

COPYRIGHT NOTICE  
This drawing is property of Fodera Engineering and is not to be used for any purpose other than the specific project and site named herein, and cannot be reproduced in any manner without the express written permission from the engineer on record.

REVISION	DATE	BY

OWNER AND APPLICANT:  
MICHAEL ESPOSITO  
2 TAYLOR LANE  
ROWLEY, MA 01969

PROJECT LOCATION:  
2 TAYLOR LANE  
ROWLEY, MA 01969

PARCEL ID:  
12-3-1

- GENERAL NOTES**
1. THIS PLAN WAS PREPARED BASED ON DOCUMENTATION PREPARED BY ASB DESIGN GROUP FOR A SEPTIC AS-BUILT PLAN FROM 12/31/2020. PROPERTY LINES, BUILDING LOCATION, SEPTIC LOCATION, TEST PIT LOCATIONS, TOPOGRAPHY, WETLANDS, AND WETLAND BUFFERS WERE ALL PROVIDED BY ASB DESIGN GROUP.
  2. WETLAND LOCATIONS WERE CARRIED OVER FROM DOCUMENTATION PROVIDED FROM ASB DESIGN GROUP THAT WERE DELINEATED AS PART OF THE TAYLOR LANE SUBMISSION FROM APPROXIMATELY 2017.
  3. THIS PLAN WAS PREPARED TO DEMONSTRATE PROPOSED IN THE REAR YARD WITH A POOL AND PATIO EXTENSION.
  4. AS DISPLAYED ON THE STATE'S GEOGRAPHIC INFORMATION SYSTEM (GIS) ONLINE DATABASE MASSMAPPER, THERE ARE NO JURISDICTIONAL ENVIRONMENTAL PROTECTION RESOURCE AREAS WITHIN THE PROPERTY, OTHER THAN WHAT IS SHOWN FROM THE WETLAND BUFFER.

**LEGEND**

	PROPERTY LINE
	EXISTING TO BE REMOVED
	MAJOR CONTOUR
	MINOR CONTOUR
	100' WETLAND BUFFER
	50' WETLAND SETBACK
	25' WETLAND SETBACK
	WETLANDS BOUNDARY
	EROSION CONTROL BARRIER
	PERCOLATION TEST
	TEST PIT

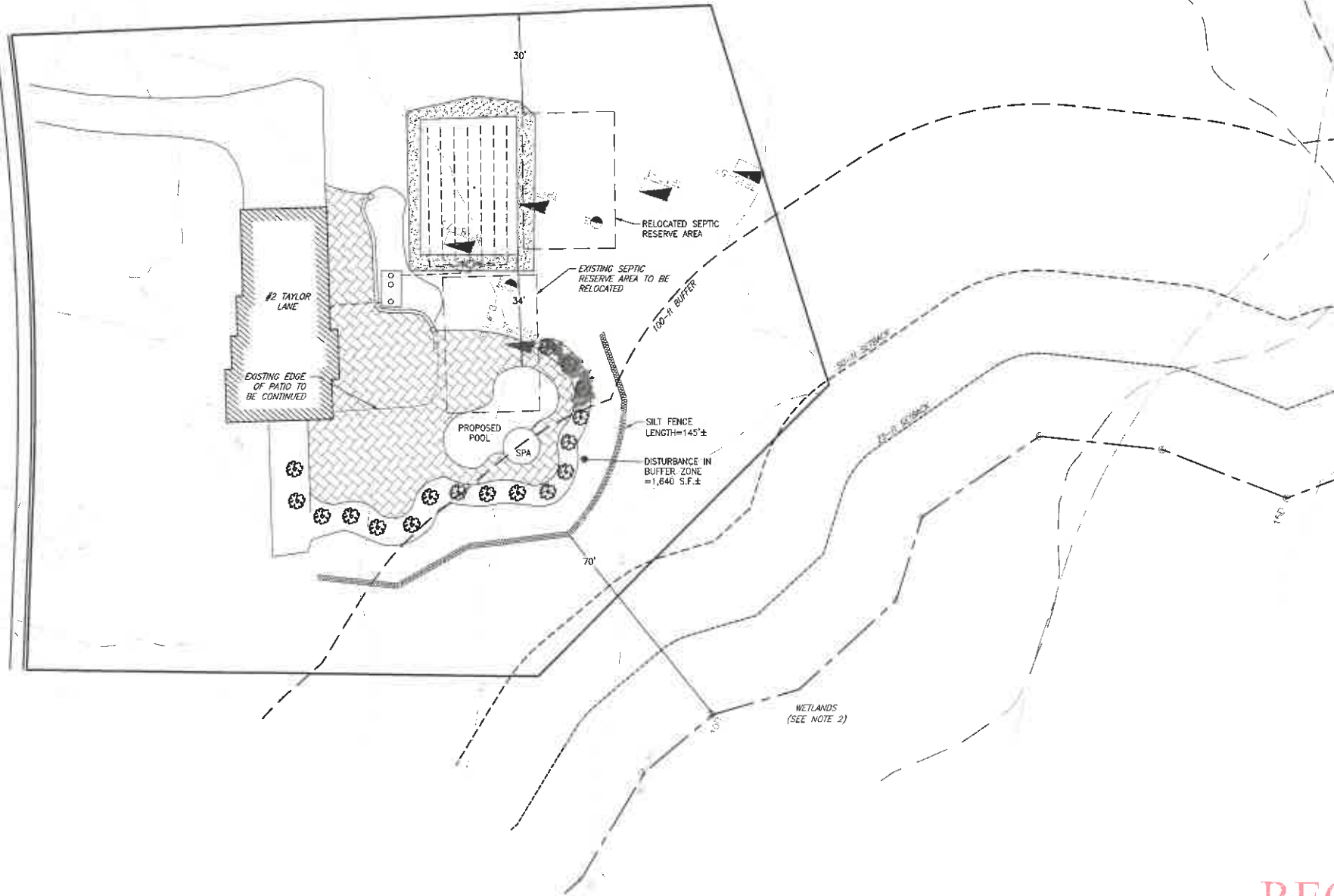
**PROPOSED POOL SITE PLAN**  
2 TAYLOR LANE  
ROWLEY, MA 01969

PLAN SET

PROFESSIONAL SEAL

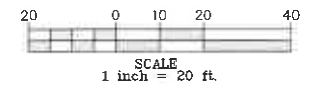
JOB NO.: 23286-313  
SHEET TITLE:  
PROPOSED POOL  
SITE PLAN  
SHEET NUMBER:  
C-1

TAYLOR LANE  
(PUBLIC R.O.W.)



**RECEIVED**  
FEB 21 2023  
TOWN OF ROWLEY  
CONSERVATION COMMISSION

**PROPOSED POOL SITE PLAN**  
SCALE: 1" = 20'

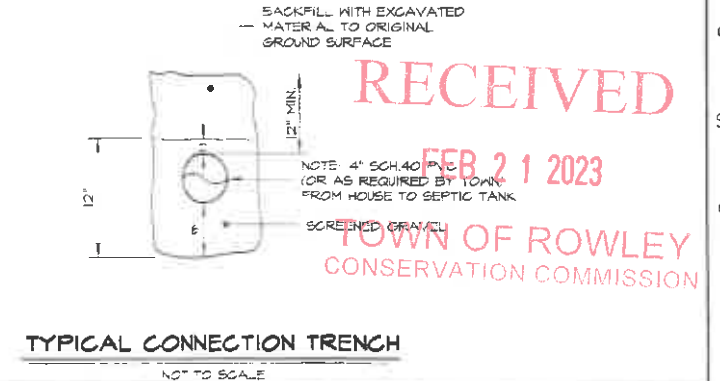
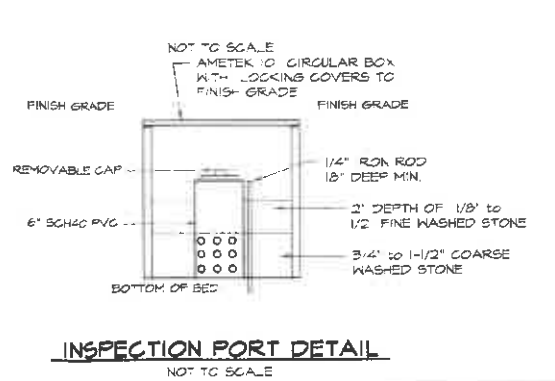
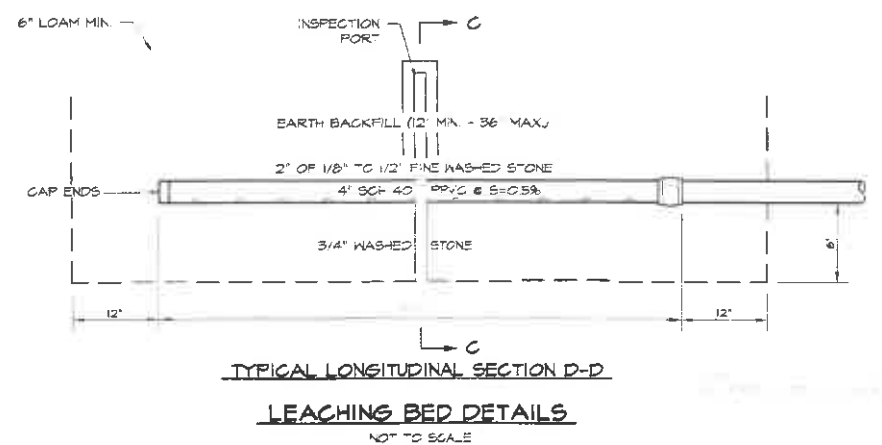
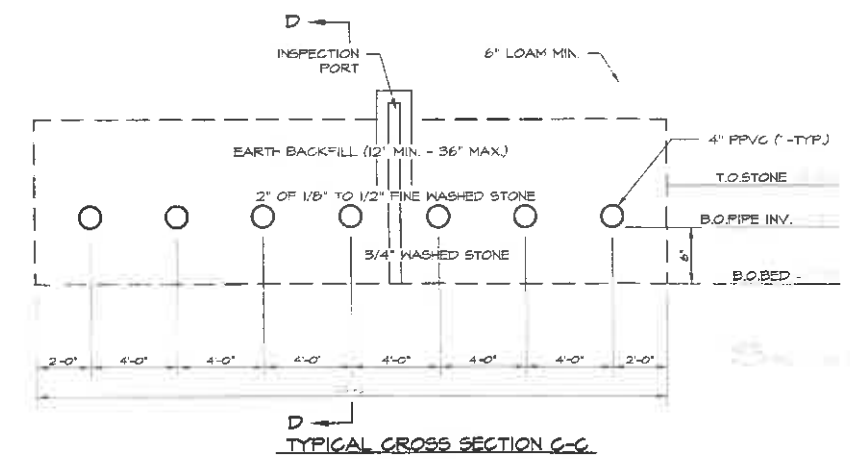
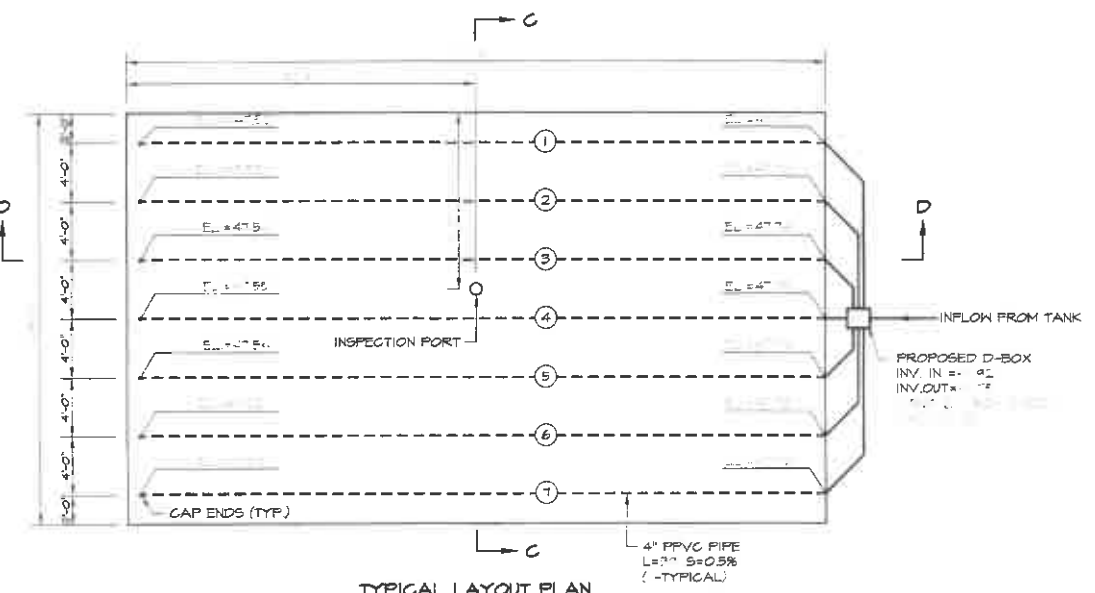
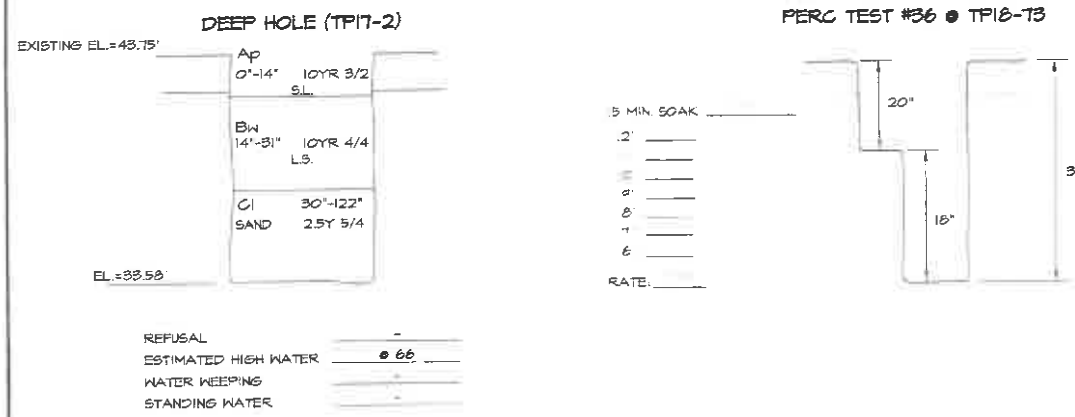
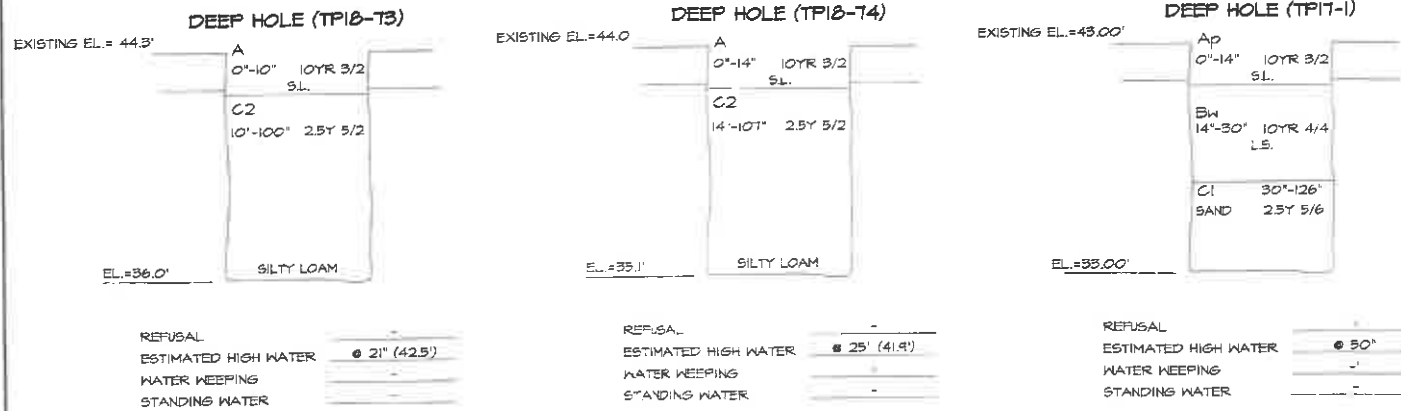


FEBRUARY 21, 2023

SCALE: 1" = 20'

**DEEP HOLE / PERC. TESTING**

PERFORMED BY: ALEXANDER F. PARKER  
 WITNESSED BY: ROWLEY BOARD OF HEALTH - EDWARD GALLAGHER  
 DATE: JUNE 24, 2017 / JULY 21, 2017



**LOT 1 CALCULATIONS**

**SOIL DATA**

- SOIL CLASS:**
- CLASS I: SANDS, LOAMY SANDS
  - CLASS II: SANDY LOAMS, LOAM
  - CLASS III: SILTY LOAMS
  - CLASS IV: CLAYS, SILTY CLAY, LOAM
- SOIL UNSUITABLE FOR SUBSURFACE DISPOSAL SYSTEM.
- PERC. RATE: \_\_\_\_\_ DESIGN RATE: \_\_\_\_\_

**LEACHING AREA SIZING**

NO. OF BEDROOMS	_____
GALLONS PER DAY/BEDROOM	_____
BASE DESIGN FLOW	_____
ADD GARBAGE DISPOSAL	_____
PERCOLATION RATE	_____
* TOTAL AREA REQUIRED	_____
* LEACHING AREA PROVIDED	_____
RESERVE AREA PROVIDED	_____

**SEPTIC TANK SIZING**

200% DESIGN FLOW

TOTAL DESIGN FLOW \_\_\_\_\_

200% x \_\_\_\_\_ GALLONS/DAY = \_\_\_\_\_ GPD (MIN. REQUIRED)

\* SEPTIC TANK USED \_\_\_\_\_

**DESIGN ELEVATIONS**

EXISTING DESIGN ELEVATION	_____
S.H.W.T. (+2.0')	_____
BOTTOM OF BED (+4.0' MIN.)	_____
BOTTOM OF PIPE (MIN. +5)	_____
TOP OF STONE (+0.5')	_____
D-BOX OUT	_____
D-BOX IN (+0.17')	_____
SEPTIC TANK OUT	_____
SEPTIC TANK IN (+0.25')	_____
INV. AT HOUSE	_____
TOP OF FOUNDATION	_____
TOP OF FOUNDATION (GARAGE)	_____

**EFFLUENT LOADING RATE (GPD/SQ.FT)**

PERC. RATE (MIN./INCH)	CLASS I	CLASS II	CLASS III	CLASS IV
5	0.74(3.0)	0.60(2.5)	-	-
6	0.70(2.9)	0.60(2.5)	-	-
7	0.68(2.8)	0.60(2.5)	-	-
8	0.66(2.7)	0.60(2.5)	-	-
10	-	0.60(2.5)	-	-
15	-	0.56(2.3)	0.37(1.5)	-
			0.34(1.4)	-
25	-	0.40(1.6)	0.33(1.3)	-
30	-	0.33(1.3)	0.29(1.2)	-

LOADING RATE CRITERIA LISTED BELOW APPLY TO THE UPGRADE OF EXISTING SYSTEMS PURSUANT TO 310 CMR 5.408(1)(c) OR SYSTEMS CONSTRUCTED PURSUANT TO 310 CMR 5.4

40	-	-	0.25(1.0)	-
50	-	-	0.20(0.8)	0.20(0.8)
60	-	-	0.15(0.6)	0.15(0.6)

**SIZING CALCULATIONS**

- DESIGN FLOW: BEDROOMS x \_\_\_\_\_ /BEDROOM = \_\_\_\_\_
- ADD GARBAGE DISPOSAL \_\_\_\_\_
- LEACHING AREA REQUIRED: \_\_\_\_\_ GPD / \_\_\_\_\_ GPD SF
- RESERVE AREA PROVIDED: 28' WIDE x 4' LONG = 48 SF

363 Boston Street, Route 1  
 Topfield, MA 01983

project title:  
**FALCON RIDGE SUBDIVISION**  
 2 TAYLOR LANE

prepared for applicant:  
 TAYLOR LANE LLC  
 357 NORTH STREET  
 GEORGETOWN, MA 01833

parcel identification:  
 map: 12 \_\_\_\_\_  
 block: 3 \_\_\_\_\_  
 parcel: N.A. \_\_\_\_\_  
 lot: 1 \_\_\_\_\_

revisions:  
 05.15.21 ISSUED FOR REVIEW

plan submission  
**SEPTIC SYSTEM DESIGN - NEW**

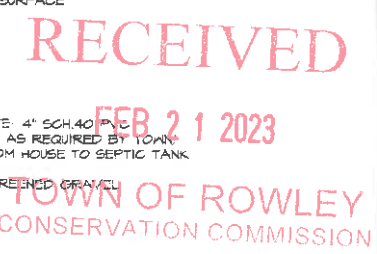
date: 12.31.2020  
 scale: NOT TO SCALE  
 job no: 2017-22  
 DEP no: 063-0692 O.R.A.D.  
 DEP no: 063-0693 N.O.I. - O.S.R.D.  
 DEP no: 063-0699 N.O.I.



drawing name \_\_\_\_\_

SYSTEM DESIGN DATA

drawing number \_\_\_\_\_



52