

8/13/01 Layout Orig. 10-11am

8/16/01
Continuing S.H.
Insp Thursday

8/15/01
Sand Mound Begin
10:00

10/24/01
Final
Grading Time?

PERMIT

SEWAGE DISPOSAL SYSTEM

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH

410-313-2640

05-434483

P 515 975

A 56497

ISSUE DATE 8/7/2001

APPROVAL DATE 10/24/01

Andrew + Sons
cell #5
6615
6616

INDEXED

(owner) Carleton J Berry

IS PERMITTED TO INSTALL ☒ ALTER ☐

ADDRESS 409 Laurel Ave, Laurel, MD 20707

PHONE 301-953-9196

SUBDIVISION Edwards LOT NUMBER 1 ADDRESS 6625 Mink Hollow Road

PROPERTY OWNER Jinarain Indranie PROPERTY OWNER'S ADDRESS 700 Fifth Street, 20707

SEPTIC TANK CAPACITY 1500 GALLONS

PUMP CHAMBER CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

SQUARE FEET PER BEDROOM N/A

LINEAR FEET OF TRENCH REQUIRED N/A

TRENCHES: N/A Trenches to be feet wide. Inlet feet below original grade. Bottom maximum depth feet below original grade. feet of stone below distribution box.

LOCATION: SAND MOUND SEPTIC SYSTEM ONLY (Alternative design)

See approved sand mound design plans for system specifications.

System requires a Control Box for pump test since it's an alternative (F&A) type sand mound. This should have been included in supplemental spec sheets with S.H. Plan but engineer forgot when including other things and split reviewers missed it. It is required in regulations 8/8/15/01

PLANS APPROVED Amy McMillen DATE 4/6/2001

PERMIT VOID AFTER 2 YEARS

NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS

NOTE: TOP OF SEPTIC TANKS ARE TO BE NO DEEPER THAN 3.0 FEET BELOW FINISH GRADE

NOTE: WATERTIGHT SEPTIC TANKS REQUIRED

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

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

NOTE: NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH UNLESS SPECIFICALLY AUTHORIZED

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

NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

NOTE: IF PUMPED SEPTIC SYSTEM REQUIRED, (1) SEPTIC PUMP DETAIL TO BE PROVIDED BY INSTALLER PRIOR TO ISSUANCE OF SEPTIC PERMIT (2) PUMP PERFORMANCE TEST IS NECESSARY PRIOR TO HEALTH DEPARTMENT APPROVAL OF SEPTIC PERMIT

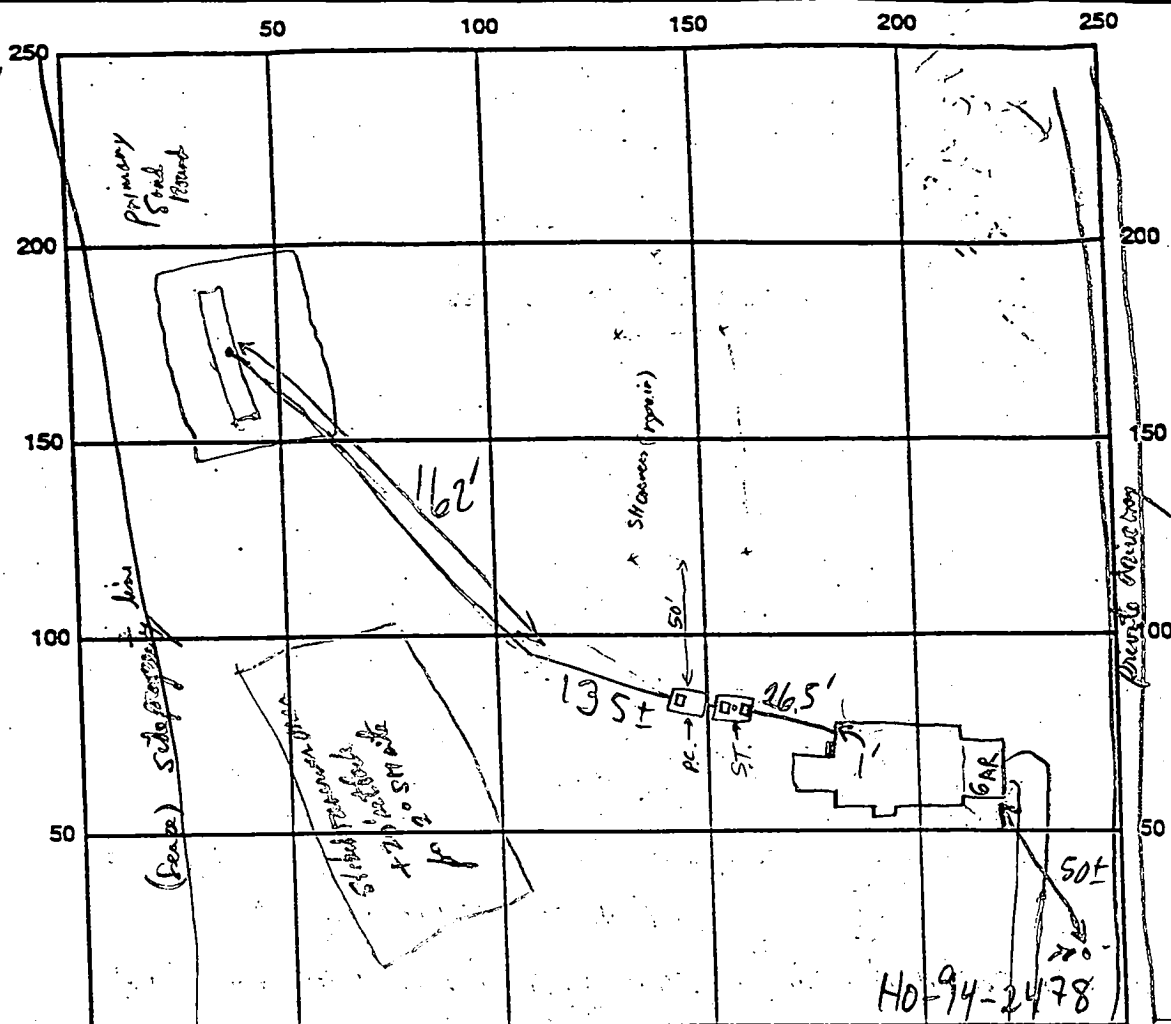
NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM

PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

CALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

OLD PERMIT
AND RETURNED
300133358
DECK 46x21'6

456497



4000-
Williams
Exn

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

Alarm -
Control Box -

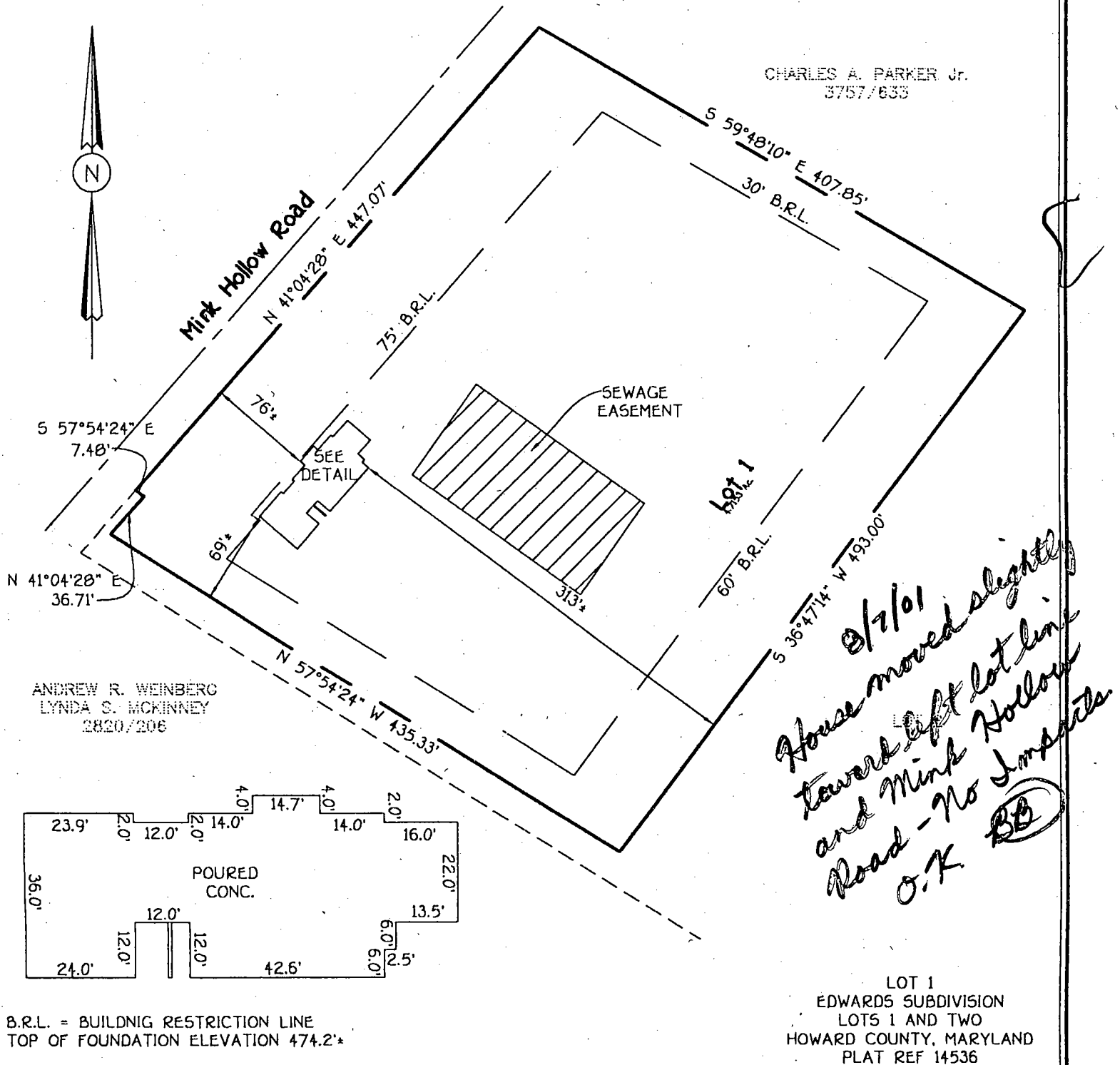
Pump Chamber - 1500 gal T.S. (Sandy) Tank (Note: Sand Tanks are 70" inside top to bottom - 57" to outlet in front)
SEPTIC TANK LEVEL 1500 T.S. 2 chambered (Sandy) Tank
CLEANOUTS

REMARKS: 8/13/01 Sand mounds staked. Tanks may be 6"-12" deeper than 3' - O.K. (BB) Sand being delivered - Heavy Dump Trucks (14+18 wheels) were driving over. Announced of sand mound as well as one of the repair areas. I gave instructions & had them correctly stake off this repair area. Placing of ST, OK, OK to use Tread (if Tread) Backhoe to place sand from side of gravel area. Small trucked Tractor to be delivered shortly from another site. Gray bottled oil placed soil horizon @ S.T./P.C. Site begin @ 5'-6' below original soil. S.T. & P.C. Set, OK to cover to prevent floating ("T" baffle is already installed @ center wall). Squatters set in ground with hatched seal. Type - Therefore water tight seals adjacent to surface. 8/19/01 PIP Soil/Water 60% covered & Supply line installed OK to cover ST+PC + Supply line. 8/15/01 8/16/01 SAND COMPLETE, WAITING FOR GRAVEL HOUSE CONN OK (MR) 8-17-01 OK TO COVER WATER LINE (K6) 8-22-01 Patch around electrical line entering tank. Pump test - OK Lateral layout open, proper distribution & flow (K6/RP) Med finalizing when ST. Sealed. 10/24/01 Sand mound 13 gravel covered (SR) SRN

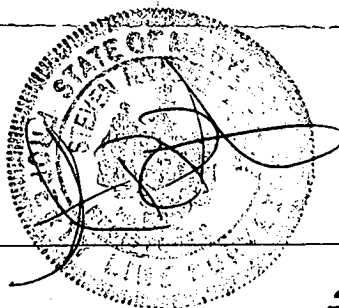
DATE SYSTEM APPROVED 10/24/01 INSPECTOR Steven R. Krieg

GENERAL NOTES:

- 1) THIS PLAT IS PREPARED FOR THE BENEFIT OF THE CLIENT SIGNING THE HOUSE LOCATION SURVEY APPROVAL FORM INsofar AS IT IS REQUIRED BY A LENDER OR TITLE INSURANCE COMPANY OR ITS AGENTS IN CONNECTION WITH THE CONTEMPLATED TRANSFER, FINANCING OR RE-FINANCING. UNLESS INDICATED AS BEING A BOUNDARY SURVEY, THIS PLAT IS NOT INTENDED FOR USE IN THE ESTABLISHMENT OF PROPERTY LINES AND IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATIONS OF FENCES, GARAGES, BUILDINGS OR OTHER EXISTING OR FUTURE IMPROVEMENTS. AS A RESULT, THIS PLAT DOES NOT PROVIDE FOR ACCURATE IDENTIFICATION OF PROPERTY LINE, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING OR RE-FINANCING.
- 2) SUBJECT PROPERTY IS SHOWN IN ZONE C ON THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP OF HOWARD COUNTY, MARYLAND, COMMUNITY PANEL No. 240044 0032 B, EFFECTIVE DATE: DEC. 1, 1986.
- 3) THE OFFSETS FROM BUILDING LINE TO PROPERTY LINE AS SHOWN ON THE PLAT HEREON ARE TO AN ACCURACY OF 1' PLUS OR MINUS (±).
- 4) NO TITLE REPORT FURNISHED, SUBJECT TO ALL EASEMENTS AND CONDITIONS OF RECORD.



FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21042
(410) 461-2855



PROFESSIONAL LAND SURVEYOR DATE
REG. 582

HOUSE LOCATION DRAWING

FOUNDATION LOCATION: 5/01/01
FINAL LOCATION: _____
BOUNDARY SURVEY: _____

SCALE: 1"=100'
DATE: 5/02/01
DRAWN BY: A.K.O.
CHECKED BY: S.R.P.
PROJECT No.: 51609

<u>ENGINEER'S CERTIFICATE</u>	
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 DEVELOPER _____	DATE _____
<u>DEVELOPER'S CERTIFICATE</u>	
"I AM CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT 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."	
SIGNATURE OF DEVELOPER _____	DATE _____
REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.	
U.S.D.A. NATURAL RESOURCES CONSERVATION SERVICE _____	DATE _____
THIS DEVELOPMENT IS APPROVED FOR SOIL, EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.	
APPROVED _____	
HOWARD SOIL CONSERVATION DISTRICT _____	DATE _____

A. WORKSHEET OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION BEFORE ANY CONSTRUCTION OR EXCAVATION BEGINS.

B. ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION'S CURRENTLY APPLICABLE CONFORMANCE WITH THE MOST CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, AND REVISIONS THEREOF.

C. FOLLOWING PRACTICES, SOIL DISTURBANCES, OR UTILITIES ARE NOT TO BE PERMITTED OR TEMPORARILY STABILIZATION SHALL BE COMPLETED WITHIN: a. 7 CALENDAR DAYS FOR ALL DISTURBANCES OR UTILITIES LESS THAN 10 FEET DEEP, THIRTY FEET WIDE AND ALL SLOPES STEEPER THAN 3:1; b. 14 DAYS FOR ALL DISTURBANCES OR UTILITIES GREATER THAN 10 FEET DEEP, THIRTY FEET WIDE, AND ALL SLOPES STEEPER THAN 3:1; c. 30 DAYS FOR ALL DISTURBANCES OR UTILITIES GREATER THAN 10 FEET DEEP, THIRTY FEET WIDE, AND ALL SLOPES STEEPER THAN 3:1.

D. TEMPORARY STABILIZATION SHALL BE PERFORMED AND MAINTAINED FOR THE ENTIRE DURATION OF THE CONSTRUCTION PROJECT.

E. EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT THE CONSTRUCTION OF THE PROJECT.

F. CHAPTER 56 OF THE HOWARD COUNTY DESIGN MANUAL, STANDARD DRAINAGE DESIGN, SHALL BE FOLLOWED FOR ALL DRAINAGE DESIGN.

G. ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE SPECIFIED TIME FRAME IN ACCORDANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.

H. TEMPORARILY STABILIZED AREAS SHALL BE MAINTAINED TO PREVENT SOIL EROSION AND SLIDING, INCLUDING SOIL, TEMPORARILY STABILIZATION WITH MULCH OR ALFALFA CAN ONLY BE DONE WHEN REPAIRS ARE NOT REQUIRED AND DO NOT ALLOW FOR PERMANENT DEGRADATION AND ESTABLISHMENT OF GRASSES.

I. ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION THROUGHOUT THE PROJECT. AFTER THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL DIVISION, INSPECTOR.

J. SITE ANALYSIS

4.1153

ACRES

TOTAL AREA OF SITE

0.43

ACRES

AREA DESTROYED

0.43

ACRES

AREA TO BE REEDED OR PAVED

0.43

ACRES

AREA TO BE VEGETATIVELY STABILIZED

0.43

ACRES

TOTAL CUT

0.43

CUTS

TOTAL FILL

0.00

FILLS

OFFSITE STORMWATER/SEWAGE LOCATION

0.00

CUTS

K. ANY SEDIMENT CONTROL STRUCTURES OR UTILITIES TO BE REMOVED DURING THE CONSTRUCTION OF THE PROJECT MUST BE REPAIRED ON THE SAME DAY OF DESTRUCTION.

L. ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL DIVISION, INSPECTOR.

M. ON COMPLETION OF INSTALLATION OF ALL SEDIMENT CONTROL STRUCTURES, AN APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF ALL SEDIMENT CONTROL STRUCTURES, BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCES OR CONSTRUCTION OF THE PROJECT.

N. ALL SEDIMENT CONTROL APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS OBTAINED.

O. TECHNIQUES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH SHALL BE BACK-FILLED AND STABILIZED WITH ONE (1) DAY DRAINAGE.

1. OBTAIN GRADING PERMIT.
2. INSTALL SEDIMENT CONTROLS AS SHOWN ON PLAN. (1 day)
3. PERFORM NECESSARY GRADING AND STABILIZE THE SITE. (2 days)
4. CONSTRUCT DWELLING ON SITE. (90 days)
5. AFTER THE SITE IS STABILIZED AND PERMISSION IS GRANTED FROM THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROLS AND STABILIZE ANY REMAINING DISTURBED AREAS.

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.

APPLY 600 LBS. PER ACRE 10-10-10 FERTILIZER GR 145/1000 SQ. FT.)

WEEDING

FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 15 THROUGH NOVEMBER 15, SEED WITH 1 1/2 BUSHEL PER ANNUAL RYE (32 LBS./1000 SQ.FT.)FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS./ACRE OF WEEDING LOVEGRASS (07 LBS/1000SQ.FT.) FOR THE PERIOD NOVEMBER 16 THRU FEBRUARY 28, PROTECT SOIL BY APPLYING 2 TONS PER ACRE OF WELL-ANCHORED STRAW MULCH AND 500 LBS. PER ACRE OF THE SPRING OR LIME.

APPLY 1 1/2" TO 2" LIMS PER ACRE (100 LBS) OF UNWETTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL, OR 210 GALLONS PER ACRE (5 GAL/1,000 SQ FT) OF EMULSIFIED ASPHALT ON FLAT ACRES, ON SLOPES 6 FEET OR HIGHER, USE 340 GALLONS PER ACRE (8 GAL/1,000 SQ FT) FOR ANCHORING.

REFER TO THE 1986 MARYLAND STANDARDS AND SPECIFICATION FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

ALL DISTURBED AREAS SHALL BE STABILIZED AS FOLLOWS:

SEEDING POWDERATION:

SOIL AMENDMENTS:
APPLY TWO TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS./1,000 SQ.FT.) AND 600 LBS. PER ACRE 0-20-20 FERTILIZER (14 LBS./1,000 SQ.FT.) BEFORE SEEDING HARROW OR DISC INTO TOPPER THREE INCHES OF SOIL AT TIME OF SEEDING.
APPLY 400 LBS. PER ACRE 30-0-0 UREAFORM FERTILIZER (9 LBS./1,000 SQ.FT.) AND 500 LBS. PER ACRE 015 LBS./1,000 SQ.FT.) OF 10-20-20 FERTILIZER.

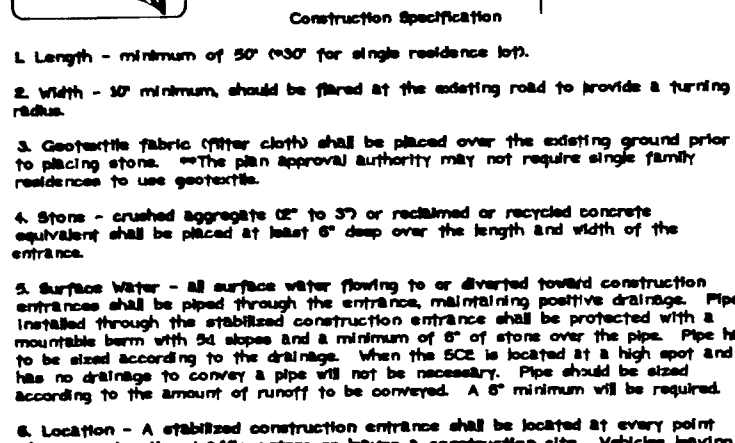
1 THROUGH OCTOBER 15, SEED WITH 100 LBS. PER ACRE (2.3 LBS./1000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE, FOR THE PERIOD MAY 1 THROUGH MAY 15, SEED WITH 80 LBS./ACRE (2 LBS./1000 SQ.FT.) KENTUCKY 31 TALL FESCUE AND 2 LBS. PER ACRE (0.05 LBS./1000 SQ.FT.) OF WEEPER. OVERGRASS, DURING THE PERIOD OF OCTOBER 15 THROUGH FEBRUARY 20, PROJECT SITE BY: OPTION (D) - TWO TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE. IN THE SLOPE OF 20 - 15:1, BY: OPTION (D) SEED WITH 100 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH TWO TONS/ACRE WELL ANCHORED STRAW. ALL SLOPES SHOULD

APPLY 1 1/2 TO 2 TONS PER ACRE GO TO 90 LBS./1,000 SQ.FT.)
OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING.
ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING 200
GALLONS PER ACRE (3 GAL./1,000 SQ.FT.) OF EMULSIFIED
ASPHALT ON FLAT ACRES, ON SLOPES 8 FEET OR HIGHER USE
340 GALLONS PER ACRE (3.4 GAL./1,000 SQ.FT.) FOR ANCHORING.

- * FOR PUBLIC PONDS SUBSTITUTE CHENUNG CROWNVETCH AT 15 LBS./ACRE AND KENTUCKY 31 TALL FESCUE AT 40 LBS./ACRE AS THE SEEDING REQUIREMENT. OPTIMUM SEEDING DATE FOR THIS

TOPSOIL SHALL BE A LOAM, SANDY LOAM, CLAY LOAM, SILT LOAM, SANDY CLAY OR OTHER SOILS MAY BE USED IF RECOMMENDED BY AN AGRONOMIST OR SOIL SCIENTIST. APPROPRIATE APPROVAL AUTHORITY. REGARDLESS, TOPSOIL SHALL NOT BE A MIXTURE OF TEXTURE SUBSOILS AND SHALL CONTAIN LESS THAN 5 % BY VOLUME OF CINDEHS, FRAGMENTS, GRAVEL, STICKS, ROOTS TRASH, OR OTHER MATERIALS LARGER THAN

WHERE THE TOPSOIL IS EITHER HEAVY ACIDIC OR COMPOSED OF HEAVY CLAYS, GROSS SPREAD AT THE RATE OF 4-8 TONS/ACRE (200-400 POUNDS PER 1,000 SQUARE FEET) OF TOPSOIL LIME SHALL BE DISTRIBUTED UNIFORMLY OVER DESIGNATED AREAS IN CONJUNCTION WITH TILLAGE OPERATIONS AS DESCRIBED IN THE FOLLOWING PRE-



STABILIZED CONSTRUCTION ENTRANCE - 2

NOT TO SCALE



(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.

for Geotextile Class F:		
Tensile Strength	50 lbs/in (min.)	Test: MSMT 509

3. Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment losses.

búrges occur or when sediment accumulation reached 50% of the fabric height.

NOT TO SCALE



3. Top Width May Be Wider And Side Slopes May Be Flatter If Desired To Facilitate Crossing By Construction Traffic

5. Earth Dikes Shall Have An Outlet That Functions With A Minimum Of Erosion. Runoff Shall Be Conveyed To A Sediment Basin Where Either The

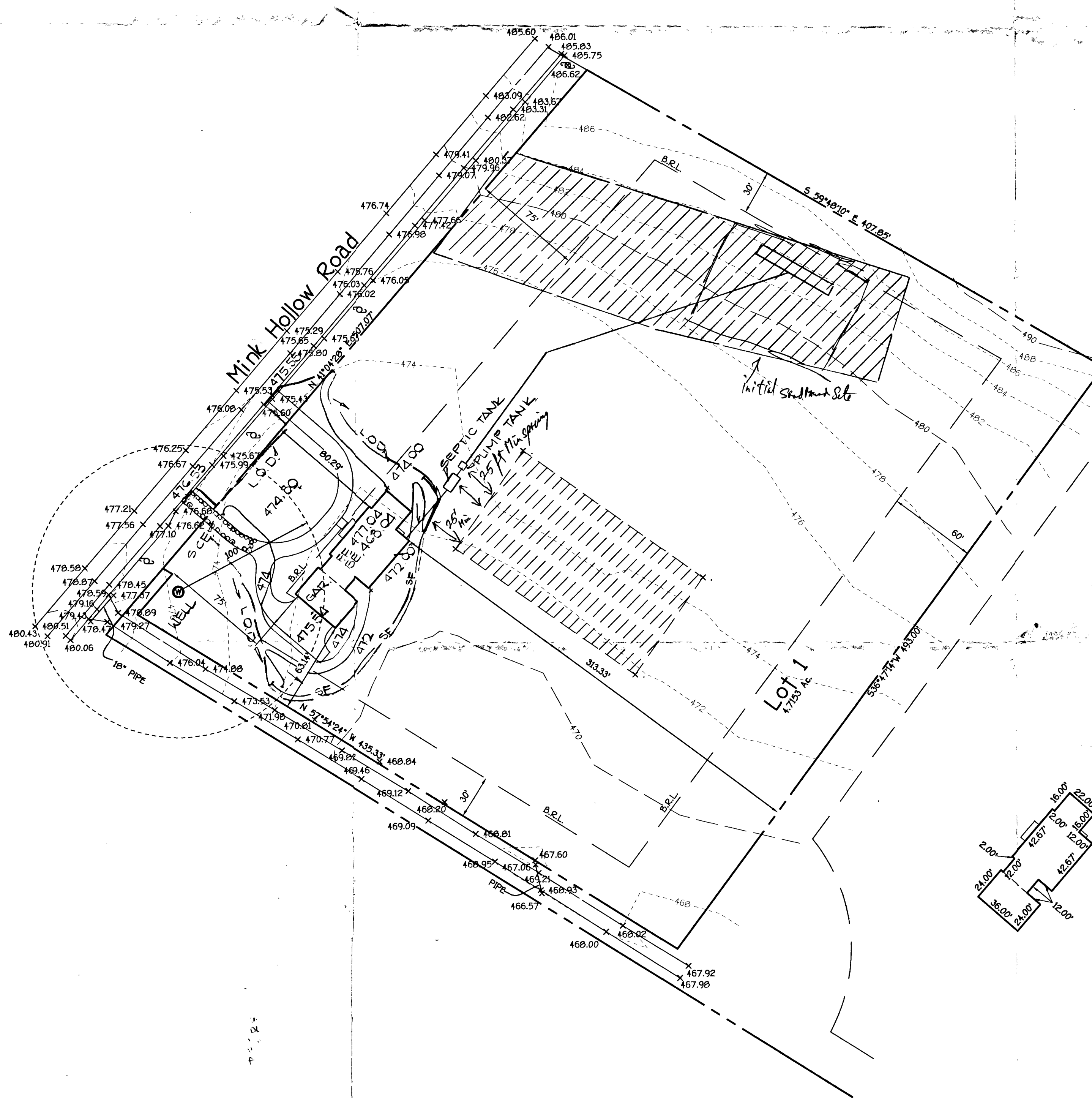
Stabilization Shall Be: (A) In Accordance With Standard Specifications For Seed And Straw Mulch Or Straw Mulch If Not In Seeding Season, (B) Flow

TYPE OF	CHANNEL	SIZE A	SIZE B
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EARTH OKE

NOT TO SCALE

WASH SAND
D APPROVED BY THE
OF CONTRASTING



1. SEPTIC ESCAPEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT
No.
PROPOSED 1900 GALLON SEPTIC TANK 477.00
FIRST FLOOR PLUMBING 468.00
2. BASEMENT VENTILATION 475.00
3. REMOVAL OF SEPTIC TANK AT HOUSE 480.00
4. INVERT IN AT SEPTIC TANK 480.00
5. INVERT OUT AT SEPTIC TANK 480.00
6. REVERSE GRADE 480.00
7. INVERT AT DISTRIBUTION BOX 476.00
8. LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT
9. CONTRACTOR / BUILDER TO VERIFY ELEVATIONS IN FIELD BEFORE BEGINNING ANY CONSTRUCTION.
10. THERE IS NO BASEMENT SERVICE TO SEPTIC SYSTEM.

This is for Sand Bound type septic system only
Refer to Sand Bound Design Plans by J. Chase (S/E Engineering) d/p 4/14/01

Disregard Septic Detail on this plan
except for Septic Tank P.C. location.
Tank to be no deeper than 1 ft below original
grade where shown. RPP 4/16/01 (Massena
specimen)

Approved Septic System Plan
Howard County Health Department

Andy W. Miller 4/6/01
Signature Date

PLAN TO BE ACCOMPANY APPLICATION FOR
BUILDING PERMIT
EDWARDS SUBDIVISION
LOT 1

h ELECTION DISTRICT HOWARD COUNTY MARYLAND
TAX MAP 34 GRID PARCEL 202
SCALE AS SHOWN DATE FEBURARY 2001

* Plan # BP00128505 approved & released contingent upon approved sand mound septic construction plans.

FROM : HoCo EnvHealth

FAX NO. : 4183132648

Aug. 16 2001 03:04PM P1

**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: DAVID SCOTT WOOD Telephone #: 717-338-9390
Address: 25 SCHWARTZ RD
GETTYSBURG, PA 17325

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer

License # and name of individual responsible for the field installation:

Name (Print): DAVID SCOTT WOOD License# MPL07009

*A licensed individual must perform the actual installation. Apprentices must be under the supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification. Unlicensed individuals may be reported to the appropriate licensing agency.

Name of Property Owner: CARLTON BERRY Telephone #: 301-953-9196
Subdivision: EDWARDS SUBDIV. Lot #: 1 Well Tag #: HO-44-2478
Site Address: 6625 MINK HOLLOW RD.
HIGHLAND, MD 20777

Submersible Pump Data

Make: JACUZZI
Model #: 275H01A-52
Pump Capacity: 7 GPM
Well Yield: 7.75 GPM

Pitless Adapter

Make: BRASS BRASSBY
Model #: PT 200
Depth: 48" (36" min)
NSF/WSC approved:

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: 226 (feet)

If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4

Torque wrench Cable guards or other acceptable method used- Must circle one

Safety rope, if used, attached to brass rope adapter or other acceptable method inside of well casing ✓

Piping to house

Type: 160" POLY
PSI: 160 (160 psi min)
Depth of supply line: 49 (36" min)

House Connection

PVC sleeve to undisturbed soil at wall penetration: ✓
Approximate length of sleeve: 5'
Sleeve caulked and sealed properly: ✓

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: Scott Wood

date: 8/17/01

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

Date Insp. Requested: 8/17/01 Date Insp. Approved: 8/17/01 Inspector: (KG) SRK

Inspection Data: Pitless adapter watertight & 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 not seen outside of well cap/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		07508		SEQUENCE NO. (MDE USE ONLY)		STATE OF MARYLAND WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE TYPE				THIS REPORT MUST BE SUBMITTED AFTER WELL IS COMPLETED.			
1 2 3 6										COUNTY NUMBER A 56499			
ST/CO USE ONLY DATE Received 11 07 99		DATE WELL COMPLETED 10 28 99		Depth of Well 22 220' 26 (TO NEAREST FOOT)		PERMIT NO. FROM "PERMIT TO DRILL WELL" H0-94-2478				28 29 30 31 32 33 34 35 36 37			
OWNER last name Edwards		first name Howard		STREET OR RFD Mink Hollow Rd		TOWN Highland		SUBDIVISION Edward's (Former Canby) Property		SECTION		LOT 5	
WELL LOG Not required for driven wells				GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box) yes ☒ Y no ☐ N TYPE OF GROUTING MATERIAL (Circle one) CEMENT ☒ CM BENTONITE CLAY ☐ BC NO. OF BAGS 45 46 15 NO. OF POUNDS 45 46 1410 GALLONS OF WATER 90 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 35 ft. (enter 0 if from surface)				PUMPING TEST HOURS PUMPED (nearest hour) 3 8 9 PUMPING RATE (gal. per min.) 7.5 11 15 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 28 ft. 17 20 WHEN PUMPING 125 ft. 22 25 TYPE OF PUMP USED (for test) ☐ A air ☐ P piston ☐ T turbine ☐ C centrifugal ☐ R rotary ☐ O other (describe below) ☐ J jet ☒ S submersible					
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING				CASING RECORD casing types insert appropriate code below MAIN CASING TYPE ST Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 40 60 61 63 64 66 70 OTHER CASING (if used) diameter inch depth (feet) from to E A C H I N G				PUMP INSTALLED DRILLER INSTALLED 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) 29 IN BOX 29 CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35 PUMP HORSE POWER 37 41 PUMP COLUMN LENGTH (nearest ft.) 43 47					
DESCRIPTION (Use additional sheets if needed)				SCREEN RECORD screen type or open hole insert appropriate code below ST BR HO STEEL BRASS OPEN HOLE PL PL OT PLASTIC OTHER				C 2 DEPTH (nearest ft.) 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100					
NUMBER OF UNSUCCESSFUL WELLS: 0				WELL HYDROFRACTURED yes ☐ Y no ☒ N				C 3 CASING HEIGHT (circle appropriate box and enter casing height) + above - below LAND SURFACE 2 (nearest foot) 50 51					
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.				LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURES AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)					
DRILLERS LIC. NO. MS DO 24 DRILLERS SIGNATURE Joseph L. Mayne (MUST MATCH SIGNATURE ON APPLICATION)				GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68				Mink Hollow Rd					
LIC. NO. D				MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q									
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)				TELESCOPE CASING LOG INDICATOR OTHER DATA									

Well Permit No. HO - 94-2478
Location of property (road) Mink Hollow Rd
Subdivision Edwards Property (Former Cnby) Lot 5 Block Plat Sec.
Well Driller J. Wayne Owner Howard Edwards

Depth of well _____
Distance of measuring point (M.P.) above ground _____
Static water level (S.W.L.) below M.P. _____

Time pump started _____ Pumping rate _____
Total time _____ to reach pumping water level _____ ft. below M.P.

[illegible]

Well Permit No. HO - 94-2478
Location of property (road) Mink Hollow Rd.
Subdivision Edwards (Former Casky) Prop. Lot 5 Block Plat Sec.
Well Driller Joseph Mayne Owner Howard Edwards

Depth of well 220'
Distance of measuring point (M.P.) above ground 2
Static water level (S.W.L.) below M.P. 28'

Time pump started. 7:30 Pumping rate 15 gpm
Total time 15 min. to reach pumping water level 125 ft. below M.P.

[illegible]

B 1		14364		SEQUENCE NO. (MDE USE ONLY)		STATE OF MARYLAND PERMIT TO DRILL WELL please print or type		STATE PERMIT NUMBER 70 79 fill in this form completely	
Date Received (APA) 10/11/99				OWNER INFORMATION				B 3 LOCATION OF WELL	
8 MM DD YY 13 Edwards Howard				8 COUNTY (Edward's Property)				21	
15 Last Name Owner First Name 34 6645 Mink Hollow Rd.				23 SUBDIVISION				42	
36 Street or RFD 55 Highland Md. 20777				SECTION LOT 5				44 46 48 50	
57 Town 70 State 72 Zip 76				52 NEAREST TOWN Highland				71	
DRILLER INFORMATION				MILES FROM TOWN (enter 0 if in town) 3 MI				73 76 77 78	
Driller's Name License No. 81 Joseph L. Magner MS D 24				B 4				1 2	
Firm Name Joseph L. Magner Well Drilling				DIRECTION OF WELL FROM TOWN (CIRCLE BOX)				11 NEAR WHAT ROAD Mink Hollow Rd.	
Address 5512 Ridge Rd. Vt. Ariz Md 21771				ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)				30	
Signature Date Joseph L. Magner 9/30/99				TOWN				34 37	
B 2 WELL INFORMATION				DISTANCE FROM ROAD 65 FT				38 39	
1 2 APPROX. PUMPING RATE 5 (GAL. PER MIN.)				ENTER FT OR MI				TAX MAP: 34 BLK: 21 PARCEL 282	
AVERAGE DAILY QUANTITY NEEDED 5.00 (GAL. PER DAY)				USE FOR WATER (CIRCLE APPROPRIATE BOX)				NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL	
22 ☒ DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION				Howard A 56497				COUNTY NAME COUNTY NO.	
☐ FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)				STATE SIGNATURE INSERT S →				DATE ISSUED 10/26/99 10/26/00	
☐ INDUSTRIAL, COMMERCIAL, DEWATERING				DATE ISSUED 10/26/99 10/26/00				CO SIGNATURE EXP. DATE	
☐ PUBLIC WATER SUPPLY WELL				NORTH GRID 494 000				EAST GRID 0806 000	
☐ TEST, OBSERVATION, MONITORING				SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X				SOURCES OF DRILLING WATER	
☐ GEO-THERMAL				1. well				2.	
APPROXIMATE DEPTH OF WELL 280 FEET				3.				WRITE THE BOX NUMBER FROM THE MAP HERE	
APPROXIMATE DIAMETER OF WELL 6 INCH				E 8086				N 4924	
METHOD OF DRILLING (circle one)				DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION					
BORED (or Augered) JETTED Jetted & DRIVEN									
30 AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)									
37 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									
39 ☐ 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									
Not to be filled in by driller (MDE OR COUNTY USE ONLY)									
APPROX. PERMIT NUMBER 54									
PERMIT No. HO-94-2478									
SPECIAL CONDITIONS									
NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED -									



HOWARD COUNTY HEALTH DEPARTMENT

Diane L. Matuszak, M.D., M.P.H., County Health Officer

April 17, 2001

Sanitary/ Environmental Eng., Inc.
Consulting Engineers
1414 Washington Road
Westminster, Maryland 21157

RE: Lot 1 Edwards Subdivision
Mink Hollow Rd.
Sand Mound Design Plans

Dear Mr. Clise,

I've reviewed your plans. The following suggestions:

- all changes OK 5/16/01*
- ✓ 1. Please show septic tank and pump chamber at least 25 ft. from any sand mound area to prevent soil disturbance, compaction in downslope area of sand mound (sideslopes also).
 - ✓ 2. The inside dimensions of the pump chamber (i.e. the water level below the inlet invert) call for a larger tank. Specify 1250 gal or larger in plan.
 - ✓ 3. Our testing records show very high seasonal water tables in the drainage way where the pump chamber and septic tank are proposed to be sited (on this plan and Building Permit Plan). Therefore, the inlet/outlet pipe invert should be set No Deeper than 12 inches below original grade and the risers and cleanout pipes sealed to the tank lids to prevent groundwater/surface water infiltration into the septic tank and pump chamber. Please adjust the hydraulic profile accordingly.
 4. One matter which I will not request any changes on this time, but for future information. Since this is an alternative sand mound, designed for 60-120 min/ inch infiltrometer percolation rates, the linear loading rates should have been kept equal to or less than 6 qpd/linear foot of gravel trench length (i.e. 100' long by 6' wide gravel bed). However, in this case I believe there would be no adverse affects to using your current design and it has the added value of better accommodating widening of Mink Hollow Road, which was of concern on the record plat. Everything else is acceptable. If you have any other questions, please call me at 410-313-2640.

Respectfully yours,

Ronald J. Finkley, R.S.
Water and Sewer Program

cc: file

SANITARY/ENVIRONMENTAL ENG., INC.

Consulting Engineers
1414 Washington Road
WESTMINSTER, MARYLAND 21157

(410) 876-7740
FAX (410) 840-9924

TO HOWARD Co. HEALTH DEPT.
ENVIRONMENTAL HEALTH
3525 H ELLICOTT MILLS DRIVE
ELLICOTT CITY, MD 21043

LETTER OF TRANSMITTAL

DATE <u>4/30/01</u>	JOB NO.
ATTENTION <u>RON PINKLEY</u>	
RE: <u>LOT 1 EDWARDS SUBDIVISION</u> <u>MINK HOLLOW RD.</u>	
<u>SAND MOUND</u>	

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via _____ the following items:

- ☐ Shop drawings ☒ Prints ☐ Plans ☐ Samples ☐ Specifications
☐ Copy of letter ☐ Change order ☐ _____

COPIES	DATE	NO.	DESCRIPTION
<u>2</u>			<u>PRINTS - PLANS + SPECIFICATIONS</u>
<u>2</u>			<u>CONSTRUCTION PROCEDURES</u>

Plan is acceptable! App 5/4/01
Revised off copies of ST Plans (E correction a.s.t.)
to give to Mr. Savard App 5/29/01

THESE ARE TRANSMITTED as checked below:

- ☐ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval
☐ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution
☐ As requested ☐ Returned for corrections ☐ Return _____ corrected prints
☐ For review and comment ☐ _____
☐ FOR BIDS DUE _____ 19 _____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS RON - The changes to this design, based upon
conditions you noted on the lot, have been made.

Tanks have been raised to a lowest invert elevation
of 470.75. Tanks have been moved away from the
resave space. All elevations have been changed
to reflect these changes. TDH has been adjusted
in the specifications, however, this does not affect
the recommended pump.

COPY TO file

Keith Fralic
Carlton Barry

SIGNED: Jim Clark

If enclosures are not as noted, kindly notify us at once.



HOWARD COUNTY HEALTH DEPARTMENT

Diane L. Matuszak, M.D., M.P.H., County Health Officer

FAX

Date: 4/5/01

To: Keith Fralick

From: Amy McMillen

Phone: _____

Pages: @ 4

Re: Edmond S/D Lot 1

cc: _____

Mink Hollow Road - sand mound course - Although aimed at contractors - They go through the whole design process

Comments:

Please revise your building permit plan to match the attached sandmound septic system layout. In addition the septic tank, ~~and~~ pump chamber & LOTS need to be moved at least 25' from reserve sandmound site. The sand mound plan septic tank & pump chamber site will be revised at a later date.

Thank you,

Bureau of Environmental Health

3525-H Ellicott Mills Drive • Ellicott City, Maryland 21043-4544

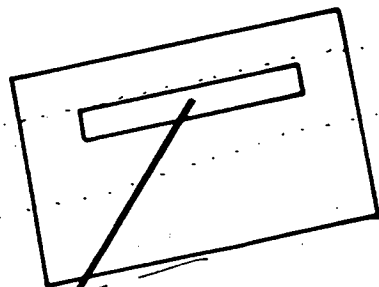
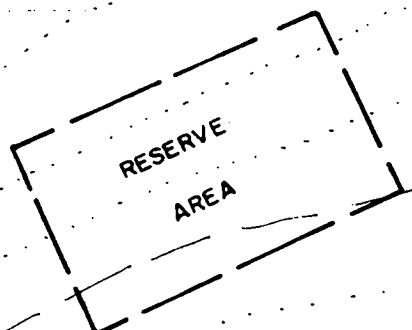
Water and Sewerage, Permits (410) 313-1771 Community Environmental Health Program (410) 313-1773

Director (410) 313-2640 TDD (410) 313-2323 TOLL FREE - 1-877-4MD-DHMH

490

Road

480

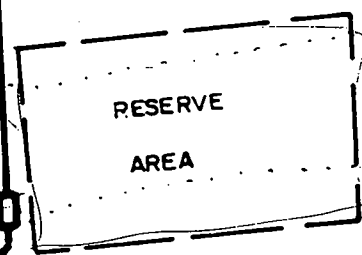


45°

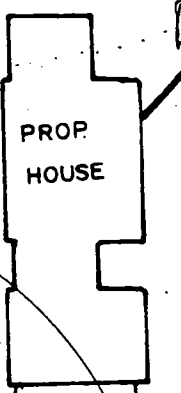
LOT
4.7153 AC

Hollow

PUMP
CHAMBER



SEPTIC TANK



WELL

TO SANITARY/ENVIRONMENTAL ENG., INC.

Consulting Engineers
1414 Washington Road
WESTMINSTER, MARYLAND 21157

Dear Mr. Clise:
I've reviewed your plan, the following
(410) 876-7740 suggested:
changes are FAX (410) 840-9924

4/17/01
Letter Draft

LETTER OF TRANSMITTAL

TO HOWARD COUNTY HEALTH DEPT. RE
ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE
ELLICOTT CITY, MD 21043-4544

DATE	3/14/01	JOB NO.
ATTENTION	RON PINKLEY	
RE:	LOT 1 EDWARDS SUBDIVISION MINK HOLLOW Rd. SANDMOUND Design Plans	

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via _____ the following items:

- ☐ Shop drawings ☒ Prints ☐ Plans ☐ Samples ☐ Specifications
☐ Copy of letter ☐ Change order ☐ _____

COPIES	DATE	NO.	DESCRIPTION
2			PRINTS - PLANS + SPECIFICATIONS
1			CALCULATIONS
1			One letter which I will not request any changes on this time, but for future information. Since this is an Alternative Sand Mound, Designed for 60-120 min/inch infiltration Percolation Rates, the linear Loading rates should have been kept equal to or less than 6 gpd/Linear Foot of gravel trench length (i.e. 100' long by 6' wide gravel bed). However, in this case I believe there would be no adverse effects to using your sparser design and it has the added value of better accommodating future widening of Mink Hollow Road, which was off concern on the record plan.

THESE ARE TRANSMITTED as checked below:

- ☒ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval
☐ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution
☐ As requested ☐ Returned for corrections ☐ Return _____ corrected prints
☐ For review and comment ☐ _____
☐ FOR BIDS DUE _____ 19 _____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS

1. Show Septic Tank & Pump Chamber at least 2.5 ft from Sand Mound Area to prevent soil disturbance, especially in down slope area of Sand Mound (Sideslopes also)
2. Indicate dimensions of Pump Chamber (15' x 15') and for a larger Tank. Specify 1250 gpd or larger in plan.
3. Our testing reports show very high seasonal water tables in the drainage area, where the pump chamber & septic tank are proposed to be sited (on this plan and Building Permit Plan). Therefore, the inlet/outlet port inverts should be set no deeper than 12 inches below original grade and the risers & cleanout pipes sealed to the tank lids to prevent groundwater surface water infiltration into the Septic Tank and Pump Chamber. Please adjust the Hydraulic Profile accordingly.

COPY TO Files

SIGNED:

Jim Clise

If enclosures are not as noted, kindly notify us at once.

5TING
17.4734
16.2844
77.5543
367.5941
375.4373
306.5434
84.9830
10.7139
443.8768

ZE TABULATION

ystem	Minimum Lot Size
2405 Ac	4.8970 Ac

F-01-18
Edwards Subdivision
Mink Hollow Rd

For Mylar

Show actual Sand Mound
Footprints as on paper copy

Mink Hollow Road
(Minor Collector)
(Ex. Variable Width RW)
(Future 60' RW)

N 554750
E 1318300

IBCF Ford Surveys
MD #9008

LOT 1
4.7153 AC.±

Sewage Disposal Easements
(For Sand Mounds Only)

Private Sewage Systems for Lot 1
Approved 9/10/97

(if Necessary
Move SDA slightly toward
rear of lot)

IBF In Conc
6.4' N & 42.2' E
of SW Endry Cor.
IBF In Conc
5.0' N & 40.8' E
of SW Endry Cor.

Now or Formerly
Andrew R. Weinberg
Lynda S. McKinney
2820/206

Property Article, Annotated Code of
as supplemented) as far as they relate to
1 of markers have been complied with.

9/13/00

Date

Sept. 13, 2000

E 1318300

HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Division of Land Development

DATE: 7-28-00

P&Z File No. F01-18

Department of Planning and Zoning

- ☒ Transportation Planning
- ☒ Historic Preservation
- ☒ Comprehensive Planning and Zoning Administration
- ☒ Research
- ☒ Address Coordinator

- ☒ Agricultural Preservation
- ☒ Development Engineering Division
- ☒ Forest Conservation Planner
- ☒ File

Agencies

- ☒ Soil Conservation District
- ☒ Department of Inspections, Licenses & Permits
- ☒ Department of Fire and Rescue Services
- ☒ State Highway Administration
- ☒ Bureau of Environmental Health
- ☒ Board of Education
- ☒ Recreation and Parks

- ☒ Tax Assessment
- ☒ Bell Atlantic Telephone
- ☒ BG&E
- ☒ Cable TV
- ☒ Police
- ☒ MTA
- ☒ Finance
- ☒ DPW, Real Estate Services
- ☒ DPW, Construction and Inspection
- ☒ DPW, Bureau of Utilities

RE: Edwards Subd. (Howard), lots 1 + 2

ENCLOSED FOR YOUR ☒ Signature Approval
THE ENCLOSED ☒ Original

☒ Review & Comments ☐ Files

Plans

- | | # of Sheets |
|---|--------------------------|
| ☐ Sketch Plan | ☐ |
| ☐ Prel Equiv Sketch Plan | ☐ |
| ☐ Preliminary Plan | ☐ |
| ☒ Final Plat | ☐ |
| ☐ Final Constr Plans (RDS) | ☐ |
| ☐ Final Development Plan | ☐ |
| ☐ Site Development Plan | ☐ |
| ☐ Landscape Plan | ☐ |
| ☐ Grading Plan | ☐ |
| ☐ House Type Revision Plan | ☐ |
| ☐ Water and Sewer Plan | ☐ |

Supplemental Documents

- ☐ Wetlands Report
- ☐ Soils/Topo Map/Drain Area Map
- ☐ FSD/FCP/Worksheet and Application
- ☐ Declaration of Intent
- ☐ Drainage and/or Computation/Pond Safety Comps
- ☐ Preliminary Road Profiles
- ☐ APFO Roads Test/Mitigation Plan
- ☐ Traffic Study/Noise Study
- ☐ Sight Distance Analysis
- ☐ Floodplain Study
- ☐ Stormwater Management Comps.
- ☐ Industrial Waste Survey (DPW)
- ☐ Road Poster Form Letter
- ☐ Response Letter
- ☐ Perc Plat
- ☐ Scenic Road Exhibits

Applications

- ☐ Waiver Petition Applic/Exhibit
- ☐ Planning Board Applic
- ☒ ASDP/CSDP Application
- ☒ DED Application/Checklist
- ☒ DED Fee Receipt/Deeds/Cost Estimate

WAS: ☒ Received ☐ Tentatively Approved
☐ Received and Revised ☐ Approved

Recorded 7-28
On 8-22

COMMENTS: See Attached Comments

SRC/COMMENTS DUE BY: 8-22

Check, initial and return to the Department of Planning and Zoning if plan is approved with no comments.



HOWARD COUNTY HEALTH DEPARTMENT

Diane L. Matuszak, M.D., M.P.H., County Health Officer

August 28, 2000

MEMORANDUM

TO: Cindy Hamilton, Chief
Department of Planning & Zoning

FROM: Ronald J. Pinkley, R.S. *RJP*
Water & Sewerage Program

RE: F-01-18
Edwards Subd.(Howard), lots 1 & 2

COMMENTS

The following comments are in response to the above referenced plan:

- Delete the reference to 10,000 sq.ft. in General Note # 13, line one.
- Add the words "sand mound type sewage disposal systems only" after individual in line three of General Note # 13.
- Add a general note stating "a detailed sand mound design plan must be submitted for Health Dept. review and approval prior to building permit approval."

If there are any questions regarding this matter, I may be contacted at the address below or by calling (410) 313-2640.

cc: LDE, Inc.
File

**AGREEMENT AND EASEMENT FOR
INSTALLATION OF AN INNOVATIVE AND ALTERNATIVE
ON-SITE SEWAGE DISPOSAL SYSTEM**

THIS AGREEMENT is made this 4th day of April, 2000, among Howard D. Edwards, hereinafter referred to as "Owner", the **HOWARD** County Health Department hereinafter collectively referred to as the "County", and the Department of the Environment, hereinafter referred to as the "Department".

WHEREAS, Owner owns a tract of land located on Mink Hollow Road, in the 5th Election District of **HOWARD** County, Maryland, and the deed to same is recorded among the Land Records **HOWARD** County, Maryland in "Liber 718, Folio 468 and known as Lot 5 from a Plat of Survey for William M. Canby (February 3, 1972)".

WHEREAS, Owner's land is improved and the existing means of sewage disposal has been found to be prejudicial to the environment and/or public health.

WHEREAS, Owner's land is unsuitable for the installation of a conventional on-site sewage disposal system and owner has requested the Department's approval to install an innovative/alternative system of sewage disposal.

NOW, THEREFORE, the parties hereto agree as follows:

A. Owner must install and maintain a water meter on the incoming side of the water system or an event counter on the sewage pumping system.

B. Owner hereby grants to the Department and the County the right to enter upon the property at any reasonable time for access to the system to make periodic inspections and the Owner agrees to provide any information and data requested and needed by the Department to develop accurate and thorough test results.

C. Owner acknowledges and agrees that the proposed innovative/alternative system is experimental and that his or her participation is voluntary. Owner agrees that there shall be no liability on the part of the County or Department to Owner if this innovative/alternative system fails, and that the County and the Department do not warrant or guarantee that the system will adequately or properly function.

D. Owner acknowledges and agrees that neither the County nor the Department nor any of its agents or employees, either officially or individually, underwrites the operation of any system approved by them.

E. The Owner will devote such care and effort to the maintenance of the system so that a system malfunction is not the result of poor maintenance, faulty operation, or neglect.

F. The Owner agrees, that, should the system be determined by the Department to pose a threat to the public health, safety or comfort, the Department may order any necessary changes or corrections and the Owner agrees to pay for all such changes or corrections. System modifications may include requirements for holding of sewage waste in tanks and regular pumping from the holding tanks. Upon the Department's request, the Owner agrees to enter into a contract acceptable to the Department to allow and pay either **HOWARD** County, Maryland, its agents or a private entity to pump on a regularly scheduled basis an approved holding tank system.

G The Owner agrees to contact both the Water Management Administration, Groundwater Permits Program and the County at least forty-eight (48) hours prior to system installation, so that the Department may lay out the system in the field with the contractor. The Owner must install this system according to the plans and specifications approved by the Department and any changes required by the Department as a result of the field layout. If installation deviates substantially from the approved plans or changes such that experimental data will be compromised or reduced, the Owner agrees to pay for all necessary corrections.

H. This agreement shall run with the land and binds the Owner, his heirs, successors, assigns except that the provisions of paragraph A & B shall be binding for a period of five (5) years only after installation of the system and occupation of the home. Owner further agrees that he shall inform in writing any purchaser or lessee of the property that the system may require maintenance or other attention. The Owner agrees to record this agreement in the land records of **HOWARD** County.

I. This agreement shall not be construed to limit any authority of the Department to protect the public health, safety or comfort or to issue any other orders to take any other action which is now or may hereafter be within its authority.

J. This agreement may be voided at the discretion of the Department if the system construction is not completed within six (6) months of the effective date of this agreement.

K. This agreement contains the entire agreement and understanding between the County and the Owner and the Department. There are no additional terms other than as contained in this agreement. This agreement may not be modified except in writing signed by each of the parties or by their authorized representatives.

L. The laws of the State of Maryland govern the provisions of all transactions pursuant to this agreement.

IN WITNESS WHEREOF, the parties have signed and sealed this agreement on the date indicated above.

DATE: 4/4/2000

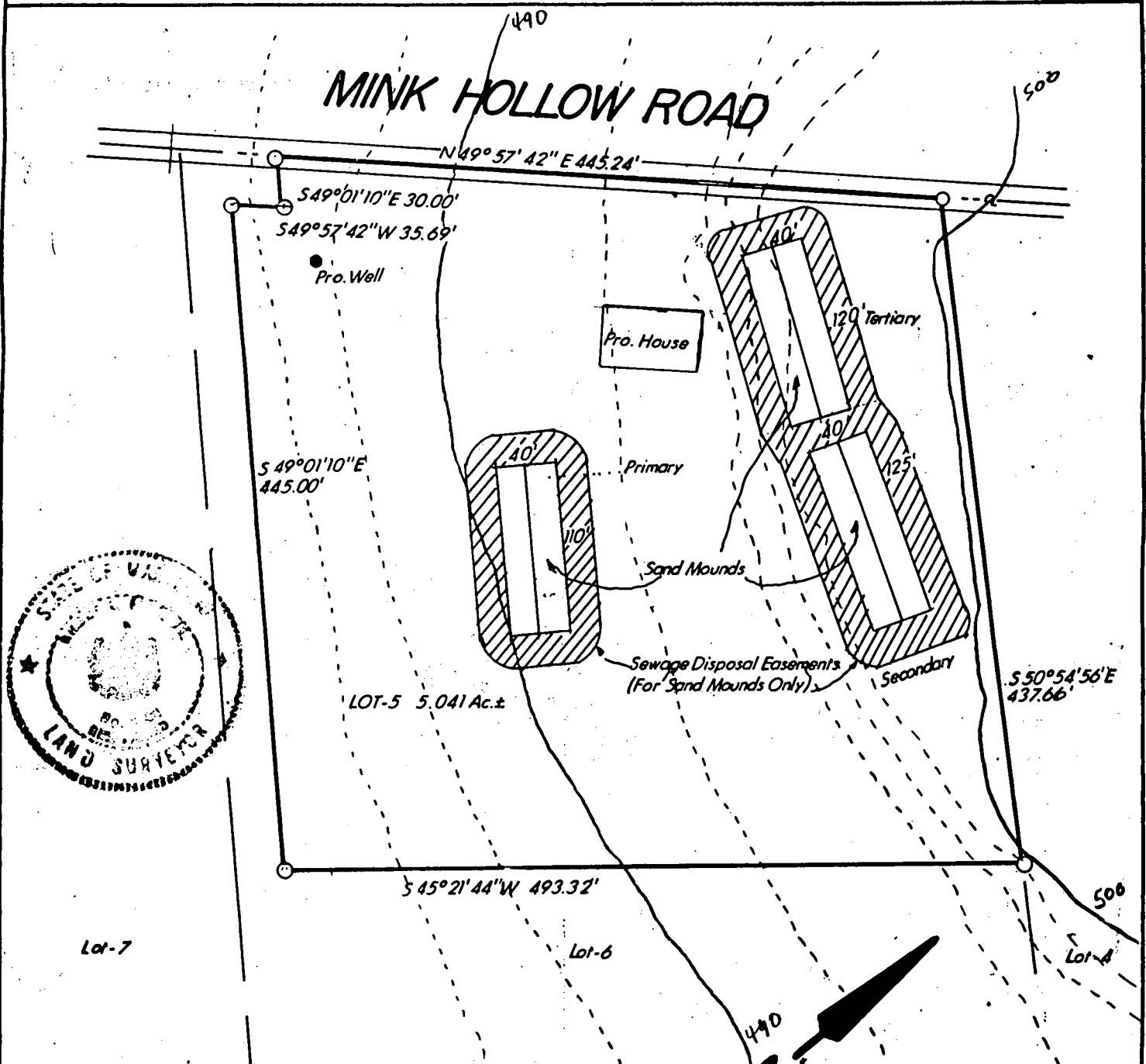
Howard D. Edwards
Owner

DATE: 4/18/2000

David A. Kern
Department of the Environment
For J. L. Hearn, Director
Water Management Administration

DATE: 4-10-2000

Frank Shinner Director
Bureau of Environmental Health
Howard County Health Department



NOTE: This area designates a private sewerage easement as required by the Maryland Dept. of the Environment for individual sewage disposal. Improvements of any nature in this area are restricted until public sewer is available. These easements shall become null and void upon connection to a public sewerage system. The County Health Officer shall have authority to grant variances for encroachments into the private sewerage easement. Recordation of a modified sewerage easement plat shall not be necessary.

NOTE: The Primary Sand Mound Site rests on a minor knoll not accurately shown at the scale herein shown. Sand Mound designed should be for a mound with its long axis astride a hillcrest and drainage in both directions away from the central axis. Flow patterns shown above apply.

NOTE: A detailed sand mound design plan, including all pertinent calculations and specifications, must be submitted for Health Department review and approval prior to building permit approval. (Also an agreement and easement for an alternative sewerage disposal system must be recorded among the Land Records of Howard Co. for said property prior to Health Dept. recommendation for approval of use and occupancy permits).

NOTES: The typical sand mounds shown were sized for a 4 bedroom single family dwelling with site slope of 12%. Any increase in house size (number of bedrooms) will require revised sand mound site and design plans to be submitted for review and approval by the Howard County Health Department prior to issuance of a building permit for the residence.

All existing wells and septic systems located within 100 ft. of the property line have been shown.

* Needed by current and all subsequent property owners

APPROVED FOR: PRIVATE SEWERAGE SYSTEMS BY THE HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd MD per J.E. 9-10-97
HOWARD COUNTY HEALTH OFFICER Date

Owner and Developer
HOWARD D. EDWARDS
6645 MINK HOLLOW RD.
HIGHLAND, MD. 20777
Ph. 410-596-9147

DATE REVISIONS
08/28/97 per Health Dept

PLAT OF SURVEY LOT-5

"PLAT OF SURVEY FOR WILLIAM M. CANBY"
FIFTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
PLAT SCALE 1" = 100'

DATE: July 15, 1997

RECORDED IN PLAT BOOK

I hereby certify that this is an accurate survey.

By *Wilbur L. Ford, Jr.*
Wilbur L. Ford, Jr.
Maryland No. 9008
Registered Land Surveyor

**AGREEMENT AND EASEMENT FOR
INSTALLATION OF AN INNOVATIVE AND ALTERNATIVE
ON-SITE SEWAGE DISPOSAL SYSTEM**

THIS AGREEMENT is made this 8 day of September, among Howard Dr Edwards, hereinafter referred to as "Owner", the Howard County Health Department hereinafter collectively referred to as the "County", and the Department of the Environment, hereinafter referred to as the "Department".

WHEREAS, Owner owns a tract of land located on Mink Hollow Rd in the 5th Election District of Howard County, Maryland, and the deed to same is recorded among the Land Records of Howard County, Maryland, in Liber 718, folio 468.

WHEREAS, this land was approved as a test site for an innovative/alternative on-site sewage disposal system on Lot 5 Mink Hollow Rd and final plans were approved on September 10, 1997.

WHEREAS, Owner's land is unsuitable for the installation of a conventional on-site sewage disposal system and owner has requested the Department's approval to install an innovative/alternative system of sewage disposal.

NOW, THEREFORE, the parties hereto agree as follows:

- A. Owner must install and maintain a water meter on the incoming side of the water system or an event counter on the sewage pumping system.
- B. Owner hereby grants to the Department and the County the right to enter upon the property at any reasonable time for access to the system to make periodic inspections and the Owner agrees to provide any information and data requested and needed by the Department to develop accurate and thorough test results.
- C. Owner acknowledges and agrees that the proposed innovative/alternative system is experimental and that his or her participation is voluntary. Owner agrees that there shall be no liability on the part of the County or Department to Owner if this innovative/alternative systems fails, and that the County and the Department do not warrant or guarantee that the system will adequately or properly function.

D. Owner acknowledges and agrees that neither the County nor the Department nor any of its agents or employees, either officially or individually, underwrites the operation of any system approved by them.

E. The Owner will devote such care and effort to the maintenance of the system so that a system malfunction is not the result of poor maintenance, faulty operation, or neglect.

F. The Owner agrees, that, should the system be determined by the Department to pose a threat to the public health, safety or comfort, the Department may order any necessary changes or corrections and the Owner agrees to pay for all such changes or corrections. System modifications may include requirements for holding of sewage waste in tanks and regular pumping from the holding tanks. Upon the Department's request, the Owner agrees to enter into a contract acceptable to the Department to allow and pay either Howard County, Maryland, its agents or a private entity to pump on a regularly scheduled basis an approved holding tank system.

G. The Owner agrees to contact both the Water Management Administration, Individual Septic Systems & Wells Program and the County at least forty-eight (48) hours prior to system installation, so that the Department may lay out the system in the field with the contractor. The Owner must install this system according to the plans and specifications approved by the Department and any changes required by the Department as a result of the field layout. If installation deviates substantially from the approved plans or changes such that experimental data will be compromised or reduced, the Owner agrees to pay for all necessary corrections.

H. This agreement shall run with the land and binds the Owner, his heirs, successors, assigns except that the provisions of paragraph A & B shall be binding for a period of 5 years only after installation of the system and occupation of the home. Owner further agrees that he shall inform in writing any purchaser or lessee of the property that the system may require maintenance or other attention. The Owner agrees to record this agreement in the land records of Howard County.

I. This agreement shall not be construed to limit any authority of the Department to protect the public health, safety or comfort or to issue any other orders to take any other action which is now or may hereafter be within it's authority.

J. This agreement may be voided at the discretion of the Department if the system construction is not completed within six (6) months of the effective date of this agreement.

K. This agreement contains the entire agreement and understanding between the County and the Owner and the Department. There are no additional terms other than as contained in this agreement. This agreement may not be modified except in writing signed by each of the parties or by their authorized representatives.

L. The laws of the State of Maryland govern the provisions of all transactions pursuant to this agreement.

IN WITNESS WHEREOF, the parties have signed and sealed this agreement on the date indicated above.

DATE: Sept 10, 1997

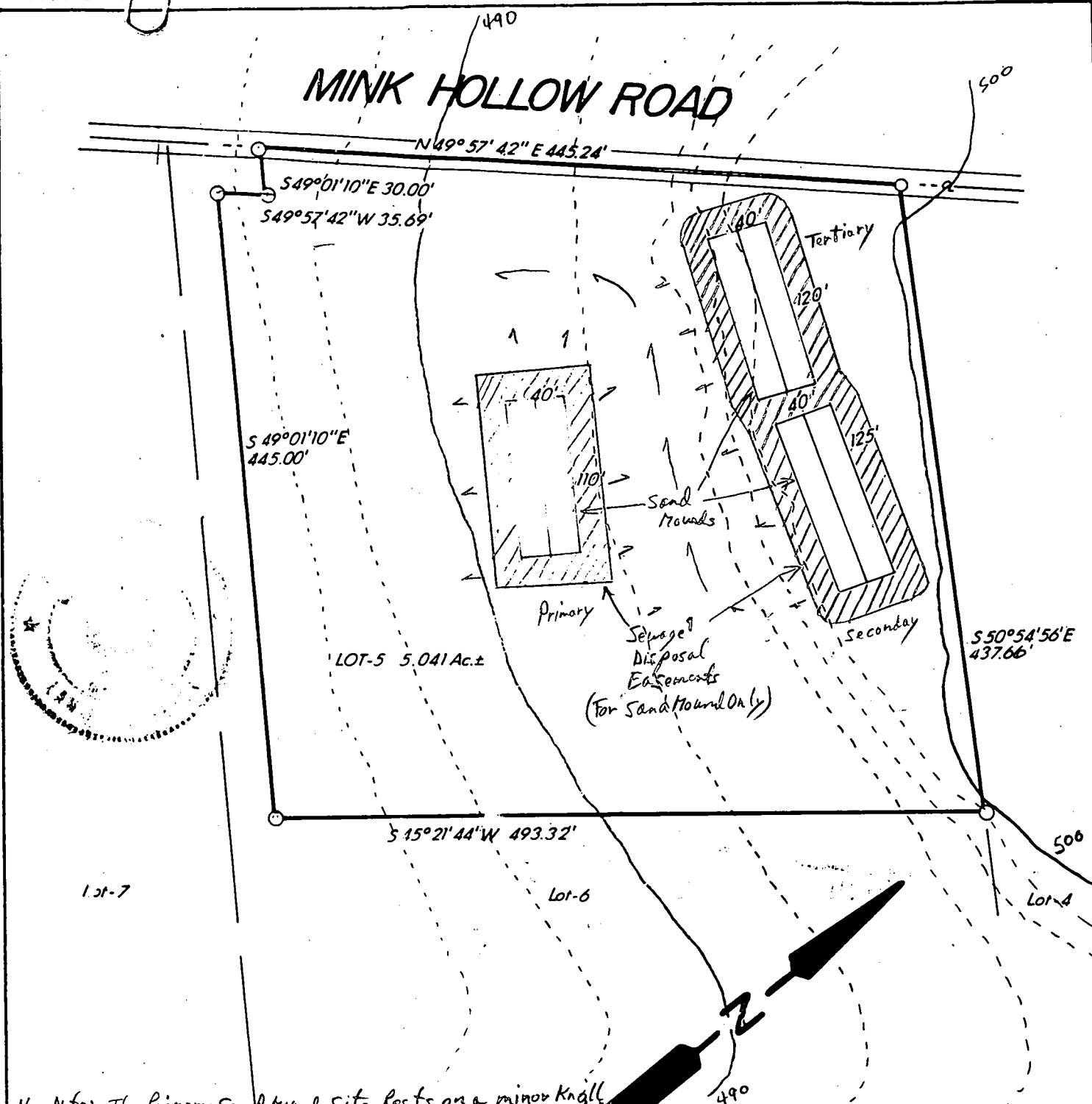
Sheward D. Edwards
Owner

DATE: _____

Department of the Environment
J. L. Hearn, Director
Water Management Administration

DATE: Sept. 10, 1997

Frank Shennor Environmental
Health Director, Howard County



Also Note: The Primary Sand Mound Site Rests on a minor Knoll. Not accurately shown at the scale herein shown. Sand Mound Design should be for a mound with its long axis astride a hill crest and draining in both directions away from the central axis.

NOTES: The typical sand mounds shown were sized for a 4 bedroom single family dwelling with site slope of 12%. Any increase in house size (number of bedrooms) will require revised sand mound site and design plans to be submitted for review and approval by the Howard County Health Department prior to issuance of a building permit for the residence.

All existing wells and septic systems located within 100 ft. of the property line have been shown.

Note: A Detailed Sand Mound Design Plan, including all pertinent calculations and specifications, must be submitted for Health Department Review and Approval prior to Building Permit Approval.

Also an Agreement and Easement for an Alternative Sewage Disposal System must be recorded among the Land Records of Howard County for said Property prior to Health Dept recommendation for approval of use and Occupancy Permit.

Needled by current and all subsequent property owners.

Lot-5 Add. to Lot-6
0.0243 Ac.±

MINK HOLLOW ROAD

N49°57'42"E 61.00'

N49°57'42"E 480.93'

25.31'
2.48'35.69'
35.69'

S49°01'10"E 30.00'

445.24'

S49°57'42"W 38.17'

Lot 6 Add. to Lot 5
0.0246 Ac.±S49°01'10"E 475.00'
N49°01'10"W 445.19'
N49°01'10"W 851.51'

LOT-5

5.041 Ac.± Original Area
- 0.0243 Ac.± Lot-5 Add. to Lot-6
+ 0.0246 Ac.± Lot-6 Add. to Lot-5
5.0413 Ac.± New Area

2.37'

490.95'

S45°21'44"W 493.32'

LOT-6

5.163 Ac.± Original Area
- 0.0246 Ac.± Lot-6 Add. to Lot-5
+ 0.0243 Ac.± Lot-5 Add. to Lot-6
5.1627 Ac.± New AreaS50°54'56"E
437.66'808.53'
370.87'100.00'
S52°26'00"W110.00'
S04°47'54"W

S87°40'01"W 316.00'

S09°33'50"E 193.59'

PLAT OF SURVEY
LOTS-5&6"PLAT OF SURVEY FOR WILLIAM M. CANBY"
FIFTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
PLAT SCALE 1" = 100'

DATE: July 14, 1997

RECORDED IN PLAT BOOK

I hereby certify that this is an accurate survey.

By

Wilbur L. Ford, Jr.
Maryland No. 9008
Registered Land Surveyor

SITE INSPECTION SHEET

OWNER: Conby Property Lot 5 (Edwardson) DATE REQUESTED: 4/22/16

ADDRESS: Mink Hollow Rd.

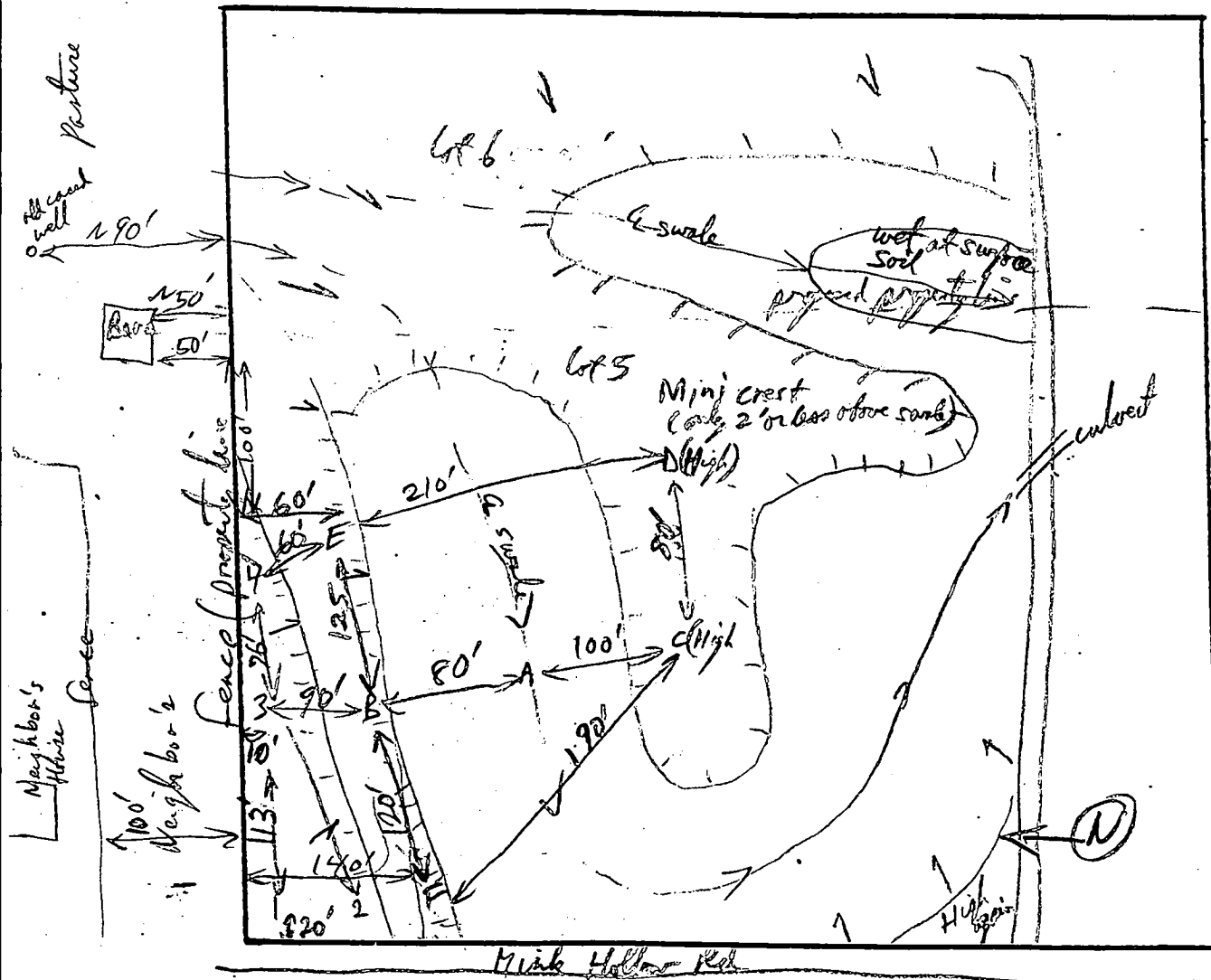
DRILLER: _____

WELL TAG # _____

COUNTY # 56497

PROPOSAL: lot of Record

LOCATION DIAGRAM



COMMENTS: _____

4/22/96 Ron Pugh

DATE:

DISPATCH

APPLICATION

4/22/96
Monday
4/26/96 Fri
After 1 PM
Buty = M. Testing

PERCOLATION TESTING
WBT SEASON TESTING REQ'D,

PREVIOUS OR
PREVIOUS HISTORY
OF FAILED AT
LOWER ELEVATIONS

A 56497

P _____

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

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

TELEPHONE: 313-2640

DISTRICT _____

DATE 3-15-96

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

(CW)

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

PROPERTY OWNER Howard D. Edwards

ADDRESS 6645 Mink Hollow Rd. PHONE 301-596-9147

AGENT OR PROSPECTIVE BUYER Highland, MD 20777 None

ADDRESS N/A PHONE N/A

PROPERTY LOCATION:

SUBDIVISION CANBY PROPERTY LOT NO. 5

ROAD AND DESCRIPTION MINK HOLLOW RD

TAX MAP 34 PARCEL # 282

SIZE OF LOT 5 acres TYPE BLDG. S.F.D.
(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.

Howard D. Edwards
(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

4/22/96

COUNTY #

SOIL PROFILE

TOPSOIL

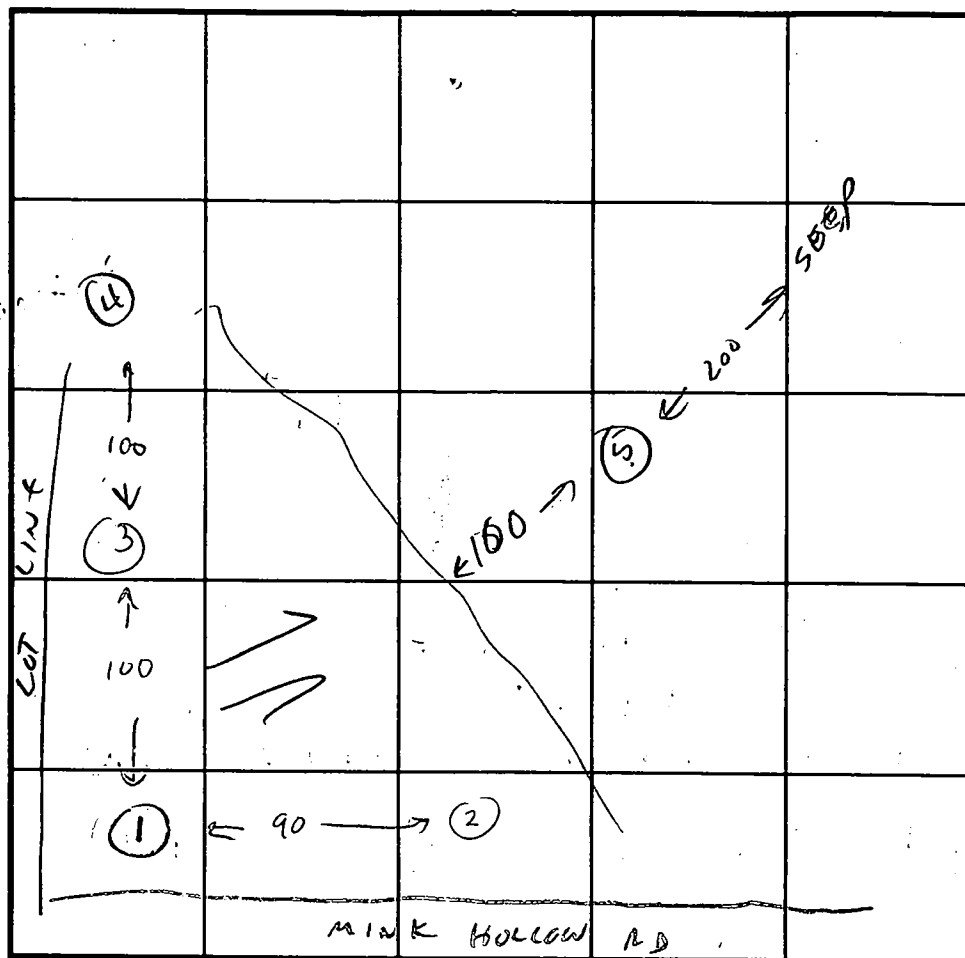
18"

TAN
CLAY
LOAM

9 1/2"

MOTTLED

10"

SEEPAGE
10'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

0'

5 1/2"

CAVING

7"

WATER

(2)

18-24"

TOPSOIL

6"

MOTTLED
CLAY

10"

CAVING
WATER

(3)

18-24"

TOPSOIL

(5)

TOPSOIL

2"

DELAYED
SEEPAGE

3"

IMMEDIATE
SEEPAGE
MOTTLED
CLAY

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/22/96	1	3 1/2'	11:16			11:17	11:17
	2	3 1/2'	11:13	11:14	11:14	11:15	11:15
	3	3 1/2'	11:23	11:48	11:48	11:49	11:49
		12" TEST			APPROXIMATE 1 INCH IN 30 MIN		

REMARKS Chbs, 6hA - Chester, Glenville - Mottles in 2,3,4 above are red + purple red clay with white speckles
 TYPE OF SOIL HIGH CLAY & SAND CONTACT - GRAY SOIL - SLOW PERC
 TESTED BY C. Williams ALSO PRESENT
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME TRENCH WIDTH
 INLET DEPTH MAXIMUM BOTTOM DEPTH SQ. FT./BEDROOM

Preliminary

*4-12' holes
on 10,000 ft.*

APPLICATION

Howard Edwards

A 1975

P _____

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
P. O. BOX 476, ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 465-5000, EXT. 356

DISTRICT 5

DATE 3/29/74

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 Howard Edwards *Phone: 596-6309*
William M. Canby

(McGiniglia, Thomas - Contract Purchaser)

ADDRESS 13013 Ingleside Drive, Beltsville, Md. PHONE (8) 572-0184

PROPERTY LOCATION: 6645 Mink Hollow Rd. 20705
Highland, Md. 20777

SUBDIVISION _____ LOT NO. 5

ROAD AND DESCRIPTION Mink Hollow Road - approx. 1500 ft. off Highland Road

SIZE OF LOT 5.041 acres TYPE BLDG. 5

NUMBER OF BEDROOMS
(Single Fmly. Dwlg.)

IF NOT SINGLE RESIDENCE DESCRIBE _____

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

SIGNATURE OF APPLICANT Thomas E. McGiniglia

APPROVED BY _____ FOR _____ DATE _____
(KIND OF SYSTEM)

REJECTED BY _____ FOR _____ DATE _____
(KIND OF SYSTEM)

HOLD PENDING FURTHER TESTS Holes backfilled prior to reaching 10' level at 4-6' DATE _____

REASONS FOR REJECTION OR HOLDING Hold for testing during wet season 7.8
R.T.

3/3/75

*Rejected
J.F.*

THIS IS NOT A PERMIT

APPLICATION

A 1975

SEWAGE DISPOSAL TESTING

P _____

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
P. O. BOX 476, ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 465-5000, EXT. 356

DISTRICT 5

DATE 3/29/74

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 William M. Canby

(McGunigla, Thomas - Contract Purchaser)

ADDRESS 13013 Ingleside Drive, Beltsville, Md. PHONE (8) 572-0184

20705

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. 5

ROAD AND DESCRIPTION Mink Hollow Road - approx. 1500 ft. off Highland Road

SIZE OF LOT 5.041 acres TYPE BLDG. 5

NUMBER OF BEDROOMS
(Single Fmly. Dwlg.)

IF NOT SINGLE RESIDENCE DESCRIBE _____

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

SIGNATURE OF APPLICANT Thomas E. McGunigal

APPROVED BY _____ FOR _____ DATE _____

(KIND OF SYSTEM)

REJECTED BY _____ FOR _____ DATE _____

(KIND OF SYSTEM)

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

THIS IS NOT A PERMIT

INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	

REMARKS _____

TYPE OF SOIL _____

TESTED BY _____ ALSO PRESENT: _____

Mr Howard D. Edwards
6645 Mink Hollow Rd
Highland, MD 20777

PERCOLATION TEST APPLICATION #
RE: A 56497
Recorded lot.

Wm. C. Coby Property, Lot #5)
Mink Hollow Rd

Dear Mr Edwards:

Percolation Testing Conducted on April 22 and May 3, 1976 on the above referenced property indicated unsatisfactory soil condition for a conventional sewage disposal system. Limiting conditions were marginally slow percolation rates and seasonally high water tables.

However, some of the area tested appeared to meet site topographic features, and demonstrated water table measurements, and infiltrometer percolation RATES SUGGESTED POTENTIAL SUITABILITY for an alternative type sand mound sewage disposal system. Copies of the percolation test results are enclosed.

Further review is contingent upon submission by a registered engineer or registered sanitarian in private practice, of a percolation certification plot specifically tailored to a sand mound system. THE PLAN SHOULD ESTABLISH SUFFICIENT AREA FOR AN INITIAL INSTALLATION AND AT LEAST ONE REPAIR WITH SUFFICIENT BUFFER AREA boundaries to allow access and ingress DURING

~~construction equipment and materials to the sand mound sites~~

← No Trafficing or any soil disturbance will be permitted within 20 FEET OF THE DESIGNATED SAND MOUND AREA.

→ A detailed Sand Mound Design Plan will then be required prior to building PERMIT APPROVAL.

IF ONCE A DESIGNATED SAND MOUND AREA HAS BEEN ESTABLISHED, THE PROPERTY WOULD BE CONSIDERED ELIGIBLE FOR WELL PERMIT APPLICATION. A FULLY DETAILED

IF You - - -

YT

Rf

dk/cw

October 28, 1976

Mr. Howard Edwards
6645 Mink Hollow Road
Highland, Maryland 20777

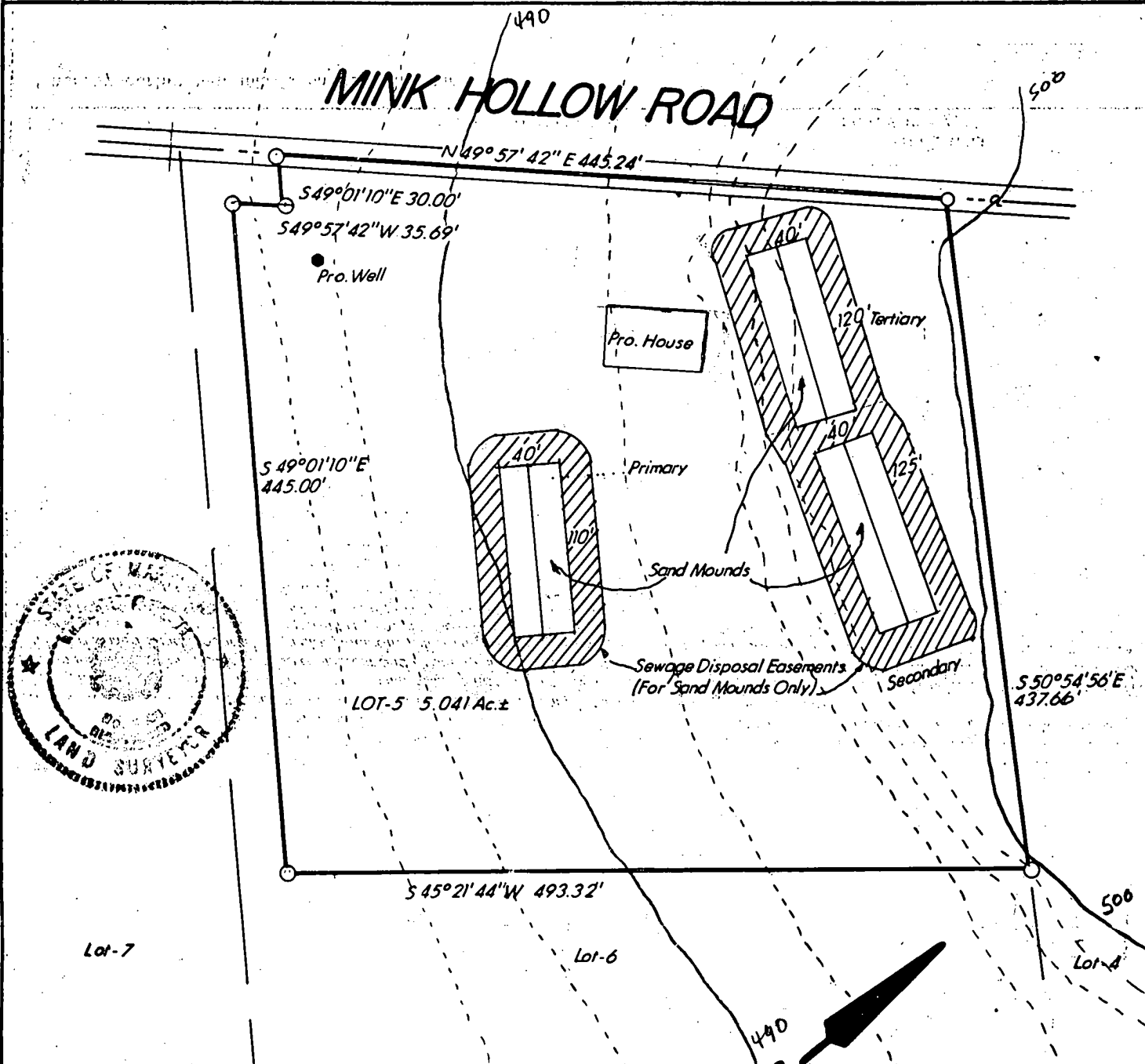
Dear Mr. Edwards:

This is to inform you that the property owned by you on Mink Hollow Road and is 5.041 acres failed to pass the standard percolation test on April 17, 1974. Therefore, this land is non-buildable until public sewer becomes available.

Very truly yours,

Palmer F. Wine, Director
Environmental Health

PFW:hs



NOTE: This area designates a private sewerage easement as required by the Maryland Dept. of the Environment for individual sewage disposal. Improvements of any nature in this area are restricted until public sewer is available. These easements shall become null and void upon connection to a public sewerage system. The County Health Officer shall have authority to grant variances for encroachments into the private sewerage easement. Recordation of a modified sewerage easement plat shall not be necessary.

NOTE: The Primary Sand Mound Site rests on a minor knoll not accurately shown at the scale herein shown. Sand Mound designed should be for a mound with its long axis astride a hillcrest and drainage in both directions away from the central axis. Flow patterns shown above apply.

NOTE: A detailed sand mound design plan, including all pertinent calculations and specifications, must be submitted for Health Department review and approval prior to building permit approval. (Also an agreement and easement for an alternative sewerage disposal system must be recorded among the Land Records of Howard Co. for said property prior to Health Dept. recommendation for approval of use and occupancy permits).

NOTES: The typical sand mounds shown were sized for a 4 bedroom single family dwelling with site slope of 12%. Any increase in house size (number of bedrooms) will require revised sand mound site and design plans to be submitted for review and approval by the Howard County Health Department prior to issuance of a building permit for the residence.

All existing wells and septic systems located within 100 ft. of the property line have been shown.
* Needed by current and all subsequent property owners

APPROVED FOR: PRIVATE SEWERAGE SYSTEMS BY THE HOWARD COUNTY HEALTH DEPARTMENT	
 JOYCE M. BOYD MD per F.S. 9-10-97 HOWARD COUNTY HEALTH OFFICER Date	
Owner and Developer HOWARD D. EDWARDS 6645 MINK HOLLOW RD. HIGHLAND, MD. 20777 Ph. 410-596-9147	DATE REVISIONS 08/28/97 per Health Dept

PLAT OF SURVEY
LOT-5

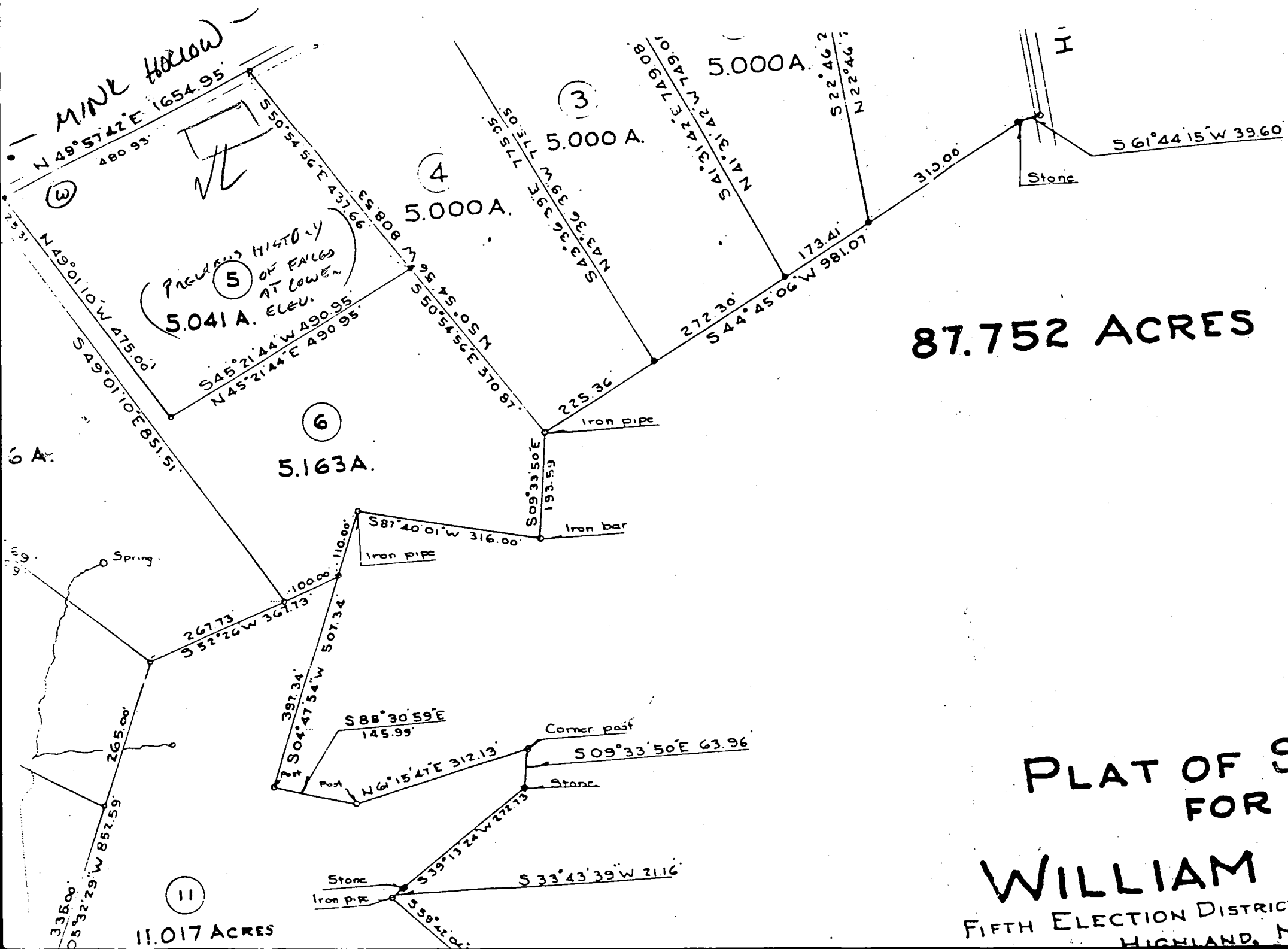
"PLAT OF SURVEY FOR WILLIAM M. CANBY"
FIFTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
PLAT SCALE 1" = 100'

DATE: July 13, 1997

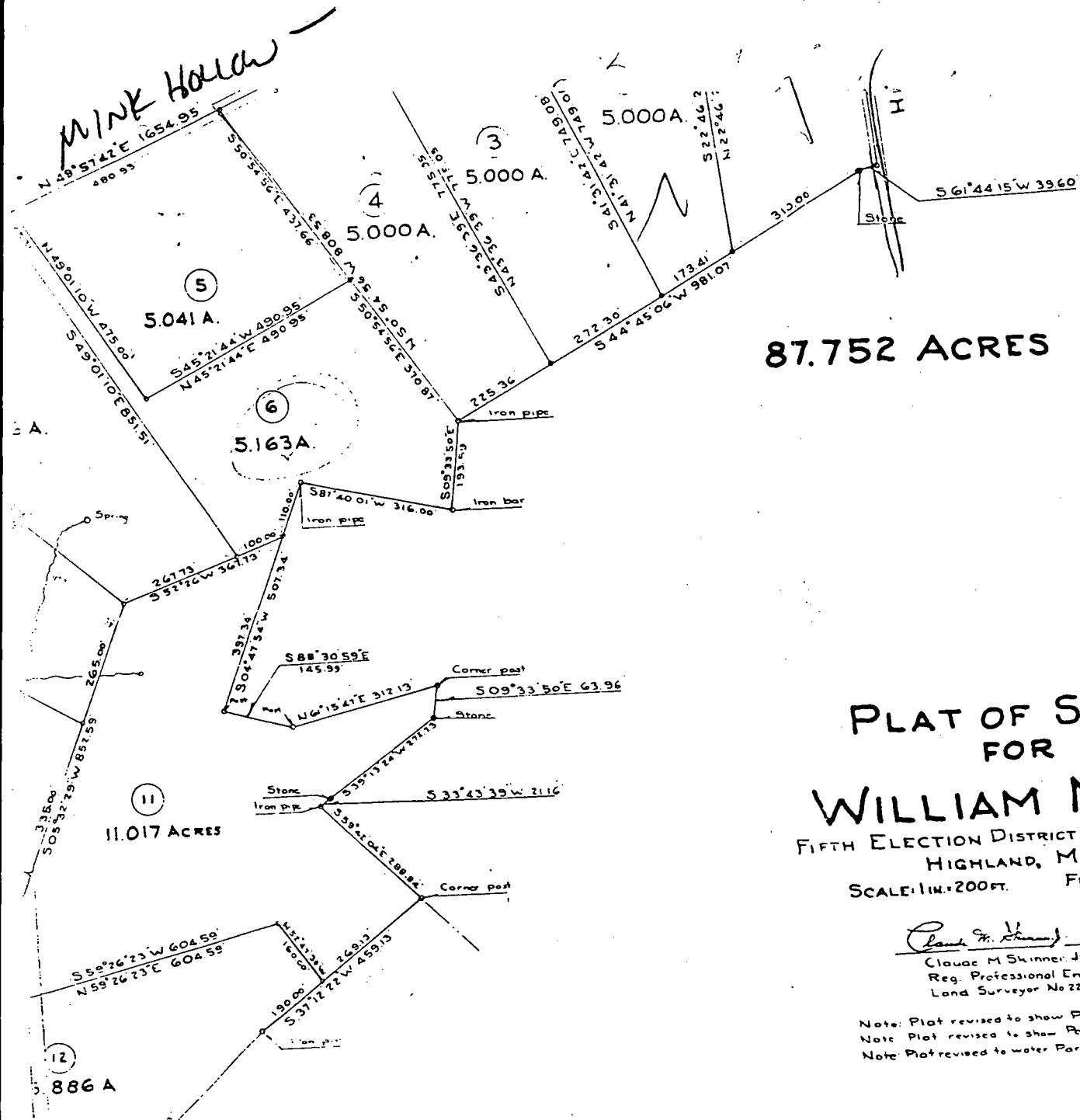
RECORDED IN PLAT BOOK

I hereby certify that this is an accurate survey.

By
 Wilbur L. Ford, Jr.
 Maryland No. 9008
 Registered Land Surveyor



PLAT OF SURVEY
FOR
WILLIAM M. CANBY
FIFTH ELECTION DISTRICT OF HOWARD COUNTY
HIGHLAND, MARYLAND
1972



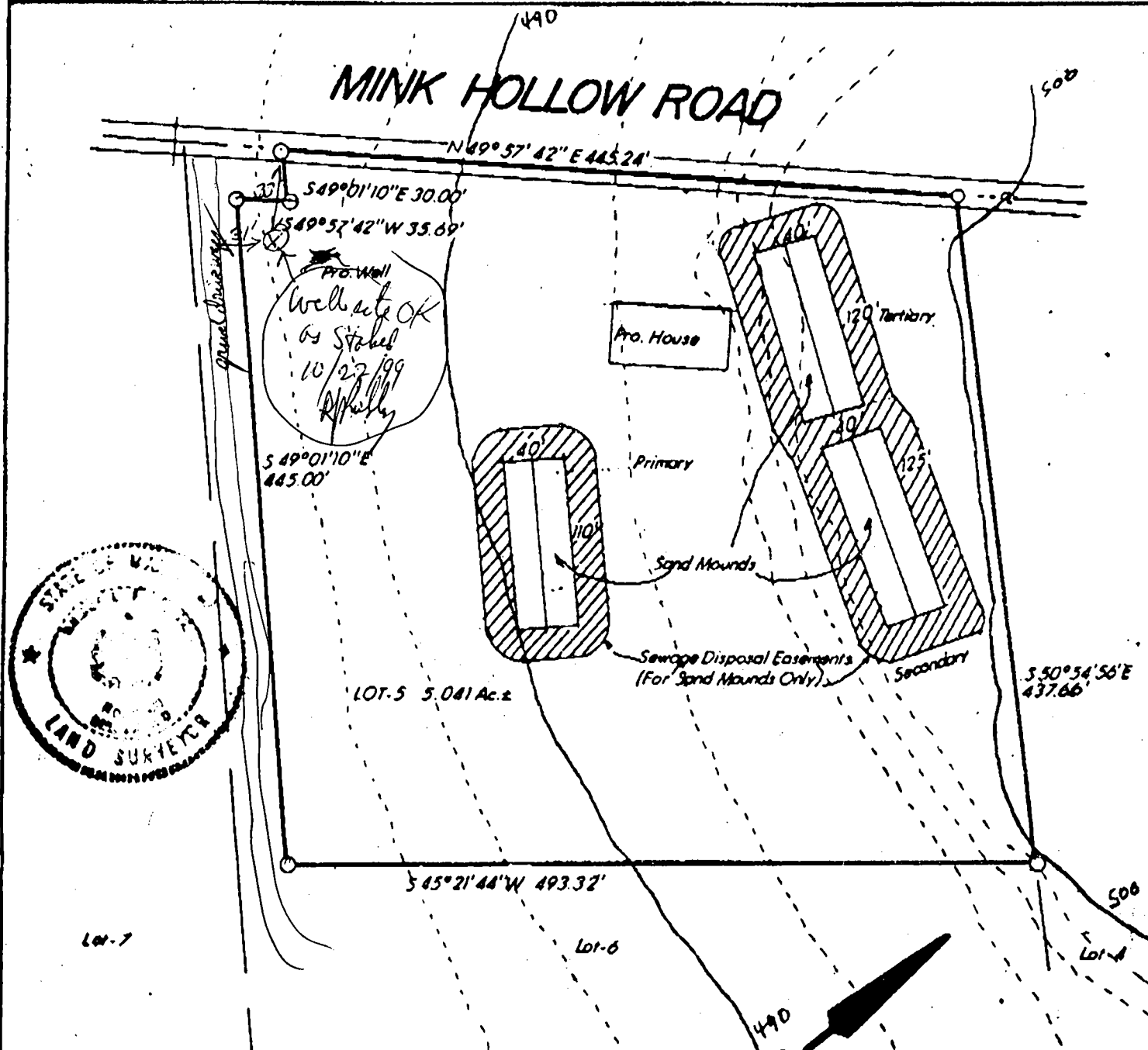
PLAT OF SURVEY
FOR
WILLIAM M. CANBY
FIFTH ELECTION DISTRICT OF HOWARD COUNTY
HIGHLAND, MARYLAND
SCALE: 1 in. = 200 ft. FEBRUARY 3, 1972.

Claude M. Skinner Jr.
Claude M. Skinner Jr.
Reg. Professional Engineer &
Land Surveyor No. 2237

Note: Plat revised to show Parcels No. 1, 2, 3 & 4 March 4, 1972 *OK*
Note: Plat revised to show Parcels No. 5 through 14 April 23, 1972 *OK*
Note: Plat revised to show Parcels No. 12 & 13 May 12, 1972 *OK*

Tel. 662-7466

FORD SURVEYS

BOX 133
BUCKEYSTOWN, MD. 21717

NOTE: This area designates a private sewerage easement as required by the Maryland Dept. of the Environment for individual sewerage disposal. Improvements of any nature in this area are restricted until public sewer is available. These easements shall become null and void upon connection to a public sewerage system. The County Health Officer shall have authority to grant variances for encroachments into the private sewerage easement. Recordation of a modified sewerage easement plat shall not be necessary.

NOTE: The Primary Sand Mound Site rests on a minor knoll not accurately shown at the scale herein shown. Sand Mound designed should be for a mound with its long axis astride a hillcrest and drainage in both directions away from the central axis. Flow patterns shown above apply.

NOTE: A detailed sand mound design plan, including all pertinent calculations and specifications, must be submitted for Health Department review and approval prior to building permit approval. (Also an agreement and easement for an alternative sewerage disposal system must be recorded among the Land Records of Howard Co. for said property prior to Health Dept. recommendation for approval of use and occupancy permits).

NOTES: The typical sand mounds shown were sized for a 4 bedroom single family dwelling with site slope of 12%. Any increase in house size (number of bedrooms) will require revised sand mound site and design plans to be submitted for review and approval by the Howard County Health Department prior to issuance of a building permit for the residence.

All existing wells and septic systems located within 100 ft. of the property line have been shown.

* Filled by current and all subsequent property owners

APPROVED FOR: PRIVATE SEWERAGE SYSTEMS BY THE HOWARD COUNTY HEALTH DEPARTMENT

HOWARD COUNTY HEALTH OFFICER

Date

Owner and Developer
HOWARD D. EDWARDS
6645 MINK HOLLOW RD.
HIGHLAND, MD. 20777
Ph. 410-596-9147

DATE REVISIONS
08/28/97 per Health Dept

PLAT OF SURVEY
LOT-5

"PLAT OF SURVEY FOR WILLIAM M. CANBY"
FIFTH ELECTION DISTRICT

HOWARD COUNTY, MARYLAND
PLAT SCALE 1" = 100'

DATE: July 19, 1997

RECORDED IN PLAT BOOK

I hereby certify that this is an accurate survey.

By Wilbur L. Ford, Jr.
Wilbur L. Ford, Jr.
Maryland No. 9008
Registered Land Surveyor

File No. F-01-18
Edwards Subdivision

DEPARTMENT OF PLANNING AND ZONING
FINAL PLAT ORIGINAL FOR SIGNATURE APPROVAL

This form is for the processing of originals for signature approvals. If corrections or additions must be made to the original, the corrections needed must be identified in the space provided and the plans must be returned unsigned to the Department of Planning and Zoning. DPZ will notify the owner of the required revisions and request that the owner's engineer make the corrections or contact the appropriate County agency with questions concerning such revisions.

DPZ

Date Received

Date Forwarded

Harold Bernadzikowski
Reviewing Agent

11/1/00

11/1/00

Rejected For: _____

HEALTH

Date Received

Date Forwarded

Robert J. Pinkley
Reviewing Agent

11/3/00

11/7/00

Rejected For: Minor revision of proposed CDA for sign off 11/6/00

DED

Date Received

Date Forwarded

Reviewing Agent

Rejected For: _____

Chief, DLD

Date Received

Date Forwarded

Reviewing Agent

Rejected For: _____



Faxed w/approved
perc cert

HOWARD COUNTY HEALTH DEPARTMENT

Diane L. Matuszak, M.D., M.P.H., County Health Officer

FAX

Date: 2/28/01

To: Keith Fralic

From: Mark Rifkin

Phone: _____

Pages: 1

Re: Edwards Subdivision
6625 Mink Hollow Rd
BOO128505

cc: _____

Comments:

This lot approved for sand mounds only.
Sand mound plan required for BP approval.

Bureau of Environmental Health

3525-H Ellicott Mills Drive • Ellicott City, Maryland 21043-4544

Water and Sewerage, Permits (410) 313-1771 Community Environmental Health Program (410) 313-1773

Director (410) 313-2640 TDD(410) 313-2323 TOLL FREE - 1-877-4MD-DHMH



HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd, M.D., County Health Officer

March 15, 1996

Mr. Howard D. Edwards
6645 Mink Hollow Road
Highland, MD 20777

RE: PERCOLATION TESTING
Receipt #A56497
Canby Property, Lot #5
Mink Hollow Road

Dear Mr. Edwards:

A percolation test date has been reserved for 10:00 a.m., Monday, April 22, 1996.

You will be responsible for having a contractor on-site to excavate test holes at the corners of proposed percolation area.

Please call this office between 8:30 a.m. and 4:30 p.m., Monday through Friday, to confirm your acceptance of this percolation test date.

Thank you for your cooperation in this matter.

Very truly yours, ✓

A handwritten signature in cursive script, reading "Craig Williams".

Craig Williams, Program Director
Water and Sewerage Program

CW:vr

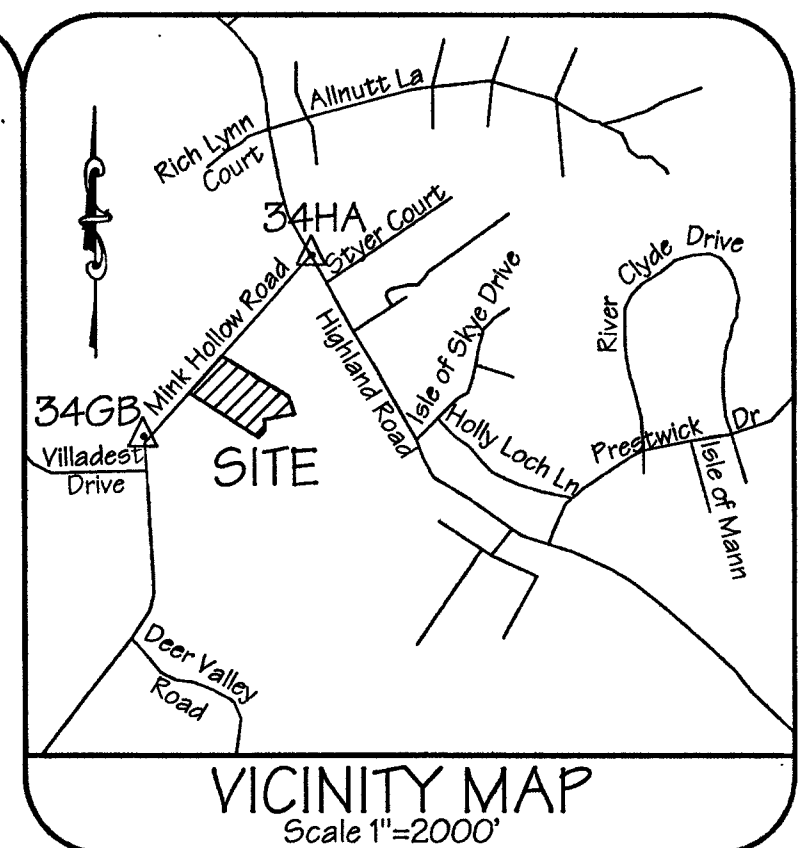
cc: File

COORDINATE TABLE		
POINT NO.	NORTHING	EASTING
16	554724.4080	1318417.4734
17	554317.7337	1319116.2844
18	554134.0952	1319177.5543
19	554072.6081	1318867.5941
20	553962.8881	1318875.4373
21	553890.4063	1318806.5434
22	554342.9254	1318084.9830
26	554326.7885	1318110.7139
27	554709.0426	1318443.8768

MINIMUM LOT SIZE TABULATION			
Lot No.	Gross Area	Pipestem	Minimum Lot Size
2	5.1375 Ac	0.2405 Ac	4.8970 Ac

GENERAL NOTES

- This plat is based on a field run boundary survey performed on June, 2000 by LDE, Inc.
- The Coordinates shown hereon are based on NAD '83, Maryland Coordinate System, as projected by Howard County Geodetic Control Stations No. 34GB & 34HA.
- Stone or Concrete Monument Found or set.
- Subject property is zoned RR-DEO per 10/18/1993 Comprehensive Zoning Plan.
- BRL denotes Building Restriction Line.
- For Flag or Pipestem lots, refuse collection, snow removal and road maintenance are provided to the junction of the flag or pipestem lot and the road right-of-way line and not to the flag or pipestem driveway.
- All areas shown on this plat are +/-, more or less.
- Deed Reference: Liber 3602 - Folio 66.
- This property is exempt from the requirements of Section 16.1200 of the Howard County Code for Forest Conservation because only one new lot is created and there is no additional subdivision potential.
- Property is served by Private Water and Private Sewerage Systems.
- This property is exempt from provided Stormwater management per letter dated August 18, 2000.
- There are existing structures located on Lot 2 to remain. No new buildings, extensions or additions to the existing structures are to be constructed at a distance less than the zoning regulations require.



GENERAL NOTES CONT.

- These areas designate a private sewage easement as required by the Maryland State Department of the Environment for individual sewage disposal. Lot 1 is approved for Sand Mound Sewage Disposal Systems only. Improvements of any nature in this area are restricted until public sewage is available. These improvements shall become null and void upon connection to a public sewage system. The County Health Officer shall have the authority to grant variances for encroachments into the private sewage easement. Recordation of a modified sewage easement shall not be necessary.
- The Percolation Plat prepared by Ford Surveys for the Private Sewerage Systems (Sand Mounds) shown, was approved by the Howard County Health Department on 9/10/97. A detailed sand mound design plan must be submitted for Health Department review and approval prior to building permit approval.
- The lots shown comply with the minimum lot area and ownership width as required by the Maryland State Department of the Environment.
- Driveway(s) shall be provided prior to residential occupancy to insure safe access for fire and emergency vehicles per the following minimum requirements:
 - Width - 12 feet (14 feet serving more than one residence).
 - Surface - 6 inches of compacted crusher run base with tar and chip coating (1-1/2" Minimum).
 - Geometry - Maximum 15% grade, maximum 10% grade change and minimum of 45 foot turning radius.
 - Structures (culverts/bridges) Capable of supporting 25 gross tons (H25 loading).
 - Drainage Elements - Capable of safely passing 100 year flood with no more than 1 foot depth over driveway surface.
 - Structure Clearances - minimum 12 feet.
 - Maintenance sufficient to insure all weather use.
- A Wetlands Investigation Performed by LDE, Inc in June of 2000 indicates no wetlands exist on the property. There are no streams or floodplains on the property.
- A Fee in Lieu of Open Space was paid for this subdivision.
- Landscaping requirements for Lot 1 is in accordance with the alternative compliance provisions of Section 16.124 of the Howard County Code and the Landscape Manual.
- Surety for the proposed plantings shall be included as part of the Grading Permit Surety.
- These areas designate a private sewage easement of 10,000 square feet as required by the Maryland State Department of the Environment for individual sewage disposal. Improvements of any nature in this area are restricted until public sewage is available. These improvements shall become null and void upon connection to a public sewage system. The County Health Officer shall have the authority to grant variances for encroachments into the private sewage easement. Recordation of a modified sewage easement shall not be necessary.

The requirements of 3-108, The Real Property Article, Annotated Code of Maryland, 1988 replacement volume, (as supplemented) as far as they relate to the making of this plat and the setting of markers have been complied with.

D. Wayne Weller MD No. 10685 Date

Howard D. Edwards Sept. 13, 2000
Owner Date

AREA TABULATIONS

- Total number of lots and/or parcels to be recorded: 2
 - Buildable: 2
 - Non-Buildable: 0
 - Open Space: 0
 - Preservation Parcels: 0
- Total area of lots to be recorded: 9.8528 Ac.±
 - Buildable: 9.8528 Ac.±
 - Non-Buildable: 0
 - Open Space: 0
 - Preservation Parcels: 0
- Total area of road right-of-way to be recorded: 0.3489
- Total area of subdivision to be recorded: 10.2017 Ac.±

APPROVED: For Private Water and Private Sewerage Systems Howard County Health Department.

D. Wayne Weller 11/6/00
Howard County Health Officer Date

APPROVED: Howard County Department of Planning and Zoning.

Howard D. Edwards 11/15/00
Director Date
Chief, Development Engineering Division 11/14/00
Date

OWNER/DEVELOPER:

Howard D. Edwards
6645 Mink Hollow Road
Highland, MD 20777
301 596-9147

SURVEYOR'S CERTIFICATE

I hereby certify that the final plat shown hereon is correct; that it is a subdivision of all of the lands conveyed by David A. Carney to Howard D. Edwards by deed dated November 13, 1995 and recorded in the land records of Howard County in Liber 3602, folio 66, and that all monuments are in place or will be in place prior to the acceptance of the streets in the subdivision by Howard County as shown, in accordance with the Annotated Code of Maryland, as amended.



D. Wayne Weller Professional Land Surveyor MD Reg. No. 10685

9/13/00
Date

OWNER'S CERTIFICATE

I, Howard D. Edwards, owner of the property shown and described hereon, hereby adopt this plan of subdivision, and in consideration of the approval of this final plat by the Department of Planning and Zoning, establish the minimum building restriction lines and grant unto Howard County, Maryland, its successors and assigns:

- The right to lay, construct and maintain sewers, drains, water pipes and other municipal utilities and services, in and under all roads and street right-of-ways and the specific easement areas shown hereon;
- The right to require dedication for public use the beds of the streets and/or roads and floodplains and open space where applicable, and for good and other valuable consideration, hereby grant the right and option to Howard County to acquire the fee simple title to the beds of the streets and/or roads and floodplains, storm drainage facilities and open space where applicable;
- The right to require dedication of waterways and drainage easements for the specific purpose of their construction, repair, and maintenance; and
- That no building or similar structure of any kind shall be erected on or over the said easements and right-of-ways.

Witness by my hand this 13th day of Sept., 2000.

Howard D. Edwards
Howard D. Edwards
Witness

RECORDED AS PLAT NUMBER 14536
ON 11/21/2000 AMONG THE
LAND RECORDS OF HOWARD COUNTY, MD.

EDWARDS SUBDIVISION

Lots 1 & 2

5th Election District - Howard County, MD

Tax Map 34 Grid 21 Parcel 282

Scale: 1" = 100' Date: September 2000

Sheet 1 of 1

Zoning - RR-DEO

LDE, INC.

9250 Rumsey Road, Suite 106
Columbia, Maryland 21045
Phone (410) 715-1070

(Edwards - source)

NAME Candy Property 655, Hinkley, Mich COUNTY Howard FILE NO A56497

SOIL MAP UNIT Glennville, Chester MAP SYMBOL 6u A, Ch B DATE 4/22/86

GEOLOGIC MATERIAL _____ ELEVATION _____ GRID NO _____ E

NO. A DESCRIBED BY R. P. Hoyer _____ N

Horizon	Depth in.	Color		Texture	Structure		% Rock Fragments	Notes (Moisture, Density, Biopores, Seepage)
		Matrix	Mottles		Grade	Type		
	0-4"	10YR 3/4 dark Brn	—	sil-hsil	crumb	3m-f	—	Moist - v. moist about 20% clay
	4-11"	10YR 4/4 dark Brn	—	hsil	2p	sbk	—	v. moist about 20-22% clay
	11-16"	10YR 3/2 dark Brn	—	hsil	(no wet h) 2f-m	sbk	—	wet - saturated - water skins about 1" rubber about 20-22% clay
	16-18"	10YR 5/6 yel Brn	—	sill-hsil	2vf-f	sbk	—	wet - saturated about 2-2.7% clay
	18-29"	10YR 5/8 yel Brn	—	sill-hsil	2vf-f	sbk	—	wet saturated about 1-1.5" rubber about 22% clay
	water table at 2 1/2 ft			10YR 4/6 hrs	free	(water seepage at 2.5 ± 1")		
	at about 4 ft ±	10YR 5/8 yel Brn	C2d 10YR 7/1 C1P 10YR 5/4 C1d 7.5Y 5/8	hsil-sill	2vf-f	sbk		Moist about 2.5% - 22% clay

LANDSCAPE

Position

Summit _____
Shoulder _____
Sideslope _____
Footslope ☒

Depression ☒
Upland _____
Terrace ☒
Floodplain _____

Slope

Percent 1-3%
Shape 4

SOIL DRAINAGE CLASS

ED MWD ☒ PD
WD SPD VPD

WATER TABLE

2 1/2 ft

LIMITING ZONE

WT = 21" or less
Site Not usable for SM
to in center of Depression - source
SOIL CLASSIFICATION
Glennville/Chester

* Horseshoe shaped saddleback with a long center knoll (only 2 clear above low point)

Hole B

0-8" v dark Brn 10YR 3/4 - 3/3 loam 38 granular moist { < 5% gravel
 8-15" dark Brn-brn 10YR 4/3 loam 2F 56k - fgrn. Moist
 15-26" reddish yel 2.5YR 5/6 hL-CL 2F-m sbk moist coffee 20%
 26-48" reddish yel 2.5YR 5/6 1-2F-m sbk moist coffee 20%
 26-48" (Mottled Red Brn - yel Brn cld-fid) CL
 48-50" reddish yel & some mottled - Nov and c2d m2-2d hL 1m sbk moist - v moist
 water seepage slow begin at 48-50" (backfilled - No log w/ measurements)

Hole C 0-9" dark Brn (10YR 3/2 - 3/3) L-SL fgrn-single Moist
 9-26" yel Red (2.5YR 5/8) CL Moist
 26-48" Mix yel & fgrn } appears hL- Moist
 + yel Brn } mottled
 water rising from 48" shelf - seepage at 44-45"

Hole D 0-9" dark gray Brn (10YR 3/2 - 3/2) L fgrn Moist
 9-26" yel Brn - str Brn (10YR - 2.5YR 5/6) CL-hL Moist - v. Moist
 26-40" Mix yel Brn - yel Red CL
 and Red SL-L
 active water seepage everywhere below 40" WT at 4 1/2 ft rising at start
 40-60" Red yel & m-c2-3p (10YR 6/4 - 7/4) CL
 to blue gray (2.5YR 5/1) mottled
 and mixed m3p Red Loam

water at 36" by 7 PM

Hole E 0-9" dark Brn (3YR 4/3) loam Moist
 9-18" str. Brn hL Moist
 18-35" yel Brn (10YR 5/5) silt v. Moist
 35-45" yel Brn (10YR 5/4) hL (Mica) L Moist v. Moist - wet
 with 2F red Brn & yel Brn mottled
 45-60" Red (2.5YR 5/6) & 2F Black loam. FSL - Moist, wet
 & c2-3d grey (10YR 8/1 - 7/3) mottled

60-78" covering out water table at 5', water seepage at 4'-4 1/2", L

Hole F 0-12" dark Brn 10YR 4/3 - 3/2 Loam. green - 56k & yel Moist
 12-21" str. dark Brn SL Moist 1m sbk.
 21-35" dull gray (2.5YR 6/2) FSL Moist 1m sbk - Moist
 35-48" red & orange mix SL-SCL v. Moist Moist
 48-70" yel & reddish yel SCL-hscl Moist (v. Moist - wet)
 & m-c3p 7/4 (5YR 7/10)
 water seepage @ 52", WT @ 5 ft @ 7 PM

TEST DATA

NAME	Canby Prop lot 5 (Edwards)	FILE NO	A 56497
LOCATION	E/S Mink Hollow Rd	COUNTY	Howard
		DATE	5/2/96
		GRID	E
RECORDED BY	R. Pinkley		N

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
E	I _{E2}	18-24'	10:40 11:15 11:34 11:55 12:16 12:37 1:03 1:17 2:17	15 min lot 1/2" 75 min lot 1/2" 160 mpi OK steady drop pull out	7" even 6 13/16" 6 10/16" 6 1/2" 6 6/16" 6 7/32" 6 1/2" 5 15/16" 5 9/16"	in gel Brn HL-SCL Moist From yesterday's rain
B	I _{B2}	22-29'	10:56 11:16 11:35 11:56 12:18 12:38 1:05 1:26 2:09	129 min lot 1/2" 276 mpi pull out	7" even 6 15/16" 6 27/32" 6 12/16" 6 23/32" 6 9/16" 6 1/2" 6 3/8" 6 3/16"	Into Rd - Rd Ben gravelly h SL-SCL. mud - rescaled mud on the rim (leakage stopped by seal setting)
F	I _{F2}	19-25"	11:10 11:32 11:53 12:13 12:35 1:00 1:23 1:53	110 min lot 1/2" 264 mpi pull out	7" even 6 14/16" 6 12/16" 6 11/16" 6 19/32" 6 1/2" 6 13/32" 6 1/4"	in gel Brn Brn - Rd Ben HL-SCL

TEST DATA

NAME Canby Property (Edwards Owner) FILE NO A56497
 LOCATION Hink Hollow Rd COUNTY Howard
 DATE 4/22/96
 GRID _____ E
 RECORDED BY R Pinkley N

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
A	I ₁	17"-21½"	2:59:00 3:36 4:02 4:39		7" even 6¼" 6" even 5½"	in Brown wet Topsoil just above yel Ben SICL wet manure. (Note: Sample of sand at shell bit at 22")
		(pulled to use elsewhere) site topography unsuitable - Hole A in depression / center line of road. (water table at 20" below grade at 5:20)				
B	I ₂	20-25½"	3:47:40 3:58:30	Stopped - Leaks due to holes	6 7/16" 5 3/8"	Fast drop due to stones, near soil - imperfect seal - leakage observed.
C	I ₃	21-28'	4:15:30 4:56 5:19 5:48 6:30 6:47 7:05	9 1/16 in 20 min 11 1/16 in 42 min 11 1/16 in 35	7" 6½" 6 3/16" 5 5/8" 4 15/16" 4 1/4"	in Red CL layer, [WT @ 42" at 5:50] [WT at 39" at 7:30]
B	perc B	27"	4:30: 4:42 5:27 6:35 6:47	60 min 1st inch 80 min 1st inch	Tip-Top Nail still on Top Nail 2nd Nail Tip 3rd Nail H2O 3rd Nail	in Red Brn - yel Red clay loam

301-596- 9/14/7 TEST-DATA

NAME Conby Prop lot 5 (Edwards survey) FILE NO A-56497
 LOCATION Mink Hollow Rd COUNTY Howard
 DATE 4/22/96
 GRID _____ E
 RECORDED BY Ron Pinkley N

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
D	Iy	17-24	5:02 5:17 5:47 6:29 6:59	7/16 in 30 min 2 1/2 in 30 min	7" even 6 13/16" 6 3/8" 5 15/16" 5 8/16"	water seepage at 4 1/2" m-c 3/2 and Red Brn Hdtls below 40" - Test in Yel Brn, a. Hdtl CL [w.T. at 44" @ 5:40] WT at 36" @ 7 PM
E	per E	31"	5:58 6:33 7:15	35 min 42 min	Top Nail Tip 2nd Nail 3rd Nail	in Yel Brn SIL-SICL
F	per F	32"	6:25 6:36 7:16	20 min 40 min No Movement	Top Nail Tip " " " water still at Top Nail	into red SIL-SICL
					<u>Too Slow</u>	

SAND MOUND CONSTRUCTION PROCEDURES

2011-2 PM 12:00

I. GENERAL

- A. Proper construction is extremely important if the sand mound is to function as designed.
- B. Construction of the mound should not occur if the soil is too wet. Compaction and puddling of the soil in the location of the mound and downslope should be avoided. Soil is too wet for construction of the mound if a sample taken anywhere within the upper 8 inches, when rolled between the hands forms a wire. If the sample crumbles the soil is dry enough for construction to proceed.
- C. Installation of a sand mound system is prohibited when soils are frozen.
- D. Proper equipment is essential. A small track-type tractor with blade is highly recommended for placing and spreading the sand fill.
- E. Sand fill must be approved prior to hauling to the site. Submit a sample for analyses at least three (3) weeks in advance of construction or select a sand from the list of approved suppliers.

II. SITE PREPARATION

- A. Locate and rope off the entire sewage disposal area to prevent damage to the area during other construction activity on the site. Vehicular traffic over the area should be prohibited to avoid soil compaction.
- Pre const. layout Stakeout Insp. →*
B. Stake out the initial and recovery mound perimeters in their proper orientation as shown in the drawings. Reference stakes offset from the mound corner stakes are recommended.
- C. Locate the upslope edge of the absorption bed within the mound and determine the ground elevation at the highest location. Reference this elevation to a benchmark for future use. This is necessary to determine the bottom elevation of the bed.
- D. Excess vegetation should be cut and removed. Trees should be cut at ground level and stumps left in place.
- E. Determine the location where the delivery pipe (i.e.

forcemain) from the pumping chamber will connect to distribution network manifold within the mound.

- F. Install the delivery pipe from the pumping chamber to the proper location within the mound. Pipe should be laid with uniform slope back to the chamber so that it drains after dosing. Cut and stub off pipe one (1) foot below existing grade within the proposed perimeter of the mound. Backfill trench and compact soil around the pipe to prevent seepage along the trench.

HCHD Inspection

- G. Plow the soil within the perimeter of the mound to a depth of about 8 inches if the soil is not too wet. Moldboard or chisel plows may be used. Plowing should be done along the contour throwing soil upslope. Use a two bottom or larger moldboard plow. In wooded areas with stumps, roughening the surface with backhoe teeth may be satisfactory. However, all work should be done from the upslope or sides of the mound, if at all possible. Rototilling may be used on soils with USDA textures of sand.

III. FILL PLACEMENT

- A. Relocate and extend the delivery pipe several feet above the ground surface.
- B. Place the approved sand fill material on the upslope edge(s) of the plowed area. Keep delivery trucks off the plowed area. Minimize traffic on the downslope side. Fill should be placed and spread immediately after plowing.
- C. Move the fill material into place using a small track-type tractor with a blade. Work from the end and upslope side. Always keep a minimum of 6 inches of material beneath the tracks of the tractor to minimize compaction of the natural soil.
- D. The fill material should be worked in this manner until the height of the fill reaches the elevation of the top of the absorption bed.
- E. With the blade of the tractor form the absorption bed. Hand level the bottom of the bed and check it for proper elevation. The bed should be level for proper functioning of the mound.
- F. Shape the sides to the design slope (i.e., 3:1 or flatter).

IV. BED AND DISTRIBUTION NETWORK

- A. Carefully place the coarse aggregate in the bed. Do not create ruts in the bottom of the bed. Level the aggregate to a minimum depth of six (6) inches.
- B. The distribution network is assembled in place setting the manifold to ensure draining the laterals between doses. The laterals should be laid level with the holes directed downward.
- C. Place additional aggregate to a depth of at least two (2) inches over the crown of the pipe.
- D. Place an approved geotextile fabric over the aggregate bed. The fabric may extend beyond the bed over the sand fill.

V. COVER MATERIAL

- A. Place a finer textured soil material such as sandy clay loam, clay loam, silt loam or silty clay loam on top of the fabric over the bed. The minimum depth of this cap shall be six (6) inches at the outer edges of the bed and twelve (12) inches along the center.
- B. Place a minimum of six (6) inches of good quality topsoil over the entire mound surface, including the sideslopes.

VI. VEGETATION

- A. Fertilize, lime, seed and mulch the entire surface of the mound. Grass mixtures adapted to the area should be used.
- B. Consult the County Extension Agent or Soil Conservation Service for recommendations.

SANITARY/ENVIRONMENTAL ENG., INC.

Consulting Engineers
1414 Washington Road
WESTMINSTER, MARYLAND 21157
(410) 876-7740
FAX (410) 840-9924

JOB LOT 1 EDWARDS SUBDIVISION
SHEET NO. 1 OF _____
CALCULATED BY HOWARD CO. DATE _____
CHECKED BY _____ DATE _____
SCALE MINK HOLLOW RD.

4 Bedrooms $\times 150 = 600 \text{ gpd}$ 10% Slope
 $600 / 1.2 = 500 \text{ sq. ft. SAND BED}$ OK
 $9' \times 56' \text{ BED} = 504 \text{ sq. ft.}$ OK

INFILTRATOR RATE - 120 min/inch OK

Design Loading Rate = 0.5 gpd/sq. ft.

BASAL AREA REQUIRED = $600 \text{ gpd} / 0.25 = 2400 \text{ sq. ft.}$
shall be met

UP SLOPE SAND FILL = 24"

DOWN SLOPE SAND FILL = $24" + (0.10 \times 108) = 34.8"$ OK

UP SLOPE SETBACK = $(24" + 22")(3)(0.77) = 106.2" = 8'-10"$ OK

DOWN SLOPE SETBACK = $(34.8" + 22")(3)(1.44) = 245.5" = 20'-5"$ OK

BASAL AREA REQUIRED = 2400 sq. ft.

BASAL AREA PROPOSED = $(20.4' + 9') \times 56' = 1646.4 \text{ sq. ft.}$

DEFICIT = $2400 \text{ sq. ft.} - 1646 \text{ sq. ft.} = 754 \text{ sq. ft.}$

$754 \text{ sq. ft.} / 56' = 13.5' = 13'-6"$

DOWN SLOPE SETBACK TO PROVIDE REQUIRED BASAL AREA =
 $20'-5" + 13'-6" = 33'-11" (34')$ OK

SIDE SLOPE SETBACK = $\frac{(24" + 34.8")}{2} + 28" (3) = 172.2" = 14'-4"$ OK

MOUND LENGTH = $56' + 14'-4" + 14'-4" = 84'-8"$ OK

MOUND WIDTH = $9' + 8'-10" + 34' = 51'-10"$ OK

DOSE - $5 \times 3 \times 52.5' - 1\frac{1}{4}" \text{ LATERAL} = 788' = 7.88 \times 7.8 = 61.928$ OK

$300' - 3" = 3 \times 38.4 = 115.2 \text{ Dose} = 176 \text{ gal}$ OK

$176 \text{ gal} = 23.5 \text{ cu ft.} - \text{Pump Chamber Floozoria} = 40 \text{ sq. ft.}$

$23.5 \text{ cu ft.} / 40 \text{ sq. ft.} = 0.58' = 7\frac{1}{2}"$ OK

EMERGENCY STORAGE - 600 GAL. NEEDED = 80 cu ft.

$80 \text{ cu ft.} / 40 \text{ sq. ft.} = 2' = 24"$ OK

PUMP RATE - 16 PERFORATIONS $\times 3 = 48 \times 1.63 \text{ gpm} = 78.24 \text{ gpm}$ OK

SANITARY/ENVIRONMENTAL ENG., INC.

Consulting Engineers
1414 Washington Road
WESTMINSTER, MARYLAND 21157
(410) 876-7740
FAX (410) 840-9924

JOB LOT 1 EDWARDS

SHEET NO. 2

OF

CALCULATED BY JDC

DATE

CHECKED BY

DATE

SCALE

TDH

ELEV. DIFFERENCE - $486.66 - 464.90 = 21.76'$ ✓

DISTAL HEAD

$2.00'$ ✓

(shall be higher per data on Hydraulic Profile)

F- 2" (IN PUMP CHAMBER)

$6' + \text{ball valve} + 90^\circ + \text{union} + 90^\circ + 90^\circ$

$6' + 1.3' + 7' + 2' + 7' + 7' = 30.3'$

F- 2" - 78 gpm - 30.3' 2" PVC

$f = 0.0984 \frac{Q^{1.85}}{D^{4.87}} = \frac{78^{1.85} (3165.095)}{2.067^{4.87} (34.3327)} = 0.0984 \frac{3165}{34.33} = 9.1/100'$ ✓

$f = 0.303 \times 34.33 = 10.4'$ accepted

F- 3" = 300' + 45' + 90' + T

$300' + 6' + 15' + 10' = 331 \text{ eq. feet}$

F- 3" - 78 gpm - 331' 3" PVC

$f = 0.0984 \frac{3165}{3.068^{4.87}} = \frac{3165}{234.96} = 0.0984 \frac{3165}{234.96} = 1.32'/100'$

$f = 1.32 \times 3.31 = 4.4'$ OK

TOTAL F = $10.4' + 4.4' = 14.8'$ OK

TDH = $21.76 + 2.00 + 14.8 = 38.56 = 39'$ OK

Pump to REMOVE 78 gpm AGAINST 39' TDH -

Pump to BE GOULDS - MODEL 3885 - WE 15 H, 1/2 hp
OR EQUAL.

see pump curv on plan OK

WE 15 H

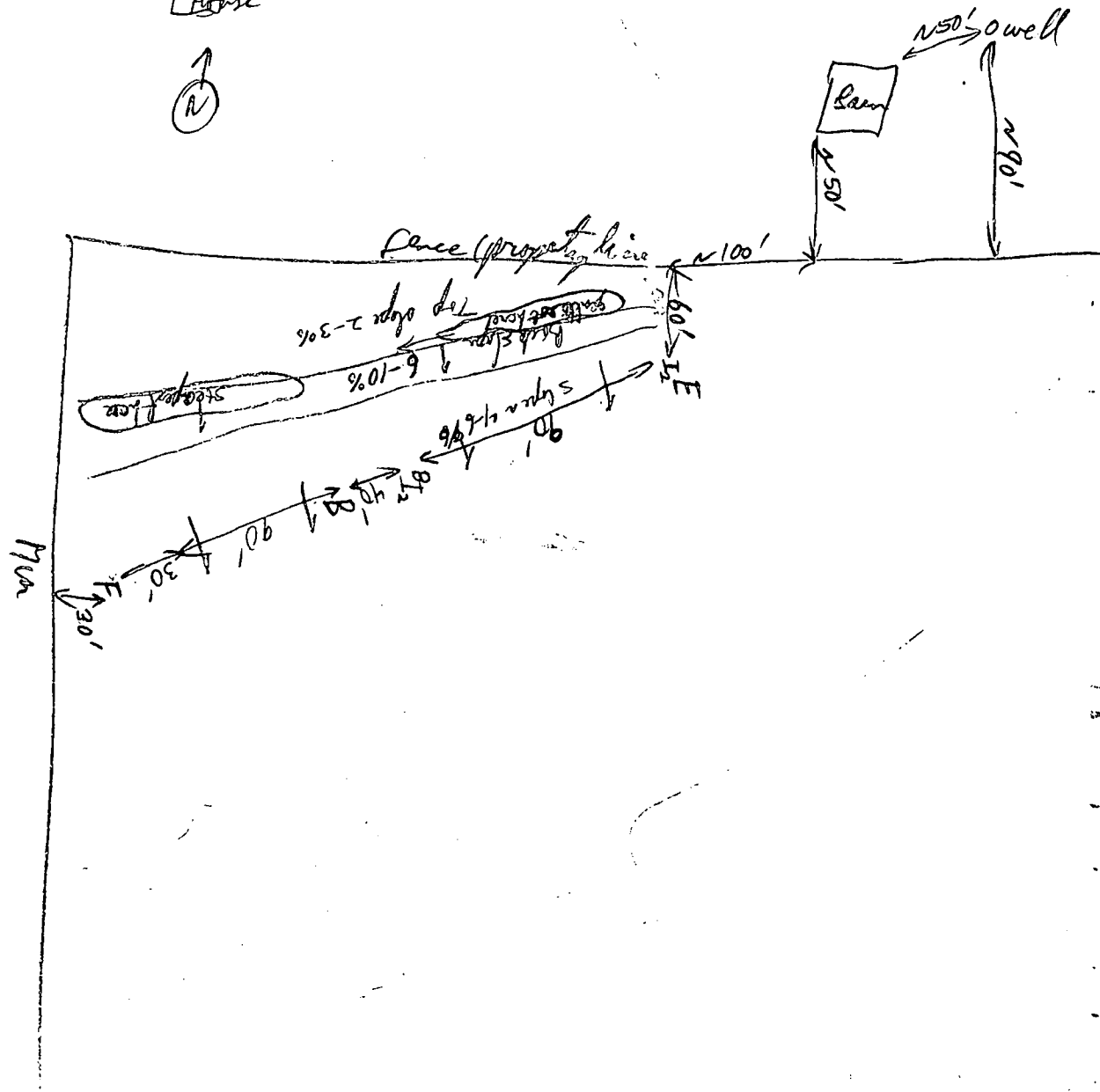
WE 20 H

TEST DATA

NAME Canby Prop lot 5 (Edwards) FILE NO A 56497
 LOCATION E/S Mink Hollow Rd COUNTY Howard
 DATE 5/2/26 GRID _____ E
 RECORDED BY R. Pinkley _____ N

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
E	I _{E2}	18-24'	10:40 11:15 11:34 11:55 12:16 12:37 1:03 1:17 2:17	15 min lot 1/2" 75 min lot 1/2" 160 mpi OK steady drop pulled	7" even 6 13/16" 6 10/16" 6 9/12" 6 6/16" 6 7/32" 6 1/16" 5 15/16" 5 9/16"	in yel Brn L-SCL Moist From yesterday's rain
B	I _{B2}	22-29'	10:56 11:16 11:35 11:56 12:18 12:38 1:05 1:26 2:09	129 min lot 1/2" 276 mpi pulled	7" even 6 15/16" 6 27/32" 6 12/16" 6 23/32" 6 9/16" 6 1/2" 6 3/8" 6 3/16"	Into Red - Red Ben gravelly hSL-SCL. one back - rescaled around outer rim (leakage stopped by second scaling)
F	I _{F2}	19-25"	11:10 11:32 11:53 12:13 12:35 1:00 1:23 1:53	110 min lot 1/2" 264 mpi pulled	7" even 6 14/16" 6 12/16" 6 11/16" 6 19/32" 6 1/2" 6 13/32" 6 1/4"	into yel Ben - Brn - Red Ben hL-SCL

House



TEST DATA

NAME	Canby Property (Edwards Owner)	FILE NO	A56497
LOCATION	Mink Hollow Rd	COUNTY	Howard
		DATE	4/22/96
		GRID	E
RECORDED BY	R Pinkley		N

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
A	I ₁	17"-21½"	2:59:00 3:36 4:02 4:39		7" even 6¼" 6" even 5½"	in Brown wet Topsoil just above yel Ban Si CL wet manure. (water seepage observed at shell bottom at 22") (pulled to use elsewhere) site topography unsuitable - Hole A in depression / center line of road. Water Table at 20" below grade at 5:20
B	I ₂	20-25½"	3:47:40 3:48:30	Stopped - Leaks due to leaks	6 7/16" 5 3/8"	Fast drop due to storage area of soil - imperfect seal - leakage observed.
C	I ₃	21-28"	4:15:30 4:56 5:19 5:48 6:30 6:47 7:05	9/16 in 30 min 11/16 in 42 min 11/16 in 35	7" 6½" 6 3/16" 5 5/8" 4 15/16" 4 1/4"	in Red CL layer, [WT @ 42" at 5:50] [WT at 39" at 7:30]
B	perc B	27"	4:30:01 4:42 5:27 6:35 6:47	60 min lot 80 min perc	Tip-Top Nail Still on Top Nail 2nd Nail Tip 3rd Nail Hit 3rd Nail	in Red Brn - yel Red clay loam

(Edwards - owner)

NAME Carby Property lot 5, Nink Hollow COUNTY Howard FILE NO A56497
 SOIL MAP UNIT Glenville, Chester MAP SYMBOL GnA, ChR DATE 4/23/96
 GEOLOGIC MATERIAL _____ ELEVATION _____ GRID NO _____ E
 NO. A DESCRIBED BY R. Pinkley _____ N

Horizon	Depth in.	Color		Texture	Structure		% Rock Fragments	Notes (Moisture, Density, Biopores, Seepage)
		Matrix	Mottles		Grade	Type		
	0-4"	10YR 3/4 dark Brn	—	sil-hsil	crumb	3m-f	—	Moist - v. Moist about 20% clay
	4-11"	10YR 4/4 dark Brn	—	hsil	2R	sbk	—	v. Moist about 20-22% clay
	11-16"	10YR 3/2 dark Brn	—	hsil	(150 wet h) 25-m sbk	sbk	—	wet - saturated - water skins about 1" rubber about 20-22% clay
	16-18"	10YR 5/6 yellow	—	sil-cl-hsil	2vf-f	sbk	—	wet - saturated about 27% clay
	18-29"	10YR 5/8 yellow	—	sil-cl-hsil	2vf-f	sbk	—	wet saturated about 27% clay about 1-1 1/2" rubber
	Water Table at 2 1/2 ft after 6 hrs (free water seepage at 25 ± 1")							
	est about 4 ft ±	10YR 5/8 yellow	C2d 10YR 7/1 C1F 10YR 5/4 C1d 7.5YR 5/8	hsil-sil-cl	2vf-f	sbk	—	Moist about 25%-28% clay

LANDSCAPE

Position

Summit _____ Depression ☒
 Shoulder _____ Upland _____
 Sideslope _____ Terrace ☒
 Footslope ☒ Floodplain _____

Slope

Percent 1-3%
 Shape 4

SOIL DRAINAGE CLASS

ED _____ MWD ☒ PD _____
 WD _____ SPD _____ VPD _____

WATER TABLE

2 1/2 ft

LIMITING ZONE

WT = 21" or less

Site Not usable for SM
 15 in center of Depression - scale
 SOIL CLASSIFICATION

Glenville/Chester

* Horaeah shaped sandstone with a
 Cong center Kroll (only 2' above top part)

Hole B

0-8" v dark Brn (10YR 3/4 - 3/3) loam 3f granular moist { < 5% gravel
 8-15" dark Brn-brn 10YR 4/3 - 1/2 loam 2f s6k - fgrm. Moist
 15-26" reddish yel 2.5YR 5/6 hL-CL 2f-m s6k moist cobbly 20%
 26-48" reddish yel 2.5YR 5/6 1-2 f-m s6k moist v. cobbly 20%
 48-50" (Mottled red Brn - yel red c1d - fid) CL m2-2d hL 1m s6k Moist - v. Moist
 Water seepage slow begin at 48-50" (backfilled - No long w.T. measurements)

Hole C 0-9" dark Brn (10YR 3/2 - 3/3) L-SL fgrm - single Moist
 9-26" yel red (2.5YR 5/8) CL Moist
 26-48" Mix yel red } oppuno hL- Moist
 + yel Brn } Mottled
 water rising from 48" shelf - seepage at 44-45"

Hole D 0-9" dark gray Brn (10YR 3/2 - 3/2) L- fgrm Moist
 9-26" yel Brn - str Brn (10YR 7.5YR 5/6) CL-hL Moist - v. Moist
 26-40" Mix yel Brn - yel red CL }
 and red SL-L }
 active water seepage everywhere below 40" w.T. at 4 1/2 ft & rising at start
 40-60" yel yel & m-c2-3p gray (10YR 6/4 - 7/1) to blue gray (2.5YR 6/1) Mottled CL
 and mixed m3p red loam

water at 36" by 7 PM

Hole E 0-9" dark Brn (5YR 4/3) loam Moist
 9-18" str red Brn hL Moist
 18-35" yel Brn (10YR 5/6) s1cl v. Moist
 35-45" yel Brn (10YR 5/6) hL (moss) L Moist - v. Moist - wet
 with 2f red Brn & yel Brn Mottles
 45-60" Red (2.5YR 5/6) + 2f Black loam FSL - Mossy, wet
 & c2-3d gray (10YR 8/1 - 7/3) Mottles
 60-78" coarse and water table at 5', water seepage at 4'-4 1/2", w.T. at 4 1/2 ft

Hole F 0-12" dark Brn 10YR 4/3 - 3/2 loam. gran - s6k & depth Moist
 12-20" str dark Brn SL Moist in s6k.
 21-36" dull gray (2.5YR 6/6) FSL moist in s6k - mossy
 36-48" red + orange m3p SL-SCL v. Moist Mossy
 48-70" yel & reddish yel SCL-hSCL Mossy (v. Moist - wet)
 & m-c3p gray (5YR 8/6)
 Water seepage @ 52", w.T. @ 5 ft @ 7 PM

301-596-9147 TEST DATA

NAME	Conby Prop lot 5 (Edwards corner)	FILE NO	A56497
LOCATION	Mink Hollow Rd	COUNTY	Howard
		DATE	4/22/96
		GRID	
RECORDED BY	Ron Pinkley		

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
D	Ly	17-24	5:02:00 5:17 5:47 6:29 6:59	> 7/16 in 30 min 6 13/16" 6 3/8" 5 15/16" 5 8/16"	7" even 6 13/16" 6 3/8" 5 15/16" 5 8/16"	water seepage at 40" in c 3/2 grey and red brn mottles below 40" - Test in yel brn, v. moist CL [W.T. at 44° @ 5:40] VT at 36" @ 5:17
				68 psi		
E	perc E	31"	5:58 6:33 7:15	> 35 min 42 psi	Top Nail Top 2nd Nail 3rd Nail	in yel brn LSL-SIL
F	perc F	32"	6:25 6:36 7:15	rank in 40 min No H ₂ O ex. ant	Top Nail Top " " " water still at Top Nail	into red. SL-LSL
				Too Slow		

TEST DATA

Note Times given on watch were 20 min slower than actual.

NAME Carby Properties Co. (Edwards) FILE NO A56497
 LOCATION Elk Mink Hollow Rd COUNTY Howard
 DATE 5/2/96
 GRID _____ E
 RECORDED BY R. R. R. R. N

Note per log of H. Montague (H.W. #8) water tables were 4 ft above then section in 1997 + 1998 May wet season soil 6 ft below surface in 1993.

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
F	IF ₁	14-21"	2:41 3:01 3:36		7" even 6 29/32" 6 3/4"	in Brn (gray Brn) LSL-SL
			4:06 4:36 5:08	180 mpi	6 9/16 6 15/32 6 1/4"	
B	IB ₁	14-19 1/2"	2:36 2:56 3:35		7" even 6 3/4" 6 7/16"	in red LSL
			4:04 4:35 5:04	120 mpi	6 1/4" 5 15/16" 5 7/8"	
E	IE ₁	14-20 1/2"	2:30 2:51 3:32		7" even 6 1/2" 6" even	in some yel Brn LSL-SiCl
			4:03 4:33 5:03	90 mpi	5 5/8" 5 11/32 5" even	

August 1, 1996

Mr. Howard D. Edwards
6645 Mink Hollow Road
Highland, Maryland 20777

RE: Percolation Test Application
Number: A56497
Recorded Lot
William Canby Property - Lot 5
Mink Hollow Road

Dear Mr. Edwards:

RATES ~~notes~~ Percolation testing conducted on April 22 and May 2, 1996 on the above referenced property indicated unsatisfactory soil conditions for a conventional sewage disposal system. [Limiting conditions were marginally slow percolation and seasonally high water tables.] Copies of the percolation test results are enclosed.

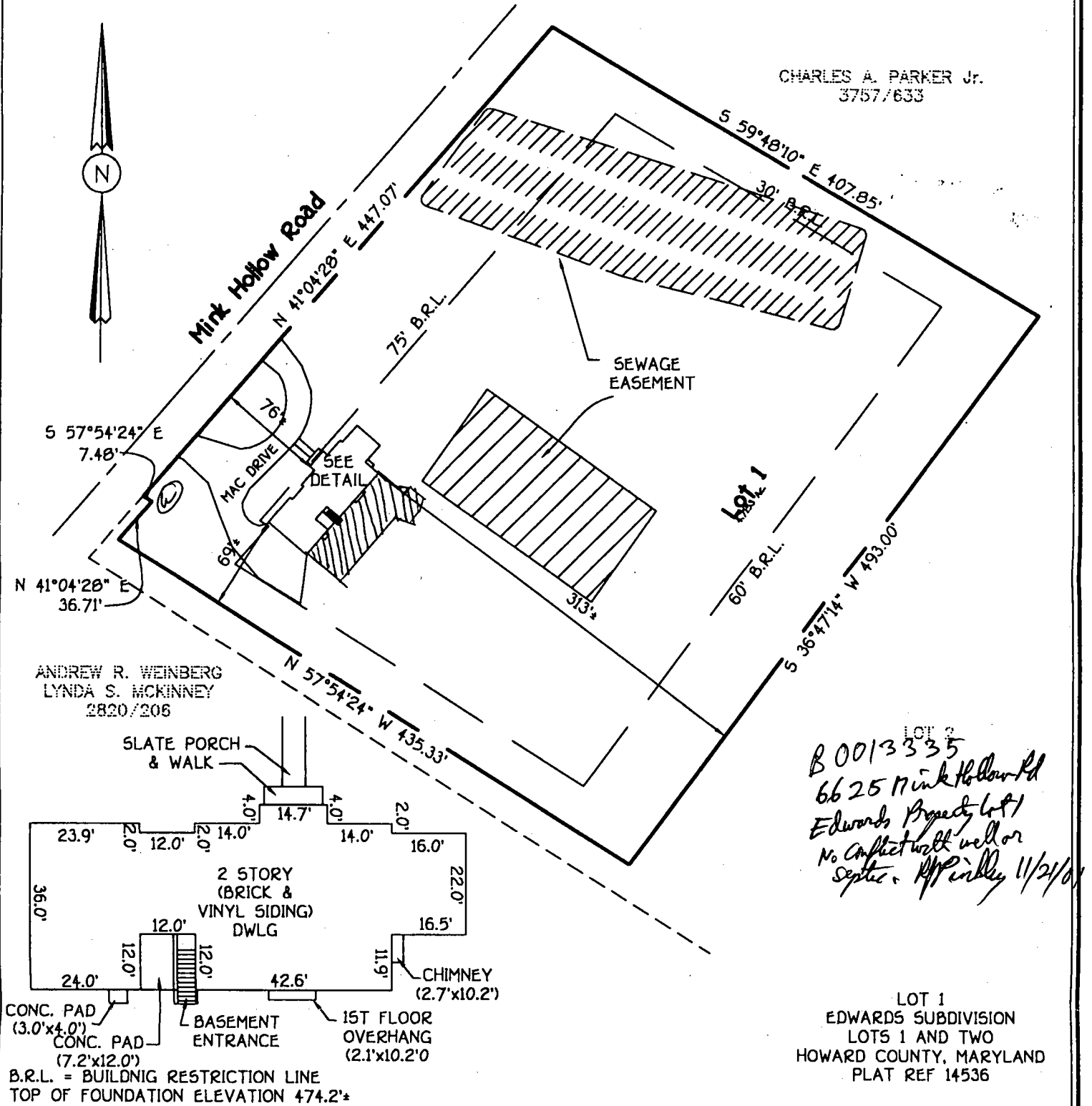
THE CONDITIONS OBSERVED WERE WITHIN THE RANGE
However, topographic features, water table measurements, and infiltrameter percolation rates suggested potential suitability for an alternative type sand mound sewage disposal system.

Further review is contingent upon submission by a registered engineer or by a registered sanitarian in private practice, of a percolation certification plat specifically tailored to a sand mound system. The plan should establish sufficient area for an initial ^{SYSTEM} installed and at least one repair, with sufficient buffer area to allow access and egress during construction. No trafficking or any soil disturbance will be permitted within 20 feet of the designated sand mound area.

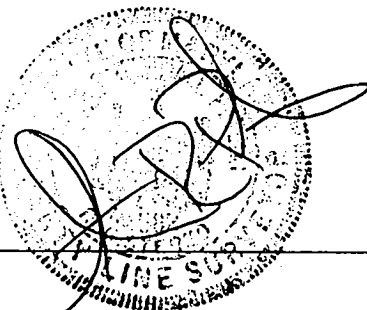
Once a designated sand mound area has been established, ^{COULD BE NECESSARY} the property would be considered eligible for well permit application. A fully detailed sand mound design plan will then be required prior to building permit approval.

GENERAL NOTES:

- 1) THIS PLAT IS PREPARED FOR THE BENEFIT OF THE CLIENT SIGNING THE HOUSE LOCATION SURVEY APPROVAL FORM INsofar AS IT IS REQUIRED BY A LENDER OR TITLE INSURANCE COMPANY OR ITS AGENTS IN CONNECTION WITH THE CONTEMPLATED TRANSFER, FINANCING OR RE-FINANCING. UNLESS INDICATED AS BEING A BOUNDARY SURVEY, THIS PLAT IS NOT INTENDED FOR USE IN THE ESTABLISHMENT OF PROPERTY LINES AND IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATIONS OF FENCES, GARAGES, BUILDINGS OR OTHER EXISTING OR FUTURE IMPROVEMENTS. AS A RESULT, THIS PLAT DOES NOT PROVIDE FOR ACCURATE IDENTIFICATION OF PROPERTY LINE, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING OR RE-FINANCING.
- 2) SUBJECT PROPERTY IS SHOWN IN ZONE C ON THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP OF HOWARD COUNTY, MARYLAND, COMMUNITY PANEL No. 240044 0032 B, EFFECTIVE DATE: DEC. 4, 1986.
- 3) THE OFFSETS FROM BUILDING LINE TO PROPERTY LINE AS SHOWN ON THE PLAT HEREON ARE TO AN ACCURACY OF 1' PLUS OR MINUS (+).
- 4) NO TITLE REPORT FURNISHED, SUBJECT TO ALL EASEMENTS AND CONDITIONS OF RECORD.



FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLCOTT CITY, MARYLAND 21042
(410) 481 - 2835



PROFESSIONAL LAND SURVEYOR
REG. # 582
DATE 10/16/01

HOUSE LOCATION DRAWING

FOUNDATION LOCATION: 5/01/01
FINAL LOCATION: 10/16/01
BOUNDARY SURVEY:

SCALE: 1"=100'
DATE: 5/02/01
DRAWN BY: A.K.O.
CHECKED BY: S.R.P.
PROJECT No.: 61609

7/26/00

RICHARD HALLOWELL
and
RUSSELL B. ZEPP,

Complainants

and

MARY C. BRANDT
and
ROBERT BRANDT and
JAN BRANDT, his wife

Intervening Complainants

-v-

HOWARD COUNTY, MARYLAND
et al.

Defendants

:
:
: IN THE CIRCUIT COURT
:
:
: FOR HOWARD COUNTY
:
: NO. 9186 EQUITY

: : : : : : : : : : :

D E C R E E

The bill of complaint of Richard Hallowell and others against Howard County, Maryland for a declaratory judgment and for injunctive relief coming on for hearing, and being submitted, evidence and stipulations were introduced in open court, counsel were heard and the proceedings read and considered.

It is, thereupon, this 6th day of January, 1975, by the Circuit Court for Howard County, sitting in Equity, for the reasons set forth in the foregoing opinion, Adjudged, Ordered, Declared and Decreed as follows:

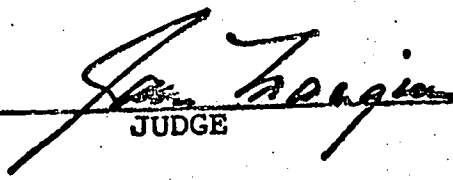
(1) That that part of Council Bill No. 4, of the County Council of Howard County, 1974 Legislative Session, enacted on March 5, 1974, which reads as follows: "All divisions of land shall meet such standards as the Subdivision Regulations now require or might hereafter require," be, and the same is hereby

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declared to be invalid.

(2) That all of the remainder of said bill be,
and the same is hereby declared to be, valid.

(3) That one half of the costs of these proceedings
be paid by the complainants, pro rata, and the other one half
be paid by Howard County.


JUDGE

CC:

Richard B. Talkin, Esquire
Joel Marc Abramson, Esquire
Office of Law, Howard County
Bernard F. Goldberg, Esquire

RICHARD HALLOWELL
and
RUSSELL B. ZEPP,

Complainants

and

MARY C. BRANDT
and
ROBERT BRANDT and
JAN BRANDT, his wife

Intervening Complainants

-v-

HOWARD COUNTY, MARYLAND
et al.

Defendants

:
:
: IN THE CIRCUIT COURT
:
: FOR HOWARD COUNTY
:
: NO. 9186 EQUITY

: : : : : : : : : :

OPINION

The complainants in this case filed a bill in equity against the County in which they attack Council Bill No. 4, enacted, with amendments, on March 5, 1974. The bill is titled "An Act to repeal and re-enact with amendments Title 16 'Planning, Zoning and Subdivision Control,' Subtitle 1 'Subdivision Control,' Section 16.100 (A) 'Definitions,' of the Howard County Code." The bill alleges that the Council Bill is invalid and unconstitutional because (1) the title to it was defective and misleading, (2) the advertisement and publication of it was defective and inadequate, (3) it violated Section 209 (b) of the Howard County Charter, (4) it embraced more than one subject, (5) it was passed on a Tuesday

FILED
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(March 5) in violation of Section 208 (c) of the Charter, (6) amendments 1, 2, 3 and 4 were substantive in nature and were passed in violation of the rules and procedure set forth in Section 2.306 of the Howard County Code, and (7) it was not recorded after its enactment as provided by Section 210 (a) of the Charter.

The fifth, sixth and seventh grounds asserted for the invalidity of the bill were not pressed in argument before this Court and it is assumed that they were abandoned. In fact, the allegation that the bill was passed on March 5, 1974 was amended to read March 4, 1974. No issue was raised by the County as to the standing of the complainants, who alleged that they were property owners and taxpayers.

The bill of the complainants sought a declaratory judgment as to the validity of the legislation in question and also sought a temporary restraining order against its enforcement pending a hearing on its validity. No temporary restraining order was issued and that aspect of the relief sought is now moot.

The text of the enacted bill is as follows:

"Section 16.100 - Definitions

A. The term 'Subdivision' means any division of a parcel of land into five (5) or more lots or parcels for the purpose, whether immediate or future, of transfer of ownership, sale, lease, financing or building development: The term includes resubdivision and, when appropriate to the context, shall relate to the process of subdividing or to the land subdivided. The term excludes: (1) divisions into four (4) or fewer lots; (2) divisions of parcels of land situated outside the Metropolitan District and having a gross area of less than five (5)

acres; (3) divisions of parcels of land into lots of a gross area of twenty (20) acres or more where each lot has an approved access to a maintained public street, and (4) divisions of parcels of land into lots having a gross area of forty (40) acres or more. All divisions of land shall meet such standards as the Subdivision Regulations now require or might hereafter require, provided that nothing herein contained shall be construed to apply to conveyances by which the particular grantee thereunder acquires adjoining and contiguous land to that which he already owns.

Section 2. And be it further enacted by the County Council of Howard County, Maryland, that this act shall take effect sixty (60) days after enactment.

This Bill, having been approved by the Executive and returned to the Council, stands enacted on March 5, 1974."

Section 209. (b) "TITLES", of the County Charter, which reads "Each law enacted by the Council shall embrace but one subject and that subject shall be described in its title; and no law or section of law shall be revised or amended by reference to its title or section only.", contains almost the identical wording of Section 29 of Article 111 of the Constitution of Maryland. Consequently the rules applied by the Court of Appeals in determining the validity of legislation enacted by the General Assembly are applicable to legislation enacted by the County, under its Charter. Cf. Roland Electric Co. v. Baltimore, 210 Md. 396, 403, and McBriety v. Baltimore City, 219 Md. 223, 240.

It has been "repeatedly decided that a correct title description of an act by Code Article and section designations is a compliance with the constitutional requirement." Dean v. Slacum, 149 Md. 578, 580, Pressman v. State Tax Commission, 204 Md. 78, 93

In fact, it was held in Second German Building Association v. Newman, 50 Md. 62, that the title to an act reading merely "An Act to amend Article ninety-five of the Code of Public General Laws, by adding an additional section thereto." was a compliance with the constitutional provision herein quoted. The act in question here not only designates the code article and section but states the title and subtitle, the latter being "Subdivision Control". It was said in Baltimore v. Stewart, 92 Md. 535, 548, that "It never has been understood that the title of a statute should disclose the details embodied in the Act. It is intended simply to indicate the subject to which the statute relates." The title in question here clearly indicates the subject matter of the act.

The main thrust of the plaintiffs' attack, however, is on the inclusion in the act of the second paragraph of Amendment No. 3 to the bill. This second paragraph of Amendment No. 3 reads "All divisions of land shall meet such standards as the Subdivision Regulations now require or might hereafter require." It is contended that this provision has nothing to do with definitions and is ambiguous in that it purports to cover all divisions of land within the County, whether or not such divisions fall within the definition of the term "Subdivision" and that if it should be construed to cover all divisions of land, within or without the ambit of the term, then it introduced foreign matter in the bill, of which the public was given no notice, either by titling, hereinbefore referred to, or the public notice of the public hearing on the bill which simply mentioned as its subject "Definitions" under the heading of "Subdivision Control". See Whitman v. State of Maryland, 80 Md. 410, Painter v. Mattfeld, 119 Md. 466, and Anne Arundel County v. Moushabek, 269 Md. 41.

The quoted language under attack does not, of course, have anything to do with the definition of a subdivision. For some inexplicable reason, the Council, in inserting this language by way of an amendment, overleaped itself. If the words "All divisions of land" refer to such a division as is embraced with the term "Subdivision", then Sections 16.102 and 16.103 of the County Code amply and properly cover the matter. If the words mean that the subdivision regulations shall apply to all divisions of land whether they do or do not fall within the term "Subdivision" then the contentions of the plaintiffs have weight. In Painter v. Mattfeldt, supra, it was held that the title of the act must not be misleading by apparently limiting the enactment to a much narrower scope than the body of the act is made to compass. To the same effect was the holding in Whitman v. State, supra.

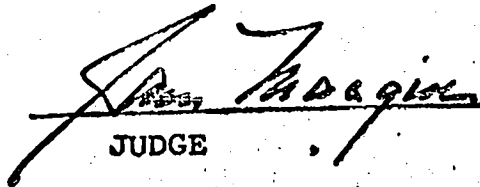
However, it has been said that "For testing conformity of a title to this constitutional requirement (Section 29 of Article 111), there is enjoined upon the courts a disposition to uphold rather than to defeat the enactment." Board of Education v. Wheat, 174 Md. 314, 318, and that "The general rule of its construction is that every presumption favors the validity of the statute, and reasonable doubt is enough to sustain it." Leonard v. County Commissioners of St. Mary's County, 214 Md. 287, 299. This Court thinks that a reasonable construction of the language in question is that it refers to divisions of land falling within the definition of "Subdivision" and not to land specifically excluded from that term as defined.

Having reached this conclusion, however, the fact remains that the sentence in question does introduce irrelevant and discordant matter into the statute, although to an insignificant degree. Obviously, the whole purpose of the act was to define what was intended to be regulated. Anyone reading the title was bound to understand this by reference to the words "Subdivision Control". It was said in Davis v. State, 7 Md. 151, 160, that "We are not prepared to say, that a whole law, otherwise constitutional, would be rendered void by the introduction of a single foreign or irrelevant subject into it, and where such subject was not indicated in the title. In such a case the irrelevant matter would be rejected as void, while the principal subject of the law would be supported, if properly described in the title." See, also, Hagerstown v. Dechert, 32 Md. 369, 384. In that case the Court of Appeals adopted with approval the rule of construction laid down in Commonwealth v. Hitchings, 5 Gray, 482, as follows: "The constitutional and the unconstitutional provision may even be contained in the same section, and yet be perfectly distinct and separable, so that the first may stand, though the last fall. The point is, not whether they are contained in the same section, for the distribution into sections is purely artificial; but, whether they are essentially and inseparably connected in substance."

In determining whether that part of Amendment No. 3, contained in the second paragraph thereof, and embodied in Council Bill No. 4, namely, the directive that "All divisions of land shall meet such standards as the Subdivision Regulations now require or

might hereafter require.", is severable from the definitional part of the bill, the question must be answered as to whether the County Council would have enacted the bill if it had known that the part quoted was invalid. See: Baltimore City v. Stuyvesant Insurance Company, 226 Md. 379, 391. This Court concludes that the Council, if it had possessed the knowledge, would, nevertheless, have enacted the bill. As it has been observed, the sentence in question was not germane to the definitional part of the bill and a definition of the term "subdivision" was the essential preliminary to the imposition of control over such subdivision by means of regulations. Such regulations are provided for in section 16.102 and 16.103 of the County Code and are applicable to a subdivision as defined. Consequently, the severance of the sentence in question would not in any way frustrate the purpose of the bill and the sentence may, in fact, be considered superfluous. "The true test of separability is the effectiveness of an act to carry out, without its invalid portion the original legislative intent in enacting it...." Baltimore v. A. S. Abell Co. 218 Md. 273, 290. This Court finds that although that part of the bill discussed is invalid for the reasons assigned it is severable from the remainder of the bill, and that the remainder of the bill is valid. Cf. Anne Arundel County v. Mousabek, supra. This finding is made despite the absence of a saving clause in the bill. Of course, the presence of such a clause raises a presumption of separability, Baltimore v. A.S. Abell Co., supra, but it is merely an aid to interpretation and the absence of it does not foreclose the courts from applying the

rule of separability, as was done in Baltimore City v. Stuyvesant Insurance Co., supra. A decree will be entered in accordance with the conclusions reached.


JUDGE