

6/14/90 pm
6/15/90 AM
6/18/90 ASAP

Tax ID - 04-345932

PERMIT

P 45954
A 37736
DISTRICT 4th

SEWAGE DISPOSAL SYSTEM
MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

DATE 05/18/90

INDEXED

DATE SYSTEM APPROVED 6/18/90

INSPECTOR M. R. Skin

Paul Schissler/South Carroll Backhoe, Inc. IS PERMITTED TO INSTALL ALTER

ADDRESS 4410 Salem Bottom Road, Westminster, Maryland PHONE 875-4197

SUBDIVISION The Southern Station ROAD 825 Morgan Station LOT 1

PROPERTY OWNER S. F. Contractors

ADDRESS _____

~~IF GARBAGE GRINDER IS USED INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 20%.~~

~~GARBAGE GRINDER~~ YES NO

SEPTIC TANK CAPACITY 1000 1250 GALLONS NUMBER OF BEDROOMS 43

TRENCHES - 220 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 8 feet below original grade. Effective area begins at 4 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Place the distribution box 205 feet down the left lot line from the front left corner and 60 ft off the same lot line as seen when facing the lot from Morgan Station Road. Run trenches on contour toward left and right lot lines.

NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. 5-18-90 JEN

PLANS APPROVED BY Sid Abel cm DATE 1-6-88

COVER NO WORK UNTIL INSPECTED AND APPROVED

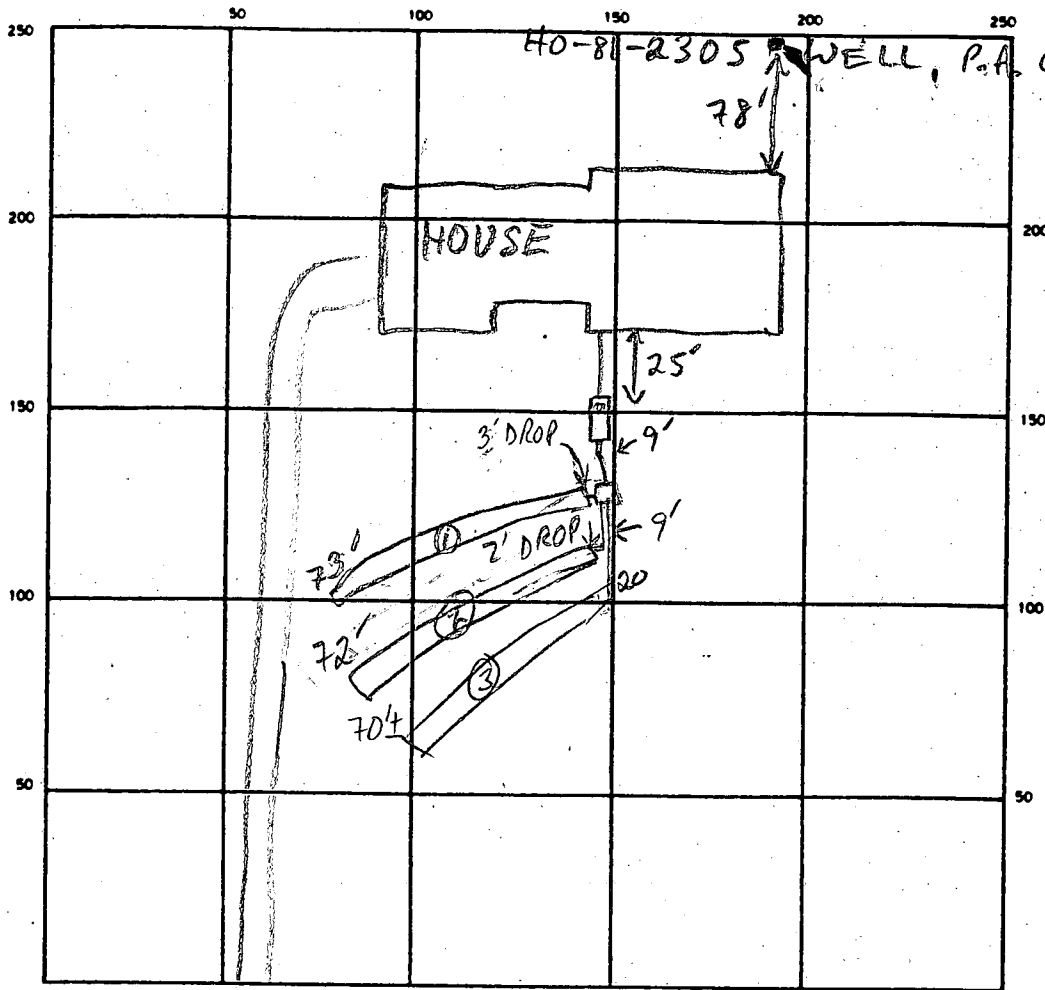
NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM

- NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS
- 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 TRENCHES ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCHES)
- 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 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 PVC 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 APROVAL ON THIS PERMIT**

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

A 37736



40-81-2305 WELL, P.A. OK 3 1/2' B.G.
MR 6/15/90

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE
MORGAN STATION RD

SEPTIC TANK LEVEL 1500 GAL - OK CLEANOUTS OK
 DISTRIBUTION BOX LEVEL OK - BAFFLE IN
 DRAIN FIELD/TILE FIELD DEPTH 8-8.5-9-9 FT. TRENCH WIDTH 2 FT. INLET DEPTH 4-5 FT.
 EFFECTIVE GRAVEL DEPTH 4-4.5-4-4 FT. TOTAL LENGTH 73-72-70
 NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 292-288-280 SQ. FT.
 DRYWELL INSIDE DIAMETER FT. EFFECTIVE DEPTH BELOW INLET FT.
 ABSORBENT AREA 860 SQ. FT.

REMARKS 6/14/90 S.T. + DB INSTALLED - NO OTHER WORK MR
6/15/90 #1 TRENCHES SLIGHTLY UPHILL FROM CONTOUR NO PROBLEM
TRENCH 1 DUG TO 50' - CONTINUE; APPROX. 3' FILL
ON MOST OF SDA 6/15/90 #2 TRENCHES 1 & 2 OK TO
COVER - DIG 3 MR 6/18/90 TRENCH 3 PARTIALLY DUG
STONE & COVER WHEN READY MR

DATE SYSTEM APPROVED 6/18/90 INSPECTOR M. R. SPKIN

C1 1906
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

**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 37736**

DATE Received: [] [] [] [] [] [] [] []
 DATE WELL COMPLETED: **093087**
 Depth of Well: **205** (TO NEAREST FOOT)
 PERMIT NO. FROM "PERMIT TO DRILL WELL": **HO-51-2305**

OWNER: **ASSOCIATES** **HEMPHILL**
 STREET OR RFD: **MORGAN STATION ROAD** TOWN: **WOODBINE**
 SUBDIVISION: **THE SOUTHERN STATION** SECTION: [] LOT: **1**

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	
Top Soil	0	2	
Brown Slate	2	70	✓
Brown Slate	70	80	✓
Blue Slate	80	95	
Brown Slate	95	100	✓
Blue Slate	100	205	

GROUTING RECORD
 WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y** **N**
 TYPE OF GROUTING MATERIAL
 CEMENT **CM** BENTONITE CLAY **BC**
 NO. OF BAGS **20** NO. OF POUNDS **2000**
 GALLONS OF WATER **120**
 DEPTH OF GROUT SEAL (to nearest foot)
 from [] [] [] [] ft. to **50** ft.
 (enter 0 if from surface)

CASING RECORD
 casing types insert appropriate code below
ST **CO**
 STEEL CONCRETE
PL **OT**
 PLASTIC OTHER
 MAIN CASING TYPE: **PL** **G** **95**
 Nominal diameter (nearest inch): [] [] [] []
 Total depth of main casing (nearest foot): [] [] [] []

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

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

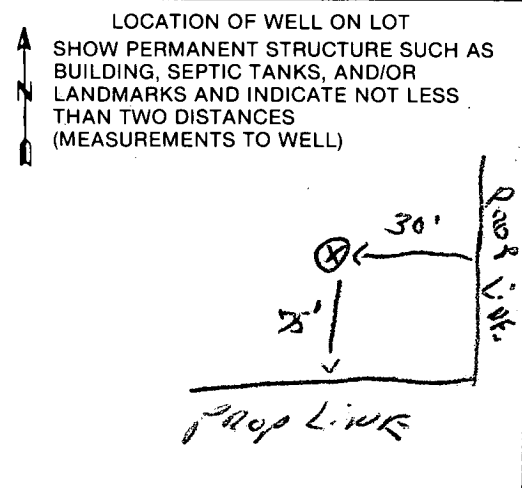
C2
 DEPTH (nearest ft.)
 1 **HO** **93** **905**
 2 [] [] [] [] [] [] [] []
 3 [] [] [] [] [] [] [] []
 SLOT SIZE 1 [] 2 [] 3 []
 DIAMETER OF SCREEN [] [] [] [] (NEAREST INCH)

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 [] [] [] []

C3
PUMPING TEST
 HOURS PUMPED (nearest hour) **3**
 PUMPING RATE (gal. per min. to nearest gal.) **10**
 METHOD USED TO MEASURE PUMPING RATE: **Bucket**
 WATER LEVEL (distance from land surface)
 BEFORE PUMPING **28**
 WHEN PUMPING **33**
 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. **273**
 DRILLERS SIGNATURE: **Ralph Mage**
 (MUST MATCH SIGNATURE ON APPLICATION)
 SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

N. 72° 42' 20" E.

230.81'

60' BRL

3007 AC.

Note: Basement will not
Sewer by gravity.

1000.45'

539.11'

572

249'

570

568

566

82'

WELL TOP:
566.7

655.74'

30' BRL

564

562

68° BRL

BELHAVEN
FF=569.80
FR=549.13
B=540.84
Inv=560.4

+OSM

140'

1500 Gal. Septic Tank
Prop. El. Over Tank = 564.0

Distribution Box
Elev. = 563.3
Inv. El. = 559.3

(4) 2' Wide Trenches
69' Long - Each
Min. 5' Apart.

69' Trench
69' Trench
69' Trench
69' Trench

Septic Easement

N. 78° 59' 27" W

N. 80° 55' 03" W

2/14/89
elevations L
SA

BLDG. PERMIT SIGNED
AND RETURNED 2-14-89

BP 23545
SA

1"=50'

75' BRL

SALES TRAILER

BM
555.70

254.50

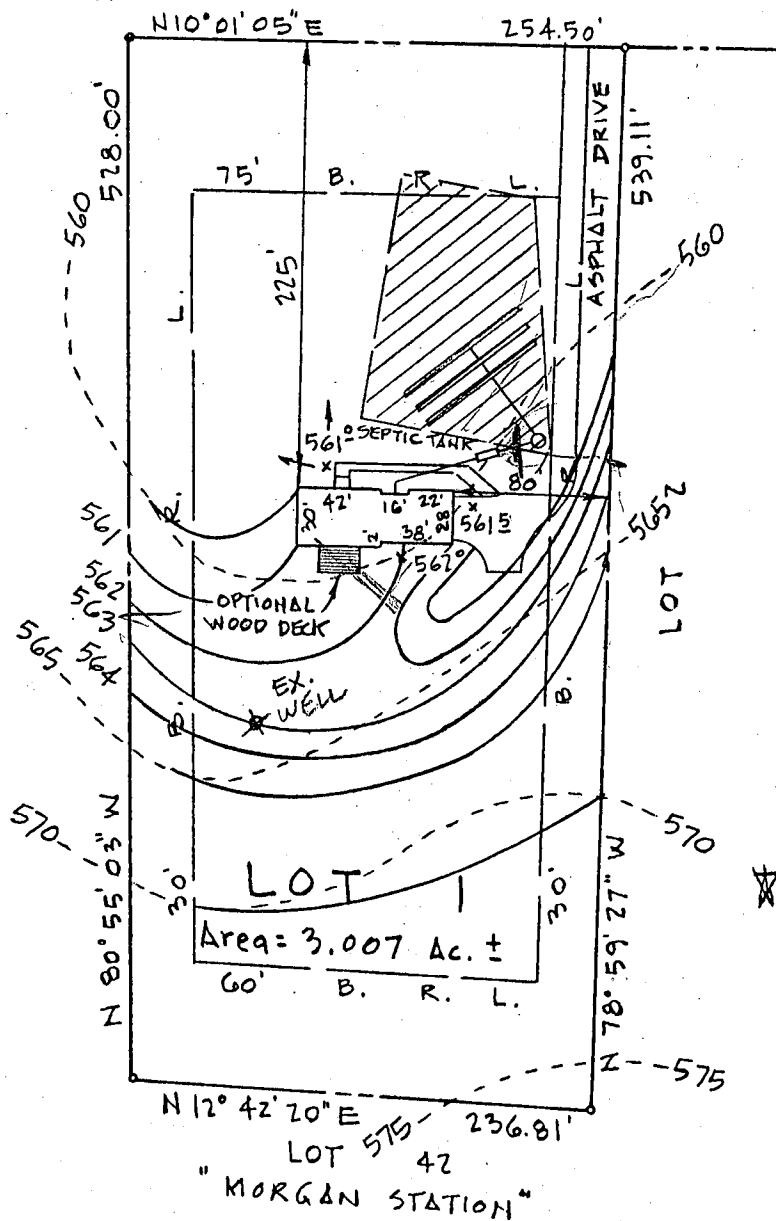
455.49'

473.55'

dedicated to Howard County, Maryland

W. HARVEY DAVIS, III &
VALERIE S. DAVIS
833/443

EX. 1 MORGAN STATION ROAD



— SEPTIC DATA —

HOUSE FIN. FL.	564°
" BSM'T	555°
" SEWER INV.	559°
SEPTIC INV. IN	558°
TANK " OUT	558°
" FIN. GR.	560°
DISTR. INV. IN	558°
BOX " FIN. GR	561°
WELL EX. GR.	563°
" FIN. "	563°

* NOTE:
TRENCH LENGTH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.

- NOTE:
1. HOUSE TYPE: 2 STY WITH FULL BSM'T.
 2. HOUSE MAY BE REVERSED TO MEET FIELD CONDITIONS OR BUYER PREFERENCE.

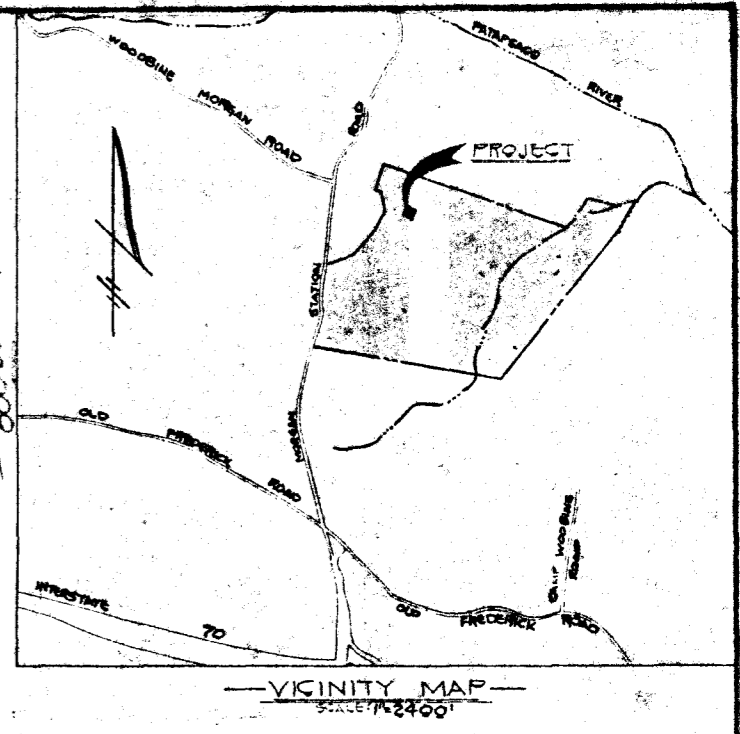
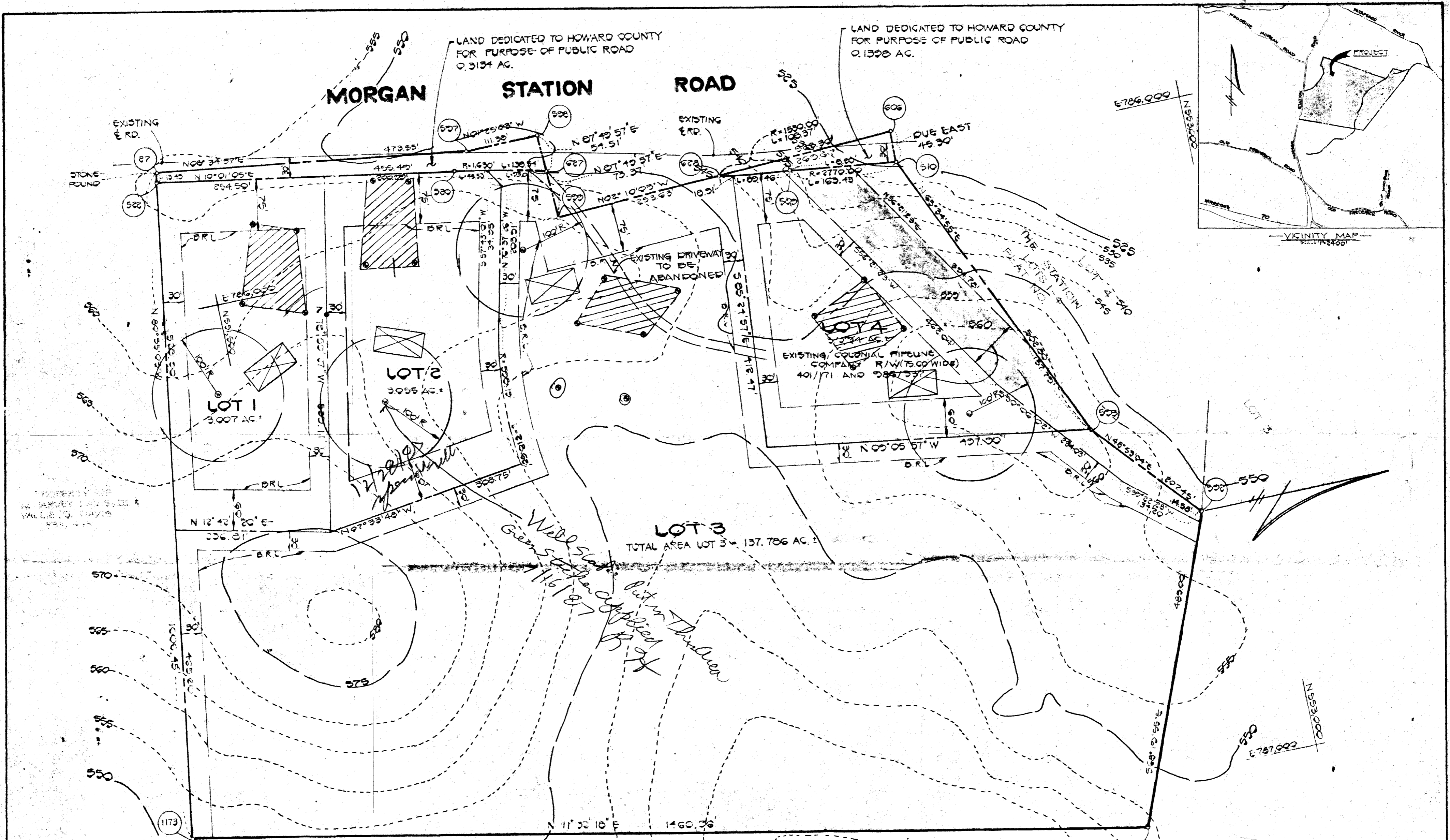
3/30/90
PLANS O.K.
RH

ENGINEER
JOHN L. SCHNEIDER, P.E.
100 N. ROLLING ROAD
COTONVILLE, MD. 21228
301-744-1945

RECORD PLOT NO 7344

GRADING STUDY	
LOT 1 "THE SOUTHERN STATION"	
4th ELECTION DISTRICT HOWARD COUNTY, MARYLAND	
SCALE: 1" = 100'	DATE: 3/20/90





APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT.

Joann Byler 6-9-87
COUNTY HEALTH OFFICER DATE



OWNER
MR & MRS ROY W GRUM
50 HEMPHILL AND ASSOCIATES
PO BOX 15
ELLCOTT CITY, MARYLAND 21043

DEVELOPER & CONTRACT PURCHASER
MR & MRS ROY W GRUM
50 HEMPHILL AND ASSOCIATES
PO BOX 15
ELLCOTT CITY, MARYLAND 21043

FISHER, COLLINS AND CARTER, INC.
CONSULTING ENGINEERS AND LAND SURVEYORS
8388 COURT AVENUE
ELLCOTT CITY, MARYLAND 21043
TELEPHONE: (301) 461-2853

PERC CERTIFICATION DRAWING
THE SOUTHERN STATION

W. G. Goff LOTS 1-4
TAX MAP 3
P/O TAX MAP PARCELS 3&11
ZONING R
FOURTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE: 1"=100' MAY 29, 1987
SHEET 1 OF 1
F87-

- NOTES:
- THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF HEALTH AND MENTAL HYGIENE 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.
 - THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF HEALTH AND MENTAL HYGIENE.

CONVERSION TABLE

OLD LOT NO.	NEW LOT NO.
4	2
5	3
6	4

LEGEND

☒ DENOTES LOCATION OF DWELLING.

⊙ DENOTES PROPOSED WELL.

⊙ DENOTES FIELD LOCATION OF PERC HOLES.

Copy of final F.87-212 sent for signature 7-29-87 JCF