

Tax ID 03-317676

LAYOUT 10/14/03-1PM INSP 4 _____
INSP 2 10/27/03-1PM INSP 5 _____
INSP 3 12/10/03- INSP 6 _____

ISSUE DATE: 4/21/03

P 518629

APPROVAL DATE: 1/13/04

A 39715

PERMIT INDEXED

**ON-SITE SEWAGE DISPOSAL SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MD 21043**

Fogles Septic Clean, Inc IS PERMITTED TO INSTALL ALTER

ADDRESS: 580 Obrecht Rd, Sykesville PHONE NUMBER: 410-795-5670

SUBDIVISION: Hawksfield Estates LOT NUMBER: 12

ADDRESS: 3155 Old Oak Drive PROPERTY OWNER: Griendfield Estates, Inc.

SEPTIC TANK CAPACITY (GALLONS): 1500 OUTLET BAFFLE FILTER REQUIRED

PUMP CHAMBER CAPACITY (GALLONS): 1500 COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 4

SQUARE FEET PER BEDROOM: 180

LINEAR FEET OF TRENCH REQUIRED: 150 HOUSE SERVED BY PUBLIC WATER

TRENCHES:	Trench to be 2.0 feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 7.5 feet below original grade. Effective area begins at 3.5 feet below original grade. 4.0 feet of stone below distribution pipe.
LOCATION:	Place the distribution box 60 feet off the upper right septic easement stake and 58 feet off the upper left septic easement stake. Run a total of 3- 50' trenches on contour in both directions.
NOTES:	Basement gravity service NOT proposed.

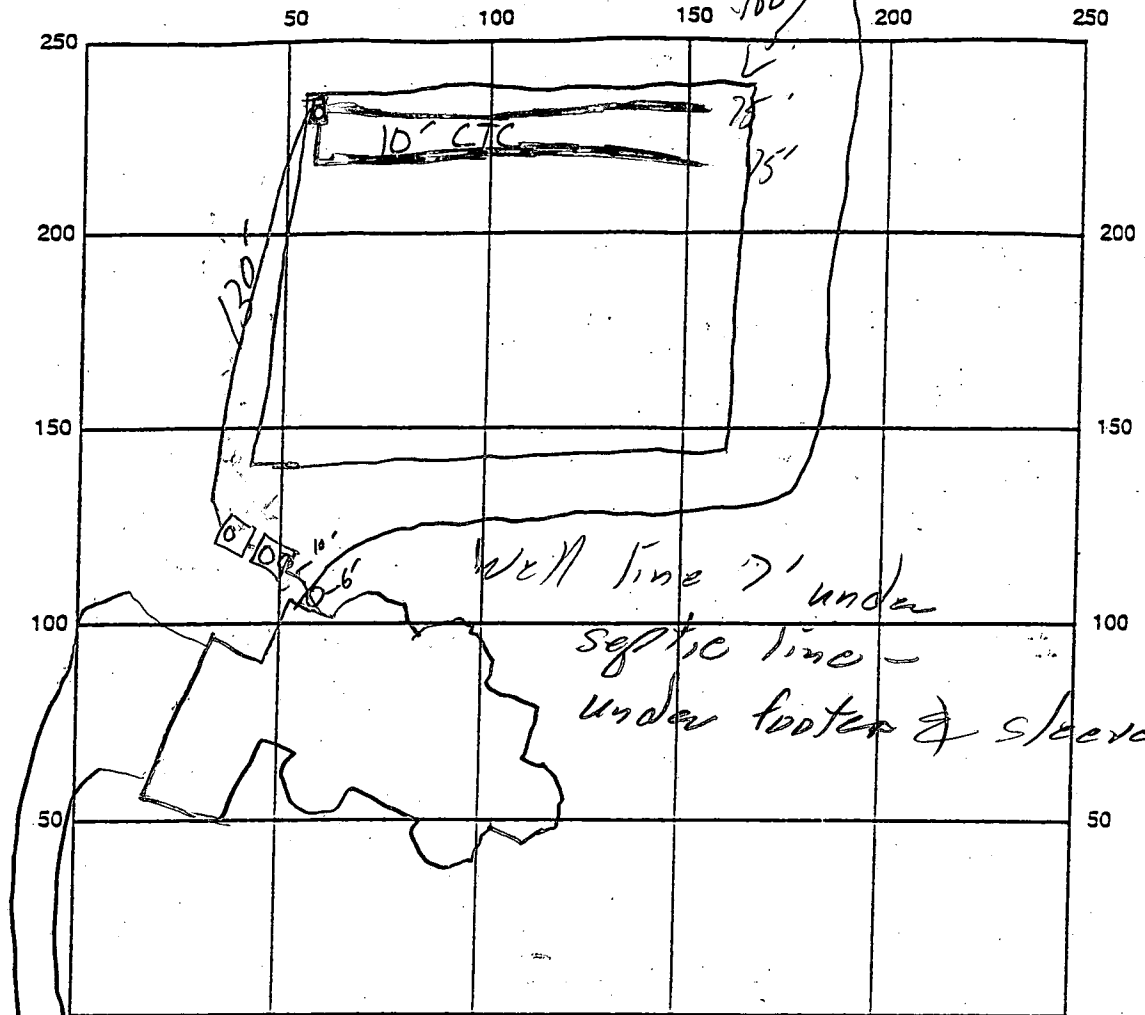
PLANS APPROVED: KN DATE: 2/5/03

NOTES: PERMIT VOID AFTER 2 YEARS
CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
WATERTIGHT SEPTIC TANKS REQUIRED
ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED
MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED
CONTRACTOR RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE REGULATIONS, GUIDELINES AND THE TERMS OF THIS PERMIT

**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
CALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM
DO NOT LEAVE ANY REQUEST FOR INSPECTION ON VOICEMAIL**

A 39715

HO-94-2344



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL CLEANOUTS Septic: front & back Pump: Back

DISTRIBUTION BOX LEVEL

DRAIN FIELD/TITLE DEPTH 7.5' FT. TRENCH WIDTH 2' FT. INLET DEPTH 35 FT.

EFFECTIVE GRAVEL DEPTH 4' FT. TOTAL LENGTH 150 FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA _____ SQ. FT.

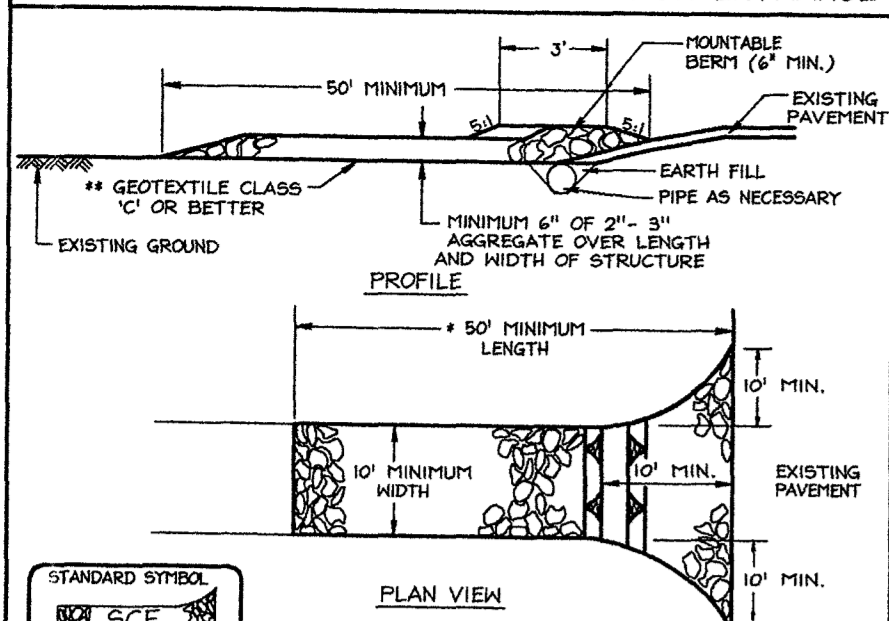
DRYWALL INSIDE DIAMETER _____ FT. EFFECTIVE DEPTH BELOW INLET _____ FT.

ABSORBENT AREA 600' SQ. FT.

REMARKS: 10/14/03 - Staked w/put sided area. Move 15' above stake to set D.B. Upper trenches 8' etc, lower 10' CTC to go around big tree - (3) 50' trenches (SD) 10/27/03 OK to cover all complete work; pump & alarm test needed (KR/SD) 1/13/04 - Pump & Alarm test OK (SD)

DATE SYSTEM APPROVED [Signature] INSPECTOR 1/13/04

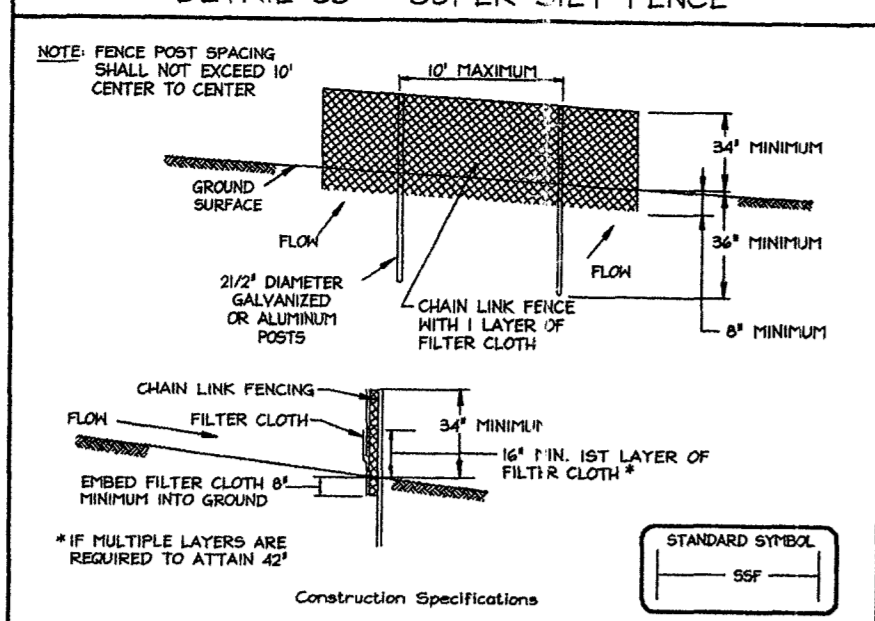
DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE



U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

PAGE: F-17-3
MARYLAND DEPARTMENT OF ENVIRONMENT
WATER MANAGEMENT ADMINISTRATION

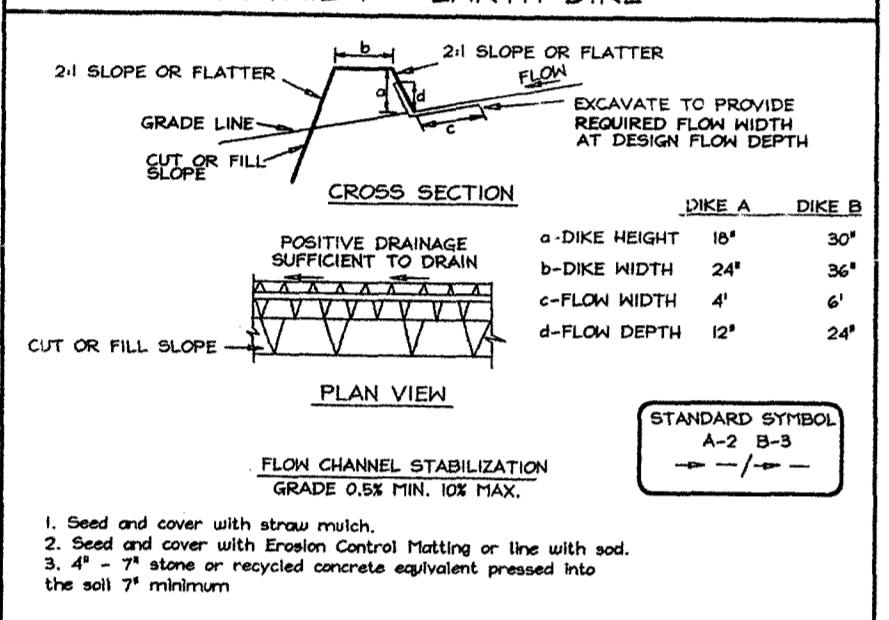
DETAIL 33 - SUPER SILT FENCE



U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

PAGE: F-17-3
MARYLAND DEPARTMENT OF ENVIRONMENT
WATER MANAGEMENT ADMINISTRATION

DETAIL 1 - EARTH DIKE



U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

PAGE: A-1-4
MARYLAND DEPARTMENT OF ENVIRONMENT
WATER MANAGEMENT ADMINISTRATION

21.0 STANDARDS AND SPECIFICATIONS FOR TOPSOIL

Definition
Placement of topsoil over a prepared subsoil prior to establishment of permanent vegetation.

Purpose
To provide a suitable soil medium for vegetable growth. Soils of concern have low moisture content, low nutrient levels, low pH, materials toxic to plants, and/or unacceptable soil gradation.

Conditions Where Practice Applies

- This practice is limited to areas having 2:1 or flatter slopes where:
 - The texture of the exposed subsoil/parent material is not adequate to produce vegetative growth.
 - The soil material is so shallow that the rooting zone is not deep enough to support plants or furnish continuing supplies of moisture and plant nutrients.
 - The original soil to be vegetated contains material toxic to plant growth.
 - The soil is so acidic that treatment with lime is not feasible.
- For the purpose of these Standards and Specifications, areas having slopes steeper than 2:1 require special consideration and design for adequate stabilization. Areas having slopes steeper than 2:1 shall have the appropriate stabilization shown on the plans.

Construction and Material Specifications

- Topsoil salvaged from the existing site may be used provided that it meets the standards set forth in these specifications. Typically the depth of topsoil to be salvaged for a given soil type can be found in the representative soil profile section in the Soil Survey published by USDA-SCS in cooperation with Maryland Agricultural Experiment Station.
- Topsoil Specifications - Soil to be used as topsoil must meet the following:
 - Topsoil shall be a loam, sandy loam, clay loam, silt loam, or silty clay loam, loamy sand. Other soils may be used if recommended by an agronomist or a soil scientist and approved by the appropriate approval authority. Regardless, topsoil shall not be a mixture of contrasting textures. Subsoils shall contain less than 1% by volume of cinders, stones, slag, coarse fragments, gravel, sticks, roots, trash, or other materials larger than 1 and 1/2" in diameter.
 - Topsoil must be free of plants or plant parts such as Bermuda grass, quackgrass, Johnsongrass, nutgrass, poison ivy, thistle, or others as specified.
 - Where the subsoil is either highly acidic or composed of heavy clays, ground limestone shall be spread at the rate of 4-5 tons/acre (200-400 pounds per 1,000 square feet) prior to the placement of topsoil. Lime shall be distributed uniformly over designated areas and worked into the soil in conjunction with tillage operations as described in the following procedures.
- For sites having disturbed areas under 5 acres:
 - Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization - Section 1 - Vegetative Stabilization Methods and Materials.

PERMANENT SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.

SEEDBED PREPARATION: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding, if not previously loosened.

SOIL AMENDMENTS: In lieu of soil test recommendations, use one of the following schedules:

- Preferred-Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq.ft.) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq.ft.) before seeding. Harrow or disc into upper three inches of soil. At the time of seeding, apply 400 lbs. per acre 50-0-0 ureamform fertilizer (4 lbs/1000 sq.ft.).
- Acceptable-Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq.ft.) and apply 1000 lbs. per acre 10-10-10 fertilizer (20 lbs/1000 sq.ft.) before seeding. Harrow or disc into upper three inches of soil.

SEEDING: For the periods March 1 thru April 30, and August 1 thru October 15, seed with 40 lbs. per acre (14 lbs/1000 sq.ft.) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 100 lbs/1000 sq.ft. of Tall Fescue per acre and 2 lbs. per acre of 100 lbs/1000 sq.ft. of creeping lovegrass. During the period of one acre well anchored straw mulch and seed as soon as possible Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

MULCHING: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq.ft.) of untreated small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 20 gallons per acre (5 gal/1000 sq.ft.) of emulsified asphalt on flat grass. On slopes 6 feet or higher, use 345 gallons per acre (8 gal/1000 sq.ft.) for anchoring.

MAINTENANCE: Inspect all seeded areas and make needed repairs, replacements and reseedings.

TEMPORARY SEEDING NOTES

SEEDBED PREPARATION: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding, if not previously loosened.

SOIL AMENDMENTS: Apply 600 lbs. per acre 10-10-10 fertilizer (14 lbs/1000 sq.ft.).

SEEDING: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 40 lbs. per acre of annual rye (3.2 lbs/1000 sq.ft.). For the period May 1 thru August 14, seed with 3 lbs. per acre of annual rye (0.07 lbs/1000 sq.ft.). For the period November 1 thru February 28, protect site by applying 2 tons in the spring, or use sod.

MULCHING: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq.ft.) of untreated small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or flat grass. On slopes 6 feet or higher, use 345 gallons per acre (8 gal/1000 sq.ft.) for anchoring.

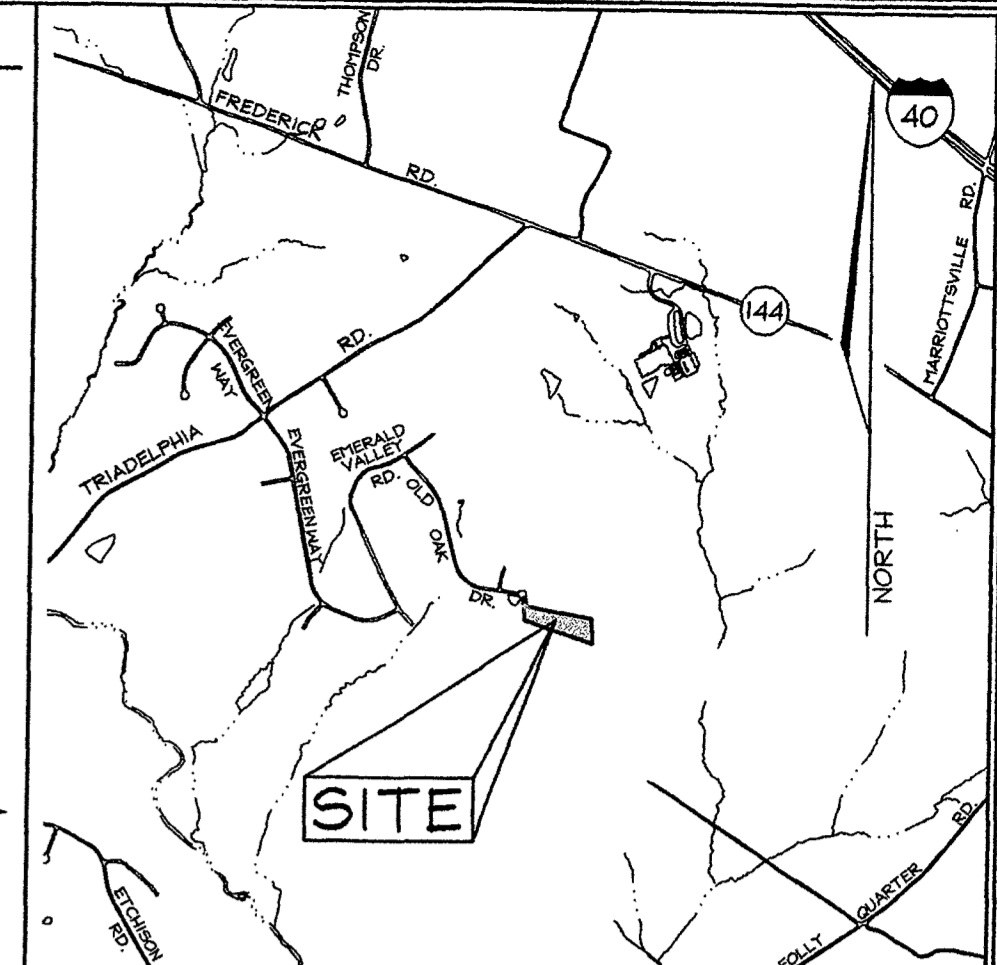
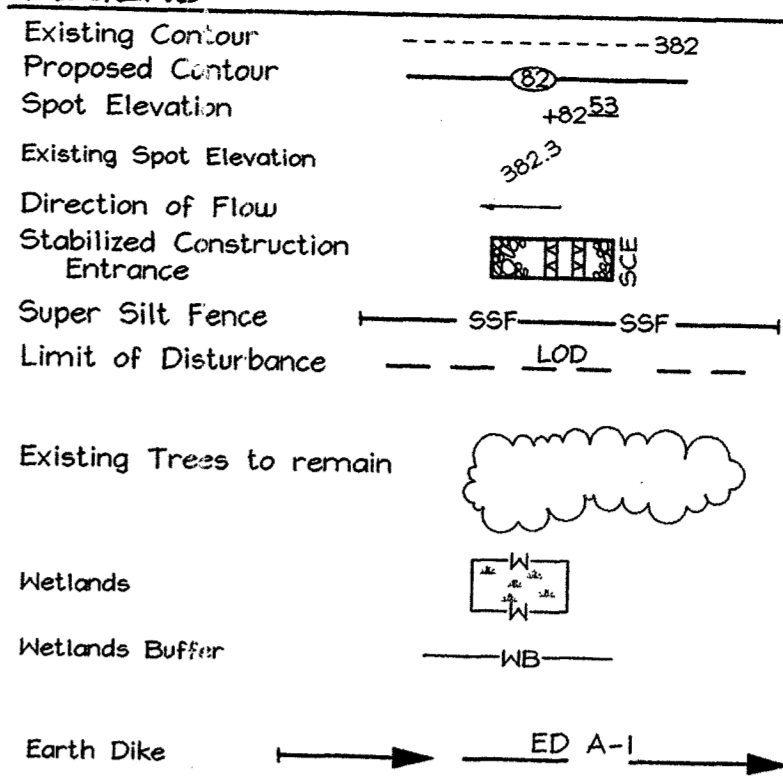
REFER TO THE NEW MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

SEDIMENT CONTROL NOTES

- A minimum of 48 hours notice must be given to the Howard County Department of Inspection, License and Permits Sediment Control Division prior to the start of any construction (313-1855).
- All vegetation and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, and revisions thereto.
- Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within (6) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes, and all slopes greater than 3:1, (5) 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 7, 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, sod, temporary seeding, or mulching (Sec. G). Temporary stabilization with mulch alone shall be done within recommended seeding dates to 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	3,352 Acres
Area Disturbed	0.154 Acres
Area to be roofed or paved	0.405 Acres
Total Cut	4,500 CY
Total Fill	4,500 CY
On-site waste/borrow area location	22
- Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- Additional sediment controls must be provided, if deemed necessary by the Howard County Sediment Control Inspector.
- On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon 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.
- Earthwork quantities are solely for the purpose of calculating fees. Contractor to verify all quantities prior to the start of construction.
- To be determined by contractor, with pre-approval of the Sediment Control Inspector with 24 approved and active grading permit.

LEGEND

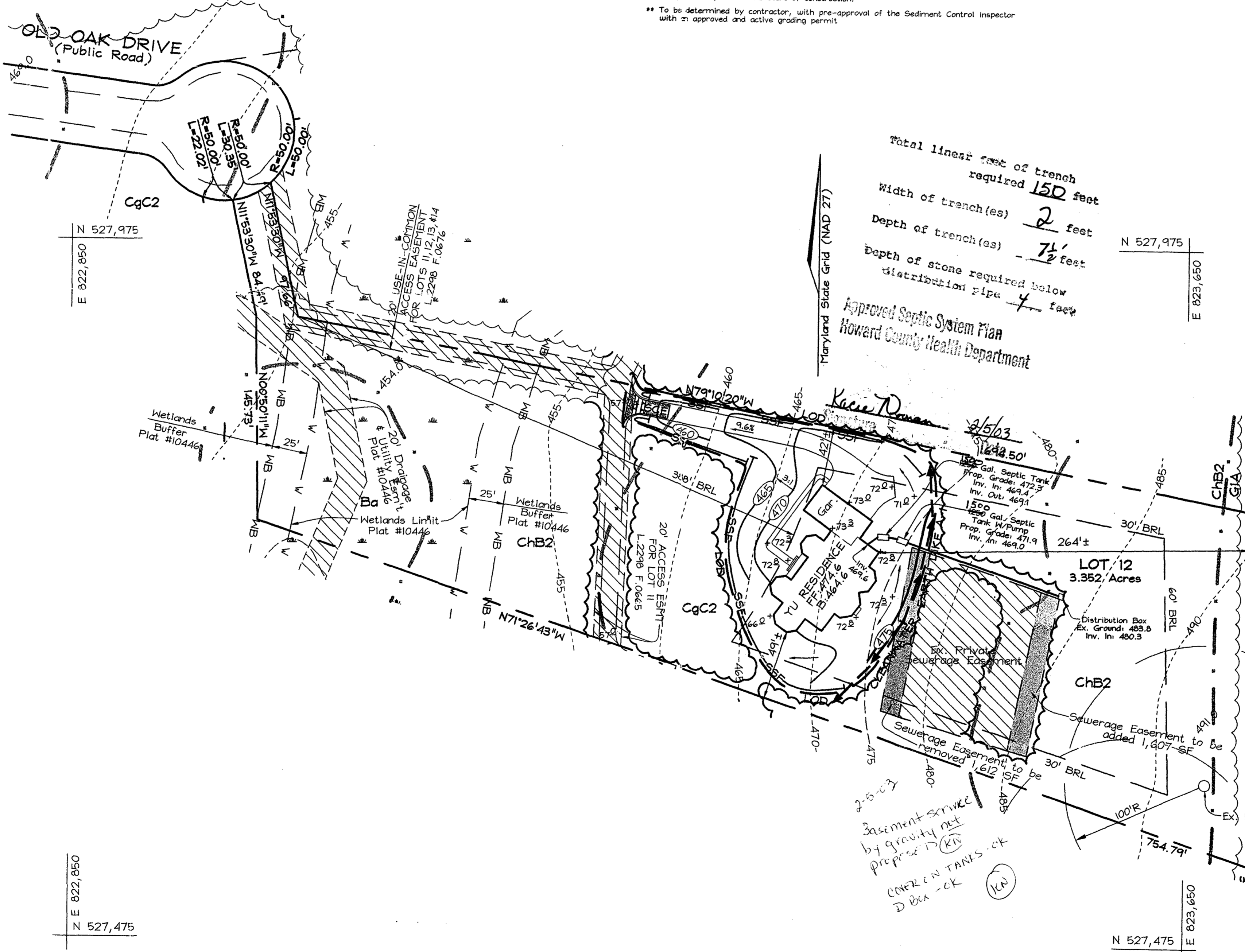


SOILS LEGEND

SYMBOL	NAME / DESCRIPTION	SOIL GROUP
Ba	Baile silt loam	D
CgC	Chester gravelly silt loam, 8 to 15 percent slopes, moderately eroded	B
ChB2	Chester silt loam, 3 to 8 percent slopes, moderately eroded	B
GIA	Glenela loam, 0 to 3 percent slopes	B

GENERAL NOTES

- Reference: Plat #10446
- Five (5) foot contours are taken from Howard County aerial topographic survey.
- Contractor to confirm all dimension, utilities and topography in the field. If any conflicts arise, contact Engineer before beginning any work.
- Private water, and sewer will be used within this site.
- Basement will not sewer by gravity. Effluent Pump required in Septic Tank.
- This area designates a private sewage easement of at least 10,000 square feet as required by the Maryland State Department of the Environment for individual sewage disposal (COMAR 26.04.03). Improvements of any nature in this area are restricted until public sewage is available. These easements shall become null and void upon connection to a public sewage system. The County Health Officer shall have the modified sewage easement shall not the private sewage easement. Recordation of a modified septic systems on adjacent properties within 100' of proposed wells and proposed septic systems have been shown.
- Howard County Soil Map #14
- Septic fields are located on soil types CgC2 and ChB2, as per the soil survey of Howard County.



GRADING PLAN
HAWKSFIELD ESTATES
LOT 12

TAX MAP 16#23 GRID 20
3RD ELECTION DISTRICT

LOT 12
HOWARD COUNTY, MARYLAND

BUILDER
GREENFIELD HOMES, Inc.
6656 Luster Drive
Highland, Maryland 20777
410.781.6782

FSH Associates
Engineers Planners Surveyors
8318 Forest Street Elkport City, MD 21043
Tel: 410-788-9291 Fax: 410-550-7350
E-mail: FSHAssociates@cs.com

DESIGN BY: PS
DRAWN BY: Slim
CHECKED BY: ZYF
SCALE: 1"=50'
DATE: Nov. 12, 2002
P.L.O. No.: 3128
SHEET No.: 1 OF 1

**HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
WATER AND SEWERAGE PROGRAM
TEL: (410)313-2640 FAX: (410)313-2648**

Information Form for the Installation of the Well Pump, Pitless Adapter, and Supply Piping

NOTE: The installer is responsible for requesting an inspection prior to 9 am on the day of the desired inspection. No work is to be covered until approved by the Health Department. All installations must comply with the National Standard Plumbing Code (NSPC, as amended locally) and COMAR 26.04.04 (MD Well Construction Regulations). Submission of a complete form is required prior to Use and Occupancy approval.

Company Name: Gartland Plumbing Telephone #: 410-825-5303
Address: 1620 W. Old Liberty Rd
Sykesville, MD 21784

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer
License # and name of individual responsible for the field installation:
Name (Print): Joseph Gartland License# 6352
*A licensed individual must perform the actual installation. Apprentices must be under the direct supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification.

Name of Property Owner: YU XIAfang Telephone #: 410-281-6282
Subdivision: Hawks Field Estates Lot #: 12 Well Tag #: HO-94-2344
Site Address: 3155 Old Oak Drive
Ellicott City, MD 21042

Submersible Pump Data
Make: Goulds
Model #: 26507
Pump Capacity: ? GPM
Well Yield: 10 GPM

Pitless Adapter
Make: BT
Model #: D100LT
Depth: 48 (36" min)
NSF approved: Yes

Well Cap and Electric Conduit
Two piece watertight cap:
Screened, vented well cap:
Cap secured to casing:
Conduit min 18" B.G.:
Conduit secured to well cap:

Depth of well encountered at time of pump installation: 380 (feet)
If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4
Torque arrestors or Cable guards are required - Must circle one
Safety rope, if used, attached to inside of well casing with eye bolt Yes

Piping to house
Type: Poly
PSI: 160 (160 psi min)
Depth of supply line: 48 (36" min)

House Connection
PVC sleeved to undisturbed soil at wall penetration: Yes
Approximate length of sleeve: _____
Sleeve caulked and sealed properly: _____

Sleeved
under Footing
To Tank

The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Signature of company representative responsible for installation: _____ date: 1-10-04

For Health Department Use Only - Not to be completed by Installer

Date Insp. Requested: 11/6/03 Date Insp. Approved: 11-6-03 (30)
Inspection Data: Pitless adapter and water supply line at least 36" below grade
Two piece cap installed and attached to casing securely
Elec. conduit extends at least 18" below grade/attached to cap properly
Safety rope installed inside of well casing
Correct well tag attached properly and casing 8" above finished grade
Water supply line sleeved adequately at house connection
Adequate grout observed below pitless adapter

C1 06662 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE

COUNTY NUMBER A39715

DATE RECEIVED 09 29

DATE WELL COMPLETED 08 20 99

DEPTH OF WELL 380 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO 94-2344

OWNER: Dig-Data, STREET OR RFD: Old Oak DR, TOWN: W Friendship, SUBDIVISION: Hawkstield, SECTION: , LOT: 12

WELL LOG

Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries like 'Dirt', 'Soft Br. mica', 'Hard Br. & Blue mica', etc.

GROUTING RECORD

WELL HAS BEEN GROUTED (Y) (N) TYPE OF GROUTING MATERIAL (C) (M) (B) (C) NO. OF BAGS 16 NO. OF POUNDS 1504

CASING RECORD

MAIN CASING TYPE (S) (T) (P) (L) (O) (T) Nominal diameter top (main) casing 6 Total depth of main casing 82

Table for OTHER CASING (if used) with columns for diameter and depth.

SCREEN RECORD

screen type or open hole (S) (T) (B) (R) (H) (O) (P) (L) (O) (T)

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED (Y) (N)

- 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...

DRILLERS LIC. NO. 1 MWD296, Ronald Kyker, DRILLERS SIGNATURE, LIC. NO. 1 M D

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

DEPTH (nearest ft.)

Table showing casing depth from 150 to 360 feet.

SLOT SIZE 1 0010 2 0010 3 0010 DIAMETER OF SCREEN 4 (NEAREST INCH)

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

TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST

HOURS PUMPED (nearest hour) 3 10. PUMPING RATE (gal. per min.) 150. METHOD USED TO MEASURE PUMPING RATE Submersible

PUMP INSTALLED

DRILLER WILL INSTALL PUMP (YES) (NO) TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29 CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35

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)

Handwritten notes: Old Oak Road, Well

B 1 **8562** SEQUENCE NO. (MDE USE ONLY)

(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-8 ON ALL CARDS)

STATE OF MARYLAND
 PERMIT TO DRILL WELL
 please print or type

STATE PERMIT NUMBER
HO-94-2344
 fill in this form completely

Date Received (APA)
072099

OWNER INFORMATION

DIGI-DATA HOLDINGS

15 Last Name 13
 36 Street or RFD 55
9881 BROOKVIEW AND PARKWAY
COLUMBIA 70 State 72 **MD21046** Zip 76

B 3 LOCATION OF WELL

HOWARD COUNTY
HOWARD ESTATES SUBDIVISION
 SECTION **1** LOT **12**
WEST FRIENDSHIP NEAREST TOWN
 MILES FROM TOWN (enter 0 if in town) **4** MI

DRILLER INFORMATION CIRCLE: MSD/MGD/MWD

Ronald Kyker License No. **896**

Driller's Name
Westminster Rotary Well Drilling Inc.
 Firm Name
P.O. Box 861, Westminster, Md 21158
 Address
Ronald Kyker use 7-999
 Signature Date

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

NEAR WHAT ROAD
Old Oak Drive

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

DISTANCE FROM ROAD
650 ENTER FT OR MI **FT**

TAX MAP: **16** BLK: **20** PARCEL **258**

B 2 WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) **5**

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **450**

USE FOR WATER (CIRCLE APPROPRIATE BOX)

D 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 HEALTH DEPARTMENT APPROVAL)

T TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard Co COUNTY NAME
A39715 COUNTY NO.

STATE SIGNATURE _____ INSERT S _____

DATE ISSUED **073099** **A McMill** **7/30/00**

43 NORTH GRID **530000** 48 CO SIGNATURE 57 EAST GRID **820000** 63 EXP. DATE

APPROXIMATE DEPTH OF WELL **300** FEET

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)

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 DEEPEM AN EXISTING WELL

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

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

APPROX. PERMIT NUMBER **GAP**

FORGE **AM** WRITE INITIALS IN BOX PERMIT No. **HO-94-2344**

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

- City**
-
-

WRITE THE BOX NUMBER FROM THE MAP HERE

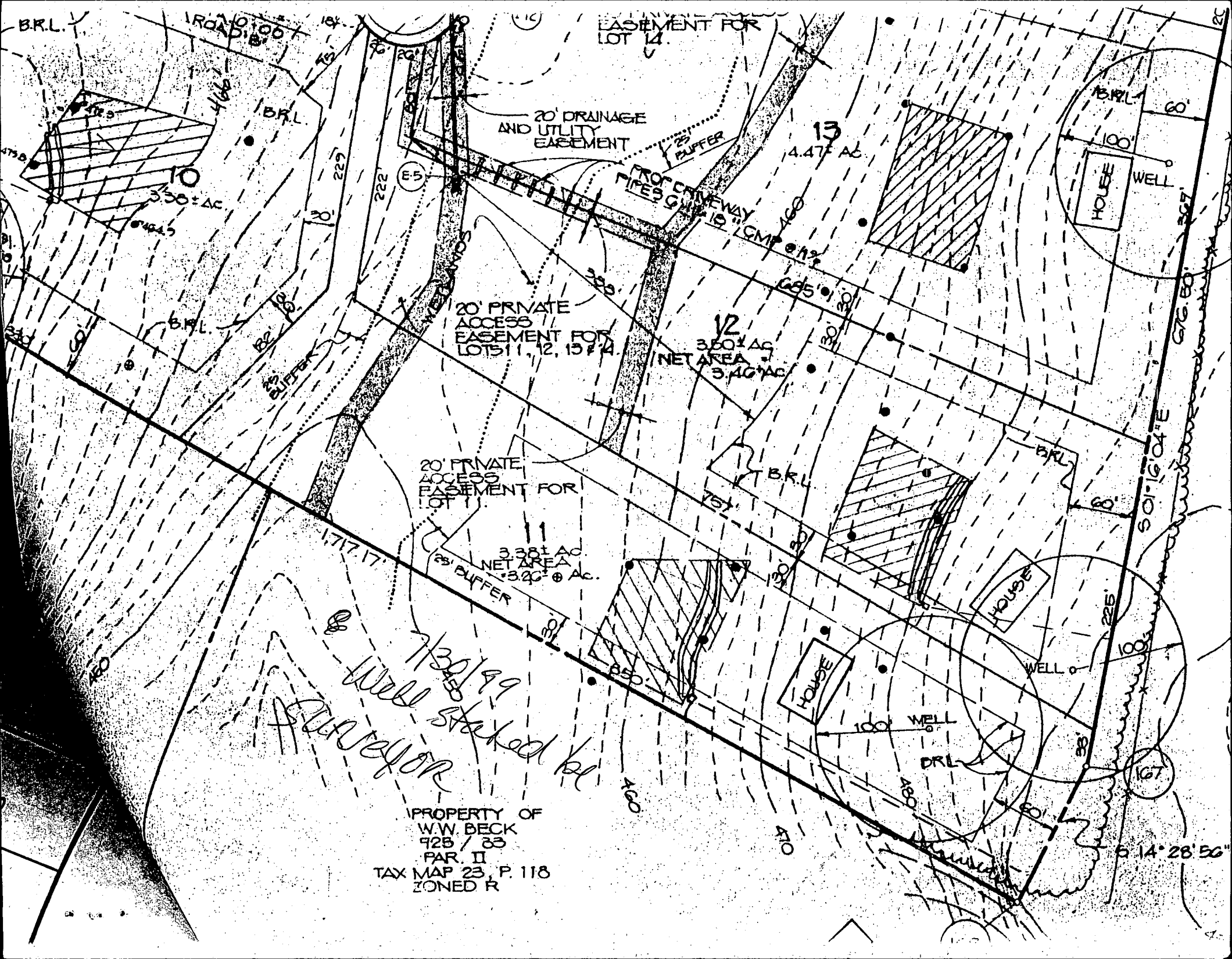
820
530

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

8/20/99
12:00 GROUT
No Insp

Old Oak Drive

X



B.R.L. ROAD 10' 100'

EASEMENT FOR LOT 12

20' DRAINAGE AND UTILITY EASEMENT

13 4.47± AC

10 3.30± AC

20' PRIVATE ACCESS EASEMENT FOR LOTS 11, 12, 13 & 14

12 3.50± AC NET AREA 3.40± AC

20' PRIVATE ACCESS EASEMENT FOR LOT 11

3.38± AC NET AREA 3.20± AC

Well Staked by Surveyor

PROPERTY OF
W.W. BECK
928 / 83
PAR. II
TAX MAP 23, P. 118
ZONED R

HOUSE WELL

HOUSE

HOUSE

WELL

WELL

D.R.L.

6° 14' 28" 56"

APPLICATION

PERCOLATION TESTING

A 39715

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE 461-9933

*8/12/87
perc OK'd pending
approved plat
@*

DISTRICT _____

DATE 7/15/87

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER RONALD S. LANEVE

ADDRESS 11799 TRIADELPHIA ROAD PHONE 301-531-6161
ELLICOTT CITY, MARYLAND 21043

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. 12 Preliminary

ROAD AND DESCRIPTION SOUTH OF MARYLAND ROUTE 144 AND SOUTHEAST OF TRIADELPHIA ROAD

TAX MAP 16G23 PARCEL # 40

SIZE OF LOT 3 ACRES TYPE BLDG. SFD
(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. R. S. Laneve
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

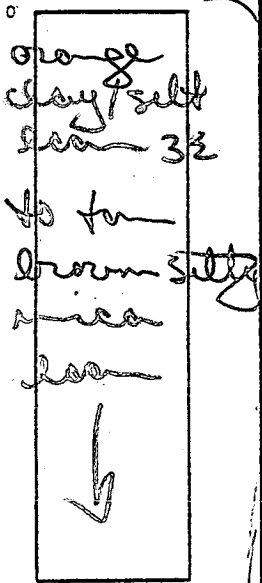
REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING for field located holes + sub: plat
~~Sp/188 Visant Report OR. BLDG TEST WITHIN 20-50' OF OTHER~~
~~Holes. All Holes Must be completed before consideration of~~
Approval S.A.

THIS IS NOT A PERMIT

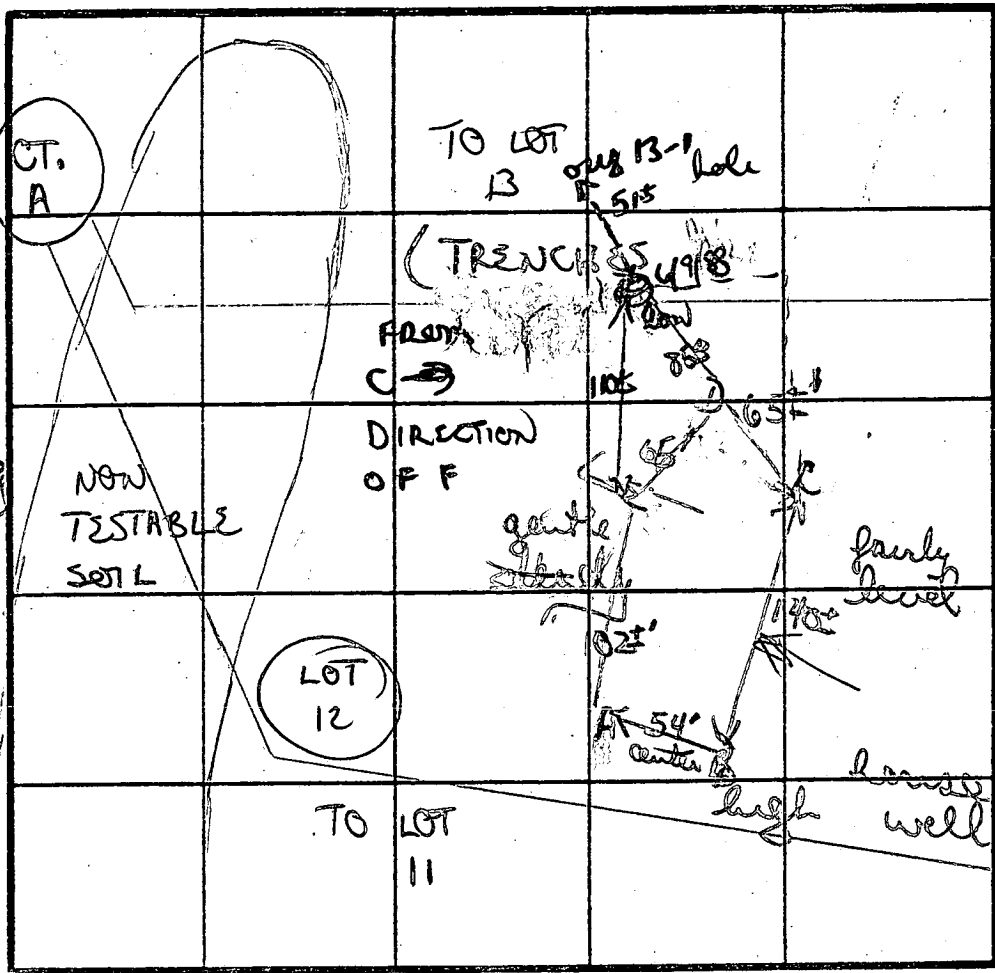
A, D
SOIL PROFILE



13' D
B

Brown/orange clay 3'
silty clay 4 1/2'
tan orange grey silty mica layer
↓
11 1/2' D
C

orange/red chunky clay 3 1/2 - 4'
to orange/tan gritty silty mica layer
↓
12' D
D



D + E
similar to
A w/ clay
clay layer
4 1/2'
↓
12' D
6/9/88
ADJUSTED
PERC FIELD
C, D, E + F
To be for
revised
Lot 11

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
4/2/87	A	3 1/2' S	256	258	258	301	3 MIN	
		13' D	bottom (see profile)					
	B	3 1/2' S	300	303	303	307	4 MIN	
		6 1/2' M	259	300	300	302	2 MIN	
		11 1/2' D	bottom (see profile)					
	C	4' S	303	308	308	319	11 MIN	
		12' S	bottom (see profile)					
	E	4' S	312	313	313	315	2 MIN	
		12' D	bottom (see profile)					
	D	4 1/2' S	316	317	317	319	2 MIN	
		12' D	bottom (see profile)					

REMARKS: Dug + tested as shown
 TYPE OF SOIL: orange/red clay/silty mica
 TESTED BY: B. N. N. N.
 ALSO PRESENT: Hareesh

APPLICATION

PERCOLATION TESTING

A 39715
P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 461-9933

DISTRICT _____

DATE _____

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER _____

ADDRESS _____ PHONE _____

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

(INCLUDING ORIG 12 C, D, E)
REVISED LOT 11

PROPERTY LOCATION:

SUBDIVISION HAWKSFIELD LOT NO. _____

ROAD AND DESCRIPTION _____

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 OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

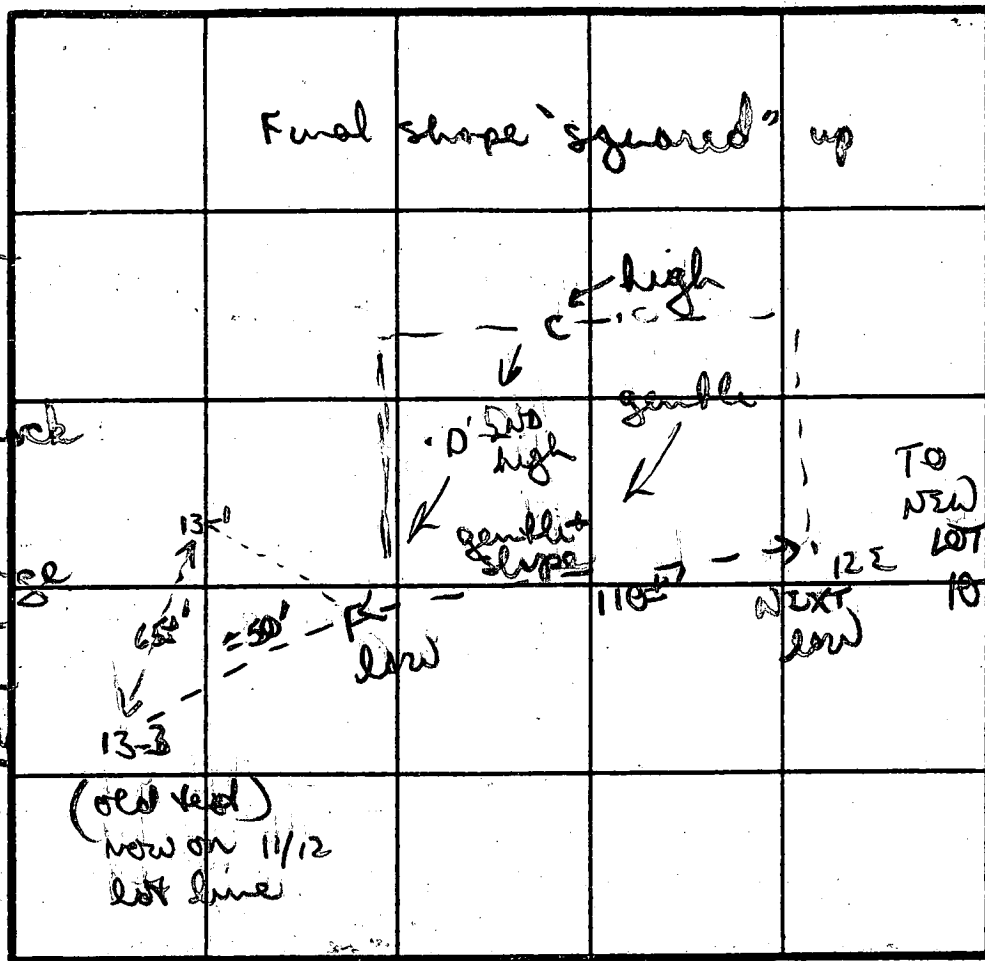
HD-216

THIS IS NOT A PERMIT

F
SOIL PROFILE

orange/tan
silty clay
mix w/
few small
scattered rock
frag
3 1/2'
to light orange
silty loam
to grey/tan
silty heavily
micaceous
loam 4 1/2'

soft grey
weathered mica
shist frag
10 1/2' D



X Perc
4 min
180°/BR
INLET 3.5'
BOTTOM 7.5'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

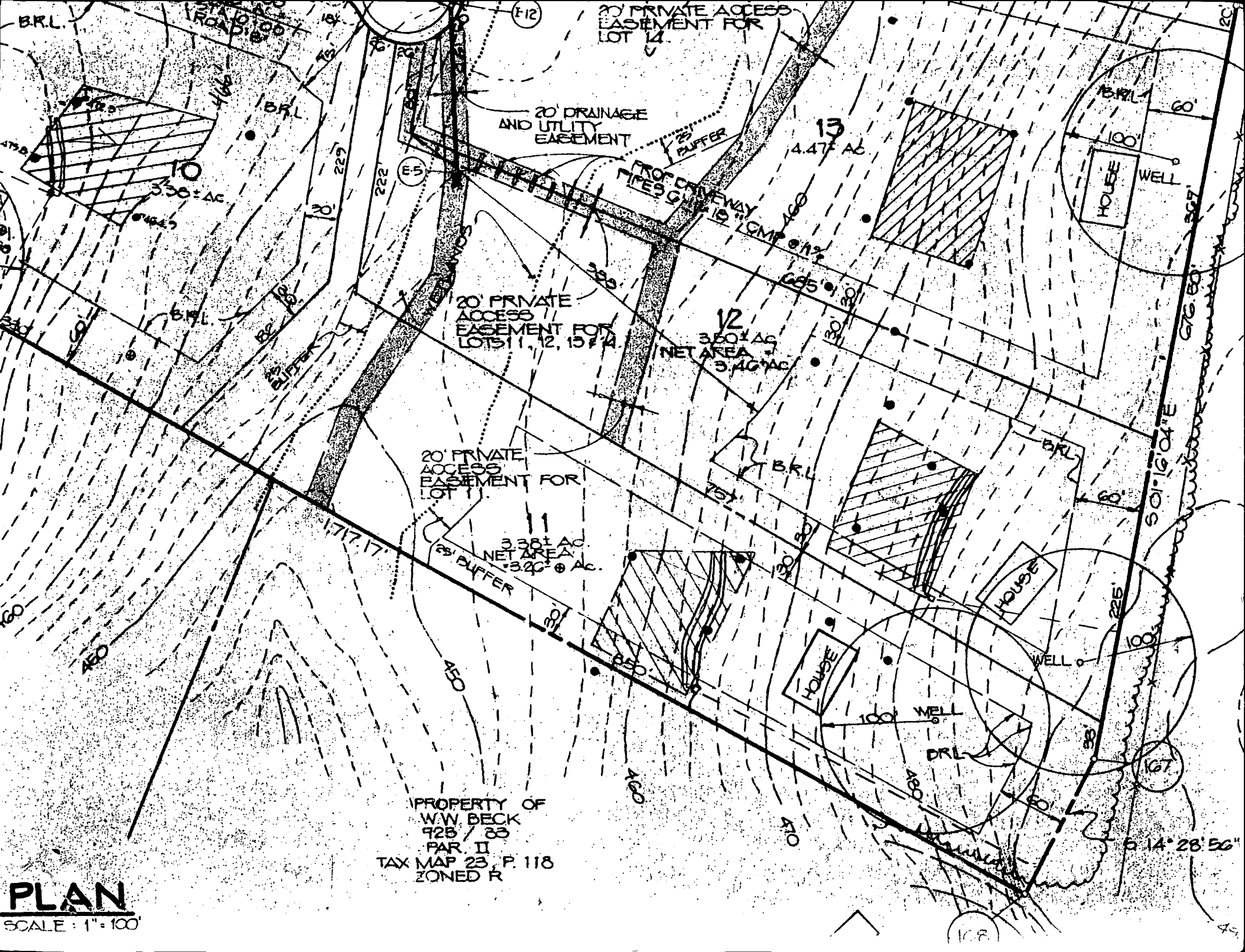
DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
6/9/88	F	VISUAL ONLY	(TO EXTEND + CONFIRM AREA ON LOW SIDE OF FIELD)					
		10 1/2' D	better		good soils		3 1/2'	
8/11/88	OLD 13M 14M	5 12	2:18	2:19	2:19	2:22	3 min	
	OLD 13L 14L	12	5	uniform soil below 3.5-4.0'				

REMARKS _____

TYPE OF SOIL _____

TESTED BY BW York

ALSO PRESENT Ferry, Mrs. C. H. Gager



20' PRIVATE ACCESS EASEMENT FOR LOT 14.

20' DRAINAGE AND UTILITY EASEMENT

20' PRIVATE ACCESS EASEMENT FOR LOTS 11, 12, 13 & 14.

20' PRIVATE ACCESS EASEMENT FOR LOT 11.

3.36± AC NET AREA
3.20± AC

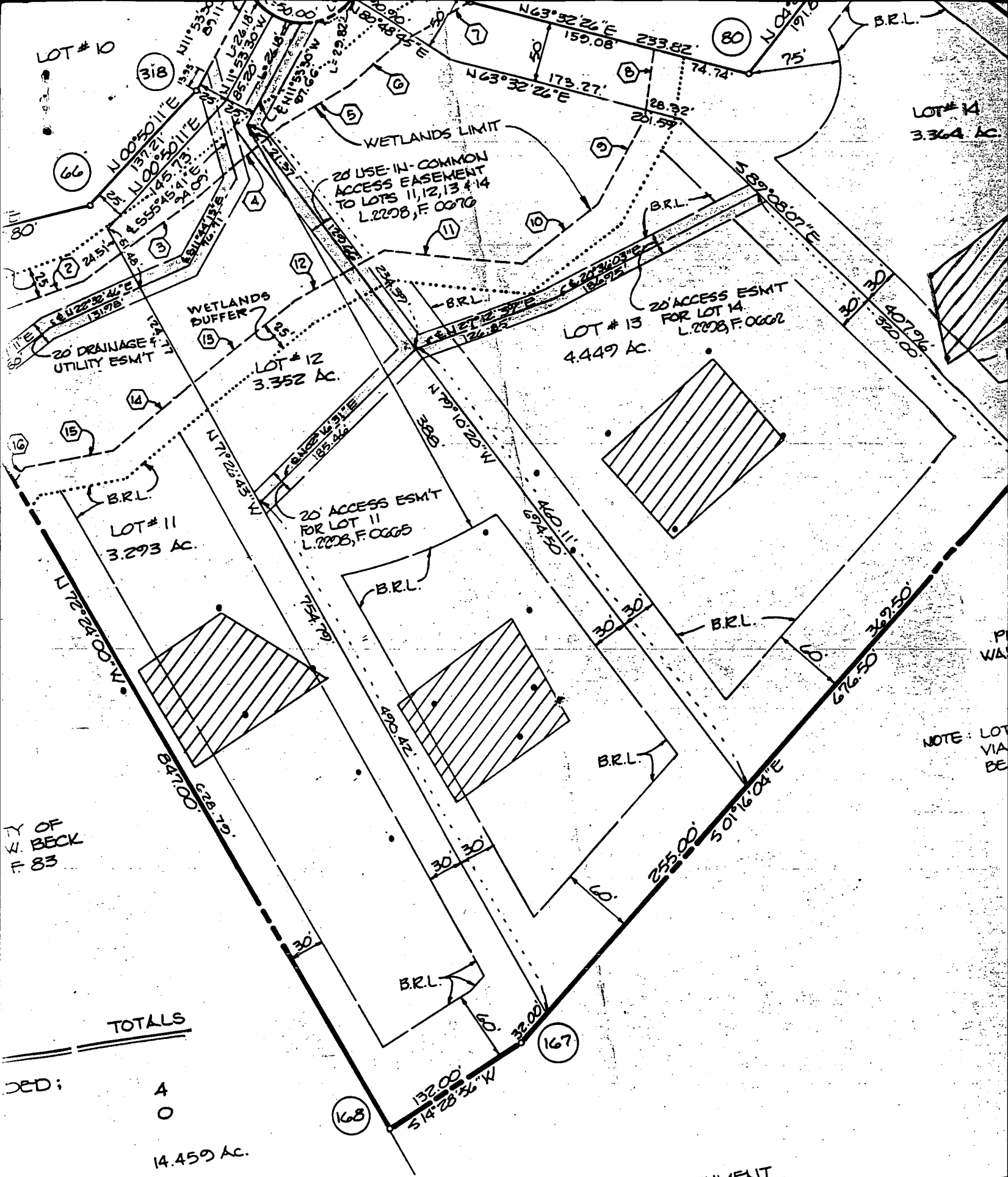
3.50± AC NET AREA
3.46± AC

13
4.47± AC

PROPERTY OF
W.W. BECK
928 / 83
PAR. II
TAX MAP 23, P. 118
ZONED R

PLAN
SCALE: 1" = 100'

6° 14' 28" 56"



NOTE: LOT VIA BE

OWNE

DIGI-DATA CORPORATION, A MARYLAN

AUTHORIZED AGENT, AND HAROLD V. TARBOX

APPROVED HEREON, HEREBY ADOPTS THIS

THIS FINAL PLAT BY