

04-363564

LAYOUT 5/23/02 11AM INSP 4 _____
INSP 2 5/24/02 10AM INSP 5 _____
INSP 3 _____ INSP 6 _____

ISSUE DATE: 5/21/2002 P 516987

APPROVAL DATE: 5/24/02 A 599150

PERMIT
INDEXED

ON-SITE SEWAGE DISPOSAL SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH

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

ADDRESS: 580 Obrecht Rd., Sykesville PHONE NUMBER: 410-795-⁵⁶⁷⁰3432

SUBDIVISION: Montecello LOT NUMBER: 13

ADDRESS: 1754 Oakdale Drive PROPERTY OWNER: D.R. Horton, Inc.

SEPTIC TANK CAPACITY (GALLONS): 1250 OUTLET BAFFLE FILTER REQUIRED

PUMP CHAMBER CAPACITY (GALLONS): N/A COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 4

SQUARE FEET PER BEDROOM: 180

LINEAR FEET OF TRENCH REQUIRED: 240

TRENCHES:	Trench to be 3.0 feet wide. Inlet 4.0 feet below original grade. Bottom maximum depth 6.0 feet below original grade. Effective area begins at 4.0 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	Run trenches on contour. From Oakdale Drive, place the distribution box 139' from the front lot line and 70' from the right lot line.
NOTES:	Basement service by gravity is proposed.

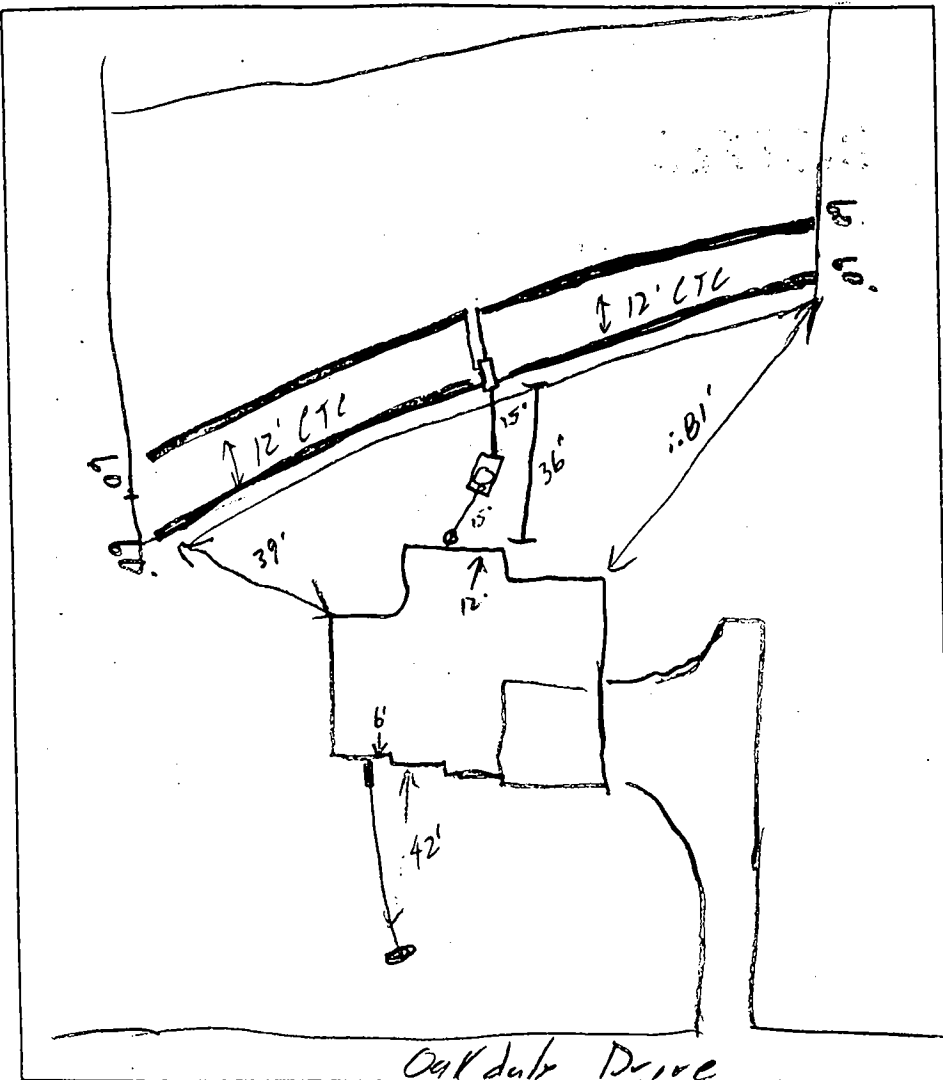
PLANS APPROVED: SRK OK SRK 2/5/02 DATE: 1/28/02

- NOTE: PERMIT VOID AFTER 2 YEARS
- NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT ALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

A59915-0

NOT TO SCALE



TRENCH DATA	
TRENCH WIDTH	3'
TRENCH INLET DEPTH	4'
TRENCH BOTTOM DEPTH	6'
DEPTH OF STONE	2'
NUMBER OF TRENCHES	4
TOTAL TRENCH LENGTH	240'
ABSORBENT AREA	720 sq
DISTRIBUTION BOX LEVEL	<input checked="" type="checkbox"/>
BAFFLE IN DISTRIBUTION BOX	<input checked="" type="checkbox"/>

SEPTIC TANK DATA	
SEPTIC TANK	1250 IS GALLONS
MANHOLE RISER	Center
6 INCH INSPECTION PORT	Front
PUMP CHAMBER DATA	
PUMP CHAMBER GALLONS	
MANHOLE RISER	N/A
ALARM	
PUMP PERFORMANCE TEST	

PRE-CONSTRUCTION INSPECTION: 5/23/02 Layout per BP w/(4) 60's (SC)

INSPECTION COMMENTS: 5/23/02 2 trenches installed, OK to cover (SC)
5/24/02 OK to cover all work (SC)

INSPECTOR John [Signature] DATE SYSTEM APPROVED 5/24/02

C1 9871

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED AFTER WELL IS COMPLETED.

COUNTY NUMBER

DATE RECEIVED MM DD YY

DATE WELL COMPLETED

DEPTH OF WELL

PERMIT NO. FROM "PERMIT TO DRILL WELL"

OWNER HIGHLAND Development STREET OR RFD SWAN A TOWN GLENWOOD SUBDIVISION KNAPP PROPERTY SECTION LOT 13

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), CHECK IF WATER BEARING. Includes entries for Sand and Gray Granite.

GROUTING RECORD form including fields for material type (CM, BC), number of bags, gallons of water, and depth of grout seal.

CASING RECORD form including fields for casing type (ST, PL, CO, OT), nominal diameter, and total depth.

OTHER CASING (if used) form with fields for diameter and depth.

SCREEN RECORD form including fields for screen type (ST, BR, HO, PL, OT) and depth.

PUMPING TEST form including fields for hours pumped, pumping rate, method used, water level, and pump type.

PUMP INSTALLED form including fields for pump type, capacity, and pump specifications.

WELL HYDROFRACTURED and CIRCULAR APPROPRIATE LETTER selection form.

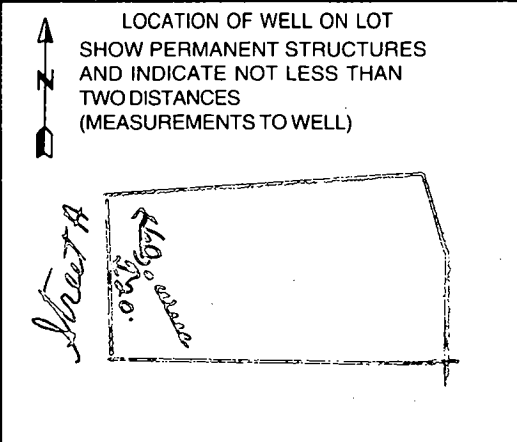
DEPTH (nearest ft.) table with columns for casing and screen depths.

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...

DRILLERS LIC. NO. MSD024 and DRILLERS SIGNATURE section.

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

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) form with fields for telescope casing and log indicator.



B 1 7475

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND
PERMIT TO DRILL WELL
please print or type

STATE PERMIT NUMBER

HO-94-2180

fill in this form completely

Date Received (APA)

OWNER INFORMATION

8 MM DD YY 13

Highland Development
15 Last Name Owner First Name 34

P.O. Box 228
36 Street or RFD 55

Clarksville Md. 21029
57 Town 70 State 72 Zip 76

B 3 Howard LOCATION OF WELL

8 COUNTY Howard 21

Knapp Property
23 SUBDIVISION 42

SECTION 44 46 LOT 13 48 50

Cabewood
52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) 3 73 M 76 77 78

DRILLER INFORMATION

Joseph L. Mayne MS D 024
76 Driller's Name License No. 81

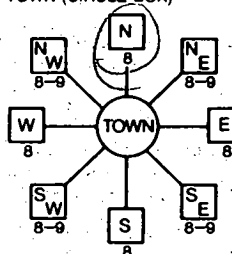
Joseph L. Mayne Well Drilling
Firm Name

5512 Ridge Rd. Mt. Airy 21771
Address

Joseph L. Mayne 3/8/99
Signature Date

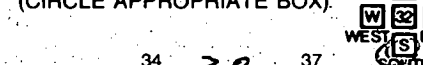
B 4

1 2
DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Street A
11 NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



34 20 37
DISTANCE FROM ROAD ENTER FT OR MI 38 39

TAX MAP: _____ BLK: _____ PARCEL _____

B 2 WELL INFORMATION

1 2 APPROX. PUMPING RATE (GAL. PER MIN.) 5 8 12

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500 14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- D DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION
- F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
- I INDUSTRIAL, COMMERCIAL, DEWATERING
- P PUBLIC WATER SUPPLY WELL
- T TEST, OBSERVATION, MONITORING
- G GEO-THERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

HOWARD 13
COUNTY NAME COUNTY NO.

STATE SIGNATURE _____ INSERT S → 41

DATE ISSUED 03/10/99 Chapman 03/09/00
43 MM DD YY 48 CO SIGNATURE EXP. DATE

NORTH GRID 544 000 EAST GRID 0798 000
50 55 57 63

APPROXIMATE DEPTH OF WELL 300 FEET
24 28

APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST

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 DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

THIS WELL WILL NOT REPLACE AN EXISTING WELL

THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED

THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS

THIS WELL WILL DEEPEN AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52

Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROP. PERMIT NUMBER _____ GAP _____ 54 63

PERMIT No. HO-94-2180
70 71 72 73 74 75 76 77 78 79

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

1. Well

2. _____

3. _____

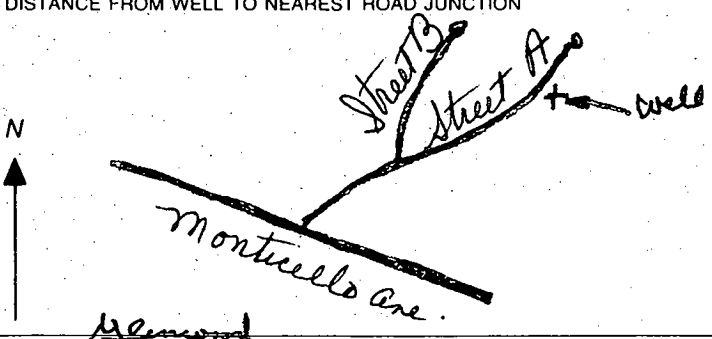
WRITE THE BOX NUMBER FROM THE MAP HERE

Ei 798

N 544

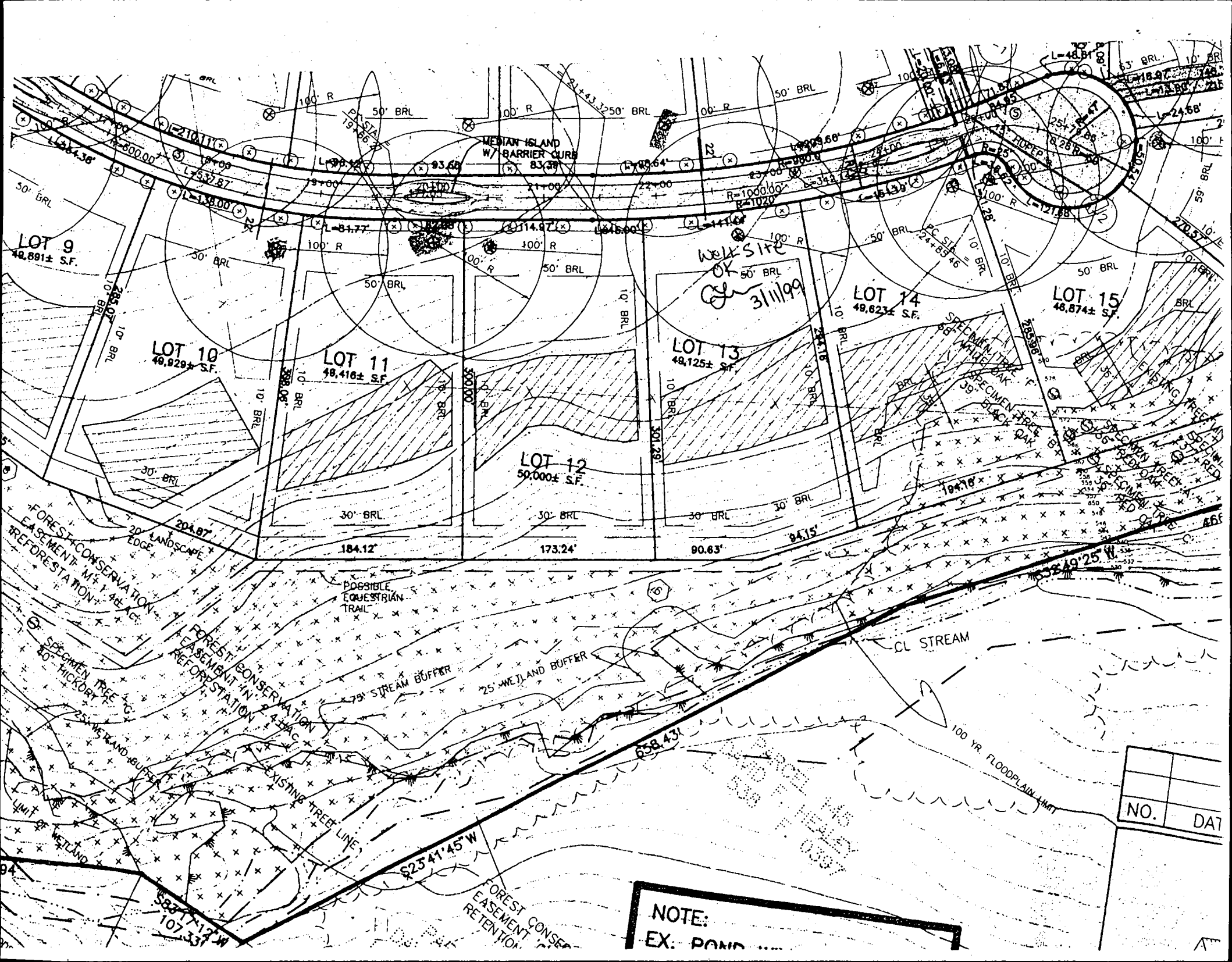
6/1/99
Grout 9.30
NO INSP

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION



SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED



NO.	DATE

NOTE:
EX: POND

4/21/98 - 4/28
5/19/98 - 5/22

APPLICATION

PERCOLATION TESTING

A 59914
P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

56 LOTS
EXISTING HOUSE(S) - WELLS - 5607163
TO B+ PLUMBERING
4 DAYS FOR PENNINGTON
WET SEASON TESTING
4 DAY FOR
FOLLOW-UP TESTING
WILL PROMPTLY SUBMIT
FEES &
IMPROVED PLAN/
APPLICATION (CW)

DISTRICT _____
DATE 4/3/98

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

4/21 - 4/24
9
5/19 - 5/22

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

PROPERTY OWNER Alfred Knapp

ADDRESS Monticello Ave. / Sykesville PHONE 410-465-4242

AGENT OR PROSPECTIVE BUYER Clark Sperry / SOC Group

ADDRESS 8480 Ballenger Not. Pike PHONE 410-465-4244

PROPERTY LOCATION:

SUBDIVISION Knapp Prop. LOT NO. _____

ROAD AND DESCRIPTION M

TAX MAP _____ PARCEL # _____

SIZE OF LOT _____ TYPE BLDG. _____
(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.

[Signature] SECURITY DIV.
(SIGNATURE OF APPLICANT)
STEW SHIPLE - TSA

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. # _____ DATE _____

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

THIS IS NOT A PERMIT

A 59914/5
COUNTY #

LOT 15

KNAPP SUBD,

SOIL PROFILE

55

0'

CLAY

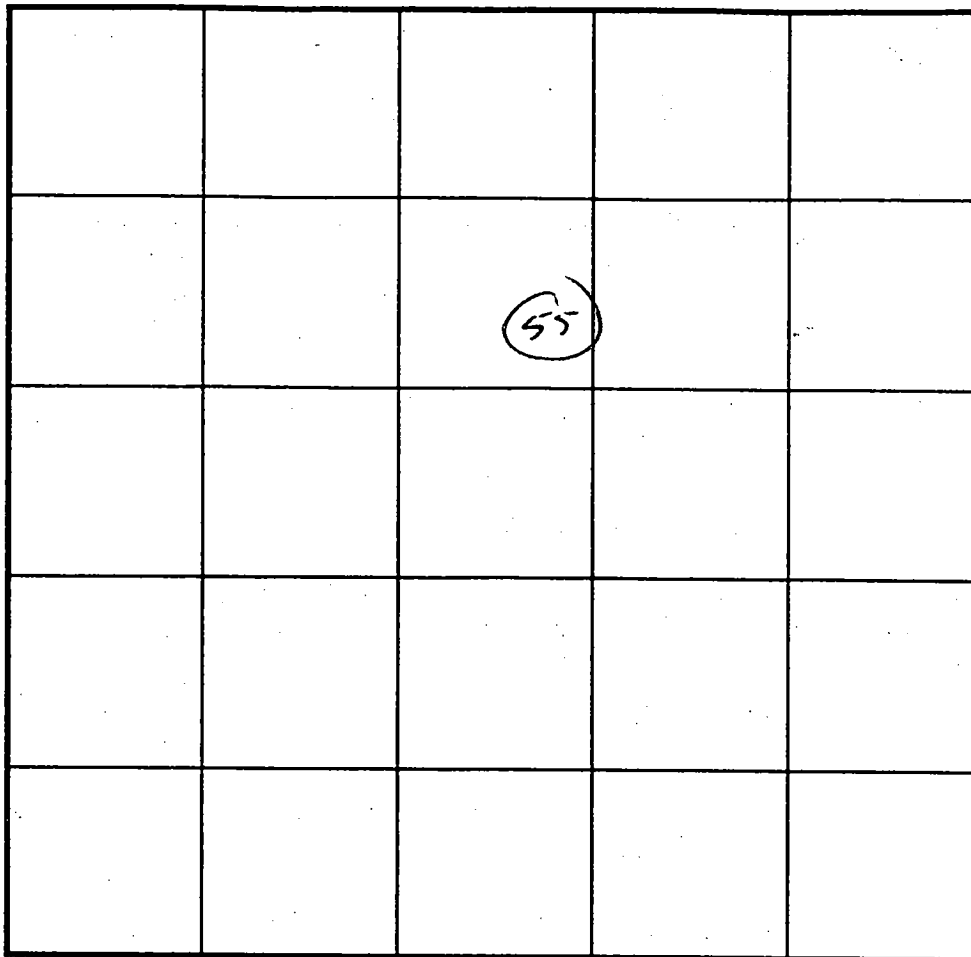
3 1/2'

POWDERY
MICA
LOAMY

12'

SOIL PROFILE

0'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/21/98	55	4'	2:36	2:38	2:38	2:42	4min

REMARKS _____

TYPE OF SOIL _____

TESTED BY CWilla ALSO PRESENT SPERRY

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

4/21/98 - 4/28
&
5/19/98 - 5/22

APPLICATION

PERCOLATION TESTING

A 59915
P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

56 LOTS EXISTING HOUSES - WELLS - 5607165
TO BE PERMITTED
4 DAYS FOR PERMATION
WET SEASON TESTING
4 DAY FOR FOLLOW-UP TESTING
DATE 4/3/98
DISTRICT _____
will prepare submit fees & improve plan/ application (CW)

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

4/21 - 4/24
&
5/19 - 5/22

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

PROPERTY OWNER ALFRED KNAPP

ADDRESS MONTICELLO AVE / SYKESVILLE PHONE 410-465-4242

AGENT OR PROSPECTIVE BUYER CLARK SPERRY / SDC GROUP

ADDRESS 3480 Ballenger Not. PIKE PHONE 410-465-4244

PROPERTY LOCATION:

SUBDIVISION Knapp Prop. LOT NO. _____

ROAD AND DESCRIPTION M

TAX MAP _____ PARCEL # _____

SIZE OF LOT _____ TYPE BLDG. _____
(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.

[Signature] SECURITY DIV.
(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. # _____ DATE _____

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

THIS IS NOT A PERMIT

A59914/5
COUNTY #

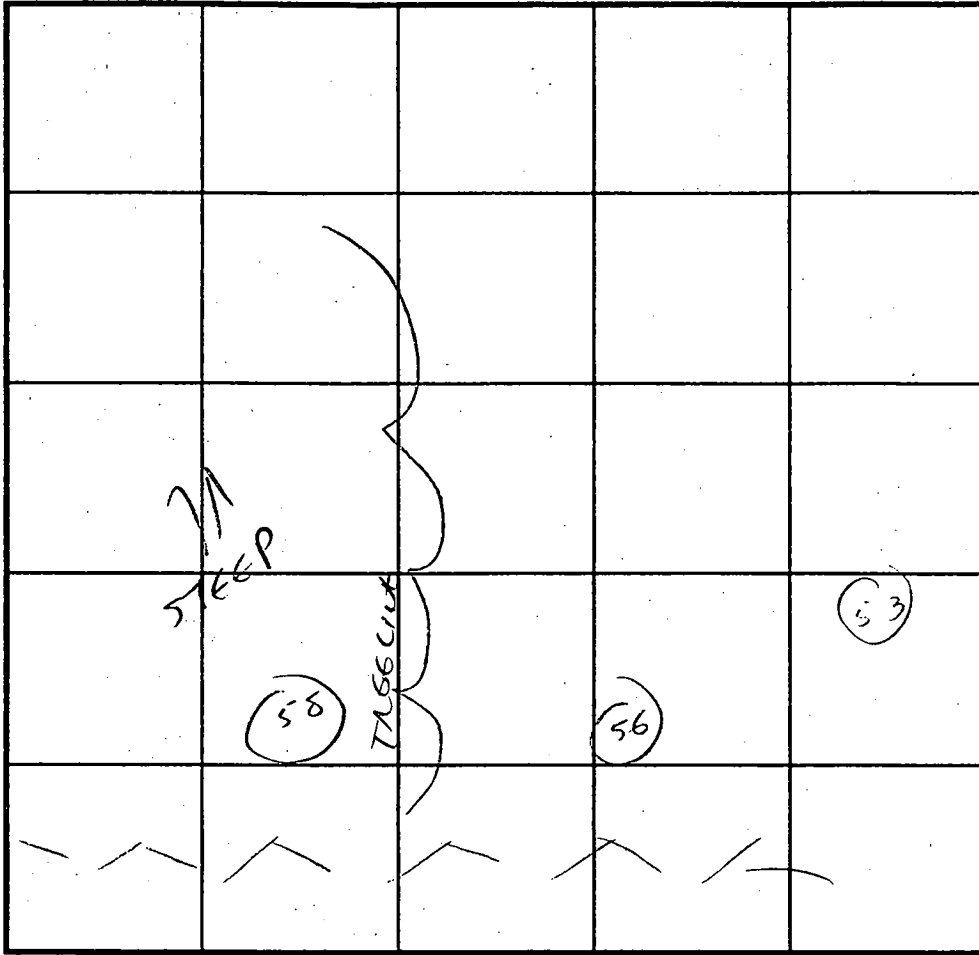
KNAPP SUBD.

SOIL PROFILE

SOIL PROFILE

0'
CLAY
4 1/2'
SILT
LOAM
5%
SAPPROXITE
10 1/2'

58
CLAY
3'
SILT
LOAM
5%
SAPPROXITE
10 1/2'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/24/98	56	5'	2:17	2:19	2:19	2:22	3MN
	58	4'	2:19	2:22	2:22	2:26	4MN

REMARKS _____
 TYPE OF SOIL _____
 TESTED BY Cwellen ALSO PRESENT SPEARY
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____
 INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

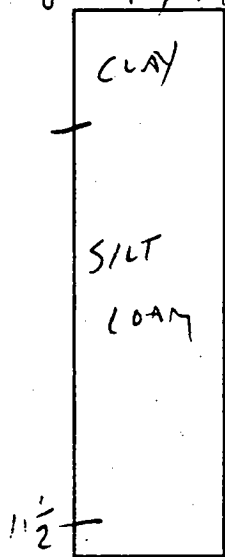
A59914/5

KNAPP SUBD.

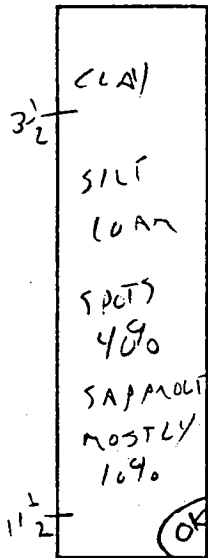
COUNTY #

SOIL PROFILE

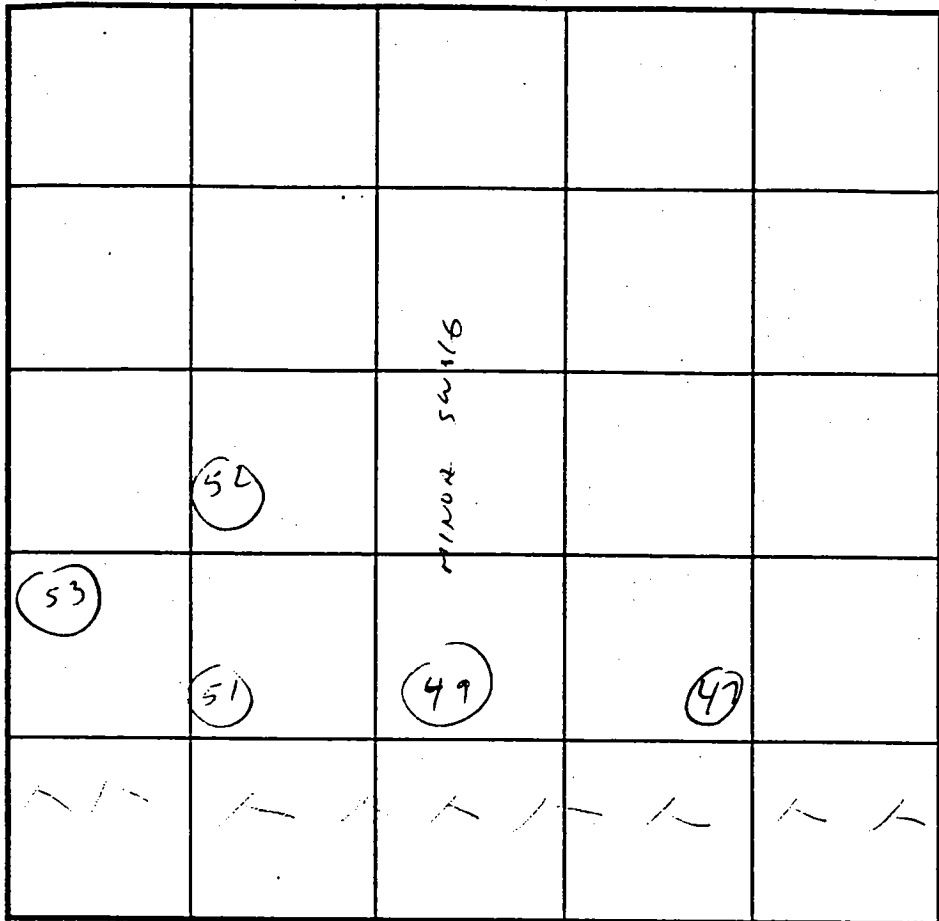
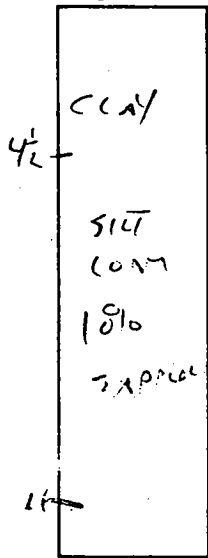
47 + 49



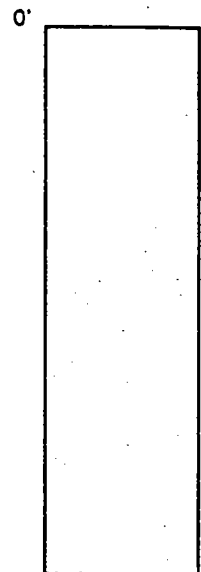
51 + 53



52



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7/24/78	47	4 1/2	2:04	2:06	2:06	2:08	2 MIN
	49	4 1/2 (AT 16" OF MINIMUM SWELL)	2:05	2:07	2:07	2:10	3 MIN
	51	4 1/2	2:07	2:11	2:11	2:15	4 MIN
	52	4 1/2	2:08	2:12	2:12	2:17	5 MIN
	53	4 1/2	2:13	2:15	2:15	2:19	4 MIN

REMARKS _____
 TYPE OF SOIL _____
 TESTED BY Cwell ALSO PRESENT SPERRY
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____
 INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

A59914/5

KNAPP SUBD.

COUNTY #

SOIL PROFILE

46+48 +50

SOIL PROFILE

0'

3 1/2'

CLAY

MICA

SILT

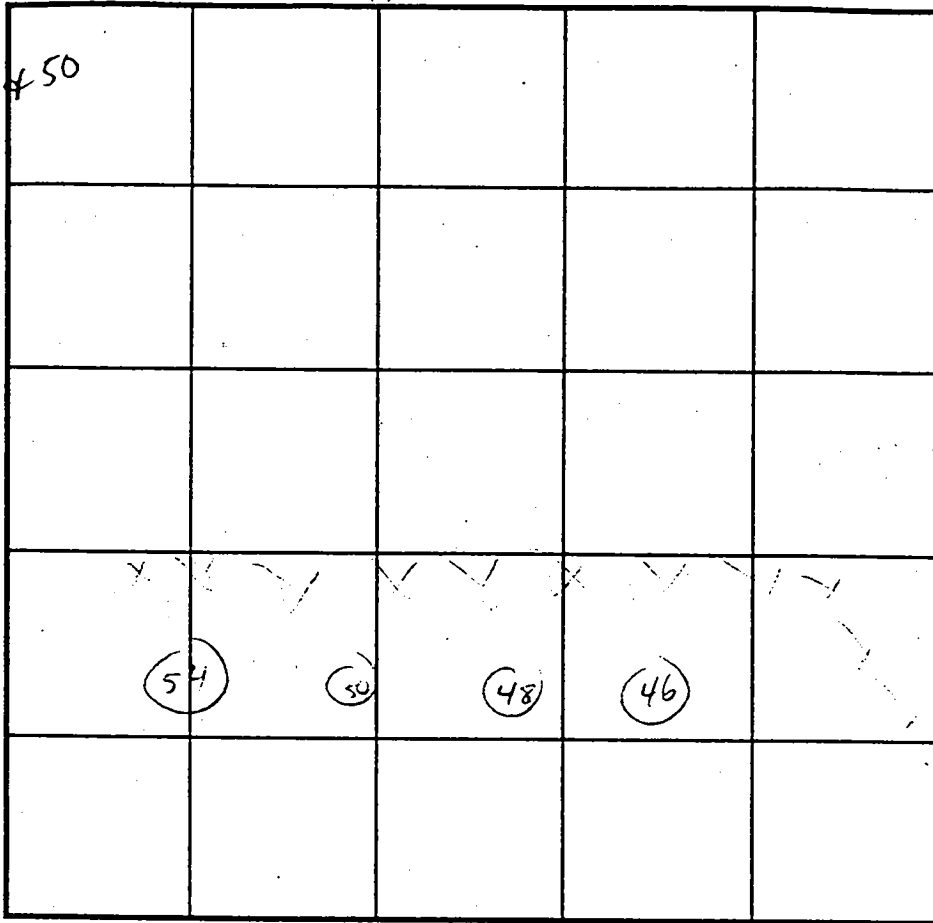
LOAM

3/0

SAPPROLITE

10 1/2'

0'



54

54

50

48

46

4'

CLAY

MICA

SILT

LOAM

TO 20% SAPPROLITE

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/24/98	46	4	2:27	2:30	2:30	2:34	4MIN
	48	4	2:28	2:30	2:30	2:32	2MIN
	50	7	2:31	2:34	2:34	2:37	3MIN
	54	4 1/2	2:32	2:35	2:35	2:42	7MIN

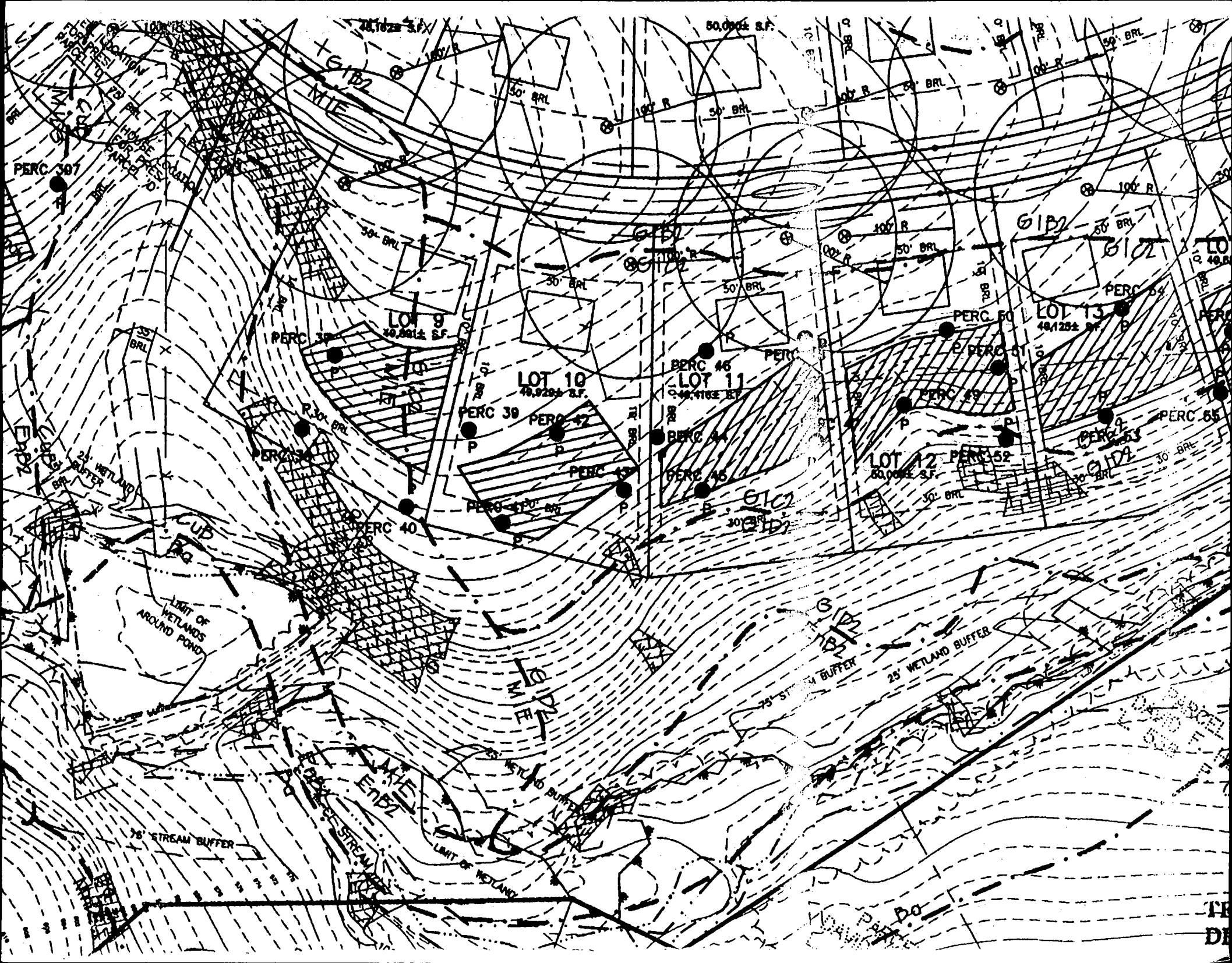
REMARKS _____

TYPE OF SOIL _____

TESTED BY C. Williams ALSO PRESENT SPERRY

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

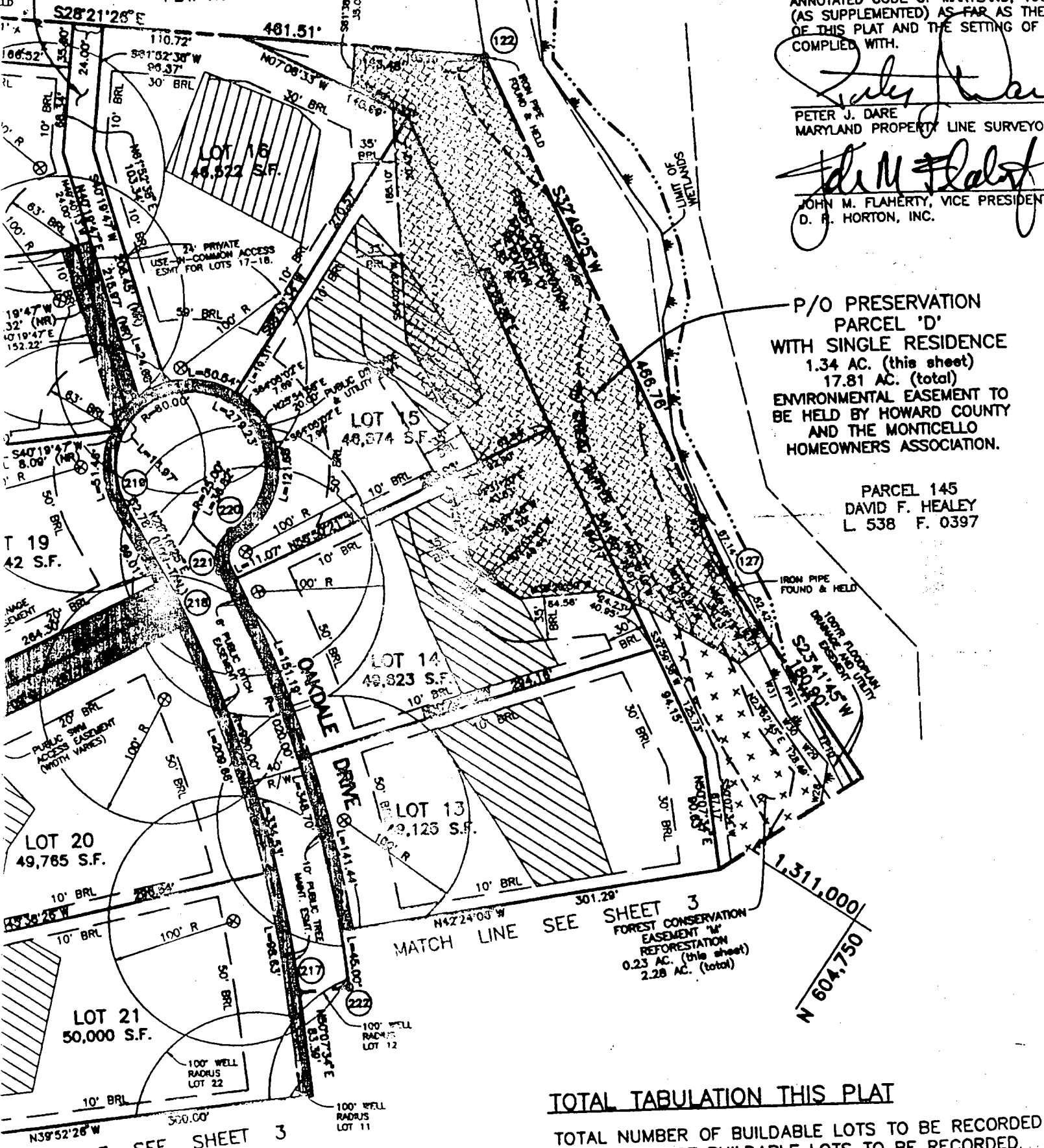


OAKLAND FARM LOTS 1-4
LOT 1
PLAT NO. 9307

THE REQUIREMENTS § 3-108, THE ANNOTATED CODE OF MARYLAND, 198 (AS SUPPLEMENTED) AS FAR AS THE OF THIS PLAT AND THE SETTING OF COMPLIED WITH.

PETER J. DARE
MARYLAND PROPERTY LINE SURVEYOR

JOHN M. FLAHERTY, VICE PRESIDENT
D. R. HORTON, INC.



P/O PRESERVATION
PARCEL 'D'
WITH SINGLE RESIDENCE
1.34 AC. (this sheet)
17.81 AC. (total)
ENVIRONMENTAL EASEMENT TO
BE HELD BY HOWARD COUNTY
AND THE MONTICELLO
HOMEOWNERS ASSOCIATION.

PARCEL 145
DAVID F. HEALEY
L 538 F. 0397

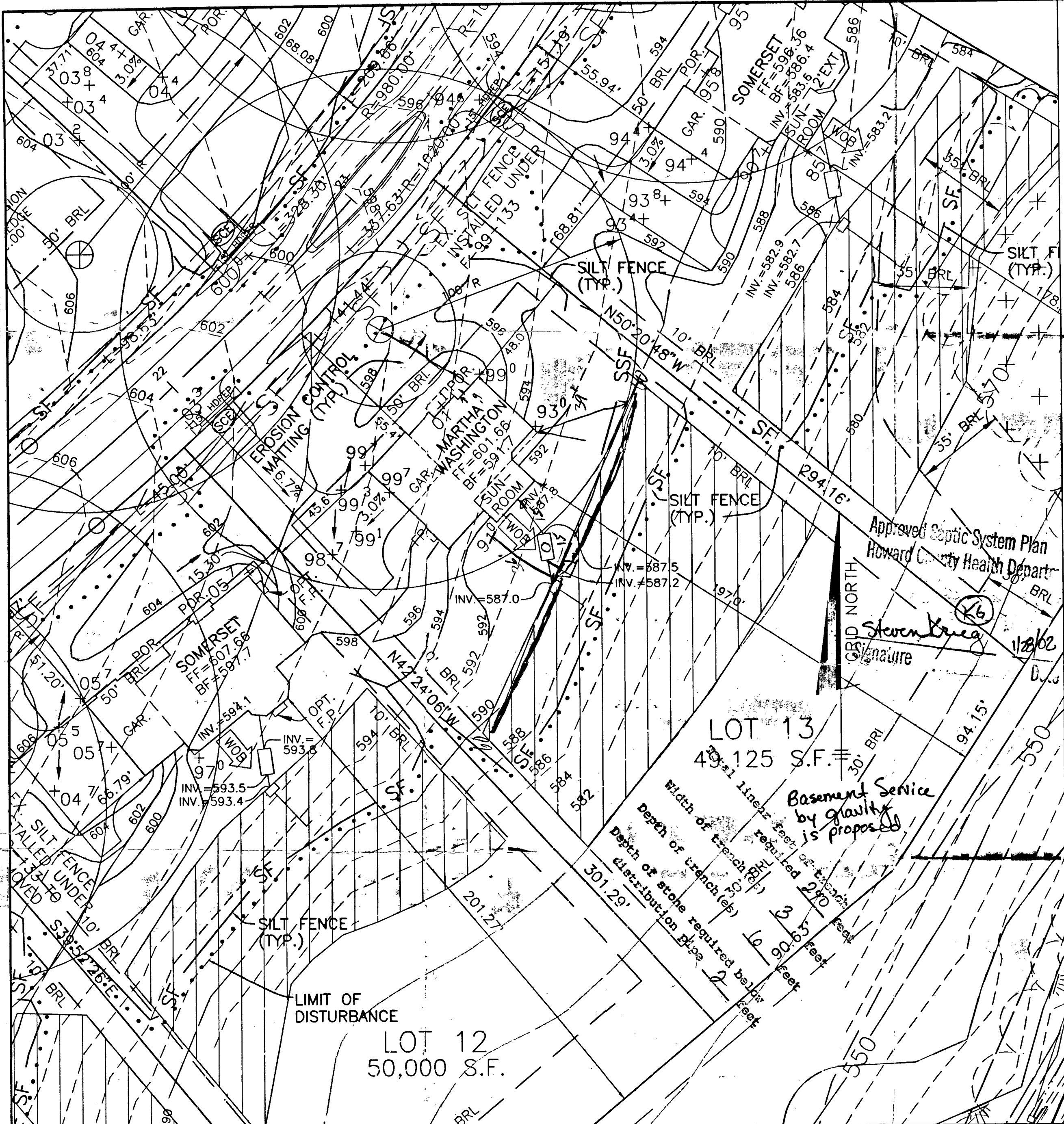
MATCH LINE SEE SHEET 3
FOREST CONSERVATION
EASEMENT "M"
REFORESTATION
0.23 AC. (this sheet)
2.28 AC. (total)

TOTAL TABULATION THIS PLAT

TOTAL NUMBER OF BUILDABLE LOTS TO BE RECORDED
 TOTAL AREA OF BUILDABLE LOTS TO BE RECORDED
 TOTAL NUMBER OF OPEN SPACE LOTS TO BE RECORDED
 TOTAL AREA OF OPEN SPACE LOTS TO BE RECORDED
 TOTAL NUMBER OF BUILDABLE PRES. PARCELS TO BE RECORDED
 TOTAL AREA OF BUILDABLE PRES. PARCELS TO BE RECORDED
 TOTAL NUMBER OF NON-BUILDABLE PRES. PARCELS TO BE RECORDED
 TOTAL AREA OF NON-BUILDABLE PRES. PARCELS TO BE RECORDED

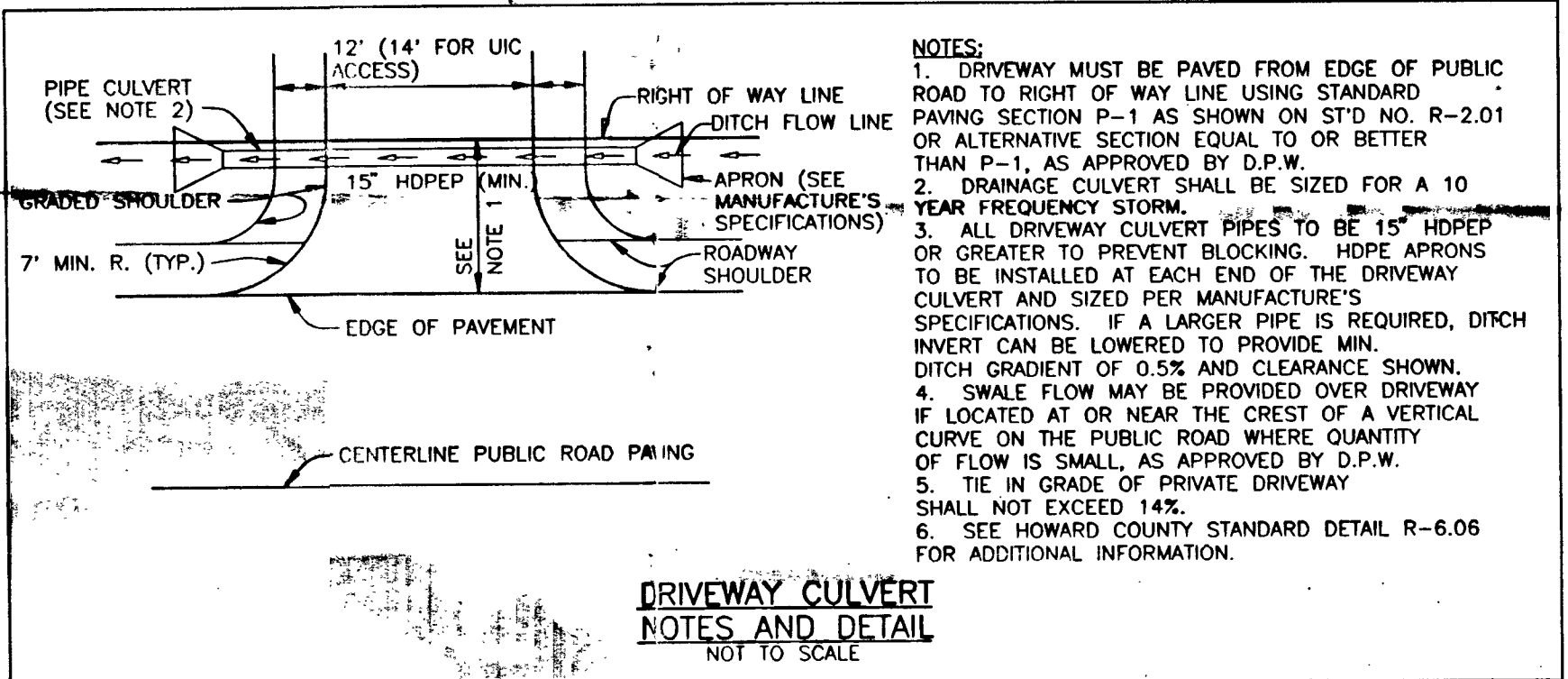
OWNER/DEVELOPER:
D. R. HORTON, INC.
SUITE 230
1370 PICCARD DRIVE
ROCKVILLE, MARYLAND 20850
410-465-4244

MATCH LINE SEE SHEET 3



NOTES:

1. THE LOT SHOWN HEREON WAS RECORDED ON PLAT NUMBER 14088, REFER TO THE PLAT FOR LOT DIMENSIONS, LOT AREAS, ALL EASEMENTS AND BUILDING RESTRICTIONS.
2. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWER DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA IS RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENT INTO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT PLAT SHALL NOT BE NECESSARY.
3. SEDIMENT AND EROSION CONTROLS WERE APPROVED BY HOWARD SOIL CONSERVATION DISTRICT UNDER GP-00-92 AND MODIFIED FOR THIS SPECIFIC HOUSE.
4. TOPOGRAPHY SHOWN HEREON IS TAKEN FROM THE APPROVED ROAD CONSTRUCTION PLANS.
5. EXACT LENGTH OF SEPTIC TRENCHES ARE TO BE DETERMINED BY THE HEALTH DEPARTMENT AT THE TIME OF PERMIT ISSUANCE.
6. SPOIL FROM THE TRENCHING OF THE SEPTIC AREA IS TO BE PLACED ON THE UPHILL SIDE OF THE EXCAVATION FOR EACH INDIVIDUAL LOT.
7. ALL SEDIMENT AND EROSION CONTROL FEATURES USED ON THIS SITE SHALL COMPLY WITH 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
8. ALL STORMWATER MANAGEMENT FEATURES USED ON THIS SITE MUST COMPLY WITH THE APPROVED ROAD CONSTRUCTION PLANS.



NOTES:

1. DRIVEWAY MUST BE PAVED FROM EDGE OF PUBLIC ROAD TO RIGHT OF WAY LINE USING STANDARD PAVING SECTION P-1 AS SHOWN ON ST'D NO. R-2.01 OR ALTERNATIVE SECTION EQUAL TO OR BETTER THAN P-1, AS APPROVED BY D.P.W.
2. DRAINAGE CULVERT SHALL BE SIZED FOR A 10 YEAR FREQUENCY STORM.
3. ALL DRIVEWAY CULVERT PIPES TO BE 15" HDPEP OR GREATER TO PREVENT BLOCKING. HDPE APRONS TO BE INSTALLED AT EACH END OF THE DRIVEWAY CULVERT AND SIZED PER MANUFACTURE'S SPECIFICATIONS. IF A LARGER PIPE IS REQUIRED, DITCH INVERT CAN BE LOWERED TO PROVIDE MIN. DITCH GRADIENT OF 0.5% AND CLEARANCE SHOWN.
4. SWALE FLOW MAY BE PROVIDED OVER DRIVEWAY IF LOCATED AT OR NEAR THE CREST OF A VERTICAL CURVE ON THE PUBLIC ROAD WHERE QUANTITY OF FLOW IS SMALL, AS APPROVED BY D.P.W.
5. TIE IN GRADE OF PRIVATE DRIVEWAY SHALL NOT EXCEED 14%.
6. SEE HOWARD COUNTY STANDARD DETAIL R-6.06 FOR ADDITIONAL INFORMATION.

DRIVEWAY CULVERT NOTES AND DETAIL
NOT TO SCALE

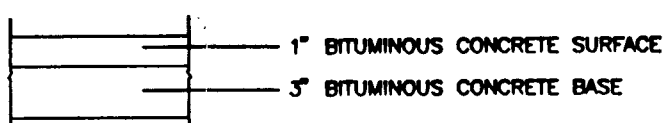
LEGEND

- LIMIT OF DISTURBANCE - - - - -
- EX. SILT FENCE - - - - - SF
- PROP. SILT FENCE - - - - - SF
- EX. SUPER SILT FENCE - - - - - SSF
- PROP. SUPER SILT FENCE - - - - - SSF
- EX. EARTH DIKE - - - - -
- PROP. EARTH DIKE - - - - -
- STABILIZED CONSTRUCTION ENTRANCE - - - - - SCE
- EXISTING CONTOUR - - - - - 598
- PROPOSED CONTOUR - - - - - 612
- EROSION CONTROL MATTING - - - - -

Basement Service by gravity is proposed

Basement Service by gravity is proposed

LOT 13
49,125 S.F.
Width of trench (ft) 2
Depth of trench (ft) 2
Depth of stone required below (ft) 16
Depth of stone required below (ft) 16
Depth of stone required below (ft) 16



PAVING SECTION
NOT TO SCALE

NO.	DATE	REVISION
<p>BENCHMARK ENGINEERS Δ LAND SURVEYORS Δ PLANNERS ENGINEERING, INC. 8480 BALTIMORE NATIONAL PIKE Δ SUITE 418 ELLCOTT CITY, MARYLAND 21043 PHONE: 410-465-6105 Δ FAX: 410-465-6644 EMAIL: benchmark@ccis.com</p>		
OWNER/BUILDER:		PROJECT:
D.R. HORTON, INC. SUITE 230 1370 PICCARD DRIVE ROCKVILLE, MARYLAND 20850 1-301-670-6144		MONTICELLO LOT 13
LOCATION:		TITLE:
1754 OAKDALE DRIVE COOKSVILLE, MD 21723 TAX MAP 14 - BLOCK 19 - P/O PARCEL 246 4th ELECTION DISTRICT OF HOWARD COUNTY, MARYLAND		PERMIT PLAN
HOUSE TYPE:		DATE:
MARTHA WASHINGTON		NOVEMBER 12, 2001
DESIGN:	DRAFT:	PROJECT NO.
JMC	JMC	1304
SCALE: 1" = 30'		DRAWING
		1 OF 1