

2/13/97
C.O. & WPT
11:00

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 57602

A 36249

03-316599

DISTRICT _____

HOWARD COUNTY HEALTH DEPARTMENT

DATE 12-12-96

BUREAU OF ENVIRONMENTAL HEALTH

DATE SYSTEM APPROVED 2-13-97

~~XX400921~~ 313-2640

INSPECTOR KM

INDEXED

Olen Ketterman IS PERMITTED TO INSTALL ALTER _____

ADDRESS 14960 Route 144, Woodbine, Maryland 21797 PHONE 442-1336

SUBDIVISION River Downs, Sec. 2 LOT 9 ROAD 947 High Stepper Trail

PROPERTY OWNER Selfridge Building, Inc.

ADDRESS _____

SEPTIC TANK CAPACITY 1000 GALLONS

NUMBER OF BEDROOMS 3

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 180

TRENCHES - Trench to be 3 feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 5 feet below original grade. Effective area begins at 3.5 feet below original grade. 1.5 feet of stone below distribution pipe.

LOCATION - Starting from the intersection of the 400.00' and 690.70' lot lines, place the distribution box 325 feet down the 690.70' lot line and 90 feet off this same lot line. Run trenches on contour toward 400.00' 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.

PLANS APPROVED BY Mark Rifkin/Ronald J. Pinkley REVISED DATE 12/02/96

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

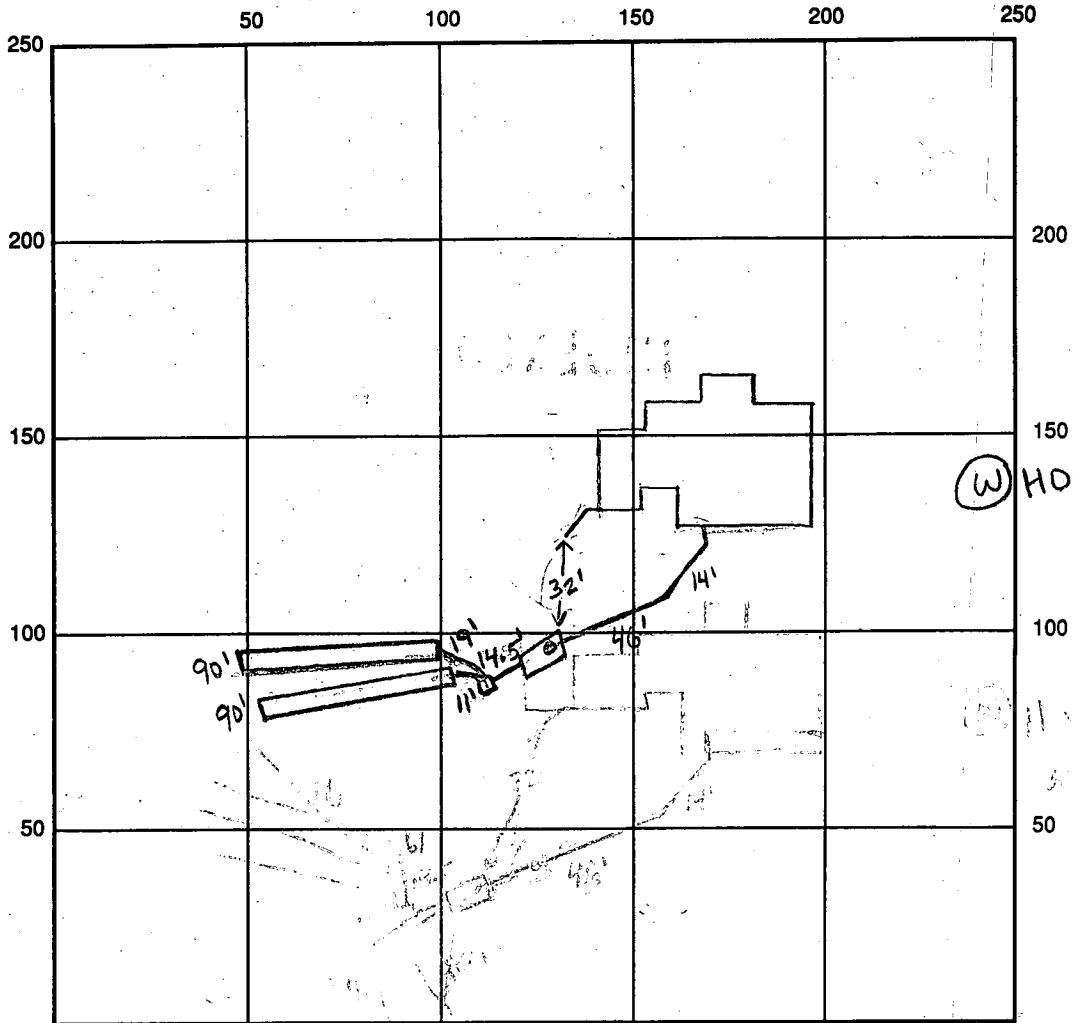
PERMIT VOID AFTER TWO YEARS

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**

A
36249



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

Gravel Driveway leading to High Stepper Trail

SEPTIC TANK LEVEL OK, 1000 gallons

CLEANOUTS 1 on tank

DISTRIBUTION BOX LEVEL OK, baffle in

DRAIN FIELD/TITLE DEPTH 5 FT.

TRENCH WIDTH 3 FT.

INLET DEPTH 3.5 FT.

EFFECTIVE GRAVEL DEPTH 1.5 FT.

TOTAL LENGTH 90 x 2 FT. → 180

NUMBER OF TRENCHES 2

ONE SIDEWALL BOTTOM AREA 540 SQ. FT.

DRYWALL INSIDE DIAMETER — FT.

EFFECTIVE DEPTH BELOW INLET — FT.

ABSORBENT AREA — SQ. FT.

REMARKS: 2-6-97 OK to cover up to tank, house connection made KM

2-13-97 OK to cover all work, well line OK to cover needs 2 piece water tight cap KM

DATE SYSTEM APPROVED 2-13-97

INSPECTOR Kim Maister

APPLICATION

SEWAGE DISPOSAL TESTING

A 36249

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

DISTRICT _____

P. O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330

DATE 11/26/85

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 ~~Chase Development Corporation~~ Selfridge Builders, Inc.

ADDRESS P.O. Box 5780 Pikesville, Maryland 21208 PHONE (301) 484-3100

PROPERTY LOCATION:

LOT 9 Prelim. 11/86

SUBDIVISION River Downs LOT NO. DB

ROAD AND DESCRIPTION River Road - 2800' Northeasterly From Route 32

(947 High Stepper Trail)

SIZE OF LOT 3 Ac. TYPE BLDG. Not Known

(NUMBER OF BEDROOMS)

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.

Curtis Karol Purdum & Jeschke
(SIGNATURE OF APPLICANT)

APPROVED BY Sid Abel FOR Shallow til fields DATE 1-2-87

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 12-5-85 Recd. SATISFACTORY; Hold For Certified Subdivision

PLAT; Shallow System Only. SAbel

BLDG. PERMIT SIGNED
AND RETURNED 11/19/86

Serial # BV103030
SFD-3Bm

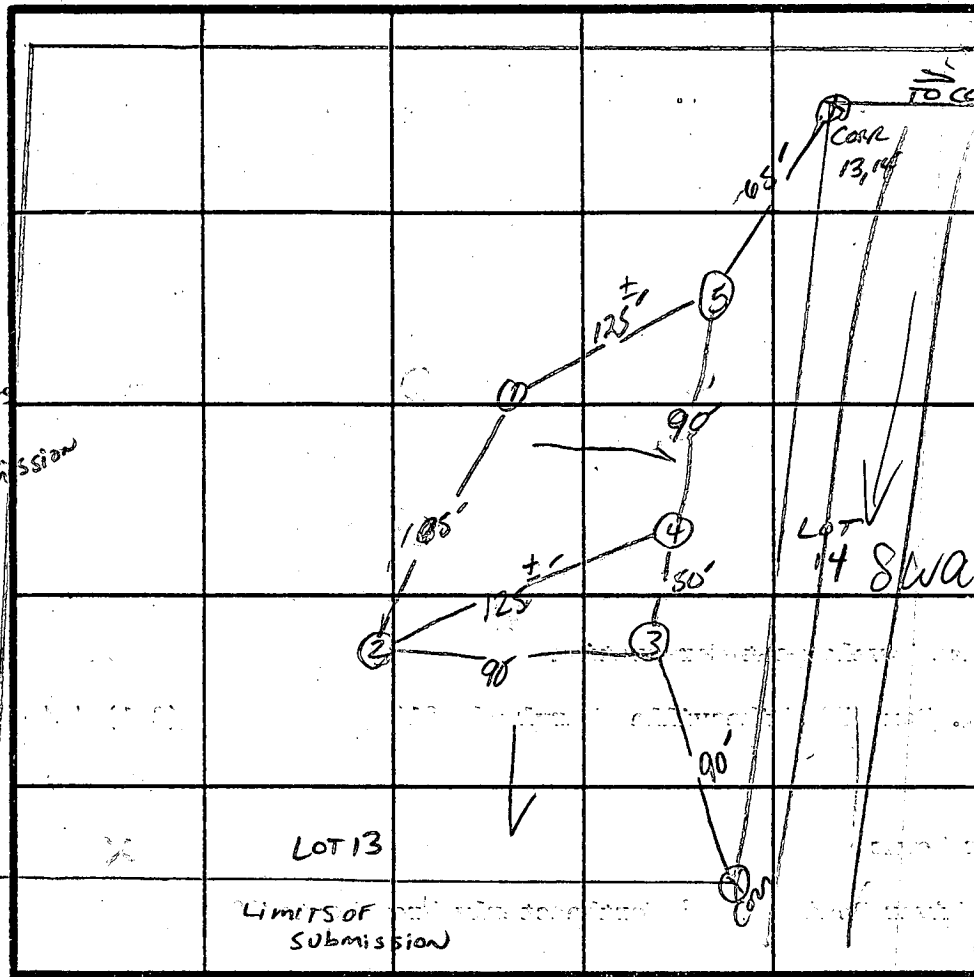
THIS IS NOT A PERMIT

④ ⑤
① ②

SOIL PROFILE

0"	A1-3
9"	Yellow Br Clay silt Common roots SAPROLITE
4.5"	Yellow Br Sand loam <10% SAPROLITE
12"	

Limits
OF
Submission



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.
√ TO RIVER Rd.

2 Perc TIME
6 MIN
INLET 3.5"
BOTTOM 5.0"

170 @ BR

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
12/6/85	OK 1 S V	4.5" 12"	12:14	12:15	12:15	12:16:30	1.5 min
	OK 2 S V	4" 12"	12:19	12:20	12:20	12:22	2 min
	3 V	Rock Bottom	Mica Schist 9'		STRUCTURED 5'		
	OK 4 S V	4.5" 12"	12:23	12:24	12:24	12:25:30	1.5 min
	OK 5 S V	4" 11"	12:38	12:44	12:44	12:59	15 min

REMARKS Perc Diff than PLAT Shallow System only

TYPE OF SOIL Glenely Sand Loam

TESTED BY S. Abel

ALSO PRESENT Jeff, John, GAMS

EH-12-1079

APPLICATION

SEWAGE DISPOSAL TESTING

A 36250

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
P. O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330

DISTRICT _____

DATE 11/26/85

failed

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 Chase Development Corporation

ADDRESS P.O. Box 5780 Pikesville, Maryland 21208 PHONE (301) 484-3100

PROPERTY LOCATION:

NOW PART OF LOT 9

SUBDIVISION River Downs LOT NO. 14

ROAD AND DESCRIPTION River Road - 2800' Northeasterly From Route 32

SIZE OF LOT 3 Ac. TYPE BLDG. Not Known
(NUMBER OF BEDROOMS)

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.

William G. Karel
Pardon & Jeschke
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 12-5-85 Requires Redesigning - Rock in all hole. S. And
4-8-84 Unsatisfactory Perc, may be combined w/ lot 15 if site located.
Hold for certified subdivision perc. Rock at shallow depths. S. And

THIS IS NOT A PERMIT

① ②
SOIL PROFILE

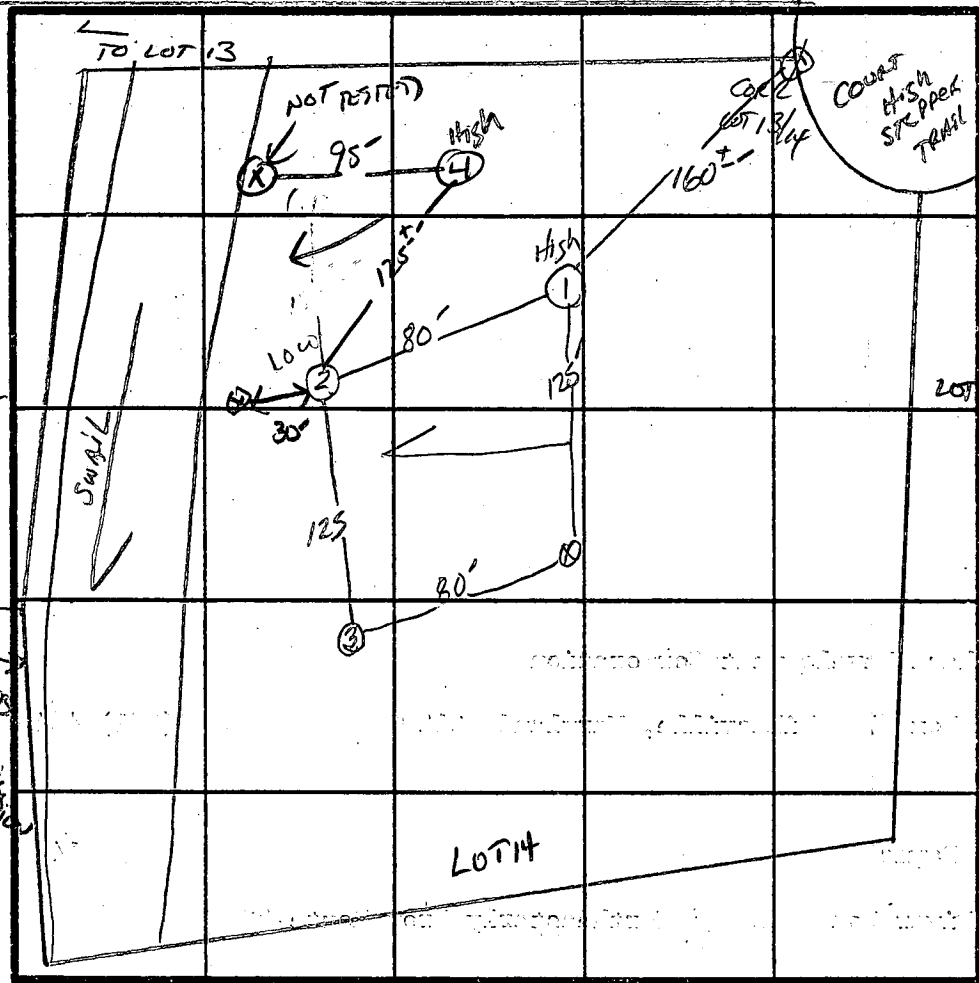
0"	A1-3
9"	Yellow BR SAND CLAY LOAM 20% S APPROX
3'	Yellow BR SAND SILT 20-30% S APPROX
8'	MICACEOUS SCHIST STRUCTURE S APPROX
10-12'	HARD BOTTOM

③

0"	A1-3
9"	Yellow BR SAND CLAY LOAM 20-30% SCHIST FRAGMENTS
3'	Yellow BR SAND SILT STRUCTURED MICA SCHIST > 50% FRAGMENTS
7'	HARD BOTTOM

④

0"	A1-3
4"	Yellow BR Silty CLAY LOAM 20% FRAGMENTS
9"	OLIVE GREEN SAND LOAM 20-30% FRAGMENTS
10-12'	STRUCTURE MICACEOUS SANDSTONE HARD BOTTOM



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

↓ TO RIVER Rd.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
4/8/85	1 S	4"	→ NOLE UNACCEPTABLE					
	1 V	12"	HARD MICA SCHIST BOTTOM - STRUCTURED MICA SCHIST 8'					
	2 S	3.5'	UNACCEPTABLE					
	2 V	10'	HARD BOTTOM - MICA SCHIST - STRUCTURE MICA SCHIST					
	3 S		UNACCEPTABLE					
	3 V		HARD BOTTOM AT 10" STRUCTURE AT 8"					
4/8/84	4 S		UNACCEPTABLE					
	4 V		10" HARD BOTTOM STRUCTURE AT 9"					

REMARKS Parc Area Diff. Draw Plat - REDESIGN ROCK AT SHALLOW DEPTHS

TYPE OF SOIL Glenelg Soil

TESTED BY S. Abel

ALSO PRESENT Jeff, John, Curtis

echo sub

EH-1

C 1 5114

SEQUENCE NO. (DENV 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 36249

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

DATE RECEIVED grid

DATE WELL COMPLETED 051394

Depth of Well 180

PERMIT NO. H0-44-0072

OWNER Paris last name Harold first name STREET OR RFD High Stepper Trail TOWN Sykesville SUBDIVISION RIVER DOWNS SECTION LOT 9

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 TO Check if water bearing

Table with 3 columns: Description, Feet, Check if water bearing. Rows include SAND Stone (0-37) and GRAY M. CA. Rock (37-180).

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 9 NO. OF POUNDS 816

GALLONS OF WATER 54

DEPTH OF GROUT SEAL (to nearest foot)

from 0 ft. to 35 ft.

from 0 ft. to 35 ft.

(enter 0 if from surface)

(enter 0 if from surface)

CASING RECORD

casing types insert appropriate code below ST CO STEEL CONCRETE PL OT PLASTIC OTHER

MAIN CASING TYPE Nominal diameter top (main) casing (nearest inch) Total depth of main casing (nearest foot)

SH 6 42

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

Empty grid for other casing

SCREEN RECORD

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

DEPTH (nearest ft.)

Grid for screen depth: 11 180

- 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.

DRILLERS IDENT. NO. 24

DRILLERS SIGNATURE Joseph H. Mayne

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

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

GRAVEL PACK 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.) W Q 74-75-76

TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3

PUMPING TEST

HOURS PUMPED (nearest hour) 3

PUMPING RATE (gal. per min. to nearest gal.) 15

METHOD USED TO MEASURE PUMPING RATE Bucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING 31

WHEN PUMPING 48

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)

LAND SURFACE (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)

See attached well location

2/13/97 WPI ok to cover well line
needs 2 piece watertight cap
KM

HOWARD COUNTY HEALTH DEPARTMENT
Bureau of Environmental Health
3525-H Ellicott Mills Drive
Ellicott City, MD 21043
461-9933

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation
Replacement _____

Receipt # _____
Date 1-27-97

Name of Installer George Baker

Telephone 788-3080

License Number 2214

Certified Well Pump Installer _____ Well Driller _____ Registered Plumber

Name of Property Owner Sel Frider Bldg

Telephone _____

Subdivision River Downs Lot # 9

Well Tag # HD-94-0022

Site Address 947 High Stepper Trail

Pump

- 1. Type
 - a. Deep well jet _____
 - b. Shallow well jet _____
 - c. Submersible

Motor

- 1. Horsepower 1/2
- 2. RPM _____
- 3. Voltage _____
 - a. 110 _____
 - b. 220

Pitless Adapter

- 1. Make _____
- 2. Model # _____
- 3. Depth _____

2. Make _____

3. Model # _____

4. Capacity _____ 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 _____

Tank

- 1. Capacity _____
- 2. Pressure relief valve? _____

Piping

- 1. Type _____
- 2. Size _____
- 3. NSF and/or BOCA Code approved _____
- 4. Depth of supply line _____

Well data

- 1. Depth 180 ft.
- 2. Yield 15 GPM
- 3. Static water level 31 ft.
- 4. Will water supply be disinfected by installer? yes

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).

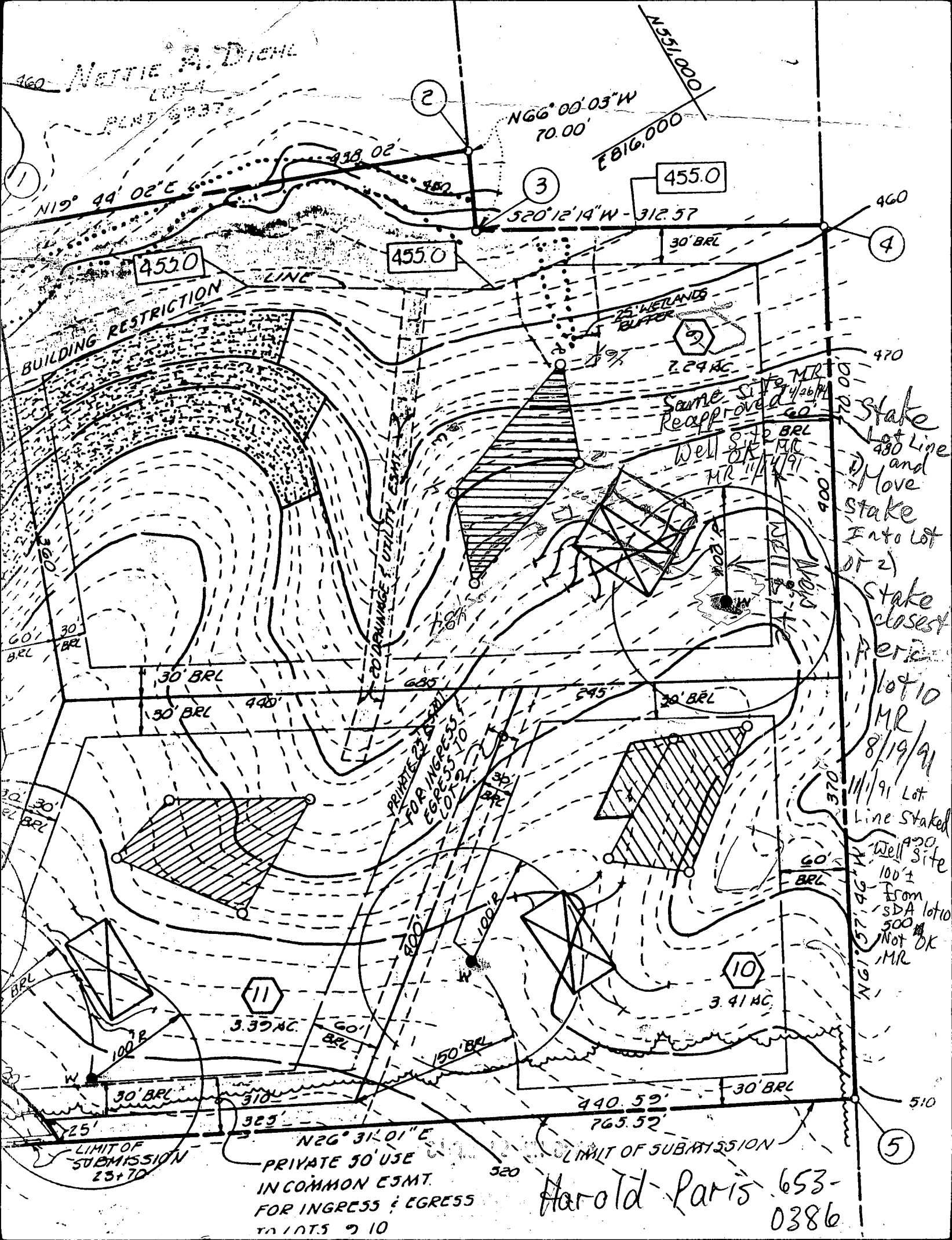
All information given above is true to the best of my knowledge.

Signature of Applicant: George Baker

Date: 1-27-97

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

Nettie A. Diehl
460
PLOT 2337



BUILDING RESTRICTION LINE

25' WETLANDS BUFFER

ED DRAINAGE & UTILITY ESMT.

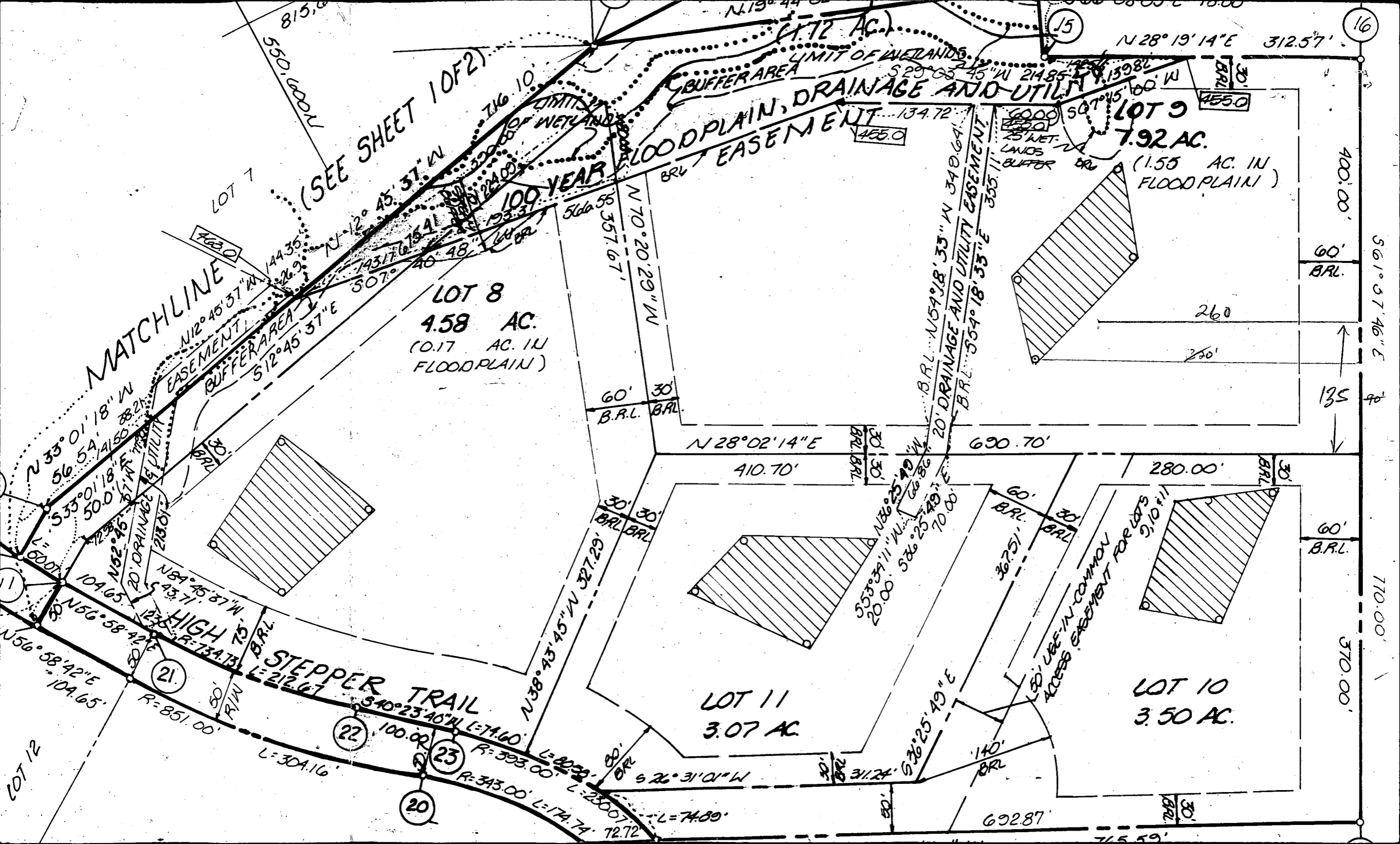
PRIVATE 22' BURL FOR INGRESS & EGRESS TO LOTS 9 & 10

PRIVATE 50' USE IN COMMON ESMT. FOR INGRESS & EGRESS TO LOTS 9 & 10

Same Site Reapproved Well Site MR 11/4/91

State Lot Line and Move Stake Into Lot or 2) Stake closest Period lot 10 MR 8/19/91
11/19/91 Lot Line Staked Well Site 100' ± From SDA lot 10 500' Not OK MR

Harold Paris 653-0386



(SEE SHEET 1 OF 2)

MATCHLINE

LOT 8
4.58 AC.
(0.17 AC. IN FLOODPLAIN)

LOT 9
7.92 AC.
(1.55 AC. IN FLOODPLAIN)

LOT 10
3.50 AC.

LOT 11
3.07 AC.

LOT 7

LOT 12

21

22

23

20

15

16

21

L=304.16

L=174.60

R=393.00

L=80.33

L=230.07

L=74.89

N 33° 01' 18" W
56.54
533° 01' 18" W
50.00
N 52° 45' 37" E
104.65
N 56° 58' 42" E
104.65
R=851.00

N 84° 45' 37" W
543.71
R=734.13
L=212.67

N 38° 43' 45" W
327.29

N 40° 23' 40" W
100.00

N 10° 10' 01" W
311.24

S 26° 31' 01" W
311.24

S 26° 25' 19" E
140.00

N 36° 25' 19" W
20.00

N 36° 25' 19" W
20.00

N 59° 18' 33" W
340.64

S 54° 18' 33" E
355.11

N 28° 02' 14" E
620.70

N 28° 19' 14" E
312.57

N 19° 44' 00" E
139.82

N 12° 45' 37" W
144.35

N 12° 45' 37" W
144.35

N 12° 45' 37" W
144.35

N 12° 45' 37" W
144.35

815.00

530.00

716.10

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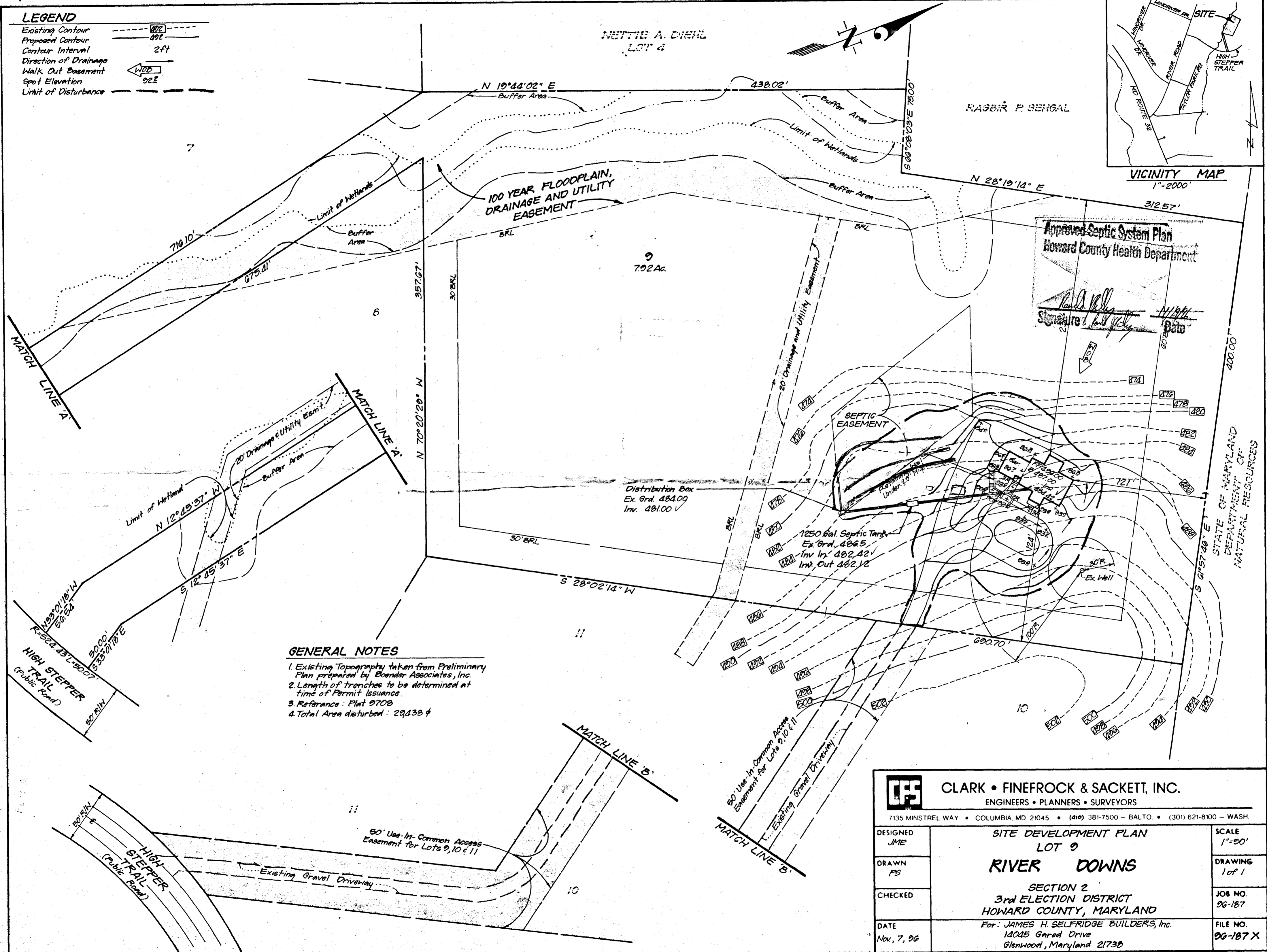
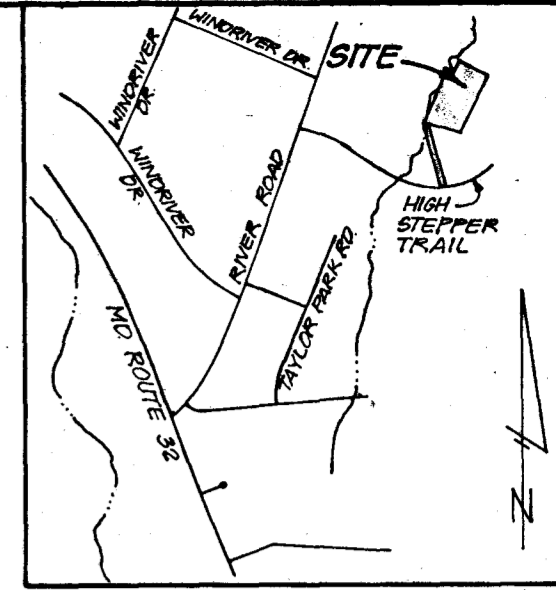
213.01

LEGEND

- Existing Contour 0.2'
- Proposed Contour 2ft
- Contour Interval 2ft
- Direction of Drainage
- Walk Out Easement
- Spot Elevation 0.2'
- Limit of Disturbance

NETTIE A. DIEHL
LOT 4

RAGBI P. SENGAL



Approved Septic System Plan
Howard County Health Department

Handwritten Signature
Signature: *Handwritten Name*

Handwritten Date
Date: *Handwritten Date*

GENERAL NOTES

1. Existing Topography taken from Preliminary Plan prepared by Boender Associates, Inc.
2. Length of trenches to be determined at time of Permit Issuance.
3. Reference: Plat 9708
4. Total Area disturbed: 23,438 sq ft

CLARK • FINEFROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS 7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 381-7500 - BALTO. • (301) 621-8100 - WASH.		
DESIGNED JME	SITE DEVELOPMENT PLAN LOT 9 RIVER DOWNS SECTION 2 3rd ELECTION DISTRICT HOWARD COUNTY, MARYLAND For: JAMES H. SELFRIDGE BUILDERS, Inc. 14045 Gared Drive Glenwood, Maryland 21738	SCALE 1"=50' DRAWING 1 of 1 JOB NO. 96-187 FILE NO. 96-187 X
DRAWN PS		
CHECKED		
DATE Nov, 7, 96		

STATE OF MARYLAND
DEPARTMENT OF
NATURAL RESOURCES