

TOWN OF AMHERST
PERC TEST DATA SHEET

#4?

DATE MAY 8, 89 LOCATION MECHANIC ST LOT SIZE LOT #2

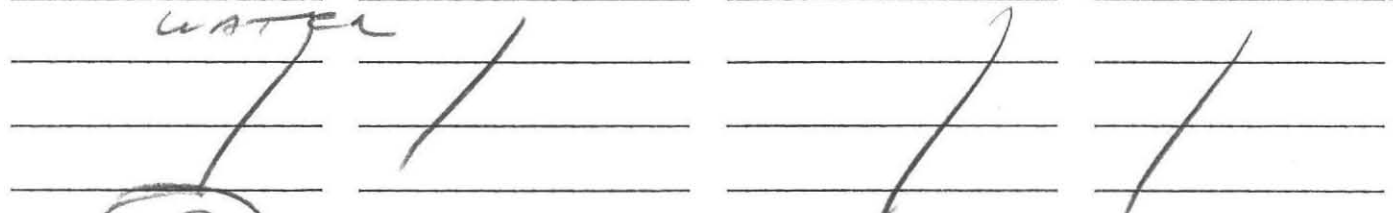
OWNER William - Donna Doherty ADDRESS 55 mechanic TELE # 256-6147

P.E./RS Fred Filios FIRM Filios ENT. OBSERVED BY David Zarnoff

BACK HOE OPERATOR Man's BENCH MARK _____

PERC DEPTH 55" PRE SOAK TIME 10:17 PERC DEPTH 42" PRE SOAK TIME 10:28

TEST CANT HOLD WATER CANT HOLD WATER

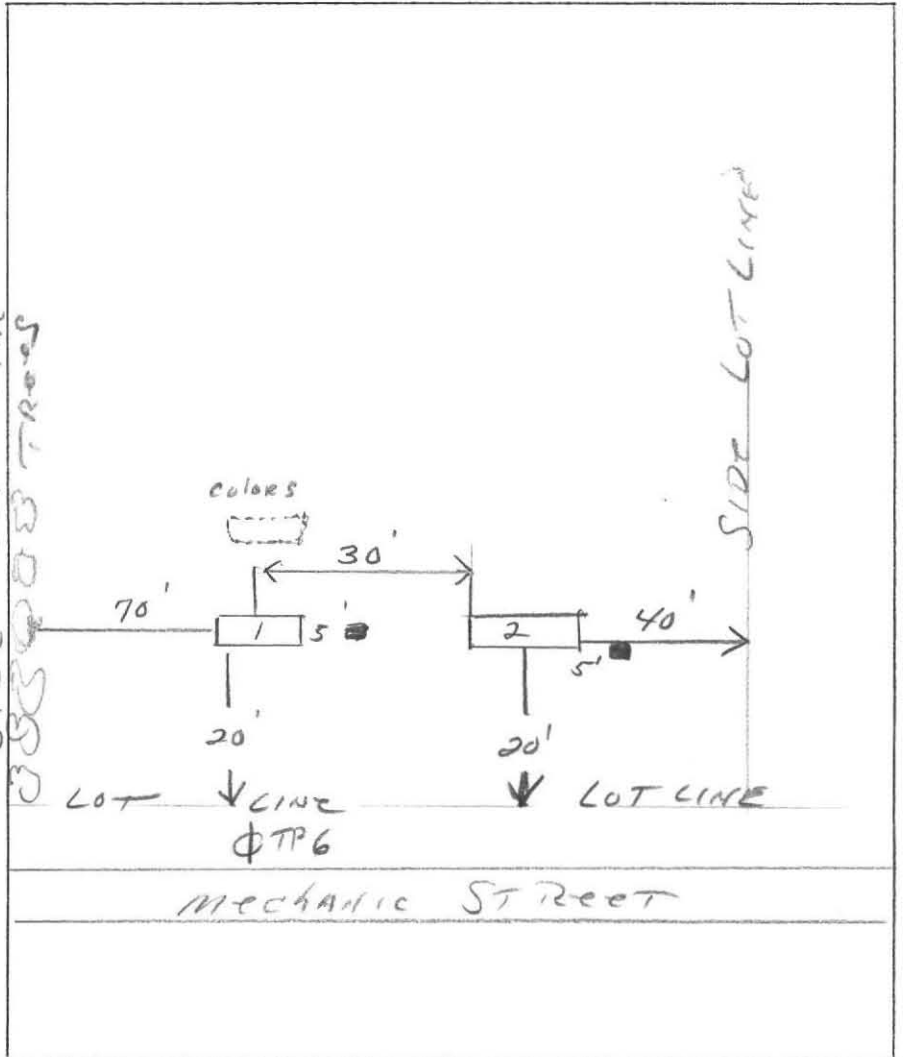


RATE 2 RATE _____

#1	#2
TOP 7	TOP 11
SUB 18	SUB 24"
Gravel 58"	SAND
Sand seepage 93"	Seepage 96"
101	CLAY 8 1/2"
	9 1/2"

#3	Color
TOP 9	Ap
SUB 19	Bw
96	C1
108	C2
FSL TOP	104 3/4
FSL SUB	104 1/2
med coarse	104 5/6
silt loam	104 2/3
	104 1/3

TOP	TOP
SUB	SUB



Colors 5/27/99

1413 467-7228

5/8/89

100

TITLE V FEES

Owner: William Doherty

Site: Lot 2 Mechanic St

LOT 1

Percolation Test: Per Lot

1 Date: 5/7/89

_____ Date: _____

_____ Date: _____

_____ Date: _____

_____ Date: _____

Disposal Works Construction Permit

Plan Review Date _____

Final Inspection Date _____

Subsequent Plan Review

Date _____

Date _____

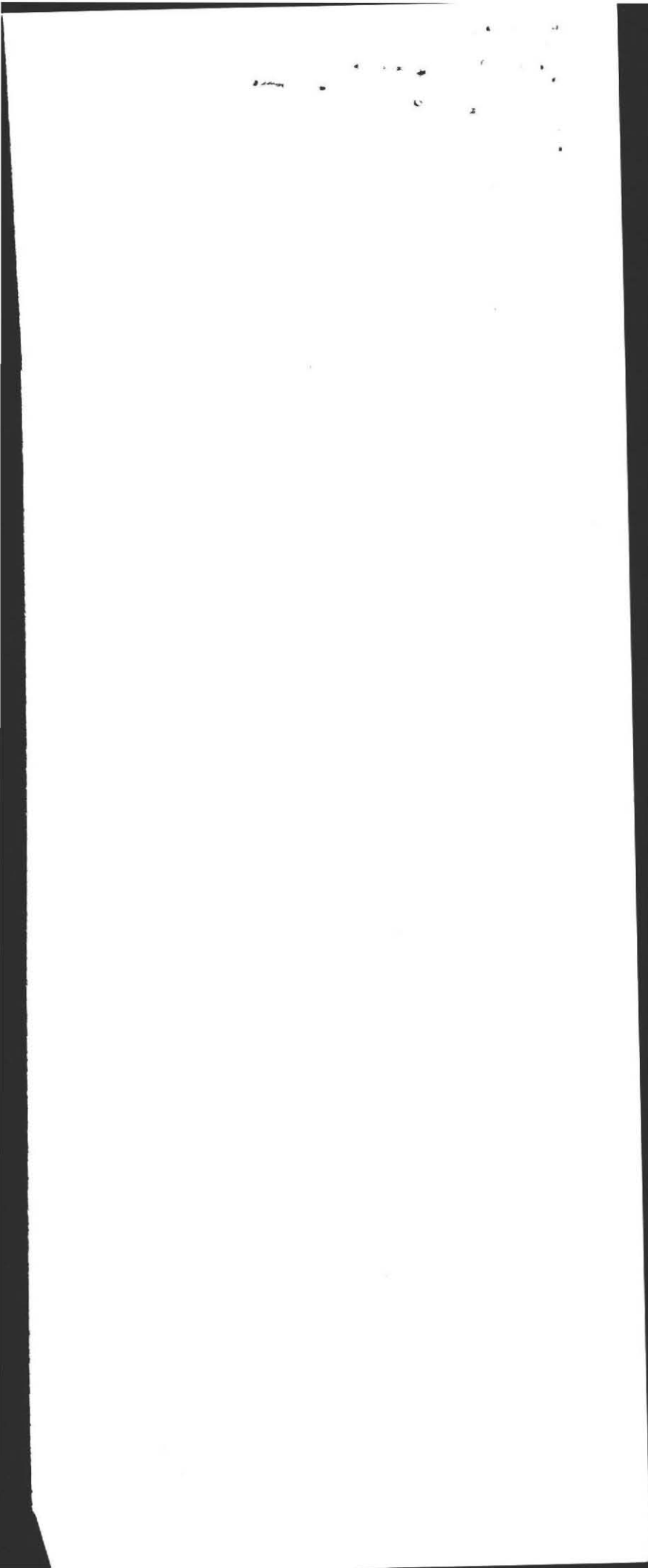
Date _____

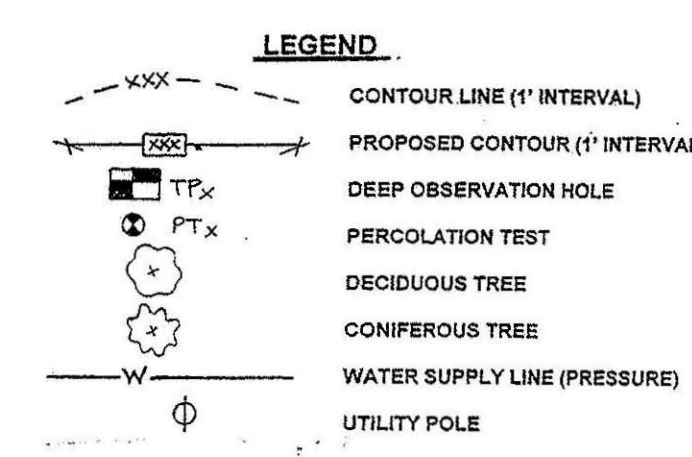
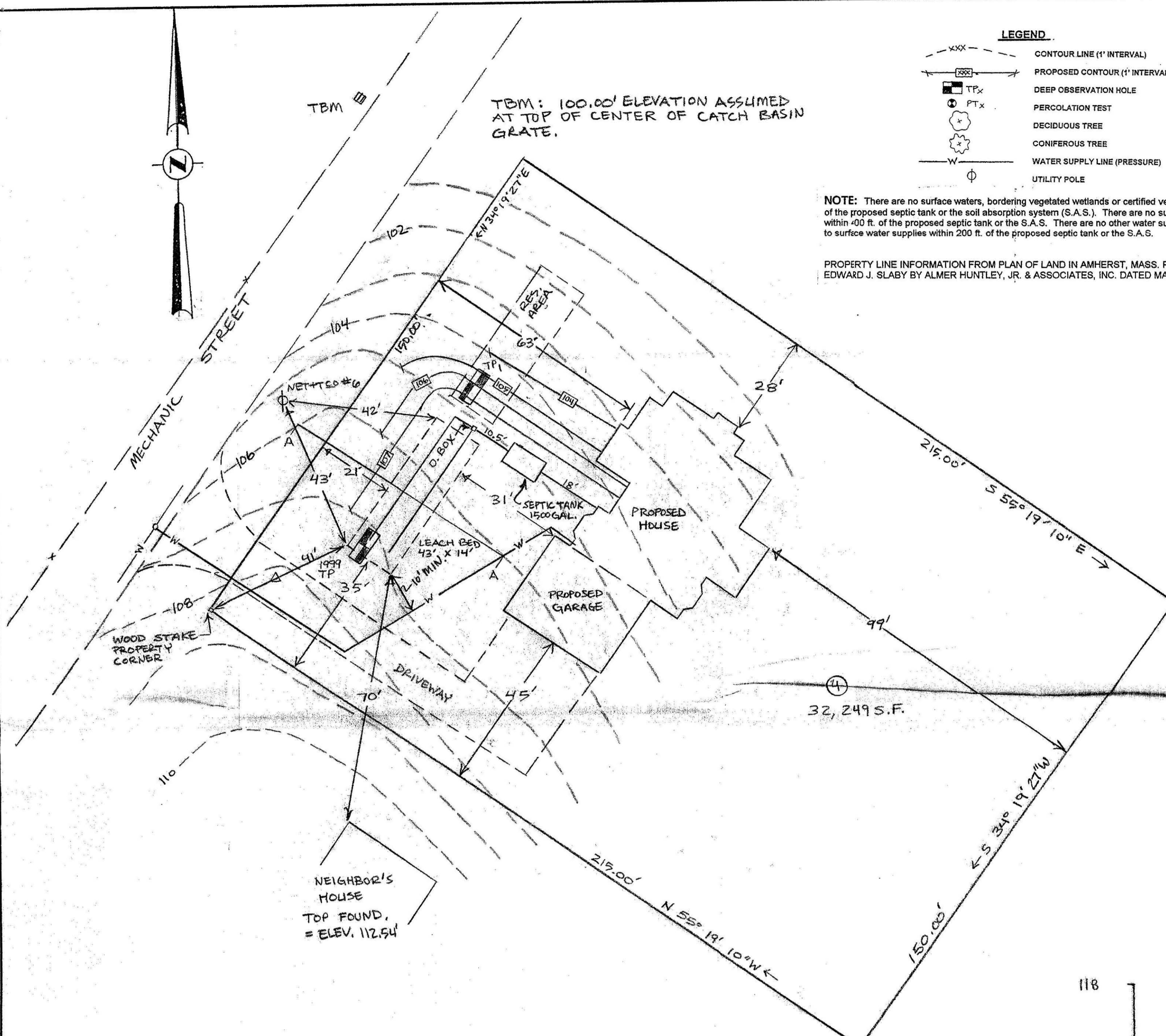
Reinspection of Installation

Date _____

Date _____

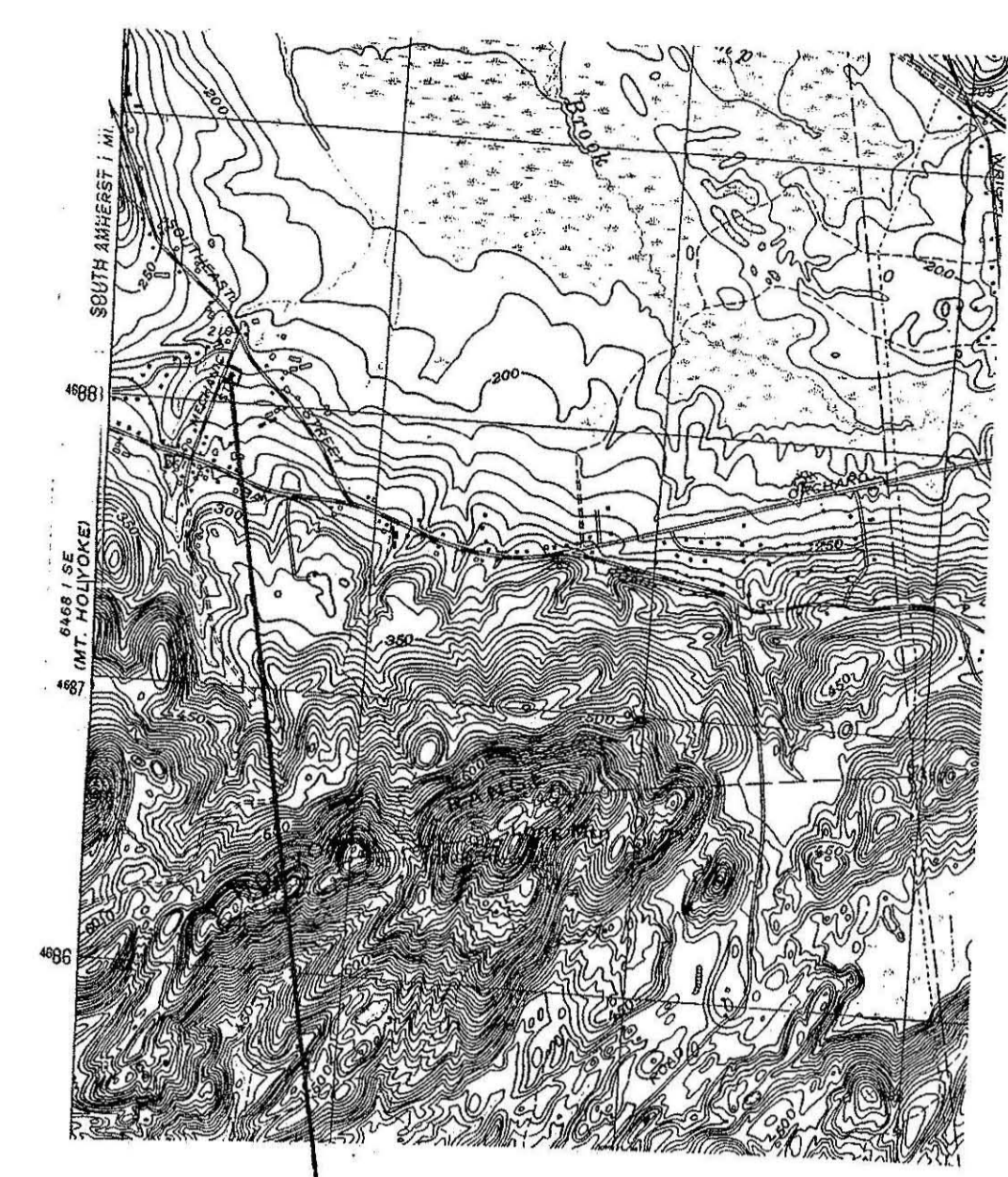
Date _____





NOTE: There are no surface waters, bordering vegetated wetlands or certified vernal pools within 100 ft. of the proposed septic tank or the soil absorption system (S.A.S.). There are no surface water supplies within 400 ft. of the proposed septic tank or the S.A.S. There are no other water supply wells or tributaries to surface water supplies within 200 ft. of the proposed septic tank or the S.A.S.

PROPERTY LINE INFORMATION FROM PLAN OF LAND IN AMHERST, MASS. PREPARED FOR EDWARD J. SLABY BY ALMER HUNTLEY, JR. & ASSOCIATES, INC. DATED MAY 4, 1973.



PROJECT LOCATION
USGS BELCHERTOWN, MASS QUADRANGLE
SCALE: 1:25,000

SOIL INVESTIGATION
 Test Pit 1 EL. 104.60' MAY 8, 1989
 Estimated Seasonal High Ground Water EL. 96.75'
 Bedrock EL. > 24.50'
 Class I soils.
 Test Pit 2 EL. 107.50' MAY 6, 1989
 Estimated Seasonal High Ground Water EL. 99.50'
 Bedrock EL. 74.50'
 Class I soils.
 Water supply wells within 200 feet and wetland resource areas within 100 feet of the proposed soil absorption system are as shown on the planview. Deep observation hole log and percolation test results are in attached Soil Suitability Report. Soil investigation and percolation testing by Robert Stover, Certified Soil Evaluator, and witnessed for the Board of Health by David Zarochinski on 5/18/89 + 5/17/89 PERC TEST + TP #1 BY F.A. FILIOS 5/18/89

DESIGN CRITERIA
 Design flow is for a three-bedroom house without a garbage grinder.

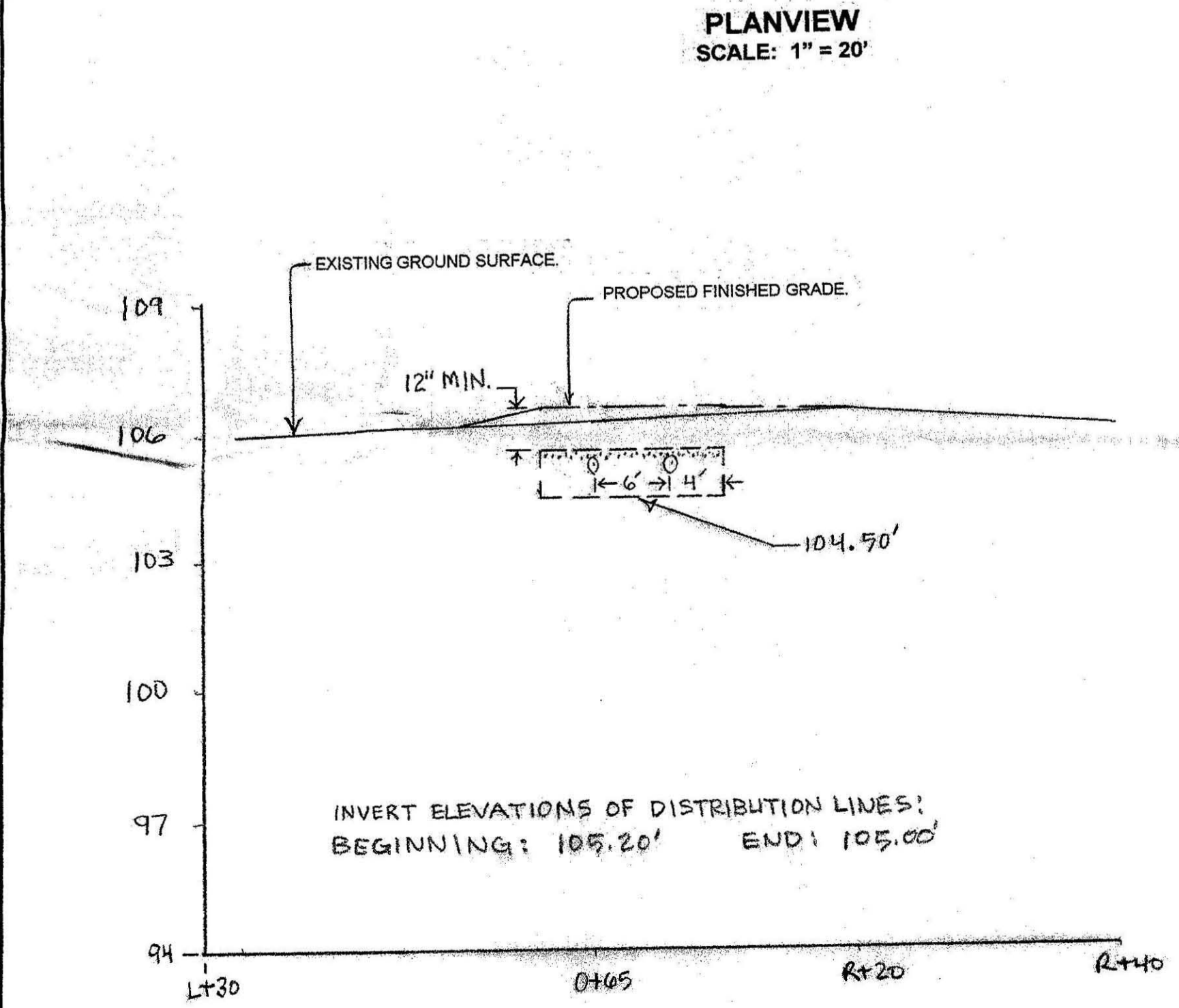
DESIGN CALCULATION
 Design Flow Required: 3-bedroom house without garbage grinder = 330 gpd.
 Proposed Septic Tank: 1500 gallons.
 Effluent Loading Rate: Percolation Rate = Less than one minute per inch. Class I soils. Effluent Loading Rate = 0.74 gpd/sf.
 Proposed Soil Absorption System: one leach field: 43.0' long by 14.0' wide
 Bottom Area: 43.0' X 14.0' = 602 sf.
 Sidewall Area: Not Allowed = 000 sf.
 Total Proposed Leaching Area = 602 sf.
 Calculated Design Flow: 602 sf X 0.74 gpd/sf = 445 gpd.
 Total Required Design Flow = 330 gpd (OK)

GENERAL CONDITIONS

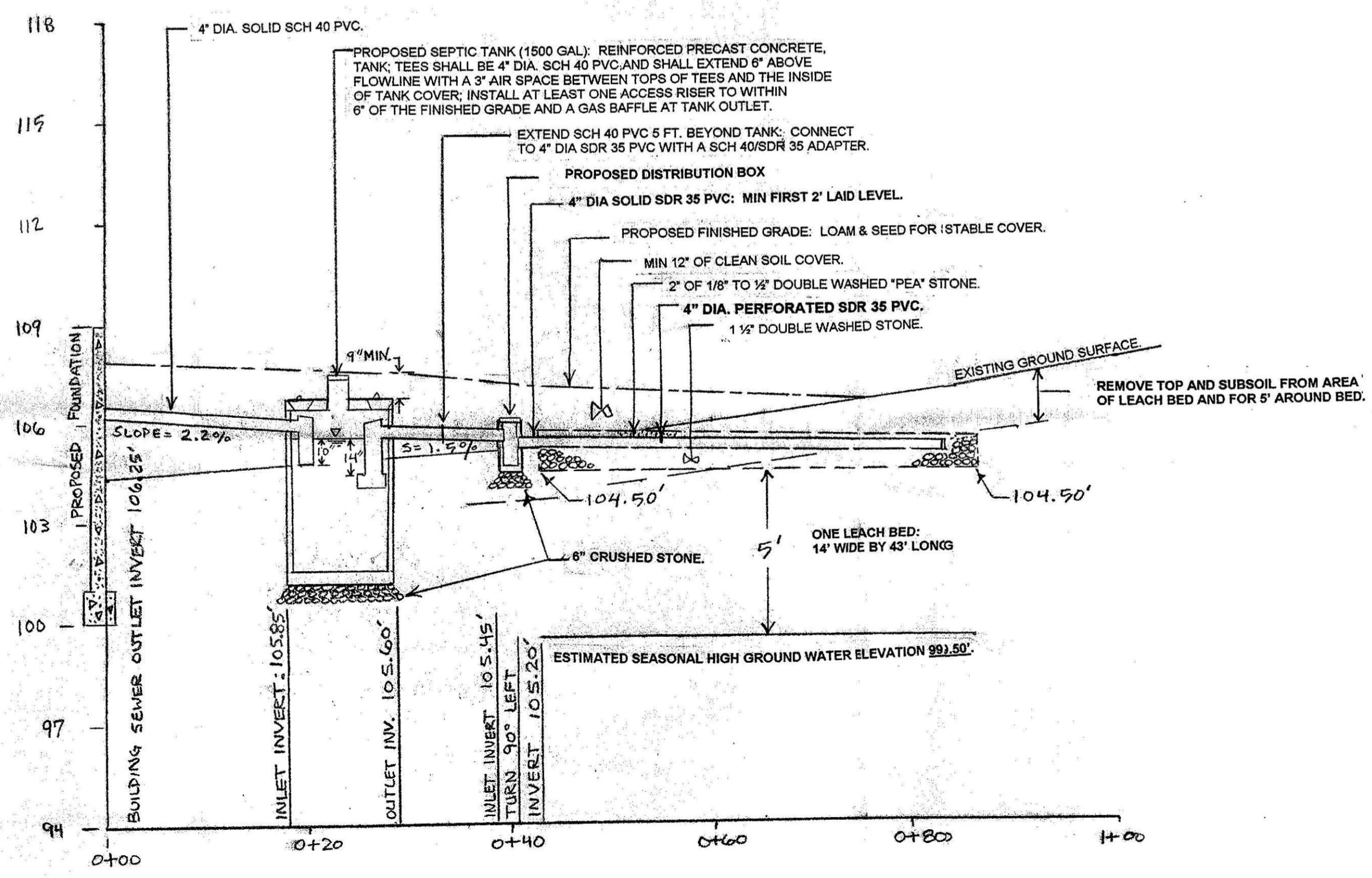
- This system design plan is prepared in accordance with Title 5, 310 CMR 15.00. Construction shall conform to these regulations.
- The installer shall notify the designer of any unusual conditions and shall not modify the plan without the written consent of the designer.
- All debris in the site area shall be removed and disposed of in accordance with the law.
- There is no guarantee expressed or implied to any user of a system installed pursuant to this plan.
- The installer shall notify the designer when the system excavation is ready for inspection and the designer and the Board of Health when the system installation is complete and prior to placement of the cover material for final inspection. Notification shall be 48 hours prior to the time of inspection.
- The on-site sewage disposal system shall be pumped and inspected as necessary and at least once every 3 years.

CONSTRUCTION NOTES

- Any topsoil, subsoil, stumps, stones, debris or other impervious materials encountered during excavation shall be removed from the area of the leaching trenches, from five feet around the trenches and from wherever fill is to be placed. Any fill placed in or adjacent to the trenches shall be a clean granular sand & conform to the specifications of Title 5, 310 CMR 15.25(3).
- The finished grade above the soil absorption system shall have a minimum two percent slope to shed surface runoff away from the system.
- Disturbed areas shall be loamed, seeded and mulched until stable vegetation is established.
- The pipes exiting the distribution box shall have the same invert elevation and shall be level for a minimum of the first two feet.



CROSS-SECTION OF LEACH FIELD
SCALE: H: 1" = 10' V: 1" = 3'



PROFILE OF SYSTEM
SCALE: H: 1" = 10' V: 1" = 3'



Richard E. Costa
11/30/02

ELLEN CAREY C/O HENRY E. WHITLOCK, BUILDER 181 NORTH ST., BELCHERTOWN, MA 01007		
SITE PLAN FOR SINGLE FAMILY HOUSE LOT 4, MECHANIC STREET, AMHERST, MASS		
SCALE: As Shown	APPROVED BY	DRAWN BY
DATE: 1/30/02		
AMHERST CIVIL ENGINEERING RICHARD COSTA, P.E. / ROBERT STOVER		
P.O. BOX 3312, AMHERST, MA 01004-3312		DRAWING NUMBER
(413)256-3400		