

Final
100
5/29/98

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

INDEXED

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXXX~~ 410-313-2640

5/10/41

A 50225-EE

DISTRICT 4th

DATE 5-14-98

DATE SYSTEM APPROVED 5/29/98

INSPECTOR DKS

Fogle's Septic Clean, Inc. IS PERMITTED TO INSTALL ☒ ALTER ☐

ADDRESS 558 Obrecht Road, Sykesville, Maryland 21784 PHONE 410-795-5674

SUBDIVISION Vineyards at Cattail Creek LOT 9 ROAD 3607 Willow Birch Drive

PROPERTY OWNER Jeff & Terry Lyons

ADDRESS

SEPTIC TANK CAPACITY 1250 GALLONS TOP SEAMED

NUMBER OF BEDROOMS 4

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 280

TRENCHES - Trench to be 3 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 6 feet below original grade. Effective area begins at 4 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - From the right front lot corner, start the first trench 210 feet down the right lot line and 15 feet off that line as seen from Willow Birch Drive. Run trenches along contour towards the left side of the lot.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 5/29/98 DKS

PLANS APPROVED BY C. Williams/Donna K. Soe DATE 01/27/98

COVER NO WORK UNTIL INSPECTED AND APPROVED

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM

NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS, 90° ELBOWS NOT ACCEPTABLE.

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX TRENCHES) TO BE 100 FEET FROM WELL (UNLESS OTHERWISE SPECIFICALLY AUTHORIZED)

NOTE: IF DEEP TRENCH(ES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(ES)

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS

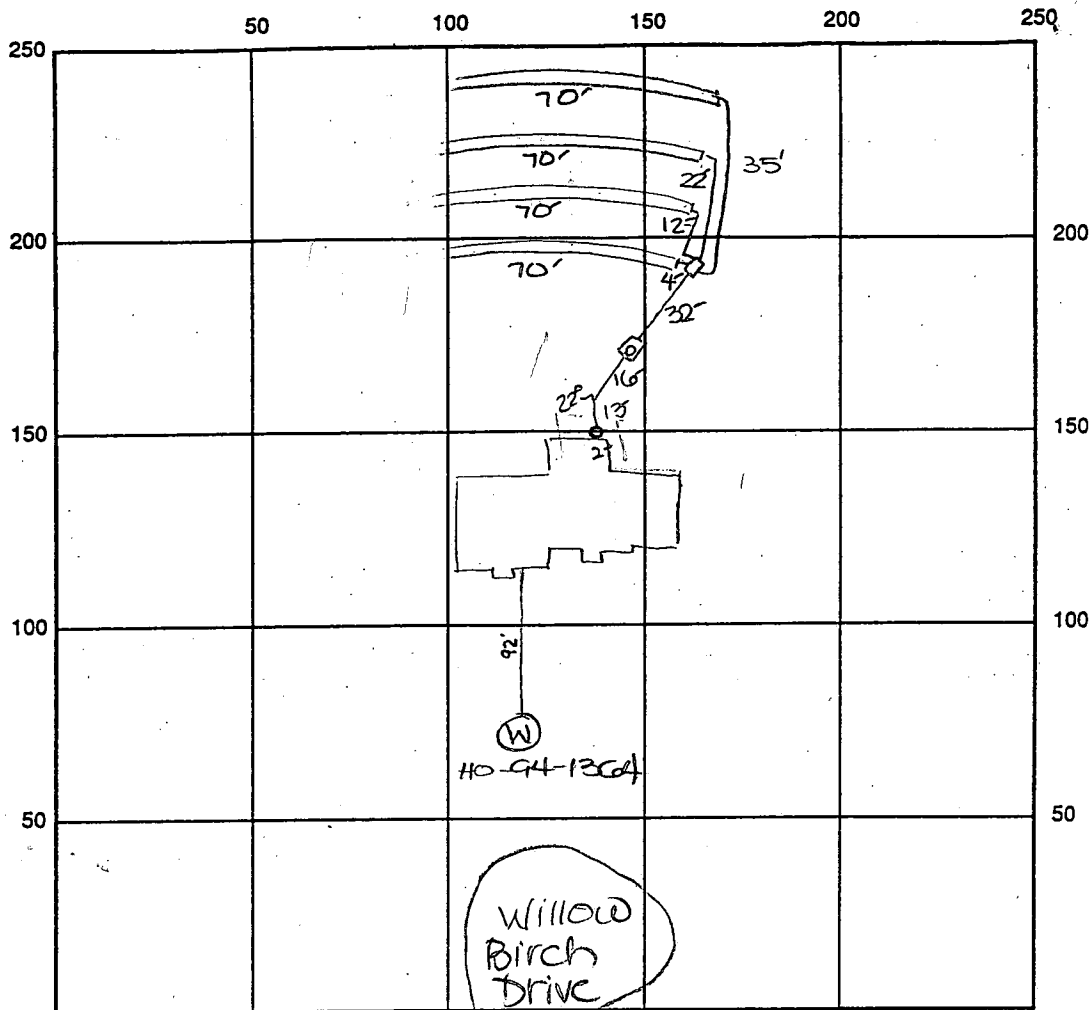
PERMIT VOID AFTER TWO YEARS

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON. CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

ORIGINAL PERMIT SIGNED
AND RETURNED 8/29/01
00013290. Finish Bsmt.
to include rec. room, bathroom
office, exercise room &
wet bar.



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL OK - 1250 gal CLEANOUTS one at house, one on S.T.

DISTRIBUTION BOX LEVEL OK

DRAIN FIELD/TITLE DEPTH 6 FT. TRENCH WIDTH 3 FT. INLET DEPTH 4 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 4 x 70 FT. → 280

NUMBER OF TRENCHES 4 ONE SIDEWALL/BOTTOM AREA 840 SQ. FT.

DRYWALL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET — FT.

ABSORBENT AREA — SQ. FT.

REMARKS: 5/29/98 FINAL INSP - OK TO COVER ALL WORK. DKS

7.10.98 O.K. TO COVER WELL LINE (40) / ALM

DATE SYSTEM APPROVED 5/29/98

INSPECTOR DONALD J. [Signature]

APPLICATION

PERCOLATION TESTING

A 50225EE

P _____

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043

TELEPHONE: 313-2640

DISTRICT _____

DATE _____

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER

David Mannarelli Jeff & Tekky Lyons

ADDRESS

C/O Land Design + Development
12805 Hickory Ridge Rd

PHONE

740-2100

AGENT OR PROSPECTIVE BUYER

Mark Reich

ADDRESS

PHONE

PROPERTY LOCATION:

SUBDIVISION

Vineyards at Cattail Creek

LOT NO.

379

ROAD AND DESCRIPTION

Route 97 (3607 Willow Birch Drive)

OLD PERMIT SIGNED

AND RETURNED

1-27-98
Serial # 27109315

TAX MAP

21

PARCEL #

2,132,220 + 211

SIZE OF LOT

1 ± acres

TYPE BLDG.

SFD - 4 Brms

(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE

FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO

COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.

Myal A. Keil

(SIGNATURE OF APPLICANT)

APPROVED BY

FOR

DATE

DISAPPROVED BY

FOR

DATE

HOLD PENDING FURTHER TESTS

REASONS FOR REJECTION OR HOLDING

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. #

Vineyards at CC SP-96-11

DATE

2/28/96

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. #

DATE

THIS IS NOT A PERMIT

No # 32/ ASOZZSEE

COUNTY #
LOT #27
SOIL PROFILE
HOLE ①

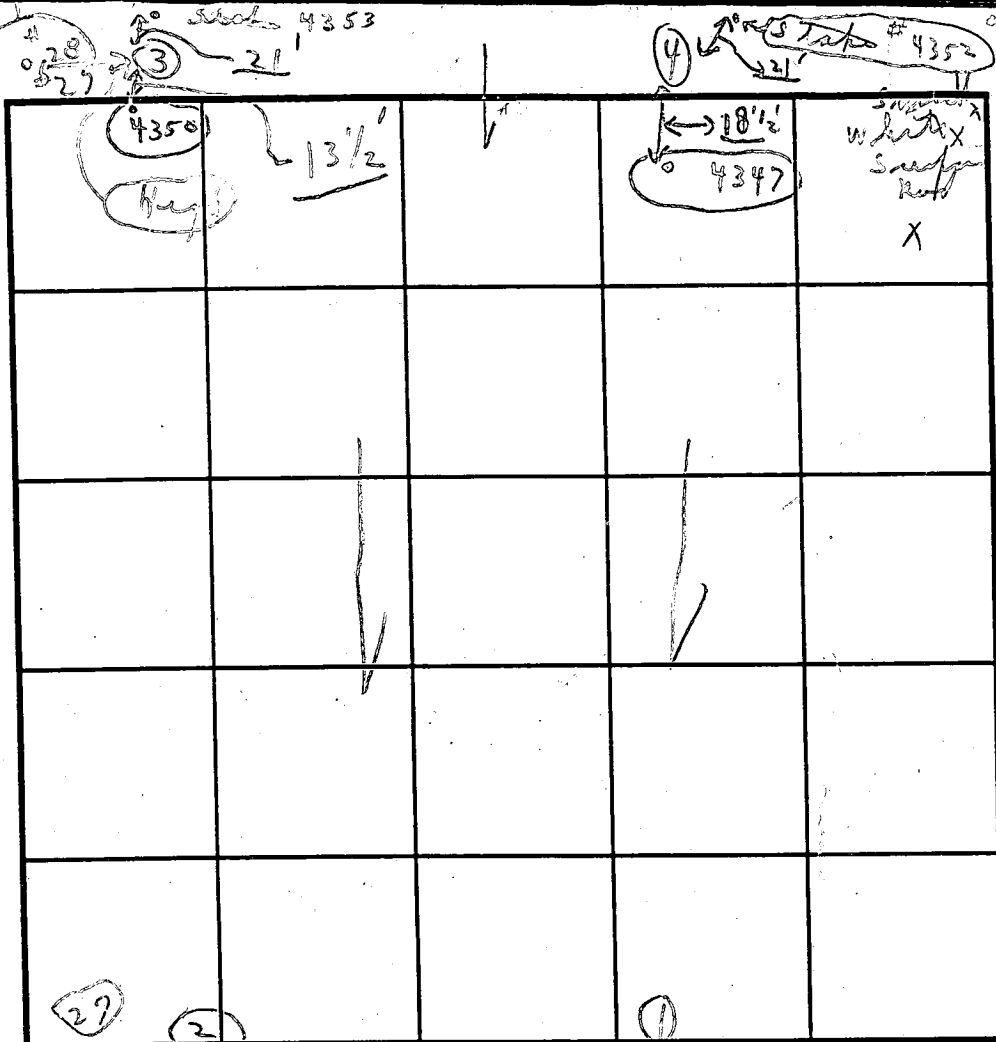
0' - 4' - 10"
clay
4' - 10"
LOAM
↓
10 1/2'

HOLE ②

0' - 4' - 4"
clay
4' - 4"
LOAM
↓
11'

HOLE ③

0' - 5' - 8"
clay
5' - 8"
↓
LOAM
↓
10 1/2'



SOIL PROFILE
HOLE ④
0' - 5' - 3"
clay
5' - 3"
↓
LOAM
↓
11'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8/29/94	①	4' - 10"	9:45	9:48	9:48	9:56	8 min
	stake #4348	10 1/2'	(see	#26)			
	②	4' - 4"	9:50	9:51	9:51	9:55	4 min
	stake #4349	5' - 8"	(see	#25)	10:13	10:20	7 min
	③ 4353	4' - 7"	10:00	10:00	10:00	10:00	0 min
	stake #4350	10 1/2'		No rock			
	(4)	5' 3"	10:06	10:08	10:08	10:12	4 min
	stake #4347	11'					

REMARKS 8/29 Tests in open pasture, tests per stake
TYPE OF SOIL LOAM
TESTED BY C. B. S. ALSO PRESENT (3 acres + Marsh Reeds)
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME TRENCH WIDTH
INLET DEPTH MAXIMUM BOTTOM DEPTH SQ. FT./BEDROOM
(Shallow system)

C1 82461 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND
WELL COMPLETION REPORT
FILL IN THIS FORM COMPLETELY
PLEASE PRINT OR TYPE

THIS REPORT MUST BE SUBMITTED WITHIN
45 DAYS AFTER WELL IS COMPLETED.

COUNTY
NUMBER A 50225 EE

ST/CD USE ONLY
DATE Received
MM DD
8 13

DATE WELL COMPLETED

MM DD YY
01 21 08
15 20

Depth of Well

22 150 26
(TO NEAREST FOOT)

PERMIT NO.
FROM "PERMIT TO DRILL WELL"

H0 - 94 - 1364
28 29 30 31 32 33 34 35 36 37

OWNER MANNA REE INC
STREET OR RFD WILLOW BIRCH DR TOWN GREENWOOD
SUBDIVISION VINEYARDS AT CATANER SECTION LOT 9

WELL LOG

Not required for driven wells

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box) ☒ Y ☐ N
TYPE OF GROUTING MATERIAL (Circle one)
CEMENT ☒ CM BENTONITE CLAY ☐ BC
NO. OF BAGS 9 NO. OF POUNDS 400
GALLONS OF WATER 54
DEPTH OF GROUT SEAL (to nearest foot)
from 0 ft. to 36 ft.
(enter 0 if from surface)

CASING RECORD

casing types insert appropriate code below
MAIN CASING TYPE PL Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 40
STEEL ☐ CONCRETE ☐
PLASTIC ☐ OTHER ☐

OTHER CASING (if used)

diameter inch depth (feet) from to

SCREEN RECORD

screen type or open hole (insert appropriate code below)
STEEL ☐ BRASS ☐ OPEN HOLE ☐
BRONZE ☐ PLASTIC ☐ OTHER ☐

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED ☒ Y ☐ N

CIRCLE APPROPRIATE LETTER
A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED
E ELECTRIC LOG OBTAINED
P TEST WELL CONVERTED TO PRODUCTION WELL

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS LIC. NO. MWD 399

DRILLERS SIGNATURE
(MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. MWD 076

SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)

T (E.R.O.S.) W Q
70 72 74 75 76
TELESCOPE CASING LOG INDICATOR OTHER DATA

C3

PUMPING TEST

HOURS PUMPED (nearest hour) 3
PUMPING RATE (gal. per min.) 11.5
METHOD USED TO MEASURE PUMPING RATE Shmertest
WATER LEVEL (distance from land surface)
BEFORE PUMPING 45 ft.
WHEN PUMPING 72 ft.
TYPE OF PUMP USED (for test)
A air ☐ P piston ☐ T turbine ☐
C centrifugal ☐ R rotary ☐ O other (describe below) ☐
J jet ☐ S submersible ☒

PUMP INSTALLED

DRILLER WILL INSTALL PUMP (CIRCLE) (YES or NO) YES ☐ NO ☒
IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.
TYPE OF PUMP INSTALLED
PLACE (A,C,J,P,R,S,T,O) IN BOX 29
CAPACITY: GALLONS PER MINUTE (to nearest gallon)
PUMP HORSE POWER
PUMP COLUMN LENGTH (nearest ft.)
CASING HEIGHT (circle appropriate box and enter casing height)
☒ + above
☐ - below (nearest foot)

LOCATION OF WELL ON LOT

SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND /OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)
Prop Line

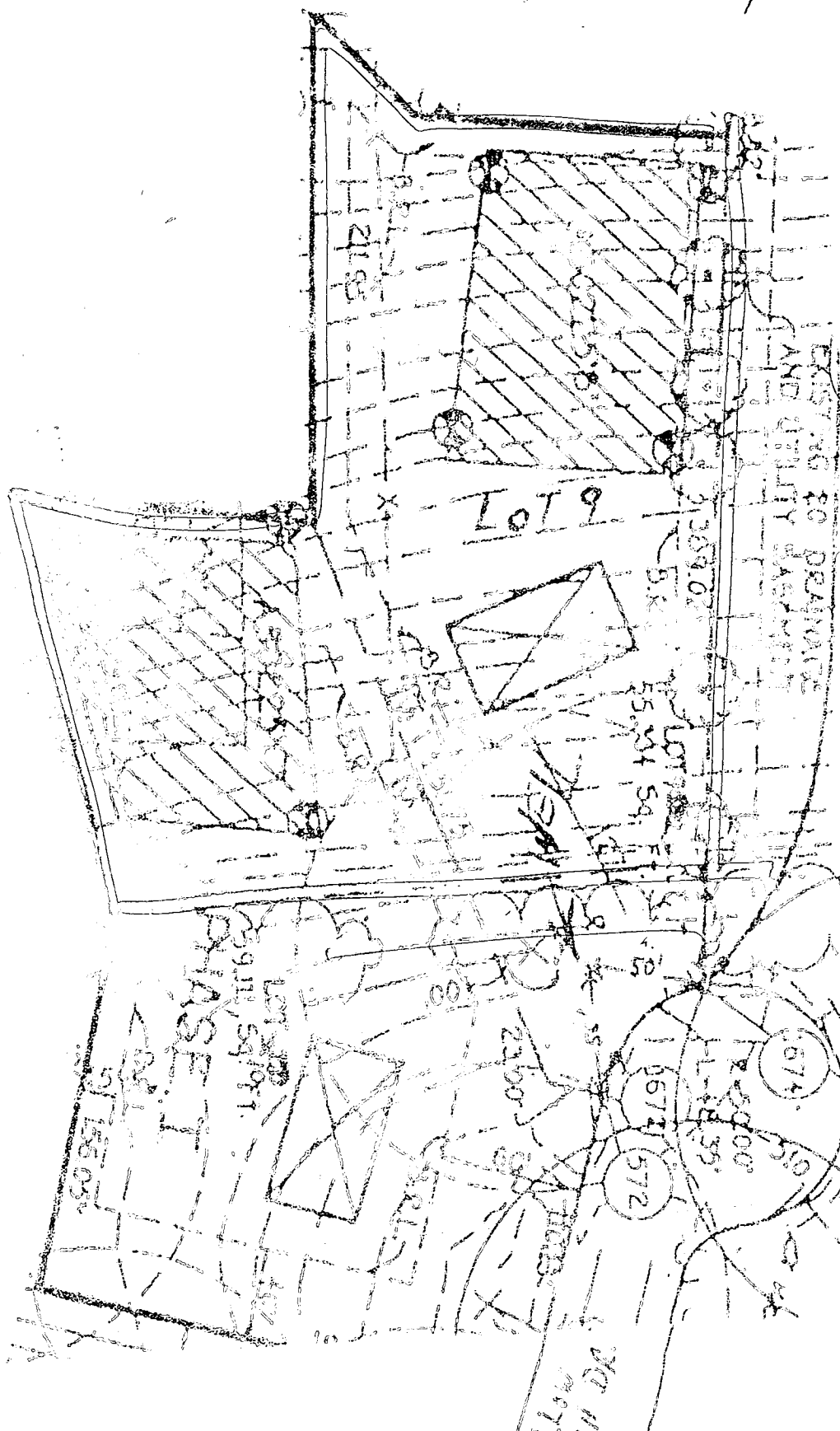
B 1 0519 <small>(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)</small>	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	STATE PERMIT NUMBER HO - 94 - 1364 <small>fill in this form completely</small>
Date Received (APA) 12/15/97 <small>8 MM DD YY 13</small> MARIO MAMARELLI + SONS <small>15 Last Name Owner First Name 34</small> 2929 Summit Circle <small>36 Street or RFD 55</small> Ellicott City MD 21043 <small>57 Town 70 State 72 Zip 76</small>		B 3 Howard LOCATION OF WELL <small>8 COUNTY 21</small> VINYARDS AT Cattail Creek <small>23 SUBDIVISION 42</small> SECTION 44 LOT 9 <small>44 46 48 50</small> Coleenwood <small>52 NEAREST TOWN 71</small> MILES FROM TOWN (enter 0 if in town) 2 M I <small>73 76 77 78</small>	
DRILLER INFORMATION Paul M. Fabiszak M W D 3 9 9 <small>Driller's Name 76 License No. 81</small> G. Edgar Harr Sons' Corp <small>Firm Name</small> 12047 Falls Rd Cockeysville 21030 <small>Address</small> Paul M. Fabiszak 12/10/97 <small>Signature Date</small>		B 4 Willow Birch Drive <small>11 NEAR WHAT ROAD 30</small> ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) <small>34 200 37 DISTANCE FROM ROAD ENTER FT OR MI 38 39</small> TAX MAP: _____ BLK: _____ PARCEL: _____	
B 2 WELL INFORMATION <small>1 2</small> APPROX. PUMPING RATE (GAL. PER MIN.) 5 <small>8 12</small> AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 750 <small>14 20</small>		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL Howard A 50225 EE <small>COUNTY NAME COUNTY NO.</small> STATE SIGNATURE _____ INSERT S → 41 DATE ISSUED 1 2 98 C. W. Harr 1/1/99 <small>43 MM DD YY 48 CO SIGNATURE EXP. DATE</small> NORTH GRID 52 3 0 0 0 EAST GRID 0 7 8 8 0 0 0 <small>50 55 57 63</small>	
D USE FOR WATER (CIRCLE APPROPRIATE BOX) HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) I INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT) P PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE APPROVAL) T TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)		SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. _____ 2. _____ 3. _____ WRITE THE BOX NUMBER FROM THE MAP HERE E 780⁸ N 520³ 000 000	
APPROXIMATE DEPTH OF WELL 200 FEET <small>24 28</small> APPROXIMATE DIAMETER OF WELL 6 INCH <small>NEAREST INCH</small>		DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION 	
METHOD OF DRILLING (circle one) BORED (or Augered) JETTED Jetted & DRIVEN AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary) CABLE REverse-ROTary DRIVE-POINT other _____		REPLACEMENT OR DEEPEENED WELLS (CIRCLE APPROPRIATE BOX) N THIS WELL WILL NOT REPLACE AN EXISTING WELL Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS D THIS WELL WILL DEEPEEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEENED (IF AVAILABLE) 41 52	
Not to be filled in by driller (MDE OR COUNTY USE ONLY)			
APPROP. PERMIT NUMBER 54 G A P 63 FORCE CD WRITE INITIALS IN BOX HO - 94 - 1364 PERMIT NO. 70 71 72 73 74 75 76 77 78 79 SPECIAL CONDITIONS <small>NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED -</small>			

Lot 9

VINEYARDS AT CATTAIL CREEK

Glenwood, MD 21738

Number of hauls	<i>P. setiferus</i> (%)	<i>P. setiferus</i> + <i>P. setiferus</i> + <i>P. setiferus</i> (%)
1	~10	~5
2	~30	~10
3	~50	~15
4	~70	~18
5	~85	~20
6	~90	~20
7	~95	~20
8	~98	~20
9	~99	~20
10	~100	~20



LOT 9
WELL SITE
OK AS
MARKED.
12/19/97
C. Will

C.F.E. 7/10/98
 @ 8:12 AM

HOWARD COUNTY HEALTH DEPARTMENT
 Bureau of Environmental Health
 3525-H Ellicott Mills Drive
 Ellicott City, MD 21043

Fax 313-2648 313-2640

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation ☒
 Replacement ☐

Receipt \$
 Date 7/10/98

Name of Installer ROBERT L. FEEZER CO.

Telephone 781-4655

License Number 2122

Certified Well Pump Installer ☒

Well Driller ☐

Registered Plumber ☒

Name of Property Owner MANNARELLI'S SONS

Telephone 785-1405

Subdivision VINEYARD @ CATAL Lot # 9

Well Tag # HO-94-1364

Site Address 3607 William Birch Dr.

Crawwood, MD 21738

Pump

1. Type

- a. Deep well jet ☐
 b. Shallow well jet ☒
 c. Submersible ☒

2. Make VORTER

3. Model # 10 PDS 221

4. Capacity 10 GPM

5. Pump exceeds well capacity Yes ☐ No ☒

6. If Yes, is low pressure cutoff switch installed? Yes ☐ No ☒

7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors ☐ Cable guards ☒ Other ☐

CAPTIVE AIR

Tank WX 251

1. Capacity ☐

2. Pressure relief

valve? YES

Motor

1. Horsepower 1/2
 2. RPM 3450
 3. Voltage ☐
 a. 110 ☐
 b. 220 ☒

Pitless Adapter

1. Make WALSH
 2. Model # 7-800
 3. Depth 42

Piping

1. Type Poly
 2. Size 1"
 3. NSF and/or BOCA
 Code approved YES
 4. Depth of supply
 line 42"

Well data

1. Depth 150 ft.
 2. Yield ☐ GPM
 3. Static water
 level ☐ ft.
 4. Will water supply
 be disinfected by
 installer? YES

I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

All information given above is true to the best of my knowledge.

Signature of Applicant [Signature]

Date: 7/10/98

Note: A sticker indicating approval/status of the installation will be placed on the well casing at the time of the inspection.

Signed final

E DATA

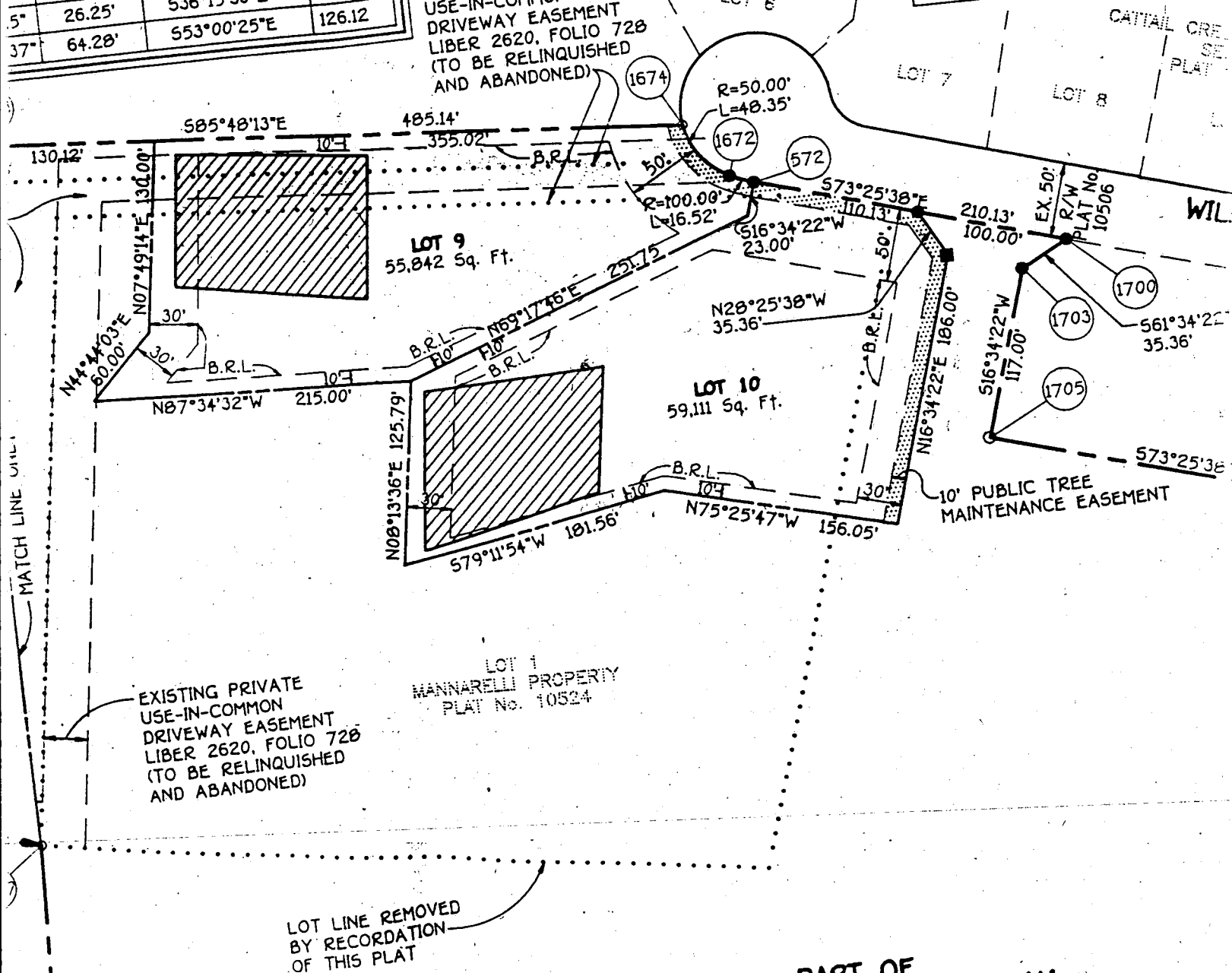
E DATA			
	TANGENT	CHORD BEARING	CHORD
9°	86.24'	N76°23'34"E	162.70'
13°	8.28'	S68°41'38"E	16.51'
5°	26.25'	S36°15'30"E	46.49'
37°	64.28'	S53°00'25"E	126.12'

LOT 3
SECTION 2
CAITAIL CREEK
COUNTRY CLUB
PLAT No. 10507

EXISTING PRIVATE
USE-IN-COMMON
DRIVEWAY EASEMENT
LIBER 2620, FOLIO 728
(TO BE RELINQUISHED
AND ABANDONED)

MINIMUM

LOT No.	GROSS AREA	PIPESTEN AREA
5	46,815 Sq.Ft.*	794 Sq.Ft.
6	53,112 Sq.Ft.*	1,634 Sq.Ft.
7	51,748 Sq.Ft.*	2,070 Sq.Ft.
8	50,781 Sq.Ft.*	2,932 Sq.Ft.



PART OF
BUILDABLE BULK PARCEL 'A'
THIS SHEET = 18.927 AC.

[illegible]

Building Address
3607 Willow Birch Dr.
Glenwood MD 21735

Suite/Apt. #:
SDP/WP/Petition #:

Census Tract
6040 Subdivision

Section
NA Area
NA Lot
9

Tax Map
21 Parcel
320 Grid
5

Zoning
RR-DED Map Coordinates
859 Lot size

Property Owner's Name
Jeff Lyons

Address
3607 Willow Birch Drive

City
Glenwood State
MD Zip Code
21735

Home Phone
410-489-3913 Work Phone

Applicant's Name & Mailing Address, (if other than stated hereon):

Phone Fax

Existing Use
SFD

Proposed Use
same w/ deck

Estimated Construction Cost
\$ 17,000.00

Description of Work
install irregular 63'x16' deck w/ steps to grade

Contractor Company
Fine Carpentry Co.

Contact Person
Brian Spadlin

Address
10840 Guilford Rd.

City
Annapolis State
MD Zip Code
20701

License No.
191692 Phone
410-774-5072 Fax

Occupant or Tenant
same as owner

Contact Name

Address
same as owner

City State Zip Code

Phone Fax

Engineer or Architect Company

Contact Person

Address

City State Zip Code

Phone Fax

BUILDING DESCRIPTION - COMMERCIAL

Building Characteristics

Height:

No. of stories:

Gross area, sq. ft. per floor:

Use group:

Construction type:

Reinforced Concrete

Structural Steel

Masonry

Wood Frame

State Certified Modular

Utilities

Water Supply:

Public

Private

Sewage Disposal:

Public

Private

Electric Yes No

Gas Yes No

Heating System:

Electric Oil

Natural Gas

Propane Gas

Sprinkler system: N/A

Full

Partial

Other Suppression

of Heads

BUILDING DESCRIPTION - RESIDENTIAL

Building Characteristics

SF Dwelling SF Townhouse

Depth Width

1st floor:

2nd floor:

Basement:

Finished Basement Unfinished Basement

Crawl space Slab on Grade

No. of Bedrooms

Multi-family dwellings:

No. of efficiency units:

No. of 1 BR units:

No. of 2 BR units:

No. of 3 BR units:

Other Structure:

Dimensions:

Footings: 2x4 pier

Roof:

State Certified Modular

Manufactured Home

Utilities

Water Supply:

Public

Private

Sewage Disposal:

Public

Private

Electric Yes No

Gas Yes No

Heating System:

Electric Oil

Natural Gas

Propane Gas

Sprinkler system: N/A

NFPA #13D

NFPA #13R

Other:

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERE TO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

Applicant's Signature

Title/Company

Print Name
Brian Spadlin

Date
6/19/00

Checks payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY

** PLEASE WRITE NEATLY AND LEGIBLY. **

- FOR OFFICE USE ONLY -

AGENCY

DATE

SIGNATURE APPROVAL

DPZ SETBACK INFORMATION

PROPERTY ID#

Land Development, DPZ

1/19/00

State Highways

Building Official

Dev. Engineering, DPZ

Health

Fire Protection

Is Sediment Control approval required prior to issuance?

YES NO

CONTINGENCY CONSTRUCTION START: ONE STOP SHOP:

Front: 50 FT

Rear: 20 FT (back only)

Side: 10 FT

Side St.: NA

All minimum setbacks met?

YES NO

Is Entrance Permit required?

YES NO

Historic District?

YES NO

Lot Coverage for NewTown Zone

SDP/Red-line approval date

Accepted by

33711

Filing fee \$

Permit fee \$ 70

Excise tax \$

Sub-total paid \$

Add'l permit fee \$

TOTAL FEES \$ 70

Balance due \$

Check # 2564

Validation #

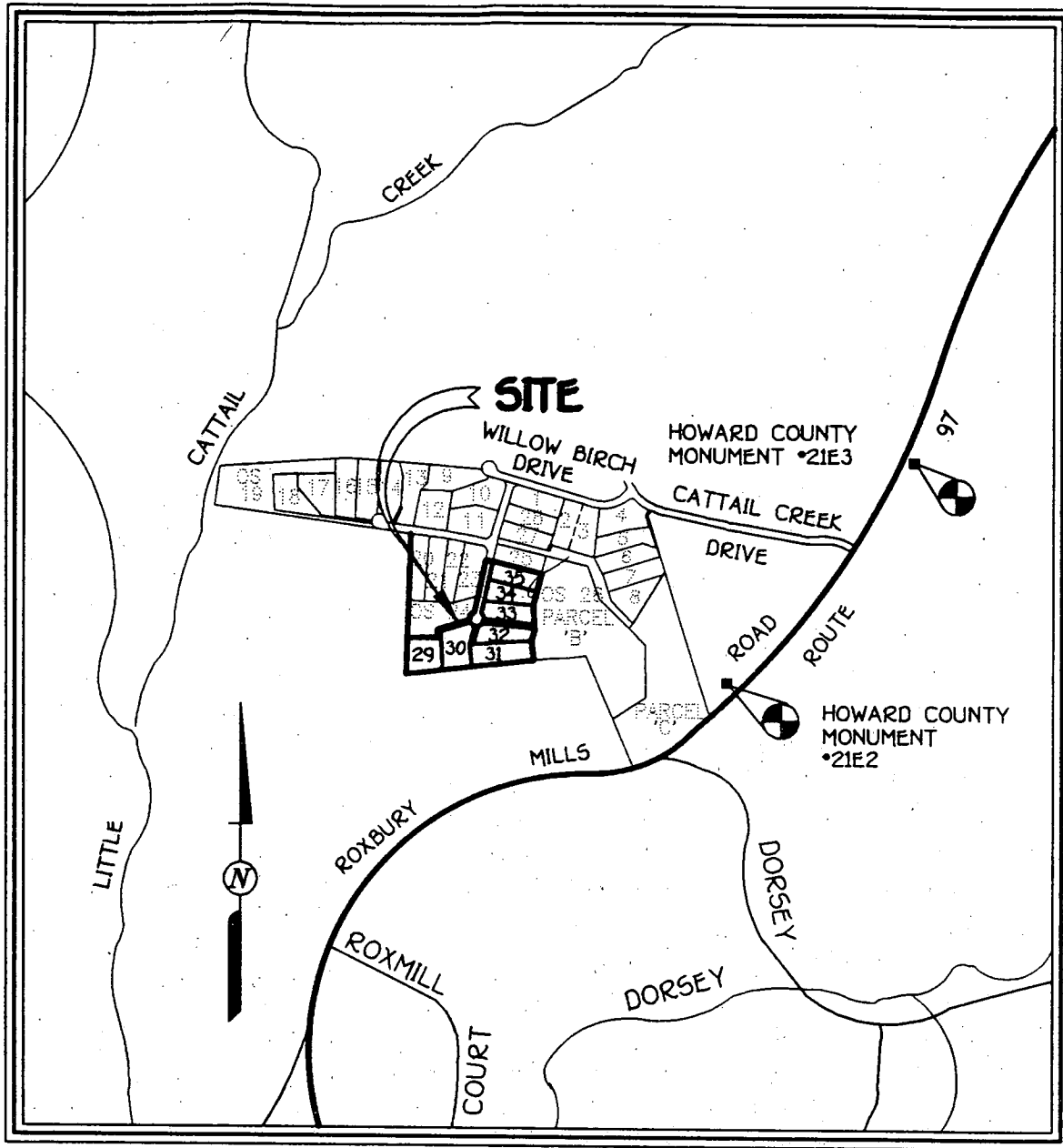
Distribution of Copies- White: Building Official Green: LDD, DPZ Yellow: DED, DPZ Pink: Health Gold: SHA

a:\permit.fm Rev. 10/15/98



GENERAL

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Moore



VICINITY MAP

SCALE: 1" = 1200'

SP. 96.11

CLUB

LOT 29
60,000 Sq. Ft.

LOT 28
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LOT 27
59,898 Sq. Ft.

LOT 26
59,111 Sq. Ft.

PHASE I

LEONORA DRIVE

EXISTING 20' DRAINAGE AND UTILITY EASEMENT

LOT 3
SECTION 3
CATTAIL CREEK
COUNTRY CLUB
PLAT No. 10508

LOT 6
EX. WELL

LOT 7

LOT 8

CATTAIL CREEK COUNTRY CLUB
SECTION 3
PLAT No. 10508
RC-DEO

EXISTING 20' DRAINAGE AND UTILITY EASEMENT

LOT 9
43,050 Sq. Ft.

LOT 10
40,134 Sq. Ft.

LOT 11
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LOT 12
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ENGINEER'S CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITION AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

SIGNATURE OF ENGINEER *Earl H. Collins* DATE 12.23.97

DEVELOPER'S CERTIFICATE

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

SIGNATURE OF DEVELOPER *MARIO MANNARELLI* DATE 12.23.97

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

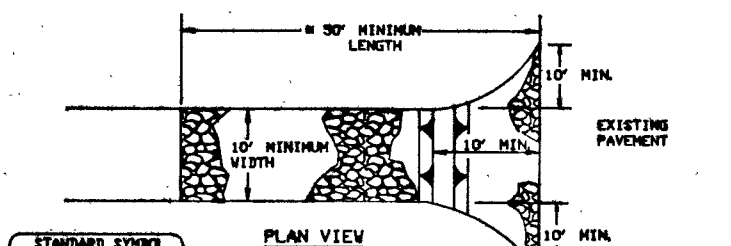
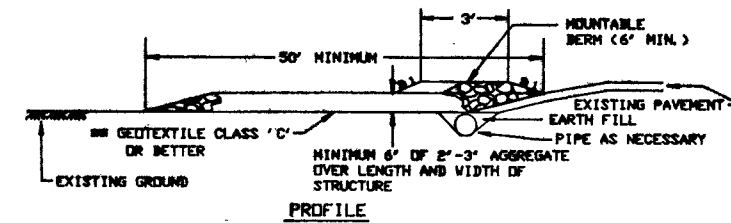
SIGNATURE OF REVIEWER *Carol Simmons* DATE 12/30/97

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

APPROVED: *John B. Robertson* DATE 12/30/97

SEDIMENT CONTROL NOTES

- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (01-10-95).
- ALL VEGETATION AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE MOST CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AND REVISIONS THERE TO.
- FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: a) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, Dikes, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3:1; b) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING (SEC. 50), SOIL (SEC. 54), TEMPORARY SEEDING (SEC. 50), AND MULCHING (SEC. 52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
- ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- SITE ANALYSIS:
TOTAL AREA OF SITE 1.25 ACRES
AREA DISTURBED 0.44 ACRES
AREA TO BE ROOFED OR PAVED 0.11 ACRES
AREA TO BE VEGETATIVELY STABILIZED 0.53 ACRES
TOTAL CUT 200 CU.YDS.
TOTAL FILL 200 CU.YDS.
OFFSITE WASTE/BORROW AREA LOCATION
a) ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
b) ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
c) ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUIRED PRIOR TO COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
- TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH SHALL BE BACK-FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.



- Length - minimum of 30' (450' for single residence lot).
- Width - 10' minimum, should be placed at the existing road to provide a turning radius.
- Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. Written plan approval authority may not require single family residences to use geotextile.
- Stone - crushed aggregate 1 1/2" to 3" or recycled or recycled concrete equivalent shall be placed at least 6" deep over the length and width of the entrance.
- Surface water - all surface water flowing to or diverted toward construction entrances shall be piped through the entrance, maintaining positive drainage. Pipe installed through the stabilized construction entrance shall be protected with a hountable berm with 3:1 slopes and a minimum of 6" of stone over the pipe. Pipe has to be sized according to the drainage. When the SCE is located at a high spot and has no drainage to convey a pipe will not be necessary. Pipe should be sized according to the amount of runoff to be conveyed. A 6" minimum shall be required.
- Location - A stabilized construction entrance shall be located at every point where construction traffic enters or leaves a construction site. Vehicles leaving the site must travel over the entire length of the stabilized construction entrance.

STABILIZED CONSTRUCTION ENTRANCE - 2

NOT TO SCALE

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS

CENTRAL SQUARE OFFICE PARK - 10772 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21042
(410) 461-2955

F:\CC\3032\LOTPLAN\LOT9.DWG

SEQUENCE OF CONSTRUCTION

- OBTAIN GRADING PERMIT.
- INSTALL SEDIMENT CONTROLS AS SHOWN ON PLAN.
- PERFORM NECESSARY GRADING AND STABILIZE THE SITE.
- AFTER THE SITE IS STABILIZED AND PERMISSION IS GRANTED FROM THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROLS AND STABILIZE ANY REMAINING DISTURBED AREAS.

TEMPORARY SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.

SEEDING PREPARATION
LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.
IF NOT PREVIOUSLY LOOSENED.

SOIL AMENDMENTS
APPLY 600 LBS. PER ACRE 10-10-10 FERTILIZER (4 LBS./1000 SQ. FT.)

SEEDING
FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH NOVEMBER 15, SEED WITH 1 1/2 BUSHEL PER ANNUAL RYE (3.2 LBS./1000 SQ.FT.) FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS./ACRE OF WEEPING LOVEGRASS (0.7 LBS./1000SQ.FT.) FOR THE PERIOD NOVEMBER 15 THRU FEBRUARY 28. PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOO.

MULCHING
APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 210 GALLONS PER ACRE (5 GAL./1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT ACRES, ON SLOPES 8 FEET OR HIGHER, USE 340 GALLONS PER ACRE (5 GAL./1000 SQ.FT.) FOR ANCHORING.

REFER TO THE 1994 MARYLAND STANDARDS AND SPECIFICATION FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

PERMANENT SEEDING NOTES

ALL DISTURBED AREAS SHALL BE STABILIZED AS FOLLOWS:

SEEDING PREPARATION
LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

SOIL AMENDMENTS
APPLY TWO TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS./1000 SQ.FT.) AND 600 LBS. PER ACRE 0-20-20 FERTILIZER (14 LBS./1000 SQ.FT.) BEFORE SEEDING HARROW OR DISC INTO UPPER THREE INCHES OF SOIL AT TIME OF SEEDING.

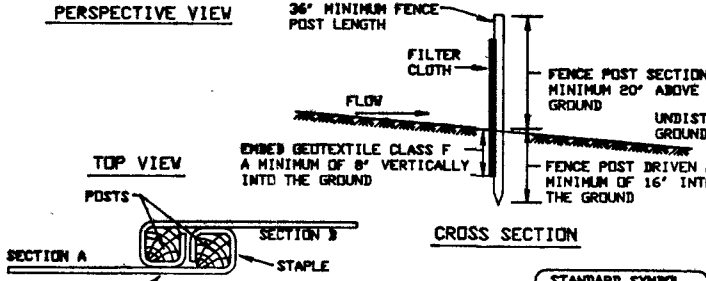
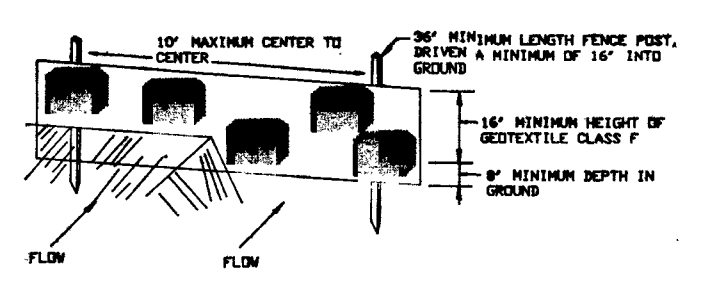
APPLY 400 LBS. PER ACRE 30-0-0 UREAFORM FERTILIZER (9 LBS./1000 SQ.FT.) AND 500 LBS. PER ACRE 015 LBS./1000 SQ.FT.) OF 10-20-20 FERTILIZER.

SEEDING
FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH OCTOBER 31, SEED WITH 100 LBS. PER ACRE (2.3 LBS./1000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THROUGH JULY 31, SEED WITH 60 LBS./ACRE (1.4 LBS./1000 SQ.FT.) KENTUCKY 31 TALL FESCUE AND 2 LBS. PER ACRE (0.05 LBS./1000 SQ.FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 15 THROUGH FEBRUARY 28, PROJECT SITE BY: OPTION (1) - TWO TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING; OPTION (2) - USE SOO; OPTION (3) - SEED WITH 100 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH TWO TONS/ACRE WELL ANCHORED STRAW. ALL SLOPES SHOULD BE HYDROSEED.

MULCHING
APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 210 GALLONS PER ACRE (5 GAL./1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT ACRES, ON SLOPES 8 FEET OR HIGHER USE 340 GALLONS PER ACRE (5 GAL./1000 SQ.FT.) FOR ANCHORING.

MAINTENANCE
INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

FOR PUBLIC PONDS SUBSTITUTE CHEMUNG CROWN VETCH AT 15 LBS./ACRE AND KENTUCKY 31 TALL FESCUE AT 40 LBS./ACRE AS THE SEEDING REQUIREMENT. OPTIMUM SEEDING DATE FOR THIS MIXTURE IS MARCH 1 TO APRIL 30.



JOINING TWO ADJACENT SILT FENCE SECTIONS

- Fence posts shall be a minimum of 36" long driven 16" minimum into the ground. Wood posts shall be 1 1/2" x 1 1/2" square (minimum cut, or 1 3/4" diameter (minimum) round and shall be of sound quality hardwood. Steel posts will be standard T or U section weighting not less than 1.00 pound per linear foot.
- Geotextile shall be fastened securely to each fence post with wire ties or staples at top and mid-section and shall meet the following requirements for Geotextile Class F:
Tensile Strength 30 lbs/in (min.) Test MSMT 309
Tensile Modulus 20 lbs/in (min.) Test MSMT 309
Flow Rate 0.3 gal ft²/minute (max.) Test MSMT 332
Filtering Efficiency 75% (min.) Test MSMT 332
- Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass.
- Silt Fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reached 50% of the fabric height.

SILT FENCE

NOT TO SCALE

LOT 2
MANNARELLI PROPERTY
PLAT No. 10524

LOT 1
MANNARELLI PROPERTY
PLAT No. 10524

LOT 3
SECTION 2
CATTAIL CREEK
COUNTRY CLUB
PLAT No. 10507

Approved Septic System Plan
Howard County Health Department

John A. K. 800 1/27/98

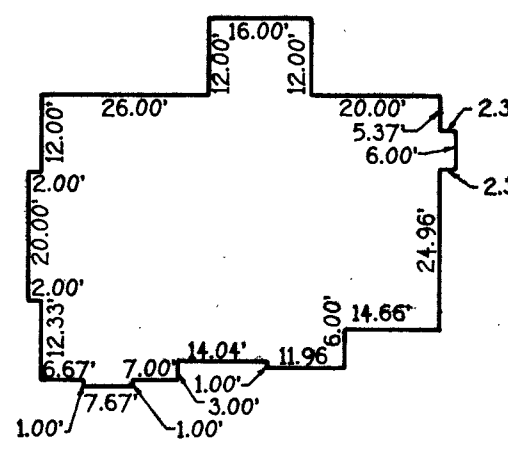
Total linear feet of trench required 280 feet

Width of trench(es) 3 feet

Depth of trench(es) 6 feet

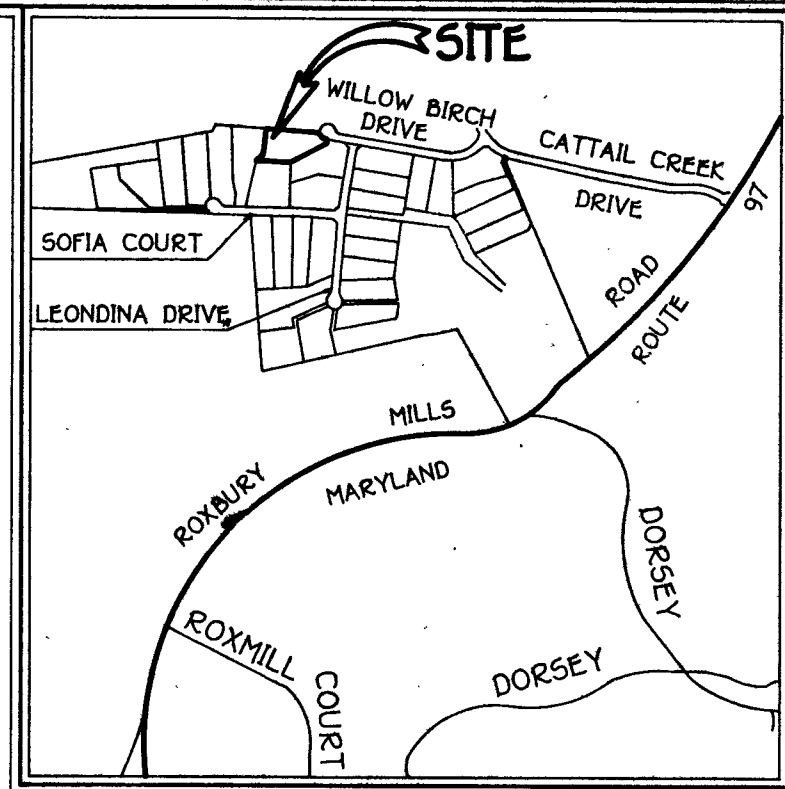
Depth of stone required below 2 feet

PLAT No. 11050



PLAN

SCALE: 1" = 30'



VICINITY MAP

SCALE: 1"=2000'

GENERAL NOTES

- SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT
- PROPOSED 1500 GALLON SEPTIC TANK.
- A. FIRST FLOOR ELEVATION: 5000.00
B. BASEMENT ELEVATION: 4900.00
C. INVERT OF SEPTIC SYSTEM AT HOUSE: 492.66
D. INVERT IN AT SEPTIC TANK: 482.1
E. INVERT OUT AT SEPTIC TANK: 481.5
F. PROPOSED GRADE OVER SEPTIC TANK: 482.0
G. INVERT AT DISTRIBUTION BOX: 482.0
H. EXISTING GROUND OVER DISTRIBUTION BOX: 484.0
I. LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT
- CONTRACTOR / BUILDER TO VERIFY ELEVATIONS IN FIELD BEFORE BEGINNING ANY CONSTRUCTION.

TOPSOIL SPECIFICATIONS FOR SITES UNDER 5 ACRES:
PLACE TOPSOIL OF REQUIRED AND APPLY SOIL AMENDMENTS AS SPECIFIED IN 200 VEGETATIVE STABILIZATION - SECTION 1 VEGETATIVE STABILIZATION METHODS AND MATERIALS 1994 MARYLAND STDs & SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.

GP-98-88
PLAN TO ACCOMPANY APPLICATION
FOR BUILDING PERMIT
VINEYARDS OF CATTAIL CREEK
LOT 9

TAX MAP 21
FOURTH ELECTION DISTRICT
SCALE: 1" = 50'

PARCEL 220
HOWARD COUNTY MARYLAND
DATE: DECEMBER 16, 1997