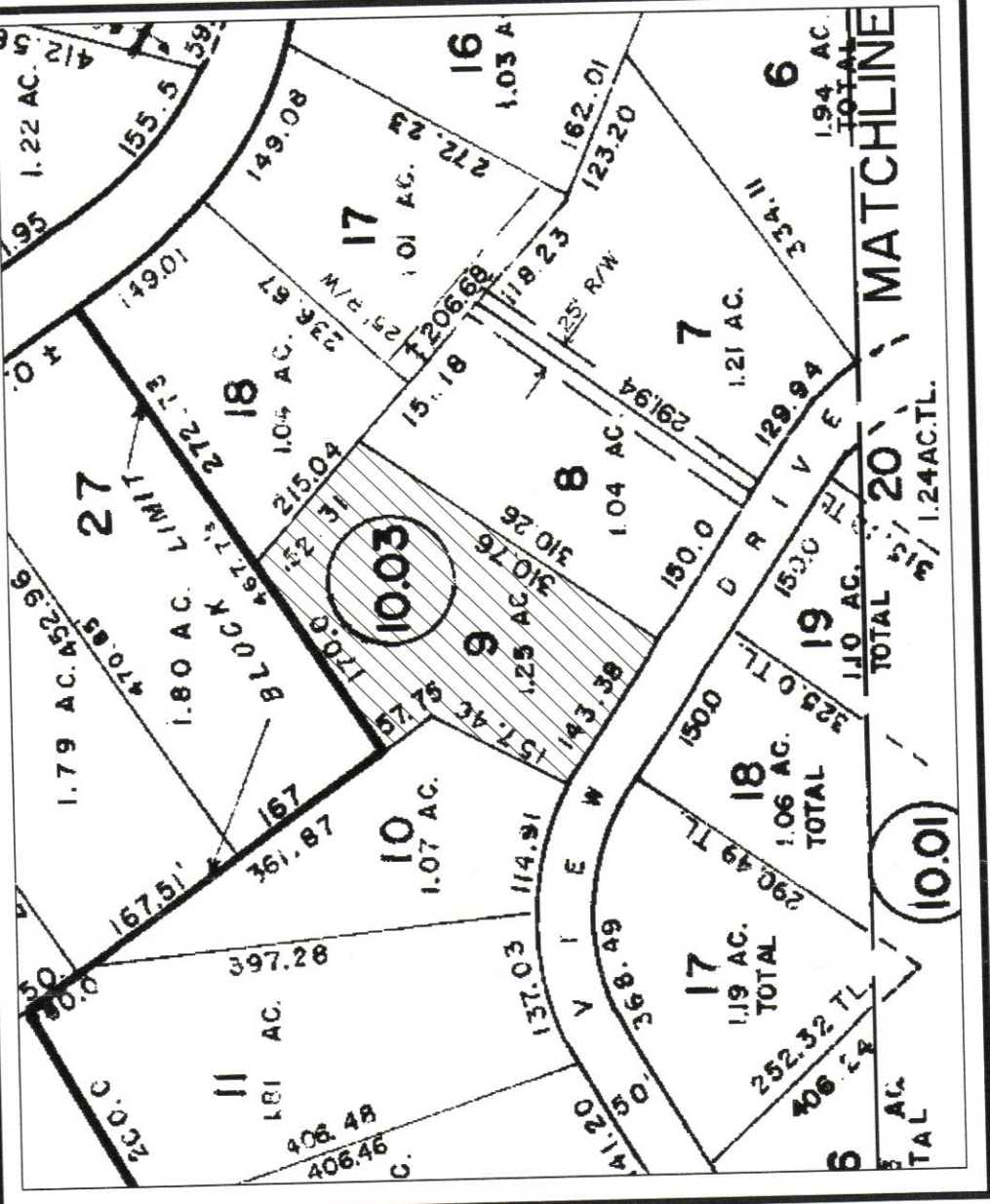


SEPTIC SYSTEM DESIGN

DESIGNED FOR A 3 BEDROOM HOUSE. GAL/DAY
TOTAL DAILY SEWAGE VOLUME = 300.00 IN/HR.
DESIGN PERMEABILITY RATE = 1.61 SQ.FT./GPD
REQUIRED BOTTOM AREA/GPD = 805 SQ. FT.
500 GAL/DAY X 1.61 SQ. FT./GPD = 805 SQ. FT.
PROVIDED = 816 SQ. FT.
CONSTRUCT A DISPOSAL BED
12' WIDE X 68' LONG
x 7'-10" DEEP MIN.
x 8'-6" DEEP MAX.
FROM PROPOSED GRADES
SEE SECTION VIEW
FOR MORE DETAIL



KEY MAP
NTS

GENERAL SEPTIC SYSTEM DESIGN NOTES

1. ALL WORK TO BE DONE IN ACCORDANCE WITH NJDEP "STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL SYSTEMS.
2. DISPOSAL SYSTEM INSTALLER TO LOCATE BURIED UTILITIES ON SITE PRIOR TO CONSTRUCTION.
3. THERE ARE NO WELLS WITHIN 100 FEET OF THE PROPOSED SEPTIC SYSTEM.
4. THERE ARE NO SEPTIC SYSTEMS WITHIN 50 FT. OF THE PROPOSED DISPOSAL FIELD.
5. THE DESIGN ENGINEER AND HEALTH DEPARTMENT SHALL RECEIVE A MINIMUM OF ONE WEEK'S NOTICE PRIOR TO BEGINNING CONSTRUCTION OF THE DISPOSAL SYSTEM.
6. GRADE AREA TO DIVERT SURFACE WATER AWAY FROM THE DISPOSAL AREA.
7. THE DESIGN ENGINEER IS TO PREPARE AN AS-BUILT PLAN UPON COMPLETION OF CONSTRUCTION.
8. ANY CONDITIONS DIFFERENT THAN SHOWN MUST BE REPORTED TO THE DESIGN ENGINEER.
9. PRIOR TO CONSTRUCTION:
 - A. STAKE OUT THE PROPOSED DISPOSAL FIELD.
 - B. SET A BENCHMARK IN THE IMMEDIATE DISPOSAL AREA.
10. GARBAGE GRINDERS AND BACKWASH FROM POOLS, WATER SOFTENERS SHALL NOT BE DISCHARGED INTO THE DISPOSAL SYSTEM.
11. THERE ARE NO KNOWN EASEMENTS ON THIS PROPERTY.
12. BOUNDARY INFORMATION SHOWN HEREON WAS BASED A SURVEY OF PROPERTY PREPARED BY KEELAN AND PICA, JOHN J. KEELAN, N.J.S.#19850, DATED MAY 16, 1988.
13. TOPOGRAPHY SHOWN WAS PREPARED UNDER THE DIRECT SUPERVISION OF CHRISTOPHER J. ALDRICH, N.J.S.#34478 OF THIS FIRM.
14. ANY NEW SEWER LINE CONSTRUCTED WITHIN 5 FEET OF THE BUILDING MUST BE PERMITTED AND INSPECTED BY THE BUILDING DEPARTMENT.
15. ALL TREES WITHIN 10' OF THE DISPOSAL FIELD MUST BE REMOVED.
16. UNDERGROUND UTILITIES SHALL BE MARKED OUT PRIOR TO THE START OF CONSTRUCTION.
17. CONTRACTOR TO VERIFY INVERT OF SEWER LINE EXITING BUILDING TO ENSURE GRAVITY FLOW TO THE PROPOSED SEPTIC TANK AND D-BOX PRIOR TO THEIR CONSTRUCTION.
18. THERE ARE NO WETLANDS WITHIN 150 FEET OF PROPOSED SEPTIC SYSTEM.
19. THERE ARE NO CATEGORY ONE WATERS WITHIN 300 FEET OF THE PROPOSED SEPTIC SYSTEM.
20. TOTAL SOIL DISTURBANCE FOR THE PROPOSED SEPTIC SYSTEM IS LESS THAN 5,000 SF.
21. THE EXISTING SEPTIC TANK SHALL BE PUMPED BY A LICENSED SEWAGE SCAVENGER, BACKFILLED WITH NATIVE SOIL AND ABANDONED.
22. THE BOARD OF HEALTH SHALL WITNESS THE ABANDONMENT.
23. THERE ARE NO WATERCOURSES WITHIN 50' OF THE PROPOSED FIELD.
24. THIS PROJECT IS EXEMPT FROM THE NJ HIGHLANDS ACT.
25. THIS LOT IS SERVED BY A POTABLE WELL.
26. THE AVERAGE EXISTING GRADE OVER THE PROPOSED SEPTIC FIELD IS LESS THAN TEN PERCENT.
27. THE TOTAL SOIL DISTURBANCE FOR THIS PROJECT IS LESS THAN 5,000 SF (THIS PROJECT = 2,500 SF).

Soil Log #1 Elevation 93.7' (2/19/16)

0'-3" Top soil
3'-18" (7.5YR 5/6) Strong brown, subangular blocky, friable loam
18"-78" (5YR 5/8) Strong brown, subangular blocky, friable, loam
78"-144" (5YR 5/6) Strong brown, subangular blocky, friable, sandy loam 35 % gravel
Mottles: none
Water: none

Soil Log #2 Elevation 94.0' (2/19/16)

0'-5" Top soil
5'-18" (7.5YR 5/6) Strong brown, subangular blocky, friable loam
18"-36" (5YR 5/6) Strong brown, subangular blocky, friable, loam
36"-132" (5YR 5/6) Strong brown, subangular blocky, friable, sandy loam 35 % gravel
Mottles: 120"-132" few, fine, faint
Water: none

CHESTER TOWNSHIP
BOARD OF HEALTH
APPROVED

RELS. *[Signature]*
DATED 4/11/16

☒ Plumbing Permit Required
☐ Electrical Permit Required

EXCAVATION INSPECTION REQUIRED
FINAL INSPECTION REQUIRED
ENGINEER MUST STAKE BED LOCATION
ENGINEER MUST INSPECT AND CERTIFY
INSTALLATION OF THIS SEPTIC SYSTEM

RECEIVED
MAR 31 2016
CHESTER TOWNSHIP
BOARD OF HEALTH

YANMACCONE VILLA & ALDRICH, LLC
Civil Engineers & Land Surveyors & Professional Planners
460 MAIN STREET, P.O. BOX 459
CHESTER, NEW JERSEY 07930
PHONE: 908-879-6646
FAX: 908-879-8591
N.J. STATE BOARD FOR P.E. & P.L.S. CERTIFICATE OF AUTHORIZATION No. 246279-1600

TOPOGRAPHY IN AREA OF PROPOSED SEPTIC WAS CONFIRMED UNDER MY SUPERVISION

[Signature]
CHRISTOPHER J. ALDRICH
N.J. PROFESSIONAL LAND SURVEYOR
NO. 34478 DATE 3/21/16

[Signature]
GREGORY E. YANMACCONE
DATE: 3/21/16
N.J. PROFESSIONAL ENGINEER No. 39904
NOT VALID WITHOUT SIGNATURE AND RAISED SEAL

PROJECT TITLE :
ADEY PROPERTY
22 MOUNTAIN VIEW DRIVE
LOT 9 ~ BLOCK 10.03
CHESTER TOWNSHIP
MORRIS COUNTY, NEW JERSEY

SHEET TITLE :
SEPTIC ALTERATION PLAN

DRAWN BY: JAL DATE: 3/21/16
CHECKED BY: GJ SCALE: 1" = 30'

W.O. 216009
F.B. 786 115-118
FILE:
COMP. FILE: M:\SEPTIC\LOMA\216009\216009.dwg (septic) k408.dwg