

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

INDEXED

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXX~~

313-2640

03-306119

P 57318

A 28488

DISTRICT 3rd

DATE 10-11-96

DATE SYSTEM APPROVED 10/18/96

INSPECTOR ALM

J. Joseph Gartland

IS PERMITTED TO INSTALL ALTER

ADDRESS 1835 W. Old Liberty Road, Westminster, Maryland 21157 PHONE 410-875-2400

SUBDIVISION Laukenmann Property LOT 6 ROAD 1090 Driver Road

PROPERTY OWNER Wildor Building Corp. Jorman

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS

PUMP SYSTEM ONLY

INSTALL: 1-1000 Gallon Pump Chamber

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

Septic pump test required for final septic system approval.

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 2.5 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Begin trenches 360 feet up the right (499.52') lot line and 20 feet off that same lot line as seen when facing the lot from Driver Road. Run trenches on contour toward the left 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. 10/11/96 OR ALM

PLANS APPROVED BY Amy McMillen

DATE 10/11/96

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

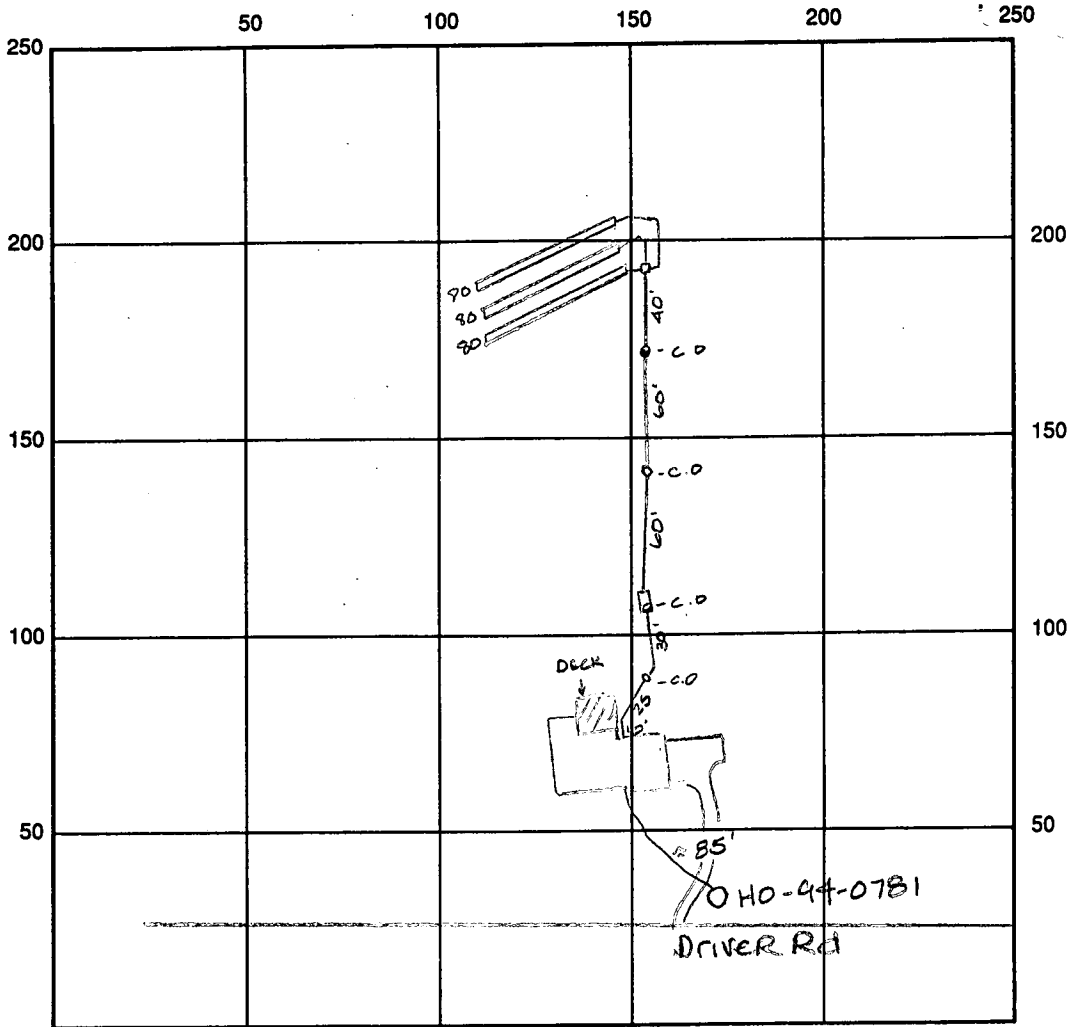
NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS

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**



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL OK 1250 gal CLEANOUTS 4 all OK

DISTRIBUTION BOX LEVEL OK baffle built into DB

DRAIN FIELD/TITLE DEPTH 4.0 FT. TRENCH WIDTH 3.0 FT. INLET DEPTH 2.0 FT.

EFFECTIVE GRAVEL DEPTH 2.0 FT. TOTAL LENGTH 240 FT.

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 720 SQ. FT.

DRYWALL INSIDE DIAMETER FT. EFFECTIVE DEPTH BELOW INLET FT.

ABSORBENT AREA SQ. FT.

REMARKS: 10/16/96 INSTALLER REPORTS GRAVITY SYSTEM PLUMBABLE; OK
TO INSTALL GRAVITY SYSTEM MR 10/18/96 Gravity system
installed - OK to close final

DATE SYSTEM APPROVED 10/18/96 INSPECTOR Amy Mc Miller

APPLICATION

PERCOLATION TESTING

A 28488

P _____

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

*5/15/96
Perperc requested
by this office to
confirm soil conditions
of recorded
easement. No fee
AM*

DISTRICT _____

DATE _____

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 WILDER BULLAERS Building Corp

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION LAUKENMANN PROPERTY LOT NO. 6

ROAD AND DESCRIPTION 1090 DRIVER ROAD

TAX MAP _____ PARCEL # _____

**BLDG. PERMIT SIGNED
AND RETURNED 6-25-96
Serial # B00100044**

SIZE OF LOT 3± acres TYPE BLDG. SFD - 4 BRMS
(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.

(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

LOT NUMBER ~~OLD LOT~~ 3 Final lot 6

J. Stayer 1/8/79

Absorbant Area/bedroom 166

SEPTIC TANK 1000 gal 1250 gal 1500 gal

3 bdrms 4 bdrms 5 bdrms

✓ DRY WELL 4
inlet

10
Max. depth 30

498
Abs. Area

664
Abs. AREA

Located 120 FT From front - 200 ft from right property line as seen from road.

TRENCH 4
Inlet

10
Max. depth

bedrooms

Length

Abs. Area

3 BR
4 BR

35
60

216
360

trench should follow contour of land.

If dry well and trench are used leave a 5' earth buffer between them.
If septic tank is 3' or more below grade, use manhole type cleanout to grade.
If more than one trench is used space them parallel, twice their depth apart.
Call office for inspection of trench before placing stone in trench.
All pipe from house to disposal area cast iron.
Install standpipe (6" min.) on septic tank and dry well. Cast iron, concrete, terra cotta ok. Trench distribution lines may be clay, asbestos cement, orangburg type, open joint cast iron or heavy duty plastic. (Commercial standard Cs228-61).

PRELIMINARY

APPLICATION

A 28488

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 3rd

DATE 7/13/78

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 Laukenmann property

ADDRESS _____ PHONE Boender - 465-7777

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. 3

LOT 5 ON LOT 6 ON
F 79-11 179

ROAD AND DESCRIPTION Driver Road

SIZE OF LOT 3 acres m/1 TYPE BLDG. 3 or 4 bedrooms
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 /s/ Jack Boender

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

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

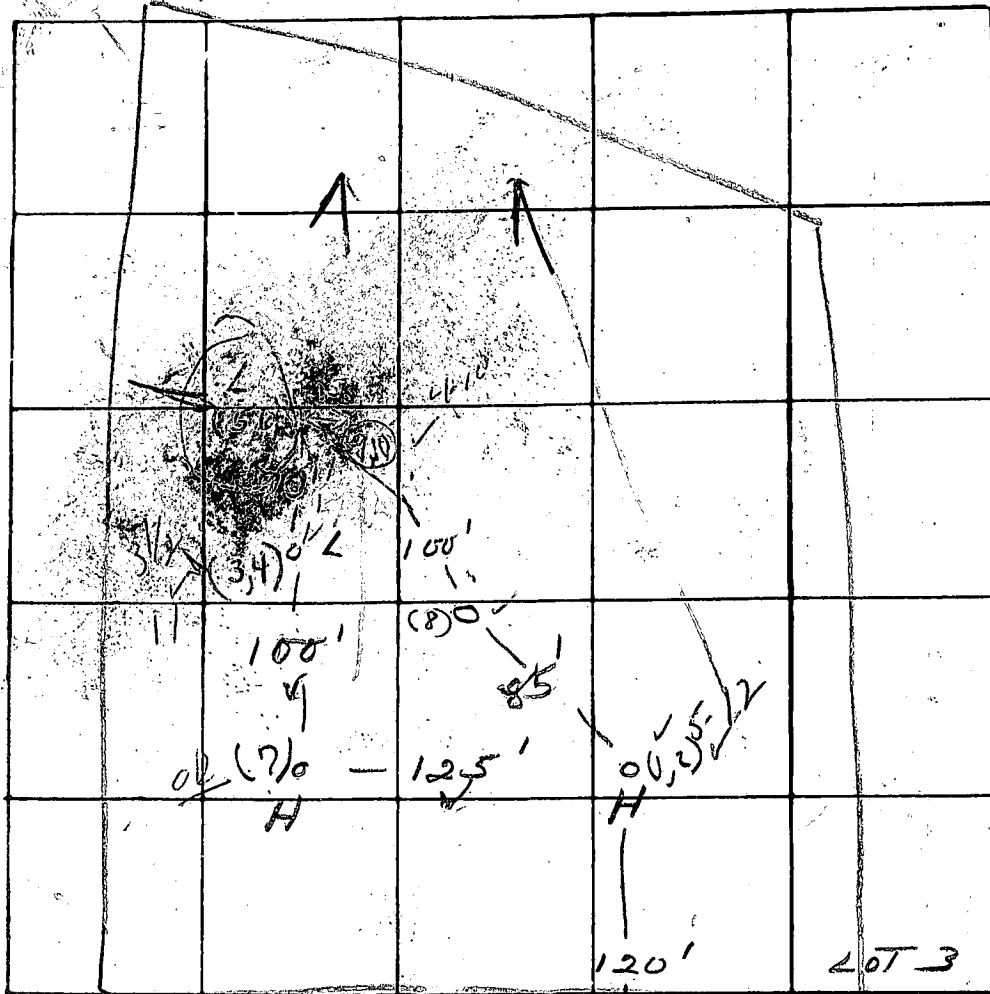
HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

THIS IS NOT A PERMIT

A 28488

LOT 3, LOT 5 ON E-79-11, LOT 6 ON I 79



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

DRIVER RD - TO RD

Soil Profile
Below
clay
lens

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8/10/78	1A	3 1/2	10:27	10:37	10:37	- FAILED	11:14 3/4
	(A) 2	12	10:31	10:34	10:34	10:45	11
	3	3 1/2	10:35	10:47	10:47	11:08	21
	4	11	10:38	10:40	10:40	10:44	4
	(L) 5A	4	10:55	FAILED FIRST INCH			
	6	11	10:50	10:55	10:55	11:03	8
	(H) 7	10 1/2	VISUAL - SOIL - SAME AS 18.2				
	8	11	"		SAND - CLAY		
	5B	5	11:18	FAILED FIRST 1/2"		11:45	
	1B	5	11:29	11:45	11:45	12:13	28

8/11/78 (L) 9 4' 10:01 10:03 10:03 10:05 2m

REMARKS WORK SLOW - 1 PERSON OPERATING BACK HOE, DIGGING PIT HOLES, ETC.

TYPE OF SOIL

TESTED BY BS + JS

ALSO PRESENT: WILDER

C 1 **4595** SEQUENCE NO. (MDE USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)
 ST/CO USE ONLY DATE RECEIVED

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 28488**
 PERMIT NO. FROM "PERMIT TO DRILL WELL" **H0-94-0781**

OWNER **WILDER BUILDERS** STREET OR RFD **1006 DRIVER ROAD** TOWN **WOODSTOCK**
 SUBDIVISION **PAUL FABISZAK** SECTION _____ LOT **6**

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	
Overburden	0	20	
Soft Shale	20	60	
Granite	60	200	x

water was encountered at 110'

GROUTING RECORD YES NO
 WELL HAS BEEN GROUTED (Circle Appropriate Box)
 TYPE OF GROUTING MATERIAL (Circle one)
 CEMENT BENTONITE CLAY
 NO. OF BAGS **14** NO. OF POUNDS **1400**
 GALLONS OF WATER **88**
 DEPTH OF GROUT SEAL (to nearest foot)
 from **0** ft. to **56** ft.
 (enter 0 if from surface)

CASING RECORD
 casing types insert appropriate code below
 ST STEEL CO CONCRETE
 PL PLASTIC OT OTHER
 MAIN CASING TYPE Nominal diameter top (main) casing (nearest inch) Total depth of main casing (nearest foot)
 ST **6** **63**

OTHER CASING (if used)
 diameter inch depth (feet) from to
 A C H C A S I N G

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

NUMBER OF UNSUCCESSFUL WELLS: **0**
 WELL HYDROFRACTURED YES NO

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

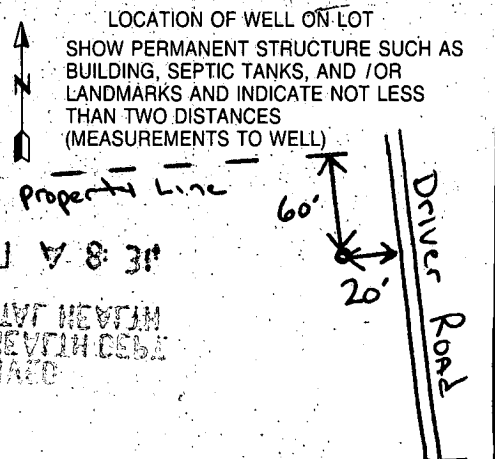
TYPE: MWD/MSD/MGD
 DRILLERS LIC. NO. **399**
 DRILLERS SIGNATURE *Robert Prie*
 LIC. NO. **MSD017**
 SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

C 2
 DEPTH (nearest ft.)
 E 1 **H0 63 200**
 A C H S C 2
 R E E 3
 N
 SLOT SIZE 1 _____ 2 _____ 3 _____
 DIAMETER OF SCREEN _____ (NEAREST INCH)

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68
 MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) (E.R.O.S.)
 T
 TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3
PUMPING TEST
 HOURS PUMPED (nearest hour) **3**
 PUMPING RATE (gal. per min.) **16.6**
 METHOD USED TO MEASURE PUMPING RATE **Submersible**
 WATER LEVEL (distance from land surface)
 BEFORE PUMPING **35** ft.
 WHEN PUMPING **81** 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 (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 }
 - below } LAND SURFACE (nearest foot) **1**



LAUKENMANN PROP.
LOTS # 6 & # 10
PLAT # 4566

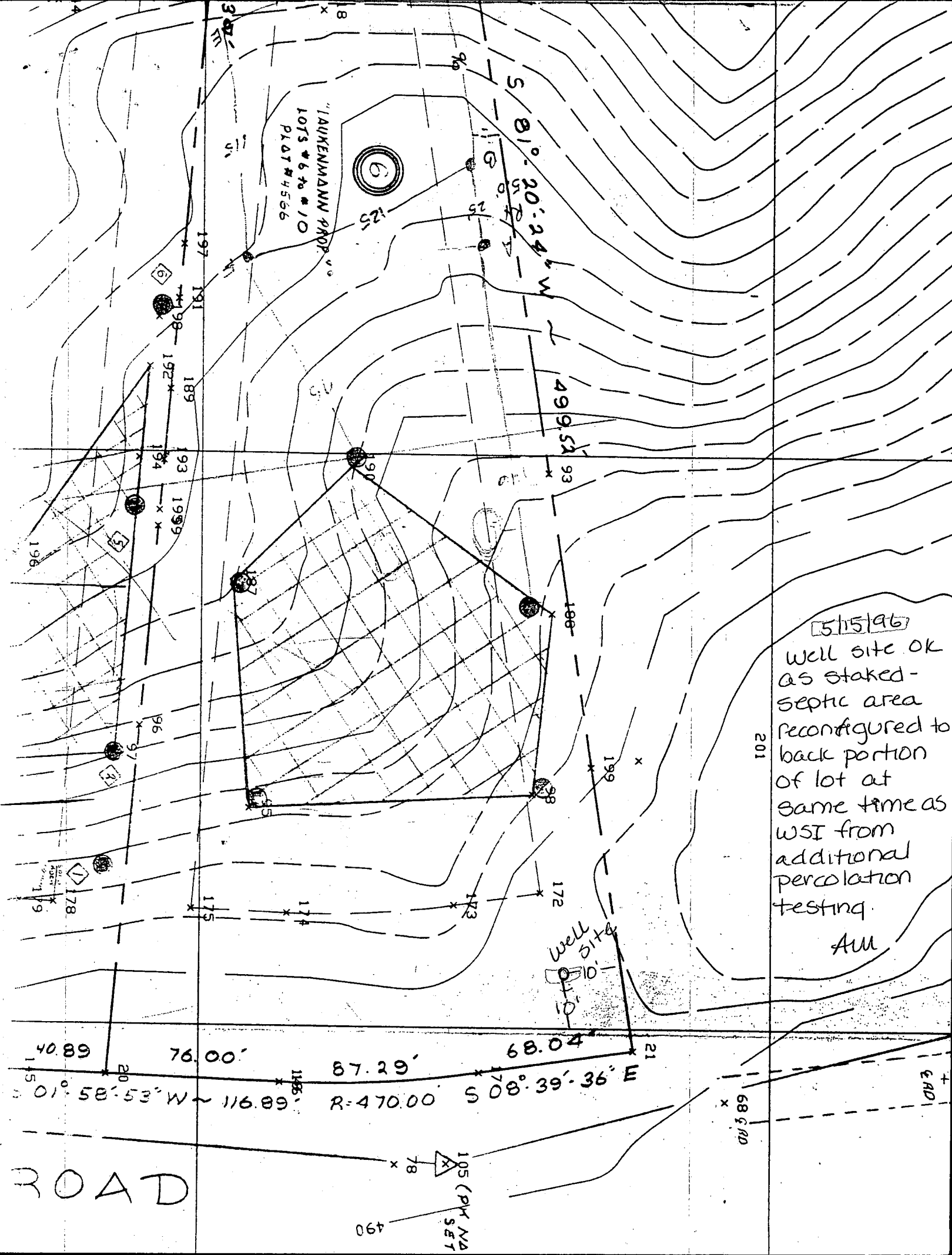
S 81° 20' 24" W

5/15/96
Well site OK
as staked -
septic area
reconfigured to
back portion
of lot at
same time as
WSI from
additional
percolation
testing.
AM

40.89 76.00' 87.29' 68.04'
01° 58' 53" W ~ 116.89' R=470.00 S 08° 39' 36" E

ROAD

105 (PK N/2
SET



SEEDING

LIMESTONE (92 LBS/
-20-20 FERTILIZER
HARROW OR DISC
TIME OF SEEDING,
FORM FERTILIZER
ACRE (1.5 LBS./

APRIL 30, AND AUGUST
LBS. PER ACRE (2.3
FESCUE, FOR THE
WITH 60 LBS/ACRE
L FESCUE AND
) OF WEEPING
OBER 16 THROUGH
N (1) - TWO TONS PER
H AND SEED AS SOON AS
USE 500; OPTION (3) -
TALL FESCUE AND MULCH
STRAW. ALL SLOPES SHOULD

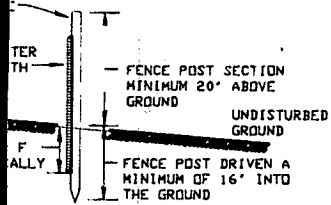
TO 90 LBS./1,000 SQ.FT.)
EDIATELY AFTER SEEDING.
PLICATION USING 200
) OF EMULSIFIED
3 FEET OR HIGHER USE
SQ.FT.) FOR ANCHORING.

NEEDED REPAIRS,

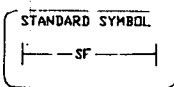
UNG CROWNVECH AT 15
FESCUE AT 40 LBS/ACRE AS
SEEDING DATE FOR THIS

MINIMUM LENGTH FENCE POST,
IVEN A MINIMUM OF 16" INTO
GROUND

16" MINIMUM HEIGHT OF
GEOTEXTILE CLASS F
8" MINIMUM DEPTH IN
GROUND



CROSS SECTION



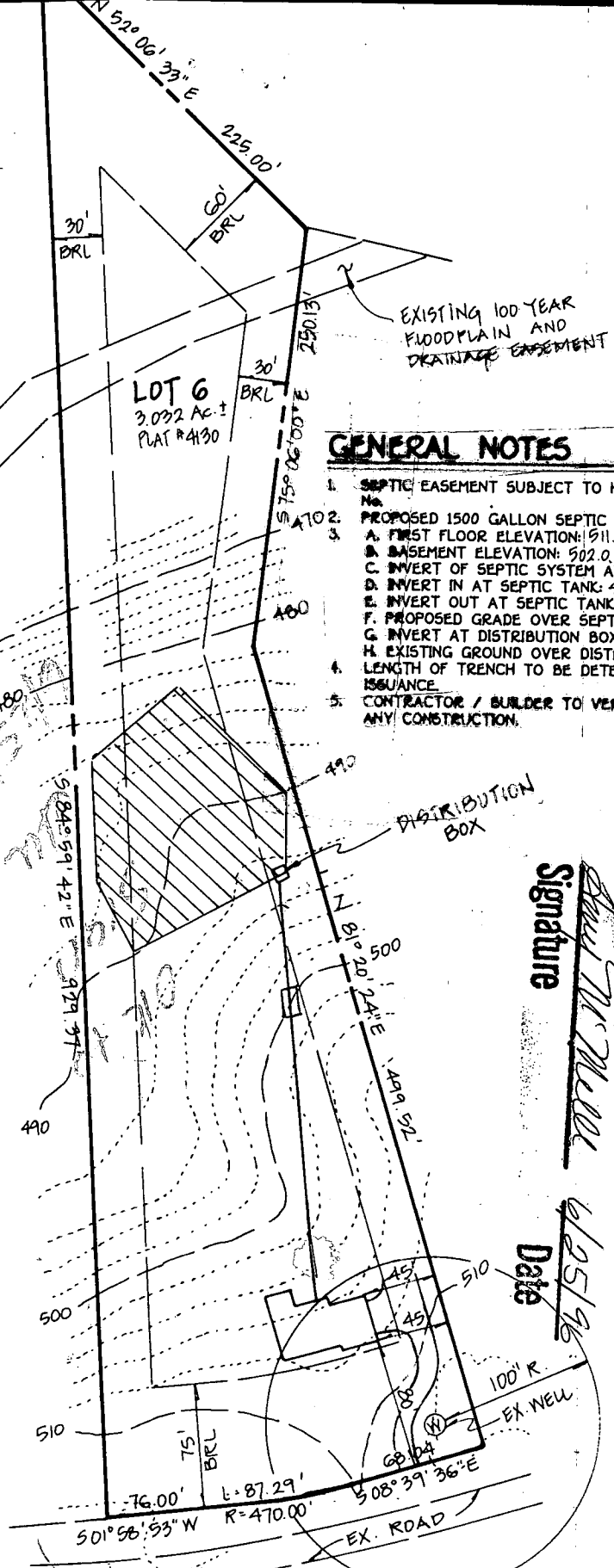
iven 16" minimum into the
(minimum) cut, or 13/4" diameter
ardwood. Steel posts will be
1.00 pond per linear foot.

h fence post with wire ties
the following requirements

- Test: MSMT 509
- Test: MSMT 509
- Test: MSMT 322
- Test: MSMT 322

, they shall be overlapped.

fall event and maintained when
ed 50% of the fabric height.



GENERAL NOTES

- SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT No.
- PROPOSED 1500 GALLON SEPTIC TANK.
- A. FIRST FLOOR ELEVATION: 511.0
- B. BASEMENT ELEVATION: 502.0
- C. INVERT OF SEPTIC SYSTEM AT HOUSE: 499.50
- D. INVERT IN AT SEPTIC TANK: ~~499.70~~ 496.0
- E. INVERT OUT AT SEPTIC TANK: ~~489.70~~ 495.7
- F. PROPOSED GRADE OVER SEPTIC TANK: ~~507.5~~ 500.0
- G. INVERT AT DISTRIBUTION BOX: 499.90
- H. EXISTING GROUND OVER DISTRIBUTION BOX: 492.80
- LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
- CONTRACTOR / BUILDER TO VERIFY ELEVATIONS IN FIELD BEFORE BEGINNING ANY CONSTRUCTION.

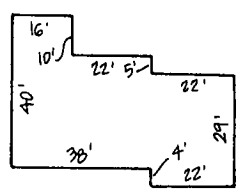
Signature
Paul McNeill

Date
6/25/96

Approved Septic System Plan
Howard County Health Department

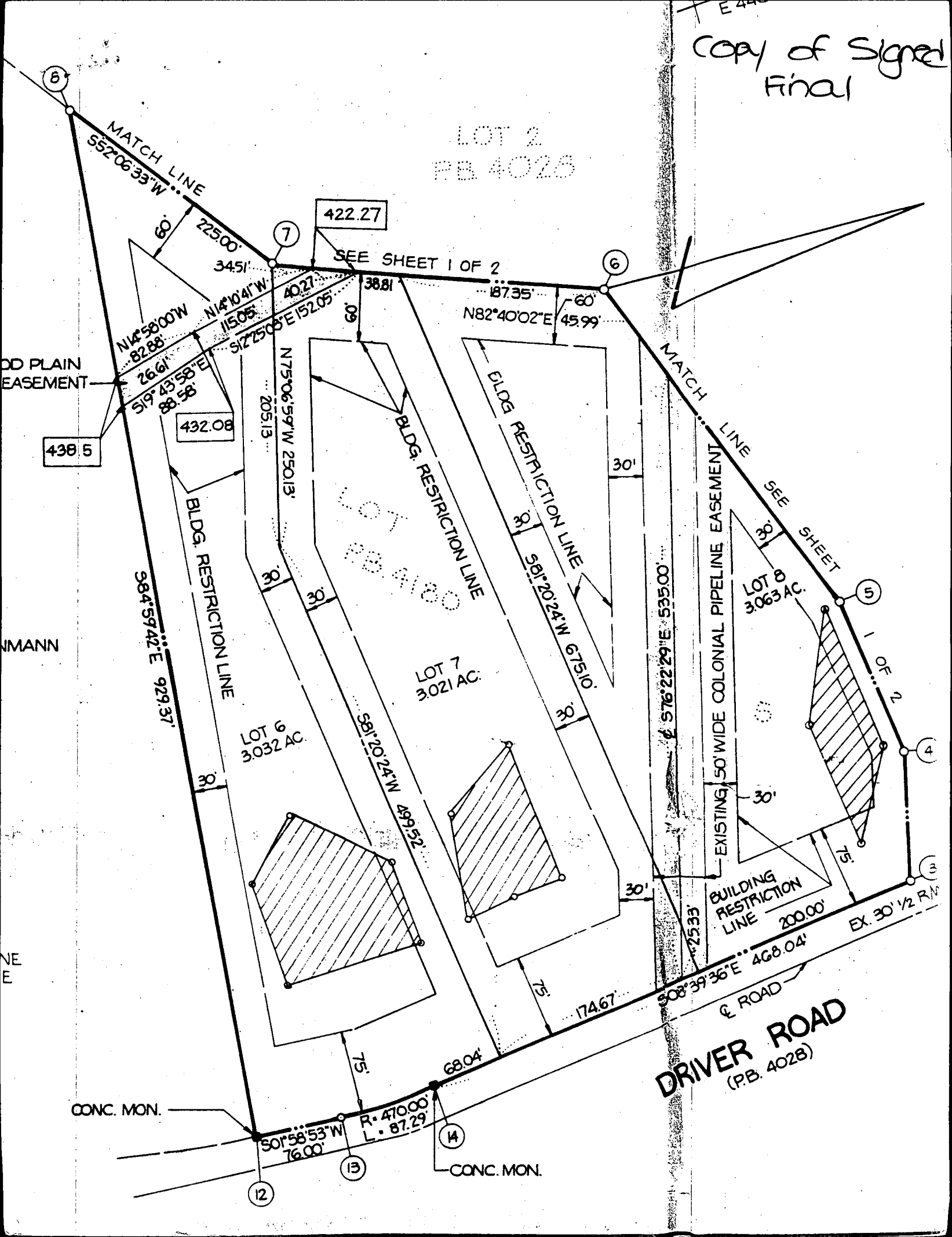
DRIVER ROAD

PLAN
SCALE: 1" = 100'



Copy of Signed Final

LOT 2
PB 4028



MATCH LINE
S52°06'33"W

422.27

SEE SHEET 1 OF 2

MATCH LINE
SEE SHEET 5 OF 2

ROAD PLAIN
EASEMENT

438.5

N14°58'00"W
82.88
N14°10'41"W
115.05
S17°25'05"E
152.05
N75°06'59"W
250.13
205.13

187.35
N82°40'02"E
45.99

384°59'42"E
929.37

BLDG. RESTRICTION LINE

LOT 7
PB 4100

LOT 7
3.021 AC.

LOT 6
3.032 AC.

S81°20'24"W
675.10
459.52

EXISTING 50' WIDE COLONIAL PIPELINE EASEMENT

LOT 8
3.063 AC.

BUILDING RESTRICTION LINE

CONC. MON.

S01°58'53"W
76.00

CONC. MON.

DRIVER ROAD
(PB 4028)

ROAD
EX. 30' 1/2 R/W

174.67
S08°39'36"E
468.04

25.33

68.04

13

14

12

6

7

5

1 OF 2

4

3