

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

05-407990

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

313-2640

INDEXED

P 50245

A 37375

DISTRICT 5th

DATE 8/30/94

DATE SYSTEM APPROVED 9-9-94

INSPECTOR ACW

* Time expired for RCOP compliance

Eric Adamson

IS PERMITTED TO INSTALL ALTER

ADDRESS 7825 McCellen Avenue, Boonsboro, Maryland 21713 PHONE 301-416-3968

SUBDIVISION Dunfarmin Estates LOT 5 ROAD 14001 Angus Court

PROPERTY OWNER Turner Nichols LARRY & LOUI Reynolds

ADDRESS

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

219
840
210
41840

210 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 187

TRENCHES - Trench to be 2 feet wide. Inlet 3 1/2 feet below original grade. Bottom maximum depth 8 feet below original grade. Effective area begins at 3 1/2 feet below original grade. 4 1/2 feet of stone below distribution pipe.

LOCATION - Beginning from the right rear lot corner, start the first trench 135 feet down the right (406.70') lot line and 75 feet off the right line as seen when facing property from Angus Court. Run trenches along contour towards the left (295.00') lot line.

NOTES - MAINTAIN MINIMUM 100 FEET FROM WELL (INCLUDING LOT 8) TO SEPTIC. No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 8/29/94 DKS

PLANS APPROVED BY Bert Nixon

DATE 02/02/88

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

BLDG. PERMIT SIGNED

PERMIT VOID AFTER TWO YEARS

AND RETURNED 4/27/95

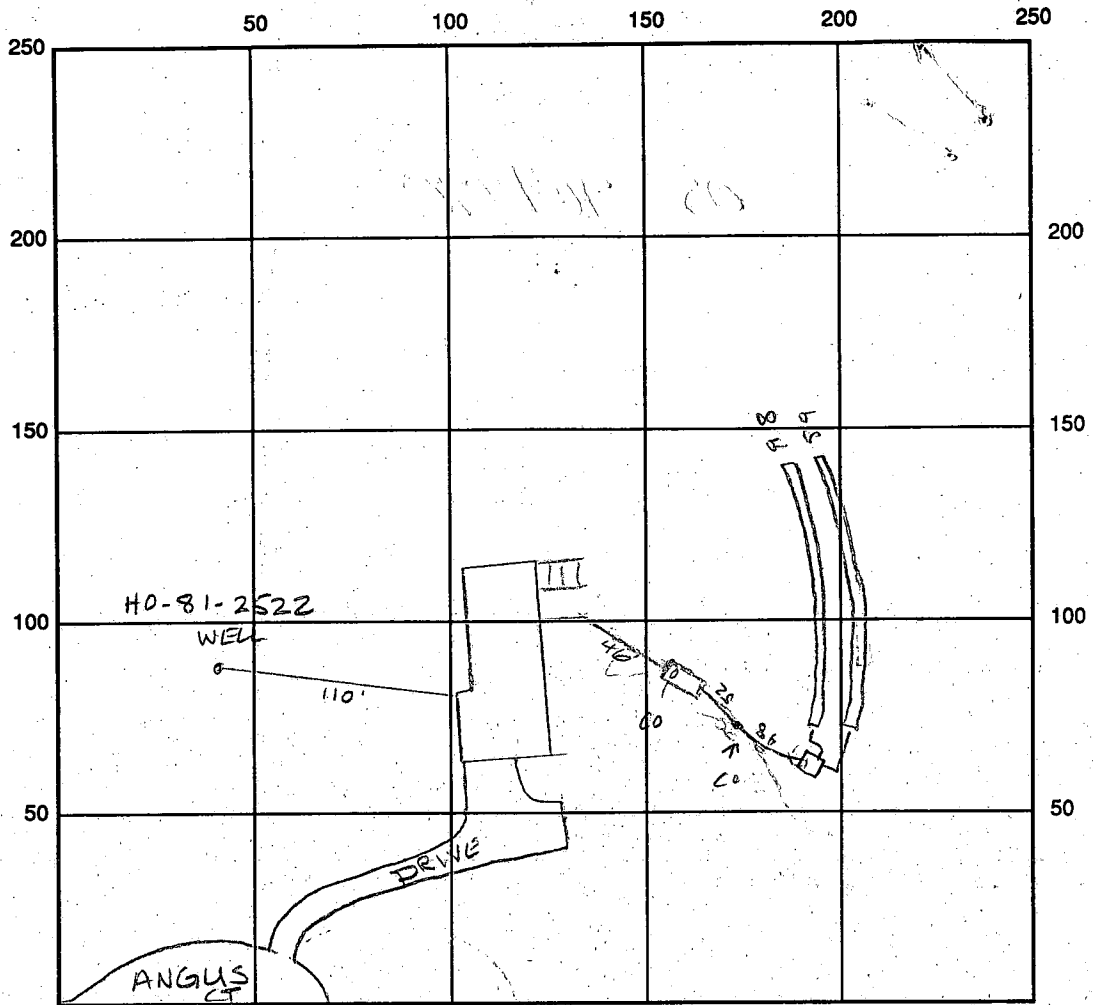
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON, CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

Serial # 59297
Inground pod

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

A 37375



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL 1250 gal CLEANOUTS #1: 2 OK
 DISTRIBUTION BOX LEVEL OK baffle is in
 DRAIN FIELD/TITLE DEPTH 8' FT. TRENCH WIDTH 2' FT. INLET DEPTH 3 1/2' FT.
 EFFECTIVE GRAVEL DEPTH 4' FT. TOTAL LENGTH @ 89 = 187 FT. linear feet
 NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA 841.5 SQ. FT.
 DRYWALL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET — FT.
 ABSORBENT AREA — SQ. FT.

$$\begin{array}{r} 137 \\ 45 \\ \hline 182 \\ 748 \\ \hline 8415 \end{array}$$

REMARKS: 9-8-94 OK to fill trenches w/ stone OK to cover all work
No house connection AUM 9-9-94 House connection made AUM

9-8-94 WPE OK AUM
 DATE SYSTEM APPROVED 9-9-94 INSPECTOR Amy McMillan

APPLICATION

PERCOLATION TESTING

A 44782

P _____

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

DISTRICT _____

DATE 7-26-89

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. J. & J.S. Michael TURNER Nichols

ADDRESS 13270 Truadelphia mill Rd PHONE 531-2993
740-2100

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Dunfarming LOT NO. #5

ROAD AND DESCRIPTION Highland & Ten Oaks (14001 Angus Court)

TAX MAP 34 PARCEL # 292

SIZE OF LOT 3 acres TYPE BLDG. Single Family
(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. S. Turner Nichols
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 7/31/89 Perc Satisfactory - hold for plat. sale

BLDG. PERMIT ~~STAMP~~
AND RETURNED 7/26/89
Serial # 55772
SFD-4Bma

HD-216

THIS IS NOT A PERMIT

SOIL PROFILE

AP

Yellow Bil
Silty Clay
W. Hum
15-20%
QUARTZITE
FRAG

75'±

95'±

145'±

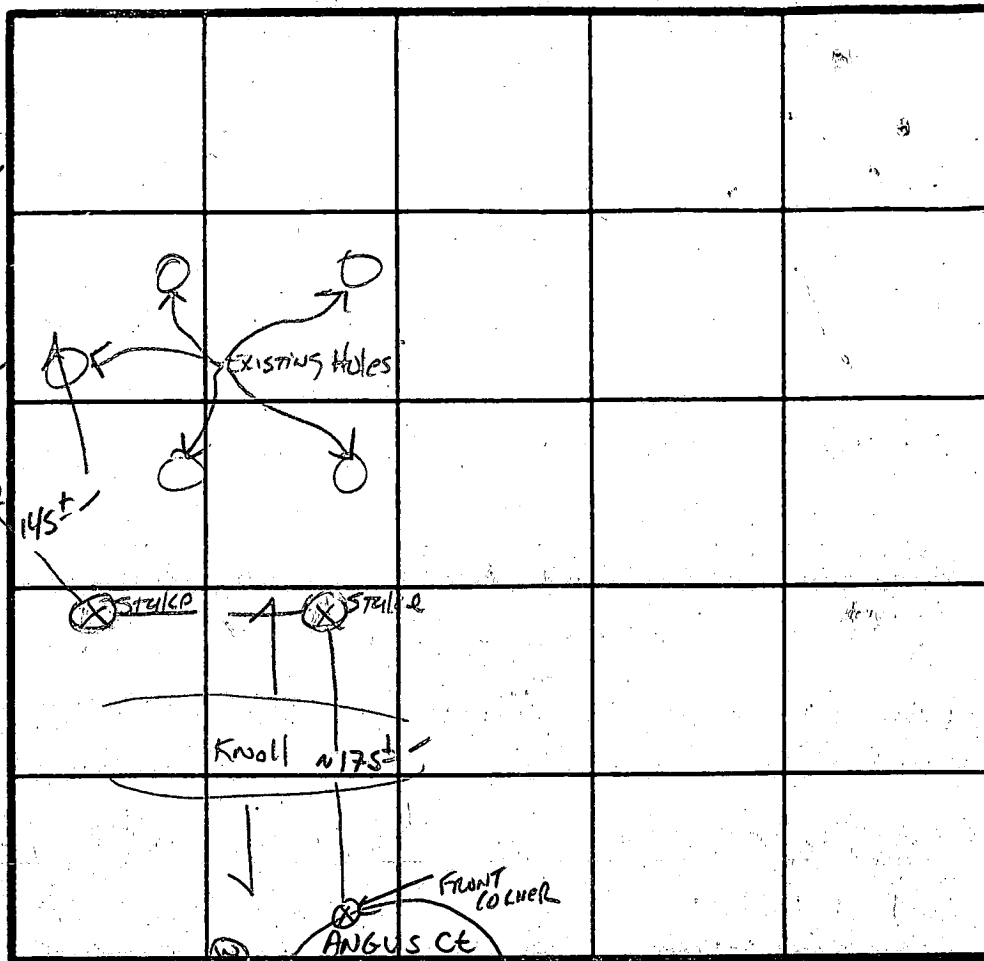
175'±

14'

care of
WTS

low

SPICE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7/31/89	A 5 A 1	3.5 - est 14'	est PRC	15-7 min			

REMARKS _____

TYPE OF SOIL CHESTER

TESTED BY S. Abel ALSO PRESENT J. J. J.

APPLICATION

A 37375

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 531-2505
Clarksville

PROPERTY LOCATION:

SUBDIVISION Dunfarmin LOT NO. 5

ROAD AND DESCRIPTION New Street (macadam)

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)

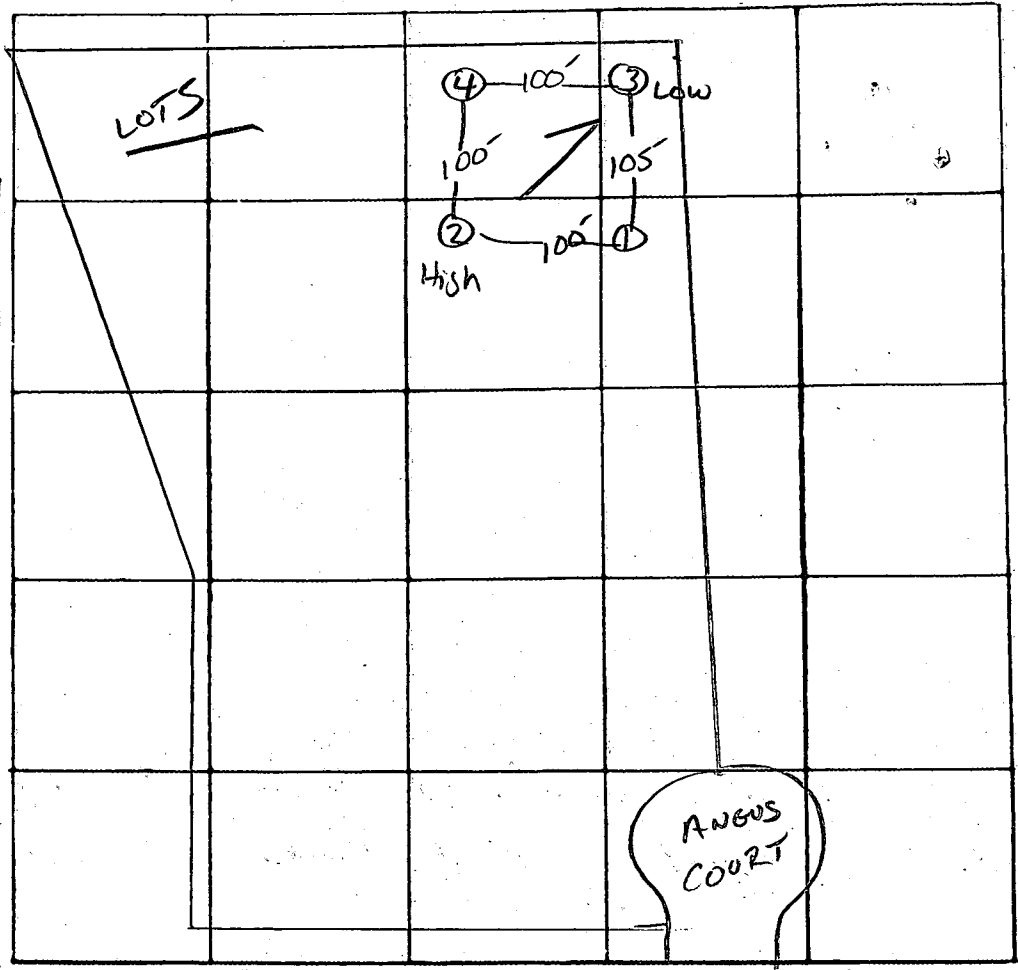
HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 8-26-86 PERC SATISFACTORY; HOLD FOR SUBDIVISION

PLAT S. AME

THIS IS NOT A PERMIT

6 ① ② ③ ④
 AP
 9'11" Yellow BR SILT
 LOAM 9-12%
 CLAY- 10%
 FRAGS.
 3.5-4 Yellow BR w/
 White silt
 SAND, SAND
 LOAM
 Highly micaceous
 10-20%
 FRAGS
 13-13.5



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE

7 PERC
 9 MIN
 INLET 3.5
 BOTTOM 8.0

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8/24/86	1V	13.5'	uniform	soil below 4.5'			
	2S	3.5	10:27	10:29	10:29	10:34	5 MIN
	2M	8	10:27	10:30	10:30	10:38	8 MIN
	2V	13'	uniform	soil below 3.5'			
	3S	4'	10:26	10:35	10:35	10:51	16 MIN
	3V	13	SAME AS #1 & 2	w/o white	silt sand		
	4S	4'	10:27	10:30	10:30	10:35	5 MIN
	4V	13	SAME AS #1 & 2	w/o white	silt sand		

187 #1BR

REMARKS Perce holes per PLAT
 TYPE OF SOIL Glenelg
 TESTED BY S. Abel ALSO PRESENT: Fyock & Co.

C1 2135
SEQUENCE NO. (OEP USE ONLY)

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

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

COUNTY NUMBER A 37375

DATE Received
8 13

DATE WELL COMPLETED
15 20 030788

Depth of Well
22 26 365
(TO NEAREST FOOT)

PERMIT NO.
FROM "PERMIT TO DRILL WELL"
28 37 40-81-2522

OWNER NICHOLS last name
STREET OR RFD ANGUS COURT first name
SUBDIVISION DUNFARMIN ESTATES SECTION TOWN CLARKSVILLE
LOT 5

WELL LOG
Not required for driven wells
STATE THE KIND OF FORMATIONS
PENETRATED, THEIR COLOR, DEPTH,
THICKNESS AND IF WATER BEARING

DESCRIPTION (Use additional sheets if needed)	FEET		Check if water bearing
	FROM	TO	
SAND	0	44	
GRAY MICA Rock	44	365	

GROUTING RECORD
WELL HAS BEEN GROUTED (Circle Appropriate Box) YES (Y) NO (N)
TYPE OF GROUTING MATERIAL
CEMENT (CM) BENTONITE CLAY (BC)
NO. OF BAGS 11 NO. OF POUNDS 1034
GALLONS OF WATER 66
DEPTH OF GROUT SEAL (to nearest foot)
from 0 ft. to 42 ft.
(enter 0 if from surface)

CASING RECORD
casing types insert appropriate code below
STEEL (ST) CONCRETE (CO)
PLASTIC (PL) OTHER (OT)
MAIN CASING TYPE SF
Nominal diameter top (main) casing (nearest inch) 6
Total depth of main casing (nearest foot) 50

OTHER CASING (if used)
diameter inch depth (feet) from to

SCREEN RECORD
screen type or open hole insert appropriate code below
STEEL (ST) BRASS (BR) OPEN HOLE (HO)
BRONZE (PL) PLASTIC (OT) OTHER (OT)

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
49	365

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

PUMPING TEST
HOURS PUMPED (nearest hour) 6
PUMPING RATE (gal. per min. to nearest gal.) 1
METHOD USED TO MEASURE PUMPING RATE Bucket
WATER LEVEL (distance from land surface) BEFORE PUMPING 23
WHEN PUMPING 278
TYPE OF PUMP USED (for test) A air P piston T turbine C centrifugal R rotary O other (describe below) J jet S submersible

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

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

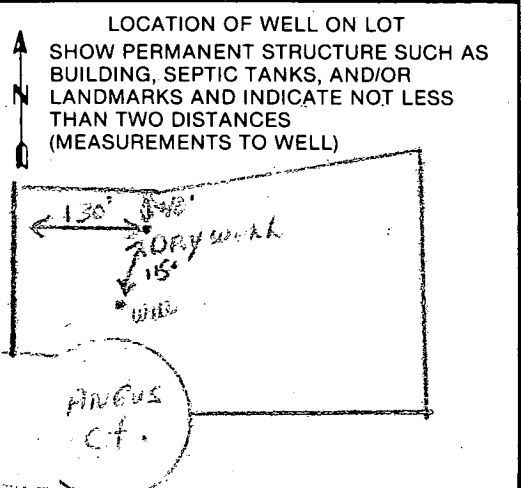
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 10.17.13 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS IDENT. NO. 238
DRILLERS SIGNATURE Joseph L. Maspe

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

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

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)
T (E.R.O.S.) WQ
TELESCOPE CASING LOG INDICATOR OTHER DATA



FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 81-2522
 Location of property (road) ANGUS COURT
 Subdivision DUNFARMING ESTATES Lot 5 Block _____ Plat _____ Sec. _____
 Well Driller JOSEPH MAYNE Owner NICHOLS, JAMES

Depth of well 365'
 Distance of measuring point (M.P.) above ground 1'
 Static water level (S.W.L.) below M.P. 23'

I. High rate pumping -- reservoir drawdown

Time pump started 7:30 Pumping rate 20 gpm
 Total time 45 min to reach pumping water level 277 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 5 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
7:45	174	3		20
8:00	278	3		20
8:15	277	60		1
8:30	277	60		1
8:45	277	60		1
9:00	277	60		1
9:15	277	60		1
9:30	277	60		1
9:45	277	60		1
10:00	277	60		1
10:15	277	60		1
10:30	277	60		1
10:45	277	60		1
11:00	277	60		1
11:15	276	60		1
11:30	276	60		1
11:45	276	60		1
12:00	276	60		1
12:15	276	60		1
12:30	276	60		1
12:45	275	60		1
1:00	275	60		1
1:15	275	60		1
1:30	275	60		1
HD-224 1:45	275	60		1
2:00	275	60		1

LOT 4
3.000 AC.±

AMERICAN
TEL. & TEL.
380 F.308

LOT 5
3.000 AC.±

LOT 6
3.148 AC.±

ANGUS COURT

DEDICATED TO HOWARD COUNTY
AND FOR THE PURPOSE OF A
ROAD (4.407 AC.±)

VEHICULAR INGRESS
& EGRESS IS RESTRICTED

TABLE

RESULTING MIN. LOT AREA
6.196 AC.±
6.050 AC.±
3.540 AC.±
3.006 AC.±

SURVEYOR'S CERTIFICATE

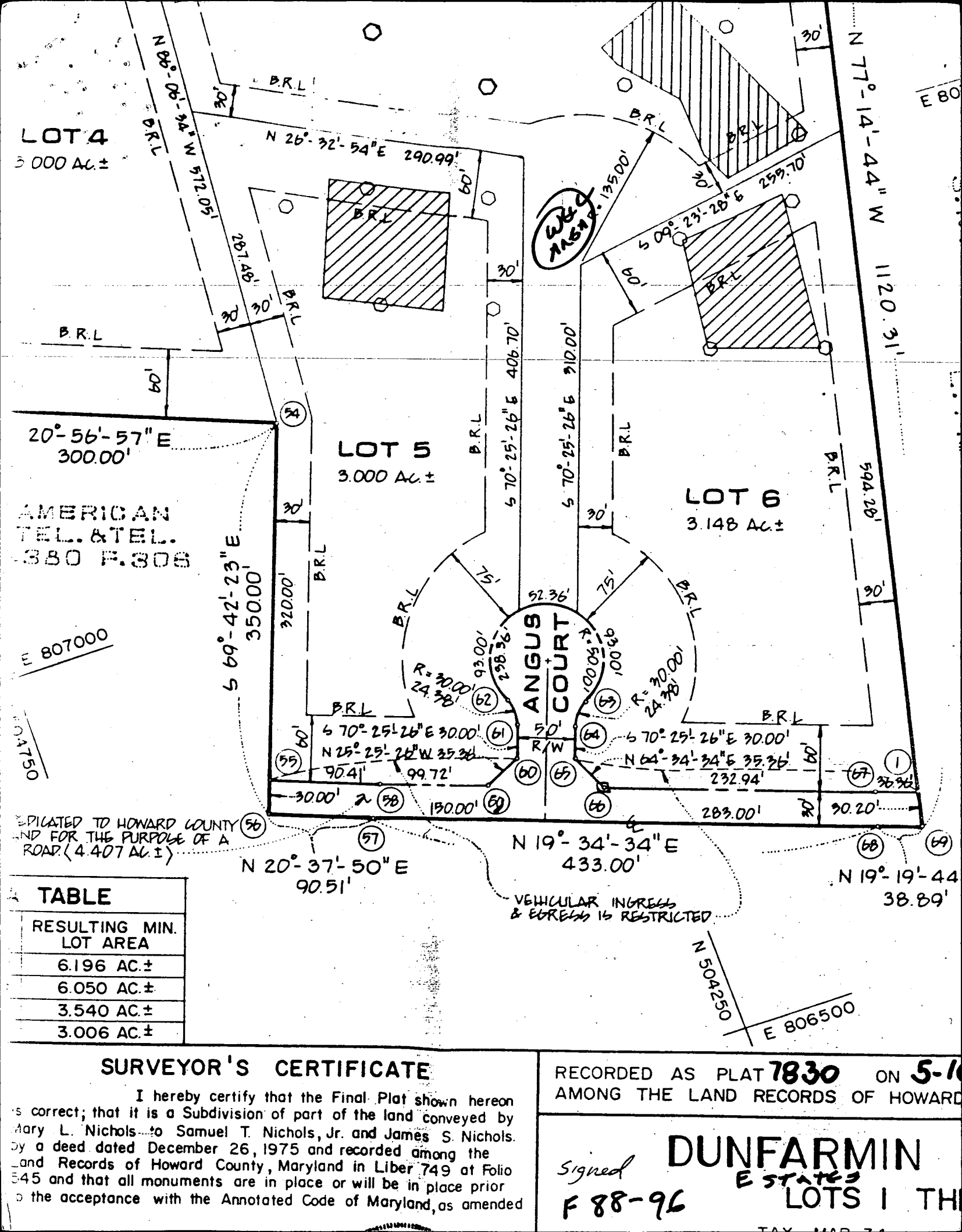
I hereby certify that the Final Plat shown hereon is correct; that it is a Subdivision of part of the land conveyed by Mary L. Nichols to Samuel T. Nichols, Jr. and James S. Nichols by a deed dated December 26, 1975 and recorded among the Land Records of Howard County, Maryland in Liber 749 at Folio 545 and that all monuments are in place or will be in place prior to the acceptance with the Annotated Code of Maryland, as amended

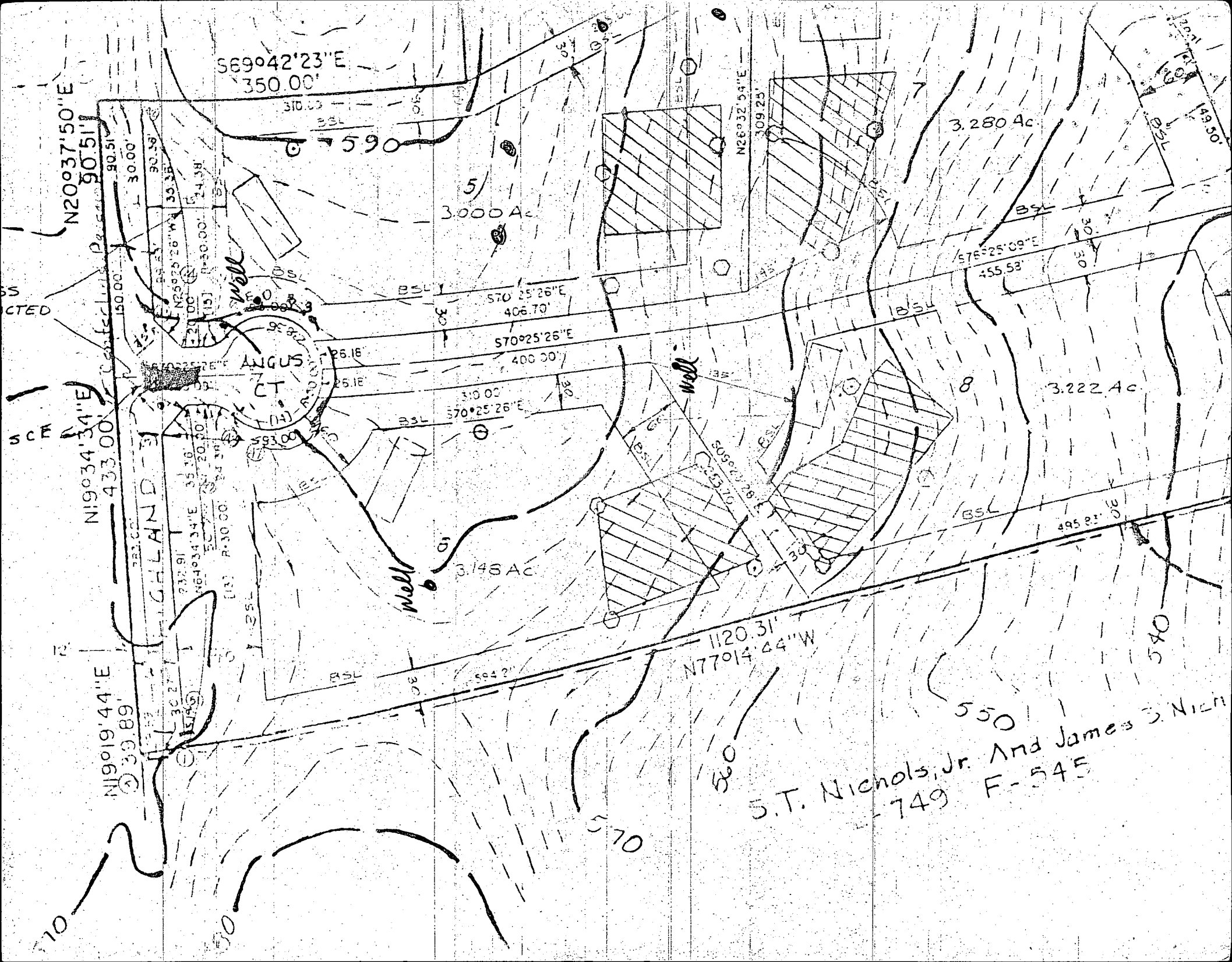
RECORDED AS PLAT **7830** ON **5-16**
AMONG THE LAND RECORDS OF HOWARD

DUNFARMIN
E STATES

Signed
F 88-96

LOTS 1 THRU 6





S69°42'23"E
350.00'

N20937'50"E
90.51'
30.00'

N19°19'44"E
39.89'
N19°34'34"E
433.00'

N64°54'34"E
35.18'
N64°54'34"E
20.20'
R-30.00'
24.38'

ANGUS
CT

5
3.000 Ac

Well
3.148 Ac

3.280 Ac

8
3.222 Ac

1120.31'
N77°14'44"W

550
560
570
S.T. Nichols, Jr. And James S. Nichols
-749 F-545

ENGINEER'S CERTIFICATE

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

[Signature] 6/10/94
SIGNATURE OF ENGINEER DATE

DEVELOPER'S CERTIFICATE

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

SIGNATURE OF DEVELOPER DATE

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

U.S. SOIL CONSERVATION DISTRICT DATE

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

DISTRICT HOWARD SOIL CONSERVATION DIST. DATE

SEQUENCE OF CONSTRUCTION

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

TEMPORARY SEEDING NOTES

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

SEEDING PREPARATION

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

SOIL AMENDMENTS

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

SEEDING

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

MULCHING

APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ. FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 210 GALLONS PER ACRE (5 GAL./1000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES 8 FEET OR HIGHER, USE 340 GALLONS PER ACRE (6 GAL./1000 SQ. FT.) FOR ANCHORING.

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

PERMANENT SEEDING NOTES

ALL DISTURBED AREAS SHALL BE STABILIZED AS FOLLOWS:

SEEDING PREPARATION

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

SOIL AMENDMENTS

APPLY TWO TONS PER ACRE DOLOMITE LIMESTONE (92 LBS./1000 SQ. FT.) AND 500 LBS. PER ACRE 0-20-20 FERTILIZER (4 LBS./1000 SQ. FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL. AT THE TIME OF SEEDING, APPLY 400 LBS. PER ACRE 30-30-30 UREAIFORM FERTILIZER (9 LBS./1000 SQ. FT.) AND 500 LBS. PER ACRE (6.5 LBS./1000 SQ. FT.) OF 10-20-20 FERTILIZER.

SEEDING

FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 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 JULY 31, SEED WITH 60 LBS./ACRE (1.4 LBS./1000 SQ. FT.) KENTUCKY 31 TALL FESCUE AND 2 LBS. PER ACRE (0.05 LBS./1000 SQ. FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THROUGH FEBRUARY 28, PROTECT SITE BY OPTION (1) - TWO TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) - USE SOD. OPTION (3) - SEED WITH 100 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH TWO TONS/ACRE WELL ANCHORED STRAW. ALL SLOPES SHOULD BE HYDROSEEDED.

MULCHING

APPLY 1 1/2 TO 2 TONS PER ACRE (60 TO 90 LBS./1000 SQ. FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING 200 GALLONS PER ACRE (5 GAL./1000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES 8 FEET OR HIGHER USE 340 GALLONS PER ACRE (6 GAL./1000 SQ. FT.) FOR ANCHORING.

MAINTENANCE

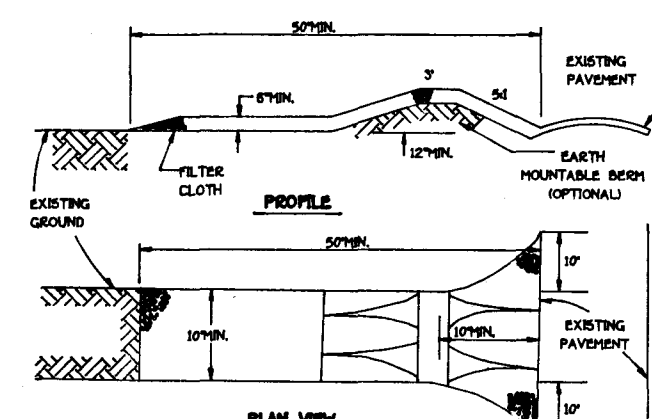
INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

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

SEDIMENT CONTROL NOTES

1. A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTIONS AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION (992-2437).
2. ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
3. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: a) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DICES, PERIMETER SLOPES AND ALL GREATER THAN 3:1, b) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
4. ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
5. ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDINGS (SEC. 50) SOD (SEC. 34), TEMPORARY SEEDING (SEC. 50) AND MULCHING (SEC. 52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
6. ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
7. SITE ANALYSIS:

TOTAL AREA OF SITE	3.0 ACRES
AREA DISTURBED	0.542 ACRES
AREA TO BE SODDED OR PAVED	0.107 ACRES
AREA TO BE VEGETATIVELY STABILIZED	0.455 ACRES
TOTAL CUT	CU.YDS.
TOTAL FILL	CU.YDS.
8. OFFSITE WASTE/BORROW AREA LOCATION
9. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
10. ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY DPW SEDIMENT CONTROL INSPECTOR.
11. ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.

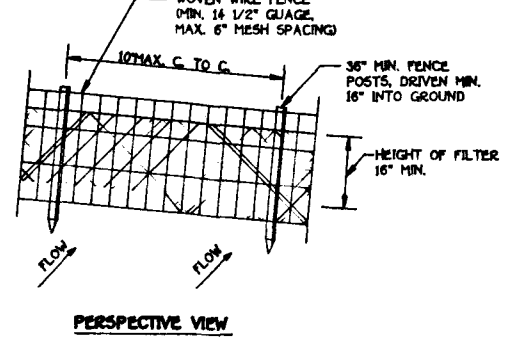


CONSTRUCTION SPECIFICATIONS

1. STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY.
3. THICKNESS - NOT LESS THE SIX (6) INCHES.
4. WIDTH - TEN (10) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INCREASES OR DECREASES OCCUR.
5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE LOT.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BENCH WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

STABILIZED CONSTRUCTION ENTRANCE - 2
NOT TO SCALE

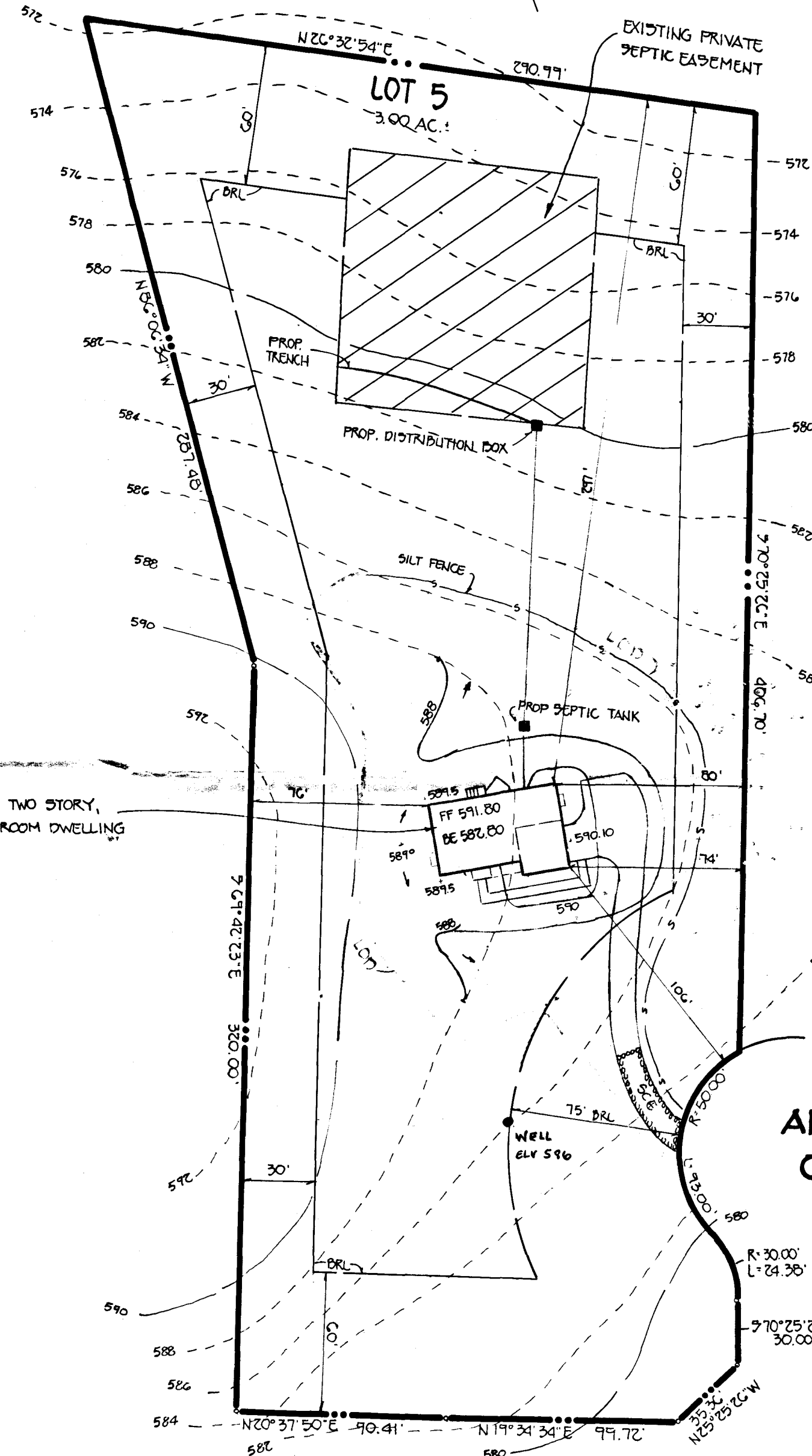
FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
971 BALTIMORE NATIONAL PIKE, SUITE 100
ELLICOTT CITY, MARYLAND 21042
(410) 461-2955



CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 500 INCHES AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

SILT FENCE
NOT TO SCALE

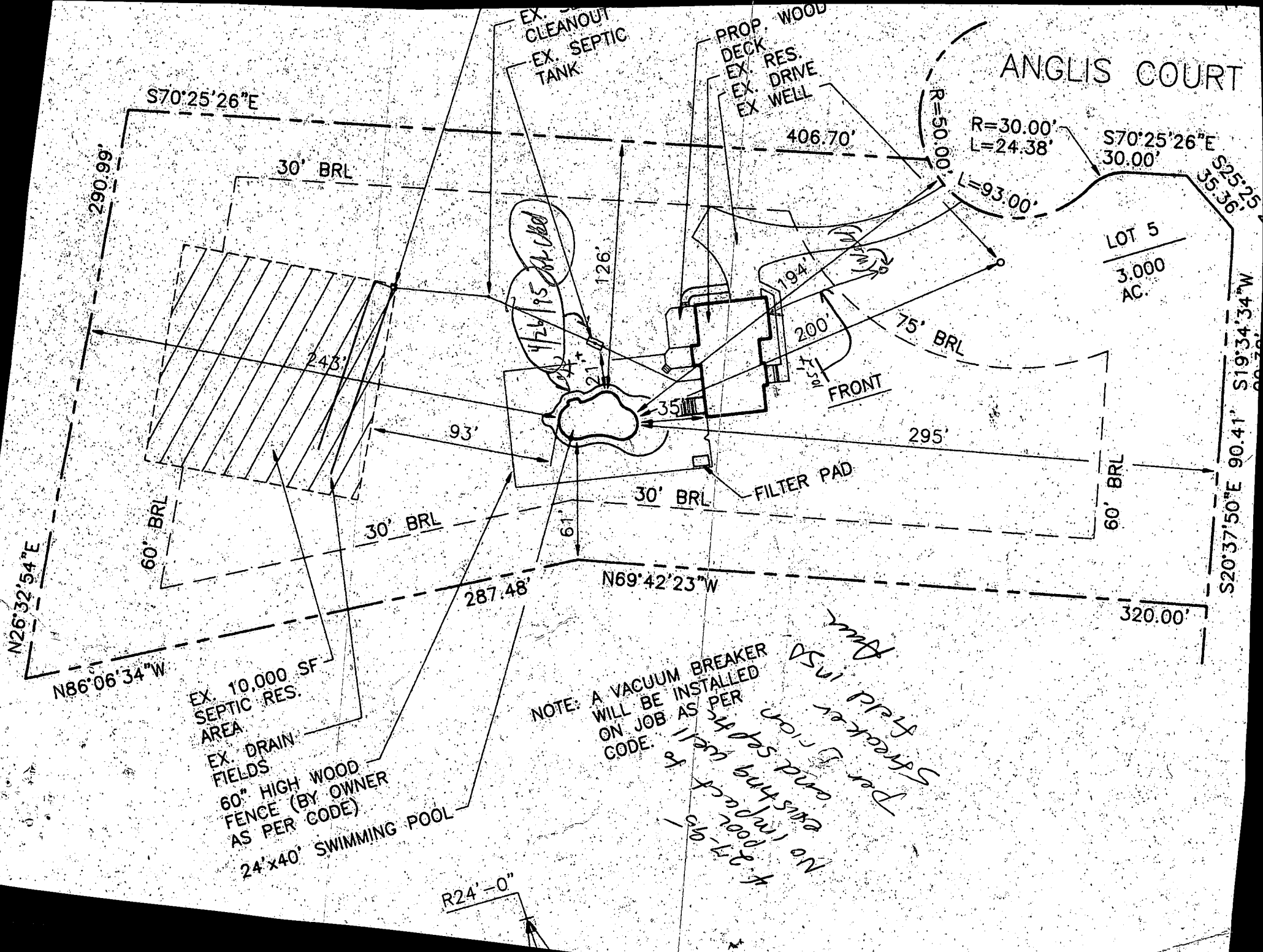


- GENERAL NOTES**
1. SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT No.
 2. PROPOSED 1500 GALLON SEPTIC TANK.
 3. A. FIRST FLOOR ELEVATION: 591.80
B. BASEMENT ELEVATION: 587.80
C. INVERT OF SEPTIC SYSTEM AT HOUSE: 590.30
D. INVERT IN AT SEPTIC TANK: 579.5
E. INVERT OUT AT SEPTIC TANK: 579.5
F. PROPOSED GRADE OVER SEPTIC TANK: 587.0
G. INVERT AT DISTRIBUTION BOX: 577.0
H. EXISTING GROUND OVER DISTRIBUTION BOX: 581.0
 4. LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
 5. CONTRACTOR / BUILDER TO VERIFY ELEVATIONS IN FIELD BEFORE BEGINNING ANY CONSTRUCTION.
 6. MANHOLE CLEANOUT REQUIRED AT SEPTIC TANK

Approved Septic System Plan
Howard County Health Department
[Signature] 2/7/94
Signature Date

PLAN TO ACCOMPANY APPLICATION
FOR BUILDING PERMIT
DUNFARMIN ESTATES
LOT 5

TAX MAP 34
FIFTH ELECTION DIST.
SCALE: 1" = 50'
PARCEL 292
HOWARD COUNTY, MARYLAND
DATE: JUNE 9, 1994



ANGLIS COURT

LOT 5
3.000
AC.

NOTE: A VACUUM BREAKER
WILL BE INSTALLED
ON JOB AS PER
CODE.

*No poor
existing well
to
t. 27-93
vacuum breaker
for
Dr. Brian
field
vacuum
breaker
NSU
for*

EX. 10,000 SF
SEPTIC RES.
AREA
EX. DRAIN
FIELDS
60" HIGH WOOD
FENCE (BY OWNER
AS PER CODE)
24'x40' SWIMMING POOL

EX. CLEANOUT
EX. SEPTIC
TANK

PROP. WOOD
DECK
EX. RES.
DRIVE
EX. WELL

FILTER PAD

FRONT

Boundary bearings and distances:
 S70°25'26"E 406.70'
 S70°25'26"E 30.00'
 S25°25'35.36"
 S20°37'50"E 90.41'
 S19°34'34"W
 S20°37'50"E 90.41'
 S25°25'35.36"
 N26°32'54"E
 N86°06'34"W
 N69°42'23"W
 290.99'
 295'
 320.00'
 243'
 93'
 287.48'
 126'
 194'
 200'
 75' BRL
 60' BRL
 30' BRL
 30' BRL
 60' BRL
 30' BRL
 30' BRL
 60' BRL
 R=50.00'
 R=30.00'
 L=24.38'
 L=93.00'

R24'-0"