

**Torrington Area Health District
350 Main St. - Suite A; Torrington, Ct 06790**

Permit #

18370

**T A H D Is A Equal Opportunity Provider
Design Review For
Subsurface Sewage Disposal System**

1	Elman Dr	Salisbury	Primary Dwelling		
Lot #	Street # Street Name	Town	Subdivision		
David Mabbott	312 West 119 St., #4 J	New York	N Y	10026	
Owner	Owner Address	Town	State	Zip	
917-674-0381		Agent's Name			
Trinkaus Engineering, Llc	114 Hunters Ridge Rd	Southbury	Ct	06488	
Engineer	Engineer Address	Town	State	Zip	

This Approval Indicates That The Proposal Has Been Reviewed By The Health District And Is In Compliance With Applicable Regulations As Contained In The Public Health Code For This Project.

Plan Date: March 20, 2026 Plan prepared by Steven Trinkaus

Plan Approval Date: March 25, 2026 # Of Bedrooms: 4


G L F 12-72	1250	585	58 Feet
Septic System Type	Tank Size	Field Sq Ft.	Length Of Septic System

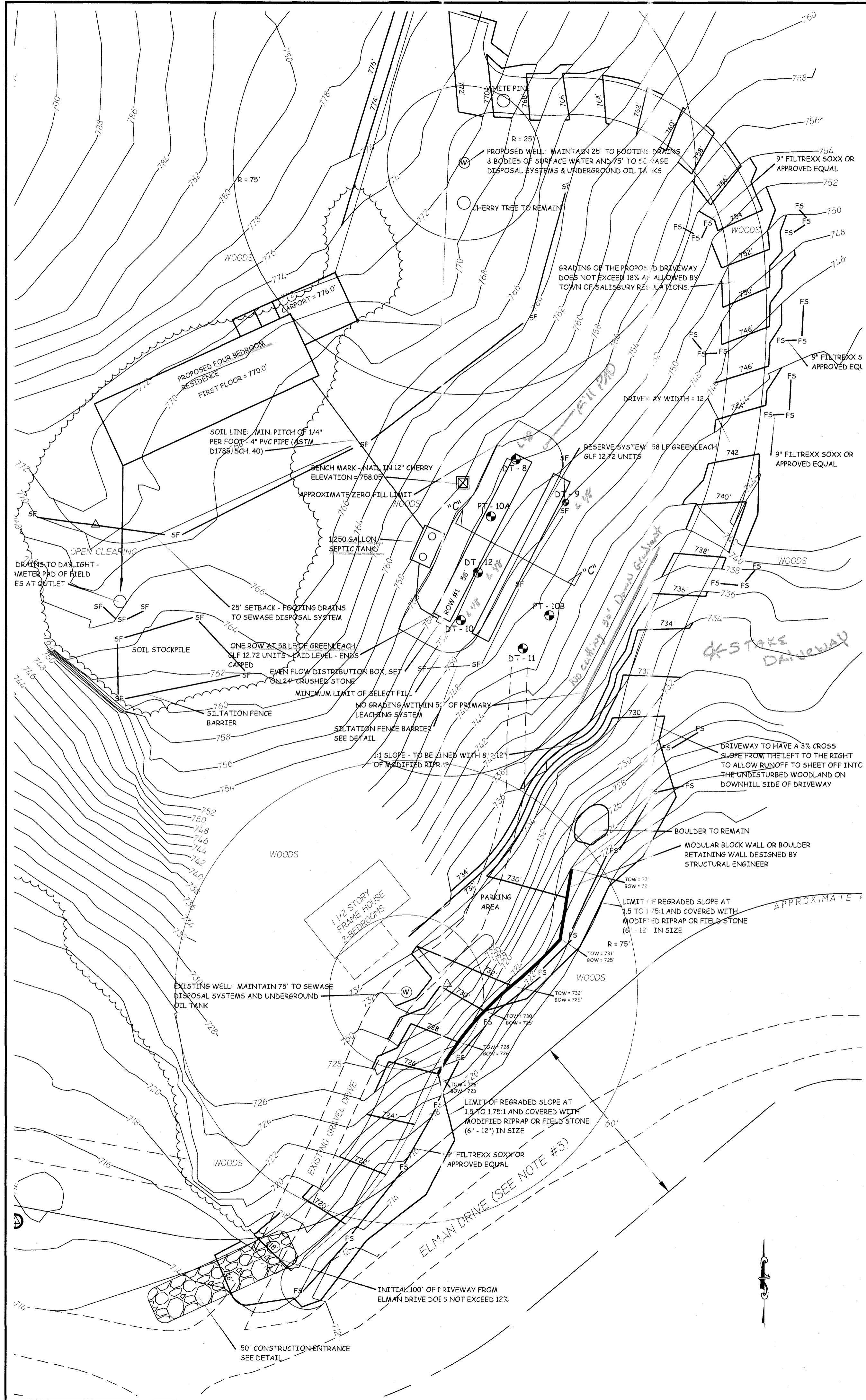
Approved Plan Revision Required Required Not Required
(2) Perk Tests In Fill By Engineer

This Is Not A Permit To Construct A Subsurface Sewage Disposal System. The Permit To Construct Will Be Issued To The Licensed Septic System Installer Prior To Actual Construction. This Plan Approval Is Subject To Specific And General Conditions As Shown On This Form And/or The Approved Plan. **Please Read Them Carefully.**

<input checked="" type="checkbox"/> Engineer Design	<input checked="" type="checkbox"/> Select Fill Required	<input type="checkbox"/> As Below
<input checked="" type="checkbox"/> Percolation Test In Fill	<input type="checkbox"/> Curtain Drain	<input checked="" type="checkbox"/> In Place Sieve Test Required
<input checked="" type="checkbox"/> Engineer As Built Required	<input checked="" type="checkbox"/> Engineer Supervision	<input type="checkbox"/> Low Flow Water Treatment
<input checked="" type="checkbox"/> Field Staking By Engineer	<input type="checkbox"/> As-built Installer	

PRIMARY DWELLING

Approved By: _____ Director Of Health  Sanitarian

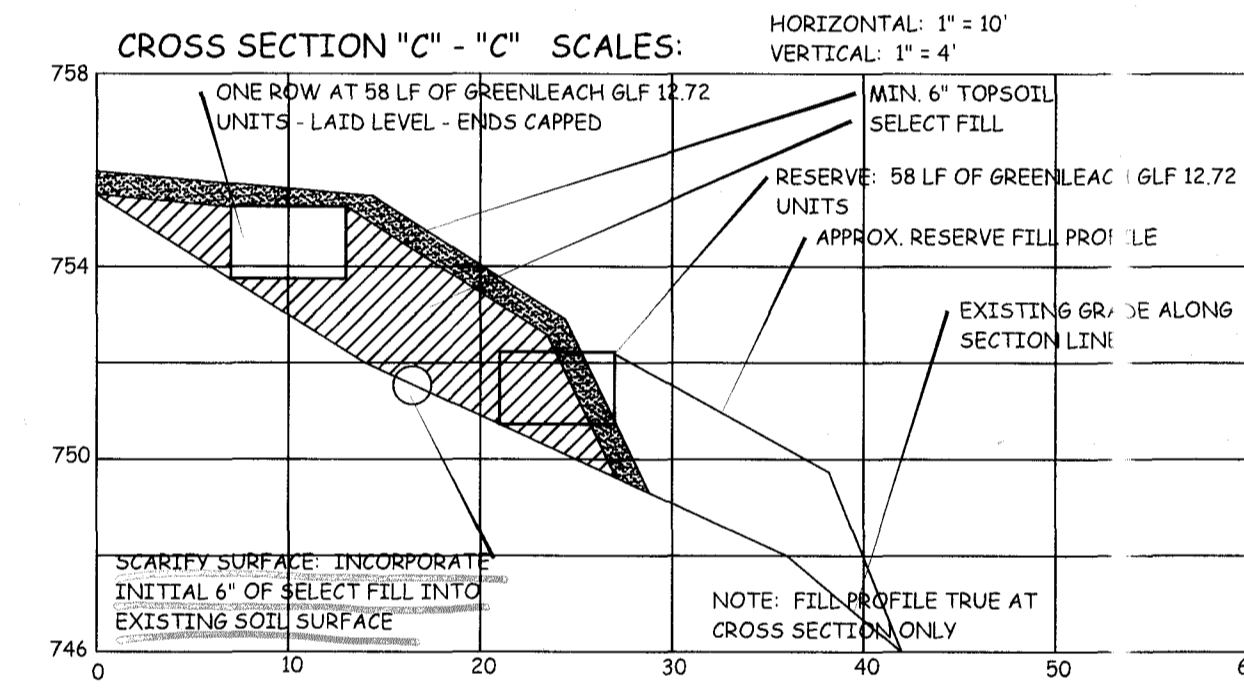


- SOIL TESTING ON AUGUST 22, 2025
- DT - 1
 - 0 - 9" TOPSOIL
 - 9 - 28" YELLOW BROWN FINE SAND AND SILT LOAM
 - 28 - 80" GREY BROWN MEDIUM COMPACT SAND AND SILT LEDGE > 80", ROOTS TO 28", RESTRICTIVE AT 28"
 - DT - 2
 - 0 - 9" TOPSOIL
 - 9 - 28" YELLOW BROWN FINE SAND AND SILT LOAM
 - 28 - 44" GREY BROWN MEDIUM COMPACT SAND AND SILT LEDGE AT 44", ROOTS TO 28", RESTRICTIVE AT 28"
 - DT - 3
 - 0 - 8" TOPSOIL
 - 8 - 18" YELLOW BROWN FINE SAND AND SILT LOAM
 - 18 - 40" YELLOW BROWN SILT LOAM
 - 40 - 66" GREY BROWN MEDIUM COMPACT SAND AND SILT LEDGE > 66", ROOTS TO 40", RESTRICTIVE AT 40"
 - DT - 4
 - 0 - 7" TOPSOIL
 - 7 - 24" YELLOW BROWN SILT LOAM
 - 24 - 60" GREY BROWN MEDIUM COMPACT SAND AND SILT LEDGE > 60", ROOTS TO 24", RESTRICTIVE AT 24"
 - DT - 5
 - 0 - 7" TOPSOIL
 - 7 - 30" YELLOW BROWN FINE SANDY LOAM
 - 30 - 40" YELLOW BROWN FINE SAND AND SILT
 - 40 - 72" LIMESTONE SAND WITH ROCKS LEDGE > 72", ROOTS TO 40", RESTRICTIVE AT 40"
 - DT - 6
 - 0 - 4" TOPSOIL
 - 4 - 27" YELLOW BROWN FINE SANDY LOAM
 - 27 - 38" LIMESTONE SAND WITH ROCKS LEDGE AT 38", RESTRICTIVE AT 38"

- DT - 7
 - 0 - 7" TOPSOIL
 - 7 - 28" YELLOW BROWN FINE SAND AND SILT LOAM
 - 28 - 96" LIMESTONE SAND WITH ROCKS LEDGE > 5", RESTRICTIVE AT 28"
- DT - 8
 - 0 - 6" TOPSOIL
 - 6 - 17" ORANGE BROWN FINE SANDY LOAM
 - 17 - 33" YELLOW BROWN SILT LOAM
 - 3 - 48" GREY BROWN FINE SAND AND SILT LEDGE AT 48", ROOTS TO 33", RESTRICTIVE AT 33"
- DT - 9
 - 0 - 6" TOPSOIL
 - 6 - 24" ORANGE BROWN FINE SANDY LOAM
 - 24 - 48" YELLOW BROWN SILT LOAM LEDGE AT 48", ROOTS TO 24"
- DT - 10
 - 0 - 5" TOPSOIL
 - 5 - 26" ORANGE BROWN FINE SANDY LOAM
 - 26 - 48" YELLOW BROWN SILT LOAM LEDGE AT 48", ROOTS TO 26"
- DT - 11
 - 0 - 6" TOPSOIL
 - 6 - 34" YELLOW BROWN FINE SANDY LOAM, SOME SILT LEDGE AT 34", ROOTS TO 34"
- DT - 12
 - 0 - 6" TOPSOIL
 - 6 - 48" YELLOW BROWN FINE SANDY LOAM, SOME SILT LEDGE AT 48", ROOTS TO 36"

PERCOLATION TEST RESULTS

DATE: 10/11/25	DATE: 10/11/25	DATE: 10/11/25	DATE: 10/11/25
PRE-SOAK AT 9 AM	PRE-SOAK AT 9 AM	PRE-SOAK AT 9 AM	PRE-SOAK AT 9 AM
PT - 1A	PT - 5A	PT - 5B	PT - 10B
DEPTH - 18"	DEPTH - 21"	DEPTH - 18"	DEPTH - 19"
TIME READING	TIME READING	TIME READING	TIME READING
10:00 5"	10:05 9"	10:06 7"	11:15 4"
10:10 7-1/2"	10:15 12"	10:16 9"	11:25 8"
10:20 9"	10:25 14"	10:26 10-1/2"	11:35 10"
10:30 10"	10:35 15-1/2"	10:36 11-3/4"	11:45 11-1/4"
10:40 10-3/4"	10:45 17-1/4"	10:46 12-3/4"	11:55 12-1/2"
1" DROP IN 13.3 MINUTES	1" DROP IN 6 MINUTES	1" DROP IN 10 MINUTES	1" DROP IN 8 MINUTES



- MINIMUM LEACHING SYSTEM CALCULATION (NEW HOUSE)
- SLOPE = 20%, DEPTH TO RESTRICTIVE LAYER = 33", HF = 18
 - FOUR BED ROOMS, FF = 175
 - PERCOLATE IN RATE = 1" DROP PER 10 MINUTES, PF = 1.0
 - MLSS (REQ. ISED) = 10 * 175 * 18 = 315'
 - MLSS (PROJ. ISED) = 58.0'

THIS IS TO CERTIFY THAT THE DESIGN OF THIS SEWAGE DISPOSAL SYSTEM CONFORMS TO ALL STATE AND LOCAL SANITARY CODE REQUIREMENTS, AS WELL AS STANDARD PROFESSIONAL ENGINEERING DESIGN PRINCIPLES. IT IN NO WAY IS A GUARANTEE AGAINST FAILURE DUE TO UNDETERMINABLE FUTURE CIRCUMSTANCES OR NATURAL PHENOMENON BEYOND THE SCOPE OF NORMAL FIELD INVESTIGATION.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CALL "CALL-BEFORE-YOU-DIG" AT 1-800-922-4455 AT LEAST TWO WORKING DAYS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION FOR THE LOCATION OF ANY UNDERGROUND UTILITIES ON THIS PROPERTY.

NOTE: ALL SOLID DISTRIBUTION PIPE FROM THE SEPTIC TANK TO AND WITHIN THE SEWAGE DISPOSAL SYSTEM SHALL BE ASTM D3034, SDR 35, 4" PVC.

GENERAL NOTES:

MAPPING:

PROPERTY LINES AND GENERAL INFORMATION WAS TAKEN FROM MAP SUPPLIED BY OWNER. TOPOGRAPHIC INFORMATION WAS DETERMINED IN THE FIELD BY LAND SURVEYOR. BENCH MARK #1 NAIL IN 12" CHERRY AS SHOWN, ELEVATION EQUALS 785.05'

DESIGN:

A FOUR-BEDROOM HOUSE (PROPOSED) WITH ON-SITE WATER WELL, DESIGN PERCOLATION RATE IS 1" DROP PER 10 MINUTES, REQUIRING 577.5 SQUARE FEET OF EFFECTIVE LEACHING AREA. USING ONE ROW AT 58' OF GREENLEACH GLF 12.72 UNITS AT 10.1 SQFT/UNIT EQUALS 588.8 SQUARE FEET OF EFFECTIVE LEACHING AREA PROVIDED.

CONSTRUCTION:

ALL CONSTRUCTION ACTIVITIES AND DETAILS SHALL BE IN ACCORD WITH THE STATE OF CONNECTICUT DEPARTMENT OF HEALTH "PUBLIC HEALTH CODE" SECTIONS 19-13-B103A THROUGH 19-13-B103F, THE PRESCRIBED PRACTICES OF THE TORRINGTON AREA HEALTH DISTRICT AND SHALL BE AS ACCEPTED STANDARDS OF GOOD WORKMANSHIP.

INSPECTIONS:

AN INSPECTION OF THE COMPLETED SEWAGE DISPOSAL SYSTEM MUST BE PERFORMED BY THE ENGINEER OF RECORD PRIOR TO BACKFILLING. THE CONTRACTOR IS TO NOTIFY THE ENGINEER OF RECORD A MINIMUM OF 48 HOURS IN ADVANCE FOR THIS INSPECTION FOR SCHEDULED PURPOSES.

THE ENGINEER OF RECORD MUST PREPARE AN AS-BUILT PLAN OF THE COMPLETED SEWAGE DISPOSAL SYSTEM. ADDITIONAL INSPECTIONS AT THE FOLLOWING STAGES OF CONSTRUCTION MAY ALSO BE REQUIRED:

- AFTER SCARIFICATION OF AREA HAS BEEN DONE, PRIOR TO FILL PLACEMENT
- AFTER FILLS IN PLACE, PRIOR TO INSTALLATION OF SEWAGE DISPOSAL SYSTEM

SELECT FILL SPECIFICATIONS AND INSTALLATION PROCEDURES:

ALL SELECT FILL MATERIAL USED IN THE SEWAGE DISPOSAL SYSTEM SHALL BE BANKRUILL GRAVEL HAVING A MINIMUM PERCOLATION RATE OF 1" DROP PER 5 MINUTES. SELECT FILL SHALL CONFORM TO THE FOLLOWING SPECIFICATION:

THE FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN 3". THE FILL SHALL NOT CONTAIN MORE THAN 45 PERCENT GRAVEL (GRAVEL FALLS BETWEEN THE NO. 4 - 3" SIEVES). THE FILL, LESS GRAVEL SHALL MEET THE FOLLOWING GRADATION CRITERIA:

SQUARE MESH SIEVE	PERCENT PASSING BY WEIGHT
NO. 4	100
NO. 10	70 - 100
NO. 40	10 - 50
NO. 100	0 - 20
NO. 200	0 - 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%.

THE GRADING PERCENTAGES SPECIFIED ABOVE SHALL APPLY TO THE MATERIAL AFTER IT HAS BEEN DELIVERED TO THE SITE AS WELL AS WHEN TESTED AT THE PIT OR OTHER SOURCE OF SUPPLY.

THE MINIMUM LIMITS OF SELECT FILL SHALL CONFORM TO THOSE SHOWN ON THE SITE PLAN. THE SELECT FILL SHALL BE HARROWED INTO THE EXISTING GROUND SURFACE PRIOR TO THE INSTALLATION OF THE SEWAGE DISPOSAL SYSTEM.

ONE DUMP TRUCK LOAD OF SELECT FILL SHALL BE DELIVERED TO THE SITE AND PLACED OUTSIDE AND ADJACENT TO THE SEWAGE DISPOSAL SYSTEM FOR APPROVAL BY THE ENGINEER OF RECORD. THE ENGINEER MUST BE NOTIFIED A MINIMUM OF 24 HOURS IN ADVANCE FOR THIS INSPECTION.

ALL SELECT FILL MUST BE PLACED AT THE EDGE OF THE SEWAGE DISPOSAL SYSTEM AND SPREAD ACROSS THE SCARIFIED AREA BY BULLDOZER, DUMP TRUCKS OR OTHER SIMILAR VEHICLES ARE PROHIBITED ON THE AREA OF THE SEWAGE DISPOSAL SYSTEM.

ENGINEER'S NOTES:

THE RESPONSIBILITY OF STEVEN D. TRINKAUS, P.E. IS LIMITED TO THE DESIGN OF THE ON-SITE SEWAGE DISPOSAL SYSTEM.

STEVEN D. TRINKAUS, P.E. ASSUMES NO COMPLIANCE WITH PLAN SPECIFICATIONS UNLESS STEVEN D. TRINKAUS, P.E. INSPECTS ALL PHASES OF THE SEWAGE DISPOSAL SYSTEM INSTALLATION.

NO CHANGES ARE PERMITTED TO THE LOCATION AND/OR ELEVATIONS OF THE SEWAGE DISPOSAL SYSTEM WITHOUT THE PRIOR WRITTEN APPROVAL OF THE ENGINEER OF RECORD.

Approved
3-25-26
Steve Palko

Date Paid: 3-25-26
Invoice: Palko
Permit #: 19370
Scanned

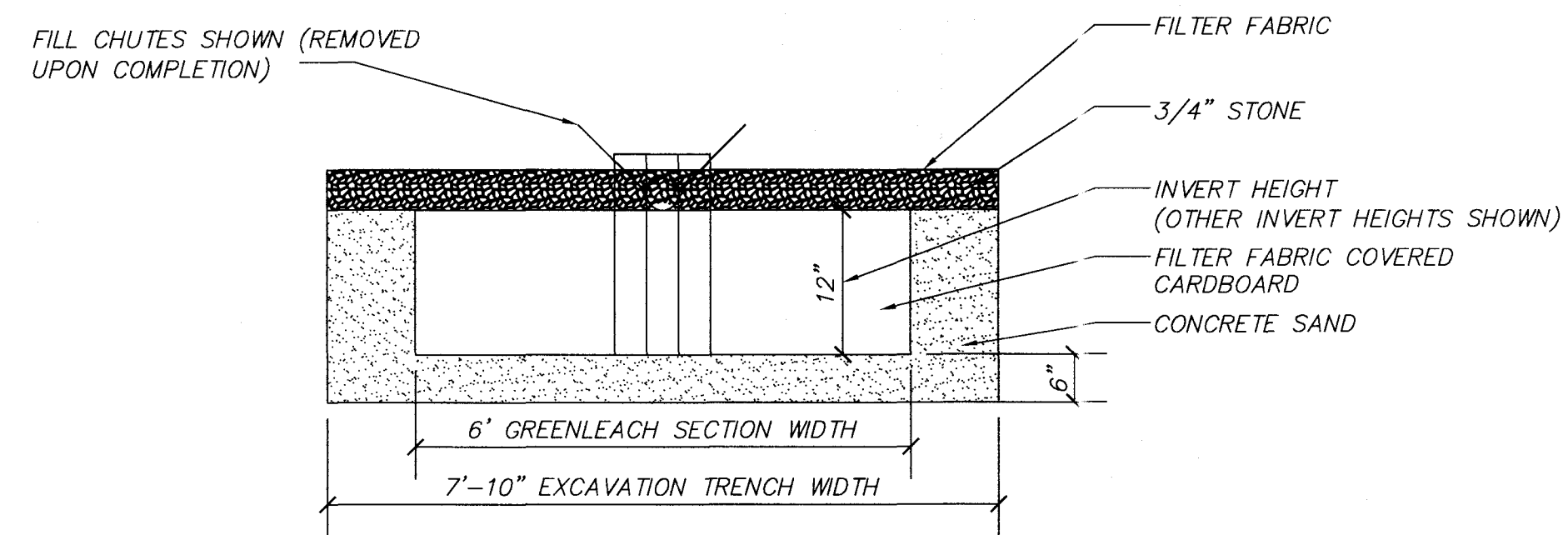
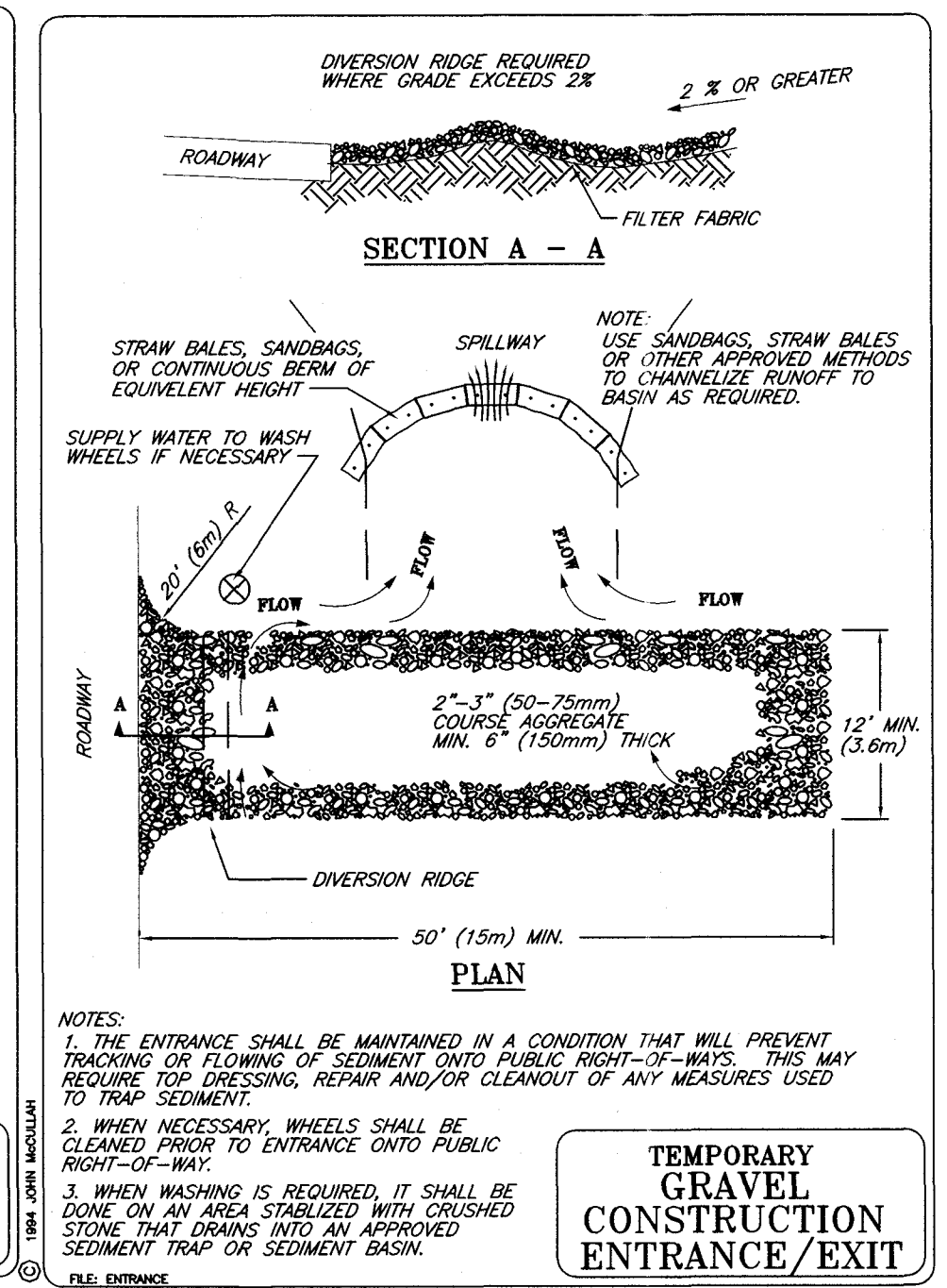
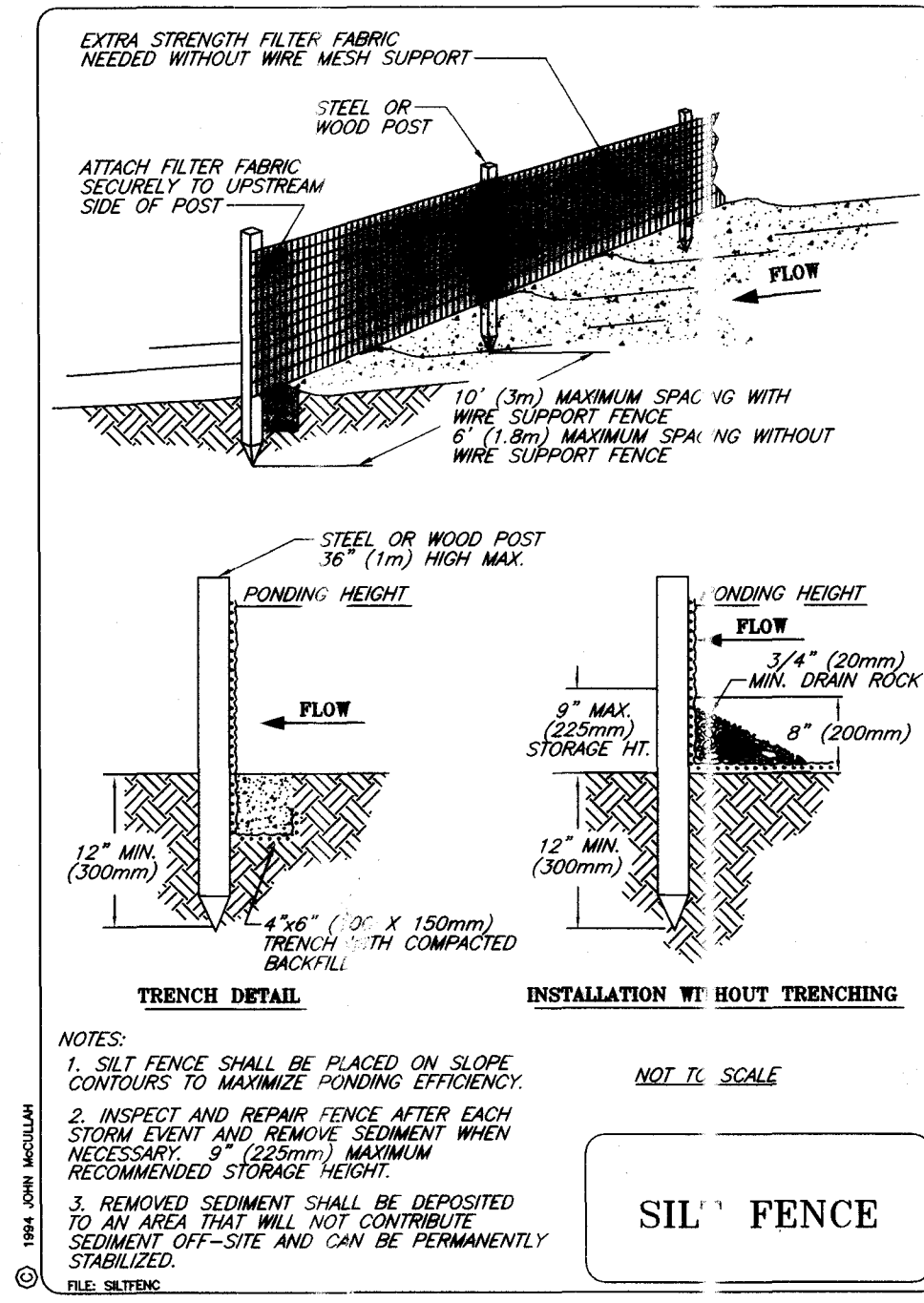
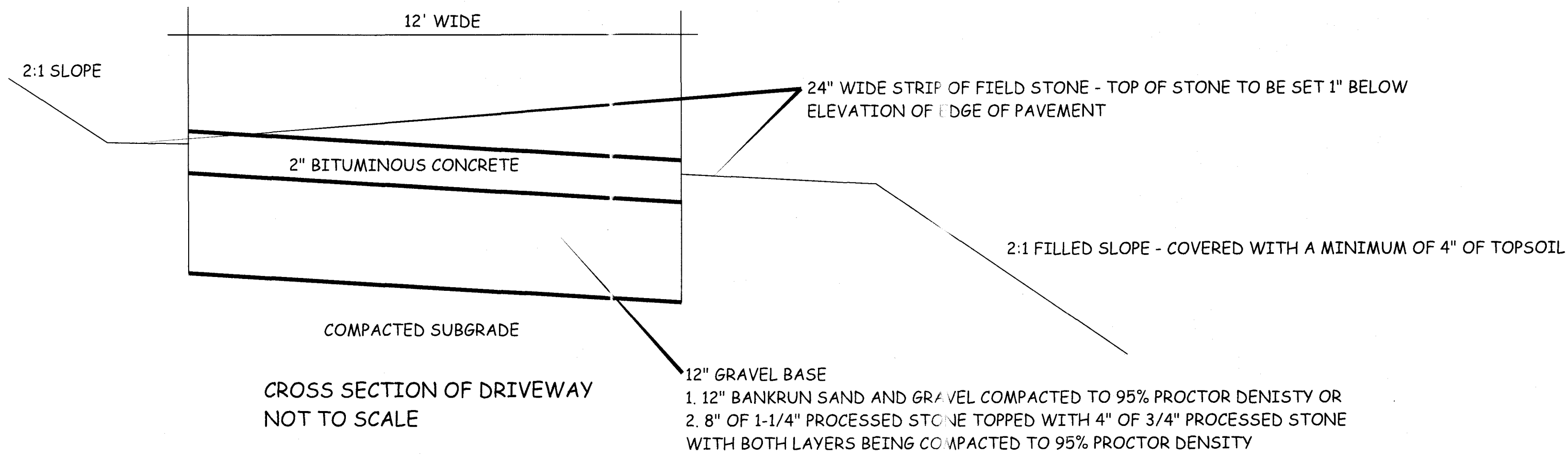
Installer
CoP9

TRINKAUS ENGINEERING, LLC
CIVIL ENGINEERS
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SOUTHBRURY, CONNECTICUT 06488
203-264-4958 (phone)
203-264-4958 (fax)
Email: strinkaus@earthlink.net
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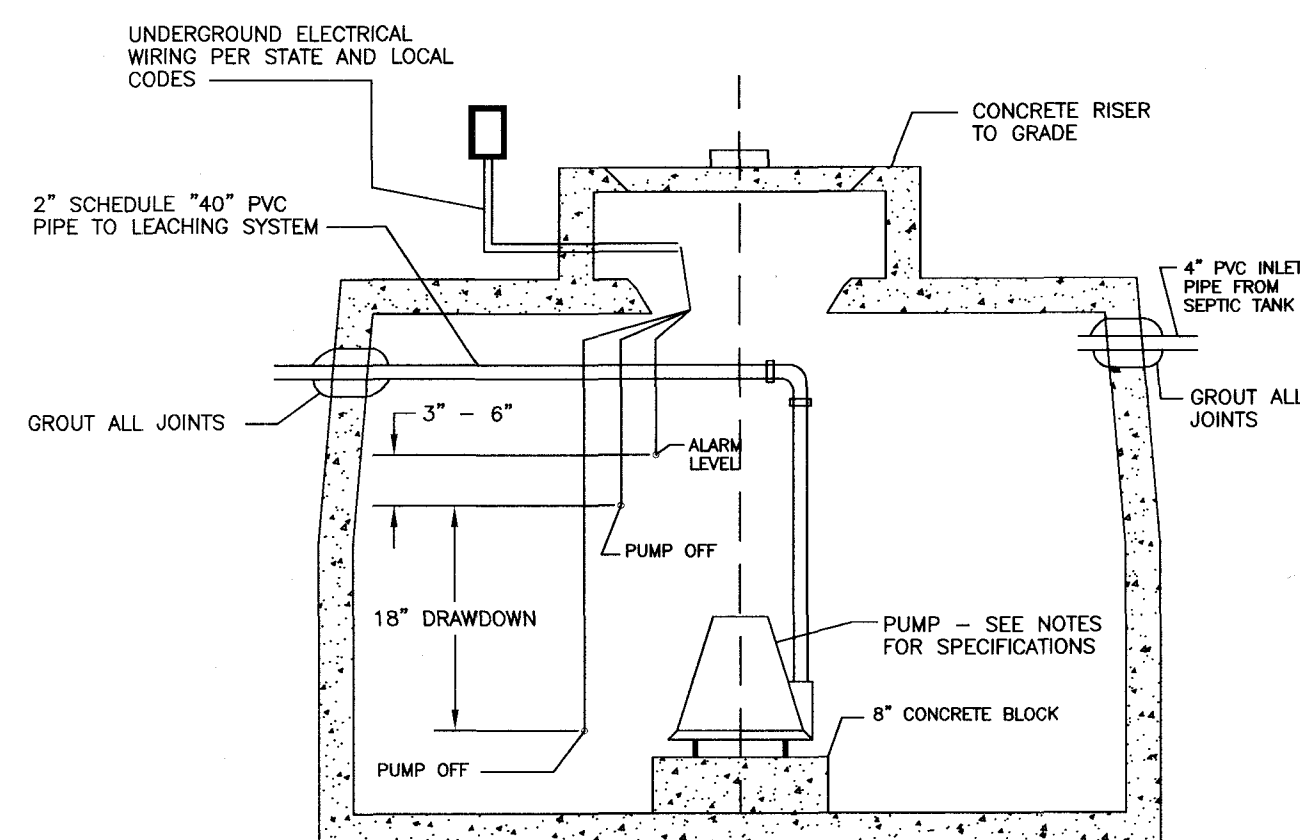
HOUSE SEPTIC SYSTEM
SHEET 3 OF 5
SCALE: 1" = 20'
PROJECT #075-2025
DATE: 1/1/26, Rev. to 3/20/26

PREPARED FOR
DAVID MABBOTT
1 ELMAN DRIVE
SALISBURY - CONNECTICUT



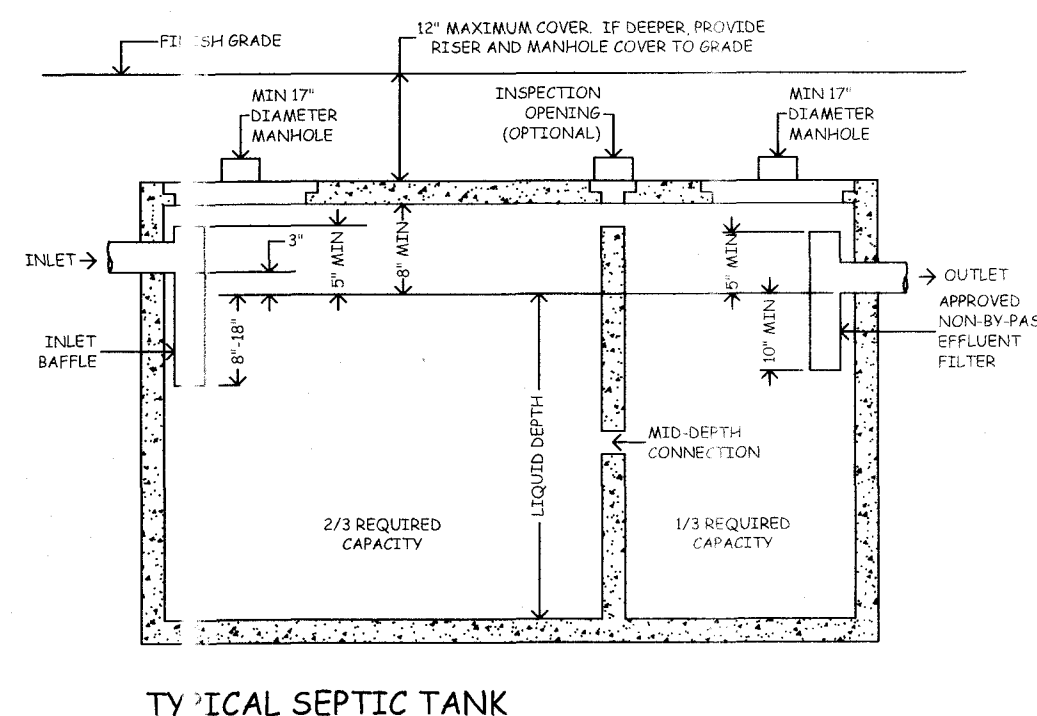
GLF 12-72

GREENLEACH SYSTEM SECTION - END VIEW



NOTE: PUMP CHAMBER TO BE WATERPROOFED TO PREVENT THE INTRUSION OF GROUNDWATER OR SURFACE WATER

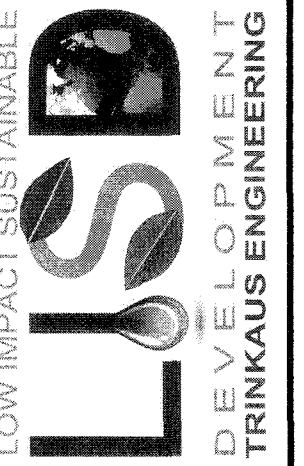
PUMP CHAMBER DETAIL
NOT TO SCALE



PREPARED FOR
DAVID MABBOTT
1 ELMAN DRIVE
SALISBURY - CONNECTICUT

CONSTRUCTION DETAILS

SHEET 5 OF 5
SCALES AS NOTED
PROJECT #075-2025
DATE: 1/17/26, Rev. to 3/20/26



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