

BEILHARZ ARCHITECTS INCORPORATED
 701 1/2 WEST FIRST STREET • DEFIANCE OHIO 43512
 TELEPHONE NO. 419 • 782 • 6211
 FAX • 419 • 782 • 8722

*Mike Carpenter
 Paid for this
 Reimburse him -
 610 Broadmoor*

need print invoice from Dr. Carpenter

CHANGE ORDER

TO: Vernon Nagel, Inc.
0154 County Road 11C
Napoleon OH 43545

CHANGE ORDER NUMBER: Two (2)

CHANGE ORDER DATE: December 10, 1999

ATTN: Roger Sonnenberg

ARCHITECT'S PROJECT NO: 98-2412

PROJECT: New Dental Office, Dr. Carpenter
Napoleon OH 43545

CONTRACT FOR: **Site Work**
 CONTRACT DATE: **May 20, 1999**

You are directed to make the following changes in this Contract:

Item #1:	Curb & Gutter - 109 LF Re: Invoice 000009115 dated 8/26/99	Add	\$1,095.45
----------	---	-----	------------

Note: The City of Napoleon will reimburse the Owner for this amount in its entirety.

	NET CHANGE	\$1,095.45
The original Contract Sum was.....		\$93,044.35
Net change by previously authorized Change Orders.....		\$13,724.25
The Contract Sum prior to this Change Order was.....		\$106,768.60
The new Contract Sum including this Change Order will be.....		\$107,864.05
The adjustment in Contract Time made by this Change Order is.....		Zero (0) Days
The Date of Substantial Completion as of the date of this Change Order therefore is.....		Unchanged

ARCHITECT:

Beilharz Architects, Inc.
701-1/2 W. First Street
Defiance OH 43512

By: *[Signature]*
 Date: 12.13.99

CONTRACTOR:

Vernon Nagel, Inc.
0154 County Road 11C
Napoleon OH 43545

By: *[Signature]*
 Date: 12-15-99

OWNER:

Napoleon Dental Associates
1040 Chelsea Avenue
Napoleon OH 43545

By: *[Signature]*
 Date: 12-29-99

Not valid until signed by both the Owner and Architect. Signature of the Contractor indicates his agreement herewith, including any adjustment in the Contract Sum or Contract Time.

GERKEN ASPHALT PAVING INC.
9-072 U.S. 24
P.O. BOX 607
NAPOLEON, OH 43545
419 533-7701

I N V O I C E

Page: 1

Bill to:

Job:

CITY OF NAPOLEON
255 WEST RIVERVIEW
P.O. BOX 151
NAPOLEON, OH
43545

Invoice #: 169

Customer PO#:
Invoice Date: 10/28/99

Terms: 30 DAYS

Salesman:

Remarks: FOR WORK PERFORMED ON BROADMORE STREET OCTOBER 28, 1999

Quantity	Description	U/M	Unit Price	Extension
75.6	72.000 301 BITUMINOUS BASE	CY	63.000	4,536.00
47.2	53.000 402 ASPHALT CONCRETE	CY	64.000	3,392.00
28.3	51.000 404 ASPHALT CONCRETE	CY	64.000	3,264.00
Total:				11,192.00

PLEASE REMIT ONE COPY WITH PAYMENT

*needs to be billed to
either Dr. Carpenter or
Tony Hoefel - City
will reimburse them.
AGH
11/3/1999*

GERKEN ASPHALT PAVING INC.
9-072 U.S. 24
P.O. BOX 607
NAPOLEON, OH 43545
419 533-7701

COPY

I N V O I C E

Page: 1

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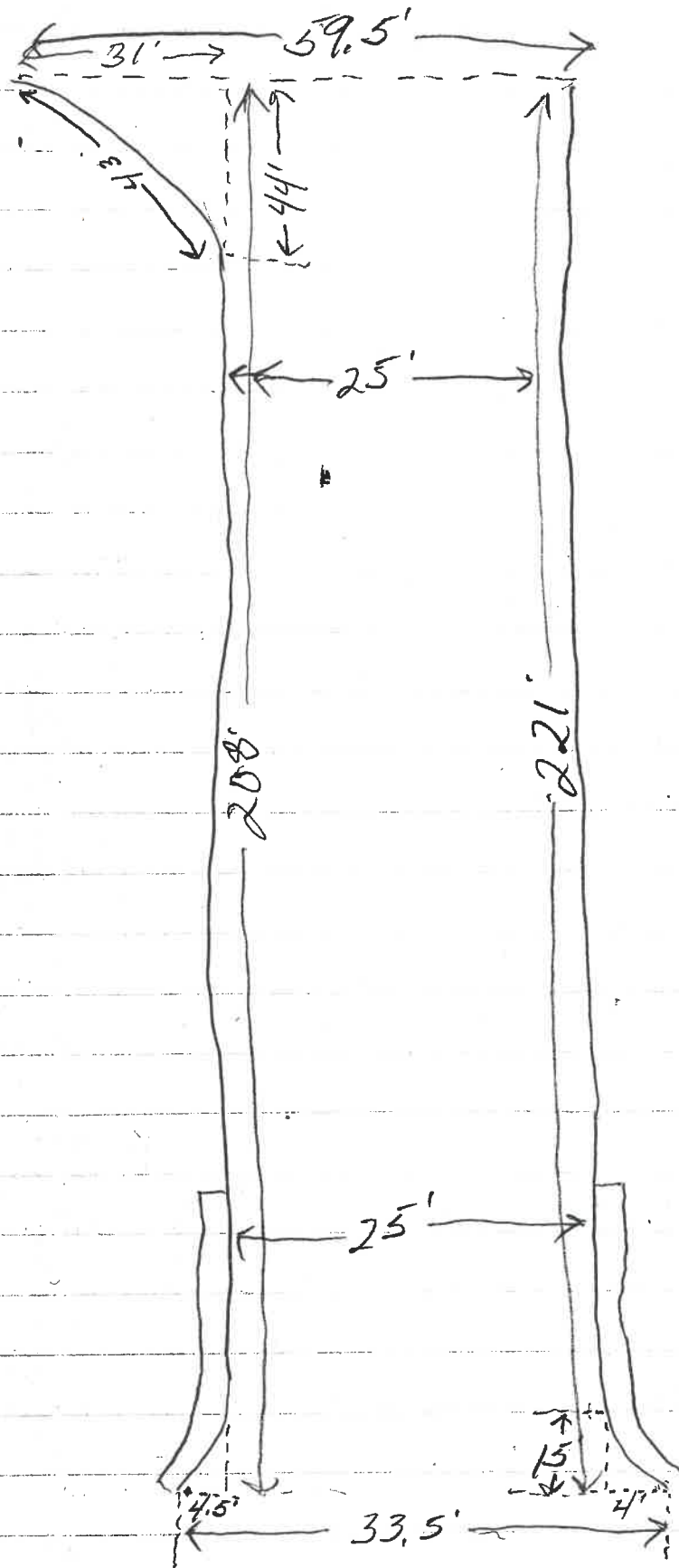
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Quantity	Description	U/M	Unit Price	Extension
72.000	301 BITUMINOUS BASE	CY	63.000	4,536.00
53.000	402 ASPHALT CONCRETE	CY	64.000	3,392.00
51.000	404 ASPHALT CONCRETE	CY	64.000	3,264.00
Total:				11,192.00

PLEASE REMIT ONE COPY WITH PAYMENT



Broadmoor St.

September 13, 1999

Mr. Adam Hoff
City Engineer
255 West Riverview Avenue, P.O. Box 151
Napoleon, Ohio 43545-0151

**Re: Broadmoor Avenue Reconstruction
Napoleon, OH**

Dear Adam:

I had the opportunity to meet with Tony Hoeffel and Vernon Masters with regard to Broadmoor Avenue and the damage that street has incurred due to the current construction projects. We discussed your proposed solution for reconstruction and offer the following breakdown of responsibilities, based on your probable estimate of costs:

1. Vernon Nagel, Inc. has agreed to perform the following work and incur all associated costs:

Excavation and removal (offsite) of existing street	\$ 360.00
Subgrade compaction per City specifications	\$ 1,300.00
6" underdrain, backfill and tie-in per City requirements	\$ 3,000.00
Traffic maintenance	\$ 1,000.00
Subtotal	\$ 5,660.00
Contingency (15%)	\$ 849.00
Grand Total	\$ 6,509.00

2. Gerken Paving to perform the following work under City of Napoleon contract:

4" 301 Asphalt Concrete (57 cy)	\$ 4,218.00
2-1/2" 402 Asphalt Concrete (36 cy)	\$ 2,952.00
1-1/2" 404 Asphalt Concrete (22 cy)	\$ 1,804.00
Subtotal	\$ 8,974.00
Contingency (15%)	\$ 1,346.00
Grand Total	\$10,320.00

TERRY E. BEILHARZ, AIA, NCARB
PRESIDENT • ARCHITECT

KRAIG A. BEILHARZ, RA
PRINCIPAL • ARCHITECT

JERRY OVERMIER, RA
PRINCIPAL • ARCHITECT

JAMES J. BERNICKE
PRINCIPAL • MARKETING

ASSOCIATES

LEON RUCH, RA, NCARB
BILL BROWN, RA
KENT PURK, RA
STUART R. COOK
KEVIN WISCHMEYER

LYNN L. CLADY
INTERIOR DESIGNER

We further understand the expenditure responsibilities to be as follows:

1. City of Napoleon (underdrains, traffic maintenance and 404)	\$5,804.00
Contingency (15%)	\$ 871.00
1/3 Shared Cost	\$1,215.00
Grand Total	\$7,889.00
2. Mr. Tony Hoeffel (Gerken-Hoeffel Addition)	1/3 Shared Cost \$1,215.00
3. Dr. Michael Carpenter (610 Broadmoor Ave.)	1/3 Shared Cost \$1,215.00

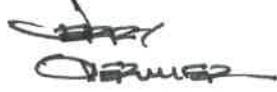
All parties involved should consider that the above costs are based on estimates of quantities, and that actual material amounts will affect the final figures. It is recommended that a final cost comparison document be provided to Mr. Hoeffel and Dr. Carpenter for review, prior to invoicing for payment.

Mr. Masters indicated he could have his portion of the work completed within the next two weeks for scheduling of the asphalt paving to coincide with the work at Dr. Carpenter's parking lot. We were planning on paving on Dr. Carpenter's site the first week in October.

Should you have any questions, please do not hesitate to call.

Sincerely,

Beilharz Architects, Inc.



Jerry Overmier
Principal / Architect

cc: Terry Beilharz
Dr. Michael Carpenter
Tony Hoeffel
Vernon Masters
File

City of Napoleon, Ohio
Broadmoor Avenue Restoration
Bales Road to Chelsea Avenue

Item No.	Description	Quantity	Unit	Price	Total
1	Excavation	120.00	c.y.	\$3.00	\$360.00
2	Subgrade Compaction	520.00	s.y.	\$2.50	\$1,300.00
3	4" 301 Asphalt Concrete	57.00	c.y.	\$74.00	\$4,218.00
4	2-1/2" 402 Asphalt Concrete	36.00	c.y.	\$82.00	\$2,952.00
⑤	1-1/2" 404 Asphalt Concrete	22.00	c.y.	\$82.00	\$1,804.00
⑥	6" Underdrain, incl. C.B. Cores & No. 8 Backfill	200.00	l.f.	\$15.00	\$3,000.00
7	Traffic Maintenance	1.00	l.s.	\$1,000.00	\$1,000.00
Subtotal:					\$14,634.00
Contingencies (15%):					\$2,366.00
TOTAL:					\$17,000.00
City Share (incl. Contingencies):					\$9,300.00
Abutting Owners' Share (incl. Contingencies):					\$7,700.00
Each Owner's Share (incl. Contingencies):					\$3,850.00

> 100% City

City of Napoleon

Fax Cover This is a confidential message, intended solely for the person to whom it is addressed. If you receive this message in error, please forward it to the correct person, or mail it back to us. Thank you.

To Brian Motolik - Gerken Paving
Fax No. (419) 533-6393
From Adam C. Hoff, P.E. - City Engineer *ACH*
Date 9/3/99
Subject Broadmoor Avenue Restoration
Pages 2, including this one

The following is my estimated quantities for the restoration of Broadmoor Avenue between Bales Road and Chelsea Avenue (adjacent to the new phase of the Gerken-Hoeffel Subdivision). Please provide a complete quote, including traffic maintenance (flaggers), bonding, insurance and mobilization. All access to the site for construction equipment will be from Bales Road only. No trucks or equipment may utilize Chelsea Avenue. The intent of the project is to excavate between the curbs, install a shallow underdrain in the center of the street and place a full-depth asphalt pavement.

If you have any questions, please call me at 592-4010. Thank you.

255 W. Riverview Ave.
Napoleon, Ohio 43545

(419) 592-4010 Phone
(419) 599-8393 Fax

City of Napoleon, Ohio
Broadmoor Avenue Restoration
Bales Road to Chelsea Avenue

Item No.	Description	Quantity	Unit Price	Total
1	Excavation	120.00 c.y.		
2	Subgrade Compaction	520.00 s.y.		
3	4" 301 Asphalt Concrete	57.00 c.y.		
4	2-1/2" 402 Asphalt Concrete	36.00 c.y.		
5	1-1/2" 404 Asphalt Concrete	22.00 c.y.		
6	6" Underdrain, incl. C.B. Cores & No. 8 Backfill	200.00 l.f.		
7	Traffic Maintenance	1.00 l.s.		
Subtotal:				



GERKEN PAVING, INC.

P.O. Box 607
Napoleon, Ohio 43545

Phone (419) 533-7701
FAX (419) 533-6393

FACSIMILE TRANSMISSION

COVER SHEET

DATE: 9/1/99

TO: CITY OF NAPOLEON

ATTN: ADAM HOFF

FROM: BRIAN METZLIK

NUMBER OF PAGES TRANSMITTED INCLUDING THIS PAGE: 2

MESSAGE:

PRICES FOR BALES RD.

IF YOU ARE UNABLE TO READ OR HAVE ANY QUESTIONS REGARDING THIS FACSIMILE, PLEASE CONTACT OUR OFFICE AT THE ABOVE NUMBER. THANK YOU.



GERKEN PAVING, INC.

P.O. Box 607
Napoleon, Ohio 43545

Phone (419) 533-7701
FAX (419) 533-6393

QUOTE

TO: **City of Napoleon**

ATTN: Adam Hoff
FROM: Jeff Wiemken

WE ARE PLEASED TO QUOTE THE FOLLOWING FOR:

PROJECT: **Bales Rd. Pavement Repair**

DATE: Aug. 16, 1999

REF NO.	ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1	301	Bituminous Aggregate Base	49.0	CY	\$ 74.00	\$ 3,626.00
2	402	Asphalt Concrete	32.0	CY	\$ 82.00	\$ 2,624.00
3	404	Asphalt Concrete	18.5	CY	\$ 82.00	\$ 1,517.00
4						\$ -
5						\$ -
6						\$ -
7						\$ -
8						\$ -
9						\$ -
10						\$ -
		QUALIFICATIONS:				\$ -
		1. One mobilization included per crew. Each add'l = \$800.00				\$ -
		2. Construction layout not included.				\$ -
		3. Maint. of traffic not included.				\$ -
		4. Bond not included. Add \$5.00 per \$1,000.00 (\$200.00 min.) if needed.				\$ -
		5. Access to work area to be provided by general contractor.				\$ -
		6. No preparation included. Compacted aggregate base +/- 1/2" by others.				\$ -
		7. Striping not included.				\$ -
		8. This is a unit price proposal.				\$ -
		9. Sales tax not included.				\$ -
		10. All permits to be obtained by owner.				\$ -
		11. No testing included.				\$ -
		12. Subgrade compaction not included.				\$ -
		13. Fine grading and compaction of areas to receive asphalt by others.				\$ -
		14. For curb and gutter areas, compacted aggregate base shall be 0-1/2" above plan grades.				\$ -
ESTIMATED TOTAL AMOUNT=						\$ 7,767.00

IF ALL PAGES ARE NOT RECEIVED OR IF THIS FAX IS NOT LEGIBLE, CONTACT OUR OFFICE AT THE ABOVE NUMBER.

230 ft.

City of Napoleon

Fax Cover This is a confidential message, intended solely for the person to whom it is addressed. If you receive this message in error, please forward it to the correct person, or mail it back to us. Thank you.

To Vern Masters - Vernon Nagel, Inc.
Fax No. (419) 592-1537
From Adam C. Hoff, P.E. - City Engineer *ACH*
Date 8/23/99
Subject Dr. Carpenter Dental Office
Pages 2, including this one

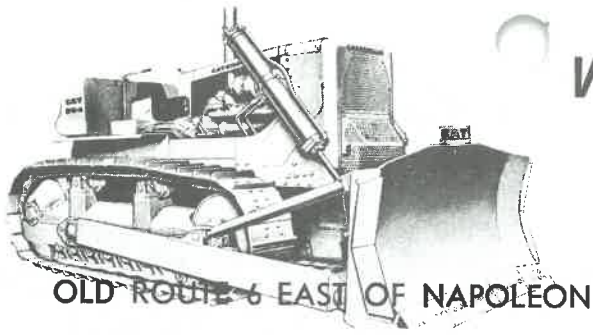
The invoice dated Aug. 16, 1999 (#0000009100) in the amount of \$1,095.45 for curb replacement needs to be billed to Dr. Carpenter and we will reimburse him.

If you have any questions, please call me at 592-4010. Thank you.

c: ~~Robert Brent Damman~~

255 W. Riverview Ave.
Napoleon, Ohio 43545

(419) 592-4010 Phone
(419) 599-8393 Fax



VERNON NAGEL, INC.

INVOICE

GENERAL CONTRACTORS
 0-154 County Road 11C, Rt. 5
 Napoleon, Ohio 43545
 (419) 592-3861
 FAX 592-1537

DATE: 16-AUG-1999
 NUMBER: 0000009100

Page: 1

To: CITY OF NAPOLEON
 FINANCE/ACCOUNTS PAYABLE
 P.O. BOX 151
 NAPOLEON OH 43545-0151

PROJECT

DESCRIPTION	QUANTITY	PRICE	UNIT	AMOUNT
8/13 CURB & GUTTER REPLACED AT DENTAL OFFICE/BALES ROAD	109.00	10.05	LF	1,095.45

TERMS: NET 10 DAYS
 A MONTHLY LATE CHARGE OF 2%
 (24% APR) WILL BE ADDED TO
 PAST DUE AMOUNTS.

Invoice Totals
TOTAL DUE 1,095.45



City of NAPOLEON, OHIO

255 WEST RIVERVIEW AVENUE, P.O. BOX 151
NAPOLEON, OHIO 43545-0151
(419) 592-4010
FAX (419) 599-8393

August 17, 1999

Mr. Anthony J. Hoeffel, P.E., P.S.
Bryan Engineering & Surveying, Inc.
128 South Lynn Street
Bryan, Ohio 43506

Dr. Michael Carpenter, DDS
1040 Chelsea Avenue
Napoleon, Ohio 43545

Re: City of Napoleon
Broadmoor Avenue Restoration

Dear Mr. Hoeffel and Dr. Carpenter:

As you may be aware, due to the construction traffic and equipment associated with the Gerken-Hoeffel 4th and 5th Additions and the new dentist office located between Chelsea Avenue and Bales Road, Broadmoor Avenue from Chelsea to Bales has effectively been destroyed. The City acknowledges that Broadmoor Avenue was in need of resurfacing prior to the construction of these projects. However, the street is now to the point of requiring complete reconstruction. Therefore, we are asking that a meeting date be established to discuss this issue the week of September 6th. Please call my office to establish such a date and time.

If you have any questions or require further information, please call me at (419) 592-4010.

Yours truly,

Adam C. Hoff, P.E.
City Engineer

ACH:rd

cc: Dr. Jon A. Bisher, City Manager
Mr. Jerry Overmier - Beilharz Architects
Mr. Vern Masters - Vernon Nagel, Inc.

C:\notus\work\wordpro\CITYENGINEER\LETTERS\GENCORRES8/17/99, 10:54:09 AM

Records Retention ENG-018 Permanent

Mayor
Donald M. Stange

Members of Council
Michael J. DeWit, President
Terri A. Williams
James Hershberger
Travis B. Sheaffer
Char Weber
David F. Miller, Jr.
Glenn A. Miller

City Manager
Dr. Jon A. Bisher

Finance Director
Gregory J. Heath

Law Director
David M. Grahm

City Engineer
Adam C. Hoff, P.E.

BEILHARZ
 ARCHITECTS
 INCORPORATED
 701 1/2 WEST FIRST
 STREET • DEFIANCE
 OHIO 43512
 TELEPHONE NO.
 419 • 782 • 6211
 FAX • 419 • 782 • 8722

**TRANSMITTAL
 LETTER**

PROJECT: **New Dental Office**
610 Broadmoor Ave.
Napoleon, OH

TRANSMITTAL DATE: **August 4, 1999**
 ARCHITECT'S PROJECT NO: **98-2412**

TO: **City of Napoleon**
255 West Riverview Avenue
Napoleon, OH 43545

ATTN: **Adam Hoff**

VIA:
 FAX
 MAIL
 U.P.S.
 OVERNIGHT
 HAND DELIVERED

WE TRANSMIT:
 herewith
 in accordance with your request: _____
 _____ under separate cover via: _____

FOR YOUR:
 approval
 review & comment
 use

distribution to parties
 record

information
 quotation

THE FOLLOWING:

COPIES	DATE	NO.	DESCRIPTION	ACTION
1			Copy Zoning Permit for your Record	H

REMARKS:

- ACTION:**
- A. Action indicated on item transmitted
 - D. Approved as submitted
 - G. No action required
 - B. Please sign and return to this office
 - E. Approved as noted
 - H. See REMARKS
 - C. Please sign and forward as noted below
 - F. Revise and resubmit

COPIES TO: _____

If enclosures are not as noted, inform us immediately. If checked below, please:
 Acknowledge receipt of enclosures. Return enclosures to us.

Dr. Carpenter
Tom Stuckey
File

BEILHARZ ARCHITECTS, INC.
 By:
Jerry S. Overmier
Principal/Architect

CITY OF NAPOLEON
255 W. RIVERVIEW AVE
NAPOLEON, OHIO 43545

P E R M I T

DIVISION BUILDING & ZONING
PH (419) 592-4010
FAX (419) 599-8393

PERMIT NO: 99149 DATE ISSUED: 05-18-99 ISSUED BY: BND

JOB LOCATION: 610 BROADMOOR AVE EST. COST:

LOT #: SUBDIVISION NAME:

OWNER: CARPENTER, MICHAEL
ADDRESS: 1040 CHELSEA AVE
CSZ: NAPOLEON, OH 43545
PHONE: 419-592-9956

AGENT: BEILHARZ ARCHITECTS
ADDRESS: 7011/2 W FIRST ST
CSZ: DEFIANCE, OH 43512
PHONE: 419-782-6211

USE TYPE - RESIDENTIAL: OTHER:

ZONING INFORMATION

DIST: LOT DIM: AREA: FYRD: SYRD: RYRD:
MAX HT: # PKG SPACES: # LOADING SP: MAX LOT COV:

BOARD OF ZONING APPEALS:

WORK TYPE - NEW: REPLMNT: ADD'N: ALTER: REMODEL:

WORK INFORMATION

SIZE - LGTH: WIDTH: STORIES: LIVING AREA SF:
GARAGE AREA SF: HEIGHT: BLDG VOL DEMO PERMIT:

WORK DESCRIPTION
DENTAL OFFICE

FEE DESCRIPTION	PAID DATE	FEE AMOUNT DUE
ZONING PERMIT	05-19-99	25.00
PLAN REVIEW FEE	05-19-99	25.00
SITE UTILITIES INSPEC	05-28-99	1395.00

TOTAL FEES DUE ~~1445.00~~

Aug. 4, 1999
DATE

[Signature]
APPLICANT SIGNATURE

**BEILHARZ
ARCHITECTS**
INCORPORATED
701 1/2 WEST FIRST
STREET □ DUBLIN OHIO 43017
TELEPHONE NO.
419 □ 782 □ 6211
FAX □ 419 □ 782 □ 8722

**TRANSMITTAL
LETTER**

PROJECT: **New Dental Office**
610 Broadmoor Ave
Napoleon, Ohio
TO: **City of Napoleon**
255 West Riverview Ave.
Napoleon, Ohio 43545

TRANSMITTAL DATE: **June 29, 1999**
ARCHITECT'S PROJECT NO: **98-2412**

VIA:
 FAX
 MAIL
 U.P.S.
 OVERNIGHT
 HAND DELIVERED

ATTN: **Adam Hoff**

WE TRANSMIT:

herewith under separate cover via: _____
 in accordance with your request: _____

FOR YOUR:

approval distribution to parties information
 review & comment record quotation
 use _____

THE FOLLOWING:

COPIES	DATE	NO.	DESCRIPTION	ACTION
3			Prints - Drawing C-1, revision date 5/24/99	I
3			Prints - Drawing C-2, revision date 5/03/99	I
1			Copy - Cut Sheet submittal for Backflow Assembly	I

REMARKS:

- ACTION:**
- A. Action indicated on item transmitted
 - B. Please sign and return to this office
 - C. Please sign and forward as noted below
 - D. Approved as submitted
 - E. Approved as noted
 - F. Revise and resubmit
 - G. No action required
 - H. See REMARKS
 - I. For Your Use

COPIES TO:

If enclosures are not as noted, inform us immediately. If checked below, please:

Acknowledge receipt of enclosures. Return enclosures to us.

BEILHARZ ARCHITECTS, INC.

By:
Jerry Overmier, RA
Principal/Architect

File

BFP BACKFLOW

(1) EACH

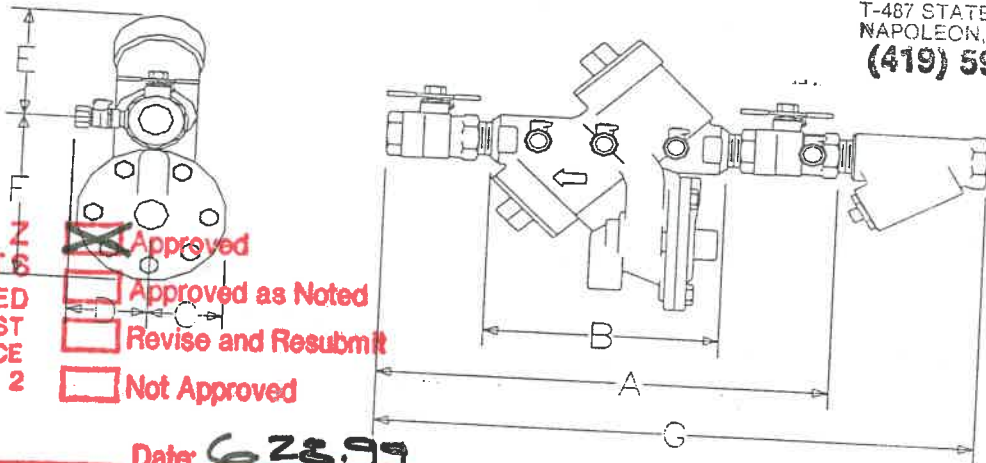
Model 975XL 3/4" - 2"

Specification:

The Reduced Pressure Principle Backflow Assembly shall consist of a differential pressure relief valve located between two internally-located, center-guided, "Y"-type check valves, two resilient-seated ball valves, and four test cocks. Each major component shall be accessible through its own access cover and shall not require the use of special tools. The Reduced Pressure Principle Backflow Assembly shall be a Wilkins 975XL.

EARL H. ELLING
 PLUMBING — HEATING
 AIR CONDITIONING
 T-487 STATE ROUTE 103
 NAPOLEON, OHIO 43545
(419) 598-8991

E. H. E

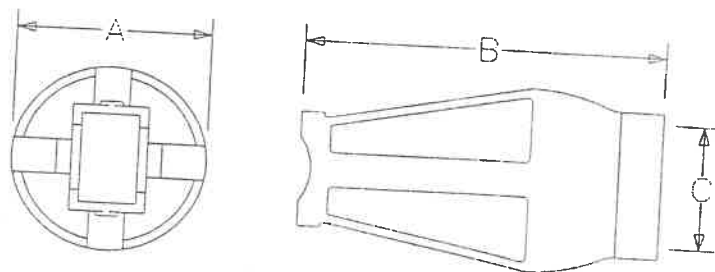
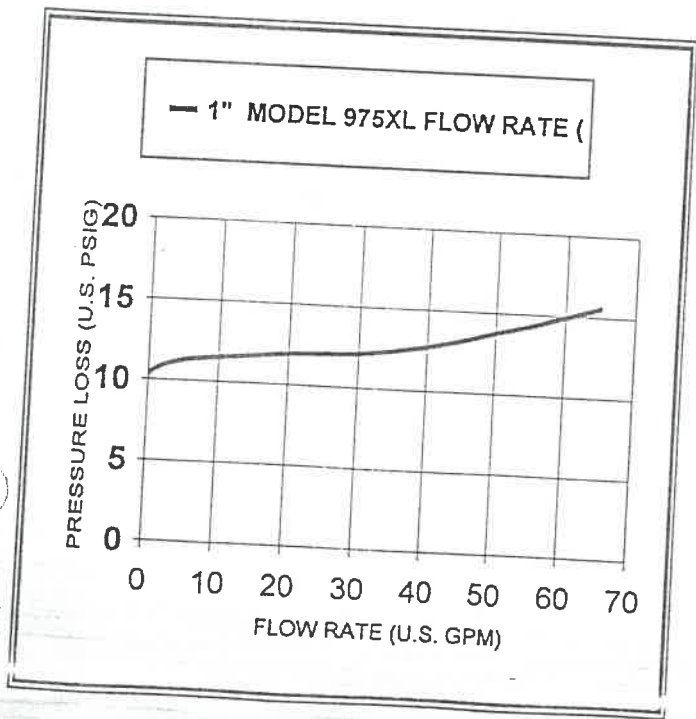


BEILHARZ
ARCHITECTS
 INCORPORATED
 701 1/2 WEST FIRST
 STREET • DEFIANCE
 OHIO 43512

- Approved
- Approved as Noted
- Revise and Resubmit
- Not Approved

By: *[Signature]* Date: 6-28-99

SIZE	DIMENSIONS (inches)								WEIGHT (lbs.)	
	A	A UNION BALL VALVES	B LESS BALL VALVES	C	D	E	F	G	LESS BALL VALVES	WIT-BALL VALVES
3/4"	12.00	14.00	7.75	2.10	3.00	3.50	5.00	16.25	10.00	12.00
1"	13.00	14.25	7.75	2.10	3.00	3.50	5.00	17.75	10.00	13.00
1-1/4"	17.00	N/A	10.92	2.70	3.50	5.00	6.70	22.55	20.00	26.00
1-1/2"	17.40	20.00	10.92	2.70	3.50	5.00	6.70	23.95	20.00	26.00
2"	18.50	21.25	10.92	2.70	3.50	5.00	6.70	26.25	22.00	33.00
DIMENSIONS (mm)										
SIZE	A	A UNION BALL VALVES	B LESS BALL VALVES	C	D	E	F	G	LESS BALL VALVES	WIT-BALL VALVES
20mm	304.80	355.60	196.85	53.34	76.20	88.90	127.00	412.75	4.53	5.44
25mm	330.20	361.95	196.85	53.34	76.20	88.90	127.00	450.85	4.53	5.89
32mm	431.80	N/A	277.36	68.58	88.90	127.00	170.18	572.77	9.97	11.79
40mm	441.96	508.00	277.36	68.58	88.90	127.00	170.18	608.33	9.97	11.79
50mm	469.90	539.75	277.36	68.58	88.90	127.00	170.18	666.75	9.97	14.98



SIZE	DIMENSIONS (in.)			WEIGHT (lbs.)
	A	B	C OUTLET PIPE SIZE	
AG-4	3.20	5.00	1" NPT	2.00
AG-5	4.50	8.00	2" NPT	3.00
AG-6	5.40	10.00	3" NPT	5.00
AG-7	7.00	11.00	4" NPT	6.00
AG-8	2.50	3.50	1" NPT	2.00
DIMENSIONS (mm)				WEIGHT (kgs.)
AG-4	81.28	127.00	1" NPT	0.91
AG-5	114.30	203.20	2" NPT	1.36
AG-6	137.16	254.00	3" NPT	2.27
AG-7	177.80	279.40	4" NPT	3.63
AG-8	63.50	88.90	1" NPT	0.91

City of Napoleon

Fax Cover This is a confidential message, intended solely for the person to whom it is addressed. If you receive this message in error, please forward it to the correct person, or mail it back to us. Thank you.

To Jerry Overmier - Beilharz Architects
Fax No. (419) 782-8722
From Adam C. Hoff, P.E. - City Engineer *ACH*
Date 6/8/99
Subject Plan Review - Dr. Michael Carpenter Office
Pages 1, including this one

Upon further review of the information you provided in your fax of May 28th, Brent Damman noted that you have specified a 1-1/2" SDR-9 water service. City of Napoleon specifications require copper tubing size (CTS) for water services. Please inform the contractor of this requirement.

If you have any questions or require additional information, please call me at 592-4010. Thank you.

c: Tony Druhot, Brent Damman, Mike Heise, Jeff Marihugh, Rex Moll

255 W. Riverview Ave.
Napoleon, Ohio 43545

(419) 592-4010 Phone
(419) 599-8393 Fax

BEILHARZ ARCHITECTS
 INCORPORATED
 701 1/2 WEST FIRST STREET □ DEFIANCE OHIO 43512
 TELEPHONE NO. 419 □ 782 □ 6211
 FAX • 419 • 782 • 8722

TRANSMITTAL LETTER

PROJECT: **New Dental Office**
610 Broadmoor Ave
Napoleon, Ohio

TO: **City of Napoleon**
255 West Riverview Ave.
Napoleon, Ohio 43545

TRANSMITTAL DATE: **June 1, 1999**
 ARCHITECT'S PROJECT NO: **98-2412**

VIA:
 FAX
 MAIL
 U.P.S.
 OVERNIGHT
 HAND DELIVERED

ATTN: **Adam Hoff**

WE TRANSMIT:

herewith under separate cover via: _____
 in accordance with your request: _____

FOR YOUR:

approval distribution to parties information
 review & comment record quotation
 use _____

THE FOLLOWING:

COPIES	DATE	NO.	DESCRIPTION	ACTION
2	5/25/99		Additional Prints-Revised Drawing C-1	G

REMARKS:

- ACTION:**
- A. Action indicated on item transmitted
 - B. Please sign and return to this office
 - C. Please sign and forward as noted below
 - D. Approved as submitted
 - E. Approved as noted
 - F. Revise and resubmit
 - G. No action required
 - H. See REMARKS
 - I. For Your Use

COPIES TO:

If enclosures are not as noted, inform us immediately. If checked below, please:
 Acknowledge receipt of enclosures. Return enclosures to us.

BEILHARZ ARCHITECTS, INC.
 By:
Jerry Overmier, RA
Principal/Architect

File

P E R M I T

CITY OF NAPOLEON
255 W. RIVERVIEW AVE
NAPOLEON, OHIO 43545

DIVISION OF BUILDING & ZONING
PH (419) 592-4010
FAX (419) 599-8393

PERMIT NO: 99149 DATE ISSUED: 05-18-99 ISSUED BY: BND

JOB LOCATION: 610 BROADMOOR AVE EST. COST:

LOT #: SUBDIVISION NAME:

OWNER: CARPENTER, MICHAEL
ADDRESS: 1040 CHELSEA AVE
CSZ: NAPOLEON, OH 43545
PHONE: 419-592-9956

AGENT: BEILHARZ ARCHITECTS
ADDRESS: 7011/2 W FIRST ST
CSZ: DEFIANCE, OH 43512
PHONE: 419-782-6211

USE TYPE - RESIDENTIAL: OTHER:

ZONING INFORMATION

DIST: LOT DIM: AREA: FYRD: SYRD: RYRD:
MAX HT: # PKG SPACES: # LOADING SP: MAX LOT COV:

BOARD OF ZONING APPEALS:

WORK TYPE - NEW: REPLMNT: ADD'N: ALTER: REMODEL:

WORK INFORMATION

SIZE - LGTH: WIDTH: STORIES: LIVING AREA SF:
GARAGE AREA SF: HEIGHT: BLDG VOL DEMO PERMIT:

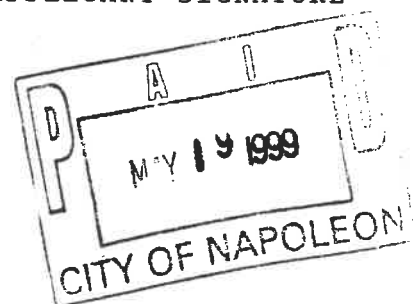
WORK DESCRIPTION
DENTAL OFFICE

FEE DESCRIPTION	PAID DATE	FEE AMOUNT DUE
ZONING PERMIT		25.00
PLAN REVIEW FEE		25.00

TOTAL FEES DUE 50.00

DATE

APPLICANT SIGNATURE



Fax

BEILHARZ
ARCHITECTS
INCORPORATED
701 1/2 WEST FIRST
STREET • DEFIANCE
OHIO 43512
TELEPHONE NO.
419•782•6211
FAX•419•782•8722

To: Adam Hoff

From: Jerry Overmier, Principal/Architect

Fax: 419.599.8393

Pages: 1

Phone:

Date: May 28, 1999

Re: Dr. Carpenter Dental Office

CC: File

Urgent **For Review** **Please Comment** **Please Reply** **Please Recycle**

● **Comments:**

Adam:

1. The water meter will be 1" in lieu of 1-1/2" as called for on the Drawings.
 - a). Site Contractor: 1-1/2" SDR 9 tubing lead-in to 12" AFF, connect to city 1-1/2" service line.
 - b). Plumbing Contractor: 1-1/2" to 1" reducer and ball valve prepared for meter connection.
 - c). City of Napoleon: Installation of a 1" disc-type meter (w / remote read) and copper setter.
 - d). Plumbing Contractor: Final connection to meter with ball valve and balance of work.
2. The Backflow Assembly shall be a 1" Reduced Pressure Zone (RPZ) type in lieu of 1-1/2" Double Check Valve (Addendum No. 4).

Please call if you have any further questions.

Copy: Dr. Michael Carpenter

Vernon Nagel Inc

Elling Plumbing and Heating, Inc

File

City of Napoleon

Fax Cover This is a confidential message, intended solely for the person to whom it is addressed. If you receive this message in error, please forward it to the correct person, or mail it back to us. Thank you.

To Jerry Overmier - Beilharz Architects
Fax No. (419) 782-8722
From Adam C. Hoff, P.E. - City Engineer *ACH*
Date 5/28/99
Subject Plan Review - Dr. Michael Carpenter Office
Pages 1, including this one

On behalf of the City of Napoleon, I hereby approve the plans submitted for the proposed dentist office for Dr. Michael Carpenter with the following conditions:

1. The inspection fee of \$1,395.00 noted in your correspondence of May 25, 1999 shall be paid **prior to commencing with construction**. I recognize that your firm will not be paying the fee, but ask that you inform Dr. Carpenter of this requirement.
2. Final determination of the meter size (1" or 1-1/2") shall be completed **prior to the installation of the proposed water service**. The City's tap charge for a 1-1/2" water service is calculated on a time and materials basis, plus 25%, including the cost of the meter and meter setter. This sizing will also impact Dr. Carpenter's monthly water bill. A 1" meter would be charged \$4.23, plus \$1.85 per 100 CF per month, while a 1-1/2" meter would be \$24.11, plus \$1.85 per 100 CF.
3. The dual detector check valve assembly on Sht. P-2 has been changed to an RPZ, per Addendum No. 4, dated May 10, 1999.

If you have any questions or require additional information, please call me at 592-4010. Thank you.

c: Tony Druhot, Brent Damman, Mike Heise, Jeff Marihugh, Rex Moll

255 W. Riverview Ave.

Napoleon, Ohio 43545

(419) 592-4010 Phone

(419) 599-8393 Fax

Fax

BEILHARZ
ARCHITECTS
INCORPORATED
701 1/2 WEST FIRST
STREET • DEFIANCE
OHIO 43512
TELEPHONE NO.
419-782-6211
FAX-419-782-8722

To: Adam Hoff **From:** Jerry Overmier, Principal/Architect

Fax: 419.599.8393

Pages: 1

Phone: **Date:** May 27, 1999

Re: Dr. Carpenter Dental Office **CC:** File

Urgent For Review Please Comment Please Reply Please Recycle

• **Comments:**

Adam:

1. Two (2) complete sets of drawings and one (1) specification manual were sent to your office on April 28, 1999 for your review. The plumbing isometric would be found on drawing sheet P-2, along with the water meter size. We currently have the meter called out as a 1-1/2" meter, however, we may elect to go with a 1".

Please call if you have any further questions.

Thanks, Jerry

BEILHARZ ARCHITECTS
 INCORPORATED
 701 1/2 WEST FIRST STREET □ DEFIANCE OHIO 43512
 TELEPHONE NO. 419 □ 782 □ 6211
 FAX • 419 • 782 • 8722

TRANSMITTAL LETTER

PROJECT: **New Dental Office**
610 Broadmoor Ave
Napoleon, Ohio
 TO: **City of Napoleon**
255 West Riverview Ave.
Napoleon, Ohio 43545

TRANSMITTAL DATE: **May 25, 1999**
 ARCHITECT'S PROJECT NO: **98-2412**

VIA:
 FAX
 MAIL
 U.P.S.
 OVERNIGHT
 HAND DELIVERED

ATTN: **Adam Hoff**

WE TRANSMIT:

herewith _____ under separate cover via: _____

in accordance with your request: _____

FOR YOUR:

approval _____ distribution to parties _____ information
 review & comment _____ record _____ quotation
 use _____

THE FOLLOWING:

COPIES	DATE	NO.	DESCRIPTION	ACTION
3	5/25/99		Prints-Revised Drawing C-1	
<p>REMARKS:</p> <p>In accordance with your letter, dated 5/24/99, we are submitting revised site plan drawings with requested sidewalks located on all sides of the proposed site. Your immediate review and issuance of zoning permit to the General Contractor would be greatly appreciated. We have been delayed in obtaining building permits until a zoning permit number is established.</p> <p>The estimate for the site improvements, including contingencies is \$93,000.00. Based on your fee calculation to provide on site field inspection at 1.5%, the cost for owner obligations would be \$1,395.00. Again, this fee and services would be handled directly between the Owner and City of Napoleon.</p>				

- ACTION:**
- A. Action indicated on item transmitted
 - B. Please sign and return to this office
 - C. Please sign and forward as noted below
 - D. Approved as submitted
 - E. Approved as noted
 - F. Revise and resubmit
 - G. No action required
 - H. See REMARKS
 - I. For Your Use

COPIES TO:

If enclosures are not as noted, inform us immediately. If checked below, please:
 Acknowledge receipt of enclosures. Return enclosures to us.

BEILHARZ ARCHITECTS, INC.

By:
 Jerry Overmier, RA
 Principal/Architect

Dr. Michael Carpenter
 File

City of Napoleon

Fax Cover This is a confidential message, intended solely for the person to whom it is addressed. If you receive this message in error, please forward it to the correct person, or mail it back to us. Thank you.

To Jerry Overmier - Beilharz Architects
Fax No. (419) 782-8722
From Adam C. Hoff, P.E. - City Engineer *ACH*
Date 5/24/99
Subject Plan Review - Dr. Michael Carpenter Office
Pages 1, including this one

In response to your correspondence dated May 19th, we will require that sidewalks be placed along the north side of Bales Road and the east side of Broadmoor Avenue, as well as those shown on Chelsea Avenue. I appreciate your concern for pedestrian safety. However, assuming the sidewalk along Bales Road is placed in our typical alignment, this sidewalk will be roughly twenty-one (21) feet from the edge of pavement. The sidewalk along Chelsea will be ten (10) feet from the street. Therefore, sidewalks will be required along all three (3) streets.

Once these sidewalks are added to the site plan, we will approve the plan on behalf of the City. Also, we are in need of a copy of the estimate for the site improvements. The City's inspection fee will be 1.5% of that estimate, plus contingencies.

If you have any questions or require additional information, please call me at 592-4010. Thank you.

c: Tony Druhot, Brent Damman, Mike Heise, Jeff Marihugh, Rex Moll

255 W. Riverview Ave.
Napoleon, Ohio 43545

(419) 592-4010 Phone
(419) 599-8393 Fax

BEILHARZ
ARCHITECTS
INCORPORATED
701 1/2 WEST FIRST
STREET • DEFIANCE
OHIO 43512
TELEPHONE NO.
419 • 782 • 6211
FAX • 419 • 782 • 8722

May 19, 1999

Mr. Adam Hoff, P.E.
City Engineer
255 West Riverview Ave.
Napoleon, Ohio 43545

Re: ***New Office Building
610 Broadmoor Ave.
Napoleon, Ohio
Comm. No. 98-2412***

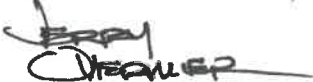
Dear Adam:

With regard to the sidewalk requirements for the above referenced project, we would like to address an issue which, we feel, would jeopardize the public safety. We concur that the Engineering Rules & Regulations adopted by the City (Ordinance No. 30-98) states that sidewalks shall be provided along both sides of the street and thus around the periphery of the site. However, considering the uniqueness of the site and the surrounding traffic patterns, we are suggesting the omission of a sidewalk along Bales Road and Broadmoor Avenue. Common sense would indicate to route pedestrian traffic around the "island" site away from the heavier vehicular street traffic and to not promote pedestrian activity at the awkward intersection of Chelsea and Bales. Field observance of the current traffic and site conditions further enforces our concerns and request for special leniency. Your immediate input to this matter would be greatly appreciated.

Included please find three (3) copies of a revised site plan with the proposed sidewalk and details for your review and comment. Should you have any questions, please do not hesitate to call.

Sincerely,

BEILHARZ ARCHITECTS, INC.



Jerry Overmier
Principal/Architect

JO:cc

Encl.

c: Dr. Michael Carpenter
File
Document3 (WORD)

TERRY E. BEILHARZ, AIA, NCARB
PRESIDENT • ARCHITECT

KRAIG A. BEILHARZ, RA
PRINCIPAL • ARCHITECT

JERRY OVERMIER, RA
PRINCIPAL • ARCHITECT

JAMES J. BERNICKE
PRINCIPAL • MARKETING

•
A S S O C I A T E S
• •

LEON RUCH, RA, NCARB
BILL BROWN, RA
KENT PURK, RA
STUART R. COOK
KEVIN WISCHMEYER

•
LYNN L. CLADY
INTERIOR DESIGNER

RECEIVED

MAY 20 1999

CITY OF NAPOLEON

City of Napoleon

Fax Cover This is a confidential message, intended solely for the person to whom it is addressed. If you receive this message in error, please forward it to the correct person, or mail it back to us. Thank you.

To Jerry Overmier - Beilharz Architects
Fax No. (419) 782-8722
From Adam C. Hoff, P.E. - City Engineer *ACH*
Date 5/14/99
Subject Plan Review - Dr. Michael Carpenter Office
Pages 1, including this one

As we discussed yesterday, I have reviewed the issue of sidewalks with City Zoning Administrator Brent Damman. The Engineering Rules & Regulations adopted by the City (Ordinance No. 30-98) state that sidewalks shall be provided along both side of the street. We recognize that no sidewalk exists along the south side of Bales Road. However, a bike path is provided and this roadway was constructed prior to the adoption of the current rules. Also, the next phase of the Gerken-Hoeffel Subdivision, west of Broadmoor, will have sidewalks along Bales, Chelsea and Broadmoor. Therefore, sidewalks will be required around the periphery of the proposed site. Handicap ramps shall also be provided at each of the intersections.

If you have any questions or require additional information, please call me at 592-4010. Thank you.

c: Tony Druhot, Brent Damman, Mike Heise, Jeff Marihugh, Rex Moll

255 W. Riverview Ave.

Napoleon, Ohio 43545

(419) 592-4010 Phone

(419) 599-8393 Fax

Fax

BEILHARZ
ARCHITECTS
INCORPORATED
701 1/2 WEST FIRST
STREET • DEFIANCE
OHIO 43512
TELEPHONE NO.
419 • 782 • 6211
FAX • 419 • 782 • 8722

To: Adam Hoff

From: Jerry Overmier, Principal/Architect

Fax: 419.599.8393

Pages: 1

Phone:

Date: May 13, 1999

Re: Dr. Carpenter Dental Office

CC: File

Urgent For Review Please Comment Please Reply Please Recycle

● **Comments:**

Plan review response:

1. Please refer to attached Addendum No. 4, dated May 10, 1999, Item No. 5 which made the reduced pressure principle backflow assembly a part of the project. I might add that the specifications correctly identified the required device (Section 15410).
2. ODOT Item 304 backfill will be provided in lieu of Item 310.
3. We are not disturbing the existing rolled curb along Chelsea and Broadmoor. The Type 3 curb appears in good condition and would not be cost feasible for the owner to replace a section of the curb at the drives at this time.
4. Costs for the site improvement portion of the work will follow under separate cover. We more than likely will utilize the City's inspection services as stated. This arrangement however will be between the Owner and the City directly. Also, a check in the amount of \$50 was submitted with the plans and specifications for Zoning and plan review fees (see attached transmittal letter).
5. The Legal Description for utility easement at Napoleon High School was submitted to your office in December of 1996. I have included an additional copy along with the transmittal as to when it originally was submitted.
6. The request for a water main easement for the Napoleon Clinic project was forwarded to Kraig Beilharz for his response.

Please call if you have any further questions.

Thanks, Jerry

BEILHARZ
ARCHITECTS
INCORPORATED
701 1/2 WEST FIRST
STREET • DEFIANCE
OHIO 43512
TELEPHONE NO.
419 • 782 • 6211
FAX • 419 • 782 • 8722

May 10, 1999

NEW DENTAL OFFICE
DR. MICHAEL CARPENTER
NAPOLEON, OHIO

ADDENDUM NO. 4

This Addendum becomes a part of the Drawings and Specifications and modifies them only to the extent herein set forth. Each prime bidder is responsible for distribution of information conveyed by this Addendum to its subbidders and suppliers.

ITEM NO. 1: 00200 – Instructions to Bidders

Include an Alternate Bid, typed at the bottom of the Bid Form or attached on company letterhead, for clear anodized finish on aluminum entrances and storefronts and aluminum windows, in lieu of champagne color anodized. Clear anodized finish shall be AAMA 611; AA A31 anodized to 0.4 mil thickness, prepared with M12C22 pretreatment. Door hardware items scheduled for black finish shall be clear anodized.

ITEM NO. 2: Section 02630 – Storm Drainage

Storm sewer pipe, 30 inch size, shall be ASTM F794, PS 46, ribbed PVC pipe with smooth interior; ASTM D3212 bell and spigot joints with compression rubber sealing ring.

ITEM NO. 3: Section 08510 – Aluminum Windows

Window operating hardware shall be roto-operator type in lieu of cam handle latch. Window screens shall be manufacturer's standard type, without wickets.

ITEM NO. 4: Sheet C-2 – Site Utility and Grading Plan

Refer to Sheet C-2 dated 5-3-99; revise slope of 30 inch storm piping to 0.09% in lieu of 0.50%, with flow line elevations as follows:

CB #1:	673.00 30" W
CB #2:	673.20 30" N
	673.10 30" E
CB #3:	673.27 30" S

At CB #1, top of lid elevation shall be 678.71.

TERRY E. BEILHARZ, AIA, NCARB
PRESIDENT • ARCHITECT

KRAIG A. BEILHARZ, RA
PRINCIPAL • ARCHITECT

JERRY OVERMIER, RA
PRINCIPAL • ARCHITECT

JAMES J. BERNICKE
PRINCIPAL • MARKETING

•
•
A S S O C I A T E S

•
•
LEON RUCH, RA, NCARB
BILL BROWN, RA
KENT PURK, RA
STUART R. COOK
KEVIN WISCHMEYER

•
LYNN L. CLADY
INTERIOR DESIGNER

ITEM NO. 5: Sheet P-2 – Plumbing Isometric and Details

Water Service Riser: Backflow prevention device shall be reduced pressure type;
refer to Section 15410.

END OF ADDENDUM

D. Exterior Wall Hydrants: Zurn Z-1320; ASSE 1019; non-freeze, self-draining type, with stainless steel box and hinged cover with operating key lock, integral backflow preventer, straight inlet connection.

E. Backflow Preventers:

1. Reduced Pressure Backflow Preventers: ASSE 1013; type approved by governing authorities; bronze body with bronze internal parts and stainless steel springs; two independently operating, spring loaded check valves; diaphragm type differential pressure relief valve located between check valves; third check valve that opens under back pressure in case of diaphragm failure; non-threaded vent outlet; assembled with two gate valves, strainer, and four test cocks.

2. Atmospheric Type Vacuum Breakers: ASSE 1001.

a. Manufacturer: Watts Regulator Co., 288A series, or approved equal.

3. Pressure Type Vacuum Breakers: ASSE 1020.

a. Manufacturer: Watts Regulator Co., or approved equal.

b. Sizes ½ inch and Above: Watts No. 800.

c. Sizes Less than ½ inch: Watts No. N9.

F. Water Hammer Arrestors: Zurn Shoktrol Z-1700 series; ASME A112.26.1; stainless steel construction, bellows type sized in accordance with PDI WH-201, precharged suitable for operation in temperature range -100 to 300 degrees F and maximum 125 psi working pressure.

G. Pressure Reducing Valves: ASSE 1003.

H. Recessed Valve Box for Refrigerator: Plastic preformed rough-in box with brass valves with wheel handle, slip in finishing cover.

2.4 WATER HEATERS:

A. Manufacturer: Lochinvar Corporation.

1. Other Acceptable Manufacturers Offering Equivalent Products: A. O. Smith Water Products Company; PVI Industries, Inc.; State Industries, Inc.

2. Substitutions: Refer to Section 01600.

B. Electric Water Heaters: Lochinvar ET series commercial.

1. Tank: Glass lined welded steel, rated for 150 psi working pressure; magnesium anode corrosion inhibitor; thermally insulated with polyurethane and encased in corrosion-resistant steel jacket with baked enamel finish.

2. Controls: Automatic water thermostat, temperature range adjustable from 120 to 170 degrees F, automatic reset high temperature limiting thermostat factory set at 195 degrees F, immersion type copper sheathed and tin coated heating elements.

**BEILHARZ
ARCHITECTS**
INCORPORATED
701 1/2 WEST FIRST
STREET • DEFIANCE
OHIO 43512
TELEPHONE NO.
419 • 782 • 6211
FAX • 419 • 782 • 8722

**TRANSMITTAL
LETTER**

PROJECT: **New Dental Office**
610 Broadmoor Ave
Napoleon, Ohio

TO: **City of Napoleon**
255 West Riverview Ave.
Napoleon, Ohio 43545

TRANSMITTAL DATE: **May 13, 1999**
ARCHITECT'S PROJECT NO: **98-2412**

VIA:
 FAX
 MAIL
 U.P.S.
 OVERNIGHT
 HAND DELIVERED

ATTN: **Brent Damman**

WE TRANSMIT:

herewith under separate cover via: _____
 in accordance with your request: _____

FOR YOUR:

approval distribution to parties information
 review & comment record quotation
 use _____

THE FOLLOWING:

COPIES	DATE	NO.	DESCRIPTION	ACTION
2			Prints-Complete Sets	
1			Specification- Complete Manual	
1			Check- \$50.00 (Zoning and Plan Review)	
1			Calculations-Storm Drainage	

Please review and provide any comments prior to the bid due date of April 6.
I would also appreciate you having Adam look over the plans if he could take the time.

REMARKS: Should you have any questions or wish to discuss this project in more detail, please do not hesitate to call. Thanks.

- ACTION:**
- | | | |
|---|--------------------------|-----------------------|
| A. Action indicated on item transmitted | D. Approved as submitted | G. No action required |
| B. Please sign and return to this office | E. Approved as noted | H. See REMARKS |
| C. Please sign and forward as noted below | F. Revise and resubmit | I. For Your Use |

COPIES TO:

If enclosures are not as noted, inform us immediately. If checked below, please:
 Acknowledge receipt of enclosures. Return enclosures to us.

Dr. Michael Carpenter
File

BEILHARZ ARCHITECTS, INC.
By:
Jerry Overmier, RA
Principal/Architect

City of Napoleon

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To Jerry Overmier - Beilharz Architects
Fax No. (419) 782-8722
From Adam C. Hoff, P.E. - City Engineer *ACH*
Date 5/11/99
Subject Plan Review
Pages 1, including this one

We have reviewed the plans submitted for the dentist office for Dr. Michael Carpenter and developed the following comments:

- ✓ 1. Please provide my office with four (4) copies of revised plumbing details (Sht. P-2) showing a reduced pressure principle (RPZ) backflow assembly.
- ✓ 2. The trench detail shown on Sht. C-2 calls for ODOT Item 310 granular backfill. This needs to be changed to Item 304. ODOT removed Item 310 from their spec in 1997.
- ③ 3. Is it your intent to remove and replace the existing Type 3 curb along Chelsea and Broadmoor? It is my recommendation that this be done.
- ④ 4. Please provide my office with one (1) copy of your estimate for the proposed site improvements. If it is your intent to have the City provide inspection for the site improvements, an inspection fee of 1.5% of that estimate, plus contingencies, will be required. This 1.5% fee would also include the sewer inspection fee. Also, a plan review fee of \$25.00 is required.

On a separate topic, a fifteen (15) foot water main easement was required for the Napoleon Clinic project. We have yet to receive a description for this easement. Please have the description prepared and forwarded to my office. Also, easement descriptions have not been provided for the water and sanitary sewers across the high school property (bus garage construction). Please provide my office with a copy of that description.

If you have any questions or require additional information, please call me at 592-4010. Thank you.

c: Tony Druhot, Brent Damman, Mike Heise, Jeff Marihugh, Rex Moll

255 W. Riverview Ave.
Napoleon, Ohio 43545

(419) 592-4010 Phone
(419) 599-8393 Fax

Stormwater Runoff Calculations
SCS TR-55 and Ohio Supplement

Napoleon Dental Associates

Land Use Soil Type D (Fulton)	Pre-Development			Post-Development	
	CN	Area (Ac.)	CN x A	Area (Ac.)	CN x A
Impervious	98	0.00	0.00	0.33	32.02
Grass area	80	0.70	56.14	0.37	30.00
Totals		0.70	56.14	0.70	62.02
Weighted CN			80.00		88.38
Weighted S, TR-55 Eq.2-4			2.50		1.31
Initial Abstraction I(a), TR-55 T.4-1			0.500		0.273

Concentration Time	Pre-Development	Post-Development
Sheet Flow	Grass	Grass
Roughness Coefficient	0.4	0.4
Distance (ft)	158	86
Slope	1.88%	0.58%
Travel Time (min), TR-55 Eq.3-3	37.0	34.6

Sheet Flow	Asphalt
Roughness Coefficient	0.011
Distance (ft)	39
Slope	2.82%
Travel Time (min), TR-55 Eq.3-3	0.6

Sheet Flow	Grass
Roughness Coefficient	0.4
Distance (ft)	5
Slope	1.00%
Travel Time (min), TR-55 Eq.3-3	2.9

Shallow Concentrated Flow	Unpaved
Distance (ft)	28
Slope	1.25%
Velocity (ft/sec), TR-55 Fig.3-1	1.8
Travel Time (min), TR-55 Eq.3-1	0.3

Pipe Flow	PVC
Roughness Coefficient	0.010
Diameter (ft)	0.66
Distance (ft)	7
Slope	11.4%
Velocity (ft/sec), Manning	15.1
Travel Time (min), TR-55 Eq.3-1	0.0

Pipe Flow	PVC
Roughness Coefficient	0.010
Diameter (ft)	0.66
Distance (ft)	50
Slope	1.0%
Velocity (ft/sec), Manning	4.5
Travel Time (min), TR-55 Eq.3-1	0.2

Pipe Flow	PVC
Roughness Coefficient	0.010
Diameter (ft)	0.493
Distance (ft)	55
Slope	0.8%
Velocity (ft/sec), Manning	2.9
Travel Time (min), TR-55 Eq.3-1	0.3

Total Concentration Time (hr) 0.62 0.65

Date	5-3	# of pages	3
From	Janey D.		
Co.	Napoleon		
Phone #	419-782-6211		
Fax #	419-599-9393		
Post-it® Fax Note	7671	To	Christ Panamer
		Co./Dept.	
		Phone #	
		Fax #	

Stormwater Runoff Calculations
SCS TR-55 and Ohio Supplement

napoleon Dental Associates

Allowable Runoff and Required Storage					1	2	5	10	25	50	100
Frequency (years)											
Rainfall (Henry Co.), TR-55 T.OH-1					2.30	2.60	3.30	3.70	4.20	4.70	5.00
Pre-Development:											
I(e)/P					0.217	0.182	0.152	0.135	0.119	0.108	0.100
Unit Peak Discharge (cm/in), TR-55 App.F					474	474	474	474	474	474	474
Runoff (in), TR-55 Eq.2-1					0.75	0.88	1.48	1.80	2.21	2.63	2.89
Peak Discharge (cfs), TR-55 Eq.4-1					0.39	0.50	0.77	0.93	1.15	1.37	1.50
Post-Development:											
I(e)/P					0.119	0.105	0.083	0.074	0.065	0.058	0.055
Unit Peak Discharge (cm/in), TR-55 App.F					461	461	461	461	461	461	461
Runoff (in), TR-55 Eq.2-1					1.23	1.49	2.11	2.48	2.94	3.41	3.70
Peak Discharge (cfs), TR-55 Eq.4-1					0.62	0.75	1.07	1.25	1.49	1.73	1.87
Percent Increase in Runoff					63%						
Allowable Peak Discharge (cfs)					0.39	0.39	0.39	0.39	1.15	1.37	1.50
Stormwater Surface Elevation					74.62	77.32	77.62	78.04	78.11	78.15	78.17
Storage in Pipes					Length	Diameter	Area	Volume			
CB3 to CB2					78	2.50	4.81	382.9	382.9	382.9	382.9
CB2 to CB1					113	2.50	4.81	554.7	554.7	554.7	554.7
CB4 to CB1					50	0.66	0.34	Not Full	17.1	17.1	17.1
Total Storage Volume (cf)								937.6	954.7	954.7	954.7
Storage in Structures					Top Elev.	Bot. Elev.	Area	Volume			
CB3					78.20	74.41	9.00	1.9	28.2	30.7	32.7
CB2					77.80	73.97	9.00	5.9	30.1	34.5	34.5
CB4					78.90	75.63	4.00	None	6.0	8.0	8.8
CB1					78.35	73.35	8.00	10.2	31.6	35.6	37.5
Total Storage Volume (cf)								17.9	94.1	108.9	113.5
					Elev.	78.30					
Surface Storage at Structures					Area	Vol.					
CB3					78.20	119	4	None	None	None	None
CB2					77.80	1931	322	None	None	12.9	154.5
Pipe at CB4					77.30	4837	1546	None	30.9	603.7	1143.8
CB1					78.35	0	0	None	None	None	None
Total Storage Volume (cf)								0.0	30.9	616.6	1298.3
Total Storage Volume (cf)								955	1080	1880	2368
Outlet Pipe Discharge					Elev.	71.29	Roughness Coeff.	0.010	Diameter (ft)	0.33	
Detention depth (ft)						3.33	6.03	8.53	8.75	8.82	8.88
Total Hydraulic Grade						1.23%	2.23%	2.42%	2.50%	2.53%	2.54%
Total Pipe Discharge (cfs)						0.27	0.36	0.38	0.38	0.39	0.39
Overflow Discharge Q (cfs) allowable						NA	NA	NA	NA	0.76	0.88
Overflow Discharge					Elev.	78.05			Width of Weir (ft)	4.00	
Discharge over Weir (cfs)						0.00	0.00	0.00	0.00	0.19	0.41
Peak Outflow Discharge (cfs) Actual						0.27	0.36	0.38	0.38	0.58	0.60
						OK	OK	OK	OK	OK	OK
Storage Volume (TR-55 Worksheet 6a)											
Outflow Discharge (qo)/Inflow Discharge (qi)						0.43	0.48	0.35	0.31	0.39	0.46
Storage Vol./Runoff Vol. (TR-55 Fig. 6-1)						0.30	0.28	0.35	0.37	0.33	0.28
Runoff Volume (cf)						3132	3766	5378	6309	7494	8695
Storage Volume Required (cf)						955	1074	1859	2364	2448	2532
Actual Storage Volume Provided (cf)						955	1080	1880	2368	2521	2610
						OK	OK	OK	OK	OK	OK