

**PERMANENT SEEDING**  
 Dates: April 15 - June 15 or Aug. 15 - Sept. 15

No.	Seed Mixture	Lbs/Acre	Lbs./1000 sq. Ft.	Notes
1.	Kentucky Bluegrass	20	.45	Lawn Areas
	Creeping Red Fescue	20	.45	Regular mowing
	Perennial ryegrass	5	.10	required
	<b>Total</b>	<b>45</b>	<b>1.00</b>	
2.	Creeping Red Fescue	20	.45	
	Tall Fescue or Smooth bromegrass	20	.45	Naturalized area
	<b>Total</b>	<b>42</b>	<b>.95</b>	Offers Wildlife food and cover
3.	Creeping Red Fescue	20	.45	Mowing recommended
	Bird's-foot trefoil with inoculant	8	.20	Once a year
	Tall Fescue or Smooth bromegrass	20	.45	after July
	<b>Total</b>	<b>48</b>	<b>1.10</b>	
4.	Bird's-foot trefoil with inoculant	8	.20	Naturalized area
	Crownvetch with inoculant	15	.35	steep banks
	Creeping Red Fescue, Tall Fescue or Smooth bromegrass	20	.45	No Mowing Required
	<b>Total</b>	<b>43</b>	<b>1.00</b>	

**FERTILIZER:** 10-10-10 300 lbs/acre or 7.5lbs/1000 sq. ft.  
**LIME:** 3 tons/acre or 135 lbs/1000 sq. ft.

**TEMPORARY SEEDING RATES AND DATES**

SPECIES	SEEDING RATES(pounds) per acre	per 1000 sq.ft.	OPTIMUM SEEDING: DATE	DEPTH
Annual ryegrass	40	1.0	3/1-6/15 8/1-10/1	0.5
Winter rye	120	3.0	4/15-6/15 8/15-10/15	1.0
Buckwheat	15	0.4	4/1-9/15	1.0

Select fill placed within and adjacent to leaching system areas shall be a clean material comprised of sand, or sand and gravel, free from organic matter and foreign substances. The select fill shall meet the following requirements unless otherwise approved by the design P.E. Select fill exceeding 5 percent passing the #200 sieve based on a wet sieve analysis cannot be approved by the design P.E.

- The select fill shall not contain any material larger than the three (3) inch sieve.
- Up to 45 percent of the dry weight of the representative sample may be retained (gravel portion) on the #4 sieve.
- The material that passes the #4 sieve is then reweighed and the sieve analysis started.
- The remaining sample shall meet the following gradation criteria:

SIEVE SIZE	PERCENT PASSING	
	WET SIEVE	DRY SIEVE
#4	100	100
#10	70 - 100	70 - 100
#40	10 - 50 *	10 - 75
#100	0 - 20	0 - 5
#200	0 - 5	0 - 2.5

\* Percent passing the #40 sieve can be increased to no greater than 75 if the percent passing the #100 sieve does not exceed 10 and the #200 sieve does not exceed 5.

Select fill that does not meet the dry sieve gradation criteria but meets the wet sieve gradation criteria is acceptable. Sieve testing of select fill is required for large SSDs whenever the leaching system is located entirely in select fill. The DOH may require sieve testing of select fill on small SSDs in accordance with PHC Section 19-13-B103e (d) (6).

The licensed installer is responsible for preparing the leaching area with acceptable select fill. Topsoil in the leaching system area shall be removed and the subsoil scarified prior to select fill placement, unless otherwise directed by the design P.E. The installer shall take the necessary steps to protect the underlying receiving soil from over compaction/damage. The installer is responsible for properly compacting select fill to facilitate construction and to prevent settling. Select fill shall extend a minimum of 5 feet laterally beyond the outer perimeter of the leaching system; on sloped lots only, select fill shall be reduced to 2 feet on the sides and up gradient of the leaching system.

**SEPTIC SYSTEM MAINTENANCE RECOMMENDATIONS:**

- Septic system should be pumped at least every four years.
- Clean outlet filter at time of pumping.
- Inspect vents and observation ports at time of cleaning.
- Pumping schedule may be modified based on actual solids accumulation and septic service technician's recommendation.

**SEPTIC SYSTEM CONSTRUCTION NOTES:**

- Excavated area prepared for select sand fill shall be inspected by the engineer and town sanitarian prior to filling.
- Approved excavation shall be filled with select sand fill as soon as practical. Fill shall be installed in 1-ft. lifts and compacted to grade.
- Sieve analysis shall be provided for select sand fill and a confirmation perc test performed in fill.
- Layout staking shall be provided by engineer.

**EROSION CONTROL NOTES:**

- Silt fence shall be installed and approved by the Town prior to excavation.
- All disturbed area shall be loamed and seeded as soon as practical.
- Silt fence shall be maintained until all disturbed area is protected by established lawn area.

N/F HOADLEY, D.  
 27 PHEASANT RUN  
 MBL: 08-88-19  
 ZONED: A-1

PHEASANT RUN

SYSTEM LOCATION: 39 Pheasant Run Somers, CT 06071  
 BASIS OF DESIGN: Number of Bedrooms: 4  
 Garbage Grinder: No  
 SOIL TESTS: Performed By: Steve Jacobs, R.S. - Town of Somers Health Agent (3-20-2019)  
 PERC DESIGN RATE: < 10 min/in in Select Sand Fill

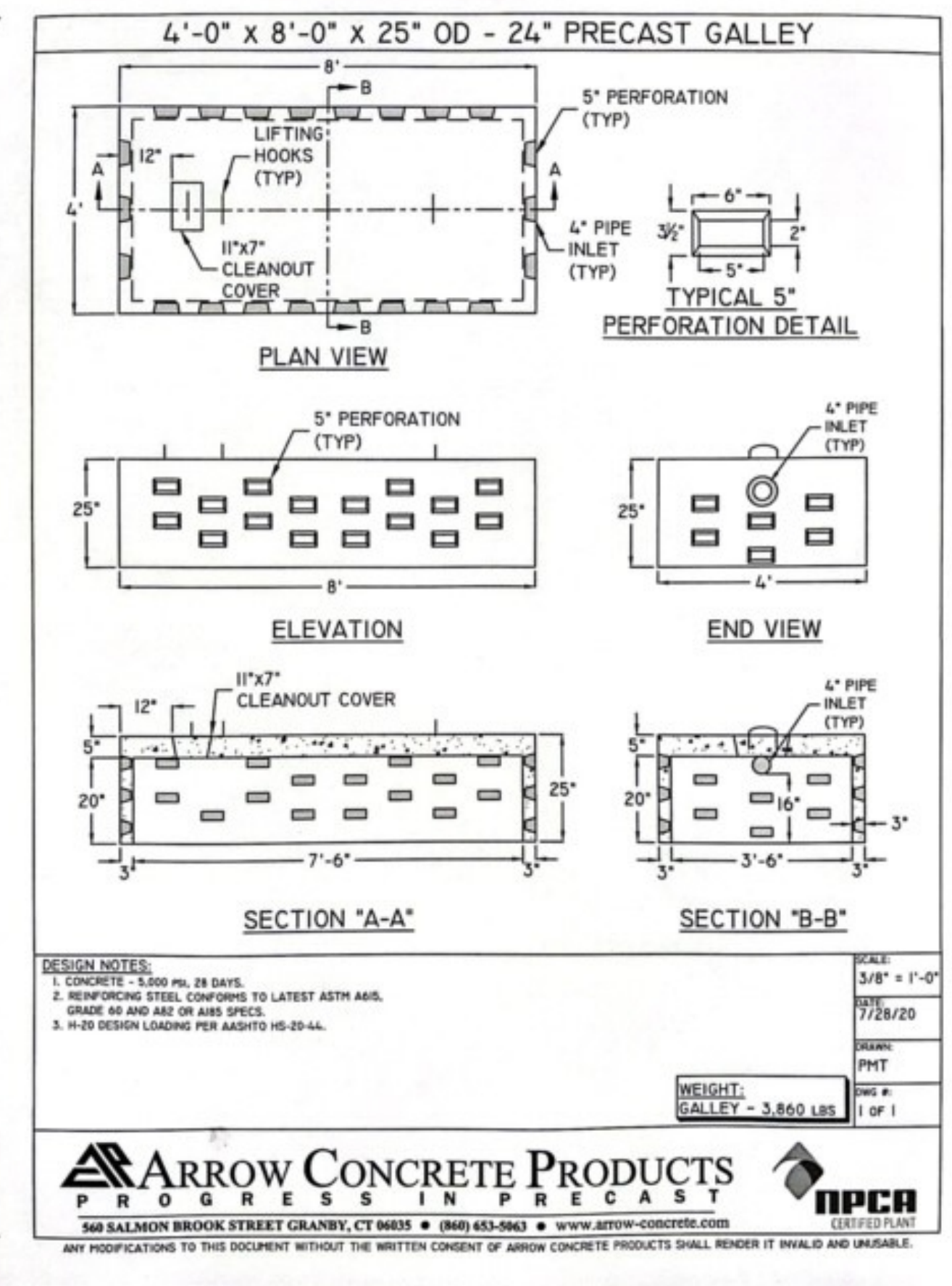
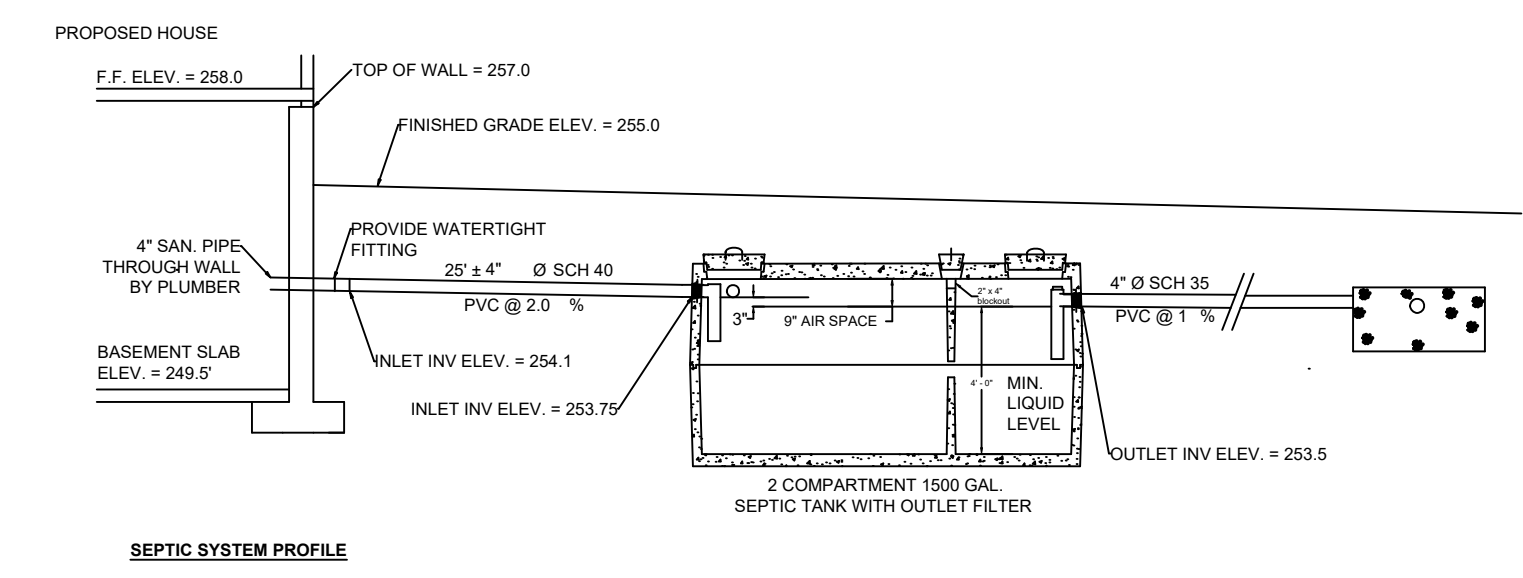
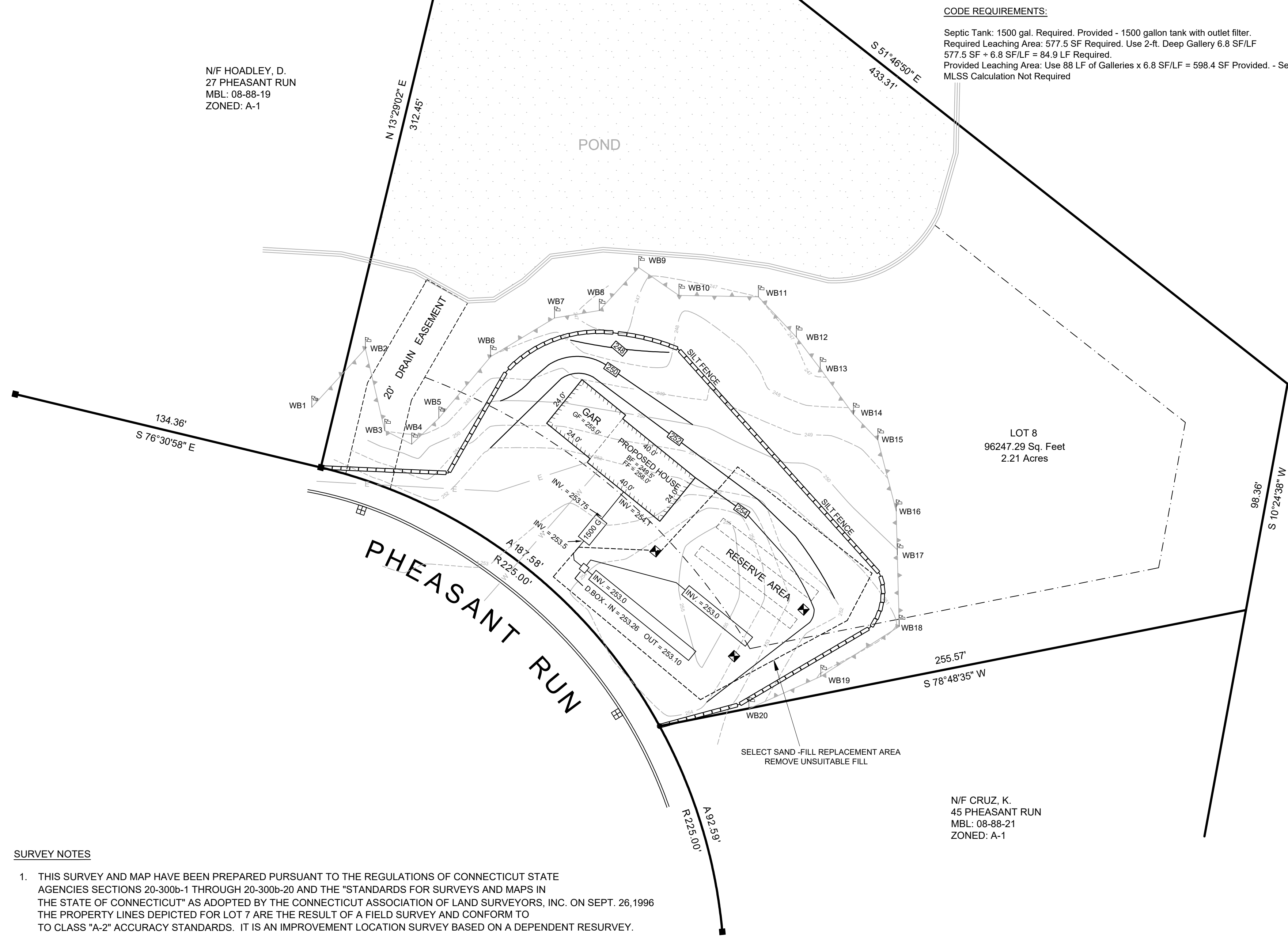
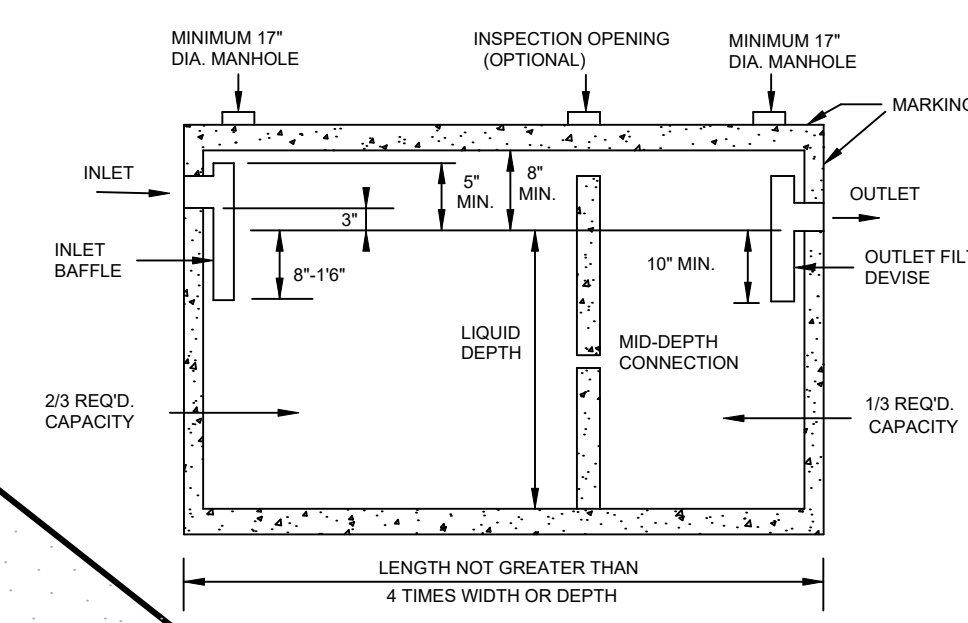
**TEST PIT A**  
 0 - 30" C Compact, Loamy Sand Fill  
 30" - 104" 2C Loose, Loamy Gravel Fill w/ Asphalt Pieces  
 Depth to Groundwater @ 49" Estimated High Groundwater - 49" No Ledge

**TEST PIT B**  
 0 - 27" C Compact, Loamy Sand Fill  
 27" - 87" 2C Very Compact, Sandy Loam Fill w/ Asphalt Pieces  
 87" - 96" Apb Compact, Buried Topsoil  
 96 - 105" Bw Friable, Sandy Loam  
 No Ledge

**TEST PIT C**  
 0 - 30" C Compact, Loamy Sand Fill  
 30" - 86" 2C Loose, Fine Sand Fill w/ Asphalt Pieces  
 86" - 94" Apb Compact, Buried Topsoil  
 94" - 106" Bw Friable, Sandy Loam  
 Depth to Groundwater @ 86" Estimated High Groundwater - 48" No Ledge

**CODE REQUIREMENTS:**  
 Septic Tank: 1500 gal. Required. Provided - 1500 gallon tank with outlet filter.  
 Required Leaching Area: 577.5 SF Required. Use 2-ft. Deep Gallery 6.8 SF/LF  
 577.5 SF ÷ 6.8 SF/LF = 84.9 LF Required  
 Provided Leaching Area: Use 88 LF of Galleries x 6.8 SF/LF = 598.4 SF Provided. - See Plan.  
 MLSS Calculation Not Required

TYPICAL SEPTIC TANK



DESIGN NOTES:  
 1. CONCRETE - 5000 PSI, 28 DAYS.  
 2. REINFORCING STEEL CONFORMS TO LATEST ASTM SPEC.  
 3. GRADE 60 AND A305 OR A601 SPEC.  
 4. 4-30 DESIGN LOADINGS PER ASSHTO HS-20-44.

SCALE: 1/4" = 1'-0"  
 DATE: 7/28/20  
 DRAWN: PHT  
 PLOT #:  
 SHEET # 1 OF 1  
 WEIGHT: GALLEY - 3,860 LBS

**ARROW CONCRETE PRODUCTS**  
 PROGRESS IN PRECAST  
 568 SALMON BROOK STREET GRANBY, CT 06033 • (860) 683-5963 • WWW.ARROW-CONCRETE.COM  
 ANY MODIFICATIONS TO THIS DOCUMENT WITHOUT THE WRITTEN CONSENT OF ARROW CONCRETE PRODUCTS SHALL RENDER IT INVALID AND UNUSABLE.

N/F KLINE, D.  
 120 POND CIRCLE  
 MBL: 08-88-102  
 ZONED: A-1

**SURVEY NOTES**

- THIS SURVEY AND MAP HAVE BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPT. 26, 1996. THE PROPERTY LINES DEPICTED FOR LOT 7 ARE THE RESULT OF A FIELD SURVEY AND CONFORM TO TO CLASS "A-2" ACCURACY STANDARDS. IT IS AN IMPROVEMENT LOCATION SURVEY BASED ON A DEPENDENT RESURVEY.
- UNDERGROUND UTILITY, STRUCTURE AND FACILITY LOCATIONS NOTED HEREON HAVE BEEN COMPILED, IN PART FROM FIELD SURVEY AND FROM OTHER SOURCES. THESE LOCATIONS MUST BE CONSIDERED APPROXIMATE IN NATURE. ADDITIONALLY, OTHER SUCH FEATURES MAY EXIST ON THE SITE, THE EXISTENCE OF WHICH ARE UNKNOWN TO SMITH ASSOCIATES SURVEYORS. THE SIZE, LOCATION AND EXISTENCE OF ALL SUCH FEATURES MUST BE FIELD DETERMINED AND VERIFIED BY THE APPROPRIATE AUTHORITIES PRIOR TO CONSTRUCTION. CALL BEFORE YOU DIG 1-800-922-4455.
- PARCEL LOCATED IN A-1 ZONE PER THE SOMERS GIS MAPPING SITE.
- PARCEL NOT LOCATED IN FLOOD HAZARD ZONE PER PANEL 0901120008D, 8-16-2006.
- REFERENCE MAPS:  
 A. "SUBDIVISION MAP - HOMES AT HERON POND", PROPERTY OF DELLA CONSTRUCTION CO. INC. PREPARED BY GATES-SCARPA & ASSOCIATES INC., SCALE: 1" = 40', DATED 7-15-87, SHEET 2 & 3.
- WETLAND FLAG LOCATIONS BY RICHARD ZULICK, SOIL SCIENTIST, AND FIELD LOCATED BY THIS FIRM.

**SITE PLAN & SEPTIC DESIGN**  
 39 PHEASANT RUN, SOMERS CT

PREPARED FOR:  
 DANIEL JASMINSKI

PREPARED BY:  
 MICHAEL MOCKO, ENVIRONMENTAL CONSULTANT  
 36 HAMPDEN ROAD, STAFFORD SPRINGS CT 06076  
 TELEPHONE: (860) 684-7205

ENGINEER: ROBERT CAFARELLI, P.E.  
 61 HOLLOW ROAD - BRIMFIELD, MA 01010  
 TELEPHONE: (413) 567-8560

WETLANDS BY RICHARD ZULICK, DATUM ENGINEERING & SURVEYING LLC.  
 RICHARD ZULICK - SOIL SCIENTIST

**WETLAND SITE PLAN**  
 39 PHEASANT RUN  
 SOMERS, CT  
 OWNED BY

**DANIEL JASMINSKI**

DATE: 7/13/2023 SCALE: 1" = 30'

**SMITH ASSOCIATES SURVEYORS, INC.**  
 46 B BALDWIN STREET - EAST LONGMEADOW, MA 01028 - P:(413) 525-8801 F: (413) 525-8841  
 SMITHASSOCIATESURVEYORS@HOTMAIL.COM WWW.SMITHASSOCIATESURVEYORS.COM

