

A RESOLUTION ACCEPTING THE BID OF MICHAEL CONSTRUCTION COMPANY FOR CONTRACTS A AND B FOR THE STREETSBORO ROAD WATER MAIN PROJECT AND DECLARING AN EMERGENCY

WHEREAS, pursuant to advertisement, bids were received on February 23, 2001 for Contracts A and B of the Richfield-Streetsboro Road Water Main Project; and

WHEREAS, the Village Consulting Engineer has recommended the acceptance of the combined bids of Michael Construction Company for Contracts A and B as being the lowest and best bid.

NOW, THEREFORE, BE IT RESOLVED by the Council of the Village of Richfield, Summit County, State of Ohio:

SECTION 1. That the combined bids of Michael Construction Company for Contracts A and B for the Streetsboro Road Water Main Project in the total amount of \$557,248.00, being the lowest and best bid, be, and the same hereby is, accepted.

SECTION 2. This Resolution is hereby declared to be an emergency measure necessary for the immediate preservation of the public health, safety and welfare and for the further reason that it is immediately necessary in order to provide needed potable water to Village residents at the earliest possible time; wherefore, provided this Resolution receives the affirmative vote of two-thirds of the members of Council elected or appointed, it shall take effect immediately upon its passage and execution by the Mayor; otherwise, it shall take effect and be in force from and after the earliest period allowed by law.

PASSED: May 1, 2001

Michael Lyons
President of Council

Ronald W. Larsen
Mayor

Dated: 5/2/2001

ATTEST:
Carol Gibson
Clerk of Council

CONSULTING ENGINEERS
ESTABLISHED 1900
100 COURTHOUSE SQUARE
310 WEST LAKESIDE AVENUE
CLEVELAND, OHIO 44113-1021
216-781-6177
216-781-6243 FAX

March 19, 2001

Mayor and Council
Village of Richfield
4410 W. Streetsboro Road
Richfield, Ohio 44286

Re: Richfield, Ohio
Water Main Improvements

Dear Mayor and Council Members:



Bids were received on the above referenced project on Friday February 23, 2001. There were a total of 12 bidders. Each bidder provided a bid for both Contracts A and Contract B. The apparent low bid for Contract A – Streetsboro Road Water Main was Michael Construction Company of Akron, Ohio with a bid total of \$ 278,447. The apparent low bidder for Contract B – White Pine/Treelawn/Fox Run Water Mains was Mark's Trucking & Excavating of North Canton, Ohio with a bid total of \$ 257, 035. The apparent low combined bid was by Michael Construction Company with a bid total of \$ 557,248. Attached please find a copy of the bid tabulation for your use.

Our review of the documents indicated that the bid provided by the Michael Construction Company was conforming with one exception. Two unit prices, for granular backfill and rock excavation were proposed at \$ 0.02/cubic yard. This unit cost could render the bid as unbalanced. However, at Council's option this irregularity could be waived.

Our review of Mark's Trucking and Excavating resulted in the finding that the bidder did not identify that if a combined bid is not awarded to them whether they would accept an individual bid and which individual bid (contract A and/or Contract B) would they accept.

Our reference check on the Michael Construction Company indicated that the bidder has been in the municipal contracting business for a long time. His references indicated that the company have good reputation, capable field personnel, have adequate equipment and experience to perform the work. In all cases the references indicated that the work was timely and that they would not hesitate to award future work to them. It was apparent from the reference checks that the contractor is a responsible and responsive company.

Mark's trucking and Excavating have had a poor reputation after completing water main work in the Village in the early to mid 1990's. Many remember the poor performance and the unacceptable circumstances regarding equipment and material provided to the project that was not properly obtained. Based on the above, the situation was discussed with Mr. Charles Riehl, Law Director of the Village. It was our determination that because of Mark's Trucking and Excavating non-conforming bid,

Ms. Melanie Tibbs, Service Director
March 19, 2001
Page 2 of 2

and because of their past poor performance for the Village of Richfield, that Council could declare that Mark's Trucking and Excavating bid was not the lowest and best.

The second low bidder on Contract B, Fabrizi Trucking & Paving Company submitted a bid of \$ 278,660. The third low bid on Contract B was the Michael Construction Company with a bid of \$ 278,801. A difference of \$ 141 separated the two bids.

Based on the above, Mr. Riehl indicated that the lowest and best bid would be to award the construction contract for the combined bid amount of \$ 557,248 to the Michael Construction Company. Although awarding the combined bid would be \$141 higher than awarding individual bids to Michael Construction for Contract A and to Fabrizi Trucking for Contract B, having one contractor responsible for both projects would more beneficial to the Village than the \$ 141 savings.

Based on the above, we can see no reason for the Village of Richfield, not to award the construction contracts on the above referenced project to the Michael Construction Company for the combined bid of \$ 557,248.

If the Village is in agreement with the above, please complete the enclosed Notice of Award forms and return to our office for further processing. In the meantime, should you have any questions or comments, Please do not hesitate to contact the Writer.

Sincerely,



Said W. AbouAbdallah, P.E

SWA/

C: Ms. Melanie Tibbs, Richfield Service Director
Mr. Charles Riehl, Richfield Law Director

NOTICE OF AWARD

Dated _____

TO: Michael Construction Company
(BIDDER)

ADDRESS: 1569 Industrial Parkway
Akron, Ohio 44310

PROJECT: Water Main Improvements
(Insert name as it appears in the Bidding Documents)

OWNER'S CONTRACT NO. Contract A – Streetsboro Road Water Main and Contract B – White Pine/Tree Lawn/Fox Run Water Main

You are notified that your Bid dated February 23, 2001 For the above Contract has been considered. You are the apparent Successful Bidder and have been awarded a Contract for :

Contract A – Streetsboro Road Water Main

Contract B – White Pine/Treelawn/Fox Run Water Mains

(Indicate total Work, alternates or sections or Work awarded)

The Contract Price of your Contract is Five hundred fifty seven and two hundred forty eight dollars and No/100 Dollars (\$ 557,248.00).

5 Copies of each of the proposed Contract Documents (except Drawings) accompany this Notice of Award.
5 Sets of the Drawings will be delivered separately or otherwise made available to you immediately.

You must comply with the following conditions precedent within 10 days of the date you receive this Notice of Award.

1. Deliver to the OWNER, via ENGINEER, 5 fully executed counterparts of the Contract Documents.
2. Deliver with the executed Contract Documents the Contract security (Bonds) as specified in the Instructions to Bidders (Article 19), and General Conditions (paragraph 5.01).

FINKBEINER, PETTIS & STROUT, INC.

Consulting Engineers
520 South Main Street, Suite 2400
Akron, Ohio 44311-1010

Richfield, Ohio
Streetsboro Rd., White Pine, Treelawn, Fox Run
Water Main Improvements

BID TABULATION
FOR THE VILLAGE OF RICHFIELD, OHIO
BID OPENING AT 11:00 A.M., LOCAL TIME
FRIDAY, FEBRUARY 23, 2001

Michael Construction Co.
1569 Industrial Parkway
Akron, Ohio 44310
330-633-1377

Marks Trucking & Excavating
2870 Mt. Pleasant Rd.
N. Canton, Ohio 44720
330-494-3741

Fabrizi Trucking & Paving Co.
389 Columbia Rd.
Valley City, Ohio 44280-9799
330-273-2784

M. Digioia Co.
9621 York Alpha Dr.
North Royalton, Ohio 44133

ITEM	DESCRIPTION	ESTIMATED UNITS	UNIT	MICHAEL CONSTRUCTION CO.		MARKS TRUCKING & EXCAVATING		FABRIZI TRUCKING & PAVING CO.		M. DIGIOIA CO.	
				UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
CONTRACT A											
Section 02050 - Pre-Construction Video Taping											
1A	Pre-Construction Video Taping, lump sum	1	I.S.	\$250.00	\$250.00	\$150.00	\$150.00	\$1,000.00	\$1,000.00	\$900.00	\$900.00
Section 02225 - Trenching and Backfilling											
2A	Granular Backfill, per cubic yard	1,500	cu.yd.	\$0.02	\$30.00	\$8.00	\$12,000.00	\$20.00	\$30,000.00	\$15.00	\$22,500.00
Section 02229 - Rock Excavation											
3A	Rock Excavation, per cubic yard	100	cu.yd.	\$0.02	\$2.00	\$2.00	\$200.00	\$40.00	\$4,000.00	\$20.00	\$2,000.00
Section 02360 - Steel Encasement Pipe											
4A	12 inch Water Main in 24 inch Steel Encasement Pipe, Bored, per lineal foot	45	lin.ft.	\$200.00	\$9,000.00	\$120.00	\$5,400.00	\$275.00	\$12,375.00	\$250.00	\$11,250.00
5A	12 inch Water Main in 24 inch Steel Encasement Pipe, Open Cut, per lineal foot	220	lin. Ft.	\$120.00	\$26,400.00	\$85.00	\$18,700.00	\$75.00	\$16,500.00	\$60.00	\$13,200.00
Section 02576 - Existing Pavement Replacement											
6A	Temporary Pavement, per square yard	35	sq.yd.	\$40.00	\$1,400.00	\$60.00	\$2,100.00	\$20.00	\$700.00	\$25.00	\$875.00
7A	ODOT Item 301, Bituminous Aggregate Base, per cubic yard	6	cu.yd.	\$100.00	\$600.00	\$70.00	\$420.00	\$200.00	\$1,200.00	\$60.00	\$360.00
8A	ODOT Item 402, Asphalt Concrete, per cubic yard	3	cu.yd.	\$100.00	\$300.00	\$70.00	\$210.00	\$200.00	\$600.00	\$75.00	\$225.00
9A	ODOT Item 404, Asphalt Concrete, per cubic yard	10	cu.yd.	\$100.00	\$1,000.00	\$75.00	\$750.00	\$200.00	\$2,000.00	\$90.00	\$900.00
10A	ODOT Item 452, Plain Portland Cement Concrete Pavement, per cubic yard	5	cu.yd.	\$100.00	\$500.00	\$120.00	\$600.00	\$250.00	\$1,250.00	\$175.00	\$875.00
Section 02667 - Water Mains											
11A	12 inch DIP Water Main, per lineal foot	4,060	lin. Ft.	\$39.00	\$158,340.00	\$40.50	\$164,430.00	\$35.00	\$142,100.00	\$43.00	\$174,580.00
12A	8 inch DIP Water Main, per lineal foot	80	lin. Ft.	\$66.00	\$5,280.00	\$67.00	\$5,360.00	\$29.00	\$2,320.00	\$36.00	\$2,880.00
13A	12 inch Gate Valve and Valve Box, each	8	each	\$900.00	\$7,200.00	\$1,150.00	\$9,200.00	\$1,200.00	\$9,600.00	\$900.00	\$7,200.00
14A	8 inch Gate Valve and Valve Box, each	1	each	\$900.00	\$900.00	\$700.00	\$700.00	\$650.00	\$650.00	\$650.00	\$650.00
15A	Fire Hydrant Assembly Complete, Type A, each	4	each	\$2,300.00	\$9,200.00	\$2,000.00	\$8,000.00	\$1,950.00	\$7,800.00	\$1,800.00	\$7,200.00
16A	Fire Hydrant Assembly Complete, Type B, each	9	each	\$2,300.00	\$20,700.00	\$2,100.00	\$18,900.00	\$2,050.00	\$18,450.00	\$1,850.00	\$16,650.00
17A	1 inch Service Connection Pipe, Open Cut, per lineal foot	400	lin.ft.	\$6.00	\$2,400.00	\$25.00	\$10,000.00	\$13.00	\$5,200.00	\$6.00	\$2,400.00
18A	1 inch Service Connection Pipe, Bored, per lineal foot	500	lin.ft.	\$22.00	\$11,000.00	\$40.00	\$20,000.00	\$18.00	\$9,000.00	\$9.00	\$4,500.00

Richfield, Ohio		FINKBEINER, PETTIS & STROUT, INC.									
Streetsboro Rd., White Pine, Treelawn, Fox Run		Consulting Engineers									
Water Main Improvements		520 South Main Street, Suite 2400									
810 TABULATION		Akron, Ohio 44311-1010									
FOR THE VILLAGE OF RICHFIELD, OHIO		M. Digiola Co.									
BID OPENING AT 11:00 A.M., LOCAL TIME		9621 York Alpha Dr.									
FRIDAY, FEBRUARY 23, 2001		North Royalton, Ohio 44133									
		Michael Construction Co.		Marks Trucking & Excavating		Fabrizi Trucking & Paving Co.					
		1569 Industrial Parkway		2870 Mt. Pleasant Rd.		389 Columbia Rd.					
		Akron, Ohio 44310		N. Canton, Ohio 44720		Valley City, Ohio 44280-9759					
		330-633-1377		330-494-3741		330-273-2784					
ESTIMATED UNITS	DESCRIPTION	UNIT	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	TOTAL PRICE
27	19A Service Connection Assembly, each	each	\$170.00	\$4,590.00	\$390.00	\$10,530.00	\$300.00	\$8,100.00	\$350.00	\$9,450.00	\$9,450.00
1	20A 12 inch Regulator Assembly and Vault, Complete, each	each	\$15,000.00	\$15,000.00	\$32,900.00	\$32,900.00	\$32,000.00	\$32,000.00	\$31,000.00	\$31,000.00	\$31,000.00
	Section 02750 - Existing Sewer and Drain Replacement										
250	21A 6 inch Diameter and Smaller	lin.ft.	\$0.02	\$5.00	\$23.00	\$5,750.00	\$10.00	\$2,500.00	\$9.00	\$2,250.00	\$2,250.00
50	22A 8 inch Thru 12 inch Diameter	lin.ft.	\$60.00	\$3,000.00	\$29.00	\$1,450.00	\$20.00	\$1,000.00	\$14.00	\$700.00	\$700.00
25	23A 15 inch Thru 21 inch Diameter	lin.ft.	\$70.00	\$1,750.00	\$35.00	\$875.00	\$30.00	\$750.00	\$20.00	\$500.00	\$500.00
25	24A 24 inch Diameter and Larger	lin.ft.	\$80.00	\$2,000.00	\$45.00	\$1,125.00	\$40.00	\$1,000.00	\$27.00	\$675.00	\$675.00
	CONTRACT A. TOTAL BID, IN FIGURES			\$278,447.00		\$329,750.00		\$310,095.00		\$313,720.00	\$313,720.00
	MATH ERROR										
	CONTRACT B										
	Section 02050 - Pre-Construction Video Taping										
1	1B Pre-Construction Video Taping, lump sum	l.s.	\$250.00	\$250.00	\$500.00	\$500.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00
	Section 02225 - Trenching and Backfilling										
1,950	2B Granular Backfill, per cubic yard	cu.yd.	\$0.02	\$39.00	\$8.00	\$15,600.00	\$20.00	\$39,000.00	\$15.00	\$29,250.00	\$29,250.00
	Section 02229 - Rock Excavation										
100	3B Rock Excavation, per cubic yard	cu.yd.	\$0.02	\$2.00	\$5.00	\$500.00	\$40.00	\$4,000.00	\$20.00	\$2,000.00	\$2,000.00
	Section 02360 - Steel Encasement Pipe										
6	4B 8 inch Water Main in 18 inch Steel Encasement Pipe, Open Cut, per lineal foot	lin. Ft.	\$100.00	\$600.00	\$50.00	\$300.00	\$60.00	\$360.00	\$50.00	\$300.00	\$300.00
	Section 02576 - Existing Pavement Replacement										
36	5B Temporary Pavement, per square yard	sq.yd.	\$40.00	\$1,440.00	\$80.00	\$2,880.00	\$20.00	\$720.00	\$25.00	\$900.00	\$900.00
6	6B ODOT Item 301, Bituminous Aggregate Base, per cubic yard	cu.yd.	\$100.00	\$600.00	\$100.00	\$600.00	\$200.00	\$1,200.00	\$60.00	\$360.00	\$360.00
3	7B ODOT Item 402, Asphalt Concrete, per cubic yard	cu.yd.	\$100.00	\$300.00	\$100.00	\$300.00	\$200.00	\$600.00	\$75.00	\$225.00	\$225.00
10	8B ODOT Item 404, Asphalt Concrete, per cubic yard	cu.yd.	\$100.00	\$1,000.00	\$120.00	\$1,200.00	\$200.00	\$2,000.00	\$90.00	\$900.00	\$900.00
6	9B ODOT Item 452, Plain Portland Cement Concrete Pavement, per cubic yard	cu.yd.	\$100.00	\$600.00	\$140.00	\$840.00	\$250.00	\$1,500.00	\$175.00	\$1,050.00	\$1,050.00
	Section 02667 - Water Mains										

Richfield, Ohio Streetsboro Rd., White Pine, Treelawn, Fox Run Water Main Improvements										FINKBEINER, PETTIS & STROUT, INC. Consulting Engineers 520 South Main Street, Suite 2400 Akron, Ohio 44311-1010									
BID TABULATION FOR THE VILLAGE OF RICHFIELD, OHIO BID OPENING AT 11:00 A.M., LOCAL TIME FRIDAY, FEBRUARY 23, 2001										Michael Construction Co. 1569 Industrial Parkway Akron, Ohio 44310 330-633-1377									
Marks Trucking & Excavating 2870 Mt. Pleasant Rd. N. Canton, Ohio 44720 330-494-3741										Fabrizi Trucking & Paving Co. 389 Columbia Rd. Valley City, Ohio 44280-9799 330-273-2784									
M. Digiolo Co. 9621 York Alpha Dr. North Royalton, Ohio 44133																			
ESTIMATED UNITS	DESCRIPTION	UNIT	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE					
5,560	8 inch DJP Water Main, per lineal foot	lin. ft.	\$35.00	\$194,600.00	\$22.75	\$126,490.00	\$26.50	\$147,340.00	\$36.00	\$200,160.00									
8	8 inch Gate Valve and Valve Box, each	each	\$900.00	\$7,200.00	\$600.00	\$4,800.00	\$650.00	\$5,200.00	\$650.00	\$5,200.00									
7	Fire Hydrant Assembly Complete, Type A, each	each	\$2,300.00	\$16,100.00	\$2,000.00	\$14,000.00	\$1,900.00	\$13,300.00	\$1,750.00	\$12,250.00									
9	Fire Hydrant Assembly Complete, Type B, each	each	\$2,300.00	\$20,700.00	\$2,000.00	\$18,000.00	\$1,950.00	\$17,550.00	\$1,800.00	\$16,200.00									
620	1 inch Service Connection Pipe, Open Cut, per lineal foot	lin. ft.	\$6.00	\$3,720.00	\$25.00	\$15,500.00	\$13.00	\$8,060.00	\$6.00	\$3,720.00									
860	1 inch Service Connection Pipe, Bored, per lineal foot	lin. ft.	\$20.00	\$17,200.00	\$30.00	\$25,800.00	\$18.00	\$15,480.00	\$9.00	\$7,740.00									
55	Service Connection Assembly, each	each	\$170.00	\$9,350.00	\$390.00	\$21,450.00	\$300.00	\$16,500.00	\$350.00	\$19,250.00									
250	6 inch Diameter and Smaller	lin. ft.	\$10.00	\$2,500.00	\$20.00	\$5,000.00	\$10.00	\$2,500.00	\$9.00	\$2,250.00									
50	8 inch Thru 12 inch Diameter	lin. ft.	\$18.00	\$900.00	\$28.00	\$1,400.00	\$20.00	\$1,000.00	\$14.00	\$700.00									
25	15 inch Thru 21 inch Diameter	lin. ft.	\$32.00	\$800.00	\$45.00	\$1,125.00	\$30.00	\$750.00	\$20.00	\$500.00									
15	24 inch Diameter and Larger	lin. ft.	\$60.00	\$900.00	\$50.00	\$750.00	\$40.00	\$600.00	\$27.00	\$405.00									
CONTRACT B, TOTAL BID, IN FIGURES										\$278,801.00	\$257,035.00	\$278,660.00		\$304,360.00					
COMBINED A & B TOTAL										\$557,248.00	\$586,785.00	\$588,755.00		\$618,080.00					
COMBINED CONTRACT PERCENT (%) REDUCTION										\$	\$	\$	-2%	\$12,361.60					
REVISED TOTAL										\$557,248.00	\$586,785.00	\$588,755.00		\$605,718.40					
MATH ERROR																			
SUPPLEMENTARY SCHEDULE OF UNIT PRICES																			
E.	Earth Excavation, Including backfill	2225	cu. yd.	\$9.00	\$15.00	\$8.00	\$7.00												
E1.	Earth Excavation, Including disposal	2225	cu. yd.	\$22.00	\$20.00	\$12.00	\$13.00												
C1.	Class I Concrete w/out reinforcing steel (slab or unfor.)	03301	cu. yd.	\$200.00	\$110.00	\$175.00	\$125.00												
C2	Class II Concrete	03301	cu. yd.	\$200.00	\$100.00	\$200.00	\$65.00												
R.	Reinforcing Steel	03901	lbs.	\$300.00	\$4.00	\$1.00	\$0.50												
B	Granular Backfill	2225	cu. yd.	\$50.00	\$30.00	\$25.00	\$20.00												
F	Fire Hydrant Barrel and Stem Extension	2667	lin. ft.	\$1,200.00	\$800.00	\$300.00	\$300.00												

FINKBEINER, PETTIS & STROUT, INC.
 Consulting Engineers
 520 South Main Street, Suite 2400
 Akron, Ohio 44311-1010

Richfield, Ohio
Streetsboro Rd., White Pine, Treelawn, Fox Run
Water Main Improvements
 BID TABULATION
 FOR THE VILLAGE OF RICHFIELD, OHIO
 BID OPENING AT 11:00 A.M., LOCAL TIME
 FRIDAY, FEBRUARY 23, 2001

ESTIMATED UNITS	DESCRIPTION	DDD Enterprises		Maintenance Unlimited Inc.		Thomas Asphalt Paving Co.		K&H Excavating	
		UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
	CONTRACT A								
1A	Pre-Construction Video Taping, lump sum	1	\$4,050.00	\$876.00	\$876.00	\$2,000.00	\$2,000.00	\$3,000.00	\$3,000.00
2A	Section 02225 - Trenching and Backfilling	1,500	\$20.00	\$30,000.00	\$22.80	\$34,200.00	\$21.00	\$31,500.00	\$24.00
3A	Section 02229 - Rock Excavation	100	\$35.00	\$3,500.00	\$28.00	\$2,800.00	\$100.00	\$10,000.00	\$50.00
4A	Section 02360 - Steel Encasement Pipe	45	\$230.00	\$10,350.00	\$325.62	\$14,652.90	\$749.00	\$33,705.00	\$254.00
5A	Section 02576 - Existing Pavement Replacement	220	\$80.00	\$17,600.00	\$76.91	\$16,920.20	\$71.00	\$15,620.00	\$92.00
6A	Temporary Pavement, per square yard	35	\$20.00	\$700.00	\$30.00	\$1,050.00	\$35.00	\$1,225.00	\$12.00
7A	ODOT Item 301, Bituminous Aggregate Base, per cubic yard	6	\$120.00	\$720.00	\$125.00	\$750.00	\$200.00	\$1,200.00	\$140.00
8A	ODOT Item 402, Asphalt Concrete, per cubic yard	3	\$140.00	\$420.00	\$140.00	\$420.00	\$200.00	\$600.00	\$150.00
9A	ODOT Item 404, Asphalt Concrete, per cubic yard	10	\$160.00	\$1,600.00	\$140.00	\$1,400.00	\$200.00	\$2,000.00	\$170.00
10A	ODOT Item 452, Plain Portland Cement Concrete Pavement, per cubic yard	5	\$250.00	\$1,250.00	\$252.00	\$1,260.00	\$200.00	\$1,000.00	\$180.00
11A	Section 02667 - Water Mains	4,060	\$40.00	\$162,400.00	\$39.47	\$160,248.20	\$35.50	\$144,130.00	\$37.50
12A	12 inch DIP Water Main, per lineal foot	80	\$35.00	\$2,800.00	\$79.88	\$6,390.40	\$28.50	\$2,280.00	\$28.00
13A	12 inch Gate Valve and Valve Box, each	8	\$1,100.00	\$8,800.00	\$1,269.22	\$10,153.76	\$1,300.00	\$10,400.00	\$1,500.00
14A	8 inch Gate Valve and Valve Box, each	1	\$700.00	\$700.00	\$765.25	\$765.25	\$700.00	\$700.00	\$1,000.00
15A	Fire Hydrant Assembly Complete, Type A, each	4	\$2,100.00	\$8,400.00	\$2,586.07	\$10,344.28	\$2,500.00	\$10,000.00	\$2,300.00
16A	Fire Hydrant Assembly Complete, Type B, each	9	\$2,100.00	\$18,900.00	\$2,808.73	\$25,278.57	\$2,650.00	\$23,850.00	\$2,300.00
17A	1 inch Service Connection Pipe, Open Cut, per lineal foot	400	\$15.00	\$6,000.00	\$10.17	\$4,068.00	\$9.00	\$3,600.00	\$13.00
18A	1 inch Service Connection Pipe, Bored, per lineal foot	500	\$25.00	\$12,500.00	\$14.12	\$7,060.00	\$9.00	\$4,500.00	\$16.00

FINKBEINER, PETTIS & STROUT, INC.
 Consulting Engineers
 520 South Main Street, Suite 2400
 Akron, Ohio 44311-1010

Richfield, Ohio
 Streetsboro Rd., White Pine, Treelawn, Fox Run
 Water Main Improvements

BID TABULATION
 FOR THE VILLAGE OF RICHFIELD, OHIO
 BID OPENING AT 11:00 A.M., LOCAL TIME
 FRIDAY, FEBRUARY 23, 2001

ITEM NO.	DESCRIPTION	ESTIMATED UNITS	UNIT	DDD Enterprises		Maintenance Unlimited Inc.		Thomas Asphalt Paving Co.		K&H Excavating	
				UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
19A	Service Connection Assembly, each 12 inch Regulator Assembly and Vault, Complete, each	27	each	\$400.00	\$10,800.00	\$435.85	\$11,767.95	\$750.00	\$20,250.00	\$650.00	\$17,550.00
20A	Section 02750 - Existing Sewer and Drain Replacement	1	each	\$33,000.00	\$33,000.00	\$41,362.32	\$41,362.32	\$39,850.00	\$39,850.00	\$34,500.00	\$34,500.00
21A	6 inch Diameter and Smaller	250	lin.ft.	\$10.00	\$2,500.00	\$15.75	\$3,937.50	\$10.00	\$2,500.00	\$25.00	\$6,250
22A	8 inch Thru 12 inch Diameter	50	lin.ft.	\$14.00	\$700.00	\$23.25	\$1,162.50	\$14.00	\$700.00	\$28.00	\$1,400.00
23A	15 inch Thru 21 inch Diameter	25	lin.ft.	\$20.00	\$500.00	\$32.40	\$810.00	\$20.00	\$500.00	\$45.00	\$1,125.00
24A	24 inch Diameter and Larger	25	lin.ft.	\$30.00	\$750.00	\$39.05	\$976.25	\$26.75	\$668.75	\$50.00	\$1,250.00
CONTRACT A TOTAL BID, IN FIGURES					\$338,940.00		\$358,654.08		\$362,778.75		\$352,645.00
MATH ERROR											

CONTRACT B											
ITEM NO.	DESCRIPTION	ESTIMATED UNITS	UNIT	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
Section 02050 - Pre-Construction Video Taping											
1B	Pre-Construction Video Taping, lump sum	1	i.s.	\$3,500.00	\$3,500.00	\$903.37	\$903.37	\$2,000.00	\$2,000.00	\$3,000.00	\$3,000.00
Section 02225 - Trenching and Backfilling											
2B	Granular Backfill, per cubic yard	1,950	cu.yd.	\$20.00	\$39,000.00	\$22.80	\$44,460.00	\$21.00	\$40,950.00	\$24.00	\$46,800.00
Section 02229 - Rock Excavation											
3B	Rock Excavation, per cubic yard	100	cu.yd.	\$35.00	\$3,500.00	\$28.00	\$2,800.00	\$100.00	\$10,000.00	\$50.00	\$5,000.
Section 02360 - Steel Encasement Pipe											
4B	8 inch Water Main in 18 inch Steel Encasement Pipe, Open Cut, per lineal foot	6	lin. Ft.	\$45.00	\$270.00	\$306.64	\$1,839.84	\$245.00	\$1,470.00	\$50.00	\$300.00
Section 02576 - Existing Pavement Replacement											
5B	Temporary Pavement, per square yard	36	sq.yd.	\$20.00	\$720.00	\$30.00	\$1,080.00	\$35.00	\$1,260.00	\$12.00	\$432.00
6B	ODOT Item 301, Bituminous Aggregate Base, per cubic yard	6	cu.yd.	\$120.00	\$720.00	\$125.00	\$750.00	\$200.00	\$1,200.00	\$140.00	\$840.00
7B	ODOT Item 402, Asphalt Concrete, per cubic yard	3	cu.yd.	\$140.00	\$420.00	\$140.00	\$420.00	\$200.00	\$600.00	\$150.00	\$450.00
8B	ODOT Item 404, Asphalt Concrete, per cubic yard	10	cu.yd.	\$160.00	\$1,600.00	\$140.00	\$1,400.00	\$200.00	\$2,000.00	\$170.00	\$1,700.00
9B	ODOT Item 452, Plain Portland Cement Concrete Pavement, per cubic yard	6	cu.yd.	\$250.00	\$1,500.00	\$252.00	\$1,512.00	\$200.00	\$1,200.00	\$180.00	\$1,080.00
Section 02667 - Water Mains											

FINKBEINER, PETTIS & STROUT, INC.
 Consulting Engineers
 520 South Main Street, Suite 2400
 Akron, Ohio 44311-1010

Richfield, Ohio
Streetsboro Rd., White Pine, Treelawn, Fox Run
Water Main Improvements
 BID TABULATION
 FOR THE VILLAGE OF RICHFIELD, OHIO
 BID OPENING AT 11:00 A.M., LOCAL TIME
 FRIDAY, FEBRUARY 23, 2001

DESCRIPTION	ESTIMATED UNITS	UNIT	DDD Enterprises		Maintenance Unlimited Inc.		Thomas Asphalt Paving Co.		K&H Excavating	
			UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
10B 8 inch DIP Water Main, per lineal foot	5,560	lin. Ft.	\$27.00	\$150,120.00	\$29.51	\$164,075.60	\$28.50	\$158,460.00	\$28.00	\$155,680.00
11B 18 inch Gate Valve and Valve Box, each	8	each	\$700.00	\$5,600.00	\$725.07	\$5,800.56	\$632.50	\$5,060.00	\$1,000.00	\$8,000.00
12B Fire Hydrant Assembly Complete, Type A, each	7	each	\$1,800.00	\$12,600.00	\$2,586.07	\$18,102.49	\$2,500.00	\$17,500.00	\$2,300.00	\$16,100.00
13B Fire Hydrant Assembly Complete, Type B, each	9	each	\$1,800.00	\$16,200.00	\$2,808.73	\$25,278.57	\$2,650.00	\$23,850.00	\$2,300.00	\$20,700.00
14B 1 inch Service Connection Pipe, Open Cut, per lineal foot	620	lin.ft.	\$15.00	\$9,300.00	\$10.17	\$6,305.40	\$9.00	\$5,580.00	\$13.00	\$8,060.00
15B 1 inch Service Connection Pipe, Bored, per lineal foot	860	lin.ft.	\$25.00	\$21,500.00	\$14.12	\$12,143.20	\$9.00	\$7,740.00	\$17.00	\$14,620.00
16B Service Connection Assembly, each	55	each	\$400.00	\$22,000.00	\$435.85	\$23,971.75	\$75.00	\$4,125.00	\$650.00	\$35,750.00
Section 02750 - Existing Sewer and Drain Replacement										
17B 6 inch Diameter and Smaller	250	lin.ft.	\$10.00	\$2,500.00	\$15.75	\$3,937.50	\$10.00	\$2,500.00	\$25.00	\$6,250.00
18B 8 inch Thru 12 inch Diameter	50	lin.ft.	\$14.00	\$700.00	\$23.25	\$1,162.50	\$14.00	\$700.00	\$28.00	\$1,400.00
19B 15 inch Thru 21 inch Diameter	25	lin.ft.	\$20.00	\$500.00	\$39.05	\$976.25	\$20.00	\$500.00	\$45.00	\$1,125.00
20B 24 inch Diameter and Larger	15	lin.ft.	\$30.00	\$450.00	\$39.05	\$585.75	\$26.50	\$397.50	\$50.00	\$750.00
CONTRACT B, TOTAL BID, IN FIGURES				\$292,700.00		\$317,504.78		\$287,092.50		\$328,037.00
COMBINED A & B TOTAL				\$631,640.00		\$676,158.86		\$649,871.25		\$680,682.00
COMBINED CONTRACT PERCENT (%) REDUCTION			-1%	\$6,316.40	-2%	\$13,523.18	\$		-2%	\$13,613.64
REVISED TOTAL				\$625,323.60		\$662,635.68		\$649,871.25		\$667,068.36
MATH ERROR										

SUPPLEMENTARY SCHEDULE OF UNIT PRICES		
E.	Earth Excavation, Including backfill	2225 cu. yd. \$15.00
E1.	Earth Excavation, Including disposal	2225 cu. yd. \$21.00
C1.	Class I Concrete w/out reinforcing steel (slab or unfor.)	03301 cu. yd. \$360.00
C2.	Class II Concrete	03301 cu. yd. \$250.00
R.	Reinforcing Steel	03301 lbs. \$0.47
B.	Granular Backfill	2225 cu. yd. \$21.00
F.	Fire Hydrant Barrel and Stem Extension	2667 lin. ft. \$250.00

Richfield, Ohio Streetsboro Rd., White Pine, Treelawn, Fox Run Water Main Improvements		FINKBEINER, PETTIS & STROUT, INC. Consulting Engineers 520 South Main Street, Suite 2400 Akron, Ohio 44311-1010									
W	DESCRIPTION	ESTIMATED UNITS	UNIT	DDD Enterprises 7620 Broad St. Glenwillow, Ohio 44139 440-439-7550		Maintenance Unlimited Inc. 14800 Foltz Industrial Pkwy. Strongsville, Ohio 44136-4725 440-238-1162		Thomas Asphalt Paving Co. P.O. Box 611, 1234 Boel Dr. Kent, Ohio 44240 330-673-2939		K&H Excavating 3432 State Rd, Suite A, P.O. Box 3198 Cuyahoga Falls, Ohio 44223 330-923-5193	
				UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
	Wood Supports and Bracing (per thousand feet, board measure)	02225.02750	M/bm		\$1,000.00		\$610.00		\$450.00		\$200.00
	BID GUARANTY BOND (100%) CERTIFIED CHECK (10%)			XX		XX		XX		XX	
BASE BID MANUFACTURERS											
02667	Fire Hydrants			(X) Clow		(X) Clow		(X) Clow		(X) Clow	
ADD TO/DEDUCT FROM BASE BID											
02667	Fire Hydrants									Muller Deduct \$580.00	

FINKBEINER, PETTIS & STROUT, INC.
 Consulting Engineers
 520 South Main Street, Suite 2400
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Richfield, Ohio
Streetsboro Rd., White Pine, Treelawn, Fox Run
Water Main Improvements
 BID TABULATION
 FOR THE VILLAGE OF RICHFIELD, OHIO
 BID OPENING AT 11:00 A.M., LOCAL TIME
 FRIDAY, FEBRUARY 23, 2001

ITEM NO.	DESCRIPTION	ESTIMATED UNITS	UNIT	Don Wanko Construction, Inc.		Underground Utilities		Fox Construction & Equipment		AJC Construction Co., Inc.	
				UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
	CONTRACT A										
1A	Pre-Construction Video Taping, lump sum	1	I.S.	\$500.00	\$500.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$50.00	\$50.00
2A	Section 02225 - Trenching and Backfilling	1,500	cu.yd.	\$28.00	\$42,000.00	\$1.00	\$1,500.00	\$24.00	\$36,000.00	\$23.00	\$34,500.00
3A	Rock Excavation, per cubic yard	100	cu.yd.	\$30.00	\$3,000.00	\$1.00	\$100.00	\$50.00	\$5,000.00	\$5.00	\$500.00
4A	Section 02360 - Steel Encasement Pipe 12 inch Water Main in 24 inch Steel Encasement Pipe, Bored, per lineal foot	45	lin.ft.	\$695.00	\$31,275.00	\$270.00	\$12,150.00	\$262.00	\$11,790.00	\$600.00	\$27,000.00
5A	12 inch Water Main in 24 inch Steel Encasement Pipe, Open Cut, per lineal foot	220	lin. Ft.	\$102.00	\$22,440.00	\$85.00	\$18,700.00	\$111.00	\$24,420.00	\$195.00	\$29,700.00
6A	Section 02576 - Existing Pavement Replacement Temporary Pavement, per square yard ODOT Item 301, Bituminous Aggregate Base, per cubic yard	35	sq.yd.	\$40.00	\$1,400.00	\$15.00	\$525.00	\$14.00	\$490.00	\$2.00	\$70.00
7A	ODOT Item 402, Asphalt Concrete, per cubic yard	6	cu.yd.	\$250.00	\$1,500.00	\$400.00	\$2,400.00	\$125.00	\$750.00	\$70.00	\$420.00
8A	ODOT Item 404, Asphalt Concrete, per cubic yard	3	cu.yd.	\$256.00	\$768.00	\$400.00	\$1,200.00	\$125.00	\$375.00	\$70.00	\$210.00
9A	ODOT Item 452, Plain Portland Cement Concrete Pavement, per cubic yard	10	cu.yd.	\$256.00	\$2,560.00	\$500.00	\$5,000.00	\$125.00	\$1,250.00	\$80.00	\$800.00
10A	Section 02667 - Water Mains	5	cu.yd.	\$120.00	\$600.00	\$500.00	\$2,500.00	\$165.00	\$825.00	\$200.00	\$1,000.00
11A	12 inch DIP Water Main, per lineal foot	4,060	lin. Ft.	\$42.25	\$171,535.00	\$33.80	\$137,228.00	\$44.50	\$180,670.00	\$49.00	\$198,940.00
12A	8 inch DIP Water Main, per lineal foot	80	lin. Ft.	\$55.00	\$4,400.00	\$50.00	\$4,000.00	\$171.00	\$13,680.00	\$50.00	\$4,000.00
13A	12 inch Gate Valve and Valve Box, each	8	each	\$1,145.00	\$9,160.00	\$1,400.00	\$11,200.00	\$1,000.00	\$8,000.00	\$1,100.00	\$8,800.00
14A	8 inch Gate Valve and Valve Box, each	1	each	\$660.00	\$660.00	\$900.00	\$900.00	\$510.00	\$510.00	\$600.00	\$600.00
15A	Fire Hydrant Assembly Complete, Type A, each	4	each	\$2,100.00	\$8,400.00	\$3,000.00	\$12,000.00	\$1,541.00	\$6,164.00	\$2,100.00	\$8,400.00
16A	Fire Hydrant Assembly Complete, Type B, each	9	each	\$2,180.00	\$19,620.00	\$3,200.00	\$28,800.00	\$2,410.00	\$21,690.00	\$2,200.00	\$19,800.00
17A	1 inch Service Connection Pipe, Open Cut, per lineal foot	400	lin.ft.	\$7.65	\$3,060.00	\$13.00	\$5,200.00	\$14.00	\$5,600.00	\$20.00	\$8,000.00
18A	1 inch Service Connection Pipe, Bored, per lineal foot	500	lin.ft.	\$9.65	\$4,825.00	\$13.00	\$6,500.00	\$21.00	\$10,500.00	\$25.00	\$12,500.00

FINKBEINER, PETTIS & STROUT, INC.
 Consulting Engineers
 520 South Main Street, Suite 2400
 Akron, Ohio 44311-1010

Richfield, Ohio
Streetsboro Rd., White Pine, Treelawn, Fox Run
Water Main Improvements

ITEM NO.	DESCRIPTION	ESTIMATED UNITS	UNIT	Don Wartko Construction, Inc.		Underground Utilities		Fox Construction & Equipment		AJC Construction Co., Inc.	
				UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
19A	Service Connection Assembly, each	27	each	\$525.00	\$14,175.00	\$4,000.00	\$108,000.00	\$465.00	\$12,555.00	\$200.00	\$5,400.00
20A	12 inch Regulator Assembly and Vault, Complete, each	1	each	\$40,000.00	\$40,000.00	\$40,000.00	\$40,000.00	\$52,144.00	\$52,144.00	\$43,000.00	\$43,000.00
	Section 02750 - Existing Sewer and Drain Replacement										
21A	6 inch Diameter and Smaller	250	lin.ft.	\$7.00	\$1,750.00	\$8.00	\$2,000.00	\$13.50	\$3,375.00	\$5.00	\$1,250.00
22A	8 inch Thru 12 inch Diameter	50	lin.ft.	\$15.00	\$750.00	\$25.00	\$1,250.00	\$19.00	\$950.00	\$10.00	\$500.00
23A	15 inch Thru 21 inch Diameter	25	lin.ft.	\$27.00	\$675.00	\$35.00	\$875.00	\$31.00	\$775.00	\$15.00	\$375.00
24A	24 inch Diameter and Larger	25	lin.ft.	\$50.00	\$1,250.00	\$40.00	\$1,000.00	\$46.00	\$1,150.00	\$25.00	\$625.00
	CONTRACT A, TOTAL BID, IN FIGURES				\$386,303.00		\$404,028.00		\$399,663.00		\$406,440.00
	MATH ERROR										

ITEM NO.	DESCRIPTION	ESTIMATED UNITS	UNIT	CONTRACT B		CONTRACT A, TOTAL BID, IN FIGURES	
				UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
1B	Pre-Construction Video Taping, lump sum	1	l.s.	\$600.00	\$600.00	\$1,000.00	\$1,000.00
2B	Granular Backfill, per cubic yard	1,950	cu.yd.	\$28.00	\$54,600.00	\$1.00	\$1,950.00
3B	Rock Excavation, per cubic yard	100	cu.yd.	\$30.00	\$3,000.00	\$1.00	\$100.00
4B	8 inch Water Main in 18 inch Steel Encasement Pipe, Open Cut, per lineal foot	6	lin. Ft.	\$62.00	\$372.00	\$160.00	\$960.00
5B	Temporary Pavement, per square yard	36	sq.yd.	\$40.00	\$1,440.00	\$15.00	\$540.00
6B	ODOT Item 301, Bituminous Aggregate Base, per cubic yard	6	cu.yd.	\$250.00	\$1,500.00	\$400.00	\$2,400.00
7B	ODOT Item 402, Asphalt Concrete, per cubic yard	3	cu.yd.	\$266.00	\$798.00	\$400.00	\$1,200.00
8B	ODOT Item 404, Asphalt Concrete, per cubic yard	10	cu.yd.	\$256.00	\$2,560.00	\$500.00	\$5,000.00
9B	ODOT Item 452, Plain Portland Cement Concrete Pavement, per cubic yard	6	cu.yd.	\$120.00	\$720.00	\$500.00	\$3,000.00
	Section 02667 - Water Mains						

Richfield, Ohio Streetsboro Rd., White Pine, Treelawn, Fox Run Water Main Improvements		FINKBEINER, PETTIS & STROUT, INC. Consulting Engineers 520 South Main Street, Suite 2400 Akron, Ohio 44311-1010									
ESTIMATED UNITS	DESCRIPTION	UNIT PRICE	TOTAL PRICE	Underground Utilities 416 W. Monroe St., P.O. Box 428 Kent, Ohio 44240 330-673-5252		Fox Construction & Equipment 3400-A Independence Rd. Cleveland, Ohio 44105-1048 216-341-9400		AJC Construction Co., Inc. 1250 Brittain Rd. Akron, Ohio 44310 330-633-5660		TOTAL PRICE	
				UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE		
5.560	lin. ft.	\$28.10	\$156,236.00	\$36.19	\$201,216.40	\$31.00	\$172,360.00	\$35.00	\$194,600.00		
8	each	\$660.00	\$5,280.00	\$900.00	\$7,200.00	\$510.00	\$4,080.00	\$600.00	\$4,800.00		
7	each	\$2,100.00	\$14,700.00	\$1,900.00	\$13,300.00	\$1,541.00	\$10,787.00	\$2,100.00	\$14,700.00		
9	each	\$2,180.00	\$19,620.00	\$2,800.00	\$25,200.00	\$2,410.00	\$21,690.00	\$2,200.00	\$19,800.00		
620	lin. ft.	\$7.65	\$4,743.00	\$12.00	\$7,440.00	\$14.00	\$8,680.00	\$20.00	\$12,400.00		
860	lin. ft.	\$9.65	\$8,299.00	\$12.00	\$10,320.00	\$21.00	\$18,060.00	\$25.00	\$21,500.00		
55	each	\$525.00	\$28,875.00	\$400.00	\$22,000.00	\$465.00	\$25,575.00	\$200.00	\$11,000.00		
250	lin. ft.	\$7.00	\$1,750.00	\$8.00	\$2,000.00	\$13.50	\$3,375.00	\$5.00	\$1,250.00		
50	lin. ft.	\$15.00	\$750.00	\$25.00	\$1,250.00	\$19.00	\$950.00	\$10.00	\$500.00		
25	lin. ft.	\$20.00	\$500.00	\$27.00	\$675.00	\$31.00	\$775.00	\$15.00	\$375.00		
15	lin. ft.	\$50.00	\$750.00	\$36.00	\$540.00	\$46.00	\$690.00	\$25.00	\$375.00		
CONTRACT B, TOTAL BID, IN FIGURES			\$307,063.00		\$307,291.40		\$324,171.00		\$330,002.00		
COMBINED A & B TOTAL			\$693,366.00		\$711,319.40		\$723,834.00		\$736,442.00		
COMBINED CONTRACT PERCENT (%) REDUCTION		\$		-2.6%	\$18,494.30	-1.4%	\$10,133.7		\$736,442.00		
REVISED TOTAL			\$693,366.00		\$692,825.10		\$713,700.32		\$736,442.00		
MATH ERROR											
SUPPLEMENTARY SCHEDULE OF UNIT PRICES											
E.	Earth Excavation, including backfill	2225	cu. yd.	\$50.00	\$10.00		\$30.00		\$15.00		
E1.	Earth Excavation, including disposal	2225	cu. yd.	\$50.00	\$16.00		\$10.00		\$25.00		
C1.	Class I Concrete w/out reinforcing steel (slab or unfor.)	03301	cu. yd.	\$400.00	\$600.00		\$150.00		\$150.00		
C2.	Class II Concrete	03301	cu. yd.	\$600.00	\$400.00		\$300.00		\$200.00		
R.	Reinforcing Steel	03301	lbs.	\$1.00	\$4.00		\$1.00		\$2.00		
B	Granular Backfill	2225	cu. yd.	\$30.00	\$25.00		\$24.00		\$25.00		
F	Fire Hydrant Barrel and Stem Extension	2667	lin. ft.	\$600.00	\$600.00		\$400.00		\$250.00		

