
31	Steam Boilers	2	9,529	19,058	2	19,058.
32	Deaerator	1	9,366	9,366	1	9,366.
33	AH-1 AC System	L.S.	8,954	8,954	100%	8,954.
34	Ductwork	L.S.	52,550	52,550	100%	52,550.
35	Fans and Ducts	18	696	12,528	18	12,528.
36	Stack & Breeching	L.S.	35,050	35,050	100%	35,050.
37	Air Outlets	33	115	3,795	33	3,795.
38	Air Louvers	22	299	6,578	22	6,578.
39	Automatic Controls	L.S.	28,600	28,600	100%	28,600.
40	Insulation	L.S.	17,640	17,640	100%	17,640.
41	Prop. Unit Heaters	32	227	7,264	32	7,264.
42	Cabinet Unit Heaters	2	393	786	2	786.
43	Electric Duct Heaters	6	150	900	6	900.
44	Make-up Air Units	2	3,521	7,042	2	7,042.
45	Steam Converters	2	2,096	4,192	2	4,192.
46	Refrigerant Piping	L.S.	4,206	4,206	100%	4,206.
47	Hot Water Supply & Return	L.S.	30,737	30,737	100%	30,737.
	Subtotals carried forward			556,018		317,570.





BETZ ENVIRONMENTAL ENGINEERS, Inc.

<b>CURRENT ESTIMATES</b>		Contract Number	HVAC #3	Sheet No. 3 of 5
		Contract Date	April 29, 1974	
Estimate Number	25	Month Ending	January 22, 1979	
		Base Contract Price	\$836,000	
Owner Name: Delaware County Regional Water Address: Quality Control Authority 100 E. 5th St., Chester, Pa. 19013		Contract for Chester Regional Water Pollution Control Plant		
Contractor Name: Daniel J. Keating Company Address: 812 Lancaster Avenue Villanova, Pa. 19085		Starting Date: June 10, 1974 Time for Completion: 850 Calendar Days Completion Date: November 2, 1976		

(1) ITEM NUMBER	(2) DESCRIPTION AND UNIT	(3) CONTRACT QUANTITY	(4) CONTRACT UNIT PRICE	(5) ESTIMATE COST	(6) WORK ACCEPTED	(7) AMOUNT DUE (4) x (6)
48	Steam Supply & Return	L.S.	17,819	17,819	100%	17,819.
49	Sleeves & Inserts	L.S.	4,100	4,100	100%	4,100.
50	Electric Oper. Oil Valves	6	893	5,358	6	5,358.
51	Oil Level Indicators	3	277	831	3	831.
52	Inside Fuel Oil Piping	L.S.	6,800	6,800	100%	6,800.
53	Duplex Oil Pump Set	1	1,800	1,800	100%	1,800.
	BUILDING B-4					
54	H & V Units #2, 3, 4, & 5	4	4,770	19,080	4	19,080.
55	Fans & Vents	9	690	6,210	9	6,210.
56	Cabinet Unit Heaters	2	393	786	2	786.
57	Ductwork	L.S.	24,363	24,363	100%	24,363.
58	Automatic Controls	L.S.	18,412	18,412	100%	18,412.
59	Insulation	L.S.	7,095	7,095	100%	7,095.
60	Hot Water Supply & Return	L.S.	13,167	13,167	100%	13,167.
61	Sleeves & Inserts	L.S.	1,800	1,800	100%	1,800.
62	Air Filters	5 Sets	2,599	12,995	5	12,995.
63	Air Outlets & Louvers	40	120	4,800	40	4,800.
	PS-1, -2, -3, & -4					
64	Air Outlets	2	115	230	2	230.
65	Louvers	8	299	2,392	8	2,392.
66	Automatic Controls	L.S.	8,050	8,050	100%	8,050.
67	Electric Unit Heaters	11	252	2,772	11	2,772.
68	Electric Baseboard	2	576	1,152	2	1,152.
69	Ductwork	L.S.	1,265	1,265	100%	1,265.
70	Fans & Vents	14	690	9,660	14	9,660.
	S. totals carried forward			726,955		170,937.





Contract Number	HVAC #3	Sheet No.	4
		of	5 Sheets

Contract Date April 29, 1974

mate Number	25	Month Ending	January 22, 1979
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Base Contract Price	\$836,000
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Owner  
Delaware County Regional Water  
Quality Control Authority  
100 E. 5th St., Chester, PA 19013

Contract for  
Chester Regional Water Pollution  
Control Plant

Contractor  
Daniel J. Keating Company  
812 Lancaster Avenue  
Villanova, PA 19085

Starting Date June 10, 1974  
Time for Completion 850 Calendar Days  
Completion Date November 2, 1976

[illegible]

**BETZ ENVIRONMENTAL ENGINEERS, Inc.**

One Plymouth Meeting Mall • Plymouth Meeting, Pa. 19462 • Telephone 215-825-0600

<b>CURRENT ESTIMATES</b>		Contract Number	HVAC #3	Sheet No. <u>5</u> of <u>5</u> Sheets
		Contract Date	April 29, 1974	
Estimate Number	25	Month Ending	January 22, 1979	
		Base Contract Price	\$ 836,000.	
Owner		Contract for		
Name	Delaware County Regional Water		Chester Regional Water Pollution Control Plant	
Address	Quality Control Authority 100 E. 5th St., Chester, Pa. 19013			
Contractor		Starting Date		
Name	Daniel J. Keating Company		June 10, 1974	
Address	812 Lancaster Avenue		Time for Completion 850 Calendar Days	
		Villanova, Pa. 19085	Completion Date November 2, 1976	

(1) ITEM NUMBER	(2) DESCRIPTION AND UNIT	(3) CONTRACT QUANTITY	(4) CONTRACT UNIT PRICE	(5) ESTIMATE COST	(6) WORK ACCEPTED	(7) AMOUNT DUE (4) x (6)
1	Rev. Air Intake Louv., Building B-3	L.S.	1,352.00		100%	1,352.00
2	Add'l. Controls to Fuel Pumps B-3	L.S.	155.00		100%	155.00
3	Relocate Unit Heaters, Bldg. B-3	L.S.	4,091.52		100%	4,091.52
4	Relocate Makeup Heaters, Bldg. B-3	L.S.	1,270.11		100%	1,270.11
5	Extension of time	-	-	-	-	-
6	Air supply in discharge Air Duct Mech. Rm. B-2	L.S.	147.40		100%	147.40
7	Extension of time	-	-	-	-	-
8	Relocate U.H. in Chlorine Room Bldg. B-3	L.S.	350.00		100%	350.00
9	Remove 72" x 48" supply ducts in holding tanks ET-2 & ET-4	L.S.	1,401.33		100%	1,401.33
TOTALS				844,767.36		8,767.36

Prepared by <u>George A. Barby Jr.</u> Checked by <u>C. F. Clark</u> I hereby certify the foregoing to be a true and correct estimate of the amount and value of work done, materials incorporated and materials accepted but not incorporated to date.   Inspector   Resident Engineer   Principal Engineer	Total due on contract items	\$ 844,767.36
	Material accepted, not incorporated in completed work. See statement on reverse.	-
	Total estimate	844,767.36
	Less 10% percent retained	-
	Net amount payable on this estimate	844,767.36
	Less amount previously paid	835,915.77
Amount now payable	\$ 8,851.59	
Approved for the Owner		

COMPLIANCE STATEMENT

Each monthly engineering estimate must be accompanied by the following certificate executed by each Prime Contractor employing mechanics and laborers at the site on work in which the Federal Government is to participate:

Principal Contractor DANIEL J. KEATING COMPANY

DELCORA

Project Name CHESTER REGIONAL WATER POLLUTION CONTROL PLANT

Water Quality Office Project No. C-420675

I, John Saling - Vice President, as official representative of the above-named principal Contractor do hereby certify as follows:

☒ All Labor Standards Requirements have been fulfilled by the principal Contractor and all subcontracts under this contract;

or

☐ There is an honest dispute regarding the required provisions, Explanation: \_\_\_\_\_

John J. Saling  
(Signature)

Vice-President  
(Title)

1/22/79  
(Date)

ALBRIGHT & FRIEL  
A Division Of  
BETZ ENVIRONMENTAL ENGINEERS, INC.  
ONE PLYMOUTH MEETING MALL  
PLYMOUTH MEETING, PENNSYLVANIA 19462

BID FORM

(Notice: This Bid must be executed in ink or by typed entries and it must not be removed from this document)

BID

FOR CONSTRUCTION OF

CONTRACT 6 - SEWAGE FORCE MAIN

To: Delaware County Regional Water Quality Control  
Chester City Council Chambers  
Municipal Building  
5th & Welsh Streets

Attn: Mr. William Turner, Executive Director

herein called the OWNER.

1. Pursuant to and in compliance with your Advertisement dated November 2, 1973, inviting proposals to be received until 2:00 P.M. Prevailing Time, Monday December 3, 1973 for the construction of:

Section 1 - Approx. 3900 linear feet of 66" dia pipe  
Section 2 - Approx. 3745 linear feet of 66" dia pipe  
Section 3 - Approx. 2420 linear feet of 66" dia pipe

and having carefully examined the contract documents comprising the plans, specifications and all other documents bound therewith, together with all addenda or bulletins thereto; and being familiar with the site and the various conditions affecting the work, the undersigned hereby offers to furnish all plant, labor, materials, supplies, equipment and other facilities and things necessary or proper or incidental to the construction as required by and in strict accordance with the applicable provisions of the plans and specifications and of all Addenda or bulletins issued by the Owner and mailed to the undersigned prior to the date for the opening of bids, whether received by the undersigned or not, for the following Unit and Lump Sum prices, sections "1", "2" and "3". The Owner hereby reserves the right to award any section or combination of sections to different Bidders as deemed in his best interest.

SECTION 2 - 84TH STREET

Item No.	Description	Est. Qty.	Unit	Unit Price		Total Price in figures
				Top Line - figures	Bottom Line - in words	
1-P	<u>66" PRESTRESSED CONCRETE CYLINDER PIPE</u>					
1-P.2	6'- 8' deep	70	L.F.	(\$ <u>90.00</u> )		
				<u>Ninety dollars</u>		(\$ <u>6300.00</u> )
1-P.3	8'- 10' deep	340	L.F.	(\$ <u>110.00</u> )		
				<u>One hundred ten dollars</u>		(\$ <u>37400.00</u> )
1-P.4	10'- 12' deep	1035	L.F.	(\$ <u>160.00</u> )		
				<u>One hundred sixty dollars</u>		(\$ <u>165600.00</u> )
1-P.5	12'- 14' deep	1240	L.F.	(\$ <u>250.00</u> )		
				<u>Two hundred fifty dollars</u>		(\$ <u>310,000.00</u> )
1-P.6	14'- 16' deep	950	L.F.	(\$ <u>265.00</u> )		
				<u>Two hundred sixty five dollars</u>		(\$ <u>251750.00</u> )

BF6-8

SECTION 2 - Continued

Item No.	Description	Est. Qty.	Unit	Unit Price		Total Price in figures
				Top Line - figures	Bottom Line - in words	
1-P.7	16'- 18' deep	110	L.F.	(\$ 270.00 )		
					<i>Two hundred seventy dollars</i>	<i>(\$270.00)</i>
1-Q	<u>FITTINGS FOR 66" P.C.C.P.</u>					
1-Q.6	66: P.C.C.P. Plugs	2	ea.	<sup>1400.00</sup> (\$ <del>2200.00</del> )		
					<i>Fourteen hundred dollars</i>	<i>(\$2800.00)</i>
1-Q.7	Bends under 30° Horiz.	3	ea.	(\$ 2200.00 )		
					<i>Twenty two hundred dollars</i>	<i>(\$6600.00)</i>
1-Q.8	Bends 30° - 35° Horiz.	2	ea.	(\$ 2200.00 )		
					<i>Twenty two hundred dollars</i>	<i>(\$4400.00)</i>
1-Q.9	Bends 45° Horiz.	4	ea.	(\$ 2350.00 )		
					<i>Twenty three hundred fifty dollars</i>	<i>(\$9400.00)</i>

DF6-9

SECTION 2 - Continued

Item No.	Description	Est. Qty.	Unit	Unit Price		Total Price in figures
				Top Line - figures	Bottom Line - in words	
1-P.7	16'- 18' deep	110	L.F.	(\$ <u>270.00</u> )		
					<u>Two hundred seventy dollars</u>	(\$ <u>29700.00</u> )
1-Q	<u>FITTINGS FOR 66" P.C.C.P.</u>					
1-Q.6	66: P.C.C.P. Plugs	2	ea.	<sup>1400.00</sup> (\$ <u>2200.00</u> )		
					<u>Fourteen hundred dollars</u>	(\$ <u>2800.00</u> )
1-Q.7	Bends under 30° Horiz.	3	ea.	(\$ <u>2200.00</u> )		
					<u>Twenty two hundred dollars</u>	(\$ <u>6600.00</u> )
1-Q.8	Bends 30° - 35° Horiz.	2	ea.	(\$ <u>2200.00</u> )		
					<u>Twenty two hundred dollars</u>	(\$ <u>4400.00</u> )
1-Q.9	Bends 45° Horiz.	4	ea.	(\$ <u>2350.00</u> )		
					<u>Twenty three hundred fifty dollars</u>	(\$ <u>9400.00</u> )

116-9



SECTION 2 - Continued

Item No.	Description	Est. Qty.	Unit	Unit Price		Total Price in figures
				Top Line - figures	Bottom Line - in words	
1-R.1	Harnessed Joints	<del>50</del> 80	ea.	(\$ 325.00 )	<u>Three hundred twenty five dollars</u>	(\$26000.00 )
1-S.1	66" Connections	2	ea.	(\$ 2100.00 )	<u>Twenty one hundred dollars</u>	(\$ 4200. — )
2	Class "B" Concrete	<del>175</del> 200	c.y.	(\$ 60.00 )	<u>Sixty dollars</u>	(\$14000. — )
3	Crushed Stone bedding for 66" P.C.C.P.	2500	c.y.	(\$ 12.00 )	<u>Twelve dollars</u>	(\$30000.00 )
4	Shoring left-in-place at locations and to extent directed by Engineer	100	MBF	(\$ 200.00 )	<u>Two Hundred Dollars &amp; No Cents</u>	(\$ 20,000.00 )
5	Select Backfill in Pipe Trenches	4000	c.y.	(\$ 12.00 )	<u>Twelve dollars</u>	(\$ 48000.00 )

BF6-10

SECTION 2 - Continued

Item No.	Description	Est. Qty.	Unit	Unit Price		Total Price in figures
				Top Line - figures	Bottom Line - in words	
9	<u>PIPE CROSSINGS</u>					
9-B	Crossing under Reading Railroad	79	L.F.	(\$ <u>1200.00</u> )		
				<u>Twelve hundred dollars</u>		(\$ <u>94800. —</u> )
12	<u>REPAVING</u>					
12-A	State Highways	300	L.F.	(\$ <u>15.00</u> )		
				<u>Fifteen dollars</u>		(\$ <u>4500. —</u> )
12-B	City of Philadelphia Streets	80	L.F.	(\$ <u>12.00</u> )		
				<u>Twelve dollars</u>		(\$ <u>960.00</u> )
12-C	Eastwick Avenue Track Area	30	L.F.	(\$ <u>22.50</u> )		
				<u>Twenty two dollars fifty cents</u>		

675.00  
X (\$ 22.50 )  
CORRECTED  
BEE

BF6-11

SECTION 2 - Continued

Item No.	Description	Est. Qty.	Unit	Unit Price		Total Price in figures
				Top Line - figures	Bottom Line - in words	
12-E	Temp. repave in State Highway	300	L.F.	(\$ 12.00 )		
				<u>Twelve dollar</u>		(\$3600.00 )
13	SEPTA Track Support	1	L.S.	(\$ 5800.00 )		
				<u>Five thousand dollar</u>		(\$ 5800.00 )
14	<u>PENN DOT INSPECTION</u>					
14-A	Penn DOT Inspector	1600	Hours	(\$ 5.30 )		
				<u>Five dollars and thirty cents</u>		(\$ 8480.00 )
14-B	Penn DOT Travel	6000	Miles	(\$ 0.15 )		
				<u>Fifteen cents</u>		(\$ 900.00 )

TOTAL BID - SECTION 2

Amount Equals Summation of All Items in this Section

One million eighty three thousand sixty five dollars fifty cents

1,083,065 DOLLARS and 50 CENTS

X(\$ 1,083,065.50  
1,083,065.00  
 CORRECTED -  
 BEE.

HW-6-12

OPTIONAL DISCOUNTS:

The Bidders, at their option, may offer a discount to the above bid prices should the Owner award concurrently more than a single part of any single Bidder as follows:

	<u>BID PRICE</u>	<u>DISCOUNT</u>	<u>DISCOUNT PRICE</u>
OPTION NO. 1			
SECTION "1"	\$ _____	_____ %	\$ _____
SECTION "2"	\$ <u>1,083,065.50</u>	_____ %	\$ _____
SECTION "3"	\$ _____	_____ %	\$ _____

TOTAL BID-OPTION NO.1

SUM OF SECTIONS  
"1", "2" AND "3".      \$ \_\_\_\_\_      \$ \_\_\_\_\_

OPTION NO. 2			
SECTION "2"	\$ _____	_____ %	\$ _____
SECTION "3"	\$ _____	_____ %	\$ _____

TOTAL BID-OPTION NO.2

SUM OF SECTIONS  
"2" AND "3".      \$ \_\_\_\_\_      \$ \_\_\_\_\_

1,083,065  
.05  
5415325

2. The bidder agrees to begin work within ten (10) calendar days after the date designated in the Notice to Proceed and to complete the entire contract within the following consecutive calendar days from the date of notification to begin work for each Section: 270 days for Section "1"; 150 days for Section "2"; 150 days for Section "3".
3. In case of failure on the part of the Contractor to complete the work within the time fixed in the contract or any extensions thereof, the Contractor shall pay the Owner as liquidated damages the sum of One Hundred  
Five  
DOLLARS and No CENTS (\$ 100.00) for each calendar day of delay until the work is completed or abandoned for each Section.
4. The undersigned agrees upon receipt of written notice of the acceptance of this bid within ninety (90) days after the date of opening of bids, to execute the Construction Contract, in accordance with the bid as accepted, and to give the bonds required with good and sufficient surety or sureties.
5. Payment for all work called for in the plans and specifications or required for proper completion of the work under this contract and not specifically mentioned in the plans and specifications will be considered as covered by the unit price payments and no extra payments will be allowed therefor.
6. The undersigned hereby designates as his office to which such notice of acceptance may be mailed, telegraphed or delivered:

Newtown & Godfrey Ave P.O. Box 2772  
Phila., Pa 19120

7. Accompanying this proposal is a Bid Bond  
in the amount of Fifty Five Thousand Dollars  
DOLLARS and 55,000.00 CENTS (\$ 55,000.00) as bid security.
8. This bid may be withdrawn at any time prior to the scheduled time for the opening of bids or any authorized postponement thereof.
9. The undersigned acknowledges that he received the following Addenda to the Specifications and that this bid was prepared in accordance with said Addenda:

# Lock Joint Pipe



P.O. BOX 33 / PERRYMAN, MARYLAND 21130 / 301-272-1810

February 20, 1974

Miniscalco Brothers, Inc.  
P. O. Box 2772  
Philadelphia, PA 19120

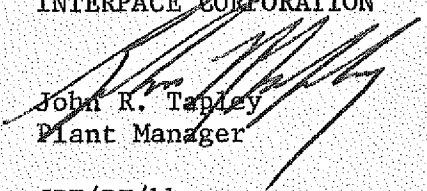
SUBJECT: Pipe Certification  
Delaware County, PA  
Contract 6  
Section II  
OUR JOB NO. PE-74-17

Gentlemen:

We certify that the 3665 linear feet of 66" pipe which we are supplying for the subject job will be manufactured in accordance with the Contract Specifications and AWWA Specification C-301-72 for Prestressed Concrete Pressure Pipe-Steel Cylinder Type, for water or other liquids.

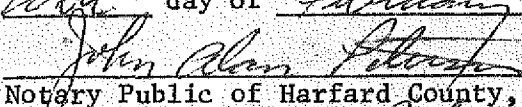
Very truly yours,

INTERPACE CORPORATION

  
John R. Tapley  
Plant Manager

JRT/RE/bh

Sworn to and subscribed before me this  
20th day of February, 1974

  
Notary Public of Harford County, MD

My commission expires July 1, 1974.

# 1	Nov. 1, 1973
# 2	Nov. 14, 1973
# 3	Nov. 20, 1973
# 4	Dec. 3, 1973

10. The bidder understands that the quantities in unit price work are approximate only and are presented solely for the purpose of comparing bids. He understands and agrees that the Owner may increase or decrease the quantity of work to be done under any item. He further agrees that in case of any error or inconsistency in the figures contained in the proposal the unit prices shall govern, and that if his proposal is accepted, the unit prices contained in the proposal are the unit prices which he will receive and which the Owner will pay for the work specified to be done under the items, in the manner set forth and required by the Contract Documents, without recitation or repetition of said unit prices in the contract agreement.

11. INFORMATION TO BE FURNISHED BY BIDDER

The undersigned proposed to furnish the following equipment, contingent upon its conformity to the Specifications and its approval by the Engineer. One Manufacturer's name must be stated. Use of the words "as specified" or similar wording will not be acceptable in lieu of the Manufacturer's name.

NOTE: In the event that the Bidder names more than one Manufacturer for any unit, the Owner reserves the right to select and designate which Manufacturer shall furnish said unit. The Owner also reserves the right to reject all Manufacturers named by the Bidder whose products do not meet the requirements of the Specifications.

<u>UNIT</u>	<u>MANUFACTURER</u>
Concrete Pipe-----	<u>Interpace Rock Joint</u> <u>Price Bros.</u>

12. LIST OF INTENDED SUBCONTRACTORS

<u>Subcontractor (Name and Address)</u>	<u>Work To Be Performed</u>



Witness:

By:

Date:

Principal (Individual)

Address

Witness:

By:

Date:

(Principal (Partnership)

Address

(CORPORATE SEAL)

Attest:

Secretary

Date:

Dec. 13, 1973

President (Corporation)

ACCORDING TO THE LAWS OF PENNSYLVANIA

MINISCALCO BROS. INC.

Newtown + Godfrey Ave.

P.O. Box 2772

Phila. Pa. 19120

Corporation Name and Address

\* Insert bidder's name. If a corporation, give the state of incorporation using the phrase, "a corporation organized under the laws of \_\_\_\_\_"

If a partnership, give names of partners, using also the phrase "co-partners trading and doing business under the firm name and style of \_\_\_\_\_"

If an individual using a trade name, give individual name, using also the phrase "an individual doing business under the firm name and style of: \_\_\_\_\_"

ALBRIGHT & FRIEL  
A Division Of  
BETZ ENVIRONMENTAL ENGINEERS, INC.  
ONE PLYMOUTH MEETING MALL  
PLYMOUTH MEETING, PENNSYLVANIA 19462

BID FORM

(Notice: This Bid must be executed in ink or by typed entries and it must not be removed from this document)

BID

FOR CONSTRUCTION OF

CONTRACT 6 - SEWAGE FORCE MAIN

To: Delaware County Regional Water Quality Control  
Chester City Council Chambers  
Municipal Building  
5th & Welsh Streets

Attn: Mr. William Turner, Executive Director

herein called the OWNER.

1. Pursuant to and in compliance with your Advertisement dated November 2, 1973, inviting proposals to be received until 2:00 P.M. Prevailing Time, Monday December 3, 1973 for the construction of:

- Section 1 - Approx. 3900 linear feet of 66" dia pipe
- Section 2 - Approx. 3745 linear feet of 66" dia pipe.
- Section **3** - Approx. 2420 linear feet of 66" dia pipe

and having carefully examined the contract documents comprising the plans, specifications and all other documents bound therewith, together with all addenda or bulletins thereto; and being familiar with the site and the various conditions affecting the work, the undersigned hereby offers to furnish all plant, labor, materials, supplies, equipment and other facilities and things necessary or proper or incidental to the construction as required by and in strict accordance with the applicable provisions of the plans and specifications and of all Addenda or bulletins issued by the Owner and mailed to the undersigned prior to the date for the opening of bids, whether received by the undersigned or not, for the following Unit and Lump Sum prices, sections "1", "2" and "3". The Owner hereby reserves the right to award any section or combination of sections to different Bidders as deemed in his best interest.

## SECTION 3 - SARTRAM AVENUE

Item No.	Description	Est. Qty.	Unit	Unit Price		Total Price in figures
				Top Line - figures	Bottom Line - in words	
1-P	<u>66" PRESTRESSED CONCRETE CYLINDER PIPE</u>					
1-P4	10'-12' deep	260	L.F.	(\$ 700 <sup>00</sup> )	<u>Two Hundred Dollars</u>	(\$ 54,000 <sup>00</sup> )
1-P5	12'-14' deep	590	L.F.	(\$ 700 <sup>00</sup> )	<u>Two Hundred Dollars</u>	(\$ 118,000 <sup>00</sup> )
1-P6	14'-16' deep	410	L.F.	(\$ 745 <sup>00</sup> )	<u>Two Hundred Twenty Five Dollars</u>	(\$ 94,250 <sup>00</sup> )
1-P7	16'-18' deep	730	L.F.	(\$ 745 <sup>00</sup> )	<u>Two Hundred Twenty Five Dollars</u>	(\$ 164,250 <sup>00</sup> )
1-P8	18'-20' deep	40	L.F.	(\$ 750 <sup>00</sup> )	<u>Four Hundred Fifty Dollars</u>	(\$ 14,000 <sup>00</sup> )

## SECTION 3 - BARTRAM AVENUE - continued

Item No.	Description	Est. Qty.	Unit	Unit Price		Total Price in figures
				Top Line - figures	Bottom Line - in words	
1-P9	20'-22' deep	70	L.F.	(\$ 250 <sup>00</sup> )	<u>Two Hundred Fifty Dollars</u>	(\$ 17,500 <sup>00</sup> )
1-P10	22'-24' deep	320	L.F.	(\$ 375 <sup>00</sup> )	<u>Three Hundred Seventy Five Dollars</u>	(\$ 120,000 <sup>00</sup> )
1-Q	<u>FITTINGS FOR</u> <u>66" P.C.C.P.</u>					
1-Q6	66" P.C.C.P. Plugs	2	Each	(\$ 1,000 <sup>00</sup> )	<u>One Thousand Dollars</u>	(\$ 2,000 <sup>00</sup> )
1-Q9	Bends 45° Horizontal	2	Each	(\$ 2,000 <sup>00</sup> )	<u>Two Thousand Dollars</u>	(\$ 4,000 <sup>00</sup> )
1-Q10	Bends 30° Vertical	8	Each	(\$ 2,000 <sup>00</sup> )	<u>Two Thousand Dollars</u>	(\$ 16,000 <sup>00</sup> )

SECTION 3 - BARTRAM AVENUE (Cont'd)

Item No.	Description	Est. Qty.	Unit	Unit Price Top Line - figures Bottom Line - in words	Total Price in figures
1-Q5	4" Tangent Outlet	2	Ea.	(\$ <u>3,000<sup>00</sup></u> ) <u>Three Thousand Dollars</u>	(\$ <u>6,000<sup>00</sup></u> )
1-S1	66" Connection	1	Ea.	(\$ <u>4,000<sup>00</sup></u> ) <u>Four Thousand Dollars</u>	(\$ <u>4,000<sup>00</sup></u> )

SECTION 3 - BARTRAM AVENUE - continued

Item No.	Description	Est. Qty.	Unit	Unit Price		Total Price in figures
				Top Line - figures	Bottom Line - in words	
1-Q11	Bends over 45° Horizontal	1	Each	(\$3,000. <sup>00</sup> )	<u>Three Thousand Dollars</u>	(\$3,000. <sup>00</sup> )
1-Q12	4" Tangent Outlet	2	Each	(\$3,000. <sup>00</sup> )	<u>Three Thousand Dollars</u>	(\$6,000. <sup>00</sup> )
1-R1	Harnessed Joints	60	Each	(\$400. <sup>00</sup> )	<u>Four Hundred Dollars</u>	(\$24,000. <sup>00</sup> )
2	Class "B" Concrete	<sup>150</sup> <del>150</del>	C.Y.	(\$60. <sup>00</sup> )	<u>Sixty Dollars</u>	(\$10,800. <sup>00</sup> )
3	Crushed Stone bedding for 66" P.C.C.P.	2000	C.Y.	(\$15. <sup>00</sup> )	<u>Fifteen Dollars</u>	(\$30,000. <sup>00</sup> )
4	Shoring left-in-place at locations and to extent directed by Engineer.	200	M.B.F.	(\$ 200.00)	<u>Two Hundred Dollars &amp; No Cents</u>	(\$ 40,000.00)

BF6-15

## SECTION 3 - BARTRAM AVENUE - continued

Item No.	Description	Est. Qty.	Unit	Unit Price		Total Price in figures
				Top Line - figures	Bottom Line - in words	
5	Select Backfill in Pipe Trenches	4000	C.Y.	(\$ 7 <sup>00</sup> )	<u>Seven Dollars</u>	(\$ 28,000 <sup>00</sup> )
9	PIPE CROSSINGS					
9-C	Crossing under Culvert, Tunnel #1	35	L.F.	(\$ 1,400 <sup>00</sup> )	<u>One Thousand Four Hundred Dollars</u>	(\$ 49,000 <sup>00</sup> )
9-D	Crossing under Culvert, Tunnel #2	10	L.F.	(\$ 1,400 <sup>00</sup> )	<u>One Thousand Four Hundred Dollars</u>	(\$ 14,000 <sup>00</sup> )
9-E	Crossing under Culvert, Tunnel #3	130	L.F.	(\$ 1,400 <sup>00</sup> )	<u>One Thousand Four Hundred Dollars</u>	(\$ 182,000 <sup>00</sup> )
10	<u>CHAMBERS AND ACCESSORIES</u>					

BF6-16



## SECTION 3 - BARTRAM AVENUE - continued

Item No.	Description	Est. Qty.	Unit	Unit Price		Total Price in figures
				Top Line - figures	Bottom Line - in words	
10-B	Steel Pipe & Fittings	50	L.F.	(\$ 70 <sup>00</sup> )	<u>Seventy Dollars</u>	(\$ 4,000 <sup>00</sup> )
10-C	Plug Valves & Boxes	2	Each	(\$ 500 <sup>00</sup> )	<u>Five Hundred Dollars</u>	(\$ 1,000 <sup>00</sup> )
10-D	Air Release Valve Chamber, complete	2	Each	(\$ 5,000 <sup>00</sup> )	<u>Five Thousand Dollars</u>	(\$ 10,000 <sup>00</sup> )
12	<u>REPAVING</u>					
12-A	State Highways	80	L.F.	(\$ 50 <sup>00</sup> )	<u>Fifty Dollars</u>	(\$ 4,000 <sup>00</sup> )
12-B	City of Philadelphia Streets	150	L.F.	(\$ 25 <sup>00</sup> )	<u>Twenty Five Dollars</u>	(\$ 3,750 <sup>00</sup> )

SECTION 3 - BARTRAM AVENUE - continued

Item No.	Description	Est. Qty.	Unit	Unit Price		Total Price in figures
				Top Line - figures	Bottom Line - in words	
12-D	Concrete Median in State Highway	10	L.F.	(\$ <u>100<sup>00</sup></u> )	<u>One Hundred Dollars</u>	(\$ <u>1,000<sup>00</sup></u> )
12-E	Temp. repave in State Highway	80	L.F.	(\$ <u>75<sup>00</sup></u> )	<u>Twenty Five Dollars</u>	(\$ <u>7,000<sup>00</sup></u> )
14	<u>PENN DOT INSPECTION</u>					
14-A	Penn DOT Inspector	80	Hours	(\$ <u>5.30</u> )	<u>Five Dollars &amp; Thirty Cents</u>	(\$ <u>424.00</u> )
14-B	Penn DOT Travel	300	Miles	(\$ <u>0.15</u> )	<u>Fifteen Cents</u>	(\$ <u>45.00</u> )

TOTAL BID - SECTION 3

Amount Equals Summation of all items in this Section.

One Million, Eighteen Thousand, Nineteen Dollars & No Cents  
 ( 1,018,019 ) ( No ) (\$ 1,018,019<sup>00</sup>)  
 Dollars Cents

OPTIONAL DISCOUNTS:

The Bidders, at their option, may offer a discount to the above bid prices should the Owner award concurrently more than a single part of any single Bidder as follows:

	<u>BID PRICE</u>	<u>DISCOUNT</u>	<u>DISCOUNT PRICE</u>
OPTION NO. 1			
SECTION "1"	* <del>\$ 1,111,111</del>	2.75%	\$ _____
SECTION "2"	\$ <del>1,111,111</del>		\$ _____
SECTION "3"	\$ <del>1,111,111</del>		\$ _____

TOTAL BID-OPTION NO.1

SUM OF SECTIONS "1", "2" AND "3". \* 3,463,724.00  
~~\$ 3,463,724~~ \$ \_\_\_\_\_

OPTION NO. 2			
SECTION "2"	\$ <del>2,110</del> No Bid		\$ _____
SECTION "3"	\$ <del>2,110</del>		\$ _____

TOTAL BID-OPTION NO.2

SUM OF SECTIONS "2" AND "3". No Bid  
\$ ~~2,110~~ \$ \_\_\_\_\_

\* Corrected by B.E.E.  
KO

2. The bidder agrees to begin work within ten (10) calendar days after the date designated in the Notice to Proceed and to complete the entire contract within the following consecutive calendar days from the date of notification to begin work for each Section: 270 days for Section "1"; 150 days for Section "2"; 150 days for Section "3".
3. In case of failure on the part of the Contractor to complete the work within the time fixed in the contract or any extensions thereof, the Contractor shall pay the Owner as liquidated damages the sum of One Hundred  
500.00  
DOLLARS and No CENTS (\$ 100.00 ) for each calendar day of delay until the work is completed or accepted for each Section.
4. The undersigned agrees upon receipt of written notice of the acceptance of this bid within ninety (90) days after the date of opening of bids, to execute the Construction Contract, in accordance with the bid as accepted, and to give the bonds required with good and sufficient surety or sureties.
5. Payment for all work called for in the plans and specifications or required for proper completion of the work under this contract and not specifically mentioned in the plans and specifications will be considered as covered by the unit price payments and no extra payments will be allowed therefor.
6. The undersigned hereby designates as his office to which such notice of acceptance may be mailed, telegraphed or delivered:

D A & L Caruso Inc  
3950 South Clinton Ave., South Plainfield N.J

7. Accompanying this proposal is a Bid Bond  
in the amount of 5% of the Amount Bid  
DOLLARS and \_\_\_\_\_ CENTS (\$ \_\_\_\_\_ ) as bid security.
8. This bid may be withdrawn at any time prior to the scheduled time for the opening of bids or any authorized postponement thereof.
9. The undersigned acknowledges that he received the following Addenda to the Specifications and that this bid was prepared in accordance with said Addenda:

1	Feb 1 '73
2	Feb 14 '73
3	Feb 22 '73
4	Dec 3 '73

10. The bidder understands that the quantities in unit price work are approximate only and are presented solely for the purpose of comparing bids. He understands and agrees that the Owner may increase or decrease the quantity of work to be done under any item. He further agrees that in case of any error or inconsistency in the figures contained in the proposal the unit prices shall govern, and that if his proposal is accepted, the unit prices contained in the proposal are the unit prices which he will receive and which the Owner will pay for the work specified to be done under the items, in the manner set forth and required by the Contract Documents, without recitation or repetition of said unit prices in the contract agreement.

11. INFORMATION TO BE FURNISHED BY BIDDER

The undersigned proposed to furnish the following equipment, contingent upon its conformity to the Specifications and its approval by the Engineer. One Manufacturer's name must be stated. Use of the words "as specified" or similar wording will not be acceptable in lieu of the Manufacturer's name.

NOTE: In the event that the Bidder names more than one Manufacturer for any unit, the Owner reserves the right to select and designate which Manufacturer shall furnish said unit. The Owner also reserves the right to reject all Manufacturers named by the Bidder whose products do not meet the requirements of the Specifications.

<u>UNIT</u>	<u>MANUFACTURER</u>
Concrete Pipe-----	<u>Price Brothers</u> <u>Interpace</u>

12. LIST OF INTENDED SUBCONTRACTORS

<u>Subcontractor (Name and Address)</u>	<u>Work To Be Performed</u>

Witness:

By:

Date:

Principal (Individual)

Address

Witness:

By:

Date:

(Principal (Partnership)

Address

(CORPORATE SEAL)

Attest:

Secretary

Date:

President (Corporation)

D. R. & L. Casuso Inc  
3950 South Clinton Ave  
South Plain Field N.J  
Corporation Name and Address

\* Insert bidder's name. If a corporation, give the state of incorporation using the phrase, "a corporation organized under the laws

of

If a partnership, give names of partners, using also the phrase "co-partners trading and doing business under the firm name and style

of

If an individual using a trade name, give individual name, using also the phrase "an individual doing business under the firm name and style of:

ALBRIGHT & FRIEL  
A Division Of  
BETZ ENVIRONMENTAL ENGINEERS, INC.  
ONE PLYMOUTH MEETING MALL  
PLYMOUTH MEETING, PENNSYLVANIA 19462

BID FORM

(Notice: This Bid must be executed in ink or by typed entries and it must not be removed from this document.)

BID

FOR CONSTRUCTION OF

CONTRACT 6A - SEWAGE FORCE MAIN

TO: Delaware County Regional Water Quality Control  
Chester City Council Chambers  
Municipal Building  
5th & Welsh Streets  
ATTN: Mr. William Turner, Executive Director

herein called the OWNER.

1. Pursuant to and in compliance with your Advertisement dated July 5, 1974, inviting proposals to be received until 2:00 P.M. Prevailing Time August 9, 1974 for the construction of:

Section 1 and Section 4 - approximately 7100 feet of 66" dia. pipe, creek crossings, venturi chamber, and connection to the Philadelphia Southwest Water Pollution Control Plant.

and having carefully examined the contract documents comprising the plans, specifications and all other documents bound therewith, together with all addenda or bulletins thereto; and being familiar with the site and the various conditions affecting the work, the undersigned hereby offers to furnish all plant, labor, materials, supplies, equipment and other facilities and things necessary or proper or incidental to the construction as required by and in strict accordance with the applicable provisions of the plans and specifications and of all Addenda or bulletins issued by the Owner and mailed to the undersigned prior to the date for the opening of bids, whether received by the undersigned or not, for the following Unit and for Lump Sum prices.



CONTRACT NO. 6A

Item No.	Description	Est. Qty.	Unit	Unit Price		Total Price in figures
				Top Line - figures	Bottom Line - in words	
1-A	<u>66" PRESTRESSED CONCRETE</u> <u>CYLINDER PIPE (P.C.C.P.)</u> <u>(STANDARD CORE)</u>					
1-A-1	0'-6' deep	100'	L.F.	(\$ 179.00 )	<u>One hundred seventy nine Dollars no cents</u>	(\$ 17,900.00 )
1-A-2	6'-8' deep	750	L.F.	(\$ 182.00 )	<u>One hundred eighty two Dollars no cents</u>	(\$ 136,500.00 )
1-A-3	8'-10' deep	750	L.F.	(\$ 196.00 )	<u>One hundred ninety six Dollars no cents</u>	(\$ 147,000.00 )
1-A-4	10'-12' deep	820	L.F.	(\$ 200.00 )	<u>Two hundred dollars no cents</u>	(\$ 164,000.00 )
1-A-5	12'-14' deep	690	L.F.	(\$ 208.00 )	<u>Two hundred and eight Dollars no cents</u>	(\$ 143,520.00 )

BF6A-2

Item No.	Description	Est. Qty.	Unit	Unit Price		Total Price in figures
				Top Line - figures	Bottom Line - in words	
1-A-6	14'-16' deep	920	L.F.	(\$ 215.00 )		
				<u>Two hundred fifteen Dollars no cents</u>		(\$ 197,800.00)
1-A-7	16'-18' deep	920	L.F.	(\$ 251.00 )		
				<u>Two hundred fifty one Dollars no cents</u>		(\$ 230,920.00)
1-A-8	18'-20' deep	455	L.F.	(\$ 274.00 )		
				<u>Two hundred seventy four Dollars no cents</u>		(\$ 124,670.00)
1-A-9	20'-22' deep	285	L.F.	(\$ 292.00 )		
				<u>Two hundred ninety two Dollars no cents</u>		(\$ 83,220.00)
1-B	<u>66" PRESTRESSED CONCRETE CYLINDER PIPE (HEAVY CORE)</u>					
1-B-1	0'-6' deep	100	L.F.	(\$ 194.00 )		
				<u>One hundred ninety four Dollars no cents</u>		(\$ 19,400.00)
1-B-5	12'-14' deep	105	L.F.	(\$ 222.00 )		
				<u>Two hundred twenty two Dollars no cents</u>		(\$ 23,310.00)
1-B-6	14'-16' deep	10	L.F.	(\$ 225.00 )		
				<u>Two hundred twenty five Dollars no cents</u>		(\$ 2,250.00)

Item No.	Description	Est. Qty.	Unit	Unit Price		Total Price in figures
				Top Line - figures	Bottom Line - in words	
1-B-7	16'-18' deep	25	L.F.	(\$ 265.00 )		
					<u>Two hundred sixty five Dollars no cents</u>	(\$ 6,625.00)
1-B-8	18'-20' deep	80	L.F.	(\$ 288.00 )		
					<u>Two hundred eighty eight Dollars no cents</u>	(\$ 23,040.00)
1-B-9	20'-22' deep	545	L.F.	(\$ 306.00 )		
					<u>Three hundred and six Dollars no cents</u>	(\$ 166,770.00)
2-A	<u>FITTINGS FOR 66" P.C.C.P.</u> <u>(STANDARD CORE)</u>			(\$ 500.00 )		
2-A-1	Bends 0°-15°	8	Each			
					<u>Five hundred Dollars no cents</u>	(\$ 4,000.00)
2-A-2	Bends 15°-30°	2	Each	(\$ 500.00 )		
					<u>Five hundred Dollars no cents</u>	(\$ 1,000.00)
2-A-3	Bends 30°-40°	3	Each	(\$ 1,000.00 )		
					<u>One thousand Dollars no cents</u>	(\$ 3,000.00)

Item No.	Description	Est. Qty.	Unit	Unit Price		Total Price in figures
				Top Line - figures	Bottom Line - in words	
6	Shoring left-in-place as directed by Engineer	300	M.B.F.	(\$ 200.00 )	Two Hundred Dollars no cents	(\$ 60,000 )
7	Sand backfill around Gulf Oil Pipe Lines	40	C.Y.	(\$ 45.00 )	Fortyfive Dollars no cents	(\$ 1,800.00 )
8	Timber Piles	1650	V.F.	(\$ 14.00 )	Fourteen Dollars no cents	(\$ 23,100.00 )
9	Reinforced Concrete Pipe Caps	300	L.F.	(\$ 51.00 )	Fiftyone Dollars no cents	(\$ 15,300.00 )
10	Rip-Rap with 12" Stone Base	250	S.Y.	(\$ 50.00 )	Fiftyone Dollars no cents	(\$ 12,500.00 )
11	PIPE CROSSINGS					
11-A	Creek Crossing,					
11-A-1	Darby Creek Crossing complete with Concrete Encasement	220	L.F.	(\$ 452.00 )	Four hundred fiftytwo Dollars no cents	(\$ 99,440.00 )

Item No.	Description	Est. Qty.	Unit	Unit Price		Total Price in figures
				Top Line - figures	Bottom Line - in words	
2-A-4	Bends 40°-60°	4	Each	(\$ 1,000.00 )	One thousand Dollars no cents	(\$ 4,000.00)
2-A-5	66"x18" fly outlet tee	1	Each	(\$ 500.00 )	Five hundred Dollars no cents	(\$ 500.00)
2-A-6	6" tangent outlets	2	Each	(\$ 200.00 )	Two hundred Dollars no cents	(\$ 400.00)
2-A-7	2" threaded outlet	1	Each	(\$ 200.00 )	Two hundred Dollars no cents	(\$ 200.00)
2-A.8	66" Plugs	3	Each	(\$ 1,000.00 )	One thousand Dollars no cents	(\$ 3,000.00)
2-B	FITTINGS FOR 66" P.C.C.P. (HEAVY CORE)			(\$ 500.00 )		
2-B-1	Bends 0°-15°	3	Each		Five hundred Dollars no cents	(\$ 1,500.00)
2-C	Harnessed Joints	210	Each	(\$ 100.00 )	One hundred Dollars no cents	(\$ 21,000.00)

Item No.	Description	Est. Qty.	Unit	Unit Price		Total Price in figures
				Top Line - figures	Bottom Line - in words	
3	66" Pipe Connections with required closure pieces	3	Each	(\$ 2,000.00 )		
4	<u>CLASS "B" CONCRETE</u>				<u>Two thousand Dollars no cents</u>	(\$ 6,000.00)
4-A	Class "B" Concrete with reinforcing. (Std. for En- casement of Heavy Core Pipe)	765	L.F.	(\$ 137.00 )		
					<u>One hundred thirty seven Dollars no cents</u>	(\$ 104,805.00)
4-B	Class "B" Concrete for miscellaneous use as directed by the Engineer	160	C.Y.	(\$ 57.00 )		
					<u>Fifty seven - Dollars no cents</u>	(\$ 9,120.00 )
5	<u>CRUSHED STONE BEDDING FOR 66" P.C.C.P.</u>					
5-A	0'-2' below bottom of pipe	3500	C.Y.	(\$ 21.00 )		
					<u>Twenty one Dollars no cents</u>	(\$ 73,500.00 )
5-B	2'-4' below bottom of pipe	1500	C.Y.	(\$ 21.00 )		
					<u>Twenty one Dollars no cents</u>	(\$ 31,500.00 )
5-C	4'-6' below bottom of pipe	1000	C.Y.	(\$ 21.00 )		
					<u>Twenty one Dollars no cents</u>	(\$ 21,000.00)

Item No.	Description	Est. Qty.	Unit	Unit Price		Total Price in figures
				Top Line - figures	Bottom Line - in words	
11-A-2	Church Creek Crossing complete with Concrete Encasement	145	L.F.	(\$ 563.00 )	<u>Five hundred sixty three Dollars no cents</u>	(\$ 81,635.00)
11-B	Tunnel Crossings					
11-B-1	Crossing under Essington Ave. - Tunnel No. 1	120	L.F.	(\$ 705.00 )	<u>Seven hundred and five Dollars no cents</u>	(\$ 84,600.00)
11-B-2	Crossing under Penrose Ave. - Tunnel No. 2	120	L.F.	(\$ 680.00 )	<u>Six hundred eighty Dollars no cents</u>	(\$ 81,600.00)
12	<u>CHAMBERS AND ACCESSORIES</u>					
12-A	Air Release & Air Vacuum Valve Chamber	1	Each	(\$ 19,500.00 )	<u>Nine thousand five hundred</u>	(\$ 19,500.00)
12-B	6" Steel Pipe & Fittings	60	L.F.	(\$ 26.50 )	<u>Twenty six Dollars Fifty cents</u>	(\$ 1,590.00)
12-C	Plug Valves & Boxes w/stems	2	Each	(\$ 600.00 )	<u>Six hundred Dollars no cents</u>	(\$ 1,200.00)

Item No.	Description	Est. Qty.	Unit	Unit Price		Total Price in figures
				Top Line - figures	Bottom Line - in words	
12-D	Air Release Valve Manhole	1	Each	(\$ 3,100.00 )		
					<u>Three thousand one hundred Dollars no cents</u>	(\$ 3,100.00 )
12-E	Access Manhole	1	Each	(\$ 2,125.00 )		
					<u>Two thousand one hundred twenty five Dollars<sup>no cents</sup></u>	(\$ 2,125.00 )
13	<u>REPAVING</u>					
13-A	City of Phila. Streets	400	L.F.	(\$ 22.00 )		
					<u>Twenty two Dollars no cents</u>	(\$ 8,800.00 )
13-B	Access Road to Bird Refuge	15	L.F.	(\$ 22.00 )		
					<u>Twenty two Dollars no cents</u>	(\$ 330.00 )
14	Temporary Repaving	415	L.F.	(\$ 15.50 )		
					<u>Fifteen Dollars Fifty cents</u>	(\$ 6,432.50 )
15	LAWN RESTORATION					
15-A	Topsoil & Seed in areas of North & South Rds., within the Southwest Water Pollution Control Plant & where directed by the Engineer.	460	L.F.	(\$ 6.65 )		
					<u>Six Dollars Sixty five cents</u>	(\$ 3,059.00 )



Item No.	Description	Est. Qty.	Unit	Unit Price		Total Price in figures
				Top Line - figures	Bottom Line - in words	
15-B	Sod where authorized by the Engineer	750	S.Y.	(\$ 3.75 )	Three Dollars Seventy five cents	(\$ 2 812.50 )
16	Construction of Venturi Meter Chamber & Entrance Chamber w/Heavy Core Force Main		L.S.	(\$ 298,000 )	Two Million Nine Hundred Ninety Eight Thousand Dollars	(\$ 298,000 )
17	PENNSYLVANIA DEPT. OF TRANSPORTATION (INSPECTION FEES)			(\$ 5.30 )		
17-A	Penn DOT Inspector	200	Hours		Five Dollars and Thirty Cents	(\$ 1060.00 )
17-B	Penn DOT Travel	900	Miles	(\$ 0.15 )	Fifteen Cents	(\$ 135.00 )
Total Bid amount for Contract No. 6A equals the summation of Item No's. 1 through 17					Two Million Five Hundred Eighty Thousand Five Hundred Sixty Nine Dollars and Cents	(\$ 2,580,569.00 )

Total Bid Amount for Contract No. 6-A

(Addition Corrected by Betz Environmental Engineers  
TWO MILLION, FIVE HUNDRED SEVENTY-NINE  
THOUSAND, FIVE HUNDRED SIXTY-NINE AND  
00  
100 DOLLARS (\$ 2,579,569.00 )

2. The bidder agrees to begin work within ten (10) calendar days after the date designated in the Notice to Proceed and to complete the entire contract within 270 consecutive calendar days from the date of notification to begin work for both Section "1" and Section "4".

3. In case of failure on the part of the Contractor to complete the work within the time fixed in the contract or any extensions thereof, the Contractor shall pay the Owner as liquidated damages the sum of One Hundred

DOLLARS and No CENTS (\$ 100.00 ) for each

calendar day of delay until the work is completed or accepted for each Section.

4. The undersigned agrees upon receipt of written notice of the acceptance of this bid within ninety (90) days after the date of opening of bids, to execute the Construction Contract, in accordance with the bid as accepted, and to give the bonds required with good and sufficient surety or sureties.

5. Payment for all work called for in the plans and specifications or required for proper completion of the work under this contract and not specifically mentioned in the plans and specifications will be considered as covered by the unit price payments and no extra payments will be allowed therefor.

6. The undersigned hereby designates as his office to which such notice of acceptance may be mailed, telegraphed or delivered:

P.O. Box 31, Willow Grove, Penn. 19090

7. Accompanying this proposal is a Bid Bond  
in the amount of Five percent of bid amount  
DOLLARS and — CENTS (\$ 500 ) as bid security.

8. This bid may be withdrawn at any time prior to the scheduled time for the opening of bids or any authorized postponement thereof.

9. The undersigned acknowledges that he received the following Addenda to the Specifications and that this bid was prepared in accordance with said Addenda:

# /

July 15, 1974

10. The bidder understands that the quantities in unit price work are approximate only and are presented solely for the purpose of comparing bids. He understands and agrees that the Owner may increase or decrease the quantity of work to be done under any item. He further agrees that in case of any error or inconsistency in the figures contained in the proposal the unit prices shall govern, and that if his proposal is accepted, the unit prices contained in the proposal are the unit prices which he will receive and which the Owner will pay for the work specified to be done under the items, in the manner set forth and required by the Contract Documents, without recitation or repetition of said unit prices in the contract agreement.

11. INFORMATION TO BE FURNISHED BY BIDDER

The undersigned proposed to furnish the following equipment, contingent upon its conformity to the Specifications and its approval by the Engineer. One Manufacturer's name must be stated. Use of the words "as specified" or similar wording will not be acceptable in lieu of the Manufacturer's name.

NOTE: In the event that the Bidder names more than one Manufacturer for any unit, the Owner reserves the right to select and designate which Manufacturer shall furnish said unit. The Owner also reserves the right to reject all Manufacturers named by the Bidder whose products do not meet the requirements of the Specifications.

UNITMANUFACTURER

Venturi Tube -----	<u>B.I.F.</u>
Flow Transmitter & Recorder---	<u>B.I.F.</u>
Sluice Gate -----	<u>ROONEY HUNT</u>

12. LIST OF INTENDED SUBCONTRACTORS

Subcontractor (Name and Address)Work To Be PerformedR. L. Baver Inc.ElectricalPhila. Pa.

Witness:

By:

\*

Date:

Principal (Individual)

Address

Witness:

By:

\*

Date:

(Principal (Partnership))

Address

(CORPORATE SEAL)

Attest:

Secretary

Date:

President (Corporation)

LEHIGH FOUNDATIONS INC.  
a corporation organized under  
the laws of Pennsylvania

P.O. Box 31  
DAVISVILLE ROAD

W. How Grove, Pa.

Corporation Name and Address

\* Insert bidder's name. If a corporation, give the state of incorporation using the phrase, "a corporation organized under the laws of \_\_\_\_\_"

If a partnership, give names of partners, using also the phrase "co-partners trading and doing business under the firm name and style of \_\_\_\_\_"

If an individual using a trade name, give individual name, using also the phrase "an individual doing business under the firm name and style of: \_\_\_\_\_"

ALBRIGHT & FRIEL  
A Division Of  
BETZ ENVIRONMENTAL ENGINEERS, INC.  
ONE PLYMOUTH MEETING MALL  
PLYMOUTH MEETING, PENNSYLVANIA 19462

BID FORM

(Notice: This Bid must be executed in ink or by typed entries  
and it must not be removed from this document)

BID

FOR CONSTRUCTION OF

CONTRACT NO. 7 - STRUCTURAL AND MECHANICAL WORK for the  
Delaware County Regional Water Quality  
Control Authority, Wastewater Pumping Station

TO: DELAWARE COUNTY REGIONAL WATER  
QUALITY CONTROL AUTHORITY  
100 EAST FIFTH STREET  
CHESTER, PENNSYLVANIA 19013

Attn: Mr. William Turner, Executive Director

herein called the OWNER.

1. Pursuant to and in compliance with your Advertisement  
dated December 20, 1973, inviting proposals to be received until  
2:00 P.M., Prevailing Time, Tuesday, January 22, 1974, for the  
construction of:

CONTRACT NO. 7 - STRUCTURAL AND MECHANICAL WORK  
for the Delaware County Regional Water Quality  
Control Authority, Wastewater Pumping Station

and having carefully examined the Contract Documents comprising  
the plans, specifications and all other documents bound therewith,  
together with all addenda or bulletins thereto; and being  
familiar with the site and the various conditions affecting the  
work, the undersigned hereby offers to furnish all plant, labor,  
materials, supplies, equipment and other facilities and things  
necessary or proper or incidental to the construction as required  
by and in strict accordance with the applicable provisions of the  
plans and specifications and of all Addenda or bulletins issued  
by the Owner and mailed to the undersigned prior to the date for  
the opening of bids, whether received by the undersigned or not,  
for the following Lump Sum Price of:

ITEM NO. 1 - STRUCTURAL AND MECHANICAL WORK For the Wastewater Pumping Station, complete, but not including piling, for the Lump Sum price of:

Two Million Three Hundred Forty Two Thousand Five  
Hundred DOLLARS and No. CENTS (\$ 2,342,500<sup>00</sup> )

ITEM NO. 2 - Allowance to compensate the Testing Laboratory, selected by the Engineer, and paid by the Contractor, for testing all cast-in-place concrete, for the estimated Lump Sum Price of:

FIVE THOUSAND DOLLARS  
and NO CENTS (\$ 5,000.00 )

UNIT PRICE ITEMS

Item No.	Description (With Unit Price In Words)	Qty.	Unit	Unit Price (Figures)	Total Amount (Figures)
3	Timber piles driven to bearing value of 25 tons, complete, in place				
	<u>ELEVEN AND <sup>00</sup>/<sub>100</sub> DOLLARS</u> per Vertical Foot	450	V.F.	\$ <u>11<sup>00</sup></u>	\$ <u>4950<sup>00</sup></u>
4	Crushed Stone Bedding				
	<u>TWELVE AND <sup>00</sup>/<sub>100</sub> DOLLARS</u> per Cubic Yard	350	C.Y.	\$ <u>12<sup>00</sup></u>	\$ <u>4200<sup>00</sup></u>

TOTAL AMOUNT OF BASE BID FOR CONTRACT NO. 7, Structural and Mechanical Work, is the sum of Items Nos. 1 through 4, namely:

Two Million Three Hundred Fifty Six Thousand Six Hundred  
Fifty DOLLARS and No CENTS (\$ 2,356,650<sup>00</sup> )

2. The bidder agrees to begin work within ten (10) calendar days after the date designated in the Notice To Proceed and to complete the entire contract within three hundred sixty-five (365) consecutive calendar days from the date of notification to begin work.
3. In case of failure on the part of the Contractor to complete the work within the time fixed in the contract or any extensions thereof, the Contractor shall pay the Owner as liquidated damages the sum of ONE HUNDRED FIFTY DOLLARS and NO CENTS (\$150.00) for each calendar day of delay until the work is completed or accepted.
4. The undersigned agrees upon receipt of written notice of the acceptance of this bid within ninety (90) days after the date of opening of bids, to execute the Construction Contract, in accordance with the bid as accepted, and to give the bonds required with good and sufficient surety or sureties.
5. Payment for all work called for in the plans and specifications or required for proper completion of the work under this contract and not specifically mentioned in the plans and specifications will be considered as covered by the Lump Sum and Unit Price payments and no extra payments will be allowed therefor.
6. The undersigned hereby designates as his office to which such notice of acceptance may be mailed, telegraphed or delivered:
- PERKINS, KANAK, FOSTER, INC. \_\_\_\_\_  
P. O. BOX 360  
NEWTOWN, PA. 18940 \_\_\_\_\_
7. Accompanying this proposal is a BID BOND in the amount of ONE HUNDRED TWENTY FIVE THOUSAND DOLLARS and NO CENTS (\$125,000.00) as bid security.
8. This bid may be withdrawn at any time prior to the scheduled time for the opening of bids or any authorized postponement thereof.
9. The undersigned acknowledges that he received the following Addenda to the Specifications and that this bid was prepared in accordance with said Addenda:

Addendum No.

Date of Addendum

# 1

DEC 20, 1973

# 2

JAN 10, 1974

# 3

JAN 10, 1974

10.

LIST OF INTENDED SUBCONTRACTORS

Subcontractor (Name and Address)

Work To Be Performed

MARK III MECHANICAL INC

MECHANICAL

Po Box 390

NEWTOWN, PA 17940

11.

INFORMATION TO BE FURNISHED BY BIDDER

The undersigned proposes to furnish the following equipment, contingent upon its conformity to the Specifications and its approval by the Engineer. One Manufacturer's name must be stated. Use of the words "as specified" or similar wording will not be acceptable in lieu of the Manufacturer's name.



FEB 14 Rec'd

PERKINS, KANAK, FOSTER, INC.  
GENERAL CONTRACTORS



NEWTOWN INDUSTRIAL COMMONS • P. O. BOX 360 • NEWTOWN, PA. 18940 • (215) 968-5031

February 1, 1974

Albright & Friel  
A Division of Betz Environmental Engineers, Inc.  
One Plymouth Meeting Mall  
Plymouth Meeting, Pennsylvania 19462

ATTN: Mr. Ray Sams

RE: Contract No. 7  
Structural & Mechanical Work  
Darby Creek Pumping Station

Gentlemen:

With reference to our bid on the above referenced project, we will withdraw our exception to the CR-13 Specification on Gate Valves.

Very truly yours,

PERKINS, KANAK, FOSTER, INC.

A handwritten signature in dark ink, appearing to read 'Richard L. Foster'. The signature is written in a cursive, flowing style.

Richard L. Foster

RLF:M

CC: HO

NOTE: In the event that the Bidder names more than one Manufacturer for any unit, the Owner reserves the right to select and designate which Manufacturer shall furnish said unit. The Owner also reserves the right to reject all Manufacturers named by the Bidder whose products do not meet the requirements of the Specifications. See Contract Article 10(c) and (d).

<u>UNIT</u>	<u>MANUFACTURER</u>
Mechanical Bar Screen	<u>REX - NORD</u>
Grinding Machines	<u>MIL - PAC</u>
Raw Sewage Pumps	<u>ALLIS - CHALMER</u>
Pump Motors and Controls	<u>GENERAL ELECTRIC</u>
Water Seal Pumps	<u>CHICAGO</u>
Sump Pumps	<u>CHICAGO</u>
Sluice Gates	<u>RODNEY HUNT</u>
Cone Valves & Accumulator Units	<u>ALLIS - CHALMER</u>
Gate Valves	<u>CLOW (EXCL. CR-13 SPEC.)</u>
Blowers	<u>ROOTS</u>
Travelling Cranes	<u>CLEVELAND TRAMRAIL</u>
Jib Cranes	<u>CLEVELAND TRAMRAIL</u>
Instrumentation	<u>FISCHER &amp; PORTER</u>
Concrete Pipe	<u>INTERPACE</u>

Date: \_\_\_\_\_

Principal (Individual) \*

Address

Witness: \_\_\_\_\_

By: \_\_\_\_\_

Date: \_\_\_\_\_

Principal (Partnership) \*

Address

(CORPORATE SEAL)

Attest: \_\_\_\_\_

Secretary Richard L. Foster

Allen J. Kankig  
Allen J. Kankig  
Vice President (Corporation)

Date: JAN 22, 1974

— PERKINS, KANAK, FOSTER, INC. —

P. O. BOX 360

— NEWTOWN, PA. 18940 —

Corporation Name and Address

\*Insert bidder's name. If a corporation, give the state of incorporation using the phrase, "a corporation organized under the laws of:

PENNSYLVANIA "

If a partnership, give names of partners, using also the phrase "co-partners trading and doing business under the firm name and style of:

If an individual using a trade name, give individual name, using also the phrase "an individual doing business under the firm name and style of:

ALBRIGHT & FRIEL  
A Division Of  
BETZ ENVIRONMENTAL ENGINEERS, INC.  
ONE PLYMOUTH MEETING MALL  
PLYMOUTH MEETING, PENNSYLVANIA 19462

BID FORM

(Notice: This Bid must be executed in ink or by typed entries  
and it must not be removed from this document)

BID

FOR CONSTRUCTION OF

CONTRACT NO. 8 - ELECTRICAL WORK For The Delaware County  
Regional Water Quality Control Authority,  
Wastewater Pumping Station

TO: DELAWARE COUNTY REGIONAL WATER  
QUALITY CONTROL AUTHORITY  
100 EAST FIFTH STREET  
CHESTER, PENNSYLVANIA 19013

Attn. Mr. William Turner, Executive Director

herein called the OWNER.

1. Pursuant to and in compliance with your Advertisement  
dated December 20, 1973, inviting proposals to be received until  
2:00 P.M., Prevailing Time, Tuesday, January 22, 1974, for the  
construction of:

CONTRACT NO. 8 - ELECTRICAL WORK For The Delaware County  
Regional Water Quality Control Authority,  
Wastewater Pumping Station

and having carefully examined the contract documents comprising  
the plans, specifications and all other documents bound there-  
with, together with all addenda or bulletins thereto; and being  
familiar with the site and the various conditions affecting the  
work, the undersigned hereby offers to furnish all plant, labor,  
materials, supplies, equipment and other facilities and things  
necessary or proper or incidental to the construction as required  
by and in strict accordance with the applicable provisions of the  
plans and specifications and of all Addenda or bulletins issued  
by the Owner and mailed to the undersigned prior to the date for  
the opening of bids, whether received by the undersigned or not,  
for the following Lump Sum Price of:

ITEM NO. 1 - ELECTRICAL WORK for the Wastewater Pumping Station,  
complete, for the lump sum price of:

THREE HUNDRED NINETY TWO THOUSAND SIX HUNDRED FOURTEEN

\_\_\_\_\_ DOLLARS and \_\_\_\_\_ CENTS (\$ 392,614.<sup>00</sup>/<sub>100</sub>) ✓

ALTERNATE

Total alternate bid amount for the Wastewater Pumping Station  
Electrical Work modifies by the substitution of a Diesel-powered  
generator system (specification enclosed) for the Turbine engine-  
powered generator system.

ITEM NO. 2 - BID ALTERANTE

DEDUCT

THIRTY SEVEN THOUSAND

\_\_\_\_\_ DOLLARS and \_\_\_\_\_ CENTS (\$ 37,000.<sup>00</sup>/<sub>100</sub>) ✓

2. The bidder agrees to begin work within ten (10) calendar days after the date designated in the Notice To Proceed and to complete the entire contract within four hundred and fifty (450) consecutive calendar days from the date of notification to begin work.
3. In case of failure on the part of the Contractor to complete the work within the time fixed in the contract or any extensions thereof, the Contractor shall pay the Owner as liquidated damages the sum of ONE HUNDRED FIFTY DOLLARS and NO CENTS (\$150.00) for each calendar day of delay until the work is completed or accepted.
4. The undersigned agrees upon receipt of written notice of the acceptance of this bid within ninety (90) days after the date of opening of bids, to execute the Construction Contract, in accordance with the bid as accepted, and to give the bonds required with good and sufficient surety or sureties.
5. Payment for all work called for in the plans and specifications or required for proper completion of the work under this contract and not specifically mentioned in the plans and specifications will be considered as covered by the Lump Sum payments and no extra payments will be allowed therefor.
6. The undersigned hereby designates as his office to which such notice of acceptance may be mailed, telegraphed or delivered:

Rite Way Electric, Inc. 415 E. Jasper Street

(P.O. Box 65) Media, Pennsylvania, 19063

7. Accompanying this proposal is a Bid Bond  
in the amount of Five Percent of Total Amount of Bid  
DOLLARS and 5% of Bid CENTS (\$ xxxxxx) as bid security.

8. This bid may be withdrawn at any time prior to the scheduled time for the opening of bids or any authorized postponement thereof.
9. The undersigned acknowledges that he received the following Addenda to the Specifications and that this bid was prepared in accordance with said Addenda:

<u>Addendum No.</u>	<u>Date of Addendum</u>
No. 1	December 20, 1973
No. 2	January 10, 1974
No. 3	January 10, 1974

10. LIST OF INTENDED SUBCONTRACTORS

<u>Subcontractor (Name and Address)</u>	<u>Work To Be Performed</u>

11. INFORMATION TO BE FURNISHED BY BIDDER

The undersigned proposes to furnish the following equipment, contingent upon its conformity to the Specifications and its approval by the Engineer. One Manufacturer's name must be stated. Use of the words "as specified" or similar wording will not be acceptable in lieu of the Manufacturer's name.

NOTE: In the event that the Bidder names more than one Manufacturer for any unit, the Owner reserves the right to select and designate which Manufacturer shall furnish said unit. The Owner also reserves the right to reject all Manufacturers named by the Bidder whose products do not meet the requirements of the Specifications. See Contract Article 10(c) and (d).

DELCORA PUMPING STATION

ELECTRICAL EQUIPMENT SUPPLIER LIST

<u>Equipment</u>	<u>Manufacturer</u>
Emergency Turbine Generator Set	<u>Harvey Per</u>
13.2 KV Metalclad Switchgear	<u>GE</u>
1500 KVA Secondary Unit Substation	<u>GE</u>
480 V. Motor Control Center	<u>GE</u>
Interior Lighting Fixtures	<u>(Attach List)</u>
Outdoor Lighting Fixtures	<u>(Attach List)</u>
Security Alarm System	<u>Camwell</u>
Fire Alarm System	<u>Camwell</u>
Conduit and Duct	<u>(Attach List)</u> <u>( By Type )</u>
Wiring Devices	<u>GE</u>
15 KV and 600 V. Cable	<u>(Attach List)</u> <u>( By Type )</u>
Lighting Transformer	<u>GE</u>
Panelboards	<u>GE</u>

Witness:

By:

Date:

Principal (Individual) \*

Address

Witness:

By:

Date:

Principal (Partnership) \*

Address

(CORPORATE SEAL)

Attest:

Secretary Clyde H. Ranson

Date: January 22, 1974

President (Corporation) \*

Fred E. Brumble,

Rite Way Electric, Inc.

415 E. Jasper Street

Media, Pa. 19063

Corporation Name and Address

\*Insert bidder's name. If a corporation, give the state of incorporation using the phrase, "a corporation organized under the laws of:

State of Pennsylvania "

If a partnership, give names of partners, using also the phrase "co-partners trading and doing business under the firm name and style of: "

If an individual using a trade name, give individual name, using also the phrase "an individual doing business under the firm name and style of: "



ALBRIGHT & FRIEL  
A Division Of  
BETZ ENVIRONMENTAL ENGINEERS, INC.  
ONE PLYMOUTH MEETING MALL  
PLYMOUTH MEETING, PENNSYLVANIA 19462

BID FORM

(Notice: This Bid must be executed in ink or by typed entries and it must not be removed from this document)

BID

FOR CONSTRUCTION OF

CONTRACT NO. 9-HEATING, VENTILATING, AIR CONDITIONING AND PLUMBING  
WORK for the Delaware County Regional Water Quality  
Control Authority, Wastewater Pumping Station

To: DELAWARE COUNTY REGIONAL  
WATER QUALITY CONTROL AUTHORITY  
100 EAST FIFTH STREET  
CHESTER, PENNSYLVANIA 19013

Attn: Mr. William Turner, Executive Director

herein called the OWNER.

1. Pursuant to and in compliance with your Advertisement  
dated December 20, 1973, inviting proposals to be received  
until 2:00 P.M., Prevailing Time, Tuesday, January 22, 1973,  
for the construction of:

CONTRACT NO. 9-HEATING, VENTILATING, AIR CONDITIONING AND PLUMBING  
WORK for the Delaware County Regional Water Quality  
Control Authority, Wastewater Pumping Station.

and having carefully examined the contract documents comprising  
the plans, specifications and all other documents bound therewith,  
together with all addenda or bulletins thereto; and being familiar  
with the site and the various conditions affecting the work, the  
undersigned hereby offers to furnish all plant, labor, materials,  
supplies, equipment and other facilities and things necessary or  
proper or incidental to the construction as required by and in  
strict accordance with the applicable provisions of the plans and  
specifications and of all Addenda or bulletins issued by the Owner  
and mailed to the undersigned prior to the date for the opening  
of bids, whether received by the undersigned or not, for the following  
Lump Sum Price of:

ITEM NO. 1-HEATING, VENTILATING, AIR CONDITIONING AND PLUMBING  
Work, complete, for the lump sum price of:

SEVENTY NINE THOUSAND FOUR HUNDRED NINETEEN

                     Dollars and NO Cents (\$ 79,419.00)

2. The bidder agrees to begin work within ten (10) calendar days after the date designated in the Notice to Proceed and to complete the entire contract within ~~XXXXXXXXXXXXXXXXXXXXXXXXXXXX~~ <sup>450</sup> ~~(388)~~ consecutive calendar days from the date of notification to begin work.

3. In case of failure on the part of the Contractor to complete the work within the time fixed in the contract or any extensions thereof, the Contractor shall pay the Owner as liquidated damages the sum of One Hundred Fifty

DOLLARS and NO CENTS (\$ 150.00 ) for each calendar day of delay until the work is completed or accepted.

4. The undersigned agrees upon receipt of written notice of the acceptance of this bid within ninety (90) days after the date of opening of bids, to execute the Construction Contract, in accordance with the bid as accepted, and to give the bonds required with good and sufficient surety or sureties.
5. Payment for all work called for in the plans and specifications or required for proper completion of the work under this contract and not specifically mentioned in the plans and specifications will be considered as covered by the Lump Sum payments and no extra payments will be allowed therefor.
6. The undersigned hereby designates as his office to which such notice of acceptance may be mailed, telegraphed or delivered:

Fidelity Bank Building

Lansdowne, Pa. 19050

7. Accompanying this proposal is a Bid Bond in the amount of SEVENTY NINE HUNDRED FORTY-TWO DOLLARS and NO CENTS (\$ 7942.00 ) as bid security.
8. This bid may be withdrawn at any time prior to the scheduled time for the opening of bids or any authorized postponement thereof.
9. The undersigned acknowledges that he received the following Addenda to the Specifications and that this bid was prepared in accordance with said Addenda:

Addendum No.Date of Addendum

1

December 20, 1973

2

January 10, 1974

3

January 10, 1974

10.

LIST OF INTENDED SUBCONTRACTORS

Subcontractor (Name and Address)

Work To Be Performed

Asbestos Insulating Co. - 311 W. Marshall St.      Insulation  
Norristown, Pa. 19404

Johnson Service Co.      -      10601 Decatur Road      Automatic Temperature  
Phila., Pa. 19154      Control

A. Wegmann Co., Inc.      -      5535 Lena Street      Sheet Metal  
Phila., Pa. 19144

11.

INFORMATION TO BE FURNISHED BY BIDDER

The undersigned proposed to furnish the following equipment, contingent upon its conformity to the Specifications and its approval by the Engineer. One Manufacturer's name must be stated. Use of the words "as specified" or similar wording will not be acceptable in lieu of the Manufacturer's name.

NOTE: In the event that the Bidder names more than one Manufacturer for any unit, the Owner reserves the right to select and designate which Manufacturer shall furnish said unit. The Owner also reserves the right to reject all Manufacturers named by the Bidder whose products do not meet the requirements of the Specifications.  
See Contract Article 10 (c) and (d).

UNITMANUFACTURER

Plumbing Fixtures

American Standard

A.C. System

York Corporation

Exhaust Fans

Acme Industries

Automatic Temperature Controls

Johnson Service

Date: \_\_\_\_\_

Principal (Individual) \*

Address

Witness: \_\_\_\_\_

By: \_\_\_\_\_

Date: \_\_\_\_\_

Principal (Partnership) \*

Address

(CORPORATE SEAL)

Attest: \_\_\_\_\_

Secretary

Date: January 22, 1974

President (Corporation)

Edward J. Meloney, Inc.

Fidelity Bank Building

Lansdowne, Pa. 19050

Corporation Name and Address

\*Insert bidder's name. If a corporation, give the state of incorporation using the phrase, "a corporation organized under the laws of:

Pennsylvania "

If a partnership, give names of partners, using also the phrase "co-partners trading and doing business under the firm name and style of:

If an individual using a trade name, give individual name, using also the phrase "an individual doing business under the firm name and style of:

BETZ ENVIRONMENTAL ENGINEERS, INC.  
ONE PLYMOUTH MEETING MALL  
PLYMOUTH MEETING, PENNSYLVANIA 19462

BID FORM

(Notice: This Bid must be executed in ink or by typed entries  
and it must not be removed from this document)

BID

FOR CONSTRUCTION OF

CONTRACT NO. 10 - 2ND AND DOCK ST. PUMPING STATION  
STRUCTURAL AND MECHANICAL WORK

TO: DELAWARE COUNTY REGIONAL  
WATER QUALITY CONTROL AUTHORITY  
100 EAST FIFTH STREET  
CHESTER, PENNSYLVANIA 19013

herein called the OWNER.

1. Pursuant to and in compliance with your Advertisement  
dated Fri., Feb. 20, 76, inviting proposals to be received  
until 2:00 P.M., Tuesday, March 30, 1976

for the construction of:

CONTRACT NO. 10 - 2ND AND DOCK ST. PUMPING STATION  
STRUCTURAL AND MECHANICAL WORK

Having carefully examined the contract documents comprising the  
plans, specifications, and all other documents bound therewith,  
together with all addenda or bulletins thereto; and being familiar  
with the site and the various conditions affecting the work, the  
undersigned hereby offers to furnish all plant, labor, materials,  
supplies, equipment and other facilities and things necessary or  
proper or incidental to the construction as required by and in  
strict accordance with the applicable provisions of the plans and  
specifications and of all Addenda or bulletins issued by the Owner  
and mailed to the undersigned prior to the date for the opening of  
bids, whether received by the undersigned or not, for the following  
Unit and Lump Sum Prices:

Item No. 1 - Structural and Mechanical Work for the Construction of the Wastewater Pumping Station and associated facilities shown on the Plans and specified herein, complete, except for Items No. 2 through No. 9, for the Lump Sum Price of:

TWO Million, Nine Hundred Eighty Eight Thousand  
(Written) DOLLARS and No. CENTS (\$2,988,000.00)  
(figures)

Item No. 2 - Closed ended Pipe Piles 180 Lin. Ft. @ \$30.-/Ft. =

FIVE THOUSAND, FOUR HUNDRED  
(Written) DOLLARS and No CENTS (\$5400.00)  
(figures)

Item No. 3 - Opened ended Pipe Pile 550 Lin. Ft. @ \$65.00/Ft. =

THIRTY FIVE THOUSAND, SEVEN HUNDRED FIFTY  
(Written) DOLLARS and No. CENTS (\$35,750.00)  
(figures)

Item No. 4 - Rock Sockets for Opened ended Pipe Piles 59 Lin. Ft.

@ \$200.00/Ft. = ELEVEN THOUSAND, EIGHT HUNDRED  
(Written) DOLLARS and No CENTS (\$11,800.00)  
(figures)

Item No. 5 - Casing Pipe and Drilling through existing Obstructions and/or Foundations 7 @ \$4000.00 EACH =

TWENTY EIGHT THOUSAND  
(Written) DOLLARS and No CENTS (\$28,000.00)  
(figures)

Item No. 6 - Landscaping allowance - to include all plants, shrubs, trees, topsoil, fertilizer, and mulch materials, for the estimated Lump Sum Price of:

SEVEN THOUSAND  
(Written) DOLLARS and NO CENTS (\$7,000.00)  
(figures)

Item No. 7 - Testing allowance - to include testing and quality control work for Soils, Cast-In-Place Concrete, Insulating Concrete and Structural Steel, for the estimated Total Price of:

TWENTY-FIVE THOUSAND

(Written)

DOLLARS and NO CENTS (\$ 25,000 )  
(Figures)

Item No. 8 - Boiler facility Replacement ~~and Maintenance~~ for the Chester Garage facility, complete, for the Lump Sum Price of:

FIFTEEN THOUSAND

(Written)

DOLLARS and NO CENTS (\$ 15,000.00 )  
(Figures)

Item No. 9 - Furnish and install temporary tie in piping and lift pumps at the Western Regional Wastewater Treatment Plant in Chester.

Item No. 9A - Mobilization and Installation of equipment, complete, for the Lump Sum Price of:

EIGHTY SIX THOUSAND

(Written)

DOLLARS and NO CENTS (\$ 86,000.00 )  
(Figures)

Item No. 9 B - Operation and Maintenance, including Power and/or Fuel, of Pumping Operation  
Cost per Month, Seven (7) months @ \$ 12,500.00

per month = EIGHTY SEVEN THOUSAND FIVE HUNDRED  
(Written)

DOLLARS and NO CENTS (\$ 87,500.00 )  
(Figures)

Item No. 9C - Demolition of pumping equipment including Rehabilitation and removal, complete for the Lump Sum Price of:

THREE THOUSAND

(Written)

DOLLARS and NO CENTS (\$ 3,000.00 )  
(Figures)

Total cost of construction for the Pumping Station (Items 1 through 9) for the Total Price of:

Three Million, Two Hundred Ninety Two Thousand  
(Written)

Four Hundred Fifty DOLLARS and NO CENTS (\$ 3,292,450.00 )  
(Figures)

ADDITIONAL UNIT PRICES

Item No. 10 - Pressure injected crack grouting as described in  
Section 03370, Paragraph 3.3 F. Cost per Lin. Ft.  
of crack:

FIFTEEN

(Written)

DOLLARS and

No

CENTS (\$

15.00)

(Figures)

Item No. 11 - Furnish and place approved type of crushed stone  
bedding for pipe per Sections 02210, 02220 and,  
as directed by the Engineer in the field, the Unit  
Price shall be based per cubic yard of actual  
crushed stone bedding place.

TWENTY FIVE

(written)

DOLLARS and

No

CENTS (\$

25.00)

(Figures)

Item No. 12 - Furnish and place all miscellaneous concrete as  
needed, with the approval of the Engineer in the  
field. Unit Price shall be based per cubic yard  
of actual concrete placed.

TWO HUNDRED

(Written)

DOLLARS and

No.

CENTS (\$

200.00)

(Figures)



2. The bidder agrees to begin work within ten (10) calendar days after the date designated in the Notice to Proceed and to have the new pumping station substantially complete and operational by October 1, 1977 and to complete the entire facility by June 1, 1978.
3. In case of failure on the part of the Contractor to complete the work within the time fixed in the contract or any extensions thereof, the Contractor shall pay the Owner as liquidated damages the sum of THREE HUNDRED  
DOLLARS and NO CENTS (\$ 300.00 ) for each calendar day of delay until the work is completed or accepted for each completion date as noted in Paragraph 2 above.
4. The undersigned agrees upon receipt of written notice of the acceptance of this bid within NINETY (90) days after the date of opening of bids, to execute the Construction Contract, in accordance with the bid as accepted, and to give the bonds required with good and sufficient surety or sureties.
5. Payment for all work called for in the plans and specifications or required for proper completion of the work under this contract and not specifically mentioned in the Plans and Specifications will be considered as covered by the Unit and Lump Sum payments and no extra payments will be allowed therefor.
6. The undersigned hereby designates as his office to which such notice of acceptance may be mailed, telegraphed, or delivered:  
THE CONDUIT AND FOUNDATION CORPORATION  
4026 Chestnut Street, Phila., Penna. 19104
7. Accompanying this proposal is a BID BOND  
in the amount of 5% OF TOTAL AMOUNT OF BID  
DOLLARS and \_\_\_\_\_ CENTS (\$ \_\_\_\_\_ ) as bid security.
8. This bid may be withdrawn at any time prior to the scheduled time for the opening of bids or any authorized postponement thereof.
9. The undersigned acknowledges that he received the following Addenda to the Specifications and that this bid was prepared in accordance with said Addenda:

Addendum No.

Date of Addendum

<u>1</u>	<u>FEB. 20, 1976</u>
<u>2</u>	<u>FEB. 27, 1976</u>
<u>3</u>	<u>MARCH 12, 1976</u>
<u>4</u>	<u>MARCH 17, 1976</u>
<u>5</u>	<u>MARCH 24, 1976</u>
<u>6</u>	<u>MARCH 25, 1976</u>

10.

LIST OF INTENDED SUBCONTRACTORS

Subcontractor (Name and Address)

Work to be Performed

<u>W.M. ANDERSON CO./INC.</u>	<u>600 SCHUYLKILL AVE</u>	<u>MECHANICAL</u>
<u>CARROLL STEEL CO.</u>	<u>PHILA. PA. 19146</u>	
	<u>JEFFERSON AVE &amp; RR.</u>	<u>STR. &amp; MISC. STEEL</u>
	<u>PAULSBORO N.J.</u>	

11.

INFORMATION TO BE FURNISHED BY BIDDER

The undersigned proposed to furnish the following equipment, contingent upon its conformity to the Specifications and its approval by the Engineer. The Manufacturer's name must be stated. Use of the words "as specified" or similar wording will not be acceptable in lieu of the Manufacturer's name.

NOTE: In the event that the Bidder names more than one Manufacturer for any unit, the Owner reserves the right to select and designate which Manufacturer shall furnish said unit. The Owner also reserves the right to reject all Manufacturers name by the Bidder whose products do not meet the requirements of the Specifications.

<u>UNIT</u>	<u>MANUFACTURER</u>
Mechanically Cleaned Bar Screens	<u>ENVIRAX</u>
Grinder Machines	<u>MIL-PAC</u>
Grit Collection System	<u>ENVIRAX</u>

UNIT

MANUFACTURER

Variable Speed System

Slide Gates

~~Boilers~~

~~Hot Water Pumps~~

Truck Crane

Raw Sewage Pumps

Overflow Pumps

Vertical Vortex Pumps

Water Seal Pumps

Witness:

Date: \_\_\_\_\_

Witness:

Date: \_\_\_\_\_

Flometcher

WASHINGTON ALUMINUM

R.O. PRODUCTS INC.

Hilis Chalmers

Hilis Chalmers

AURORA

AURORA

By:

Principal (Individual)

Address

By:

Principal (Partnership)

Address

(CORPORATE SEAL)

Attest:

Harry R. Halloran  
Secretary

Harry R. Halloran\*  
President (Corporation)

Date: March 30, 1976

THE CONDUIT AND FOUNDATION CORPORA-  
TION

4026 Chestnut Street

Phila., Penna. 19104

Corporation Name and Address

\*Insert bidder's name. If a corporation, give the state of incorporation using the phrase, "a corporation organized under the laws of PENNSYLVANIA"

If a partnership, give names of partners, using also the phrase "copartners trading and doing business under the firm name and style of \_\_\_\_\_"

If an individual using a trade name, give individual name, using also the phrase "an individual doing business under the firm name and style of: \_\_\_\_\_"

BFTZ ENVIRONMENTAL ENGINEERS, INC.  
ONE PLYMOUTH MEETING MALL  
PLYMOUTH MEETING, PENNSYLVANIA 19462

BID FORM

Notice: All entries must be executed in ink or typed and Bid Form must not be removed from this document.

CONTRACT NO. 10B FURNISHING AND DELIVERY OF INSTRUMENTATION

For:

Delaware County Regional Water Quality Control Authority  
100 E. Fifth Street  
Chester, PA 19013

herein called the OWNER.

1. Pursuant to and in compliance with your ADVERTISEMENT dated October 8, 1975, inviting proposals to be received until :00 M, Prevailing Time, Tuesday, October 21, 1975 for FURNISHING AND DELIVERY OF INSTRUMENTATION FOR THE SECOND AND DOCK STREETS SEWAGE PUMPING STATION

and having carefully examined the contract documents comprising the specifications and all other documents bound therewith, together with all addenda or bulletins thereto; the undersigned hereby offers to furnish and deliver to the site the following equipment:

Metering and control instrumentation and associated control panels.

for the lump sum price of:

Forty Thousand Three Hundred and Twenty Two DOLLARS  
AND No CENTS (\$ 40,322.00 )

2. The bidder agrees, if awarded an order for the above items, to make delivery on or before the guaranteed delivery date of June 16, 1976.

3. In case of failure on the part of the Supplier to furnish the equipment within the guaranteed delivery date or any extensions thereof, the Supplier shall pay the Owner as liquidated damages the sum of Three Hundred

DOLLARS and No CENTS (\$ 300.00)

for each calendar day of delay until the equipment is delivered.

4. The undersigned agrees upon receipt of written notice of the acceptance of this bid, to execute the Contract, and to give the bond required with good and sufficient surety or sureties.

5. Payment for all work called for in the specifications or required for proper completion of the work under this contract and not specifically mentioned in the specifications will be considered as covered by the payments, as stated in the Agreement, and no extra payments will be allowed therefor.

6. The undersigned hereby designates as his office to which such notice of acceptance may be mailed, telegraphed or delivered:

440 Commerce Drive

Fort Washington, Penna. 19034

7. Accompanying this proposal is a Bid Bond in the amount of 10% of Bid DOLLARS and            CENTS (\$           ) as bid surety.

8. The undersigned acknowledges that he received the following Addenda to the Specifications and that this bid was prepared in accordance with said Addenda:

ADDENDUM NO.

DATE OF ADDENDUM

#1

10-8-75

9. The bidder shall send with his bid the information requested in paragraph 1.17 of Section 11005, EQUIPMENT SPECIFICATION - GENERAL.

10. In submitting this proposal, the undersigned hereby agrees that all the terms and conditions of the Advertisement for Bids, Instructions to Bidders, Bid Form, Agreement, Bonds and Technical Specifications are incorporated herein by reference hereto and that said equipment will be furnished and supplied fully in accordance with the detailed specifications.

The undersigned proposed to furnish the following equipment, contingent upon its conformity to the Specifications and its approval by the Engineer. The Manufacturer's name must be stated. Use of the words "as specified" or similar wording will not be acceptable in lieu of the Manufacturer's name.

<u>UNIT</u>	<u>MANUFACTURER</u>
Complete system	<u>Robertshaw Controls Company</u>
	<u>Industrial Instrumentation Division</u>

Witness:

Date:

By:

(Principal) (Individual) \*

Witness:

Date:

By:

(Principal) (Partnership) \*

(CORPORATE SEAL)

Attest:

Address

~~Secretary~~ *J. R. Fitzpatrick*  
Assistant Secretary  
J. R. Fitzpatrick

*J. P. Carr*  
Vice President (Corporation)  
J. P. Carr \*

Date: October 17, 1975

Robertshaw Controls Company

1701 Byrd Avenue

Richmond, Virginia 23261  
Corporation Name and Address

\*Insert bidder's name. If a corporation, give the state of incorporation, using the phrase, "a corporation organized under the laws of Delaware"

If a partnership, give names of partners, using also the phrase "co-partners trading and doing business under the firm name and style of \_\_\_\_\_"

If an individual using a trade name, give individual name, using also the phrase "an individual doing business under the firm name and style of: \_\_\_\_\_"



BFIZ ENVIRONMENTAL ENGINEERS, INC.  
ONE PLYMOUTH MEETING MALL  
PLYMOUTH MEETING, PENNSYLVANIA 19462

BID FORM

Notice: All entries must be executed in ink or typed and Bid Form must not be removed from this document.

CONTRACT NO. 10C FURNISHING AND DELIVERY OF MOTORIZED KNIFE  
GATE VALVES

FOR:

Delaware County Regional Water Quality Control Authority  
100 E. Fifth Street  
Chester, Pennsylvania 19013

herein called the OWNER.

1. Pursuant to and in compliance with your ADVERTISEMENT  
dated October 8, 1975, inviting proposals to be received until  
2:00 PM, Prevailing Time, Tuesday, October 21, 1975 for  
FURNISHING AND DELIVERY OF MOTORIZED KNIFE GATE VALVES

and having carefully examined the contract documents comprising  
the specifications and all other documents bound therewith,  
together with all addenda or bulletins thereto; the undersigned  
hereby offers to furnish and deliver to the site the following  
equipment:

Twelve (12) knife gate valves complete  
with electric motor operators.

for the lump sum price of:

Fifty eight thousand, six hundred forty nine DOLLARS

AND no - - - - - CENTS (\$ 58,649.00 )

2. The bidder agrees, if awarded an order for the above items, to make delivery on or before the guaranteed delivery date of September 15, 1976.
3. In case of failure on the part of the Supplier to furnish the equipment within the guaranteed delivery date or any extensions thereof, the Supplier shall pay the Owner as liquidated damages the sum of Three Hundred

DOLLARS and No CENTS (\$ 300.00 )

for each calendar day of delay until the equipment is delivered.

4. The undersigned agrees upon receipt of written notice of the acceptance of this bid, to execute the Contract, and to give the bond required with good and sufficient surety or sureties.
5. Payment for all work called for in the specifications or required for proper completion of the work under this contract and not specifically mentioned in the specifications will be considered as covered by the payments, as stated in the Agreement, and no extra payments will be allowed therefor.
6. The undersigned hereby designates as his office to which such notice of acceptance may be mailed, telegraphed or delivered:

Fabri-Valve, A Dillingham Company P. O. Box 4367

Portland, Oregon 97208

7. Accompanying this proposal is a Bid Bond in the amount of 10% of bid price DOLLARS and                      CENTS (\$ - - - ) as bid surety.

8. The undersigned acknowledges that he received the following Addenda to the Specifications and that this bid was prepared in accordance with said Addenda:

ADDENDUM NO.

DATE OF ADDENDUM

1

Received 9-11-75

2

Received 10-14-75

9. The bidder shall send with his bid the information requested in paragraph 1.17 of Section 11005, EQUIPMENT SPECIFICATION - GENERAL.



Witness:

Date:

Witness:

Date:

(CORPORATE SEAL)

Attest:

Secretary E. N. Brawley

Date: October 17, 1975

By:

(Principal) (Individual)

Address

By:

(Principal) (Partnership)

Address

President (Corporation)

C. H. Martin - Vice President, Marketing  
Fabri-Valve, A Dillingham Company  
A Corporation organized under the laws  
of the state of Hawaii

Corporation Name and Address

\*Insert bidder's name. If a corporation, give the state of incorporation, using the phrase, "a corporation organized under the laws of"

If a partnership, give names of partners, using also the phrase "co-partners trading and doing business under the firm name and style of"

If an individual using a trade name, give individual name, using also the phrase "an individual doing business under the firm name and style of:"

BFTZ ENVIRONMENTAL ENGINEERS, INC.  
ONE PLYMOUTH MEETING MALL  
PLYMOUTH MEETING, PENNSYLVANIA 19462

BID FORM

Notice: All entries must be executed in ink or typed and Bid Form must not be removed from this document.

CONTRACT NO. 10E FURNISHING AND DELIVERY OF CRANES

For:

Delaware County Regional Water Quality Control Authority  
100 E. Fifth Street  
Chester, Pennsylvania 19013

herein called the OWNER.

1. Pursuant to and in compliance with your ADVERTISEMENT dated August 15, 1975, inviting proposals to be received until :00 M, Prevailing Time, Tuesday, September 16, 1975 for FURNISHING AND DELIVERY OF CRANES

and having carefully examined the contract documents comprising the specifications and all other documents bound therewith, together with all addenda or bulletins thereto; the undersigned hereby offers to furnish and deliver to the site the following equipment:

Two (2) underslung bridge cranes and one (1) jib crane.

for the lump sum price of:

ONE HUNDRED, TWELVE THOUSAND DOLLARS  
AND NO CENTS (\$ 112,000.00 )

2. The bidder agrees, if awarded an order for the above items, to make delivery on or before the guaranteed delivery date of November 17, 1976.

3. In case of failure on the part of the Supplier to furnish the equipment within the guaranteed delivery date or any extensions thereof, the Supplier shall pay the Owner as liquidated damages the sum of Three Hundred

DOLLARS and No CENTS (\$ 300.00 )

for each calendar day of delay until the equipment is delivered.

4. The undersigned agrees upon receipt of written notice of the acceptance of this bid, to execute the Contract, and to give the bond required with good and sufficient surety or sureties.

5. Payment for all work called for in the specifications or required for proper completion of the work under this contract and not specifically mentioned in the specifications will be considered as covered by the payments, as stated in the Agreement, and no extra payments will be allowed therefor.

6. The undersigned hereby designates as his office to which such notice of acceptance may be mailed, telegraphed or delivered:

540 Colwell Lane, Conshohocken, Penna., 19428

7. Accompanying this proposal is a Bid Bond in the amount of Eleven Thousand, Two Hundred DOLLARS and No CENTS (\$ 11,200.00 ) as bid surety.

8. The undersigned acknowledges that he received the following Addenda to the Specifications and that this bid was prepared in accordance with said Addenda:

ADDENDUM NO.

DATE OF ADDENDUM

No. 1

October 8, 1975

9. The bidder shall send with his bid the information requested in paragraph 1.17 of Section 11005, EQUIPMENT SPECIFICATION - GENERAL.



Witness:

By:

Date:

(Principal) (Individual) \*

Witness:

By:

Date:

(Principal) (Partnership) \*

(CORPORATE SEAL)

Attest:

Secretary

Francis E. Bollinger

Date: October 21, 1975

"A Corporation Organized under  
the Laws of Pennsylvania"

Address

BBG INC.

President (Corporation) \*

Richard B. Gustin

BBG, INC.

540 Colwell Lane

Conshohocken, Penna. 19428

Corporation Name and Address

\*Insert bidder's name. If a corporation, give the state of  
incorporation, using the phrase, "a corporation organized under  
the laws of "

If a partnership, give names of partners, using also the phrase  
"co-partners trading and doing business under the firm name and  
style of "

If an individual using a trade name, give individual name, using  
also the phrase "an individual doing business under the firm name  
and style of: "



BETZ ENVIRONMENTAL ENGINEERS, INC.  
ONE PLYMOUTH MEETING MALL  
PLYMOUTH MEETING, PENNSYLVANIA 19462

BID FORM

Notice: All entries must be executed in ink or typed and Bid Form must not be removed from this document.

CONTRACT NO. 10F FURNISHING AND DELIVERY OF SLUICE GATES

FOR:

Delaware County Regional Water Quality Control Authority  
100 E. Fifth Street  
Chester, Pennsylvania 19013

herein called the OWNER.

1. Pursuant to and in compliance with your ADVERTISEMENT dated October 8, 1975 inviting proposals to be received until :00 M, Prevailing Time, Tuesday, October 21, 1975 for FURNISHING AND DELIVERY OF SLUICE GATES

and having carefully examined the contract documents comprising the specifications and all other documents bound therewith, together with all addenda or bulletins thereto; the undersigned hereby offers to furnish and deliver to the site the following equipment:

Two (2) power operated sluice gates and one (1) manually operated sluice gate.

Rodney Hunt Quotation No. 56039

for the lump sum price of:

Twenty Four Thousand Six Hundred Fourteen DOLLARS  
AND NO CENTS (\$ 24,614.00 )

2. The bidder agrees, if awarded an order for the above items, to make delivery on or before the guaranteed delivery date of June 16, 1976.

3. In case of failure on the part of the Supplier to furnish the equipment within the guaranteed delivery date or any extensions thereof, the Supplier shall pay the Owner as liquidated damages the sum of Three Hundred

DOLLARS and No CENTS (\$ 300.00 )

for each calendar day of delay until the equipment is delivered.

4. The undersigned agrees upon receipt of written notice of the acceptance of this bid, to execute the Contract, and to give the bond required with good and sufficient surety or sureties.

5. Payment for all work called for in the specifications or required for proper completion of the work under this contract and not specifically mentioned in the specifications will be considered as covered by the payments, as stated in the Agreement, and no extra payments will be allowed therefor.

6. The undersigned hereby designates as his office to which such notice of acceptance may be mailed, telegraphed or delivered:

RODNEY HUNT COMPANY, MILL ST., ORANGE, MASS. 01364

Telephone 617-544-2512

7. Accompanying this proposal is a Certified Check in the amount of Two Thousand Four Hundred Sixty Two DOLLARS and NO CENTS (\$2462.00) as bid surety.

8. The undersigned acknowledges that he received the following Addenda to the Specifications and that this bid was prepared in accordance with said Addenda:

ADDENDUM NO.

DATE OF ADDENDUM

No. 1

No Date

No. 2

Oct. 8, 1975

9. The bidder shall send with his bid the information requested in paragraph 1.17 of Section 11005, EQUIPMENT SPECIFICATION - GENERAL.



Witness's:

By:

Date:

(Principal) (Individual) \*

Witness:

Address

By:

Date:

(Principal) (Partnership) \*

(CORPORATE SEAL)

Address

Attest:

Secretary

President (Corporation) \*

Date:

Rodney Hunt Company

Mill Street

Orange, Mass. 01364

Corporation Name and Address

\*Insert bidder's name. If a corporation, give the state of incorporation, using the phrase, "a corporation organized under the laws of "

If a partnership, give names of partners, using also the phrase "co-partners trading and doing business under the firm name and style of "

If an individual using a trade name, give individual name, using also the phrase "an individual doing business under the firm name and style of: "

BETZ ENVIRONMENTAL ENGINEERS, INC.  
ONE PLYMOUTH MEETING MALL  
PLYMOUTH MEETING, PENNSYLVANIA 19462

BID FORM

Notice: All entries must be executed in ink or typed and Bid Form must not be removed from this document.

CONTRACT NO. 101 FURNISHING AND DELIVERY OF TAPPING SLEEVE AND VALVE

For:

Delaware County Regional Water Quality Control Authority  
100 E. Fifth Street  
Chester, Pennsylvania 19013

herein called the OWNER.

1. Pursuant to and in compliance with your ADVERTISEMENT dated August 15, 1975, inviting proposals to be received until :00 M, Prevailing Time, Tuesday, September 16, 1975 for FURNISHING AND DELIVERY OF TAPPING SLEEVE AND VALVE

and having carefully examined the contract documents comprising the specifications and all other documents bound therewith, together with all addenda or bulletins thereto; the undersigned hereby offers to furnish and deliver to the site the following equipment:

One (1) tapping sleeve and valve complete with drilling equipment including services of a field supervisor to rig tapping machine and make tap only. Tapping sleeve must be assembled with joints poured and caulked and a hydrostatic test of the assembly completed by the contractor. Charges included for supervisor cover 3 working days and travel time plus traveling, living and incidental expenses. Does not include transportation charges on machine.  
for the lump sum price of:

Nineteen Thousand Three Hundred Twenty-Four----- DOLLARS

AND Seventy-Five----- CENTS (\$ 19,324.75-----)

Payment terms: Net 30 days - 1-1/2% service charge will be added per month after due date.

2. The bidder agrees, if awarded an order for the above items, to make delivery on or before the guaranteed delivery date of March 31, 1976.

3. In case of failure on the part of the Supplier to furnish the equipment within the guaranteed delivery date or any extensions thereof, the Supplier shall pay the Owner as liquidated damages the sum of Three Hundred

DOLLARS and No CENTS (\$ 300.00)

for each calendar day of delay until the equipment is delivered.

4. The undersigned agrees upon receipt of written notice of the acceptance of this bid, to execute the Contract, and to give the bond required with good and sufficient surety or sureties.

5. Payment for all work called for in the specifications or required for proper completion of the work under this contract and not specifically mentioned in the specifications will be considered as covered by the payments, as stated in the Agreement, and no extra payments will be allowed therefor.

6. The undersigned hereby designates as his office to which such notice of acceptance may be mailed, telegraphed or delivered:

U. S. Pipe and Foundry Company

3300 First Avenue North  
Birmingham, Alabama 35202

7. Accompanying this proposal is a Bid Bond in the amount of 10% of the total bid DOLLARS and ----- CENTS (\$ -----) as bid surety.

8. The undersigned acknowledges that he received the following Addenda to the Specifications and that this bid was prepared in accordance with said Addenda: NONE RECEIVED

ADDENDUM NO.

DATE OF ADDENDUM

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

9. The bidder shall send with his bid the information requested in paragraph 1.17 of Section 11005, EQUIPMENT SPECIFICATION - GENERAL.

10. In submitting this proposal, the undersigned hereby agrees that all the terms and conditions of the Advertisement for Bids, Instructions to Bidders, Bid Form, Agreement, Bonds and Technical Specifications are incorporated herein by reference hereto and that said equipment will be furnished and supplied fully in accordance with the detailed specifications.

11. INFORMATION TO BE FURNISHED BY BIDDER

The undersigned proposed to furnish the following equipment, contingent upon its conformity to the Specifications and its approval by the Engineer. The Manufacturer's name must be stated. Use of the words "as specified" or similar wording will not be acceptable in lieu of the Manufacturer's name.

NOTE: In the event that the Bidder names more than one Manufacturer for any unit, the Owner reserves the right to select and designate which Manufacturer shall furnish said unit. The Owner also reserves the right to reject all Manufacturers named by the Bidder whose products do not meet the requirements of the Specifications.

UNIT

MANUFACTURER

Tapping Sleeve and Valve

Smith Valve & Hydrant Products

U. S. Pipe & Foundry Company

Witness:

By:

Date:

(Principal) (Individual) \*

Witness:

By:

Date:

(Principal) (Partnership) \*

(CORPORATE SEAL)

Address

Attest:

Asst. Secretary G. L. Quinnelly

President (Corporation) B. G. Bretz \*

Date: September 11, 1975

U. S. Pipe and Foundry Company

3300 First Avenue North

Birmingham, Alabama 35202

Corporation Name and Address

\*Insert bidder's name. If a corporation, give the state of incorporation, using the phrase, "a corporation organized under the laws of Delaware"

If a partnership, give names of partners, using also the phrase "co-partners trading and doing business under the firm name and style of \_\_\_\_\_"

If an individual using a trade name, give individual name, using also the phrase "an individual doing business under the firm name and style of: \_\_\_\_\_"



BETZ ENVIRONMENTAL ENGINEERS, INC.  
ONE PLYMOUTH MEETING MALL  
PLYMOUTH MEETING, PENNSYLVANIA 19462

BID FORM

(Notice: This Bid must be executed in ink or by typed entries  
and it must not be removed from this document)

BID

FOR CONSTRUCTION OF

CONTRACT NO. 10J- 2ND AND DOCK ST. PUMPING STATION  
HEATING, VENTILATING AND AIR CONDITIONING  
WORK

TO: DELAWARE COUNTY REGIONAL  
WATER QUALITY CONTROL AUTHORITY  
100 EAST FIFTH STREET  
CHESTER, PENNSYLVANIA 19013

herein called the OWNER.

1. Pursuant to and in compliance with your Advertisement  
dated Friday, Feb. 20, 1976, inviting proposals to be received  
until 2:00 P.M., Tuesday, March 30, 1976

for the construction of:

CONTRACT NO. 10J- 2ND AND DOCK ST. PUMPING STATION  
HEATING, VENTILATING AND AIR CONDITIONING  
WORK

Having carefully examined the contract documents comprising the  
plans, specifications, and all other documents bound therewith,  
together with all addenda or bulletins thereto; and being familiar  
with the site and the various conditions affecting the work, the  
undersigned hereby offers to furnish all plant, labor, materials,  
supplies, equipment, and other facilities and things necessary or  
proper or incidental to the construction as required by and in  
strict accordance with the applicable provisions of the plans and  
specifications and of all Addenda or bulletins issued by the Owner  
and mailed to the undersigned prior to the date for the opening of  
bids, whether received by the undersigned or not, for the following  
Unit and Lump Sum prices:

Item No. 1 - Heating, Ventilating and Air Conditioning Work for the Construction of the Wastewater Pumping Station and associated facilities shown on the Plans and specified herein, complete, except for Item No. 2 for the Lump Sum Price of:

ONE HUNDRED EIGHTEEN THOUSAND FIVE HUNDRED  
(Written) \_\_\_\_\_ DOLLARS and \_\_\_\_\_ CENTS (\$18,500)  
(figures)

Item No. 2 - Boiler facility Replacement and Maintenance for the Chester Garage facility, complete, for the Lump Sum Price of:

EIGHTEEN THOUSAND FIVE HUNDRED  
(Written) \_\_\_\_\_ DOLLARS and \_\_\_\_\_ CENTS (\$18,500)  
(figures)

Total cost of construction for the Pumping Station (Item No. 1 and 2) for the Total Price of:

ONE HUNDRED THIRTY SEVEN THOUSAND  
(Written) \_\_\_\_\_ DOLLARS and \_\_\_\_\_ CENTS (\$137,000)  
(figures)

Addendum No.Date of Addendum

1	2/20/76
2	2/27/76
3	3/12/76
4	3/17/76
5	3/24/76
6	3/25/76

10. LIST OF INTENDED SUBCONTRACTORS

Subcontractor (Name and Address)

Work To Be Performed

DEL FORMICA Co, CORNWALL Hts, Pa.

EXCAVATION

JOHNSON CONTROL Co, PHILA, Pa.

AUTO TEMP CONTROL

O-C FIBERGLASS Co, DEVON, Pa.

INSULATION

11. INFORMATION TO BE FURNISHED BY BIDDER

The undersigned proposed to furnish the following equipment, contingent upon its conformity to the Specifications and its approval by the Engineer. The Manufacturer's name must be stated. Use of the words "as specified" or similar wording will not be acceptable in lieu of the Manufacturer's name.

NOTE: In the event that the Bidder names more than one Manufacturer for any unit, the Owner reserves the right to select and designate which Manufacturer shall furnish said unit. The Owner also reserves the right to reject all Manufacturers named by the Bidder whose products do not meet the requirements of the Specifications.

<u>UNIT</u>	<u>MANUFACTURER</u>
Boilers	<u>H. B. Smith Co.</u>
Hotwater Pumps	<u>AURORA</u>
Condensate Pumps	<u>AURORA</u>
Fans	<u>CARLES Corp</u>
Make Up Air Units	<u>Wine Co.</u>
Unit Heaters (STEAM)	<u>ITT NESBITT Co.</u>
(Hot Water)	<u>RITTLING Co.</u>

Witness: \_\_\_\_\_

By: \_\_\_\_\_

Date: \_\_\_\_\_

Principal (Individual) \_\_\_\_\_

Witness: \_\_\_\_\_

By: \_\_\_\_\_

Date: \_\_\_\_\_

(Principal (Partnership) \_\_\_\_\_

Address \_\_\_\_\_

(CORPORATE SEAL)

Attest: \_\_\_\_\_

Secretary \_\_\_\_\_

Date: MARCH 30, 1976

Vice President (Corporation) \_\_\_\_\_

W. M. ANDERSON Co.

600 SCHUYLKILL AVE

PHILA, PA. 19146

Corporation Name and Address

W. M. ANDERSON IS

\* Insert bidder's name. If a corporation, give the state of incorporation using the phrase, "a corporation organized under the laws of PENNSYLVANIA"

If a partnership, give names of partners, using also the phrase "co-partners trading and doing business under the firm name and style of \_\_\_\_\_"

If an individual using a trade name, give individual name, using also the phrase "an individual doing business under the firm name and style of: \_\_\_\_\_"

BETZ ENVIRONMENTAL ENGINEERS, INC.  
ONE PLYMOUTH MEETING MALL  
PLYMOUTH MEETING, PENNSYLVANIA 19462

BID FORM

(Notice: This Bid must be executed in ink or by typed entries  
and it must not be removed from this document)

BID

FOR CONSTRUCTION OF

CONTRACT NO. 10K - 2ND AND DOCK ST. PUMPING STATION  
PLUMBING WORK

TO: DELAWARE COUNTY REGIONAL  
WATER QUALITY CONTROL AUTHORITY  
100 EAST FIFTH STREET  
CHESTER, PENNSYLVANIA 19013

herein called the OWNER.

1. Pursuant to and in compliance with your Advertisement  
dated Friday, Feb. 20, 1976, inviting proposals to be received  
until 2:00 P.M., Tuesday, March 30, 1976

for the construction of:

CONTRACT NO. 10K - 2ND AND DOCK ST. PUMPING STATION  
PLUMBING WORK

Having carefully examined the contract documents comprising the  
plans, specifications, and all other documents bound therewith,  
together with all addenda or bulletins thereto; and being familiar  
with the site and the various conditions affecting the work, the  
undersigned hereby offers to furnish all plant, labor, materials,  
supplies, equipment, and other facilities and things necessary or  
proper or incidental to the construction as required by and in  
strict accordance with the applicable provisions of the plans and  
specifications and of all Addenda or bulletins issued by the Owner  
and mailed to the undersigned prior to the date for the opening of  
bids, whether received by the undersigned or not, for the following  
Unit and Lump Sum prices:

Item No. 1 - Plumbing Work for the Construction of the Wastewater Pumping Station and associated facilities shown on the Plans and specified herein, complete, except for Item No. 2 for the Lump Sum Price of:

SIXTY THREE THOUSAND EIGHT HUNDRED  
(Written)  
\_\_\_\_\_ DOLLARS and \_\_\_\_\_ CENTS (\$63,800)  
(figures)

Item No. 2 - Boiler facility Replacement for the Chester Garage facility, complete, for the Lump Sum Price of:

TWELVE THOUSAND FOUR HUNDRED  
(Written)  
\_\_\_\_\_ DOLLARS and \_\_\_\_\_ CENTS (\$12,400)  
(figures)

Total cost of construction for the Pumping Station (Item No. 1 and 2) for the Total Price of:

SEVENTY SIX THOUSAND TWO HUNDRED  
(Written)  
\_\_\_\_\_ DOLLARS and \_\_\_\_\_ CENTS (\$76,200)  
(figures)

2. The bidder agrees to begin work within ten (10) calendar days after the date designated in the Notice to Proceed and to have the new pumping station substantially complete and operational by October 1, 1977 and to complete the entire facility by June 1, 1978.

3. In case of failure on the part of the Contractor to complete the work within the time fixed in the contract or any extensions thereof, the Contractor shall pay the Owner as liquidated damages the sum of Three Hundred

DOLLARS and No CENTS (\$300.00) for each

calendar day of delay until the work is completed or accepted for each completion date as noted in Paragraph 2 above.

4. The undersigned agrees upon receipt of written notice of the acceptance of this bid within ninety (90) days after the date of opening of bids, to execute the Construction Contract, in accordance with the bid as accepted, and to give the bonds required with good and sufficient surety or sureties.

5. Payment for all work called for in the plans and specifications or required for proper completion of the work under this contract and not specifically mentioned in the Plans and Specifications will be considered as covered by the Unit and Lump Sum payments and no extra payments will be allowed therefor.

6. The undersigned hereby designates as his office to which such notice of acceptance may be mailed, telegraphed, or delivered:

600 SCHUYLKILL AVE

PHILA. PA. 19146

7. Accompanying this proposal is a Bid Bond  
in the amount of THREE THOUSAND NINE HUNDRED  
DOLLARS and — CENTS (\$ 3,900 ) as bid security.

8. This bid may be withdrawn at any time prior to the scheduled time for the opening of bids or any authorized postponement thereof.

9. The undersigned acknowledges that he received the following Addenda to the Specifications and that this bid was prepared in accordance with said Addenda:



Addendum No.

Date of Addendum

1	2/20/76
2	2/27/76
3	3/12/76
4	3/17/76
5	3/24/76
6	3/25/76

10. LIST OF INTENDED SUBCONTRACTORS

Subcontractor (Name and Address)

Work To Be Performed

DeFormica Co., Cornwall Hts. Pa. Excavation

O-C Fiberglass Co., Devon, Pa. Insulation

11. INFORMATION TO BE FURNISHED BY BIDDER

The undersigned proposed to furnish the following equipment, contingent upon its conformity to the Specifications and its approval by the Engineer. The Manufacturer's name must be stated. Use of the words "as specified" or similar wording will not be acceptable in lieu of the Manufacturer's name.

NOTE: In the event that the Bidder names more than one Manufacturer for any unit, the Owner reserves the right to select and designate which Manufacturer shall furnish said unit. The Owner also reserves the right to reject all Manufacturers named by the Bidder whose products do not meet the requirements of the Specifications.

Witness:

Date:

Witness:

Date:

By:

Principal (Individual)

Address

By:

(Principal (Partnership))

Address

(CORPORATE SEAL)

Attest:

Secretary

Date: MARCH 30, 1976

Vice President (Corporation)

W. M. ANDERSON CO

600 SEAVYKILL AVE

PITTLA, Pa., 19146

Corporation Name and Address

\* ~~Insert bidder's name. If a corporation, give the state of incorporation using the phrase, "a corporation organized under the laws~~

of PENNSYLVANIA

If a partnership, give names of partners, using also the phrase "co-partners trading and doing business under the firm name and style

of

If an individual using a trade name, give individual name, using also the phrase "an individual doing business under the firm name and style of:

DELCORA

SECOND & DOCK STREETS PUMP STATION & FORCE MAIN

Exhibit No. 1

CALCULATION OF APPLICABLE PORTION OF FEDERAL GRANT

I. CONSTRUCTION COSTS

<u>Contract No.</u>	<u>EPA Eligible (as per Part B)</u>	<u>Act 339 Eligible</u>
10	\$2,938,934.39	\$2,166,121.70
10J	118,500.00	128,331.00
10K	63,800.00	72,052.00
11	219,558.00	206,801.84
12	2,115,905.00	2,452,232.08
10B	40,322.00	-0-
10C	58,649.00	52,784.00
10D	70,266.00	63,239.00
10E	112,000.00	100,800.00
10F	24,614.00	24,614.00
10I	19,324.75	19,602.00
12A	648,360.00	645,563.88
12B	8,112.00	7,301.00
	<u>\$6,438,345.14</u>	<u>\$5,939,442.64</u>

II. RATIO OF APPLICABLE PORTION OF FEDERAL GRANT

<u>Eligible Act 339 Construction Costs</u>	=	<u>\$5,939,442.64</u>	=	92.3%
<u>Eligible EPA Construction Costs</u>		<u>\$6,438,345.14</u>		

III. FEDERAL GRANT PAYMENTS RECEIVED = \$4,699,400.00

IV. APPLICABLE PORTION OF GRANT PAYMENTS TO BE DEDUCTED

\$4,699,400 x 92.3% = \$4,337,546.20

ACT 339

Exhibit No. 1

DELCORA

SECOND & DOCK STREETS PUMP STATION & FORCE MAIN

Exhibit No. 1

CALCULATION OF APPLICABLE PORTION OF FEDERAL GRANT

I. CONSTRUCTION COSTS

<u>Contract No.</u>	<u>EPA Eligible (as per Part B)</u>	<u>Act 339 Eligible</u>
10	\$2,938,934.39	\$2,166,121.70
10J	118,500.00	128,331.00
10K	63,800.00	72,052.00
11	219,558.00	206,801.84
12	2,115,905.00	2,452,232.08
10B	40,322.00	-0-
10C	58,649.00	52,784.00
10D	70,266.00	63,239.00
10E	112,000.00	100,800.00
10F	24,614.00	24,614.00
10I	19,324.75	19,602.00
12A	648,360.00	645,563.88
12B	8,112.00	7,301.00
	<u>\$6,438,345.14</u>	<u>\$5,939,442.64</u>

II. RATIO OF APPLICABLE PORTION OF FEDERAL GRANT

$$\frac{\text{Eligible Act 339 Construction Costs}}{\text{Eligible EPA Construction Costs}} = \frac{\$5,939,442.64}{\$6,438,345.14} = 92.3\%$$

III. FEDERAL GRANT PAYMENTS RECEIVED = \$4,699,400.00

IV. APPLICABLE PORTION OF GRANT PAYMENTS TO BE DEDUCTED

$$\$4,699,400 \times 92.3\% = \$4,337,546.20$$

ACT 339

Exhibit No. 1

DELCORA

SECOND AND DOCK STREETS PUMP STATION AND FORCE MAIN

Exhibit No. 2 - Project Eligibility

<u>Contract No.</u>	<u>Amount Paid To Date</u>	<u>Eligible for Act 339</u>
10	\$3,498,228.21	\$2,807,353.21
10J	138,544.00	138,544.00
10K	76,200.00	76,200.00
11	221,161.85	221,161.85
12	4,350,851.18	4,250,518.68

Total Construction  
Contracts

\$8,284,985.24

\$7,493,777.74

10B	\$ 30,522.00	311,731.50 PS.	\$ 30,522.00
10B-2	9,800.00		9,800.00
10C	58,648.90		58,648.90
10D	70,265.60		70,265.60
10E	117,881.00		117,881.00
10F	24,614.00		24,614.00
10I	19,602.14 FM		19,602.14
12A	715,037.83 FM		715,037.83
12B	8,208.00 FM		8,208.00

Total Prepurchase  
Contracts

\$1,054,579.47

\$1,054,579.47

TOTAL CONTRACTS

\$9,339,564.71

\$8,548,357.21

$$\text{Percent Eligible} = \frac{\$8,548,357.21}{\$9,339,564.71} = 91.5\%$$

ACT 339

EXHIBIT NO. 2

BETZ ENVIRONMENTAL ENGINEERS, INC.  
ONE PLYMOUTH MEETING MALL  
PLYMOUTH MEETING, PENNSYLVANIA 19462

BID FORM

(Notice: This Bid must be executed in ink or by typed entries  
and it must not be removed from this document)

BID

FOR CONSTRUCTION OF

CONTRACT NO. 11 - 2ND AND DOCK ST. PUMPING STATION  
ELECTRICAL WORK

TO: DELAWARE COUNTY REGIONAL  
WATER QUALITY CONTROL AUTHORITY  
100 EAST FIFTH STREET  
CHESTER, PENNSYLVANIA 19013

herein called the OWNER.

1. Pursuant to and in compliance with your Advertisement  
dated Friday, Feb. 20, 1976, inviting proposals to be received  
until 2:00 P.M., Tuesday, March 30, 1976

for the construction of:

CONTRACT NO. 11 - 2ND AND DOCK ST. PUMPING STATION  
ELECTRICAL WORK

Having carefully examined the contract documents comprising the  
plans, specifications, and all other documents bound therewith,  
together with all addenda or bulletins thereto; and being familiar  
with the site and the various conditions affecting the work, the  
undersigned hereby offers to furnish all plant, labor, materials,  
supplies, equipment, and other facilities and things necessary or  
proper or incidental to the construction as required by and in  
strict accordance with the applicable provisions of the plans and  
specifications and of all Addenda or bulletins issued by the Owner  
and mailed to the undersigned prior to the date for the opening of  
bids, whether received by the undersigned or not, for the following  
Unit and Lump Sum prices:

Item No. 1 - Electrical Work for the Construction of the Wastewater Pumping Station and associated facilities shown on the Plans and specified herein, complete, except for Item No. 2 for the Lump Sum Price of:

TWO HUNDRED AND NINETEEN THOUSAND, FIVE HUNDRED  
(Written)  
AND FIFTY-EIGHT DOLLARS and 00 CENTS (\$ 219,558<sup>00</sup>  
(figures)

Item No. 2 - Boiler facility Replacement for the Chester Garage facility, complete, for the Lump Sum Price of:

ONE THOUSAND SIX HUNDRED  
(Written)  
DOLLARS and 00 CENTS (\$ 1,600<sup>00</sup>  
(figures)

Total cost of construction for the Pumping Station (Item No. 1 and 2) for the Total Price of:

TWO HUNDRED AND TWENTY ONE THOUSAND, ONE  
(Written)  
HUNDRED DOLLARS and 60 CENTS (\$ 221,158<sup>00</sup>  
AND FIFTY-EIGHT (figures)

2. The bidder agrees to begin work within ten (10) calendar days after the date designated in the Notice to Proceed and to have the new pumping station substantially complete and operational by October 1, 1977 and to complete the entire facility by June 1, 1978.
3. In case of failure on the part of the Contractor to complete the work within the time fixed in the contract or any extensions thereof, the Contractor shall pay the Owner as liquidated damages the sum of Three Hundred  
DOLLARS and No CENTS (\$300.00) for each calendar day of delay until the work is completed or accepted for each completion date as noted in Paragraph 2 above.
4. The undersigned agrees upon receipt of written notice of the acceptance of this bid within ninety (90) days after the date of opening of bids, to execute the Construction Contract, in accordance with the bid as accepted, and to give the bonds required with good and sufficient surety or sureties.
5. Payment for all work called for in the plans and specifications or required for proper completion of the work under this contract and not specifically mentioned in the Plans and Specifications will be considered as covered by the Unit and Lump Sum payments and no extra payments will be allowed therefor.
6. The undersigned hereby designates as his office to which such notice of acceptance may be mailed, telegraphed, or delivered:
7. Accompanying this proposal is a Bid Bond -  
in the amount of \_\_\_\_\_  
DOLLARS and \_\_\_\_\_ CENTS (\$\_\_\_\_\_) as bid security.
8. This bid may be withdrawn at any time prior to the scheduled time for the opening of bids or any authorized postponement thereof.
9. The undersigned acknowledges that he received the following Addenda to the Specifications and that this bid was prepared in accordance with said Addenda;



# JOSEPH COTUMACCIO & SONS, INC.

Job #1679

## *Electrical Contractors*

3001 GRADYVILLE ROAD  
BROOMALL, PA. 19008

May 3, 1976

Betz Environmental Engineers, Inc.  
One Plymouth Meeting Mall  
Plymouth Meeting, Penna. 19462

Subject: *Deleco, 2nd & Dock St. Pump Sta*  
~~Pennridge Wastewater Treatment Plant~~  
B.E.E. No. ~~00-0534-07~~  
*Cont # 11*

Att: Mr. Kensil Coster, Jr. Contract Administrator

Dear Mr. Coster:

This is to confirm our intention to supply the manufacturers as listed. These manufacturers will be supplied at no additional cost.

### TRANSFORMERS

Kuhlman Transformer Company  
General Electric  
Westinghouse  
Hevi-Duty

### SWITCHGEAR

General Electric  
Westinghouse  
I.T.E. Imperial  
Power Con

### SWITCHBOARDS & PANELBOARDS

General Electric  
Westinghouse  
I.T.E. Imperial

Square "D"

### MOTOR CONTROL CENTERS

General Electric  
Westinghouse  
Allen-Bradley  
Square "D"

Very truly yours,

*Joseph R. Cotumaccio Jr.*  
Joseph R. Cotumaccio, Jr.  
President

JRC:dc

Addendum No.Date of Addendum

1	February 20, 1976
2	February 27, 1976
3	March 12, 1976
4	March 17, 1976
5	March 24, 1976
6	March 25, 1976

10. LIST OF INTENDED SUBCONTRACTORS

<u>Subcontractor (Name and Address)</u>	<u>Work To Be Performed</u>
---	-----------------------------

George Young

Rigging

20th & Oregon Avenue  
Phila., Pa.11. INFORMATION TO BE FURNISHED BY BIDDER

The undersigned proposed to furnish the following equipment, contingent upon its conformity to the Specifications and its approval by the Engineer. The Manufacturer's name must be stated. Use of the words "as specified" or similar wording will not be acceptable in lieu of the Manufacturer's name.

NOTE: In the event that the Bidder names more than one Manufacturer for any unit, the Owner reserves the right to select and designate which Manufacturer shall furnish said unit. The Owner also reserves the right to reject all Manufacturers named by the Bidder whose products do not meet the requirements of the Specifications.

<u>UNIT</u>	<u>MANUFACTURER</u>
Transformers	KULHMAN (LARGE) - F.P.C. (SMALL)
Switchgear	Power Con. or Equal
Switchboards & Panelboards	F.P.E. or Equal
Motor Control Centers	Allis Chalmers or Equal

Witness:

By:

Date:

Principal (Individual)

Witness:

By:

Date:

(Principal (Partnership)

(CORPORATE SEAL)

Attest:

Secretary

Date:

MAR 30 1975

President (Corporation) corporation  
organized under the laws of Pennsylvania

JOSEPH COTUMACCIO & SONS, INC.

3001 GRADYVILLE ROAD

BROOMALL, PA. 19008

Corporation Name and Address

\* Insert bidder's name. If a corporation, give the state of incorporation using the phrase, "a corporation organized under the laws

of

Penna

If a partnership, give names of partners, using also the phrase "co-partners trading and doing business under the firm name and style

of

If an individual using a trade name, give individual name, using also the phrase "an individual doing business under the firm name and style of:

BETZ ENVIRONMENTAL ENGINEERS, INC.  
ONE PLYMOUTH MEETING MALL  
PLYMOUTH MEETING, PENNSYLVANIA 19462

BID FORM "A"

(Notice: This Bid must be executed in ink or by typed entries  
and it must not be removed from this document)

BID

FOR CONSTRUCTION OF

CONTRACT NO. 12 - CHESTER FORCE MAIN

TO: DELAWARE COUNTY REGIONAL  
WATER QUALITY CONTROL AUTHORITY  
100 EAST FIFTH STREET  
CHESTER, PENNSYLVANIA 19013

herein called the OWNER.

1. Pursuant to and in compliance with your Advertisement  
dated Friday, Feb. 20, 1976, inviting proposals to be received  
until 2:00 P.M., Tuesday, March 30, 1976

for the construction of:

CONTRACT NO. 12 - CHESTER FORCE MAIN

Having carefully examined the Contract Documents comprising the  
Plans, Specifications and all other documents bound therewith  
together with all addenda or bulletins thereto, and being familiar  
with the site and the various conditions affecting the work, the  
undersigned hereby offers to furnish all material, except the  
Owner furnished material and equipment, and for furnishing all  
labor for the installation of the new 48 in. Sewage Force Main  
including Owner furnished material and equipment and other  
facilities and things necessary or proper or incidental to the  
construction as required by and in strict accordance with the  
applicable provisions of the plans and specifications and all  
Addenda or bulletins issued by the Owner and mailed to the under-  
signed prior to the date for the opening of bids, whether received  
by the undersigned or not for the following Unit and Lump Sum  
Prices:

Item No.	Description	Est. Qty.	Unit	Unit Price		Total Price in figures
				Top Line - figures	Bottom Line - in words	

PART "I" (INSTALLATION OF 48" FORCE MAIN AND ALL RELATED WORK)

ITEM NO. 1 - INSTALLATION OF OWNER FURNISHED PRESTRESSED CONCRETE CYLINDER PIPE (P.C.C.P.)  
(INCLUDING SHORTS, BEVEL ENDS, AND BEVEL ADAPTERS)

1-A-1	8'-10' Deep	1000	L.F.	(\$ 90 <sup>00</sup> )		
				<u>Ninety Dollars &amp; No Cents</u>		(\$ 90,000. <sup>00</sup> ) ✓
1-A-2	10'-12' Deep	3030 <del>2300</del>	L.F.	(\$ 90 <sup>00</sup> )		
				<u>Ninety Dollars &amp; No Cents</u>		(\$ 272,700. <sup>00</sup> ) ✓
1-A-3	12'-14' Deep	2200	L.F.	(\$ 90 <sup>00</sup> )		
				<u>Ninety Dollars &amp; No Cents</u>		(\$ 198,000. <sup>00</sup> ) ✓
1-A-4	14'-16' Deep	4600	L.F.	(\$ 90 <sup>00</sup> )		
				<u>Ninety Dollars &amp; No Cents</u>		(\$ 414,000. <sup>00</sup> ) ✓

BFI2-2

B

Item No.	Description	Est. Qty.	Unit	Unit Price		Total Price in figures
				Top Line - figures	Bottom Line - in words	
1-A-5	16'-18' Deep	1500	L.F.	(\$ 90. <sup>00</sup> )		
					<u>Ninety Dollars &amp; No Cents</u>	(\$ 135000. <sup>00</sup> )
1-A-6	18'-20' Deep	300	L.F.	(\$ 90. <sup>00</sup> )		
					<u>Ninety Dollars &amp; No Cents</u>	(\$ 27000. <sup>00</sup> )
1-A-7	20'-22' Deep	150	L.F.	(\$ 90. <sup>00</sup> )		
					<u>Ninety Dollars &amp; No Cents</u>	(\$ 13500. <sup>00</sup> )
1-A-8	22'-24' deep	50	L.F.	(\$ 90. <sup>00</sup> )		
					<u>Ninety Dollars &amp; No Cents</u>	(\$ 4500. <sup>00</sup> )

PERIOD

Item No.	Description	Est. Qty.	Unit	Unit Price		Total Price in figures
				Top Line - figures	Bottom Line - in words	

ITEM NO. 2 - INSTALLATION OF OWNER FURNISHED FITTINGS

2-A-1	Bends 0°-15°	2	Each	(\$ 500 <sup>00</sup> )		
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Five Hundred Dollars & No Cents (\$ 1000.<sup>00</sup>)

2-A-2	Bends 15.1°-30°	1	Each	(\$ 500 <sup>00</sup> )		
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Five Hundred Dollars & No Cents (\$ 500.<sup>00</sup>)

2-A-3	Bends 30.1°-45°	11	Each	(\$ 500 <sup>00</sup> )		
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Five Hundred Dollars & No Cents (\$ 5500.<sup>00</sup>)

2-A-4	Bends 45.1°-60°	1	Each	(\$ 500 <sup>00</sup> )		
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Five Hundred Dollars & No Cents (\$ 500.<sup>00</sup>)

2-A-5	Bends 60.1°-75°	1	Each	(\$ 500 <sup>00</sup> )		
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Five Hundred Dollars & No Cents (\$ 500.<sup>00</sup>)

BF12-4

RF12-5

Item No.	Description	Est. Qty.	Unit	Unit Price		Total Price in figures
				Top Line - figures	Bottom Line - in words	
2-A-6	Bends 75.1°-90°	3	Each	(\$ 500. <sup>00</sup> )	Five Hundred Dollars & No Cents	(\$ 1500. <sup>00</sup> ) ✓
2-A-7	48" Concrete x 36" Steel Reducer	1	Each	(\$ 500. <sup>00</sup> )	Five Hundred Dollars & No Cents	(\$ 500. <sup>00</sup> ) ✓
2-A-8	48" x 48" x 30" wye	1	Each	(\$ 1000. <sup>00</sup> )	One Thousand Dollars & No Cents	(\$ 1000. <sup>00</sup> ) ✓
2-A-9	<del>4" 125# drilled flange outlets</del> DELETED Add # 2	<del>8</del>	<del>Each</del>	(\$ )		(\$ - )
2-A-10	48" Concrete x 48" Flange Adapter	3	Each	(\$ 250. <sup>00</sup> )	Two Hundred Fifty Dollars & No Cents	(\$ 750. <sup>00</sup> ) ✓
2-A-11	Harnessed Joints	100	Each	(\$ 50. <sup>00</sup> )	Fifty Dollars & No Cents	(\$ 5000. <sup>00</sup> ) ✓



PERIOD

Item No.	Description	Est. Qty.	Unit	Unit Price		Total Price in figures
				Top Line - figures	Bottom Line - in words	
2-A-12	48" Plug	2	Each	(\$ 50. <sup>00</sup> )	Fifty Dollars & No Cents	(\$ 100. <sup>00</sup> ) ✓
2-A-13	48" Cap	1	Each	(\$ 50. <sup>00</sup> )	Fifty Dollars & No Cents	(\$ 50. <sup>00</sup> ) ✓
2-A-14	Follower Ring Closure	1	Each	(\$ 2500. <sup>00</sup> )	Two Thousand Five Hundred Dollars & No Cents	(\$ 2500. <sup>00</sup> ) ✓

ITEM NO. 3 - CONCRETE

3-A-1	Class "B" (Type I or Type III Cement)	100	C.Y.	(\$ 50. <sup>00</sup> )	Fifty Dollars & No Cents	(\$ 5000. <sup>00</sup> ) ✓
3-A-2	Class "B" (Type V Cement)	500	C.Y.	(\$ 60. <sup>00</sup> )	Sixty Dollars & No Cents	(\$ 30000. <sup>00</sup> ) ✓

B

Item No.	Description	Est. Qty.	Unit	Unit Price		Total Price in figures
				Top Line - figures	Bottom Line - in words	
3-A-3	Reinforcing Steel for Items 3-A-1 and 3-A-2	1000	Lbs.	(\$ <u>1<sup>00</sup></u> )	<u>One Dollar &amp; No Cents</u>	(\$ <u>1000.<sup>00</sup></u> )
ITEM NO. 4 - BEDDING						
4-A-1	Bedding Type "A-1"	100	L.F.	(\$ <u>4<sup>00</sup></u> )	<u>Four Dollars &amp; No Cents</u>	(\$ <u>400.<sup>00</sup></u> )
4-A-2	Bedding Type "B"	1500	L.F.	(\$ <u>5<sup>60</sup></u> )	<u>Five Dollars &amp; Sixty Cents</u>	(\$ <u>8400.<sup>00</sup></u> )
4-A-3	Bedding Type "C"	100	L.F.	(\$ <u>8<sup>60</sup></u> )	<u>Eight Dollars &amp; Sixty Cents</u>	(\$ <u>860.<sup>00</sup></u> )
4-A-4	Bedding Type "C-1"	500	L.F.	(\$ <u>7.<sup>10</sup></u> )	<u>Seven Dollars &amp; Ten Cents</u>	(\$ <u>3550.<sup>00</sup></u> )
4-A-5	Additional Penn Dot Coarse Aggregate 3A	100	C.Y.	(\$ <u>.<sup>01</sup></u> )	<u>No Dollars &amp; One Cent</u>	(\$ <u>1.<sup>00</sup></u> )

Item No.	Description	Est. Qty.	Unit	Unit Price		Total Price in figures
				Top Line - figures	Bottom Line - in words	
4-A	Additional Penn Dot Coarse Aggregate 1B	100	C.Y.	(\$ <u>01</u> )		
					<u>No Dollars &amp; One Cent</u>	(\$ <u>1<sup>00</sup></u> ) ✓
ITEM NO. 5 - SELECTED BACKFILL						
5-A-1	Penn Dot Coarse Aggregate 1B	5000	C.Y.	(\$ <u>9<sup>00</sup></u> )		
					<u>Nine Dollars &amp; No Cents</u>	(\$ <u>45000.<sup>00</sup></u> ) ✓
5-A-2	Penn Dot Coarse Aggregate 2RC	500	C.Y.	(\$ <u>9<sup>00</sup></u> )		
					<u>Nine Dollars &amp; No Cents</u>	(\$ <u>4500.<sup>00</sup></u> ) ✓
5-A-3	Additional Penn Dot Coarse Aggregate 2A for Subbase	100	C.Y.	(\$ <u>12<sup>00</sup></u> )		
					<u>Twelve Dollars &amp; No Cents</u>	(\$ <u>1200.<sup>00</sup></u> ) ✓
ITEM NO. 6 - SHORING LEFT-IN-PLACE AS DIRECTED BY THE ENGINEER						
		250	M.B.F.	(\$ <u>300.<sup>00</sup></u> )		
					<u>Three Hundred Dollars &amp; No Cents</u>	(\$ <u>75000.<sup>00</sup></u> ) ✓

BF12-8

BF12-9

Item No.	Description	Est. Qty.	Unit	Unit Price		Total Price in figures
				Top Line - figures	Bottom Line - in words	
ITEM NO. 7 - RAILROAD CROSSINGS (FURNISH AND INSTALL 72" LINER PLATE TUNNEL AND INSTALLATION OF 48" PCCP)						
7-A-1	Third and Booth (Penn Central and Reading)	120	L.F.	(\$ 600 <sup>00</sup> )	<u>Six Hundred Dollars &amp; No Cents</u>	(\$ 72000. <sup>00</sup> ) ✓
7-A-2	Third and Harvick (Reading Company)	50	L.F.	(\$ 600. <sup>00</sup> )	<u>Six Hundred Dollars &amp; No Cents</u>	(\$ 30,000. <sup>00</sup> ) ✓
7-A-3	Third and Central (Penn Central)	50	L.F.	(\$ 600 <sup>00</sup> )	<u>Six Hundred Dollars &amp; No Cents</u>	(\$ 30,000. <sup>00</sup> ) ✓
7-A-4	Third and Ulrich (Penn Central)	50	L.F.	(\$ 600 <sup>00</sup> )	<u>Six Hundred Dollars &amp; No Cents</u>	(\$ 30,000. <sup>00</sup> ) ✓
ITEM NO. 8A - AIR RELEASE VALVE CHAMBER AND APPURTENANCES		8	Each	(\$ 3000. <sup>00</sup> )	<u>Three Thousand Dollars &amp; No Cents</u>	(\$ 24000. <sup>00</sup> ) ✓
ITEM NO. 8B - VALVE CHAMBER		1	L.S.	(\$ 12000. <sup>00</sup> )	<u>Twelve Thousand Dollars &amp; No Cents</u>	(\$ 12000. <sup>00</sup> ) ✓

Item No.	Description	Est. Qty.	Unit	Unit Price	Total Price in figures
				Top Line - Figures Bottom Line - in words	
ITEM NO. 9	48" KNIFE GATE VALVE (FURNISH AND INSTALL)	1	Each	(\$ <u>22000.<sup>00</sup></u> ) <u>Twenty Two Thousand Dollars &amp; No Cents</u>	(\$ <u>22000.<sup>00</sup></u> ) ✓
ITEM NO. 10	CONNECTIONS				
10-A-1	Alternate No. 1 connection to 36" Steel Force Main	1	L.S.	(\$ <u>2000.<sup>00</sup></u> ) <u>Two Thousand Dollars &amp; No Cents</u>	(\$ <u>2000.<sup>00</sup></u> ) ✓
	Alternate No. 2 Furnish and install 36" PCCP Cap	1	L.S.	(\$ <u>100.<sup>00</sup></u> ) <del>One</del> <u>One Hundred Dollars &amp; No Cents</u>	(\$ <u>100.<sup>00</sup></u> ) ✓
10-A-2	Connection to 48" steel Force Main	1	L.S.	(\$ <u>2000.<sup>00</sup></u> ) <u>Two Thousand Dollars &amp; No Cents</u>	(\$ <u>2000.<sup>00</sup></u> ) ✓
ITEM NO. 11	ROCK EXCAVATION	1500	C.Y.	(\$ <u>.<sup>01</sup></u> ) <u>No Dollars &amp; One Cent.</u>	(\$ <u>15.<sup>00</sup></u> ) ✓
ITEM NO. 12	TEMPORARY REPAVING CITY OF CHESTER STREETS	11,500	L.F.	(\$ <u>5.<sup>00</sup></u> ) <u>Five Dollars &amp; No Cents</u>	(\$ <u>57500.<sup>00</sup></u> ) ✓

Item No.	Description	Est. Qty.	Unit	Unit Price		Total Price in figures
				Top Line - figures	Bottom Line - in words	
ITEM NO. 13 -	TEMPORARY REPAVING STATE HIGHWAYS	1000	L.F.	(\$ <u>4<sup>50</sup></u> )		
					<u>Four Dollars &amp; Fifty Cents</u>	(\$ <u>4500.<sup>00</sup></u> )
ITEM NO. 14 -	PERMANENT REPAVING CITY OF CHESTER STREETS	11,500	L.F.	(\$ <u>15<sup>00</sup></u> )		
					<u>Fifteen Dollars &amp; No Cents</u>	(\$ <u>172500.<sup>00</sup></u> )
ITEM NO. 15 -	PERMANENT REPAVING (STATE HIGHWAY - EXISTING PAVEMENT WITH FLEXIBLE OR STONEBASE)	100	L.F.	(\$ <u>7<sup>00</sup></u> )		
					<u>Seven Dollars &amp; No Cents</u>	(\$ <u>700.<sup>00</sup></u> )
ITEM NO. 16 -	PERMANENT REPAVING (STATE HIGHWAY - EXISTING PAVEMENT WITH RIGID OR CONCRETE BASE)	1000	L.F.	(\$ <u>15<sup>00</sup></u> )		
					<u>Fifteen Dollars &amp; No Cents</u>	(\$ <u>15000.<sup>00</sup></u> )
ITEM NO. 17 -	SURFACE COARSE (ID-2A) FOR EACH ADDITIONAL 1" TO MATCH EXISTING SURFACE IN TRENCH AREA.	1	Ton	(\$ <u>25.<sup>00</sup></u> )		
			<del>L.F.</del>		<u>Per Adden #2</u>	
					<u>Twenty Five Dollars &amp; No Cents</u>	(\$ <u>25.<sup>00</sup></u> )
ITEM NO. 18 -	1" WEARING COARSE (ID-2A) IN AREAS OTHER THAN TRENCH	10,000	S.Y.	(\$ <u>1<sup>00</sup></u> )		
					<u>One Dollar &amp; No Cents.</u>	(\$ <u>10000.<sup>00</sup></u> )

Item No.	Description	Est. Qty.	Unit	Unit Price Top Line - figures Bottom Line - in words	Total Price in figures
ITEM NO. 19	SIDEWALK REPLACEMENT	500	<del>S.F.</del> SY	(\$ 10 <sup>00</sup> ) <u>Ten Dollars &amp; No Cents</u>	(\$ 5000. <sup>00</sup> ) ✓
ITEM NO. 20	CURB REPLACEMENT	500	L.F.	(\$ 5 <sup>00</sup> ) <u>Five Dollars &amp; No Cents</u>	(\$ 2500. <sup>00</sup> ) ✓
ITEM NO. 21	INLET REPLACEMENT	5	Each	(\$ <del>2</del> <sup>01</sup> ) <u>No Dollars &amp; One Cent</u>	(\$ . <sup>05</sup> ) ✓
ITEM NO. 22	LAWN RESTORATION	600	L.F.	(\$ . <sup>01</sup> ) <u>No Dollars &amp; One Cent</u>	(\$ 6. <sup>00</sup> ) ✓
ITEM NO. 23	SOILS TESTING		L.S.	(\$ 7500 . ) <u>Seven Thousand Five Hundred Dollars &amp; No Cents</u>	(\$ 7500. <sup>00</sup> ) ✓
ITEM NO. 24	EXTRA EXCAVATION AND BACKFILL	100	C.Y.	(\$ 20 <sup>00</sup> ) <u>Twenty Dollars &amp; No Cents</u>	(\$ 2000. <sup>00</sup> ) ✓

BF12-12

Item No.	Description	Est. Qty.	Unit	Unit Price Top Line - figures Bottom Line - in words	Total Price in figures
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24-A	24" R.C.P. Sewer and Drop Connection	1	L.S.	(\$ <u>15000<sup>00</sup></u> )	
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Fifteen Thousand Dollars & No Cents (\$ 15000.<sup>00</sup>) ✓

24-B	Additional Concrete Patch	100	S.Y.	(\$ <u>20<sup>00</sup></u> )	
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Twenty Dollars & No Cents (\$ 2000.<sup>00</sup>) ✓

24-C	Additional Bituminous Surface	100	S.Y.	(\$ <u>140</u> )	
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One Dollar & Forty Cents (\$ 140.<sup>00</sup>) ✓

SUBTOTAL (ITEM NO. 1 THROUGH 24-C) FOR CONTRACT 12 (PART "I")

INCLUDING ALTERNATE NO. 1 FOR ITEM NO. 10-A-1

(\$ 1,867,398<sup>05</sup>) ✓

INCLUDING ALTERNATE NO. 2 FOR ITEM NO. 10-A-1

(\$ 1,865,498) ✓

BP13-13

B



Item No.	Description	Est. Qty.	Unit	Unit Price		Total Price in figures
				Top Line - figures	Bottom Line - in words	

PART "II" (REPLACEMENT AND/OR RELOCATION OF EXISTING WATER MAINS IN COMPLIANCE WITH CHESTER WATER AUTHORITY'S SPECIFICATIONS)

ITEM NO. 25-A - FURNISH AND INSTALL WATER MAINS

REF-1A

25-A-1	12" D.I. Cement Lined Water Main	200	L.F.	(\$ <u>23<sup>00</sup></u> )	<u>Twenty Three Dollars &amp; No Cents</u>	(\$ <u>4600.<sup>00</sup></u> ) ✓
25-A-2	10" D.I. Cement Lined Water Main	100	L.F.	(\$ <u>20<sup>00</sup></u> )	<u>Twenty Dollars &amp; No Cents</u>	(\$ <u>2000.<sup>00</sup></u> ) ✓
25-A-3	8" D.I. Cement Lined Water Main	4000	L.F.	(\$ <u>18<sup>00</sup></u> )	<u>Eighteen Dollars &amp; No Cents</u>	(\$ <u>72000.<sup>00</sup></u> ) ✓
25-A-4	6" D.I. Cement Lined Water Main	900	L.F.	(\$ <u>17<sup>00</sup></u> )	<u>Seventeen Dollars &amp; No Cents</u>	(\$ <u>15300.<sup>00</sup></u> ) ✓

Item No.	Description	Est. Qty.	Unit	Unit Price		Total Price in figures
				Top Line - figures	Bottom Line - in words	

ITEM NO. 25B - FURNISH AND INSTALL MJ VALVES WITH VALVE BOX

25-B-1	12" MJ Gate Valves w/valve box	5	Each	(\$ 600. <sup>00</sup> )		
				Six Hundred Dollars & No Cents	(\$ 3000. <sup>00</sup> )	✓
25-B-2	10" MJ Gate Valves w/valve box	5	Each	(\$ 500. <sup>00</sup> )		
				Five Hundred Dollars & No Cents	(\$ 2500. <sup>00</sup> )	✓
25-B-3	8" MJ Gate Valves w/valve box	15	Each	(\$ 300. <sup>00</sup> )		
				Three Hundred Dollars & No Cents	(\$ 4500. <sup>00</sup> )	✓
25-B-4	6" MJ Gate Valves w/valve box	5	Each	(\$ 250. <sup>00</sup> )		
				Two Hundred Fifty Dollars & No Cents	(\$ 1250. <sup>00</sup> )	✓

BF12-15

Item No.	Description	Est. Qty.	Unit	Unit Price		Total Price in figures
				Top Line - figures	Bottom Line - in words	
ITEM NO. 25C FURNISH AND INSTALL MJ FITTINGS						
25-C-1	M.J. Fittings	15,000	lbs.	(\$ <u>65</u> )		
				<u>No Dollars &amp; Sixty Five Cents</u>		(\$ <u>9,750.<sup>00</sup></u> )
ITEM NO. 25D - TAPPING SLEEVES AND TAPPING VALVES WITH VALVE BOX (FOR WET CONNECTIONS)						
25-D-1	12" Tapping Sleeve and valve w/ valve box	2	Each	(\$ <u>2000<sup>00</sup></u> )		
				<u>Two Thousand Dollars &amp; No Cents</u>		(\$ <u>4000.<sup>00</sup></u> )
25-D-2	10" Tapping Sleeve and valve w/ valve box	2	Each	(\$ <u>1600.<sup>00</sup></u> )		
				<u>One Thousand Six Hundred Dollars &amp; No Cents</u>		(\$ <u>3200.<sup>00</sup></u> )
25-D-3	8" Tapping Sleeve and valve w/ valve box	10	Each	(\$ <u>1200<sup>00</sup></u> )		
				<u>One Thousand Two Hundred Dollars &amp; No Cents</u>		(\$ <u>12000.<sup>00</sup></u> )
25-D-4	6" Tapping Sleeve and valve w/ valve box	10	Each	(\$ <u>1000<sup>00</sup></u> )		
				<u>One Thousand Dollars &amp; No Cents</u>		(\$ <u>10000.<sup>00</sup></u> )

Item No.	Description	Est. Qty.	Unit	Unit Price		Total Price in figures
				Top Line - figures	Bottom Line - in words	
25-E-1	Fire Hydrants	5	Each	(\$ <u>900.<sup>00</sup></u> )	<u>Nine Hundred Dollars &amp; No Cents</u>	(\$ <u>4500.<sup>00</sup></u> ) ✓
25-F-1	Air Release Assembly	5	Each	(\$ <u>750<sup>00</sup></u> )	<u>Seven Hundred Fifty Dollars &amp; No Cents</u>	(\$ <u>3750<sup>00</sup></u> ) ✓
25-G-1	Service Connections	250	Each	(\$ <u>100<sup>00</sup></u> )	<u>One Hundred Dollars &amp; No Cents</u>	(\$ <u>25000.<sup>00</sup></u> ) ✓
25-H-1	Rock Excavation	10	C.Y.	(\$ <u>.<sup>01</sup></u> )	<u>No Dollars &amp; One Cent.</u>	(\$ <u>.<sup>10</sup></u> ) ✓
25-J-1	Temporary Repaving, City of Chester Streets	100	S.Y.	(\$ <u>2.<sup>50</sup></u> )	<u>Two Dollars &amp; Fifty Cents</u>	(\$ <u>250.<sup>00</sup></u> ) ✓
25-K-1	Temporary Repaving - State Highways	100	S.Y.	(\$ <u>2<sup>25</sup></u> )	<u>Two Dollars &amp; Twenty Five Cents</u>	(\$ <u>225<sup>00</sup></u> ) ✓

Item No.	Description	Est. Qty.	Unit	Unit Price		Total Price in figures
				Top Line - Figures	Bottom Line - in words	
25-L-1	Permanent Repaving, City of Chester Streets	100	S.Y.	(\$ <u>7<sup>50</sup></u> )	<u>Seven Dollars &amp; Fifty Cents</u>	(\$ <u>750.<sup>00</sup></u> ) ✓
25-M-1	Permanent Repaving (State Highway - Existing pavement with flexible or Stonebase	100	S.Y.	(\$ <u>3<sup>50</sup></u> )	<u>Three Dollars &amp; Fifty Cents</u>	(\$ <u>350.<sup>00</sup></u> ) ✓
25-N-1	Permanent Repaving (State Highway - Existing Pavement with rigid or concrete base)	100	S.Y.	(\$ <u>7<sup>50</sup></u> )	<u>Seven Dollars &amp; Fifty Cents</u>	(\$ <u>750.<sup>00</sup></u> ) ✓
25-O-1	Surface Course (ID-2A) for each additional 1" to match existing surface over trench area.	<del>100</del> <sup>1</sup>	<del>S.Y.</del> <sup>Per</sup>	(\$ <u>25<sup>00</sup></u> )	<u>Twenty Five Dollars &amp; No Cents</u>	(\$ <u>25<sup>00</sup></u> ) ✓
25-P-1	1" Wearing Course (ID-2A) in areas other than trench opening as required by City of Chester	100	S.Y.	(\$ <u>1<sup>00</sup></u> )	<u>One Dollar &amp; No Cents</u>	(\$ <u>100.<sup>00</sup></u> ) ✓
25-Q-1	Sidewalk Replacement	1800	S.Y.	(\$ <u>10<sup>00</sup></u> )	<u>Ten Dollars &amp; No Cents</u>	(\$ <u>18000.<sup>00</sup></u> ) ✓

Item No.	Description	Est. Qty.	Unit	Unit Price		Total Price in figures
				Top Line - Figures	Bottom Line - in words	
25-R-1	Curb Replacement	500	L.F.	(\$ <u>5.00</u> )		
				<u>Five Dollars &amp; No Cents</u>		(\$ <u>2500.00</u> ) ✓
25-S-1	Concrete Class "B"	50	C.Y.	(\$ <u>.01</u> )		
				<u>No Dollars &amp; One Cent</u>		(\$ <u>.50</u> ) ✓
25-T-1	Crushed Stone Bedding	500	C.Y.	(\$ <u>.01</u> )		
				<u>No Dollars &amp; One Cent</u>		(\$ <u>5.00</u> ) ✓
25-U-1	Extra Excavation and Backfill	100	C.Y.	(\$ <u>.01</u> )		
				<u>No Dollars &amp; one Cent</u>		(\$ <u>1.00</u> ) ✓
25-V-1	Selected Backfill (Penn Dot 2RC, 1B or 2A)	100	C.Y.	(\$ <u>9.00</u> )		
				<u>Nine Dollars &amp; No Cents</u>		(\$ <u>900.00</u> ) ✓
25-W-1	Shoring Left in Place	1	MBF	(\$ <u>.01</u> )		
				<u>No Dollars &amp; One Cent</u>		(\$ <u>.01</u> ) ✓

BF12-19

Item No.	Description	Est. Qty.	Unit	Unit Price		Total Price in figures
				Top Line - Figures	Bottom Line - in words	

ITEM NO. 25-X - MECHANICAL JOINT CUTTING-IN SLEEVES

25-X-1	12" Cutting-in sleeve	5	Each	(\$ . <u>01</u> )		
				<u>No Dollars &amp; One Cent</u>		(\$ . <u>05</u> ) ✓

25-X-2	10" Cutting-in sleeve	5	Each	(\$ . <u>01</u> )		
				<u>No Dollars &amp; One Cent</u>		(\$ . <u>05</u> ) ✓

25-X-3	8" Cutting-in sleeve	5	Each	(\$ . <u>01</u> )		
				<u>No Dollars &amp; One Cent</u>		(\$ . <u>05</u> ) ✓

25-X-4	6" Cutting-in sleeve	5	Each	(\$ . <u>01</u> )		
				<u>No Dollars &amp; One Cent</u>		(\$ . <u>05</u> ) ✓

25-Y-1	Railroad Crossing	100	L.F.	(\$ <u>25</u> <sup>00</sup> )		
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Two Hundred Fifty Dollars & No Cents (\$ 2500 <sup>00</sup> ) ✓

Item No.	Description	Est. Qty.	Unit	Unit Price		Total Price in figures
				Top Line - figures	Bottom Line - in words	

ITEM 25-Z TEMPORARY SERVICE

25-Z-1	Furnish, install and remove 2" Temporary galvanized steel pipe	1000	L.F.	(\$ 10 <sup>00</sup> )	Ten Dollars & No Cents	(\$ 10000. <sup>00</sup> )
25-Z-2	Connections from temporary piping to water mains	5	each	(\$ . 01)	No Dollars & One Cent	(\$ . 05)
25-Z-3	Connections from temporary piping to Chester Water Authority customers	250	each	(\$ 50 <sup>00</sup> )	Fifty Dollars & No Cents	(\$ 12500. <sup>00</sup> )

SUBTOTAL (ITEM NOS. 25-A-1 THROUGH 25-Z-3) CONTRACT NO. 12 (PART "II") (\$ 248706.<sup>86</sup>)

TOTAL BID AMOUNT FOR CONTRACT NO. 12 (PART "I" AND PART "II")

INCLUDING ALTERNATE NO. 1 FOR ITEM NO. 10-A-1

INCLUDING ALTERNATE NO. 2 FOR ITEM NO. 10-A-1

91  
(\$ 2,116,104)  
91  
(\$ 2,114,224)



2. The bidder agrees to begin work within ten (10) calendar days after the date designated in the Notice to Proceed and to complete the entire contract within Two Hundred Seventy (270) consecutive calendar days from the date of notification to begin work.
3. In case of failure on the part of the Contractor to complete the work within the time fixed in the contract or any extensions thereof, the Contractor shall pay the Owner as liquidated damages the sum of Three Hundred  
DOLLARS and No CENTS (\$ 300.00 ) for each calendar day of delay until the work is completed or accepted.
4. The undersigned agrees upon receipt of written notice of the acceptance of this bid within ninety (90) days after the date of opening of bids, to execute the Construction Contract, in accordance with the bid as accepted, and to give the bonds required with good and sufficient surety or sureties.
5. Payment for all work called for in the plans and specifications or required for proper completion of the work under this contract and not specifically mentioned in the plans and specifications will be considered as covered by the Unit and Lump Sum payments and no extra payments will be allowed therefor.
6. The undersigned hereby designates as his office to which such notice of acceptance may be mailed, telegraphed or delivered:  
MARVEC All State, Inc 251 1/2 GROVE AVE,  
VERONA NEW JERSEY
7. Accompanying this proposal is a Bid Bond  
in the amount of 5% OF the Attached Bid  
DOLLARS and \_\_\_\_\_ CENTS (\$ \_\_\_\_\_ ) as bid security.
8. This bid may be withdrawn at any time prior to the scheduled time for the opening of bids or any authorized postponement thereof.
9. The undersigned acknowledges that he received the following Addenda to the Specifications and that this bid was prepared in accordance with said Addenda:

Addendum No.

Date of Addendum

# 1	2-20-76
# 2	3-23-76
# 3	3-25-76
# 4	3-26-76

10. The bidder understands that the quantities in unit price work are approximate only and are presented solely for the purpose of comparing bids. He understands and agrees that the Owner may increase or decrease the quantity of work to be done under any item. He further agrees that in case of any error or inconsistency in the figures contained in the proposal the unit prices shall govern, and that if his proposal is accepted, the unit prices contained in the proposal are the unit prices which he will receive and which the Owner will pay for the work specified to be done under the items, in the manner set forth and required by the Contract Documents, without recitation or repetition of said unit prices in the contract agreement.

11.

LIST OF INTENDED SUBCONTRACTORS

Subcontractor (Name and Address)

Work To Be Performed


Witness:

By:

Date:

Principal (Individual) \*

Address

Witness:

By:

Date:

(Principal (Partnership) \*)

Address

(CORPORATE SEAL)

Attest:

Secretary

Date:

MARVEC All State, Inc - A CORPORATION  
ORGANIZED UNDER THE LAWS OF THE  
STATE OF NY

Vice President (Corporation) \*

VINCENT CESTONE - VP

251 1/2 GROVE AVE

VERONA, N.J 07044

MARVEC All State, Inc  
Corporation Name and Address

MARVEC All State, Inc

\* ~~Insert bidder's name~~. If a corporation, give the state of incorporation using the phrase, "a corporation organized under the laws

of NEW YORK "

If a partnership, give names of partners, using also the phrase "co-partners trading and doing business under the firm name and style

of "

If an individual using a trade name, give individual name, using also the phrase "an individual doing business under the firm name and style of: "

BETZ ENVIRONMENTAL ENGINEERS, INC.  
ONE PLYMOUTH MEETING MALL  
PLYMOUTH MEETING, PENNSYLVANIA 19462

BID FORM

Notice: All entries must be executed in ink or typed and Bid Form must not be removed from this document.

CONTRACT NO. 12B FURNISHING AND DELIVERY OF ONE (1) 30 INCH  
MOTORIZED KNIFE GATE VALVE

FOR:

Delaware County Regional Water Quality Control Authority  
100 E. Fifth Street  
Chester, Pennsylvania 19013

herein called the OWNER.

1. Pursuant to and in compliance with your ADVERTISEMENT  
dated November 14, 1975, inviting proposals to be received until  
2:00 PM, Prevailing Time, December 2, 1975 for  
FURNISHING AND DELIVERY OF ONE (1) 30 INCH MOTORIZED KNIFE  
GATE VALVE

and having carefully examined the contract documents comprising  
the specifications and all other documents bound therewith,  
together with all addenda or bulletins thereto; the undersigned  
hereby offers to furnish and deliver to the site the following  
equipment:

One (1) 30 inch knife gate valve complete  
with electric motor operator

for the lump sum price of:

EIGHT THOUSAND, ONE HUNDRED AND TWELVE DOLLARS

AND NO CENTS (\$ 8,112 )

to make delivery on or before the guaranteed delivery date  
of November 1, 1976.

3. In case of failure on the part of the Supplier to furnish the equipment within the guaranteed delivery date or any extensions thereof, the Supplier shall pay the Owner as liquidated damages the sum of One Hundred

DOLLARS and No CENTS (\$ 100.00)

for each calendar day of delay until the equipment is delivered.

4. The undersigned agrees upon receipt of written notice of the acceptance of this bid, to execute the Contract, and to give the bond required with good and sufficient surety or sureties.
5. Payment for all work called for in the specifications or required for proper completion of the work under this contract and not specifically mentioned in the specifications will be considered as covered by the payments, as stated in the Agreement, and no extra payments will be allowed therefor.
6. The undersigned hereby designates as his office to which such notice of acceptance may be mailed, telegraphed or delivered:

FABRI-VALVE, A DILLINGHAM CO. P.O. BOX 4367

PORTLAND OREGON 97208

7. Accompanying this proposal is a CERTIFIED CHECK  
in the amount of EIGHT HUNDRED AND TWELVE  
DOLLARS and NO CENTS (\$ 812) as bid surety.

8. The undersigned acknowledges that he received the following Addenda to the Specifications and that this bid was prepared in accordance with said Addenda:

ADDENDUM NO.

DATE OF ADDENDUM

1

12/1/75

9. The bidder shall send with his bid the information requested in paragraph 1.17 of Section 11005, EQUIPMENT SPECIFICATION - GENERAL.

# FABRI<sup>®</sup> VALVE

## SECTION 1.17

1. SHIPPING WEIGHT: APPROXIMATE 1600 LBS ASSEMBLED AS ONE COMPLETE UNIT
2. TIME REQUIRED FOR CERTIFIED DRAWING: 6 WEEKS
3. TIME FOR SHOP DRAWING PROCESSING: 4 WEEKS
5. SERVICE REPRESENTATIVE: TRI-STATE TECHNICAL SALES

382 LANCASTER PIKE

MALVERN PA 19355

10. In submitting this proposal, the undersigned hereby agrees that all the terms and conditions of the Advertisement for Bids, Instructions to Bidders, Bid Form, Agreement, Bonds and Technical Specifications are incorporated herein by reference hereto and that said equipment will be furnished and supplied fully in accordance with the detailed specifications.

11. INFORMATION TO BE FURNISHED BY BIDDER

The undersigned proposed to furnish the following equipment, contingent upon its conformity to the Specifications and its approval by the Engineer. The Manufacturer's name must be stated. Use of the words "as specified" or similar wording will not be acceptable in lieu of the Manufacturer's name.

NOTE: In the event that the Bidder names more than one Manufacturer for any unit, the Owner reserves the right to select and designate which Manufacturer shall furnish said unit. The Owner also reserves the right to reject all Manufacturers named by the Bidder whose products do not meet the requirements of the Specifications.

<u>UNIT</u>	<u>MANUFACTURER</u>
Valve Operator	<u>E-I-M CO. INC</u>

Witness:

Date:

Witness:

Date:

By:

(Principal) (Individual)

Address

By:

(Principal) (Partnership)

Address

(CORPORATE SEAL)

Attest:

Secretary

Date:

President (Corporation)

FABRI-VALVE, A DILLINGHAM CO.

A CORPORATION ORGANIZED UNDER THE

LAWS OF THE STATE OF HAWAII

Corporation Name and Address

\*Insert bidder's name. If a corporation, give the state of incorporation, using the phrase, "a corporation organized under the laws of "

If a partnership, give names of partners, using also the phrase "co-partners trading and doing business under the firm name and style of "

If an individual using a trade name, give individual name, using also the phrase "an individual doing business under the firm name and style of:



BID FORM  
(E.P.A.)

(Notice: This Bid must be executed in ink or by typed entries and it must not be removed from this document)

Bid of: REITER CONSTRUCTION CO.  
(Bidder's Name)

For Contract No. 13

STRUCTURAL AND MECHANICAL WORK  
(Contract Name - General - Plumbing - HVAC - Electrical)

To: Delaware County Regional Water Quality Control Authority

100 East Fifth Street

Chester, PA 19013

Attention: Mr. William Turner

herein called the OWNER.

1. Pursuant to and in compliance with your Advertisement dated December 21, 1976, inviting proposals to be received until 2:00 PM, Prevailing Time, Tuesday, January 25, 1977, for the construction of:

MARCUS HOOK PUMPING STATION

and having carefully examined the Contract Documents comprising the Plans, Specifications and all other documents bound therewith, together with all Addenda thereto; and being familiar with the site and the various conditions affecting the work, the undersigned hereby offers to furnish all plant, labor, materials, supplies, equipment and other facilities and things necessary or proper or incidental to the construction as required by and in strict accordance with the applicable provisions of the Plans and Specifications and of all Addenda issued by the Owner and mailed to the undersigned prior to the date for the opening of bids, whether received by the undersigned or not, for the following Lump Sum Prices:

BASE BID

The Bidder agrees to complete the entire Contract by December 15, 1977, after the date of notification to begin work for the following Base Bid Amount:

- ITEM NO. 1 - Structural and Mechanical Work for the construction of a Pumping Station, complete, except for Items No. 2, No. 3, No. 4 and No. 5 for the Lump Sum Price of:

BF13/1

00-0309-22

*One Hundred Ninety Five Thousand, Three Hundred Sixty Dollars*

NOV 23 1977

ITEM NO. 2 - Timber piles driven to a bearing value of twenty (20) tons, complete in place, 320 linear feet @ \$ 27 / ft. =

Eight Thousand Six Hundred Forty -

       DOLLARS and        CENTS (\$ 8,640 ) ✓

ITEM NO. 3 - Testing allowance to include testing and quality control work for Cast-In-Place Concrete and Timber Piles, for the estimated Total Price of:

FIVE THOUSAND

       DOLLARS and        CENTS (\$5,000.00) ✓

ITEM NO. 4 - Furnish and install Pumps P1 & P2 in accordance with the details on Pump Data Sheet No. 1, for the estimated Total Price of:

Sixty Four Thousand -

       DOLLARS and        CENTS (\$ 64,000 ) ✓

ITEM NO. 5 - Alternate to Item No. 4 - Furnish and install Pumps P1 and P2 in accordance with the details of Pump Data Sheet No. 1B, Addendum No. 2 for the estimated Total Price of:

Sixty Thousand -

       DOLLARS and        CENTS (\$ 60,000 ) ✓

I. TOTAL BASE BID AMOUNT FOR THE CONSTRUCTION OF THE PUMPING STATION (Sum of Items 1, 2, 3 and 4)

Two Hundred Seventy Three Thousand

       DOLLARS and        CENTS (\$ 273,000 ) ✓

II. TOTAL BASE BID AMOUNT FOR THE CONSTRUCTION OF THE PUMPING STATION (Sum of Items 1, 2, 3 and 5)

Two Hundred Sixty Nine Thousand -

       DOLLARS and        CENTS (\$ 269,000 ) ✓

ALTERNATE BID

The Bidder agrees to complete the entire Contract within THREE HUNDRED SIXTY FIVE (365) consecutive calendar days from the date of notification to begin work for the following Alternate Bid Amount:

ITEM NO. 1A - Structural and Mechanical work for the construction of a Pumping Station, complete, for the Lump Sum Price of:

One Hundred Ninety Five Thousand Three Hundred  
Sixty - DOLLARS and — CENTS (\$ 195,360)

ITEM NO. 2A - Timber piles driven to a bearing value of twenty (20) tons, complete in place, 320 linear feet @ \$27 1ft.=

Eight Thousand Six Hundred Forty  
— DOLLARS and — CENTS (\$ 8640<sup>00</sup>) /

ITEM NO. 3A - Testing allowance to include testing and quality control work for Cast-In-Place Concrete and Timber Piles, for the estimated Total Price of:

FIVE THOUSAND  
— DOLLARS and — CENTS (\$ 5,000.00) /

ITEM NO. 4A - Furnish and install Pumps P1 & P2 in accordance with the details on Pump Data Sheet No. 1, for the estimated Total Price of:

Sixty Four Thousand -  
— DOLLARS and — CENTS (\$ 64,000 -) /

ITEM NO. 5A - Alternate to Item No. 4A- Furnish and install Pumps P1 and P2 in accordance with the details of Pump Data Sheet No. 1B, Addendum No. 2 for the estimated Total Price of:

Sixty Thousand -  
— DOLLARS and — CENTS (\$ 60,000 -)

I. TOTAL ALTERNATE BID AMOUNT FOR CONSTRUCTION OF THE PUMPING STATION (Sum of Items 1A, 2A, 3A and 4A)

Two Hundred Seventy Three Thousand  
— DOLLARS and — CENTS (\$ 273,000 -) /

I. TOTAL BASE BID AMOUNT FOR THE CONSTRUCTION OF THE PUMPING STATION (Sum of Items 1A, 2A, 3A and 5A)

Two Hundred Sixty Nine Thousand -  
— DOLLARS and — CENTS (\$ 269,000 -) /

BETZ ENVIRONMENTAL ENGINEERS, INC.

BID FORM  
(E.P.A.)

(Notice: This Bid must be executed in ink or by typed entries and it must not be removed from this document)

Bid of: REITER CONSTRUCTION Co.  
(Bidder's Name)

For Contract No. 13A

HEATING, VENTILATING AND AIR CONDITIONING WORK  
(Contract Name - General - Plumbing - HVAC - Electrical)

To: Delaware County Regional Water Quality Control Authority  
100 East Fifth Street  
Chester, PA 19013

Attention: Mr. William Turner

herein called the OWNER.

1. Pursuant to and in compliance with your Advertisement dated December 21, 1976, inviting proposals to be received until 2:00 PM, Prevailing Time, Tuesday, January 25, 1977, for the construction of:

MARCUS HOOK PUMPING STATION

and having carefully examined the Contract Documents comprising the Plans, Specifications and all other documents bound therewith, together with all Addenda thereto; and being familiar with the site and the various conditions affecting the work, the undersigned hereby offers to furnish all plant, labor, materials, supplies, equipment and other facilities and things necessary or proper or incidental to the construction as required by and in strict accordance with the applicable provisions of the Plans and Specifications and of all Addenda issued by the Owner and mailed to the undersigned prior to the date for the opening of bids, whether received by the undersigned or not, for the following Lump Sum Prices:

BASE BID

The Bidder agrees to complete the entire Contract by December 15, 1977, after the date of notification to begin work for the following Base Bid Amount:

ITEM NO. 1 - HVAC Work for the construction of a  
Pumping Station, complete, for the Lump Sum Price of:

NOV 23

Six Thousand Three Hundred Thirty Three

\_\_\_\_\_ DOLLARS and \_\_\_\_\_ CENTS (\$ 6333- )

ALTERNATE BID

The Bidder agrees to complete the entire Contract within THREE HUNDRED SIXTY FIVE (365) consecutive calendar days from the date of notification to begin work for the following Alternate Bid Amount:

ITEM NO. 1A - HVAC work for the construction of a Pumping Station complete, for the Lump Sum Price of:

Six Thousand Three Hundred Thirty Three

\_\_\_\_\_ DOLLARS and \_\_\_\_\_ CENTS (\$ 6333- )

2. The bidder agrees to begin work within ten (10) calendar days after the date designated in the Notice to Proceed.
3. In case of failure on the part of the Contractor to complete the work within the time fixed in the Contract or any extensions thereof, the Contractor shall pay the Owner as liquidated damages the sum of Two Hundred Fifty DOLLARS and \_\_\_\_\_ NO \_\_\_\_\_ CENTS (\$ 250.00 ) for each calendar day of delay until the work is completed or accepted.
4. The undersigned agrees, upon receipt of written notice of the acceptance of this bid within Ninety (90) days after the date of opening of bids, to execute the Construction Contract, in accordance with the bid as accepted, and to give the bonds required with good and sufficient surety or sureties.
5. Payment for all work called for in the Plans and Specifications or required for proper completion of the work under this Contract and not specifically mentioned in the Plans and Specifications will be considered as covered by the Lump Sum payment and no extra payments will be allowed therefor.
6. The undersigned hereby designates as his office to which such notice of acceptance may be mailed, telegraphed or delivered:  
54 S. YORK Rd.  
HARBORO, PA. 19040
7. Accompanying this proposal is a Bid Bond in the amount of Five Percent of Total Bid Amt DOLLARS and \_\_\_\_\_ CENTS (\$ 5% of Total Bid ) as bid security.
8. This bid may be withdrawn at any time prior to the scheduled time for the opening of bids or any authorized postponement thereof.
9. The undersigned acknowledges that he received the following Addenda to the Specifications and that this bid was prepared in accordance with said Addenda:  
BF13A/2

Addendum NO.

Date of Addendum

1

1/3/77

2

1/17/77

10. NOTICE OF REQUIREMENT FOR CERTIFICATION ON NONSEGREGATED FACILITIES

Bidders and offerors are cautioned as follows: By signing this bid or offer, the bidder or offeror will be deemed to have signed and agreed to the provisions of the "Certification of Nonsegregated Facilities" in this solicitation. The certification provides that the bidder or offeror does not maintain or provide for his employees facilities which are segregated on a basis of race, creed, color, or national origin, whether such facilities are segregated by directive or on a de facto basis. The certification also provides that he will not maintain such segregated facilities. Failure of a bidder or offeror to agree to the Certification of Nonsegregated Facilities will render his bid or offer nonresponsive to the terms of solicitations involving awards of contracts exceeding \$10,000 which are not exempt from the provisions of the Equal Opportunity clause.

11. CERTIFICATION OF NONSEGREGATED FACILITIES

Following this Bid Form is a copy of the E.P.A. "Certification of Nonsegregated Facilities" which must be signed by the Bidder.

12. COMPLIANCE STATEMENT

Following this Bid Form is a Compliance Statement concerning Executive Order 11246 which must be signed by the Bidder.

## BETZ ENVIRONMENTAL ENGINEERS, INC.

BID FORM  
(E.P.A.)

(Notice: This Bid must be executed in ink or by typed entries and it must not be removed from this document)

Bid of: Philips Brothers Electrical Contracting Inc  
(Bidder's Name)

For Contract No. 14

ELECTRICAL WORK

(Contract Name - General - Plumbing - HVAC - Electrical)

To: Delaware County Regional Water Quality Control Authority

100 East Fifth Street

Chester, PA 19013

Attention: Mr. William Turner

herein called the OWNER.

1. Pursuant to and in compliance with your Advertisement dated December 21, 1976, inviting proposals to be received until 2:00 PM, Prevailing Time, Tuesday, January 25, 1977, for the construction of:

MARCUS HOOK PUMPING STATION

and having carefully examined the Contract Documents comprising the Plans, Specifications and all other documents bound therewith, together with all Addenda thereto; and being familiar with the site and the various conditions affecting the work, the undersigned hereby offers to furnish all plant, labor, materials, supplies, equipment and other facilities and things necessary or proper or incidental to the construction as required by and in strict accordance with the applicable provisions of the Plans and Specifications and of all Addenda issued by the Owner and mailed to the undersigned prior to the date for the opening of bids, whether received by the undersigned or not, for the following Lump Sum Prices:

BASE BID

The Bidder agrees to complete the entire Contract by December 15, 1977, after the date of notification to begin work for the following Base Bid Amount:

ITEM NO. 1 - Electrical Work for the construction of a Pumping Station, complete, for the Lump Sum Price of:

Forty Eight Thousand Seven hundred Seventy Seven

48,777<sup>00</sup> DOLLARS and \_\_\_\_\_ CENTS (\$ \_\_\_\_\_)

ALTERNATE BID

The Bidder agrees to complete the entire Contract within THREE HUNDRED SIXTY FIVE (365) consecutive calendar days from the date of notification to begin work for the following Alternate Bid Amount:

ITEM NO. 1A - Electrical work for the construction of a Pumping Station, complete, for the Lump Sum Price of:

Forty Eight Thousand Seven Hundred Seventy Seven  
48,777<sup>00</sup> DOLLARS and no CENTS (\$ 48,777<sup>00</sup>)

2. The bidder agrees to begin work within ten (10) calendar days after the date designated in the Notice to Proceed.
3. In case of failure on the part of the Contractor to complete the work within the time fixed in the Contract or any extensions thereof, the Contractor shall pay the Owner as liquidated damages the sum of Two Hundred Fifty DOLLARS and NO CENTS (\$ 250.00) for each calendar day of delay until the work is completed or accepted.
4. The undersigned agrees, upon receipt of written notice of the acceptance of this bid within Ninety (90) days after the date of opening of bids, to execute the Construction Contract, in accordance with the bid as accepted, and to give the bonds required with good and sufficient surety or sureties.
5. Payment for all work called for in the Plans and Specifications or required for proper completion of the work under this Contract and not specifically mentioned in the Plans and Specifications will be considered as covered by the Lump Sum payment and no extra payments will be allowed therefor.
6. The undersigned hereby designates as his office to which such notice of acceptance may be mailed, telegraphed or delivered:  
Philips Brothers Electrical Cont Inc  
RDH1 GLENMOORE Pa 19343
7. Accompanying this proposal is a Bid Bond in the amount of 59.00 all cash Bm DOLLARS and 1 CENTS (\$ \_\_\_\_\_) as bid security.  
as computered
8. This bid may be withdrawn at any time prior to the scheduled time for the opening of bids or any authorized postponement thereof.
9. The undersigned acknowledges that he received the following Addenda to the Specifications and that this bid was prepared in accordance with said Addenda:



Addendum NO.

Date of Addendum

#1

1-3-77

#2

1-17-77

10. NOTICE OF REQUIREMENT FOR CERTIFICATION ON NONSEGREGATED FACILITIES

Bidders and offerors are cautioned as follows: By signing this bid or the bidder or offeror will be deemed to have signed and agreed to the provisions of the "Certification of Nonsegregated Facilities" in this solicitation. The certification provides that the bidder or offeror does not maintain or for his employees facilities which are segregated on a basis of race, creed, or national origin, whether such facilities are segregated by directive or contract. The certification also provides that he will not maintain such segregated facilities. Failure of a bidder or offeror to agree to the Certification of Nonsegregated Facilities will render his bid or offer nonresponsive to the terms of solicitations and awards of contracts exceeding \$10,000 which are not exempt from the provisions of the Equal Opportunity clause.

11. CERTIFICATION OF NONSEGREGATED FACILITIES

Following this Bid Form is a copy of the E.P.A. "Certification of Nonsegregated Facilities" which must be signed by the Bidder.

12. COMPLIANCE STATEMENT

Following this Bid Form is a Compliance Statement concerning Executive Order 11246 which must be signed by the Bidder.

BETZ ENVIRONMENTAL ENGINEERS, INC.  
ONE PLYMOUTH MEETING MALL  
PLYMOUTH MEETING, PENNSYLVANIA 19462

BID FORM

(Notice: This Bid must be executed in ink or by typed entries  
and it must not be removed from this document)

BID

FOR CONSTRUCTION OF

CONTRACT NO. 15 - MARCUS HOOK AND SUN OIL FORCE MAIN

TO: DELAWARE COUNTY REGIONAL  
WATER QUALITY CONTROL AUTHORITY  
100 EAST FIFTH STREET  
CHESTER, PENNSYLVANIA 19013

herein called the OWNER.

1. Pursuant to and in compliance with your Advertisement  
dated 12/21/77, inviting proposals to be received  
until JANUARY 25, 1977 2:00 P.M.  
for the construction of:

CONTRACT NO. 15 - MARCUS HOOK AND SUN OIL FORCE MAIN

Having carefully examined the Contract Documents comprising the  
Plans, Specifications, and all other documents bound therewith,  
together with all addenda or bulletins thereto; and being familiar  
with the site and the various conditions affecting the work, the  
undersigned hereby agrees to furnish all material, labor, and  
equipment for the installation of the new 30 and 36 inch Sewage  
Force Main and other facilities and things necessary or proper  
or incidental to the construction as required by and in strict  
accordance with the applicable provisions of the plans and  
specifications and all Addenda or bulletins issued by the Owner  
and mailed to the undersigned prior to the date for the opening  
of bids, whether received by the undersigned or not for the  
following Unit and Lump Sum Prices:

1/30/76

Section "A"				Unit Price		Total Price
Item		Est.		Top Line - Figures		In Figures
No.	Description	Qty.	Unit	Bottom Line - In Words		
ITEM NO. 1-A - 30 INCH PRESTRESSED CONCRETE CYLINDER PIPE (P.C.C.P.)						
DESIGN CONDITION NO. 1						
1-A-1	0 ft.-10 ft. deep	115	L.F.	(\$ <u>120.<sup>00</sup></u> )	<u>One hundred twenty dollars.</u>	(\$ <u>13,800.<sup>00</sup></u> ) ✓
1-A-2	10 ft.-14 ft. deep	550	L.F.	(\$ <u>120.<sup>00</sup></u> )	<u>One hundred twenty dollars</u>	(\$ <u>66,000.<sup>00</sup></u> ) ✓
1-A-3	14 ft.-16 ft. deep	310	L.F.	(\$ <u>120.<sup>00</sup></u> )	<u>One hundred twenty dollars</u>	(\$ <u>37,200.<sup>00</sup></u> ) ✓
1-A-4	16 ft.-18 ft. deep	100	L.F.	(\$ <u>120.<sup>00</sup></u> )	<u>One hundred twenty dollars</u>	(\$ <u>12,000.<sup>00</sup></u> ) ✓

BF15-2

Item No.	Section "A" Description	Est. Qty.	Unit	Unit Price		Total Price In Figures
				Top Line - Figures	Bottom Line - In Words	
ITEM NO. 2-A - 30 INCH PRESTRESSED CONCRETE CYLINDER PIPE (P.C.C.P.) DESIGN CONDITION NO. 2						
2-A-1	0 ft.-10 ft. deep	330	L.F.	(\$ 120 <sup>00</sup> )	One hundred twenty dollars	(\$ 39,600 <sup>00</sup> ) ✓
2-A-2	10 ft.-14 ft. deep	515	L.F.	(\$ 120 <sup>00</sup> )	One hundred twenty dollars	(\$ 61,800 <sup>00</sup> ) ✓
2-A-3	14 ft.-16 ft. deep	550	L.F.	(\$ 120 <sup>00</sup> )	One hundred twenty dollars	(\$ 66,000 <sup>00</sup> ) ✓
2-A-4	16 ft.-18 ft. deep	130	L.F.	(\$ 120 <sup>00</sup> )	One hundred twenty dollars	(\$ 15,600 <sup>00</sup> ) ✓

Item No.	Section "A" Description	Est. Qty.	Unit	Unit Price		Total Price In Figures
				Top Line - Figures	Bottom Line - In Words	

ITEM NO. 3-A - FITTINGS FOR 30 INCH P.C.C.P.  
DESIGN CONDITION NO. 1

BF15-4	3-A-1	Bends 0°-15°	1	Each	(\$ <u>1000.<sup>00</sup></u> )		
					<u>One thousand dollars -</u>		(\$ <u>1,000.-</u> ✓)
	3-A-2	Bends 15.1°-30°	1	Each	(\$ <u>1000.<sup>00</sup></u> )		
					<u>One thousand dollars -</u>		(\$ <u>1,000.-</u> ✓)
	3-A-3	Bends 30.1°-45°	2	Each	(\$ <u>1000.<sup>00</sup></u> )		
					<u>One thousand dollars</u>		(\$ <u>2,000.-</u> ✓)
	3-A-4	Bends 45.1°-60°	1	Each	(\$ <u>1,000.<sup>00</sup></u> )		
					<u>One thousand dollars</u>		(\$ <u>1,000.<sup>00</sup></u> ✓)
	3-A-5	Bends 60.1°-90°	3	Each	(\$ <u>1,000.<sup>00</sup></u> )		
					<u>One thousand dollars</u>		(\$ <u>3,000.<sup>00</sup></u> ✓)

Item No.	Section "A" Description	Est. Qty.	Unit	Unit Price		Total Price In Figures
				Top Line - Figures	Bottom Line - In Words	
3-A-6	30 inch welded steel to concrete adapter with connection to 30 inch Sun Oil Pipe including coating	1	Each	(\$ <u>1,000.<sup>00</sup></u> )	<u>One thousand dollars</u>	(\$ <u>1,000.<sup>00</sup></u> ) ✓
3-A-7	30 inch cap or plug at Station 0+0 in lieu of making connection to the Sun Oil Pipe including pipe location marker ( <u>this item not to be included in sub-total on Page BF15-12</u> )	1	Each	(\$ <u>500.<sup>00</sup></u> )	<u>Five hundred dollars</u>	(\$ <u>500.<sup>00</sup></u> ) ✓

ITEM NO. 4-A - FITTINGS FOR 30 INCH P.C.C.P.  
(DESIGN CONDITION NO. 2)

4-A-1	Bends 0°-15°	3	Each	(\$ <u>1,000.<sup>00</sup></u> )	<u>One thousand dollars</u>	(\$ <u>3,000.<sup>00</sup></u> ) ✓
4-A-2	Bends 15.1°-30°	1	Each	(\$ <u>1,000.<sup>00</sup></u> )	<u>One thousand dollars</u>	(\$ <u>1,000.<sup>00</sup></u> ) ✓

325,5

Item No.	Section "A" Description	Est. Qty.	Unit	Unit Price		Total Price In Figures
				Top Line - Figures	Bottom Line - In Words	
4-A-3	Bends 30.1°-45°	2	Each	(\$ <u>1,000.<sup>00</sup></u> )	<u>One thousand dollars</u>	(\$ <u>2,000.<sup>00</sup></u> )
4-A-4	Bends 45.1°-60°	1	Each	(\$ <u>1,000.<sup>00</sup></u> )	<u>One thousand dollars</u>	(\$ <u>1,000.<sup>00</sup></u> )
4-A-5	Bends 60.1°-90°	1	Each	(\$ <u>1,000.<sup>00</sup></u> )	<u>One thousand dollars</u>	(\$ <u>1,000.<sup>00</sup></u> )
4-A-6	30 in. x 36 in. Increaser	1	Each	(\$ <u>1,000.<sup>00</sup></u> )	<u>One thousand dollars</u>	(\$ <u>1,000.<sup>00</sup></u> )
<u>Item No. 5-A</u>						
5-A	Harnessed Joints for 30 inch P.C.C.P.	130	Each	(\$ <u>225.<sup>00</sup></u> )	<u>Two hundred twenty five dollars</u>	(\$ <u>29,250.<sup>00</sup></u> )
<u>Item No. 6-A</u>						
6-A	Class "B" concrete for thrust blocks and for miscellaneous use as directed by the Engineer.	120	C.Y.	(\$ <u>100.<sup>00</sup></u> )	<u>One hundred dollars</u>	(\$ <u>12,000.<sup>00</sup></u> )

37,750

<u>Section "A"</u>				<u>Unit Price</u>		
<u>Item</u>	<u>Description</u>	<u>Est.</u>	<u>Unit</u>	<u>Top Line - Figures</u>	<u>Bottom Line - In Words</u>	<u>Total Price</u>
<u>No.</u>		<u>Qty.</u>				<u>In Figures</u>
<u>Item No. 7-A</u>						
7-A	Concrete encasement (Class "B") for 30 inch P.C.C.P as directed by the Engineer	100	L.F.	(\$ <u>100.<sup>00</sup></u> )	<u>One hundred dollars</u>	(\$ <u>10,000.<sup>00</sup></u> ) /
<u>Item No. 8-A</u>						
8-A	Class "B" concrete with reinf. for encasement of existing sewers as directed by the Engineer	120	C.Y.	(\$ <u>100.<sup>00</sup></u> )	<u>One hundred dollars</u>	(\$ <u>12,000.<sup>00</sup></u> ) /
<u>ITEM NOS. 9-A-1 AND 9-A-2, CRUSHED STONE BEDDING FOR 30 INCH P.C.C.P.</u>						
BF15-7						
9-A-1	Bedding Conditions "B"	2000	L.F.	(\$ <u>15.<sup>00</sup></u> )	<u>Fifteen dollars</u>	(\$ <u>30,000.<sup>00</sup></u> ) /
9-A-2	Bedding Conditions "C"	500	L.F.	(\$ <u>20.<sup>00</sup></u> )	<u>Twenty dollars</u>	(\$ <u>10,000.<sup>00</sup></u> ) /
<u>Item No. 10-A</u>						
10-A	Additional PennDOT coarse Aggregate 3A	200	C.Y.	(\$ <u>15.<sup>00</sup></u> )	<u>Fifteen dollars</u>	(\$ <u>3,000.<sup>00</sup></u> ) /



Item No.	Section "A" Description	Est. Qty.	Unit	Unit Price		Total Price In Figures
				Top Line - Figures	Bottom Line - In Words	

ITEM NO. 11-A - SHEETING LEFT-IN-PLACE FOR 30 INCH P.C.C.P.

11-A-1 0 ft.-10 ft. deep

445

L.F.

(\$ 7<sup>00</sup>)

Seven dollars

(\$ 3,115<sup>00</sup>)

11-A-2 10 ft.-14 ft. deep

1065

L.F.

(\$ 7<sup>00</sup>)

Seven dollars

(\$ 7,455<sup>00</sup>)

11-A-3 14 ft.-16 ft. deep

860

L.F.

(\$ 7<sup>00</sup>)

Seven dollars

(\$ 6,020<sup>00</sup>)

11-A-4 16 ft.-18 ft. deep

230

L.F.

(\$ 7<sup>00</sup>)

Seven dollars

(\$ 1,610<sup>00</sup>)

450,950

BF15-8

<u>Section "A"</u>				<u>Unit Price</u>		
<u>Item</u>	<u>Description</u>	<u>Est.</u>	<u>Unit</u>	<u>Top Line - Figures</u>	<u>Bottom Line - In Words</u>	<u>Total Price</u>
<u>No.</u>		<u>Qty.</u>				<u>In Figures</u>
<u>ITEM NO. 12-A, RAILROAD CROSSINGS (TUNNEL)</u>						
12-A-1	Tunnel No. 1, Fourth and Market Streets	55	L.F.	(\$ <u>650.<sup>00</sup></u> )	<u>Six hundred fifty dollars</u>	(\$ <u>35,750.<sup>00</sup></u> ✓)
12-A-2	Tunnel No. 2, Fourth and Penn Streets	105	L.F.	(\$ <u>650.<sup>00</sup></u> )	<u>Six hundred fifty dollars</u>	(\$ <u>68,250.<sup>00</sup></u> ✓)
12-A-3	Tunnel No. 3, Penn Street and Entrance Road to Pumping Station	215	L.F.	(\$ <u>650.<sup>00</sup></u> )	<u>Six hundred fifty dollars</u>	(\$ <u>139,750.<sup>00</sup></u> ✓)
<u>Item No. 13-A</u>						
13-A	Valve pit including 30 inch motorized gate valve, air release valve, and 30 inch P.C.C.P. (Design Condition No. 2)	1	L.S.	(\$ <u>45,000.<sup>00</sup></u> )	<u>Forty five thousand dollars</u>	(\$ <u>45,000.<sup>00</sup></u> ✓)

743,700

Item No.	Section "A" Description	Est. Qty.	Unit	Unit Price		Total Price In Figures
				Top Line - Figures	Bottom Line - In Words	

ITEM NO. 14-A, PIPE IN TREATMENT PLANT AREA 1 OTHER THAN 30 INCH P.C.C.P.

14-A-1 Six (6) in. drain line  
from valve pit to existing  
wet well

L.S. (\$ 2,000.<sup>00</sup> )

Two thousand dollars

(\$ 2,000.<sup>00</sup>) ✓

14-A-2 Relocate overflow pipe and  
extend drain pipe as directed  
by the Engineer

L.S. (\$ 6,000.<sup>00</sup> )

Six thousand dollars

(\$ 6,000.<sup>00</sup>) ✓

ITEM NO. 15-A, REPAVING

15-A-1 Borough of Marcus Hook Streets  
and Access Road to Treatment  
Plant

2400 L.F. (\$ 20.<sup>00</sup> )

Twenty dollars

(\$ 48,000.<sup>00</sup>) ✓

799,700

Item Section "A"  
No. Description

Est. Unit Price  
Qty. Unit Top Line - Figures  
Bottom Line - In Words

Total Price  
In Figures

15-A-2 Road area in  
Treatment Plant

200 L.F. (\$ 15<sup>00</sup>)

Fifteen dollars

(\$ 3,000<sup>00</sup>) ✓

Item No. 16-A

16-A Temporary Repaving as  
directed by the Engineer

2600 L.F. (\$ 8<sup>00</sup>)

Eight dollars

(\$ 20,800<sup>00</sup>) ✓

Item No. 17-A

17-A Excavation in rock

50 C.Y. (\$ 0.<sup>01</sup>)

One cent

(\$ 0.<sup>50</sup>) ✓

Item No. 18-A

18-A Selected backfill

4000 C.Y. (\$ 12<sup>00</sup>)

Twelve dollars

(\$ 48,000<sup>00</sup>) ✓

Item No. 19-A

19-A Sidewalk replacement  
(Borough of Marcus Hook)  
as directed by the Engineer

600 S.Y. (\$ 10<sup>00</sup>)

Ten dollars

(\$ 6,000<sup>00</sup>) ✓

Item No. 20-A

20-A Curb replacement  
(Borough of Marcus Hook)  
as directed by the Engineer

1000 L.F. (\$ 8<sup>00</sup>)

Eight dollars

(\$ 8,000<sup>00</sup>) ✓

88,800<sup>50</sup>

BF15-11

ADDENDUM NO. 2

<u>Section "A"</u>				<u>Unit Price</u>		
<u>Item</u>	<u>Description</u>	<u>Est.</u>		<u>Top Line - Figures</u>	<u>Bottom Line - In Words</u>	<u>Total Price</u>
<u>No.</u>		<u>Qty.</u>	<u>Unit</u>			<u>In Figures</u>
<u>Item No. 21-A</u>						
21-A	Lawn restoration (Marcus Hook Treatment Plant Area) as directed by the Engineer	175	L.F.	(\$ <u>10.<sup>00</sup></u> )	<u>Ten dollars</u>	(\$ <u>1,750.<sup>00</sup></u> ) ✓
<u>Item No. 22-A</u>						
22-A	Reconstruction of Storm Inlets as directed by the Engineer	1	L.S.	(\$ <u>1,000.<sup>00</sup></u> )	<u>One thousand dollars</u>	(\$ <u>1,000.<sup>00</sup></u> ) ✓
<u>Item No. 23-A</u>						
23-A	Explore location of Existing Underground Utilities ahead of construction as directed by the Engineer	6	Each	(\$ <u>500.<sup>00</sup></u> )	<u>Five hundred dollars</u>	(\$ <u>3,000.<sup>00</sup></u> ) ✓
<u>Item No. 24-A</u>						
24-A	Soils Testing		L.S.	(\$ <u>5,000.00</u> )		
<u>FIVE THOUSAND DOLLARS</u>						(\$ <u>5,000.00</u> ) ✓
						\$9,250. <sup>00</sup>

SUBTOTAL (ITEM NOS. 1-A through  
24-A) CONTRACT NO. 15, SECTION "A"  
(Item No. 3A-7 not to be included  
in the sub-total)

Eight hundred ninety five thousand, (\$ 895,750.<sup>50</sup>) ✓  
seven hundred fifty DOLLARS and fifty CENTS

<u>Section "B"</u>				<u>Unit Price</u>		
<u>Item</u>	<u>Description</u>	<u>Est.</u>		<u>Top Line - Figures</u>		<u>Total Price</u>
<u>No.</u>		<u>Qty.</u>	<u>Unit</u>	<u>Bottom Line - In Words</u>		<u>In Figures</u>
ITEM NO. 1-B - 36 INCH PRESTRESSED CONCRETE CYLINDER PIPE (P.C.C.P.)						
<u>DESIGN CONDITION NO. 1</u>						
1-B-1	0 ft.-10 ft. deep	100	L.F.	(\$ <u>130.<sup>00</sup></u> )	<u>One hundred thirty dollars</u>	(\$ <u>13,000.<sup>00</sup></u> ) ✓
1-B-2	10 ft.-14 ft. deep	1270	L.F.	(\$ <u>130.<sup>00</sup></u> )	<u>One hundred thirty dollars</u>	(\$ <u>165,100.<sup>00</sup></u> ) ✓
1-B-3	14 ft. -16 ft. deep	625	L.F.	(\$ <u>130.<sup>00</sup></u> )	<u>One hundred thirty dollars</u>	(\$ <u>81,250.<sup>00</sup></u> ) ✓
1-B-4	16 ft.-18 ft. deep	100	L.F.	(\$ <u>130.<sup>00</sup></u> )	<u>One hundred thirty dollars</u>	(\$ <u>13,000.<sup>00</sup></u> ) ✓
		10	L.F.			

272,350

BF15-13

Item No.	Section "B"	Est. Qty.	Unit	Unit Price		Total Price In Figures
	Description			Top Line - Figures	Bottom Line - In Words	
ITEM NO. 2-B - 36 INCH PRESTRESSED CONCRETE CYLINDER PIPE (P.C.C.P.)						
	DESIGN CONDITION NO. 2				(\$ _____)	
						(\$ _____)
2-B-1	0 ft.-10 ft. deep	600	L.F.	(\$ <u>130.<sup>00</sup></u> )		
				<u>One hundred thirty dollars</u>		(\$ <u>78,000.<sup>00</sup></u> ) ✓
2-B-2	10 ft.-14 ft. deep	2050	L.F.	(\$ <u>130.<sup>00</sup></u> )		
				<u>One hundred thirty dollars</u>		(\$ <u>266,500.<sup>00</sup></u> ) ✓
2-B-3	14 ft.-16 ft. deep	250	L.F.	(\$ <u>130.<sup>00</sup></u> )		
				<u>One hundred thirty dollars</u>		(\$ <u>32,500.<sup>00</sup></u> ) ✓
2-B-4	16 ft.-18 ft. deep	125	L.F.	(\$ <u>130.<sup>00</sup></u> )		
				<u>One hundred thirty dollars</u>		(\$ <u>16,250.<sup>00</sup></u> ) ✓
2-B-5	18 ft.-20 ft. deep	125	L.F.	(\$ <u>130.<sup>00</sup></u> )		
				<u>One hundred thirty dollars</u>		(\$ <u>16,250.<sup>00</sup></u> ) ✓
						681,550

687,550

BF15-14

Item No.	Section "B" Description	Est. Qty.	Unit	Unit Price		Total Price In Figures
				Top Line - Figures	Bottom Line - In Words	

2-B-6	20 ft.-22 ft. deep	100	L.F.	(\$ 130. <sup>00</sup> )		
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One hundred thirty dollars

(\$ 13,000)

Item No. 3-B

3-B	Additional cost of Bituminous coating of 36 inch P.C.C.P.	110	L.F.	(\$ 10. <sup>00</sup> )		
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Ten dollars

(\$ 1,100.<sup>00</sup>)

ITEM NO. 4-B - FITTINGS FOR 36 INCH P.C.C.P.  
DESIGN CONDITION NO. 1

4-B-1	Bends 0°-15°	3	Each	(\$ 1,000. <sup>00</sup> )		
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One thousand dollars

(\$ 3,000.<sup>00</sup>)

BF15-15



Section "B"

Item No.	Description	Est. Qty.	Unit	Unit Price Top Line - Figures Bottom Line - In Words	Total Price In Figures
4-B-2	Bends 15.1°-30°	1	Each	(\$ <u>1,000.<sup>00</sup></u> ) <u>One thousand dollars</u>	(\$ <u>1,000.<sup>00</sup></u> ) ✓
4-B-3	Bends 30.1°-45°	5	Each	(\$ <u>1,000.<sup>00</sup></u> ) <u>One thousand dollars</u>	(\$ <u>5,000.<sup>00</sup></u> ) ✓
4-B-4	Bends 45.1°-60°	1	Each	(\$ <u>1,000.<sup>00</sup></u> ) <u>One thousand dollars</u>	(\$ <u>1,000.<sup>00</sup></u> ) ✓
4-B-5	4 in. flanged outlet	2	Each	(\$ <u>600.<sup>00</sup></u> ) <u>Six hundred dollars</u>	(\$ <u>1,200.<sup>00</sup></u> ) ✓
ITEM NO. 5-B - FITTINGS FOR 36 INCH P.C.C.P. DESIGN CONDITION NO. 2					
5-B-1	Bends 0°-15°	2	Each	(\$ <u>1,000.<sup>00</sup></u> ) <u>One thousand dollars</u>	(\$ <u>2,000.<sup>00</sup></u> ) ✓

709,150

BF15-16

Item No.	Section "B" Description	Est. Qty.	Unit	Unit Price		Total Price In Figures
				Top Line - Figures	Bottom Line - In Words	
5-B-2	Bends 15.1°-30°	1	Each	(\$ <u>1,000.<sup>00</sup></u> )	<u>One thousand dollars</u>	(\$ <u>1,000.<sup>00</sup></u> ) ✓
5-B-3	Bends 30.1°-45°	5	Each	(\$ <u>1,000.<sup>00</sup></u> )	<u>One thousand dollars</u>	(\$ <u>5,000.<sup>00</sup></u> ) ✓
5-B-4	Bends 45.1°-60°	2	Each	(\$ <u>1,000.<sup>00</sup></u> )	<u>One thousand dollars</u>	(\$ <u>2,000.<sup>00</sup></u> ) ✓
5-B-5	Bends 60.1°-90°	1	Each	(\$ <u>1,500.<sup>00</sup></u> )	<u>One thousand five hundred dollars</u>	(\$ <u>1,500.<sup>00</sup></u> ) ✓
5-B-6	36 in. x 30 in. concrete to welded steel reducer to 30 in. steel pipe @ Delcora Pit No. 1, including coating.	1	Each	(\$ <u>1,500.<sup>00</sup></u> )	<u>One thousand five hundred dollars</u>	(\$ <u>1,500.<sup>00</sup></u> ) ✓
5-B-7	36 in. x 16 in. wye and 16 in. 45° bend (Concrete Bell to M.J.)	1	Each	(\$ <u>1,500.<sup>00</sup></u> )	<u>One thousand five hundred dollars</u>	(\$ <u>1,500.<sup>00</sup></u> ) ✓

Item No.	Section "B" Description	Est. Qty.	Unit	Unit Price		Total Price In Figures
				Top Line - Figures	Bottom Line - In Words	
5-B-8	4 in. flanged outlet	1	Each	(\$ <u>600.<sup>00</sup></u> )	<u>Six hundred dollars</u>	(\$ <u>600.<sup>00</sup></u> )
<u>Item 6-B</u>						
6-B	Harnessed Joints for 36 in. P.C.C.P.	140	Each	(\$ <u>230.<sup>00</sup></u> )	<u>Two hundred thirty dollars</u>	(\$ <u>32,200.<sup>00</sup></u> )
<u>Item 7-B</u>						
7-B	Class "B" Concrete for thrust blocks and for miscellaneous use as directed by the Engineer.	120	C.Y.	(\$ <u>100.<sup>00</sup></u> )	<u>One hundred dollars</u>	(\$ <u>12,000.<sup>00</sup></u> )
<u>Item 8-B</u>						
8-B	Concrete Encasement (Class B) for 36 in. P.C.C.P. as directed by the Engineer	300	L.F.	(\$ <u>100.<sup>00</sup></u> )	<u>One hundred dollars</u>	(\$ <u>30,000.<sup>00</sup></u> )
<u>ITEM NO. 9-B - CRUSHED STONE BEDDING FOR 36 INCH P.C.C.P. AS DIRECTED BY THE ENGINEER</u>						
9-B-1	Bedding Condition "B"	2150	L.F.	(\$ <u>15.<sup>00</sup></u> )	<u>Fifteen dollars</u>	(\$ <u>32,250.<sup>00</sup></u> )

125,100

Item No.	Section "B" Description	Est. Qty.	Unit	Unit Price		Total Price In Figures
				Top Line - Figures	Bottom Line - In Words	
9-B-2	Bedding Condition "C"	500	L.F.	(\$ <u>20.<sup>00</sup></u> )	<u>Twenty dollars</u>	(\$ <u>10,000.<sup>00</sup></u> ) ✓
<u>Item 10-B</u>						
10-B	Additional PennDOT Coarse Aggregate 3A	200	C.Y.	(\$ <u>15.<sup>00</sup></u> )	<u>Fifteen dollars</u>	(\$ <u>3,000.<sup>00</sup></u> ) ✓
<u>ITEM NO. 11-B -SHEETING LEFT-IN-PLACE</u>						
11-B-1	0 ft.-10 ft. deep	700	L.F.	(\$ <u>7.<sup>00</sup></u> )	<u>Seven dollars</u>	(\$ <u>4,900.<sup>00</sup></u> ) ✓
11-B-2	10 ft.-14 ft. deep	3320	L.F.	(\$ <u>7.<sup>00</sup></u> )	<u>Seven dollars</u>	(\$ <u>23,240.<sup>00</sup></u> ) ✓
11-B-3	14 ft.-16 ft. deep	875	L.F.	(\$ <u>7.<sup>00</sup></u> )	<u>Seven dollars</u>	(\$ <u>6,125.<sup>00</sup></u> ) ✓

RF15-19

BF15-20

Item No.	Section "B" Description	Est. Qty.	Unit	Unit Price		Total Price In Figures
				Top Line - Figures	Bottom Line - In Words	
11-B-4	16 ft.-18 ft. deep	225	L.F.	(\$ <u>7<sup>00</sup></u> )	<u>Seven dollars</u>	(\$ <u>1,575<sup>00</sup></u> ) ✓
11-B-5	18 ft.-20 ft. deep	125	L.F.	(\$ <u>7<sup>00</sup></u> )	<u>Seven dollars</u>	(\$ <u>875<sup>00</sup></u> ) ✓
11-B-6	20 ft.-22 ft. deep	100	L.F.	(\$ <u>7<sup>00</sup></u> )	<u>Seven dollars</u>	(\$ <u>700<sup>00</sup></u> ) ✓
ITEM NO. 12-B - CREEK CROSSINGS						
12-B-1	Marcus Hook Creek Crossing complete with 36 in. P.C.C.P. (Pipe Design Condition No. 2), fittings, and concrete encasement	370	L.F.	(\$ <u>400<sup>00</sup></u> )	<u>Four hundred dollars</u>	(\$ <u>148,000<sup>00</sup></u> ) ✓
12-B-2	Stoney Creek Crossing complete with 36 in. P.C.C.P. (Pipe Design Condition No. 2), fittings, and concrete encasement	170	L.F.	(\$ <u>400<sup>00</sup></u> )	<u>Four hundred dollars</u>	(\$ <u>68,000<sup>00</sup></u> ) ✓

879,115

1095,115

Item No.	Section "B" Description	Est. Qty.	Unit	Unit Price		Total Price In Figures
				Top Line - Figures	Bottom Line - In Words	

ITEM NO. 13-B - RAILROAD CROSSINGS (OPEN CUT)

13-B-1 Force Main Station 33+25  
Temporary Shoring,  
Support Structure, and additional  
excavation

1 L.S. (\$ 10,000.<sup>00</sup>)

Ten thousand dollars

(\$ 10,000.<sup>00</sup>)

13-B-2 Force Main Station 36+95  
Temporary Shoring,  
Support Structure, and additional  
excavation

1 L.S. (\$ 10,000.<sup>00</sup>)

Ten thousand dollars

(\$ 10,000.<sup>00</sup>)

Item No. 14-B

14-B Air Release Valve Chamber and  
appurtenances.

3 Each (\$ 5,000.<sup>00</sup>)

Five thousand dollars

(\$ 15,000.<sup>00</sup>)

ITEM NO. 15-B - CONNECTION TO MARCUS HOOK PUMP STATION

(Selection of alternate to be determined by the Engineer before equipment is ordered)

15-B-1 Alternate No. 1 \*  
Connection to new pumping  
station 16 in. Force Main

1 L.S. (\$ 1,000.<sup>00</sup>)

One thousand dollars

(\$ 1,000.<sup>00</sup>)

\*Highest price of either Item 15B-1 or 15B-2  
to be used in sub-total, Page BF15-23

BF15-23

DELCORA - EASTERN CONVEYANCE

EXHIBIT NO. 1

Contract No. 18A - Pump Station - Structural and Mechanical

Contract Awarded:  
Contractor:

November 16, 1978  
CARL E. WIDELL & SON  
232 Kings Highway East  
Haddonfield, New Jersey 08033

BASE CONTRACT AMOUNT:	\$4,313,225.00
Change Order No. 1	8,800.00
Change Order No. 2	-0-
Change Order No. 3	10,875.34
Change Order No. 4	-0-
Change Order No. 5	15,097.49
Change Order No. 6	11,760.02
Change Order No. 7	10,238.50
Change Order No. 8	<u>13,557.75</u>
Total Amount	\$4,383,554.10

<u>DATE OF</u> <u>PAYMENT</u>	<u>PAYEE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>	<u>REQ. NO.</u>
1/22/81	Carl E. Widell & Son	Pump Stn. Struct.& Mech.	\$ 82,488.42	1204
2/17/81	Carl E. Widell & Son	Pump Stn. Struct.& Mech.	91,074.75	1212
3/17/81	Carl E. Widell & Son	Pump Stn. Struct.& Mech.	34,275.75	1215
8/18/81	Carl E. Widell & Son	Pump Stn. Struct.& Mech.	7,733.75	1255

Total Payments 1981	\$ 215,572.67
Add: Previous Payments	<u>3,942,507.93</u>
Total Payments	\$4,158,080.60
Less: Eligible Payments 1980 Application	<u>\$3,942,507.93</u>
Net Eligible 1981 Application	<u>\$ 215,572.67</u>

ACT 339  
EXHIBIT NO. 1

DELCORA - EASTERN CONVEYANCE

EXHIBIT NO. 2

Contract No. 18B - Pump Station - Plumbing

Contract Awarded:  
Contractor:

November 17, 1978  
FLUIDICS, INC.  
P.O. Box 187  
Feasterville, PA 19047

TOTAL CONTRACT AMOUNT:	\$65,978.00
Change Order No. 1 (Muckinipates)	402.42
Change Order No. 1 ( Central D.C. PS)	<u>402.42</u>
Total Amount	<u>\$66,782.84</u>

<u>DATE OF PAYMENT NO.</u>	<u>PAYEE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>	<u>REQ.</u>
8/18/81	Fluidics, Inc.	Pump Station - Plumbing	\$ 5,902.64	1257
Total Payments 1981			\$ 5,902.64	
Add: Previous Payments			<u>\$60,340.20</u>	
Total Payments			\$66,242.84	
Less: Eligible 1980 Application			<u>60,340.20</u>	
Net Eligible 1981 Application			<u>\$ 5,902.64</u>	

ACT 339  
EXHIBIT NO. 2



DELCORA - EASTERN CONVEYANCE

EXHIBIT NO. 3

Contract No. 18C - Pump Station - HVAC

Contract Awarded:  
Contractor:

November 17, 1978  
FLUIDICS, INC.  
P.O. Box 187  
Feasterville, PA 19047

TOTAL CONTRACT AMOUNT: \$79,355.00

<u>DATE OF PAYMENT</u>	<u>PAYEE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>	<u>REQ. NO.</u>
8/18/81	Fluidics, Inc.	Pump Station - HVAC	\$ 6,386.00	1256
Total Payment 1981			\$ 6,386.00	
Add: Previous Payments			<u>71,934.00</u>	
Total Payments			\$78,320.00	
Less: Eligible Payment 1980 Application			<u>71,934.00</u>	
Net Eligible 1981 Application			\$ 6,386.00	

DELCORA - EASTERN CONVEYANCE

EXHIBIT NO. 4

Contract No. 18D - Pump Station - ELECTRICAL

Contract Awarded: November 16, 1978  
Contractor: PHILIPS BROTHERS ELECTRIC CONTRACTOR, INC.  
R.D. No. 1, Box 172 C  
Glenmoore, PA 19343

BASE CONTRACT AMOUNT: \$586,260.00

Change Order No. 1 (1,296.00)  
Change Order No. 2 3,011.96  
Change Order No. 3 4,912.65

BASE CONTRACT AMOUNT \$592,888.61

<u>DATE OF</u> <u>PAYMENT</u>	<u>PAYEE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>	<u>REQ. NO.</u>
1/22/81	Philips Brothers	Pump Station-Electrical	\$ 26,739.25	1203
2/17/81	Philips Brothers	Pump Station-Electrical	10,376.50	1229
Total Payments 1981			\$ 37,115.75	
Add: Previous Payments			<u>\$ 520,709.63</u>	
Total Payments			557,825.38	
Less: Eligible Payments 1980			<u>520,709.63</u>	
Net Eligible 1981 Application			<u><u>\$ 37,115.75</u></u>	

ACT 339  
EXHIBIT NO. 4

D E L C O R A

BROOMALL ST. P.S.

SEPTEMBER, 1978

M O N T H L Y Construction & Engineering Costs	Contract 25 P.S. Modifications Municipal Maintenance Co.
<u>1. Construction Costs</u>	
Base Bid	\$17,787.00
Approved Change Ord.	-0-
Total Contract Price	17,787.00
Total Earned to Date	17,787.00
Less Retainage	-0-
Net Amount Payable	17,787.00
Less: Amount Previously Paid	17,787.00
Total Due This Month	-0-
Days Allowed in Contract	CONTRACT
Days Used to Date	CLOSED
% Time Elapsed	OUT
% Construction Completed	100%
<u>2. Engineering Costs</u>	
Construction Surveillance	
Inspection	
Surveys	
Rights-of-Way	
Operation Manual	
Other	
Total Engineering	



006850  
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION III  
6TH AND WALNUT STREETS  
PHILADELPHIA, PENNSYLVANIA 19106

RECEIVED JUL 11 1984

REFER TO.....  
ANSWD.....

JUL 6 1984

Re: C-420675-02  
DELCORA  
Chester Conveyance System

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Mr. William C. Ross, Executive Director  
Delaware County Regional Water  
Quality Control Authority  
P.O. Box 999  
100 East Fifth Street  
Chester, PA 19016

Dear Mr. Ross:

The final audit of the referenced project has been completed. We have reviewed the findings of the report and have determined the final eligible costs to be \$8,686,140 with a Federal Share of \$6,514,605.

Since grant payments processed to date total \$5,874,300 there are no amounts due and the project has been paid in full. Since the previously approved grant amount is equal to \$5,874,300, it will be necessary to apply for a grant increase from the Pennsylvania Department of Environmental Resources for the additional \$640,305.

The summary of the final eligible project costs is as follows:

	<u>Claimed</u>	<u>Accepted</u>	<u>Questioned</u>
Administrative	\$ 40,396	\$ 29,575*	\$ 15,828
Engineering	738,159	646,394**	94,736
Construction	8,131,333	8,010,171***	436,683
Total	\$8,909,888	\$8,686,140	\$547,247

\*includes additional bond costs.

\*\*includes additional UC/ICR and O&M manual costs.

\*\*\*includes unclaimed change orders.

With regard to your December 30, 1982 and December, 1983 responses to the draft audit report, we offer the following comments:

Note 1 Schedule C-1

We have accepted \$8,203 in legal fees.

Note 2 Schedule C-1

We have accepted \$7040 in advertising costs using the as-bid proration.

The additional \$25,095 claimed for administrative work is not eligible because the costs are not supported by adequate accounting records.

Note 2(a) - Schedule C-2

We have accepted the \$9,955 incurred in travel expenses based on BCM's travel policy.

Note 2(b) - Schedule C-2

Based on the additional justification inspection costs to August 15, 1978 have been accepted. \$3,070 remains questioned and a construction eligibility factor of 84.81% has been accepted.

Note 3 - Schedule C-2

Based on additional information we can not accept the \$6,216 claimed as miscellaneous costs because these services appear to have been compensated for under basic services.

We have accepted \$12,000 for work on the user charge and ICR systems. We have also accepted the actual cost of the O & M manual - \$9,528.

Note 1 - Schedule C-3

A reevaluation of Change Order 19 resulted in the determination in that the extra pumping costs were due to lack of performance by grantee-owned and operated equipment and as such the Change Order is not eligible, likewise Change Order 17 (which directly related to Change Order 19) has also been determined to be not eligible.

Note 2 - Schedule C-3

The following change orders have been accepted in full: 56,69,74. For change order 1 \$22,335 is accepted and \$45,566 of change order 10 is accepted.

The following change orders are not eligible for funding:

- 8 - No information available to evaluate eligibility
- 9 - Investigation of existing sewers is not within the scope of the of the project.
- 54 - There appears to be conflicting information available for this change order. The change order itself states that brick manholes were necessary to operate and maintain a parallel sewer that was installed because of conflicting utilities, however, the information submitted in response to the draft audit says that the parallel sewer was not necessary and the brick manholes were put in at the authority's request to facilitate maintenance. Until this situation can be clarified we must question this change order.
- 59 - Not within project scope according to draft response.
- 65 - Same as No. 59.
- 70 - Routine problems and their maintenance (sewer surcharging) is not within scope of project.

Note 3 Schedule C-3

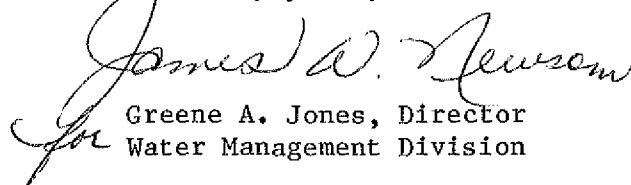
Change order 53 which added \$20,000 to contract 12 has been reevaluated - \$5,468 of the work is eligible for funding.

Should you disagree with this final determination, you are requested to notify this office within thirty (30) days from the date of this determination. Your response should briefly discuss the issue(s) in disagreement. Subsequently, this office will review the issue(s) in disagreement, contact you as necessary for additional information and then provide you with a final disputes decision.

The project will remain open until a decision can be made by the Pennsylvania Department of Environmental Resources regarding possible and additional funding. Your cooperation in completing this project is greatly appreciated.

If you have any questions, please contact Mrs. Barbara B. D'Angelo at (215) 597-9910.

Sincerely yours,

  
Greene A. Jones, Director  
Water Management Division

cc: Mr. Daniel Drawbaugh, DER  
Mr. Joseph A. Feola, DER  
BCM, Inc.