

C.O.  
4-27-98  
12-1 PM  
7/20/98

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

05-4127695

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH

INDEXED

XXXXXXXXXXXX 410-313-2640

P 59924

A 37378

DISTRICT 5th

DATE 4-7-98

DATE SYSTEM APPROVED 4-28-98

INSPECTOR AM

New Dimensions IS PERMITTED TO INSTALL X ALTER

ADDRESS 3018 Bachman Road, Manchester, Maryland 21102 PHONE 410-239-4359

SUBDIVISION Dunfarmin Estates LOT 20 ROAD 14006 Angus Court

PROPERTY OWNER Bell and Marie Stutz

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 240

TRENCHES - Trench to be 3 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 5 feet below original grade. Effective area begins at 3 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place the distribution box 70 feet off the 255.70' lot line and 125 feet off the 469.96' lot line as seen when facing the lot from Angus Court. Run trenches on contour towards the 255.70' lot line.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. 2/19/98 OK AM

PLANS APPROVED BY Donna K. Soe DATE 03/17/98

COVER NO WORK UNTIL INSPECTED AND APPROVED

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

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

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

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

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

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

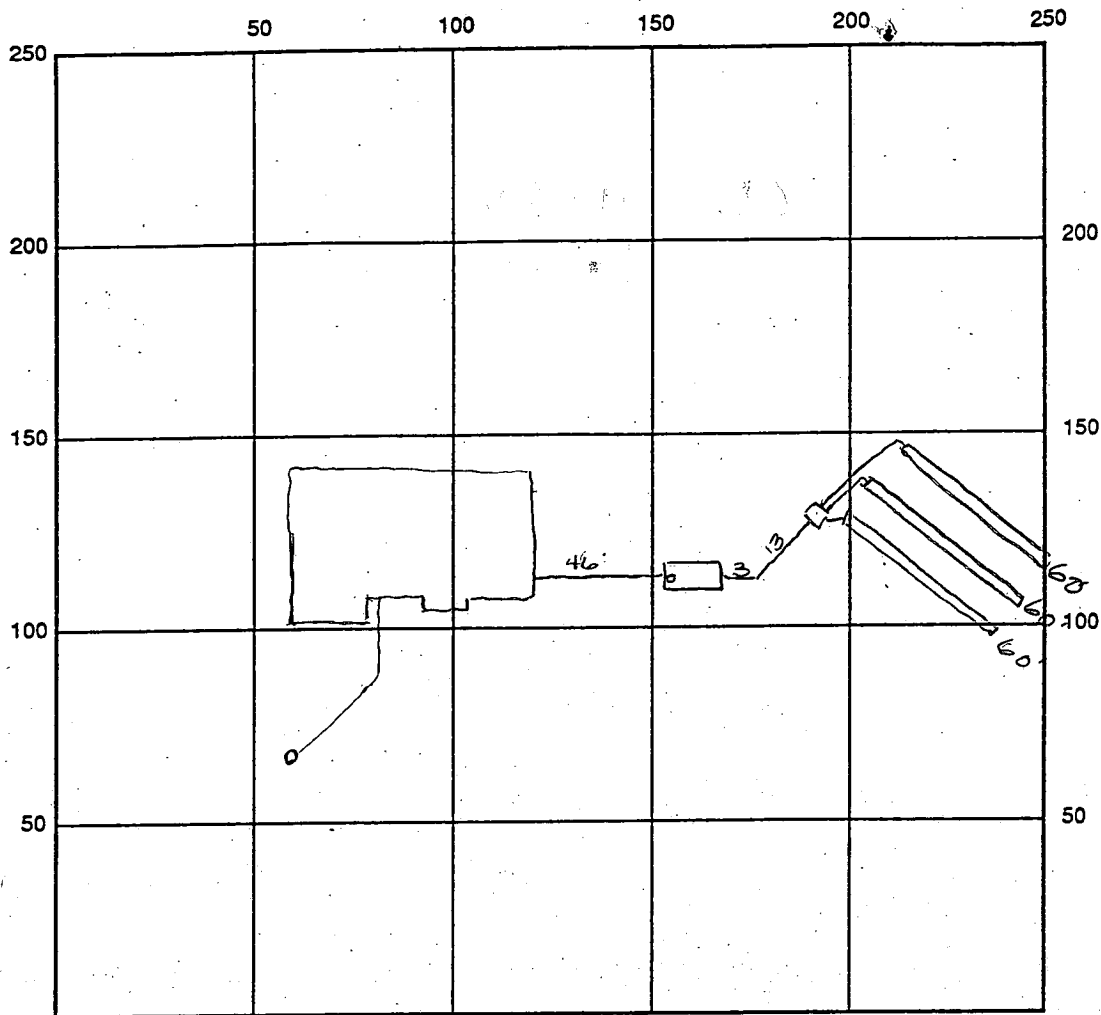
PERMIT VOID AFTER TWO YEARS

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

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

**\*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT**

A 37378



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL 1250 gal CLEANOUTS OK

DISTRIBUTION BOX LEVEL OK baffle 15 in

DRAIN FIELD/TITLE DEPTH 5.0 FT. TRENCH WIDTH 3.0 FT. INLET DEPTH 3.0 FT.

EFFECTIVE GRAVEL DEPTH 2.0 FT. TOTAL LENGTH 180 FT.

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 540 SQ. FT.

DRYWALL INSIDE DIAMETER      FT. EFFECTIVE DEPTH BELOW INLET 2.0 FT.

ABSORBENT AREA      SQ. FT.

REMARKS: 4/27/98 OK to cover house to septic tank & 4/28/98 OK to cover trenches

DATE SYSTEM APPROVED 4/28/98 INSPECTOR J. McMeel

# APPLICATION

A 37378

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 7-14-86

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 S-Turner Nichols & James S. Nichols

ADDRESS 13270 Tradelphian Mill Road PHONE 531-2585  
Clarksville

PROPERTY LOCATION:  
SUBDIVISION Dunfarmen LOT NO. X P/O Fuel Lot 7  
(cont 7+8)  
continued

ROAD AND DESCRIPTION Fee Simple Flag Stem lot  
off Highland Road

SIZE OF LOT 3 Ac TYPE BLDG. \_\_\_\_\_ NUMBER OF BEDROOMS \_\_\_\_\_

IF NOT SINGLE RESIDENCE DESCRIBE \_\_\_\_\_

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

SIGNATURE OF APPLICANT James S. Nichols

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_  
(KIND OF SYSTEM)

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_  
(KIND OF SYSTEM)

HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING 8-26-86 Pers. SATISFACTORY; Hold for Subdivision PLAT

Shallow Syst. only. J. Abel

**BLDG. PERMIT SIGNED**  
**AND RETURNED** 3/17/98  
Serial # B10710398  
SPD - Y. B...

# THIS IS NOT A PERMIT



4/27/98  
WPI

HOWARD COUNTY HEALTH DEPARTMENT  
Bureau of Environmental Health  
3525-H Ellicott Mills Drive  
Ellicott City, MD 21043  
~~410-313-2640~~ 410-313-2640

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation  Replacement  Receipt # \_\_\_\_\_ Date 4/7/98

Name of Installer NEW DIMENSIONS PLUMBING & EXCAVATION Telephone 410 239 4359

License Number 15443  
Certified Well Pump Installer  Well Driller  Registered Plumber

Name of Property Owner BILL STUTZ Telephone 410 379-0650  
Subdivision DUNFARMIN ESTATES Lot # 20 Well Tag # \_\_\_\_\_  
Site Address 14006 ANGUS CT

Pump  
1. Type  
a. Deep well jet \_\_\_\_\_  
b. Shallow well jet \_\_\_\_\_  
c. Submersible   
2. Make JACUZZI  
3. Model # \_\_\_\_\_  
4. Capacity 5 GPM  
5. Pump exceeds well capacity Yes \_\_\_\_\_ No   
6. If Yes, is low pressure cutoff switch installed? Yes \_\_\_\_\_ No   
7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors \_\_\_\_\_ Cable guards  Other \_\_\_\_\_

Motor  
1. Horsepower 1/2  
2. RPM \_\_\_\_\_  
3. Voltage \_\_\_\_\_  
a. 110 \_\_\_\_\_  
b. 220

Pitless Adapter  
1. Make CAMBELL  
2. Model # \_\_\_\_\_  
3. Depth 5 FT

Tank  
1. Capacity 36  
2. Pressure relief valve? YES

Piping  
1. Type 160PSI PLASTIC  
2. Size 1"  
3. NSF and/or BOCA Code approved YES  
4. Depth of supply line 42"

Well data  
1. Depth 245 ft.  
2. Yield 32 GPM  
3. Static water level 39 ft.  
4. Will water supply be disinfected by installer? YES

4/27/98 - Depth - 5 1/2'  
connection OK - pump  
not yet installed - OK to cover AW

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

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

Signature of Applicant: C. M. Boll

Date: 4/7/98

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



FIELD DATA SHEET  
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 81-2498  
 Location of property (road) ANGUS COURT  
 Subdivision DUNFARMIN ESTATES Lot 8 Block      Plat      Sec.       
 Well Driller JOSEPH MAYNE Owner NICHOLS, JAMES

Depth of well 245'  
 Distance of measuring point (M.P.) above ground 1/2'  
 Static water level (S.W.L.) below M.P. 25'

I. High rate pumping -- reservoir drawdown

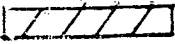
Time pump started 8:15 Pumping rate 20 gal.  
 Total time 45 min to reach pumping water level 213 ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE time to fill $\frac{1}{2}$ gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
8:30	125'	3 sec.		20
8:45	217	3		20
9:00	213	15		4
9:15	213	15		4
9:30	213	15		4
9:45	213	15		4
10:00	213	15		4
10:15	213	15		4
10:30	214	15		4
10:45	216	15		4
11:00	215	17		3 1/2
11:15	215	17		3 1/2
11:30	215	17		3 1/2
11:45	215	17		3 1/2
12:00	215	17		3 1/2
12:15	215	17		3 1/2
12:30	215	17		3 1/2
12:45	215	17		3 1/2
1:00	215	17		3 1/2
1:15	215	17		3 1/2
1:30	215	17		3 1/2
1:45	215	17		3 1/2
2:00	215	17		3 1/2
2:15	215	17		3 1/2
HD-224:30	215	17		3 1/2
2:45	215	17		3 1/2







This area designates 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 easements 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.

Percolation test holes shown hereon have been field located and shown as  $\odot$

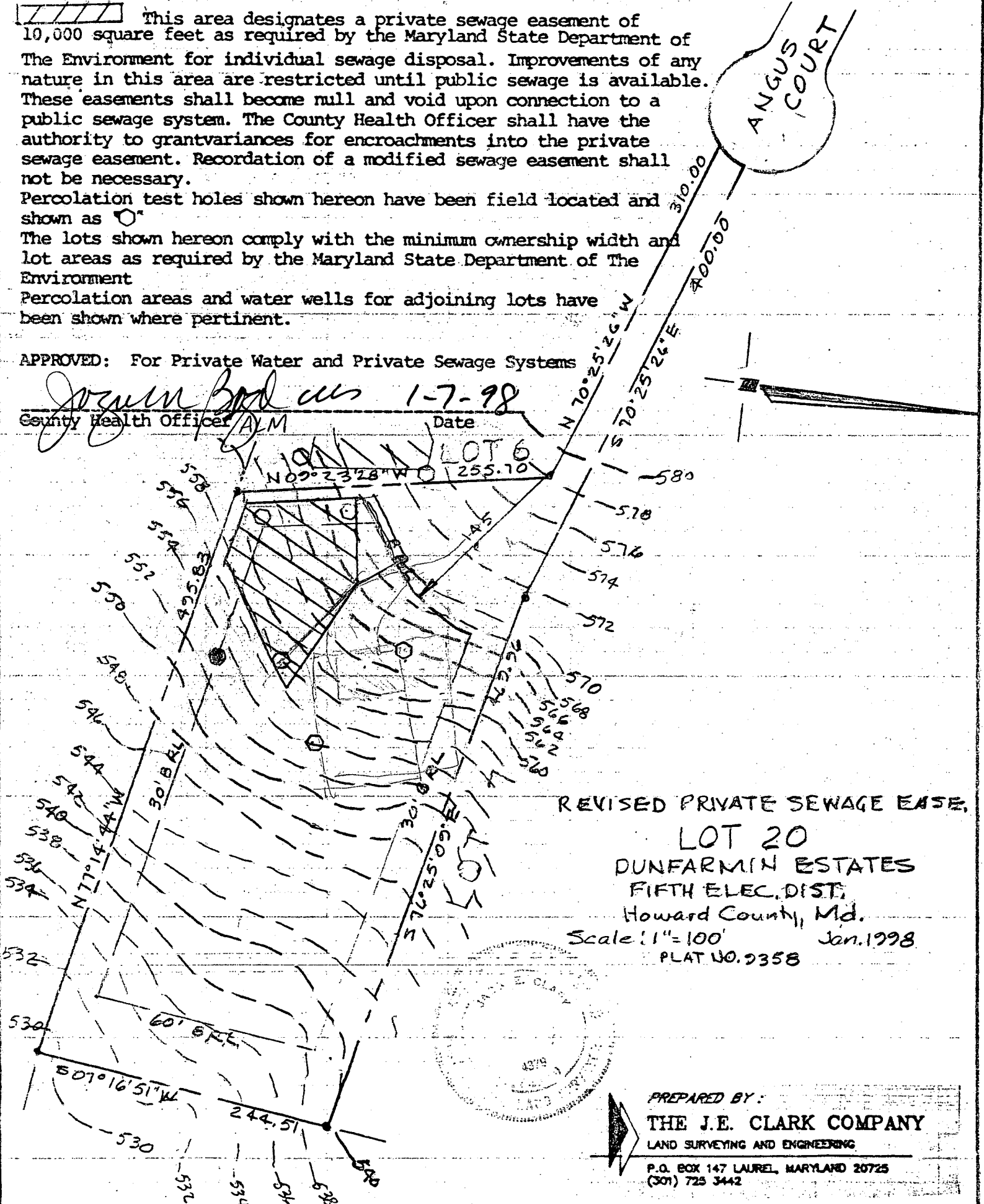
The lots shown hereon comply with the minimum ownership width and lot areas as required by the Maryland State Department of The Environment

Percolation areas and water wells for adjoining lots have been shown where pertinent.

APPROVED: For Private Water and Private Sewage Systems

*Joan Bodus* 1-7-98  
County Health Officer *ALM* Date

ANGUS COURT



REVISED PRIVATE SEWAGE EASE.

LOT 20  
DUNFARMIN ESTATES  
FIFTH ELEC. DIST.  
Howard County, Md.

Scale: 1" = 100' Jan. 1998  
PLAT NO. 9358



PREPARED BY:  
THE J.E. CLARK COMPANY  
LAND SURVEYING AND ENGINEERING

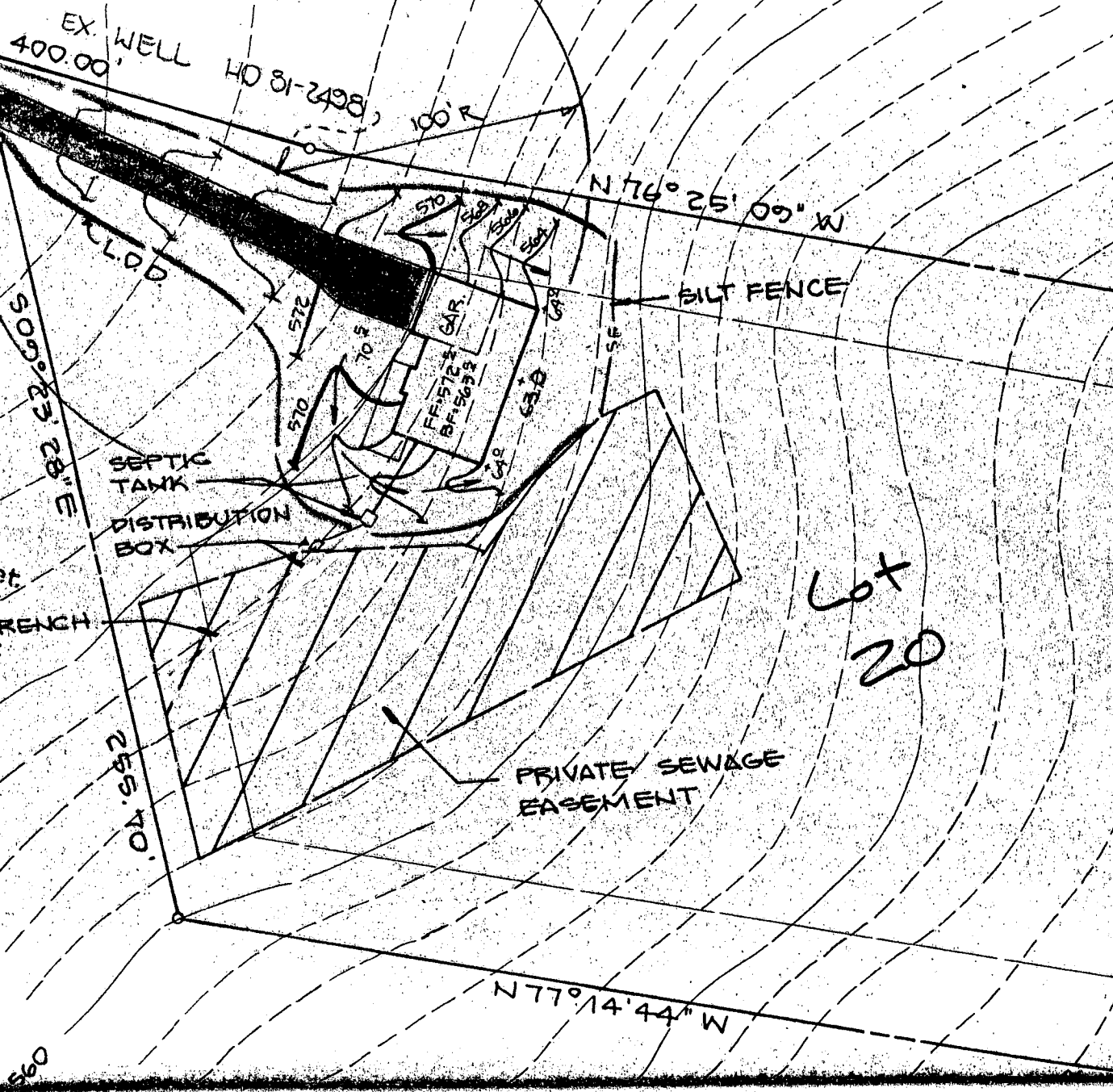
P.O. BOX 147 LAUREL, MARYLAND 20725  
(301) 725 3442

Approved Septic System Plan  
Howard County Health Department

*[Signature]*  
Signature

3/17/18  
Date

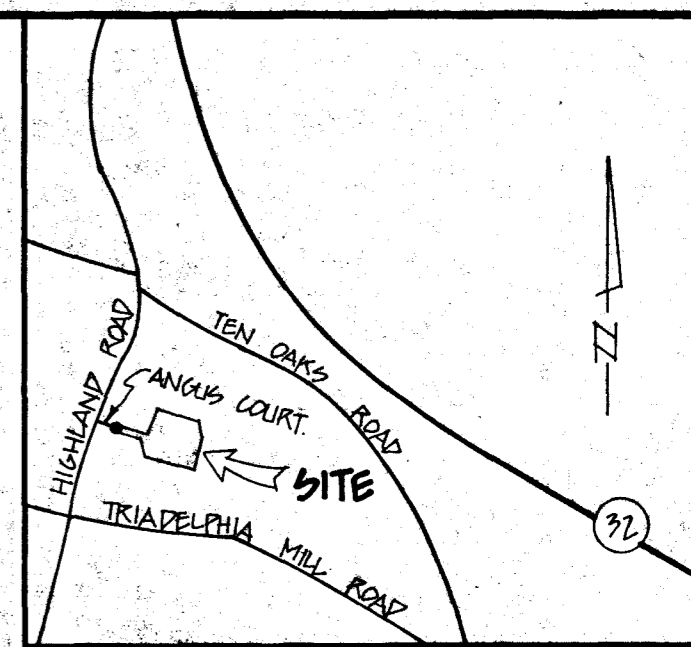
Total linear feet of trench required 240 feet  
Width of trench (es) 3 feet  
Depth of trench (es) 5 feet  
Total trenches required below distribution pipe 270 feet



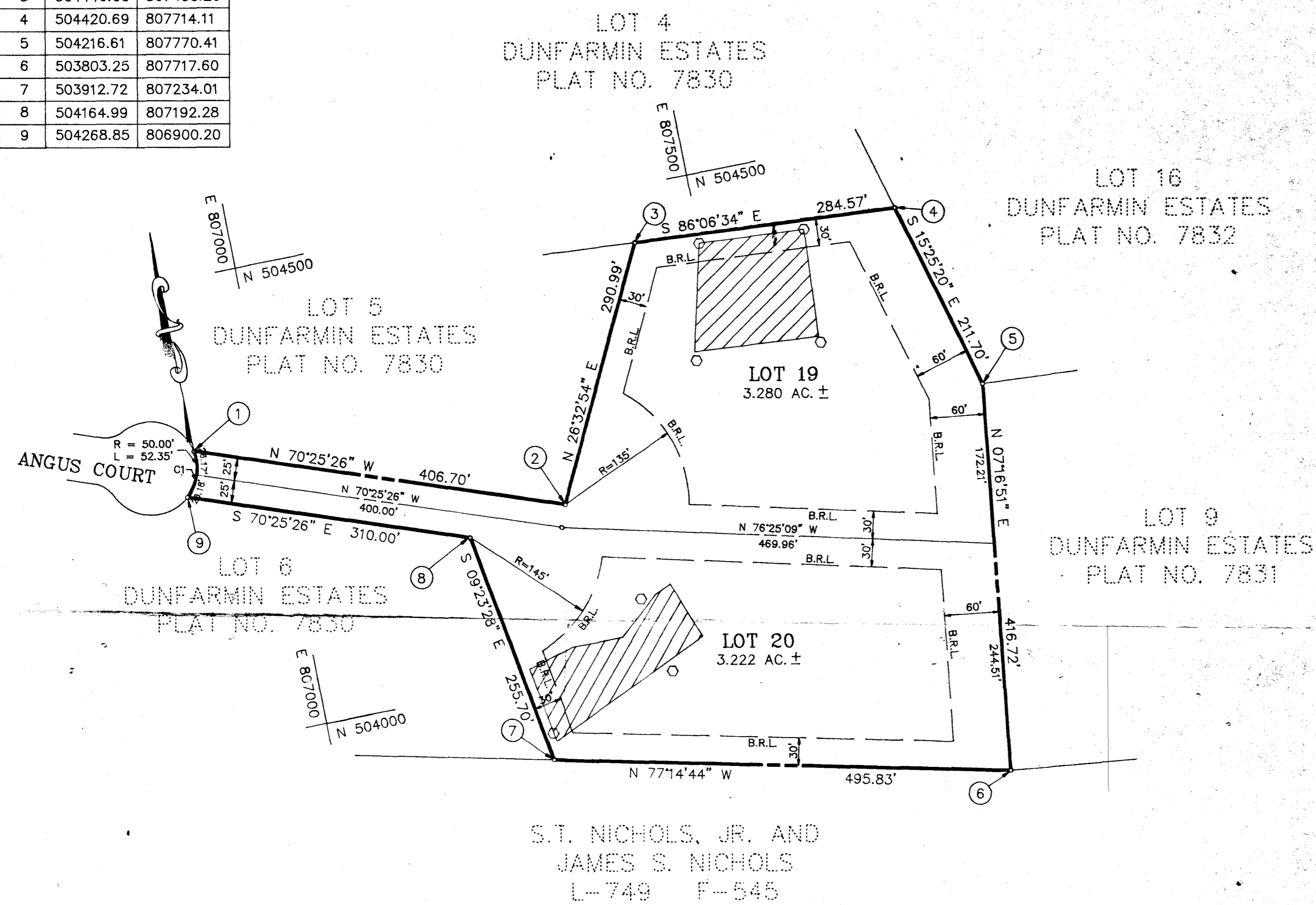
Lot  
20

COORDINATE TABLE		
NO	NORTH	EAST
1	504315.96	806916.96
2	504179.70	807300.15
3	504440.00	807430.20
4	504420.69	807714.11
5	504216.61	807770.41
6	503803.25	807717.60
7	503912.72	807234.01
8	504164.99	807192.28
9	504268.85	806900.20

CURVE DATA						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	50.00'	52.35'	28.86'	49.99'	N 19°34'37" E	59°59'08"



VICINITY MAP  
SCALE: 1" = 2000'



GENERAL NOTES

- B.R.L. INDICATES BUILDING RESTRICTION LINE
- INDICATES APPROVED PERC. AREAS. THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF 10,000 SQ.FT. AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF HEALTH AND MENTAL HYGENE FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENT OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEMS. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCE FOR ENCROACHMENTS INTO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
- SUBJECT PROPERTY IS ZONED R PER 8-2-85 COMPREHENSIVE ZONING PLAN
- THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTHS AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF HEALTH AND MENTAL HYGENE.
- CONCRETE MONUMENT ARE SHOWN THUS , IRON PIPES ARE SHOWN THUS , PERC. TEST HOLES ARE SHOWN THUS
- FOR FLAG OR PIPE STEM LOTS, REFUSE COLLECTION, SNOW REMOVAL AND ROAD MAINTAINANCE ARE PROVIDED TO THE JUNCTION OF A FLAG OR PIPE STEM AND ROAD RIGHT OF WAY LINE AND NOT TO THE FLAG OR PIPE STEM LOT DRIVEWAY.
- THE COORDINATES SHOWN HEKEON ARE BASED ON THE MARYLAND STATE GRID SYSTEM HOWARD COUNTY GEODETIC CONTROL POINT NO. 2635003 R AND NO. 2635002

PIPESTEM AREA TABLE			
LOT NO.	TOTAL LOT AREA	PIPESTEM AREA	RESULTING MIN. LOT AREA
19	3.280 AC.	0.233 AC.	3.047 AC.
20	3.222 AC.	0.178 AC.	3.044 AC.

TOTAL NUMBER OF LOTS = 2 LOTS  
 TOTAL AREA OF LOTS = 6.502 AC.  
 TOTAL AREA OF PLAT = 6.502 AC.

The purpose of this plat is to resubdivide Lot 7 to create new Lots 19 and 20

APPROVED: For Private Water & Private Sewer Systems.  
*James M. Boyd* 4/3/90  
 HOWARD COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.  
*James M. Boyd* 4/24/90  
 DIRECTOR DATE

APPROVED: For Storm Drainage System and Public Roads.  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.  
*James M. Boyd* 4/10/90  
 DIRECTOR DATE

OWNER'S CERTIFICATE

We, Samuel Turner Nichols Jr. and James Smallwood Nichols, owners of the property shown and described hereon, hereby adopt this plan of Resubdivision and in consideration of the approval of this plat by the Dept. of Planning & Zoning establish the minimum Building Restriction Lines all Easements of Right Of Way affecting the property are included in this plan of subdivision.

Witness our hands this 31 day of July, 1989

*Samuel Turner Nichols Jr.*  
 SAMUEL TURNER NICHOLS JR.

*James Smallwood Nichols*  
 JAMES SMALLWOOD NICHOLS

*Jack E. Clark*  
 WITNESS

*Jack E. Clark*  
 WITNESS

SURVEYOR'S CERTIFICATE

I hereby certify that the Final Plat shown hereon is correct, that it is a Resubdivision of Lot 7 of Dunfarmin Estates, Plat No. 7830 and that all monuments are in place or will be in place prior to the acceptance with the Annotated Code of Maryland, as amended.

*Jack E. Clark* 8-14-89  
 JACK E. CLARK DATE

Registered Professional Land Surveyor  
 Md. Registration No. 4379

RECORDED AS PLAT 9358 ON 4-30-90  
 AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND.

DUNFARMIN ESTATES  
 LOTS 19 & 20  
 A RESUBDIVISION OF LOT 7

REF.: S 86-68  
 P 87-47  
 F 88-96

FIFTH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND.

PREPARED BY:  
 THE J.E. CLARK COMPANY  
 LAND SURVEYING AND ENGINEERING  
 P.O. BOX 147 LAUREL, MARYLAND 20707  
 (301) 725 3442

TAX MAP: 34  
 PARCEL: 292  
 SCALE: 1" = 100'  
 DATE: JULY 1989  
 Rev-12-27-89

SHEET 1  
 OF 1