Benjamin O. Oke 152 Wildflower Dr. \*

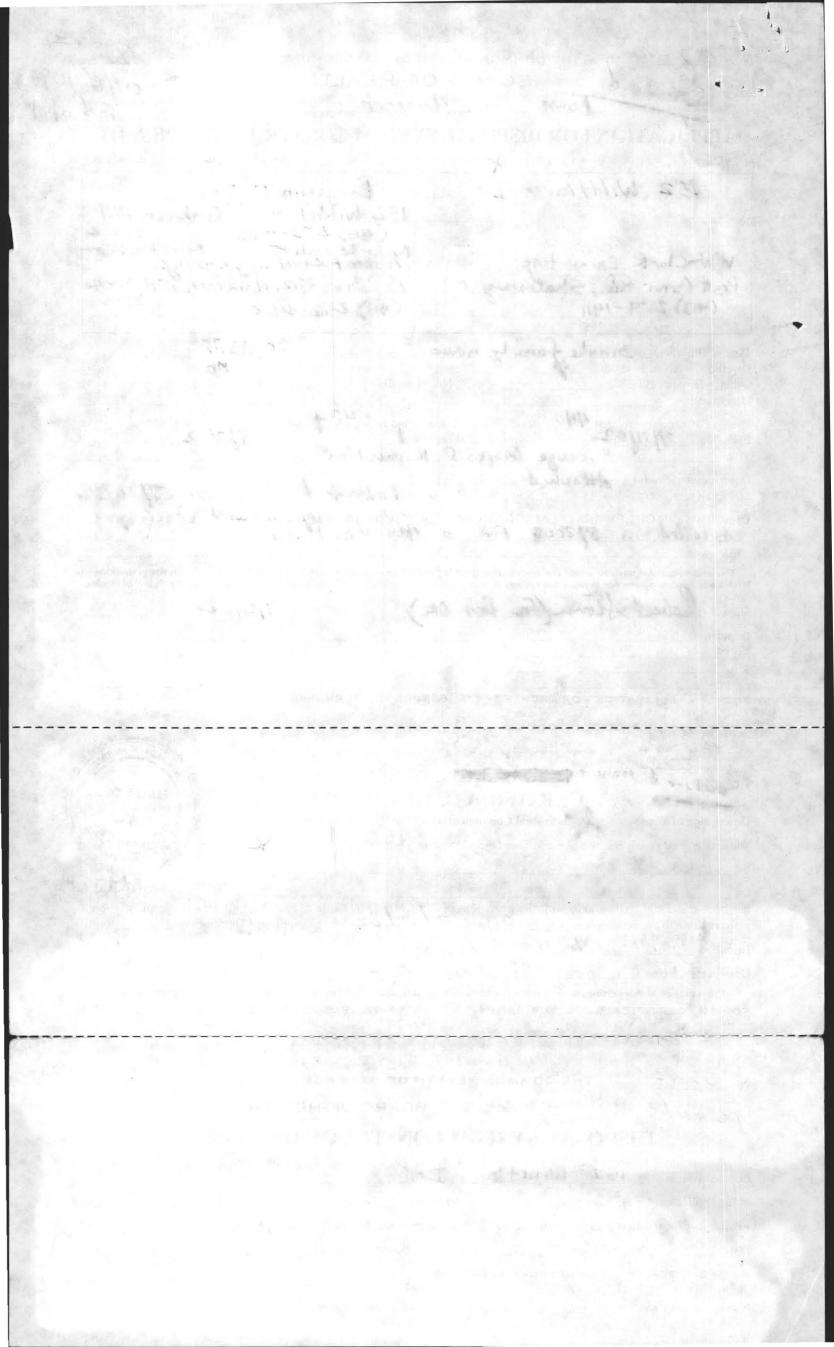
## THE COMMONWEALTH OF MASSACHUSETTS BOARD OF HEALTH

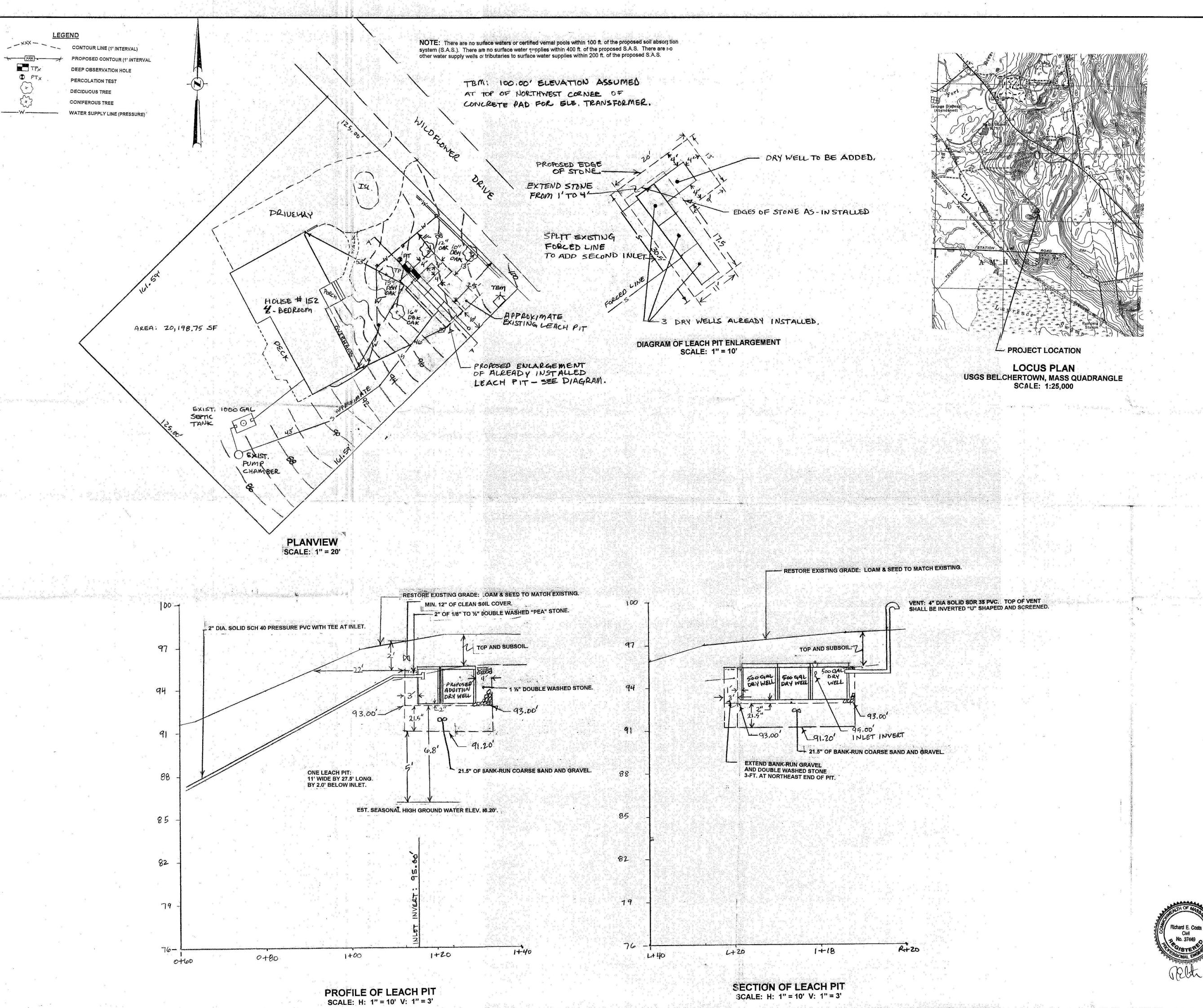
TOWN OF Amherst

FEE 1/5 = 04#409 Pd 9/9/0

## APPLICATION FOR DISPOSAL SYSTEM CONSTRUCTION PERMIT

Application for a Permit to	Construct ( ) Repair ( ) Opgrade (	
152 W	ild flower Dr.	Benjamin O. OKE
	Location	152 Wildflower Dr. June st. MA
	Map/Parcel #	(413) 253-78 Address 10, 01002
WW Clark	Excavating	Richards Costa PE Telephone # Popert Stover
Pratt Corner R	Anstaller's Name MA	P.O. Box 3312, Amhorst, MM 01004
(413) 2 19-	Address	(413) 256-3400 Address 3312
	Telephone #	Telephone #
• •	ingle family house	
Owelling — No. of Bedro Other — Type of Buildin		Garbage Grinder ( ) of persons Showers ( ), Cafeteria ( )
Other fixtures	igivo.	of persons showers ( ), Caleteria ( )
Design Flow (min. requi	red) 440 gpd Calculated	design flowgpd Design flow providedgpd
Plan: Date	Number of sheets	· · · · ·
	All I D	Kepen Hou
Description of Soil(s) Soil Evaluator Form No.	Name of Soil Evalu	nator Nober-Stove Date of Evaluation 72
DESCRIPTION OF RE	PAIRS OR ALTERATIONS	enlarge replacement le il pet
Installed in	3/200% for a	the bedroom
The second second		
TTLE 5 and further agrees r	not to place the system in operation un	vidual Sewage Disposal System in accordance with the provisions of ntil a Certificate of Compliance has been issued by the Board of Health.
Signed Steel x	Store for ben ok	Date 9/6/02
Inspections	the state of the s	
No. (0 2 20)	THE COMMONWEALT	PPROVED FORM 5/96  TH OF MASSACHUSETTS
	THE COMMONWEALT	BOARD OF HEALTH  OF COMPLIANCE  Richard E. Costa
NoP	THE COMMONWEALT  CERTIFICATE  Individual Component(s)	BOARD OF HEALTH  OF COMPLIANCE  Civil  No. 37449
Description of Work:	THE COMMONWEALT  CERTIFICATE  Individual Component(s)	BOARD OF HEALTH  OF COMPLIANCE  Richard E. Costa
Description of Work:  The undersigned hereby copy:	CERTIFICATE  Individual Component(s) ertify that the Sewage Disposal Syste	BOARD OF HEALTH  OF COMPLIANCE  Civil  No. 37449
Description of Work: The undersigned hereby copy:	THE COMMONWEALT  CERTIFICATE (  Individual Component(s))  ertify that the Sewage Disposal Syste	BOARD OF HEALTH  OF COMPLIANCE  Complete System  em; Constructed ( ), Repaired ( ), Upgraded ( ), Sound E
Description of Work: The undersigned hereby copy:  at	THE COMMONWEALT  CERTIFICATE  Individual Component(s)  ertify that the Sewage Disposal Syste  cordance with the provisions of 31	BOARD OF HEALTH  OF COMPLIANCE  Civil  No. 37449
Description of Work: The undersigned hereby copy:  at has been installed in accolumn relating to application.	CERTIFICATE  Individual Component(s)  ertify that the Sewage Disposal Syste  cordance with the provisions of 31  tion No. 2 4 dated 9	BOARD OF HEALTH  OF COMPLIANCE  Civil  No. 37449  em; Constructed ( ), Repaired ( ), Upgraded ( ), Sometimed ( ), Upgraded ( ),
Description of Work: The undersigned hereby copy:  It	CERTIFICATE  Individual Component(s)  ertify that the Sewage Disposal Syste  cordance with the provisions of 31  tion No. 2 4 dated 9	BOARD OF HEALTH OF COMPLIANCE  Civil No. 37449  em; Constructed ( ), Repaired ( ), Upgraded ( ), Languised ( ),
Description of Work: The undersigned hereby copy:  It	THE COMMONWEALT  CERTIFICATE  Individual Component(s)  ertify that the Sewage Disposal Syste  cordance with the provisions of 31  tion No. 2 / Anspecto	BOARD OF HEALTH OF COMPLIANCE  Civil No. 37449  em; Constructed ( ), Repaired ( ), Upgraded ( ) Languised ( ) Lang
Description of Work: The undersigned hereby control of the undersigned her	CERTIFICATE  Individual Component(s)  ertify that the Sewage Disposal Syste  cordance with the provisions of 31  tion No. (2) Adated 9  Anaporto  ertificate shall not be construed as a	BOARD OF HEALTH  OF COMPLIANCE  Civil  No. 37449  em; Constructed ( ), Repaired ( ), Upgraded ( )  COMPLIANCE  Approved Design Flow (gpd)
Description of Work: The undersigned hereby contents as been installed in accolans relating to applicationstaller Designer: The issuance of this contents and the contents are accounted by the contents are accounted b	CERTIFICATE  Individual Component(s)  ertify that the Sewage Disposal Syste  cordance with the provisions of 31  tion No. O A dated 9  A form 9 12   Anspecto  ertificate shall not be construed as a	BOARD OF HEALTH OF COMPLIANCE  Civil No. 37449  em; Constructed ( ), Repaired ( ), Upgraded ( ), Solomal ( ), Upgraded ( ), Upgr
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**DEEP OBSERVATION HOLE LOG** 

BOH Representative: Date of Evaluation:

David Zarozinski

Ground surface elevation at test pit: 97.20'. Estimated Seasonal High Ground Water Elevation: 86:20' Elevation of Bedrock: 86:20'.

×	<u>Depth</u>	Soil Horizon	Soil Texture	Soil Color	Soil Mottling	<u>Other</u>
	0 – 10"	Ap	FSL	10YR3/3	none	Consistence: fria
	10 –30"	Bw	FLS	10YR6/8	none	Consistence: firr Structure: massi
	30 -132"	С	FS	10YR6/6	none	Consistence: lo

Weeping from Hole Face: none

Parent Material (Geologic): outwash Standing water in the hole: none

DESIGN CRITERIA

Design flow is for a four-bedroom house without a garbage grinder.

**DESIGN CALCULATION** 

4-bedroom house without garbage grinder: Design Flow Required:

Effluent Loading Rate: Percolation Rate = 1.0 minutes per inch.

Effluent Loading Rate = 0.74 gpd/sf. Proposed enlargement of already installed leach pit (present dimensions: 27.5' long by 11.0' wide): increase aggregate along northeast end of leach pit from 1-ft. to 4-ft.; add a dry well surrounded by 4-ft. of aggregate as shown on planview. Enlarged leach pit will have 202 sq. ft. of sidewall and 452.5 sq. ft. of bottom area (see "Diagram Of Leach Pit Enlargement").

Bottom Area: (30.5' X 11.0') + (13' x 9'); = 452.5 sf. Sidewall Area: 101' X 2' (effective depth):

= 202.0 sf,Total Proposed Leaching Area = 654.5 sf. Calculated Design Flow: 654.5 sf X 0.74 gpd/sf = 484.33 gpd. = 440.0 gpd (OK)

GENERAL CONDITIONS

Total Required Design Flow

1. This system repair plan is prepared in accordance with Title 5, 310 CMR 15.00. Construction shall conform to these regulations.

2. The installer shall notify the designer of any unusual conditions and shall not

modify the plan without the written consent of the designer. 3. All debris in the site area shall be removed and disposed of in accordance

4. There is no guarantee expressed or implied to any user of a system installed pursuant to this plan.

5. The installer shall notify 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

6. The on-site sewage disposal system shall be pumped and inspected as necessary and at least once every 3 years.

## **CONSTRUCTION NOTES**

1. 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 15.255(3).

The finished grade above the soil absorption system shall have a minimum two percent slope to shed surface runoff away from the system. 3. Disturbed areas shall be loamed, seeded and mulched until stable vegetation

is established.

4. The pipes exiting the distribution box shall have the same invert elevation and shall be level for a minimum of the first two feet.

5. Existing septic tank and its tees/baffles shall be inspected to ensure that they are structurally sound and functional.

6. Any part of existing soil absorption system encountered during excavation

shall be disposed of in accordance with the requirements of the Board of

SEWAGE DISPOSAL REPAIR PLAN 152 WILDFLOWER DRIVE, AMHERST, MASS

BENJAMIN O. OKE 152 WILDFLOWER DR., AMHERST, MA 01002-3372

SCALE: AS SHOWN APPROVED BY DRAWN BY RWS DATE: 7/31/02 REVISED 9/3/02

RICHARD COSTA, P.E. / ROBERT STOVER

P.O. BOX 3312, AMHERST, MA 01004-3312 (413)256-3400

AMHERST CIVIL ENGINEERING