2-18-97
2:00 C.O.

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

03-319679

P 57658

A 49914-A

DISTRICT 3rd

DATE 01/31/97

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
~~XXXXXXXX~~ 313-2640

DATE SYSTEM APPROVED 2-18-97

INDEXED

INSPECTOR ~~DKS~~

South Carroll Backhoe, Inc. IS PERMITTED TO INSTALL X ALTER ____

ADDRESS 4410 Salem Bottom Road, Westminster, Maryland 21157 PHONE 875-4197

SUBDIVISION Sobus Farms LOT 1 ROAD 3000 Sobus Drive

PROPERTY OWNER ~~Altieri Homes~~ ~~DARLENE & LARRY Hoffman~~ Gay

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 2 feet below original grade. Bottom maximum depth 4 feet below original grade. Effective area begins at 2 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Starting from the right rear lot corner, place distribution box 190 feet up the rear (455.00') lot line and 195 feet off that same lot line as seen when facing the lot from Sobus Drive. Run trenches on contour toward Sobus Drive.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8' diameter cleanout and cap to grade or above on septic tank.

ok 12/2/96 [illegible]

PLANS APROVED BY Mark Rifkin/Amy McMillen DATE 9/26/96

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 AND RETURNED 9-17-97
Sewer # B00105950

PERMIT VOID AFTER TWO YEARS

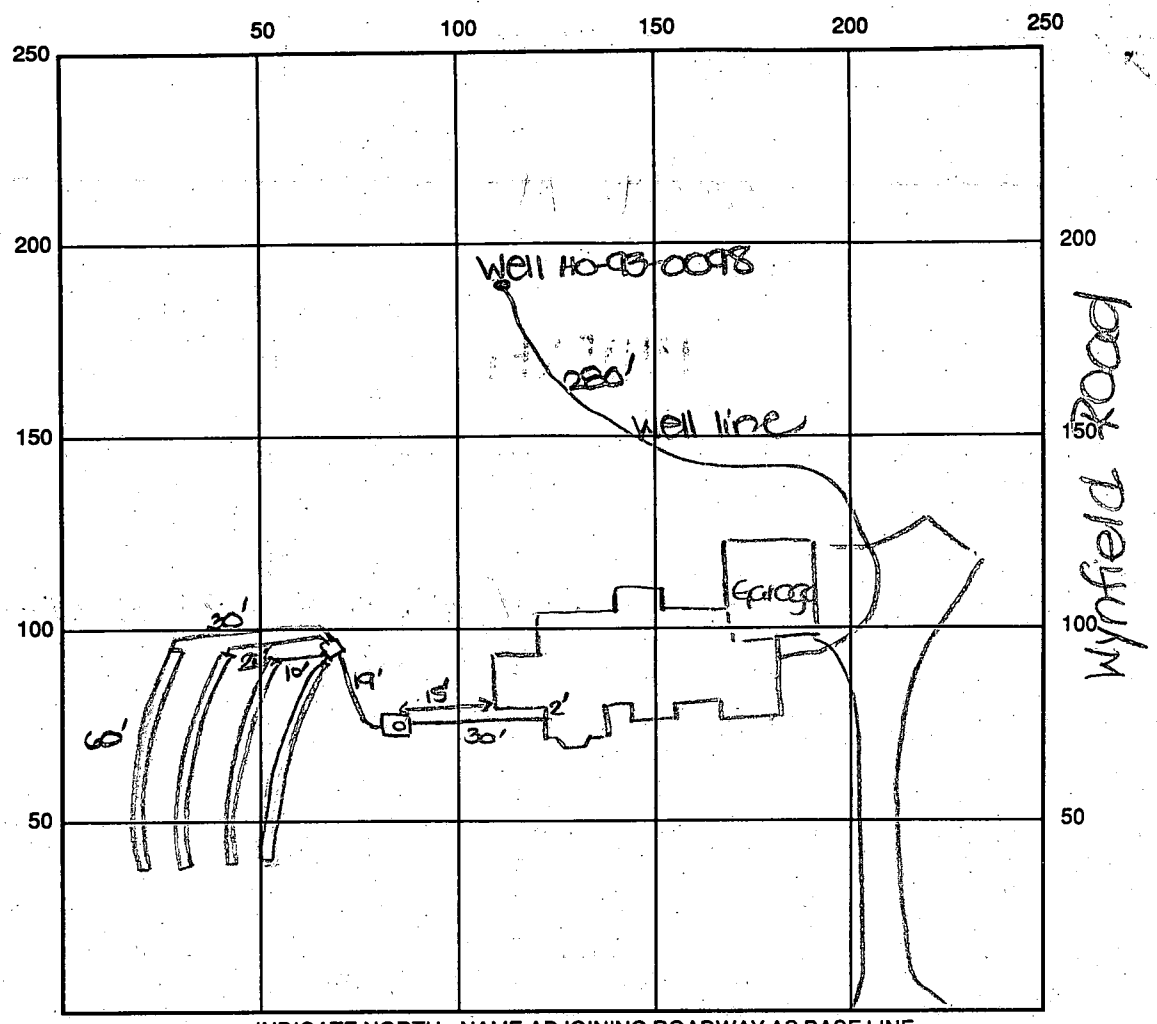
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON. CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

***INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT**
***CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.**

HD-260(6-90)

A 49914-A



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

Sabus Drive

SEPTIC TANK LEVEL OK - 1250 gal CLEANOUTS one on s.t.

DISTRIBUTION BOX LEVEL OK

DRAIN FIELD/TITLE DEPTH 4 FT. TRENCH WIDTH 3 FT. INLET DEPTH 2 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 4X60 FT. → 240'

NUMBER OF TRENCHES 4 ONE SIDEWALL/BOTTOM AREA 720 SQ. FT.

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

ABSORBENT AREA _____ SQ. FT.

REMARKS: 2/18/97 FINAL INSP - OK to cover all work. DKS

DATE SYSTEM APPROVED 2/18/97 INSPECTOR [signature]

APPLICATION

PERCOLATION TESTING

A 49914A

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT 3

DATE 2-9-94

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

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

PROPERTY OWNER Hilltop Development Corporation - Alfred Homes

ADDRESS Po Box 208 Clarksville MD 21029 PHONE 410-531-5539

AGENT OR PROSPECTIVE BUYER Richard Dennett

ADDRESS Po Box 208 Clarksville MD 21029 PHONE 410-531-5539

PROPERTY LOCATION:

SUBDIVISION Sobus Farms LOT NO. 1

ROAD AND DESCRIPTION At the End of Newfield Road.
(3040 Sobus Drive)

BLDG. PERMIT SIGNED AND RETURNED 11/22/96
Serial # B/01/03205 SFD

TAX MAP 15 PARCEL # 26 & 154

SIZE OF LOT 3 acres + TYPE BLDG. SFD.
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT. Richard J. Dennett, President
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

BLDG. PERMIT SIGNED Entrance Sign
AND RETURNED 11-14-95 Serial # 62611

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

HD-216 (3/92)

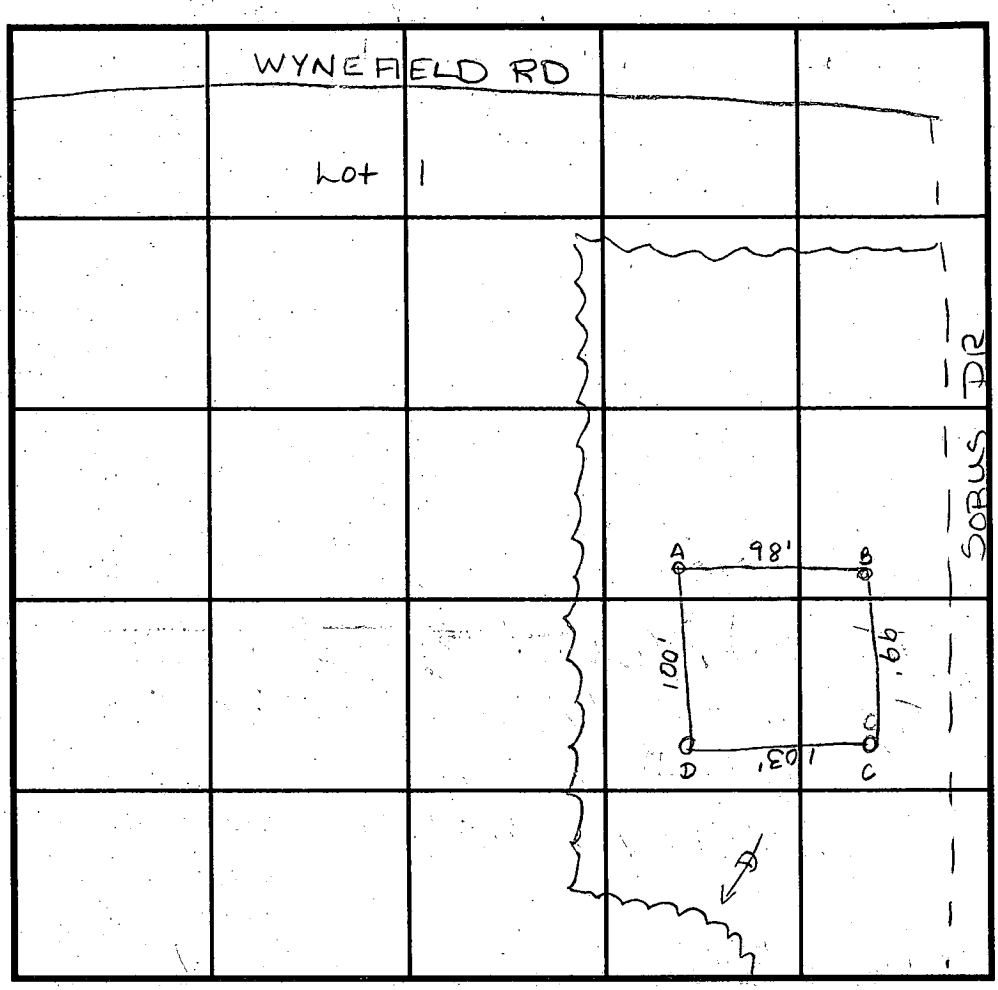
A 49914A
COUNTY #

SOIL PROFILE

0' B
red/brn CL some ○ mica
2'
dark red brn SL w/ a lot of large mica flecks OK
12'

A
no C layer
large chunks of rock & mica throughout
SL brn throughout
9'

D
no impermeable C layer apparant
brn w/ red streaks SL
a lot of mica saprolite
Shale throughout 10% OK
hard bottom
10'



SOIL PROFILE

0' C
bright re SCL
2
brn SL w/ a lot of mica chunks of Shale 5% OK
12½

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET START	PRE-WET STOP	TEST - 1" DROP START	TEST - 1" DROP STOP	TIME
3/22/94	B	5½' / V 12'	10:33	10:33 30	10:33 30	10:34	30sec
		repour	10:34 15	10:34 45	10:34 45	10:35 30	¾min
		3' / V 12'	10:35 50	10:38	10:38	10:40 20	2¼min
	A	2½' / V 9'	10:41 45	10:42	10:42	10:42 15	15sec
		repour	10:40 45	10:42	10:42	10:43 20	1½min
	D	3' / V 10	11:07 15	11:09 15	11:09 15	11:14	4¾min
	C	3½' / V 12½	11:11 45	11:15 30	11:15 30	11:22	6½min
		6' / V 12½	11:15 15	11:15 30	11:15 30	11:16	30sec
		repour	11:16	11:16 45	11:16 45	11:17 40	1min

REMARKS Shallow system only

TYPE OF SOIL CHD_2 Chester, silt loam

TESTED BY A. McMillen / M. Rifkin ALSO PRESENT R. Demitt

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 3min TRENCH WIDTH 3'

INLET DEPTH 2' MAXIMUM BOTTOM DEPTH 4' SQ. FT/BEDROOM 180 ft²

C 1 | 0129 | SEQUENCE NO. (MDE USE ONLY)

(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 A49914-A

ST/CO USE ONLY
DATE Received

DATE WELL COMPLETED: 03/29/96

Depth of Well: 385 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL": H0-93-0098

OWNER Demmitt (last name) (first name)

STREET OR RFD Sobus Drive TOWN West Friendship

SUBDIVISION Sobus Farms 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 FROM	FEET TO	check if water bearing
Sand	0	10	
Gray Mica Rock	10	385	✓

3 dry wells 440', 440' 340' filled in with cement & drilling materials

NUMBER OF UNSUCCESSFUL WELLS: 3

WELL HYDROFRACTURED: yes [Y] no [N]

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.

TYPE: MWD/MSD/MGD

DRILLERS LIC. NO. 24

Joseph L. Mayne

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. 27

Larry Mayne

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

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 6 NO. OF POUNDS 564

GALLONS OF WATER 36

DEPTH OF GROUT SEAL (to nearest foot)

from 0 ft. to 19 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	Nominal diameter top (main) casing (nearest inch)!	Total depth of main casing (nearest foot)
ST	6	22

OTHER CASING (if used)

EACH CASING	diameter inch	depth (feet) from	to

SCREEN RECORD

screen type or open hole insert appropriate code below

STEEL [ST] BRASS BRONZE [BR] OPEN HOLE [HO] PLASTIC [PL] OTHER [OT]

EACH SCREEN	DEPTH (nearest ft.)	
1	HO	20 / 385
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

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)

T ____ (E.R.O.S.) ____ W Q ____

TELESCOPE CASING | LOG INDICATOR | OTHER DATA

C 3 — PUMPING TEST

HOURS PUMPED (nearest hour) 6

PUMPING RATE (gal. per min.) 002.5

METHOD USED TO MEASURE PUMPING RATE Bucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING 27 ft.

WHEN PUMPING 268 ft.

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 (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) IN BOX 29.

CAPACITY: GALLONS PER MINUTE (to nearest gallon)

PUMP HORSE POWER

PUMP COLUMN LENGTH (nearest ft.)

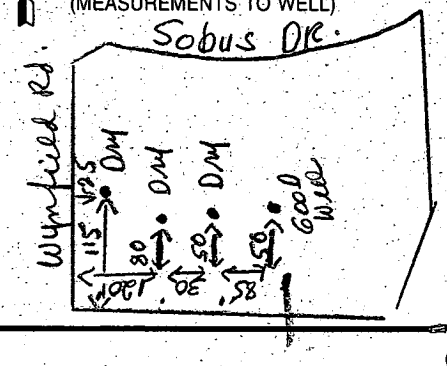
CASING HEIGHT (circle appropriate box and enter casing height)

+ above LAND SURFACE

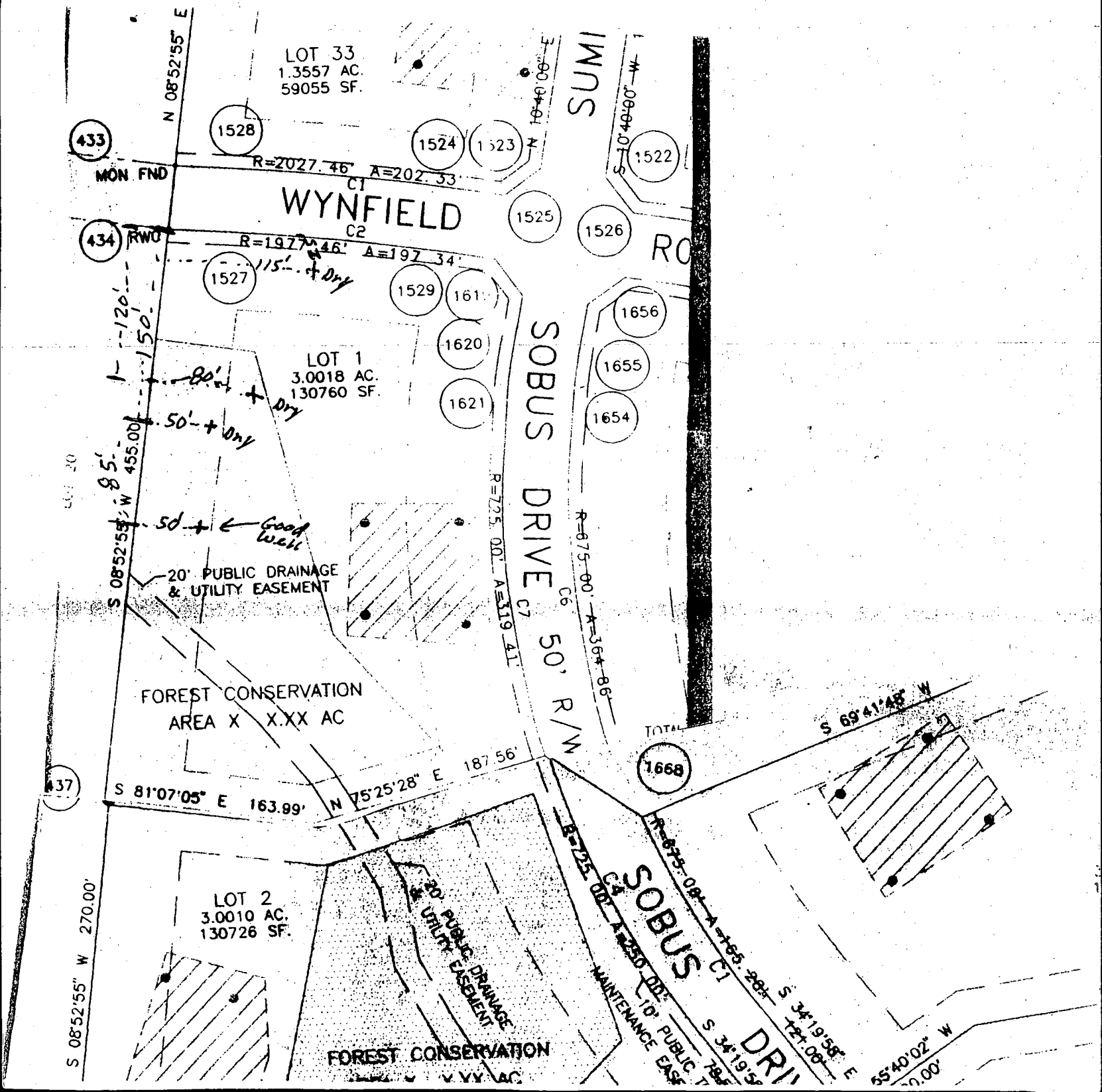
− below 2 (nearest) foot

LOCATION OF WELL ON LOT

SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND /OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)



COUNTY


LOT 33
1.3557 AC.
59055 SF.
N 08°52'55" E
433
MON FND
1528
1524
1523
1522
R=2027.46' A=202.33'
C1
WYNFIELD
C2
434
RWO
R=1977.46' A=197.34'
1527
1529
1525
1526
SUMI
RO
1656
1620
1655
1621
1654
LOT 1
3.0018 AC.
130760 SF.
120'
150'
80'
50'
Dry
455.00'
S 08°52'55" W
85'
5d
Good Well
20' PUBLIC DRAINAGE & UTILITY EASEMENT
SOBUS DRIVE
50' R/W
C7
C6
R=725.00' A=319.41'
R=875.00' A=364.86'
FOREST CONSERVATION
AREA X X.XX AC
TOTAL
1668
S 69°41'48" W
437
S 81°07'05" E 163.99'
N 75°25'28" E 187.56'
LOT 2
3.0010 AC.
130726 SF.
S 08°52'55" W 270.00'
20' PUBLIC DRAINAGE & UTILITY EASEMENT
FOREST CONSERVATION
C4
SOBUS
C1
R=875.00' A=165.20'
R=725.00' A=250.00'
10' PUBLIC
MAINTENANCE EASE
S 34°19'58" E 121.00'
S 34°19'58"
DRI
55°40'02" W
0.00'

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

Fax 313-2648 313-2640

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation ✓
Replacement ____

Receipt # ____
Date 2/18/97

Name of Installer Robert L. Feezer Co, Inc Telephone 781-4635

License Number 2122
Certified Well Pump Installer ✓ Well Driller ____ Registered Plumber ✓

Name of Property Owner Altieri Homes Telephone 795-1405
Subdivision Sobus Farms Lot # 1 Well Tag # Ho-93-0098
Site Address 3000 Sobus Drive

Pump
1. Type
   a. Deep well jet ____
   b. Shallow well jet ____
   c. Submersible ✓
2. Make 4FSD02JL
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 3/4
2. RPM 3450
3. Voltege ____
   a. 110 ____
   b. 220 ✓

Pitless Adapter
1. Make Hydro/Flo
2. Model # PT800
3. Depth 42"

Tank Well-x-trol Captive Air
1. Capacity 34 Gals.
2. Pressure relief valve? YES

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

Well data
1. Depth 382 ft.
2. Yield ____ GPM
3. Static water level ____ ft.
4. Will water supply be disinfected by installer? YES

2/18/97
casing 8" above grade.
P.A. 44" below grade. 2-piece cap installed OK to cover DS

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.

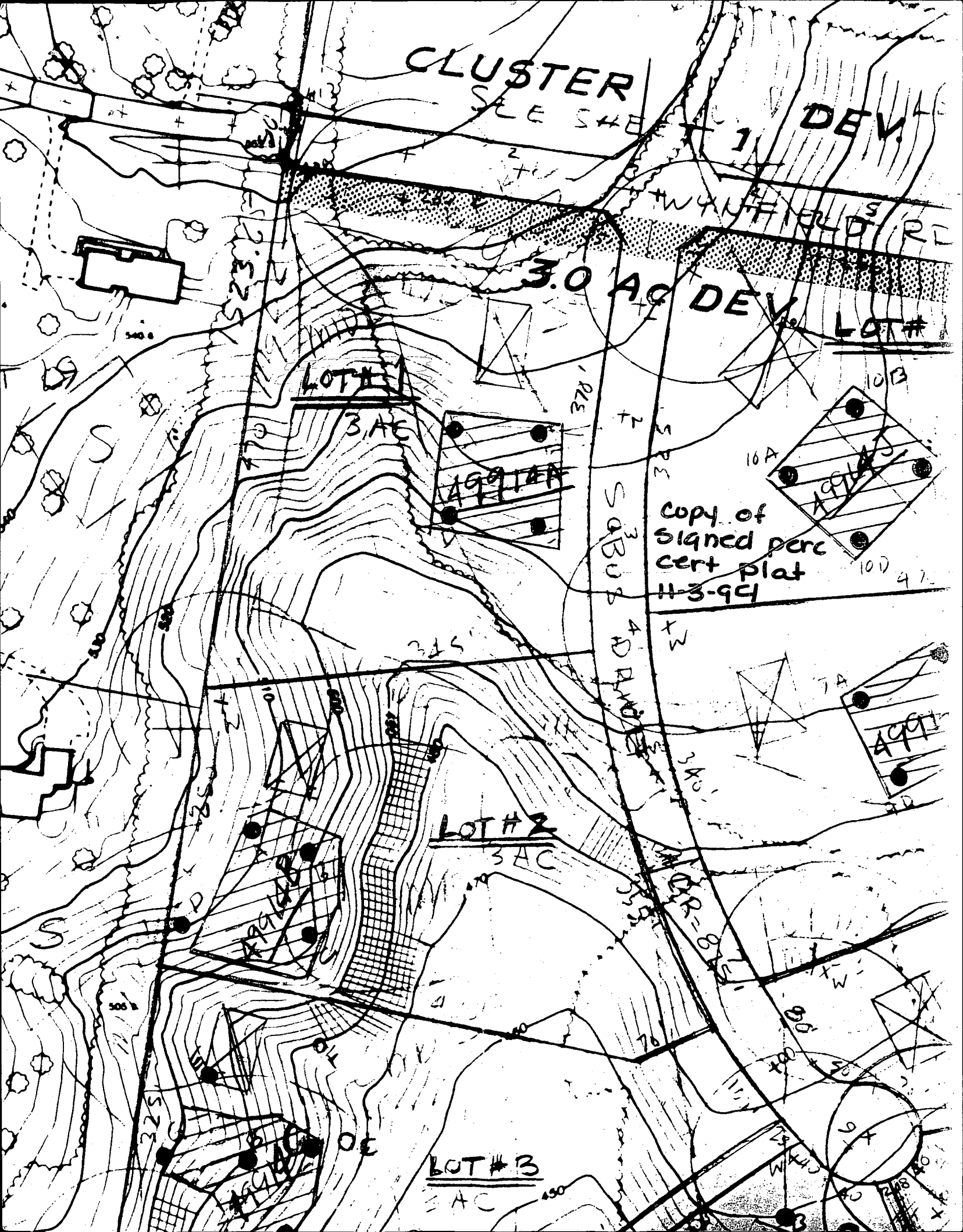
Signature of Applicant Robert L. Feezer

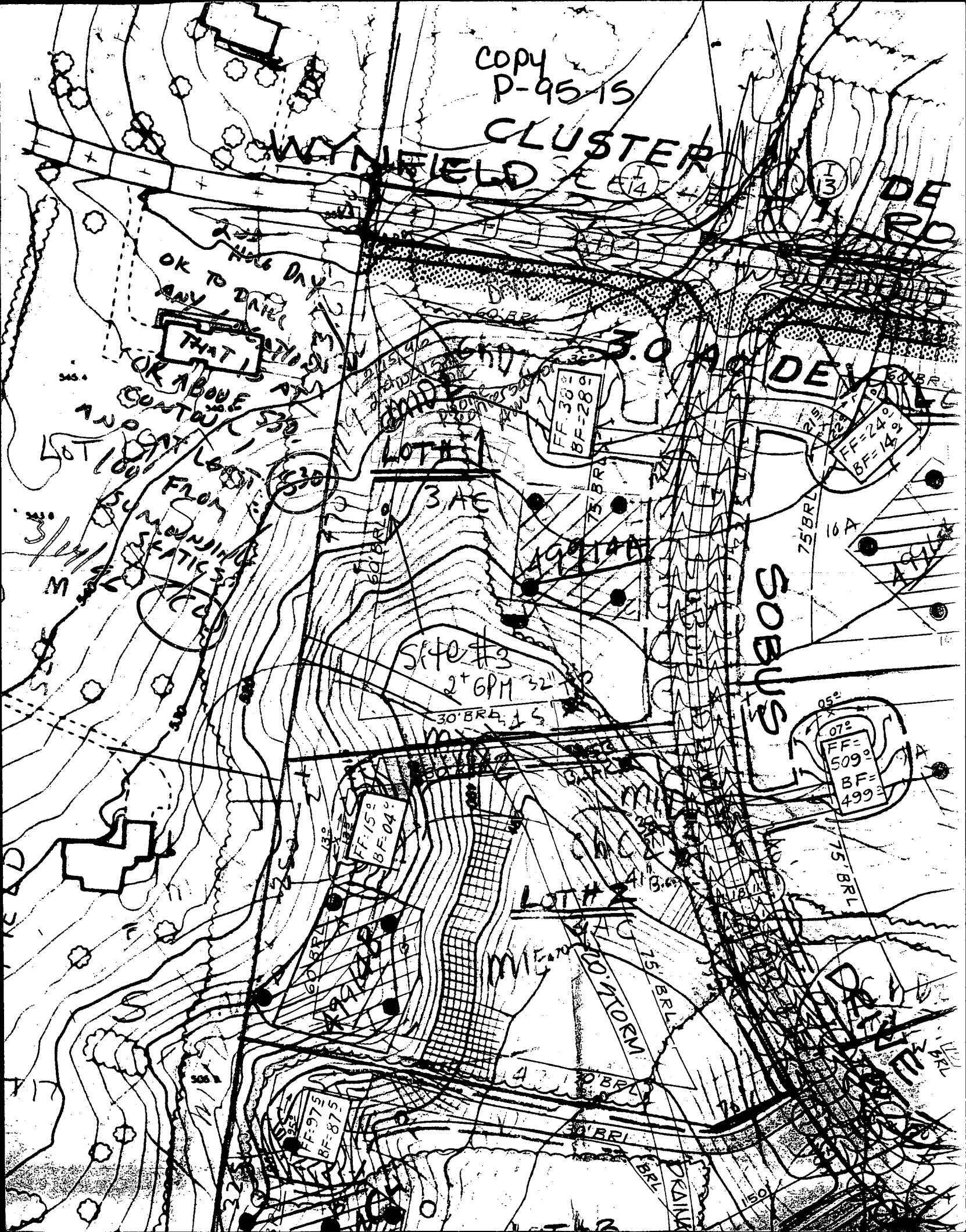
Date: 2/18/97

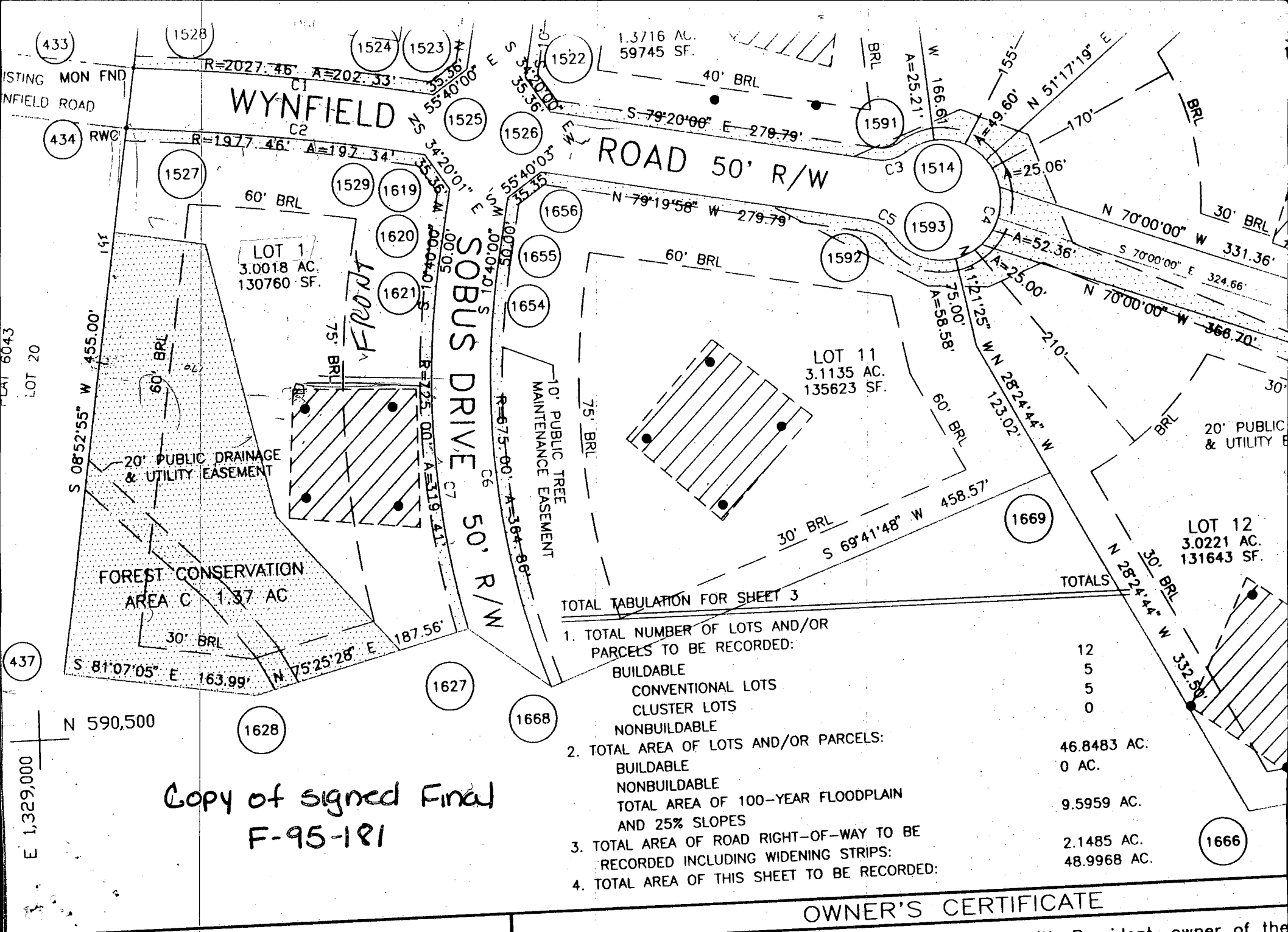
Note: A sticker indicating approval/status of the installation will be placed on the well casing at the time of the inspection.

FD-215

TOTAL P.01


CLUSTER
SUBDIV
1 DEV.
3.0 AC DEV.
LOT #
LOT #1
3 AC
LOT #2
3 AC
LOT #3
3 AC
Copy of
signed perc
cert plat
11-3-94


COPY
P-95-15
CLUSTER
WYNFIELD
DR
OK TO DIG
ANY
THAT
OK ABOVE
CONTOUR
530
LOT 1
LOT #1
3 AC
3.0 AC DEV
SOBUS
SITE #3
2+ GPM
32" TD
30' BRL
FF=30'
BF=28'
FF=24'
BF=14'
FF=509'
BF=499'
FF=15'
BF=04'
FF=975'
BF=875'
75' BRL
LOT #2
4.13 AC
20' STORM
DRAINA
150'



Copy of signed Final
F-95-181

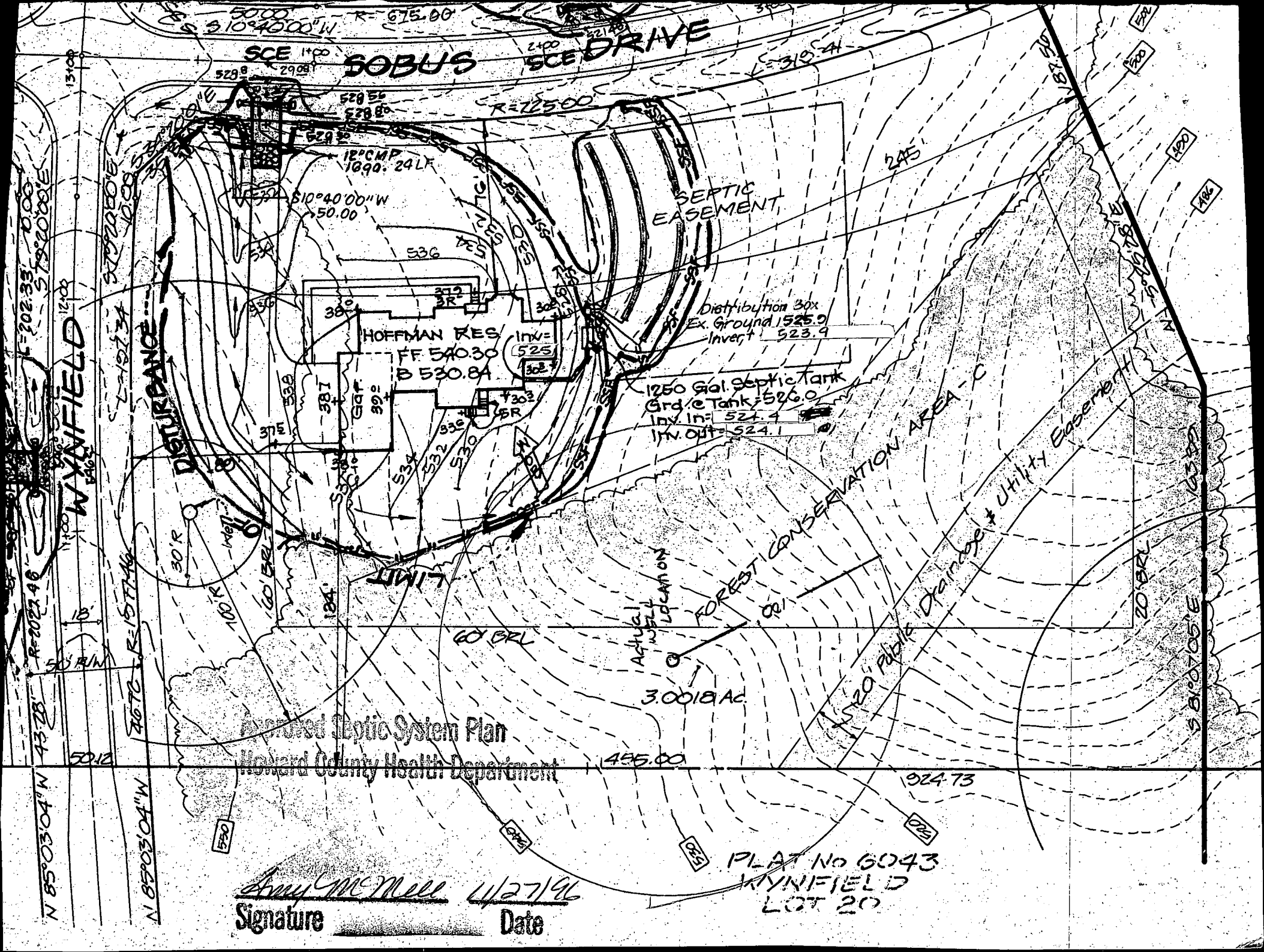
TOTAL TABULATION FOR SHEET 3

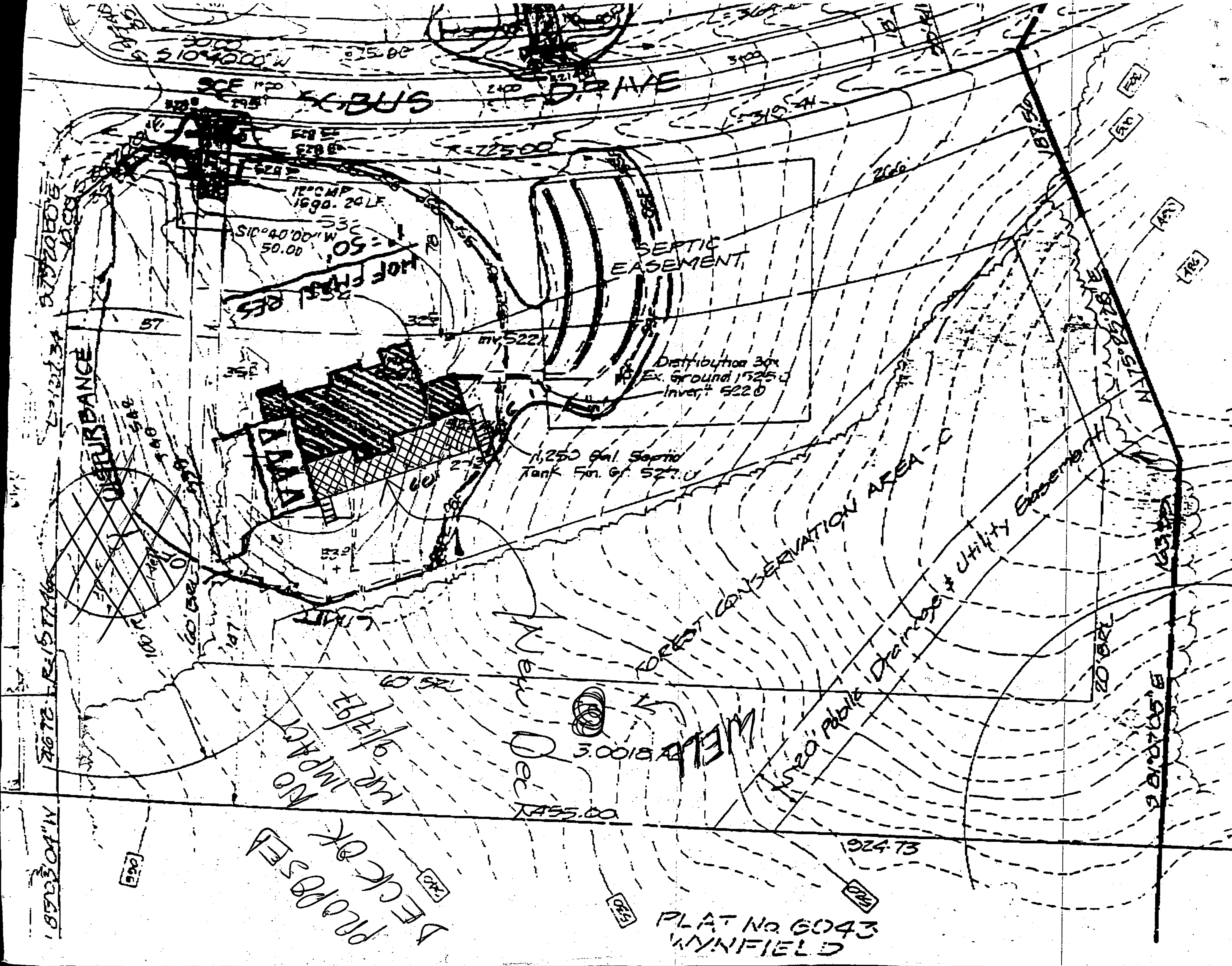
	TOTALS
1. TOTAL NUMBER OF LOTS AND/OR PARCELS TO BE RECORDED:	12
BUILDABLE	5
CONVENTIONAL LOTS	5
CLUSTER LOTS	0
NONBUILDABLE	
2. TOTAL AREA OF LOTS AND/OR PARCELS:	46.8483 AC.
BUILDABLE	0 AC.
NONBUILDABLE	
TOTAL AREA OF 100-YEAR FLOODPLAIN AND 25% SLOPES	9.5959 AC.
3. TOTAL AREA OF ROAD RIGHT-OF-WAY TO BE RECORDED INCLUDING WIDENING STRIPS:	2.1485 AC.
4. TOTAL AREA OF THIS SHEET TO BE RECORDED:	48.9968 AC.

OWNER'S CERTIFICATE

Hilltop Development Corporation, by Richard J. Demmitt, President, owner of the property shown and described hereon, hereby adopt this plan of subdivision, an consideration of the approval of this final plan by the Department of Planning establish the minimum building restriction lines and grant unto Howard construct and maint

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS FOR HOWARD COUNTY HEALTH DEPARTMENT


SOBUS DRIVE
SCE
R=675.00
S10°40'00"W
50.00
R=725.00
L=319.41
12" CMP
169.0. 24 LF
S10°40'00"W
50.00
SEPTIC EASEMENT
HOFFMAN RES
FF 540.30
B 530.84
INV= 525
Distribution 30x
Ex. Ground 525.9
Invert 523.9
1250 Gal. Septic Tank
Grd. e Tank = 526.0
Inv. In = 521.4
Inv. Out = 524.1
DISTURBANCE
LIMIT
FOREST CONSERVATION AREA - C
Actual Well Location
3.0018 Ac.
20' Public Drainage & Utility Easement
Approved Septic System Plan
Howard County Health Department
PLAT No 6043
KYNFIELD
LOT 20
Signature
Date


SEPTIC EASEMENT
1,250 Gal. Septic Tank
FOREST CONSERVATION AREA
20' Public Drainage & Utility Easement
3.0018 AC
924.73
R=225.00
PLAT No. 6043
WYNFIELD