

CITY OF NAPOLEON

BUILDING CONSTRUCTION PERMIT

Owner Name Gould Inc.
Address Route 421, East
Builder Name Gould Inc.
Address ... Tel. 502-3015

Lot Information:

Street No. 1400 E. Riverview Ave
Lot ... Subdivision ...
Lot Dimensions ... Lot Area ... Sq. Ft.
Yard Set Back: Front ... Rear ...
Side ... Side ...

PURPOSED 40'x30' INDUSTRIAL WASTEWATER TREATMENT FACILITY PLANT.
Sidewalk required in accordance with Ordinance No. ...

Building Information:

CHAPTER 88-69 OF O.B. CODE
LOCATED IN A "I-1" ZONE

Residence ... Commercial ... Industrial ...
Single ... Double ... Multiple ... New Construction ... Addition ... Remodel ...
Size: Length ... Width ... No. of Stories ...
Floor Area: 1st Floor ... 2nd Floor ... 3rd Floor ... Basement ...
Unfinished Attic ... Garage ...
Foundation: Piers ... Full Basement ... Part Basement ...
Concrete ... Block ...
Walls: Frame ... Block ... Brick ... Other ...
Electrical Outlets: 120v ... 240v ...
Plumbing: Fixtures ... Traps ... Vents ... Heating ... Air Conditioning ...

Additional Information: This permit requires compliance with the attached letter No. 9040-X1-X-16 and the attached addendum marked exhibit "A" and made a part hereof.

Date 8-28-75 Applicant Signature ... Owner - Builder - Agent

Inspection Record:

Work Started ... Foundations poured 8/12/75 inspected by T.W.P. Plumbing, Heating
Set Back, Side Lines ... Plumbing (Rough In) ... And Air Conditioning
Excavation ... Erecting Frame Completed 10/28/75 Roof
Footing poured 8/11/75 ck'd. by T.W.P. Electrical Work

Comments:

Certificate of Occupancy Issued

Pink - Engineer

Inspector

Table with columns: Fees, Base, Plus, Total. Rows include Construction, Basement, Detached Garage, Plumbing, Electrical, Heating, Air Conditioning, Water Tap, Sewer Tap, Temporary Electric, Total. Includes permit number and issued date.

CITY OF NAPOLEON

BUILDING CONSTRUCTION PERMIT

Owner Name Could Inc. Elastomer Products Div.  
 Address Route 421 East  
 Builder Name Could Inc.  
 Address Same Tel. 592-2055

Lot Information:

Street No. Route 421 East  
 Lot 1410 E. Pioneer Ave Subdivision Noted on site plans  
 Lot Dimensions Varies Lot Area site plans Sq. Ft.  
 Yard Set Back: Front --- Rear ---  
 Side --- Side ---

Sidewalk required in accordance with Ordinance

No. ---  
 (LOW TO MODERATE-HAZARD BUILDING)  
 CHAPTER BB-69 OF O.B. CODE

Building Information:

Residence --- Commercial --- Industrial X  
 Single --- Double --- Multiple --- New Construction X Addition --- Remodel ---  
 Size: Length 40' Width 30' No. of Stories 1  
 Floor Area: 1st Floor 1200sqft 2nd Floor --- 3rd Floor --- Basement ---  
 Unfinished Attic X Garage ---  
 Foundation: Piers --- Full Basement --- Part Basement ---  
 Concrete X Block ---  
 Walls: Frame Steel Block --- Brick --- Other Metal Siding  
 Electrical Outlets: 120v Noted on plans 240v ---  
 Plumbing: Fixtures --- Traps --- Vents --- Heating --- Air Conditioning ---

Additional Information: This permit requires compliance with the approved plans and the attached addendum marked exhibit "A" and made a part hereof.

Date 1-28-75 Applicant Signature [Signature] Owner - Builder - Agent

Inspection Record:

Work Started --- Foundations --- Plumbing, Heating ---  
 Set Back, Side Lines --- Plumbing (Rough In) --- And Air Conditioning ---  
 Excavation --- Erecting Frame Comp. 11/13/75 Roof ---  
 Footing --- Electrical Work Rough in Approved by Howes 11/13/75

Comments: 11/13/75 M.K. S. (Electrician) informed metal veneer inside & out must be grounded to water line. P.W.

Certificate of Occupancy Issued --- Inspector

Pink - Engineer

Inspector

Permit No. 311-758  
 Issued 1/20/75  
 By [Signature] Building Inspector  
 Estimated Cost Noted on Structural permit No. 311-75

Fees	Base	Plus	Total
Construction			
Basement			
Detached Garage			
Plumbing			
Electrical			
Heating			
Air Conditioning			
Water Tap			
Sewer Tap			
Temporary Electric			
Total			

LESS MINIMUM FEES PAID 8/1 \$16.80  
 AMOUNT DUE ---

PURPOSED 40'x30' INDUSTRIAL WASTEWATER TREATMENT FACILITY PLANT.  
 (LOW TO MODERATE-HAZARD BUILDING)  
 CHAPTER BB-69 OF O.B. CODE  
 LOCATED IN A "I-1" ZONE

8/21/75 Bob Jones wants Vapor Barrier for slab.  
I informed Max O. Today to let Job  
Foremen know. P.W.P.

**FLOYD G. BROWNE AND ASSOCIATES, LIMITED**  
CONSULTING ENGINEERS-PLANNERS

9040-MI-N-16  
City of Napoleon Plan Review

August 18, 1975

Mr. Pritam Arora  
Building Commissioner  
City of Napoleon  
City Building  
Napoleon, Ohio 43545

SUBJECT: INDUSTRIAL WASTEWATER TREATMENT FACILITIES  
GOULD, INC.

Dear Mr. Arora:

I have reviewed the plans and specifications prepared by Gould, Inc. for the subject project for compliance with Chapter BB 69 Classification (D) Special Industrial Buildings and have approved them for issuance of a structural building permit with the Conditions:

1. The personnel door shall be supplied with Type D hardware and a permanent-type sign reading The opening of this door from this side shall not require the use of a key during business hours.
2. Sheet 109 of the Plans the note on Ventilation should read, shall comply with Chapter BB 27 of the Ohio Building Code.

If you have any questions feel free to call.

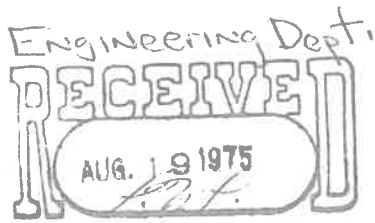
Very truly yours,

FLOYD G. BROWNE AND ASSOCIATES, LIMITED

*Robert C. Jones*  
Robert C. Jones, P.E.  
Chief Enforcement Official

RCJ:fbh

Note: 8/19/75 Metal siding must be properly grounded & bonded. Sec. BB-43-15.01 of O.B.C.  
P.W.P.



CITY OF NAPOLEON  
ENGINEERING DEPT.  
PLAN APPROVAL  
BY: *BJ* DATE: *8/18/75*  
*(P.W.P.)*



MARION OFFICE  
181 South Main Street  
P.O. Box 587  
Marion, Ohio 43302  
614-383-2187

\* NORTHWESTERN OFFICE  
703 North Perry Street  
P.O. Box 27  
Napoleon, Ohio 43545  
419-592-5771

EASTERN OFFICE  
5276 Fulton Drive  
Canton, Ohio 44718  
216-494-3324

INDIANA OFFICE  
Suite 501, First Savings Tower  
P.O. Box 1218  
Anderson, Indiana 46015  
317-644-3676

YOUNGSTOWN OFFICE  
25 East Boardman  
Youngstown, Ohio 44503  
216-747-3175

MEMBERS  
E. B. Butler, P.E.  
T. J. Dunn, Sr. P.E.  
R. C. Jones, P.E.  
M. L. Koehler, P.E.  
H. R. Lloyd, P.E.  
C. R. Martin, P.E.  
L. E. Rigby, P.E.  
D. L. Tesmer, P.E.  
C. W. Wright, P.E.

ASSOCIATES  
R. M. Blank, P.E.  
G. G. Geis, A.I.P.  
R. L. Haas, C.E.T.  
W. R. Hill, C.E.T.  
J. M. Keevil, P.E.  
T. Kraschinsky, Jr., P.E.  
R. C. Lewis  
D. E. Mackling, P.E.  
A. P. Mahatekar, P.E.  
J. E. Miller, P.E.  
H. L. Mumaw, P.E.  
J. Y. Roberson, P.E.  
F. X. Waldo, P.E.



8/27/75 conc. slab poured. No vapor barrier, advised Don Angle  
cut -w control joint and provide wood float finish  
instead of smooth surface. J.P.

ENGINEERING DEPARTMENT  
INTEROFFICE COMMUNICATION

Date: 8/21/75

To: Engineering Dept. From: Tom Terranova

Subject: Vapor Barrier under slabs.

On: 8/21/75 ck'd with Bob Jones on requirements regarding vapor barrier under conc. slab for water treatment plant @ Gould. Bob's opinion it would be advisable & of a benefit to the Owner if installed. Same day I informed Max of Lanzer Co. One hr. later Mel Lanzer called asking for section of code requiring Vapor Barrier. I informed Lanzer at the time I did not know the code section, but was only advising installation. But since that conversation I have located this requirement in the code. Section BB-5-19 Accredited Authoritative Agencies refers to (P.C.A.) Portland Cement Association standards, which suggested specs for subgrade prep is a "waterproof membrane under slab".

Tom Terranova



# TOLEDO TESTING LABORATORY

INSPECTING AND TESTING ENGINEERS

Concrete Cylinder Report

MAIN BUILDING WALL

TELEPHONE  
241-7175

Report of Compression Test on Concrete specimens representing material used in:

Tested For..... Mel Lanzer Company..... Project NO  
Concrete Supplier..... Saneholtz Supply Co......

Mix.....  
Designed Stg. @ 28 Days..... 3000#  
W/C: Gal./sack.....  
Slump.....  
Wt./cu. ft.....  
Field Yield.....

Source  
Aggregate—Fine..... Gerken Materials  
Aggregate—Coarse "A"..... #57 - Pugh Quarry  
Aggregate—Coarse "B".....  
Cement.....

Capacity of Mixer.....  
Type of Mixer.....  
Mixing Time.....  
Temperature of Concrete..... \*F. Atmospheric.....

### BATCH PROPORTIONS

Aggregates:	Saturated-Surface Dry Weights	Wet Weight	Dry Loose Volumes	Damp Loose Volumes
Portland Cement.....		<u>517#</u>	<u>(5.5 sacks)</u>	
Fine Aggregate.....		<u>1400</u>		
Coarse Aggregate "A".....		<u>1760</u>		
Coarse Aggregate "B".....				
Water—Added.....		<u>FREE</u>	<u>30 gal./cu.yds.</u>	
Water—Total.....				

Admixture..... DAREX: 9.75 oz.  
Cylinders made..... 8-12-75..... Tested..... 9-9-75  
Length — inches..... 12 12

### COMPRESSIVE STRENGTH

AGE (days)	CYLINDER WEIGHT (lb.)	WEIGHT CU. FT. (lb.)
<u>27</u>	<u>13/16</u>	<u>141.56</u>
<u>27</u>	<u>3/4</u>	<u>141.25</u>

Remarks:

2cc: Mel Lanzer Company

dd

# TOLEDO TESTING LABORATORY, INC.

INSPECTING AND TESTING ENGINEERS

OFFICES  
1810 N. 12th Street  
TOLEDO, OHIO 43624

TELEPHONE  
241-7175

## Concrete Cylinder Report

SEPTEMBER 24, 1975  
GOULD, INCORPORATED  
NAPOLEON, OHIO

Report of Compression Test on Concrete specimens representing material used in:

BUILDING FLOOR

Laboratory No. 397831  
Identification GLD-6  
P. O. No.

Tested For Mel Lanzer Company Project no. 544-75  
Concrete Supplier Saneholtz Supply Co.

Mix	Slump	Abs. Vol. Yield
Designed Stg. @ 28 Days	Wt./cu. ft.	Entrained Air
W/C: Gal./sack	Field Yield	Meter
Source		
Aggregate—Fine	Size	No. mesh
Aggregate—Coarse "A"	Size	No. mesh
Aggregate—Coarse "B"	Size	No. mesh
Cement	Type	Bia #

Capacity of Mixer	Cement Factor, sacks/cu. yd.
Type of Mixer	Free water in Fine Aggregate
Mixing Time	Free water in Coarse Aggregate "A"
Temperature of Concrete	Free water in Coarse Aggregate "B"

### BATCH PROPORTIONS

### CURING OF CYLINDERS

Aggregates:	Saturated-Surface Dry Weights	Wet Weight	Dry Loose Volumes	Damp Loose Volumes
Portland Cement		561#	(6.0 sacks)	
Fine Aggregate		1340		
Coarse Aggregate "A"		1760		
Coarse Aggregate "B"				
Water— <del>XXXX</del> FREE		28 gal./cu. yds.		
Water—Total				
Admixture	DAREX: 7.0 oz./yard of concrete			
Cylinders made	8-27-75	Tested	9-24-75	Dia. 6" Area, sq. in. 28.27
Length — inches	12		12	Ends Capped with Cylcap

Dry Air Temp	to	°F.
Period	7 days on site	
Damp Sand	to	°F.
Period		
Moist Room, Standard Curing, 70° F., 95% Humidity		
Period	21 days	
Weather	Mean Temp	°F.

### COMPRESSIVE STRENGTH

AGE (days)	CYLINDER WEIGHT (lb.)	WEIGHT CU. FT. (lb.)	TOTAL LOAD (lb.)	COMPRESSIVE STRENGTH (lb./sq. in.)
7	27 5/8	140.61	95,500	3378
28	28 1/16	142.84	132,000	4669

Remarks:

Orig. & 2cc: Mel Lanzer Company

Made by Virgil Schroeder

MAS

jb



NAPoleon



# TOLEDO TESTING LABORATORY, INC.

## INSPECTING AND TESTING ENGINEERS

OFFICES  
1810 N. 12th Street  
TOLEDO, OHIO 43624

TELEPHONE  
241-7175

### Concrete Cylinder Report

SEPTEMBER 3, 1975  
GOULD, INCORPORATED  
NAPoleon, OHIO

BUILDING FLOOR

MEL LANZER CO

Laboratory No. 397831  
Identification GLD-6  
P. O. No.

Report of Compression Test on Concrete specimens representing material used in:

Tested For: Mel Lanzer Company Project No. 511-75  
Concrete Supplier: Saneholtz Supply Co.

Mix	Slump	Abs. Vol. Yield
Designed Stg. @ 28 Days	Wt./cu. ft.	Entrained Air
W/C: Gal./sack	Field Yield	Meter
Aggregate—Fine	Size	mesh to mesh
Aggregate—Coarse "A"	Size	mesh to mesh
Aggregate—Coarse "B"	Size	mesh to mesh
Cement	Type	Bin #

Capacity of Mixer	Cement Factor, sacks/cu. yd.
Type of Mixer	Free water in Fine Aggregate
Mixing Time	Free water in Coarse Aggregate "A"
Temperature of Concrete	Free water in Coarse Aggregate "B"

#### BATCH PROPORTIONS

Aggregates:	Saturated-Surface Dry Weights	Wet Weight	Dry Loose Volumes	Damp Loose Volumes
Portland Cement		561#	(6.0 sacks)	
Fine Aggregate		1340		
Coarse Aggregate "A"		1760		
Water— <del>sack</del> FREE		28 gallons		
Water—Total		28 gallons		
Admixture DAREX		7.0 oz./yard of concrete		

#### CURING OF CYLINDERS

Dry Air Temp.	to	°F.
Period	7 days on site	
Damp Sand	to	°F.
Period		
Moist Room, Standard Curing, 70° F., 95% Humidity		
Period		
Weather	Mean Temp.	°F.

Cylinders made: 8-27-75 Tested: 9-3-75 Dia: 6" Area, sq. in. 28.27 Ends Capped with Cylcap  
Length — inches: 12

#### COMPRESSIVE STRENGTH

AGE (days)	CYLINDER WEIGHT (lb.)	WEIGHT CU. FT. (lb.)	TOTAL LOAD (lb.)	COMPRESSIVE STRENGTH (lb./sq. in.)
7	27 5/8	140.61	95,500	3378
28 day report to follow 9-24-75				

Remarks: Orig. & 2cc: Mel Lanzer Company

Made by Virgil Schroeder

MAS

sl

Neil R. Blaksley  
Neil R. Blaksley, P.E.  
General Manager



# TOLEDO TESTING LABORATORY, INC.

OFFICES  
1810 N. 12th Street  
TOLEDO, OHIO 43624

INSPECTING AND TESTING ENGINEERS

TELEPHONE  
241-7175

## Concrete Cylinder Report

BIG PIT

AUGUST 8 1975  
GOULD, INCORPORATED  
NAPOLEON, OHIO

Report of Compression Test on Concrete specimens representing material used in:

Laboratory No. 397463  
Identification GLD-1  
P. O. No.

Tested For Mel Lanzer Company Project No. 544-75  
Concrete Supplier

Mix.....	Slump .....	Abs. Vol. Yield.....
Designed Stg. @ 28 Days <u>3000#</u>	Wt./cu. ft. ....#	Entrained Air.....%
W/C: Gal./sack.....	Field Yield.....cu. ft.	Meter.....
Source		
Aggregate—Fine <u>Gerken Material</u>	Size <u>0"</u> mesh to <u>No. 4</u> mesh	
Aggregate—Coarse "A" <u>#57 Pugh Quarry</u>	Size <u>1"</u> mesh to <u>No. 4</u> mesh	
Aggregate—Coarse "B".....	Size.....mesh to.....mesh	
Cement.....	Type.....	Bin #.....

Capacity of Mixer.....	Cement Factor, sacks/cu. yd.....
Type of Mixer.....	Free water in Fine Aggregate.....%
Mixing Time.....	Free water in Coarse Aggregate "A".....%
Temperature of Concrete.....°F. Atmospheric.....°F.	Free water in Coarse Aggregate "B".....%

### BATCH PROPORTIONS

Aggregates:	Saturated-Surface Dry Weights	Wet Weight	Dry Loose Volumes	Damp Loose Volumes
Portland Cement.....		<u>517#</u>	<u>(5.5 sacks)</u>	
Fine Aggregate.....	<u>1100</u>			
Coarse Aggregate "A".....	<u>1760</u>			
Coarse Aggregate "B".....				
Water— <del>added</del> <u>FREE</u>		<u>30 gallons</u>		
Water—Total.....				
Admixture <u>DAREX: 8.0 oz.</u>				

### CURING OF CYLINDERS

Dry Air Temp.....to.....°F.
Period <u>6 days on site</u>
Damp Sand.....to.....°F.
Period.....
Moist Room, Standard Curing, 70° F., 95% Humidity
Period <u>1 day</u>
Weather.....Mean Temp.....°F.

Cylinders made 8-1-75 Tested 8-8-75 Dia. 6" Area, sq. in. 28.27 Ends Capped with Cylcap  
Length — inches 12

### COMPRESSIVE STRENGTH

AGE (days)	CYLINDER WEIGHT (lb.)	WEIGHT CU. FT. (lb.)	TOTAL LOAD (lb.)	COMPRESSIVE STRENGTH (lb./sq. in.)
7	27	137.43	49,000	1733
28 day report to follow 8-29-75				

Remarks: Orig. & 2cc: Mel Lanzer Co. Made by Virgil Schroeder MAS

sl

*Neil R. Blaksley*  
Neil R. Blaksley, P.E.  
General Manager



NAPOLEON



# TOLEDO TESTING LABORATORY, INC.

OFFICES  
1810 N. 12th Street  
TOLEDO, OHIO 43624

INSPECTING AND TESTING ENGINEERS

TELEPHONE  
241-7175

## SEP 1 Concrete Cylinder Report

SEPTEMBER 8, 1975  
GOULD, INCORPORATED  
NAPOLEON, OHIO

Report of Compression Test on Concrete specimens representing material used in:

LANZER CO. PIT FOOTINGS

Laboratory No. 397583  
Identification GLD-4  
P. O. No.

Tested For: Mel Lanzer Company Project No. 544-75  
Concrete Supplier: Saneholtz Supply Co.

Mix.....	Slump .....	Abs. Vol. Yield.....
Designed Stg. @ 28 Days. 3000#	Wt./cu. ft. ....#	Entrained Air.....%
W/C: Gal./sack.....	Field Yield.....cu. ft.	Meter.....
Source		
Aggregate—Fine. Gerken Materials		Size. 0" mesh to No. 4 mesh
Aggregate—Coarse "A" #57 - Pugh Quarry		Size. 1" mesh to No. 4 mesh
Aggregate—Coarse "B"		Size.....mesh to.....mesh
Cement.....		Type..... Bin #.....

Capacity of Mixer.....	Cement Factor, sacks/cu. yd.....
Type of Mixer.....	Free water in Fine Aggregate.....%
Mixing Time .....	Free water in Coarse Aggregate "A".....%
Temperature of Concrete.....°F. Atmospheric.....°F.	Free water in Coarse Aggregate "B".....%

### BATCH PROPORTIONS

Aggregates:	Saturated Surface Dry Weights	Wet Weight	Dry Loose Volumes	Damp Loose Volumes
Portland Cement.....		517#	(5.5 sacks)	
Fine Aggregate.....		1400		
Coarse Aggregate "A".....		1760		
Coarse Aggregate "B".....				
Water— <del>water</del> FREE.....		30 gal./cu. yds.		
Water—Total.....				
Admixture. DAREX: 9.75 oz.				

### CURING OF CYLINDERS

Dry Air Temp.....to.....°F.
Period ..... 3 days on site
Damp Sand .....to.....°F.
Period .....
Moist Room, Standard Curing, 70° F., 95% Humidity
Period ..... 25 days
Weather..... Mean Temp.....°F.

Cylinders made. 8-11-75 Tested 9-8-75 Dia. 6" Area, sq. in. 28.27 Ends Capped with Cylcap  
Length — inches. 12 11 15/16

### COMPRESSIVE STRENGTH

AGE (days)	CYLINDER WEIGHT (lb.)	WEIGHT CU. FT. (lb.)	TOTAL LOAD (lb.)	COMPRESSIVE STRENGTH (lb./sq. in.)
7	27 5/16	139.02	66,000	2334
28	27 11/16	141.76	87,000	3077

Remarks: Orig. & 2cc: Mel Lanzer Company

Made by Virgil Schroeder MAS

sl

Neil R. Blaksley  
Neil R. Blaksley, P.E.  
General Manager



# TOLEDO TESTING LABORATORY, INC.

OFFICES  
1810 N. 12th Street  
TOLEDO, OHIO 43624

TELEPHONE  
241-7175

RECEIVED  
AUG 21 1975

INSPECTING AND TESTING ENGINEERS

## Concrete Cylinder Report

AUGUST 19, 1975  
GOULD, INCORPORATED  
NAPLEON, OHIO

Report of Compression Test on Concrete specimens representing material used in:

MAIN BUILDING WALL

Laboratory No. 3975B4  
Identification GLD-5  
P. O. No.

Tested For: Mel Lanzer Company Project No. 544-75  
Concrete Supplier: Sanholtz Supply Co.

Mix	Slump	Abs. Vol. Yield
Designed Stg. @ 28 Days <u>3000#</u>	Wt./cu. ft. #	Entrained Air %
W/C: Gal./sack	Field Yield cu. ft.	Meter
Source		
Aggregate—Fine <u>Gerken Material</u>	Size <u>0"</u> mesh to No. <u>4</u> mesh	
Aggregate—Coarse "A" <u>#57 - Pugh Quarry</u>	Size <u>1"</u> mesh to No. <u>4</u> mesh	
Aggregate—Coarse "B"	Size mesh to mesh	
Cement	Type	Bin #

Capacity of Mixer	Cement Factor, sacks/cu. yd.
Type of Mixer	Free water in Fine Aggregate %
Mixing Time	Free water in Coarse Aggregate "A" %
Temperature of Concrete °F. Atmospheric °F.	Free water in Coarse Aggregate "B" %

### BATCH PROPORTIONS

Aggregates:	Saturated-Surface Dry Weights	Wet Weight	Dry Loose Volumes	Damp Loose Volumes
Portland Cement		<u>517#</u>	<u>(5.5 sacks)</u>	
Fine Aggregate	<u>1400</u>			
Coarse Aggregate "A"	<u>1760</u>			
Coarse Aggregate "B"				
Water— <del>ADDED</del> FREE		<u>30 gal./cu. yds.</u>		
Water—Total				
Admixture <u>DAREX: 9.75 ounces</u>				

### CURING OF CYLINDERS

Dry Air Temp. to °F.	
Period <u>2 days on site</u>	
Damp Sand to °F.	
Period	
Moist Room, Standard Curing, 70° F., 95% Humidity	
Period <u>5 days</u>	
Weather	Mean Temp. °F.

Cylinders made 8-12-75 Tested 8-19-75 Dia. 6" Area, sq. in. 28.27 Ends Capped with Cylcap  
Length — inches 12

### COMPRESSIVE STRENGTH

AGE (days)	CYLINDER WEIGHT (lb.)	WEIGHT CU. FT. (lb.)	TOTAL LOAD (lb.)	COMPRESSIVE STRENGTH (lb./sq. in.)
7	27 13/16	141.56	71,000	2511

Remarks:

Orig. & 2cc: Mel Lanzer Company

Made by Virgil Schroeder

sl

Neil R. Blaksley  
Neil R. Blaksley, P.E.  
General Manager



# TOLEDO TESTING LABORATORY, INC.

OFFICES  
1810 N. 12th Street  
TOLEDO, OHIO 43624

INSPECTING AND TESTING ENGINEERS

AUG 21 1975

TELEPHONE  
241-7175

MEL LANZER CO.

## Concrete Cylinder Report

### PIT FOOTINGS

Report of Compression Test on Concrete specimens representing material used in:

AUGUST 18, 1975  
GOULD, INCORPORATED  
NAPOLEON, OHIO

Laboratory No. 397583  
Identification GLD-4  
P. O. No.

Tested For..... Mel Lanzer Company Project No. 544-75  
Concrete Supplier..... Saneholtz Supply Co.

Mix.....	Slump .....	Abs. Vol. Yield.....
Designed Stg. @ 28 Days. <u>3000#</u>	Wt./cu. ft..... #	Entrained Air..... %
W/C: Gal./sack.....	Field Yield..... cu. ft.	Meter.....
Source.....		
Aggregate—Fine..... <u>Gerken Material</u>		Size <u>0"</u> mesh to <u>No. 4</u> mesh
Aggregate—Coarse "A"..... <u>#57 - Pugh Quarry</u>		Size <u>1"</u> mesh to <u>No. 4</u> mesh
Aggregate—Coarse "B".....		Size..... mesh to..... mesh
Cement.....		Type..... Bin #.....

Capacity of Mixer.....	Cement Factor, sacks/cu. yd.....
Type of Mixer.....	Free water in Fine Aggregate..... %
Mixing Time.....	Free water in Coarse Aggregate "A"..... %
Temperature of Concrete..... °F. Atmospheric..... °F.	Free water in Coarse Aggregate "B"..... %

#### BATCH PROPORTIONS

Aggregates:	Saturated-Surface Dry Weights	Wet Weight	Dry Loose Volumes	Damp Loose Volumes
Portland Cement.....		<u>517#</u>	<u>(5.5 sacks)</u>	
Fine Aggregate.....		<u>1400</u>		
Coarse Aggregate "A".....		<u>1760</u>		
Coarse Aggregate "B".....				
Water—Added <u>FREE</u>		<u>30 gal./cu. yd.</u>		
Water—Total.....				
Admixture.....	<u>DAREX: 9.75 oz.</u>			

#### CURING OF CYLINDERS

Dry Air Temp..... to..... °F.
Period..... <u>3 days on site</u>
Damp Sand..... to..... °F.
Period.....
Moist Room, Standard Curing, 70° F., 95% Humidity
Period..... <u>4 days</u>
Weather..... Mean Temp..... °F.

Cylinders made..... 8-11-75 Tested..... 8-18-75 Dia..... 6" Area, sq. in. 28.27 Ends Capped with Cylcap  
Length — inches..... 12

#### COMPRESSIVE STRENGTH

AGE (days)	CYLINDER WEIGHT (lb.)	WEIGHT CU. FT. (lb.)	TOTAL LOAD (lb.)	COMPRESSIVE STRENGTH (lb./sq. in.)
7	27 5/16	139.02	66,000	2334
28 day report to follow on 9-8-75				

Remarks:  
Orig. & 2cc: Mel Lanzer Co.

Made by Virgil Schroeder

MAS

bd

*Neil R. Blaksley*  
Neil R. Blaksley, P.E.  
General Manager



CITY OF  
 TOLEDO  
 TOM  
 Report of Compression Test on Concrete  
 specimens representing material used in:

# TOLEDO TESTING LABORATORY, INC.

OFFICES  
 1810 N. 12th Street  
 TOLEDO, OHIO 43624

INSPECTING AND TESTING ENGINEERS

## Concrete Cylinder Report

PIT WALL

SEPTEMBER 4, 1975  
 GOULD INCORPORATED  
 NAPOLEON, OHIO

Laboratory No. 397582  
 Identification GLD-3  
 P. O. No.

Tested For: Mel Lanzer Company Project No. 544-75  
 Concrete Supplier: Sanholtz Supply Co.

Mix.....	Slump .....	Abs. Vol. Yield.....
Designed Stg. @ 28 Days. <u>3000#</u>	Wt./cu. ft..... #	Entrained Air..... %
W/C: Gal./sack.....	Field Yield..... cu. ft.	Meter.....
Source		
Aggregate—Fine. <u>Gerken Material</u>	Size. <u>0"</u> mesh to <u>No. 4</u> mesh	
Aggregate—Coarse "A" <u>#57 - Pugh Quarry</u>	Size. <u>1"</u> mesh to <u>No. 4</u> mesh	
Aggregate—Coarse "B".....	Size..... mesh to..... mesh	
Cement.....	Type.....	Bin #.....

Capacity of Mixer.....	Cement Factor, sacks/cu. yd.....
Type of Mixer.....	Free water in Fine Aggregate..... %
Mixing Time .....	Free water in Coarse Aggregate "A"..... %
Temperature of Concrete..... °F. Atmospheric..... °F.	Free water in Coarse Aggregate "B"..... %

### BATCH PROPORTIONS

### CURING OF CYLINDERS

Aggregates:	Saturated Surface Dry Weights	Wet Weight	Dry Loose Volumes	Damp Loose Volumes
Portland Cement.....		<u>517# (5.5 sacks)</u>		
Fine Aggregate.....		<u>1400</u>		
Coarse Aggregate "A".....		<u>1760</u>		
Coarse Aggregate "B".....				
Water— <del>Subst.</del> FREE.....		<u>30 gal./cu. yd.</u>		
Water—Total.....				
Admixture.....	<u>DAREX: 9.75 oz.</u>			

Dry Air Temp..... to..... °F.
Period .....
Damp Sand .....
Period .....
Moist Room, Standard Curing, 70° F., 95% Humidity
Period .....
Weather.....
Mean Temp..... °F.

Cylinders made 8-7-75 Tested 9-4-75 Dia. 6" Area, sq. in. 28.27 Ends Capped with Cylcap  
 Length — inches 12 12 1 1/16

### COMPRESSIVE STRENGTH

AGE (days)	CYLINDER WEIGHT (lb.)	WEIGHT CU. FT. (lb.)	TOTAL LOAD (lb.)	COMPRESSIVE STRENGTH (lb./sq. in.)
7	27 15/16	140.48	80,000	2830
28	27 15/16	141.64	111,000	3926

Remarks:

Orig. & 2cc: Mel Lanzer Company

Made by Virgil Schroeder

MAS

jb

Neil R. Blaksley  
 Neil R. Blaksley, P.E.  
 General Manager



# TOLEDO TESTING LABORATORY, INC.

OFFICES  
1810 N. 12th Street  
TOLEDO, OHIO 43624

INSPECTING AND TESTING ENGINEERS

## Concrete Cylinder Report

AUG 20 1975

PIT WALL

MEL LANZER CO.

AUGUST 11, 1975

GOULD, INCORPORATED

NAPOLEON, OHIO

Laboratory No. 397582

Identification GLD-3

P. O. No.

Report of Compression Test on Concrete specimens representing material used in:

Tested For: Mel Lanzer Company Project No. 514-75  
Concrete Supplier: Saneholtz Supply Co.

Mix.....	Slump .....	Abs. Vol. Yield.....
Designed Stg. @ 28 Days. <u>3000#</u>	Wt./cu. ft. .... #	Entrained Air..... %
W/C: Gal./sack.....	Field Yield..... cu. ft.	Meter.....
Source		
Aggregate—Fine..... <u>Gerken Material</u>		Size. <u>0"</u> mesh to No. <u>4</u> mesh
Aggregate—Coarse "A"..... <u>#57 - Pugh Quarry</u>		Size. <u>1"</u> mesh to No. <u>4</u> mesh
Aggregate—Coarse "B".....		Size..... mesh to..... mesh
Cement.....		Type..... Bin #.....

Capacity of Mixer.....	Cement Factor, sacks/cu. yd.....
Type of Mixer.....	Free water in Fine Aggregate..... %
Mixing Time .....	Free water in Coarse Aggregate "A"..... %
Temperature of Concrete..... °F. Atmospheric..... °F.	Free water in Coarse Aggregate "B"..... %

### BATCH PROPORTIONS

### CURING OF CYLINDERS

Aggregates:	Saturated-Surface		Wet Weight	Dry Loose		Damp Loose	
	Dry Weights			Volumes		Volumes	
Portland Cement.....	<u>517#</u>		<u>(5.5 sacks)</u>				
Fine Aggregate.....	<u>1400</u>						
Coarse Aggregate "A".....	<u>1760</u>						
Coarse Aggregate "B".....							
Water— <del>total</del> <u>FREE</u> .....			<u>30 gal./cu. yds.</u>				
Water—Total.....							
Admixture. <u>DAREX</u> .....	<u>9.75 ounces</u>						

Dry Air Temp..... to..... °F.	Mean Temp..... °F.
Period .....	
Damp Sand .....	
Period .....	
Moist Room, Standard Curing, 70° F., 95% Humidity	
Period .....	
Weather.....	

Cylinders made 8-7-75 Tested 8-14-75 Dia. 6" Area, sq. in. 28.27 Ends Capped with Cylcap  
Length — inches 12

### COMPRESSIVE STRENGTH

AGE (days)	CYLINDER WEIGHT (lb.)	WEIGHT CU. FT. (lb.)	TOTAL LOAD (lb.)	COMPRESSIVE STRENGTH (lb./sq. in.)
7	27 7/16	110.48	80,000	2830
28 day report to follow 9-1-75				

Remarks: Orig. & 2cc: Mel Lanzer Co.

Made by Virgil Schroeder

MAS

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*Neil R. Blaksley*  
Neil R. Blaksley, P.E.  
General Manager



# TOLEDO TESTING LABORATORY, INC.

OFFICES  
1810 N. 12th Street  
TOLEDO, OHIO 43624

INSPECTING AND TESTING ENGINEERS

TELEPHONE  
241-7175

## Concrete Cylinder Report

SEPTEMBER 3, 1975  
GOULD INCORPORATED  
NAPOLEON, OHIO

Report of Compression Test on Concrete specimens representing material used in:

Laboratory No. 397464  
Identification GLD-2  
P. O. No.

RECEIVED  
SEP 4 1975  
MEL LANZER CO.

Tested For: Mel Lanzer Co. Project No. 544-75  
Concrete Supplier:

Mix.....	Slump .....	Abs. Vol. Yield.....
Designed Stg. @ 28 Days. 3000#	Wt./cu. ft. #	Entrained Air.....%
W/C: Gal./sack.....	Field Yield.....cu. ft.	Meter.....
Source		
Aggregate—Fine. Gerken Material		Size 0" mesh to No. 4 mesh
Aggregate—Coarse "A" #57 - Pugh Quarry		Size 1" mesh to No. 4 mesh
Aggregate—Coarse "B"		Size..... mesh to..... mesh
Cement.....		Type..... Bin #.....

Capacity of Mixer.....	Cement Factor, sacks/cu. yd.....
Type of Mixer.....	Free water in Fine Aggregate.....%
Mixing Time .....	Free water in Coarse Aggregate "A".....%
Temperature of Concrete.....°F. Atmospheric 73° F.	Free water in Coarse Aggregate "B".....%

### BATCH PROPORTIONS

### CURING OF CYLINDERS

Aggregates:	Saturated Surface Dry Weights	Wet Weight	Dry Loose Volumes	Damp Loose Volumes	Dry Air Temp.....to.....°F.
Portland Cement.....	517#	(5.5 sacks)			Period 1 day on site
Fine Aggregate.....	1400				Damp Sand.....to.....°F.
Coarse Aggregate "A".....	1760				Period.....
Coarse Aggregate "B".....					Moist Room, Standard Curing, 70° F., 95% Humidity
Water—Added.....					Period 27 days
Water—Total.....	30 gals.				Weather.....
Admixture.....	DAREX: 9.75 oz.				Mean Temp.....°F.
Cylinders made.....	8-6-75	Tested.....	9-3-75	Dia. 6" Area, sq. in. 28.27	Ends Capped with Cylcap
Length — inches.....	12 11 15/16				

### COMPRESSIVE STRENGTH

AGE (days)	CYLINDER WEIGHT (lb.)	WEIGHT CU. FT. (lb.)	TOTAL LOAD (lb.)	COMPRESSIVE STRENGTH (lb./sq. in.)
7	27 1/2	139.97	87,000	3077
28	27 9/16	141.12	107,000	3785

Remarks:

Orig. & 2cc: Mel Lanzer Company

Made by Virgil Schroeder

MAS

bd

Neil R. Blaksley  
Neil R. Blaksley, P.E.  
General Manager





# TOLEDO TESTING LABORATORY, INC.

OFFICES  
1810 N. 12th Street  
TOLEDO, OHIO 43624

TELEPHONE  
241-7175

INSPECTING AND TESTING ENGINEERS

## Concrete Cylinder Report

RECEIVED  
AUG 15 1975  
MEL LANZER CO.  
AUGUST 13, 1975  
GOULD, INCORPORATED  
NAPOLEON, OHIO

Report of Compression Test on Concrete specimens representing material used in:

Laboratory No. 397464  
Identification GLD-2  
P. O. No.

Tested For Mel Lanzer Company Project No. 544-75  
Concrete Supplier

Mix	Slump	Abs. Vol. Yield
Designed Stg. @ 28 Days <u>3000</u>	Wt./cu. ft. #	Entrained Air %
W/C: Gal./sack	Field Yield cu. ft.	Meter
Source		
Aggregate—Fine <u>Garden Material</u>	Size <u>0"</u> mesh to <u>No. 4</u> mesh	
Aggregate—Coarse "A" <u>#57 - High Quarry</u>	Size <u>1"</u> mesh to <u>No. 4</u> mesh	
Aggregate—Coarse "B"	Size mesh to mesh	
Cement	Type	Bin #

Capacity of Mixer	Cement Factor, sacks/cu. yd.
Type of Mixer	Free water in Fine Aggregate %
Mixing Time	Free water in Coarse Aggregate "A" %
Temperature of Concrete <u>73</u> °F. Atmospheric	Free water in Coarse Aggregate "B" %

Aggregates:	BATCH PROPORTIONS			
	Saturated-Surface Dry Weights	Wet Weight	Dry Loose Volumes	Damp Loose Volumes
Portland Cement		<u>517# (5.5 sacks)</u>		
Fine Aggregate		<u>1100</u>		
Coarse Aggregate "A"		<u>1760</u>		
Coarse Aggregate "B"				
Water—Added		<u>30 gals.</u>		
Water—Total				
Admixture <u>DAREX</u>		<u>9.75 oz.</u>		

Cylinders made 8-6-75 Tested 8-13-75 Dia. 6 " Area, sq. in. 28.27  
Length — inches 12 Ends Capped with Cylcap

CURING OF CYLINDERS	
Dry Air Temp. to	°F.
Period	<u>1 day on site</u>
Damp Sand to	°F.
Period	
Moist Room, Standard Curing, 70° F., 95% Humidity	
Period	<u>6 days</u>
Weather Mean Temp.	°F.

### COMPRESSIVE STRENGTH

AGE (days)	CYLINDER WEIGHT (lb.)	WEIGHT CU. FT. (lb.)	TOTAL LOAD (lb.)	COMPRESSIVE STRENGTH (lb./sq. in.)
7	27 1/2	139.97	87,000	3077
28 day report to follow 9-3-75				

Remarks:

Orig. & 2cc: Mel Lanzer Co.

Made by Virgil Schroeder

MAS

jb

*Neil R. Blaksley*  
Neil R. Blaksley, P.E.  
General Manager

R. L. GERMANN, PE, PS

June 25, 1975

City of Napoleon  
Building Division  
Napoleon, Ohio 43545

CERTIFICATE of COMPLIANCE

Project: Gould Inc.  
Industrial Waste Water Treatment  
Napoleon, Ohio

I hereby certify to the best of my knowledge and belief, that the plans and specifications for the above mentioned project are in compliance with the City of Napoleon zoning ordinances for construction in an I-1 zoning district.

Very truly yours,



R. L. Germann, PE, PS

RECEIVED



FLOYD G. BROWNE AND ASSOCIATES, LIMITED  
CONSULTING ENGINEER - PLANNER  
MARION, OHIO

MEMO TO Tom Terranova DATE 8-18-75

SUBJECT Build. Per. Plan Review JOB NO. \_\_\_\_\_

FROM R J TITLE \_\_\_\_\_

Total time spent reviewing the plans and specifications for the subject project.

8-18-75 1 hour

R J Jones

ENGINEERING Dept  
RECEIVED  
AUG. 19 1975  
/207

For Bldg. Permit No. 344-75

Submitted To Pritam 8/19/75  
by P.P.P.