

**SALOMONE BROS. INC.  
REDI MIX CONCRETE  
9 Musket Court  
Town of Goshen  
Orange County, New York**

**SANITARY FACILITY EVALUATION  
APRIL 28, 2023**

**Prepared by:  
Lanc & Tully Engineering and Surveying, P.C.  
PO Box 687  
Goshen, New York 10924**

## **INTRODUCTION/HISTORY**

Proposed site is located at the terminus of Musket Court in the Town of Goshen, Tax Parcel 12-1-106.2 and 102. Based upon the previous site plan, as prepared by Leo J Carroll, P.E., L.S., the site has an existing septic system located in the rear of the building (see attached) a well in the front of the building over 100' away and slightly up hill from the septic system. These locations were both verified through field visits, verification of septic tank and field location by TAM Enterprises as well as discussion with the current owner, who installed the system. The current septic system was utilized by current occupants and included shower, slop sink, washing machine and sink. According to the owner, the system has never had an issue.

## **PROPOSED USE**

The current proposal is for the modification of the current site (contractors yard) to a Redi-Mix concrete facility. The facility would employ a maximum of 24 employees, 15 of which will be drivers and not typically within the building. The remaining personnel would be inbound drivers (onsite material movement) yard personnel, a dispatcher and potential sales representative (typically in the field). . Based upon the number of employees anticipated to be onsite and no showers proposed, sewer flow projections have been revised to approximately 100 gallons per day.

On April 11, 2023, personnel of Lanc & Tully Engineering and Surveying, P.C. visited the property to evaluate the functioning of the existing system. At approximately 2:00 pm in the afternoon, the bathroom sink faucet was turned on and a series of flow measurements were made using a one gallon container. Flow was measured three times with it taking 28 seconds, 27 seconds and 26 seconds to fill the one gallon container. Flow was therefore estimated to be 2 gallons per minute. Fluorescent dye was then introduced at the sink. Flow was allowed to continue at that rate for a period of 85 minutes, ending the test at 3:25 p.m. At that time, flow was again measured and it was observed to take 27 seconds into a 1-gallon container = 2.2 gpm. A total of 170 gallons of water was used during the test, greater than the expected daily flow from the project. The area around the septic tank and sewage disposal system was walked and no indication of wastewater, dye or odor was observed. Personnel from this office returned to the site the following day to once again check for any signs of effluent, dye or odor in the area of the septic tank and septic system and none was found.

Based upon the results of the testing, the existing sewage disposal systems appear to have sufficient capacity for the proposed use.

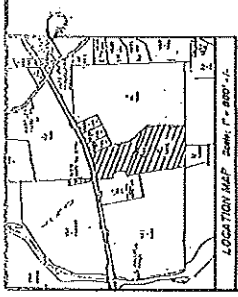
Although it is anticipated to utilize the existing system, our office is developing an alternative system which could be installed onsite, in case, for any reason, the system requires to be replaced. We would further offer that the existing system be re-investigated after one (1) year of operation to ensure it's proper functioning.

Respectfully submitted,

Lanc & Tully, P.C.

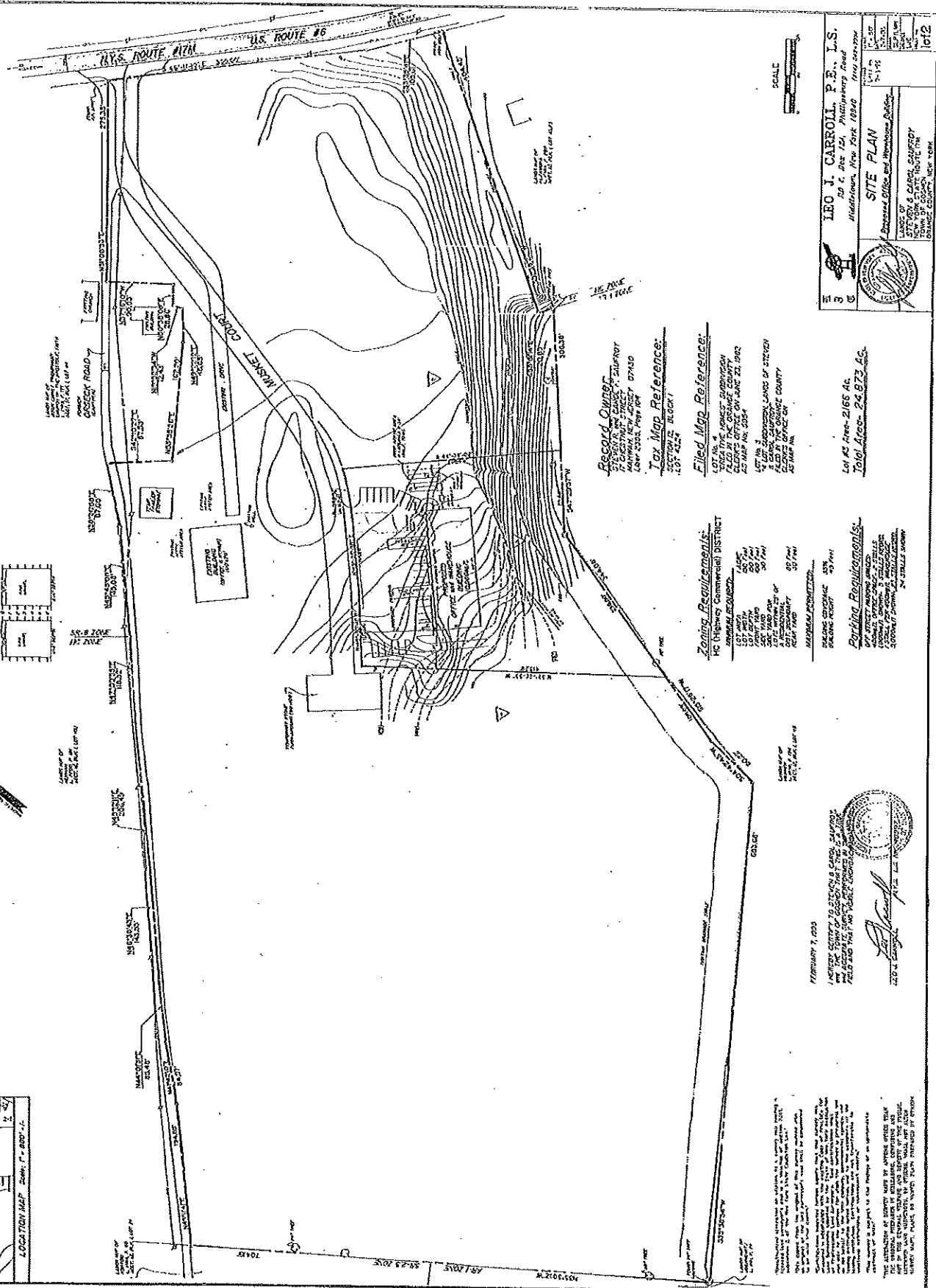
John O'Rourke, P.E.  
NYS License # 085142-01

**ATTACHMENTS**



**Preparation Test Results:**  
 Mr. Charles A. ...  
 Mr. ...

**Deep Test PH Results:**  
 ...



**Record Drawing:**  
 7' EXISTING STREETS  
 7' EXISTING STREETS  
 7' EXISTING STREETS  
 7' EXISTING STREETS

**Tax Map Reference:**  
 SECTION 10, BLOCK 1  
 LOT 4222

**Filed Map Reference:**  
 LOT No. 4  
 ...  
 ...

**Zoning Requirements:**  
 HC Highway Commercial District  
 MINIMUM REQUIREMENTS:  
 LOT AREA: 50 SQ. FT.  
 LOT FRONT: 50 FT.  
 LOT DEPTH: 50 FT.  
 SETBACKS: 5 FT.  
 HEIGHT: 35 FT.  
 MAXIMUM PERMITTED:  
 BUILDING HEIGHT: 35 FT.

**Perking Requirements:**  
 ...  
 ...

**LEO J. CARROLL, P.E., L.S.**  
 20 C. Ave. 121, Phillipsburg Road  
 Middletown, New York 10940

**SITE PLAN**

LAND OF ...  
 NEW YORK STATE TO ...  
 ...

SCALE

FEBRUARY 7, 1953

I, ...  
 ...

*[Signature]*

NOTHING IS TO BE CONSIDERED AS A WARRANTY OR GUARANTEE OF THE ACCURACY OF THE INFORMATION CONTAINED HEREIN BY THE ENGINEER. THE ENGINEER'S RESPONSIBILITY IS LIMITED TO THE DESIGN AND CONSTRUCTION OF THE STRUCTURES SHOWN ON THIS PLAN. THE ENGINEER DOES NOT ASSUME RESPONSIBILITY FOR THE DESIGN OR CONSTRUCTION OF ANY OTHER STRUCTURES OR FOR THE PERFORMANCE OF ANY OTHER WORK NOT SHOWN ON THIS PLAN.

L. 1389, P. 171  
SECT. 12, BLK. 1, LOT 44

FORMER  
**ORSECK ROAL**  
(EARTHEN)

SR-8 ZONE  
HC ZONE

$N38^{\circ}36'58''E$   
87.60'

$N45^{\circ}45'08''E$   
149.08'

$S7^{\circ}09'55''E$   
118.52'

$S42^{\circ}10'27''E$   
87.53'

$N19^{\circ}52'34''$   
12.43'

$N55^{\circ}35'26''E$   
162.2'

$N49^{\circ}21'$   
45.6'

TEMP.  
TRAILER  
STORAGE

EXISTING  
SEPTIC  
SYSTEM AREA

EXISTING  
BUILDING  
(OFFICE & REPAIR)  
100x70

EXISTING  
SEPTIC  
SYSTEM AREA

EXISTING DRIVE

EXISTING WELL

$R=288.56'$   
 $L=62.41'$

MSM

