

12/18/91 1pm

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

461-9933

INDEXED

03-311465

47679
P

A 36238

DISTRICT 3rd

DATE 12/12/91

DATE SYSTEM APPROVED 12-18-91

INSPECTOR R. B. H. [Signature]

Fogle's Septic Service, Inc. IS PERMITTED TO INSTALL ☒ ALTER ☐

ADDRESS 558 Obrecht Road, Mt. Airy, Maryland 21771 PHONE 795-5670

SUBDIVISION Diehl Property LOT 3 ROAD 825 River Road

PROPERTY OWNER Stephen & Carol Buonanna

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 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 - Place the distribution box 60 feet from the back lot line and 130 feet from the right (South side of the lot) as seen when facing the lot from River Road. Run the trenches along contours in both directions.

NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 7 NOV 91 [Signature]

PLANS APPROVED BY Raymond Hodges Revised DATE 11/06/91

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

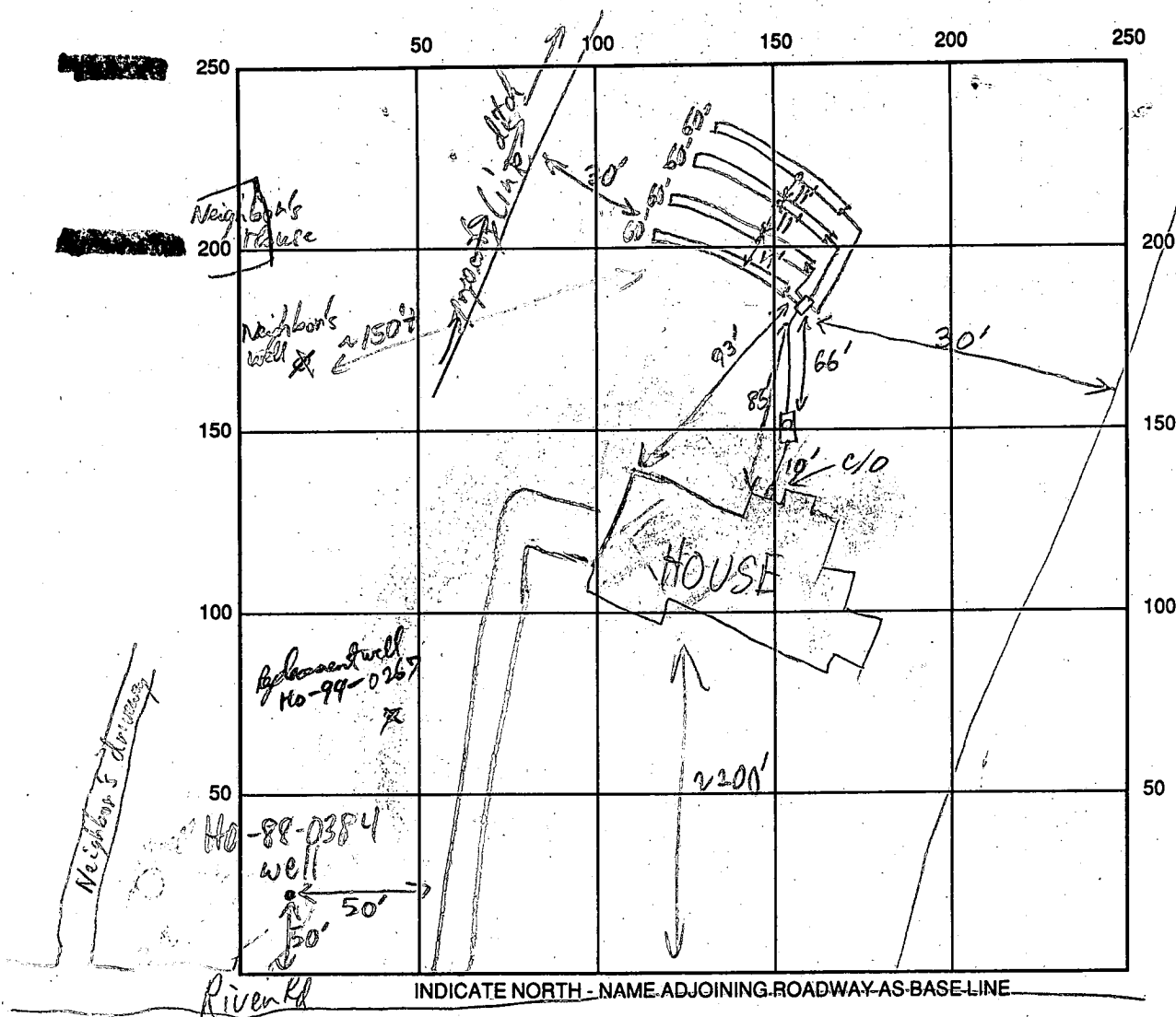
NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS

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**



SEPTIC TANK LEVEL 1250 gal 2 1/2 ft risen CLEANOUTS at house

DISTRIBUTION BOX LEVEL 6 holes at center manhole

DRAIN FIELD/TITLE DEPTH 5' FT. TRENCH WIDTH 3' FT. INLET DEPTH 3 1/2' FT.

EFFECTIVE GRAVEL DEPTH 1 1/2' FT. TOTAL LENGTH 240' FT.

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

DRYWALL INSIDE DIAMETER FT. EFFECTIVE DEPTH BELOW INLET FT.

ABSORBENT AREA 720 SQ. FT.

REMARKS: House was relocated close to S.O.S. than original, but db is located
as specified - OK to cover R/P 12-18-91

DATE SYSTEM APPROVED 12-18-91 INSPECTOR [Signature]

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 36238
P _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

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

DISTRICT _____

DATE 11/26/85

*This is not the
DIEHL PROPERTY*

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 *Elaine Hittard Stephen & Carol BUONANNA*
ADDRESS P.O. Box 5780 Pikesville, Maryland 21208 PHONE (301) 484-3100 *465-7435*
PROPERTY LOCATION: LOT #3 Prelimin. 11/86
SUBDIVISION River Downs *DIEHL Property* LOT NO. 825 *ON FINAL 7/11/86*
ROAD AND DESCRIPTION River Road - 2800' Northeastly From Route 32
SIZE OF LOT 3 Ac. TYPE BLDG. Not Known *4 Bedrooms*
(NUMBER OF BEDROOMS)

BLDG. PERMIT SIGNED
AND RETURNED 11/6/91
Serial # 40233 - SFD

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 Rasch *Burden & Sechke*
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____
REJECTED BY _____ FOR _____ DATE _____
HOLD PENDING FURTHER TESTS _____ DATE _____

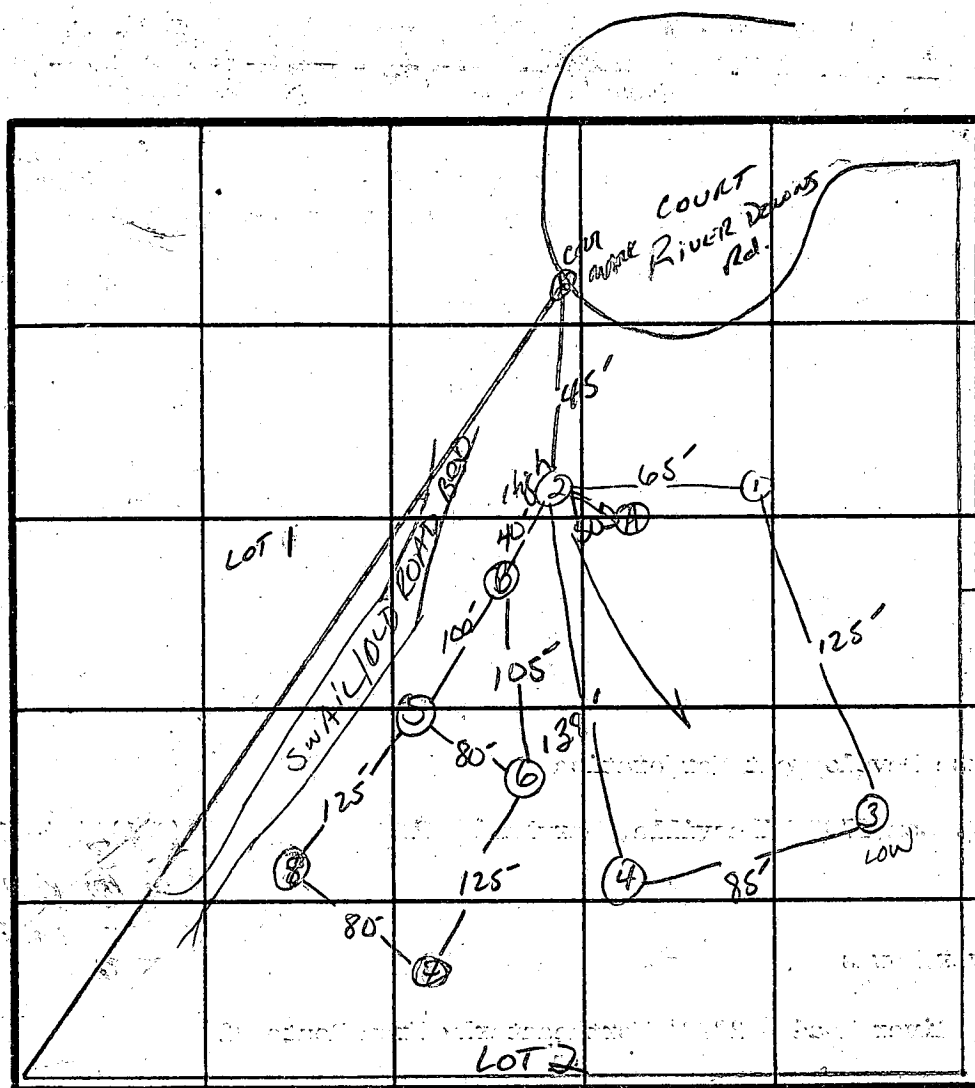
REASONS FOR REJECTION OR HOLDING 12-5-85 Perc in DRAINAGE BASIN - Requires Redesigning. S. Auel
7-11-86 Perc Satisfactory For shallow system only, Holes located DIFF. DRAW PLAT, used For
Certified subdivision PLAT. S. Auel

BLDG. PERMIT SIGNED
AND RETURNED 3/1/91
BP 33124-95D *4 Bedrooms*

THIS IS NOT A PERMIT

4' 0' AP-3
Yellow BR
CLAY LOAM
L100%
SAPROLITE
4' Yellow BR
SAND LOAM
L100%
SAPROLITE

	(6)	(7)
4"	A1-3	
4"	RED, yellow silty clay loam c10% fragments	
9"	yellow Br micaceous sand loam c10% fragments	
11"	FRAGMENT 1 to 30% HARD BOTTOM	



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE
River Rd.

X PERC
7 min
INLET
3.5
BOTTOM
5

160 #/BR

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
12/2/85	1 S V	5' 12'	2:30	2:31	2:31	2:32	1 min
	2 S V	4.5' 12'	2:40	2:43	2:43	2:47	4 min
	3 S V	4' 12'	2:49	2:53	2:53	3:01	8 min
	4 S V	5' 12.5'	3:08	3:09	3:09	3:11	2 min
4/1/86	OK 5 S V	4.5' 13'	11:14	11:15:30	11:15:30	11:17	1.5 min
	OK 6 S V	4' 11'	11:18	11:19	11:19	11:21	2 min
	OK 7 S V	4' 11'	11:26	11:44	11:44	12:08	24 min
	OK 8 S M	4.5' 9'	11:40	11:42	11:42	11:47	5 min
	A B	ROCK AT 4' ROCK AT 2'	4'			11:40	2 min
	OK 8 V	13	UNIFORM SOIL STRUCTURE Below 4'				

REMARKS: Recommend Rejection of Peac field AS LOCATED - LOCATED IN LOW AREA
Peac AREA IN DRAINAGE BASIN FOR LOTS 2+3+1; WET SEASON LOT AND INSPECTION

TYPE OF SOIL Glenelg SAND LOAM SHALLOW SYSTEM ONLY

TESTED BY S. Abel

ALSO PRESENT

C1 5970

SEQUENCE NO.
(DENV USE ONLY)STATE OF MARYLAND
WELL COMPLETION REPORT
FILL IN THIS FORM COMPLETELY
PLEASE PRINT OR TYPETHIS REPORT MUST BE SUBMITTED WITHIN
45 DAYS AFTER WELL IS COMPLETED.COUNTY
NUMBER

W 50455

ST/CO USE ONLY
DATE Received

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
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

DATE WELL COMPLETED

122294

Depth of Well

22 265 26
(TO NEAREST FOOT)PERMIT NO.
FROM "PERMIT TO DRILL WELL"

H0-94-0267

OWNER Carroll Buonanno

STREET OR RFD

last name

825 River Road

first name

TOWN Sykesville

SUBDIVISION

Dehl Property

SECTION

LOT 3

WELL LOG

Not required for driven wells

STATE THE KIND OF FORMATIONS
PENETRATED, THEIR COLOR, DEPTH,
THICKNESS AND IF WATER BEARINGDESCRIPTION (Use
additional sheets if needed)

FEET

FROM

TO

Check
if water
bearingClay - Yellow
GRAY GRANITE

0

15

15

265

GROUTING RECORD

WELL HAS BEEN GROUTED
(Circle Appropriate Box)yes ☒ Y no ☐ N

TYPE OF GROUTING MATERIAL

CEMENT ☒ CMBENTONITE CLAY ☒ BCNO. OF BAGS 6NO. OF POUNDS 364GALLONS OF WATER 36

DEPTH OF GROUT SEAL (to nearest foot)

from 0 ft. to 19 ft.
(enter 0 if from surface)casing
types
insert
appropriate
code
below

CASING RECORD

ST CO
STEEL CONCRETE
PL OT
PLASTIC OTHERMAIN
CASING
TYPENominal diameter
top (main) casing
(nearest inch)Total depth
of main casing
(nearest foot)ST622EACH
CASING

OTHER CASING (if used)

diameter
inchdepth (feet)
from to

screen type
or open hole
insert
appropriate
code
below

SCREEN RECORD

ST BR HO
STEEL BRASS OPEN
BRONZE HOLE
PL OT
PLASTIC OTHERIN HARD ROCK AREAS, IDENTIFY SPECIFICALLY
WHERE SATURATED FRACTURES WERE OBSERVED:

WELL HYDROFRACTURED

yes ☒ Yno ☐ 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 PRE-
SENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF
MY KNOWLEDGE.DRILLERS IDENT-NO. 24

DRILLERS SIGNATURE

(MUST MATCH SIGNATURE ON APPLICATION)

SITE SUPERVISOR (sign. of driller or journeyman
responsible for sitework if different from permittee)C2
EACH
SCREEN

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
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

SLOT SIZE 1 2 3

DIAMETER
OF SCREEN (NEAREST
INCH)

from to

GRAVEL PACK

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

70

72

74 75 76

TELESCOPE
CASINGLOG
INDICATOR

OTHER DATA

C3

PUMPING TEST

HOURS PUMPED (nearest hour) 3PUMPING RATE (gal. per min. 6
to nearest gal.)METHOD USED TO
MEASURE PUMPING RATE AIR

WATER LEVEL (distance from land surface)

BEFORE PUMPING 35WHEN PUMPING 220

TYPE OF PUMP USED (for test)

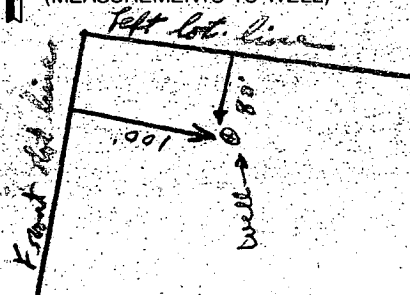
☒ A air ☐ P piston ☐ T turbine
☐ C centrifugal ☐ R rotary ☐ O other (describe below)
☐ J jet ☐ S submersible

PUMP INSTALLED

DRILLER WILL INSTALL PUMP YES ☒ NOIF 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: ☐ 29CAPACITY:
GALLONS PER MINUTE (to nearest gallon) ☐ 31 ☐ 35PUMP HORSE POWER ☐ 37 ☐ 41PUMP COLUMN LENGTH
(nearest ft.) ☐ 43 ☐ 47CASING HEIGHT (circle appropriate box
and enter casing height)

☒ + above } LAND SURFACE ☐ 2 (nearest foot)
☐ - below }

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

B 1 5331	SEQUENCE NO (DP USE ONLY)	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please print or type	STATE PERMIT NUMBER 40-94-0267
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)		fill in this form completely	
OWNER INFORMATION Date Received (APA) 122094 BUONANNO STEPHEN 825 RIVER ROAD SYKESVILLE MD 21284 		LOCATION OF WELL HOWARD COUNTY RIVER DOWNS SUBDIVISION 3 LOT 3 SYKESVILLE MILES FROM TOWN (enter 0 if in town) 3 MI	
DRILLER INFORMATION Driller's Name Joseph L. Mayne Firm Name Joseph L. Mayne Well Drilling Address 5512 Ridge Rd. Mt. Airy, Md. 21771 Signature Joseph L. Mayne Date 12/20/94		WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) 5 00 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500 00 	
USE FOR WATER (CIRCLE APPROPRIATE BOX) ☒ HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) ☐ FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) ☐ INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT) ☐ PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL) ☐ TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)		DIRECTION OF WELL FROM TOWN (CIRCLE BOX) 	
APPROXIMATE DEPTH OF WELL 365 FEET APPROXIMATE DIAMETER OF WELL 6 INCH		NEAR WHAT ROAD 825 River Road ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) 100 DISTANCE FROM ROAD ENTER FT OR MI FT	
METHOD OF DRILLING (circle one) BORED (or Augered) ☒ JETTED ☐ Jetted & DRIVEN ☐ AIR-ROTARY ☐ AIR-PERCussion ☐ ROTARY (Hydraulic Rotary) ☐ CABLE ☐ REVERSE-ROTARY ☐ Drive-POINT ☐ other _____		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL Howard COUNTY NAME STATE SIGNATURE [Signature] INSERT S 41 DATE ISSUED 122094 CO SIGNATURE [Signature] EXP. DATE 12/20/95 NORTH GRID 551000 EAST GRID 0814000	
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) ☐ THIS WELL WILL NOT REPLACE AN EXISTING WELL ☐ THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED ☒ THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS ☐ THIS WELL WILL DEEPEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 40-88-0384		SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. WELL 2. 3. WRITE THE BOX NUMBER FROM THE MAP HERE E 8184 N 5581	
Not to be filled in by driller (OEP USE ONLY) APPROX. PERMIT NUMBER GAP FORCE [Signature] WRITE INITIALS IN BOX PERMIT No. 40-94-0267		DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION 	
SPECIAL CONDITIONS NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED -			



KAPPE ASSOCIATES, INC.
SCIENTIFIC RESEARCH DIVISION

100 WORMANS MILL COURT • FREDERICK, MD 21701 • (301) 846-0210 • FAX 301-846-0808

January 10, 1995

Mr. Stephen Buonanno
825 River Road
Sykesville, Maryland 21784

Subject: Report of Analysis

Dear Mr. Buonanno:

The result of analyses performed on the sample (Sample I.D. #501-4631, 825 River Road, Sykesville, Maryland) collected on January 5, 1995 are given below.

<u>Parameter</u>	<u>Result</u>
Turbidity (NTU's)	0.15
Solids, Suspended, Total (mg/L)	<1

Thank you for this opportunity to serve you. Should you have any questions concerning this report, please do not hesitate to give us a call.

Very truly yours,

KAPPE ASSOCIATES, INC.
Scientific Research Division

Julia M. Patel
Laboratory Administrator

JMP/maa

C16781SEQUENCE 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
NUMBERA-36238

DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO.
FROM "PERMIT TO DRILL WELL"

OWNER
STREET OR RFD
SUBDIVISION
SECTION
LOT

MILLARD
last name
CLAIKE
first name
TOWN
SYLVERVILLE
DECHL PROPERTY
S

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
Shale	2	10
Mika	10	50
Sandstone	50	55
Mika	55	170
Sandstone	170	175
Mika	175	265

GROUTING RECORD

WELL HAS BEEN GROUTED

TYPE OF GROUTING MATERIAL

CEMENT
BENTONITE CLAY

NO. OF BAGS
NO. OF POUNDS

GALLONS OF WATER

DEPTH OF GROUT SEAL (to nearest foot)

CASING RECORD

casing types insert appropriate code below

STEEL
CONCRETE
PLASTIC
OTHER

MAIN CASING TYPE

Nominal diameter top (main) casing (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

STEEL
BRASS
BRONZE
PLASTIC
OTHER

DEPTH (nearest ft.)

EACH SCREEN

SLOT SIZE

DIAMETER OF SCREEN

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.

DRILLERS SIGNATURE

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.)

WQ

C3

PUMPING TEST

HOURS PUMPED (nearest hour)

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

METHOD USED TO MEASURE PUMPING RATE

WATER LEVEL (distance from land surface)

BEFORE PUMPING

WHEN PUMPING

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)

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

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)

Page 1 of 1
Date 1.21.89

Review OK 4/11/89 CW

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 88-0384
Location of property (road) River Rd.
Subdivision DEER PROP. Lot 3 Block Plat Sec.
Well Driller FRANK DELPH Owner HILLARD, C.

Depth of well 265
Distance of measuring point (M.P.) above ground 1 ft
Static water level (S.W.L.) below M.P. 42 ft

I. High rate pumping -- reservoir drawdown

Time pump started 8:30 Pumping rate 10 G.P.M.
Total time 45 min to reach pumping water level 205 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 1 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
9:15	205 ft	20 sec	N/A	36 G.P.M.
9:30	205 ft	20		3
9:45	205 ft	20		3
10:00	205 ft	20 sec		36 G.P.M.
10:15	205 ft	20		3
10:30	205 ft	20		3
10:45	205 ft	20 sec		36 G.P.M.
11:00	205 ft	20 sec		3
11:15	205 ft	20		3
11:30	205 ft	20		36 G.P.M.
11:45	205 ft	20 sec		3
12:00	205 ft	20		3
12:15	205 ft	20		3
12:30	205 ft	20 sec		36 G.P.M.
12:45	205 ft	20		3
1:00	205 ft	20		3
1:15	205 ft	20 sec		36 G.P.M.
1:30	205 ft	20		3
1:45	205 ft	20		3
2:00	205 ft	20 sec		36 G.P.M.
2:15	205 ft	20		3
2:30	205 ft	20		3
2:45	205 ft	20		3
3:00	205 ft	20		3

HD 2:45 205 ft 20 sec 36 G.P.M.
20 PL 180 min 5 Bags

1

2

3

4

5

6

7

8

9

0

1

2

3

4

5

6

7

8

9

0

6820

SEQUENCE NO.
(DP USE ONLY)

1

2

3

4

5

6

7

8

9

0

1

2

3

4

5

6

7

8

9

0

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

1

2

3

4

5

6

7

8

9

0

1

2

3

4

5

6

7

8

9

0

STATE OF MARYLAND
PERMIT TO DRILL WELL

please print or type

1

2

3

4

5

6

7

8

9

0

1

2

3

4

5

6

7

8

9

0

STATE PERMIT NUMBER

40-88-0384

fill in this form completely

1

2

3

4

5

6

7

8

9

0

1

2

3

4

5

6

7

8

9

0

Date Received (APA)

010589

OWNER INFORMATION

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

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

00

01

02

03

04

05

06

07

08

09

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

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

00

01

02

03

04

05

06

07

08

09

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

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

00

01

02

03

04

05

06

07

08

09

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

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

00

01

02

03

04

05

06

07

08

09

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

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

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 # 47780
Date 1/30/92

Name of Installer Klipp & Sons, Inc.

Telephone 1042-1914

License Number _____

Certified Well Pump Installer _____ Well Driller _____ Registered Plumber X

Name of Property Owner H. R. Jenkins STEPHEN BUONANNA - OWNER Telephone _____

Subdivision _____ Lot # 3 Well Tag # HO - 88 - 0384

Site Address 825 River Road

Pump

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

2. Make Goulds

3. Model # 787022

4. Capacity 7 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. Voltage 230
 - a. 110 _____
 - b. 220 _____

Pitless Adapter

1. Make Markson
2. Model # S-50
3. Depth 205'

Tank

1. Capacity 10 Gal Draw Down
2. Pressure relief valve? ☒

Piping

1. Type 1/2" B.B.
2. Size 1"
3. NSF and/or BOCA Code approved ☒
4. Depth of supply line 250'

Well data

1. Depth 205 ft.
2. Yield 3 GPM
3. Static water level 30 ft.
4. Will water supply be disinfected by installer? Disinfect

1/29/92 OK PITLESS 2 1/2 - 3' B.G.
M. RIEKIN CW.

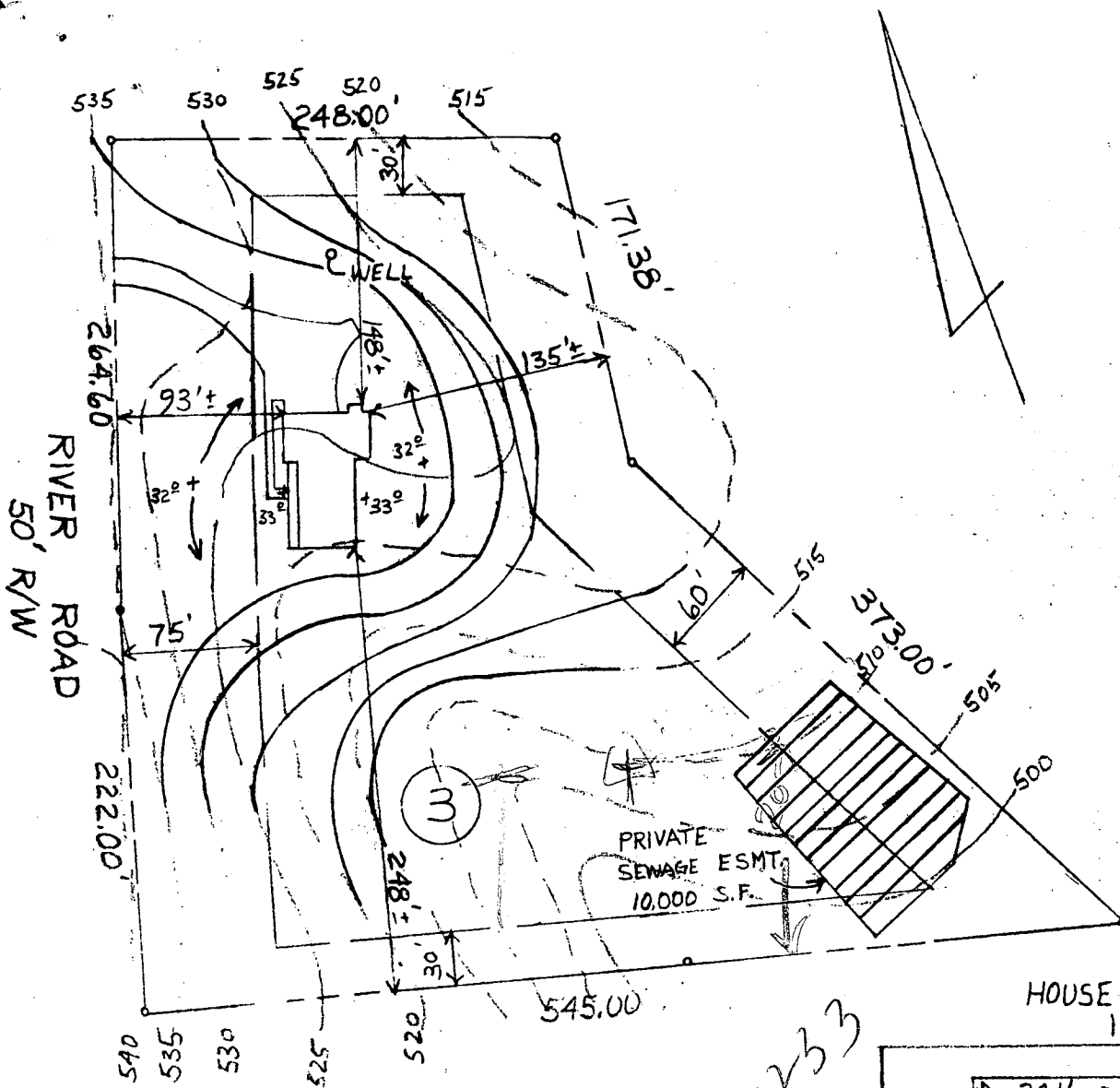
I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

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

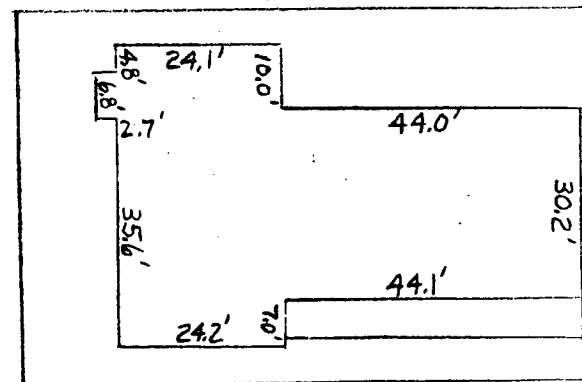
Signature of Applicant: Kenneth A. Klipp

Date: 1/21/92

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



HOUSE DIMENSIONS
1"=30'



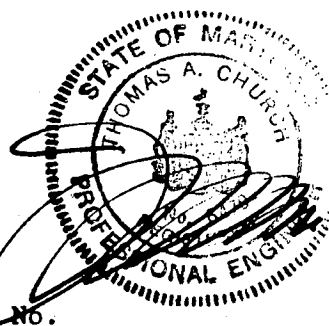
NOTES:

- 1) TAX MAP: 9, PARCEL: 66
- 2) PLAT REFERENCE: 6937
- 3) TOPOGRAPHY SHOWN HEREON IS BASED ON AERIAL TOPOGRAPHY.

SETBACKS:

Front from P.L. - 93'±
Right Side - 248'±
Left Side - 148'±
Rear - 135'±

HOUSE No.



ALSO CALLED PLAT SHOWING GRADING
DIEHL PROPERTY LOT #3 - RIVER DOWNS
LOT 3 3rd ELECTION DISTRICT
ON FINAL PLAT 7 OF OCT 86
ELAINE HILLARD

DEVELOPMENT ENGINEERING CONSULTANTS, INC.
6603 York Road
Baltimore, Maryland 21212
(301) 377-2600

Scale: 1"=100'

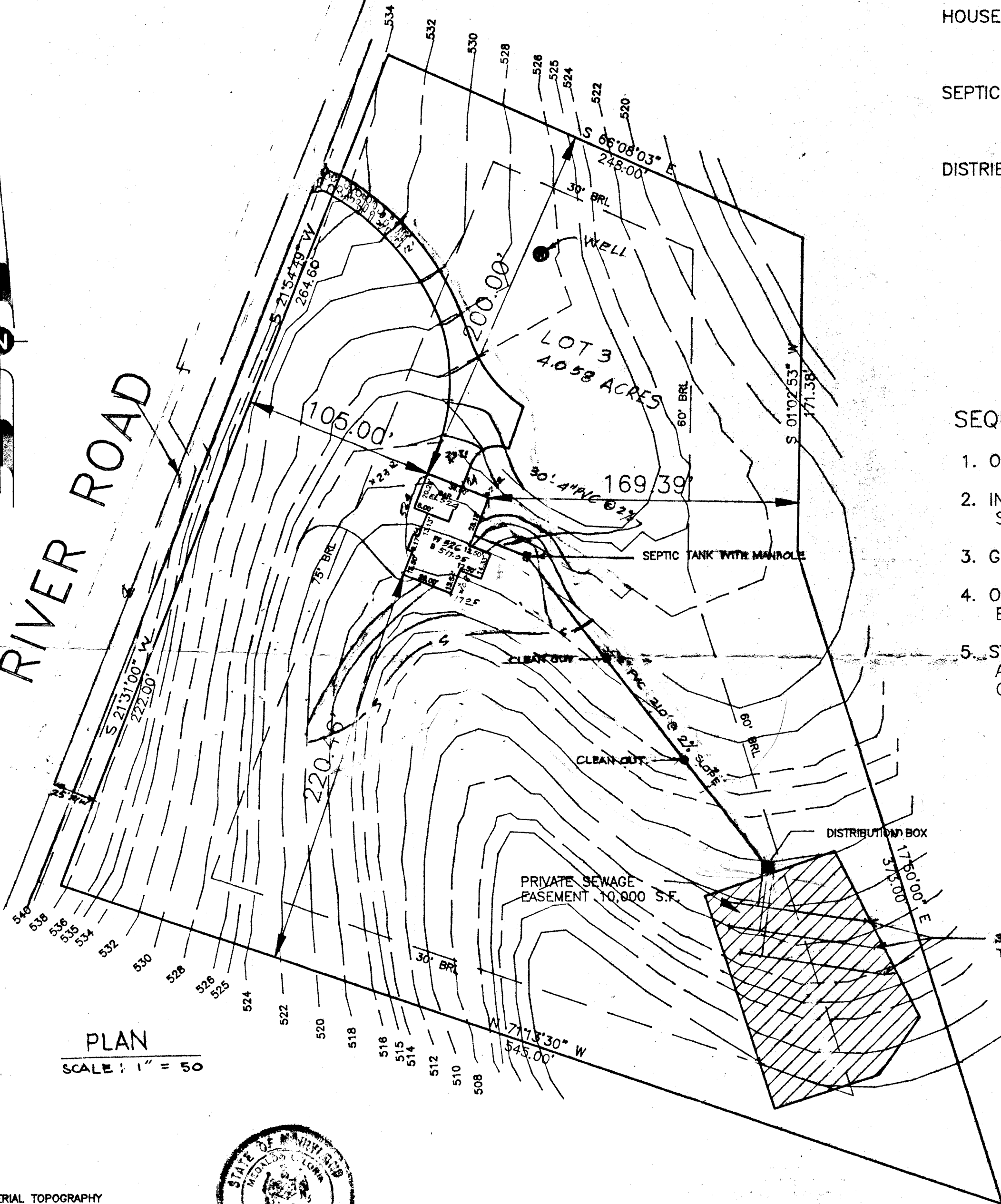
Issued: 5-3-90

LOT No.	HOUSE TYPE	STD REV	WALKOUT AREAWAY	HUNG SEWER Yes or No
3				

Diehl Property Lot-3



RIVER ROAD

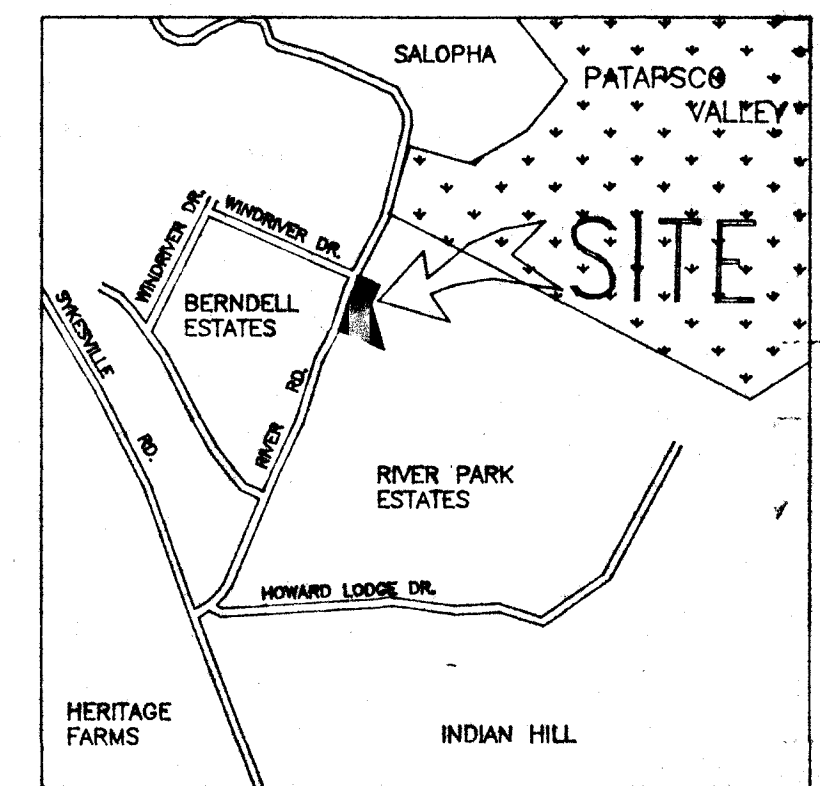


PLAN
SCALE: 1" = 50'



NOTE :
TOPOGRAPHY SHOWN HEREON IS BASED ON AERIAL TOPOGRAPHY

HOUSE	
FF	526'
BASEMENT ELEV.	517.05
INV. OUT	514.55
SEPTIC	
INV. IN	513.95
INV. OUT	513.70
FIN. GRADE	517.20
DISTRIBUTION BOX	
INV. IN	509.50
INV. OUT	509.40
WELL ELEV.	527.0



VICINITY MAP
SCALE: 1" = 2000'

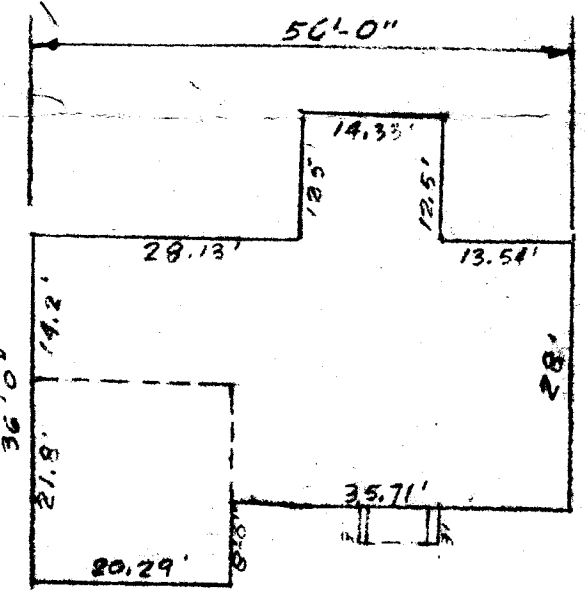
SEQUENCE OF CONSTRUCTION

1. OBTAIN GRADING PERMIT.
2. INSTALL ALL SEDIMENT CONTROL MEASURES SHOWN ON THIS PLAN.
3. GRADE THE SITE.
4. OBTAIN BUILDING PERMIT AND CONSTRUCTION BUILDING.
5. STABILIZE ALL DISTURBED AREAS IN ACCORDANCE WITH HOWARD COUNTY SOIL CONSERVATION DISTRICT REQUIREMENT.

11/6/91
REVISED PLANS O.K.

R. Hodge

LEGEND: BP 40233



HOUSE PLAN
4 BEDROOMS

- EXISTING CONTOUR
- PROPOSED CONTOUR
- SPOT ELEVATION (PROP) + 538.00
- SILT FENCE
- DIRECTION OF DRAINAGE
- LIMIT OF DISTURBANCE
- STABILIZED CONSTRUCTION ENTRANCE

MLL	
DESIGNED BY:	DATE
AVG	
DRAWN BY:	DATE
MLL	
CHECKED BY:	DATE

oria engineering inc.
CONSULTING ENGINEERS * LAND PLANNERS * SURVEYORS
3230 Bethany Lane, Suite 4
Ellicott City, Maryland 21043
Tel. (301) 465-0400

OWNER :
STEVEN & CAROL BUONANNA
825 RIVER ROAD
SYKESVILLE, MD 21784

PLOT PLAN
DIEHL PROPERTY
TAX MAP 9 LOT 3 3rd ELECTION DISTRICT HOWARD COUNTY, MARYLAND
DATE: 11- -91
SHEET 1 of 1

COORDINATES		
NO.	NORTH	EAST
1	550502.650	818116.251
2	549632.126	817695.520
3	549097.057	819091.755
4	548261.106	818533.317
5	548730.910	817670.102
6	548562.126	817492.215
7	550145.625	814320.309
8	550274.826	814554.844
9	550526.634	814417.576
10	550623.814	814451.832
11	550600.393	814541.606
12	550720.020	814504.915
13	551109.377	814636.872
14	551466.126	814776.336
15	551760.377	814896.113
16	551273.302	815071.032
17	551549.361	81614.755
18	550502.375	816482.586
19	550393.814	816340.071
20	550186.475	81612.747
21	550019.315	81621.562
22	551304.246	81528.444
23	550691.950	81570.546
24	551077.014	81536.141
25	551432.760	815123.978
26	551604.102	81527.113
27	551750.856	814918.989
28	551704.441	814700.318
29	551456.953	814801.564

LAND DEDICATED TO HOWARD CO., MD. FOR PURPOSE OF PUBLIC ROAD

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. Redaction of a modified sewage easement shall not be necessary.

Tabulations:	
1. Total Number of Lots to be recorded	4
2. Total Area of Lots	172.128 Ac.
3. Total Area of Roadways to be recorded including widening strips	2784 Ac.
4. Total Area of Subdivision to be recorded	180.112 ac

APPROVED: For private water and private sewerage systems in conformance with the Master Plan of Water and Sewer for Howard County.
[Signature] 10-8-86
 Howard County Health Officer Date

APPROVED: Howard County Office of Planning and Zoning.
[Signature] 10-9-86
 Director Date

APPROVED: For storm drainage systems, public road, and water, Howard County Department of Public Works.
[Signature] 10-9-86
 Director Date

Coordinates		
No.	North	East
30	551252.424	814720.141
31	551101.768	814660.745
32	550951.595	814618.816
33	550836.441	814582.329
34	550745.131	814541.631
35	550613.874	814474.625
36	550521.382	814441.586
37	550268.681	814379.070
38	550124.218	814343.760
39	549965.322	816214.624
40	549920.582	816192.301

- General Notes:
- The coordinates shown hereon are based on the Maryland State Grid System. Howard County Traverse Stations: #3836002, 3836001 & 3837002
 - Property zoned R Per 8-2-85 Comprehensive Zoning Plan.
 - No existing structures on lot.
 - Subject to V.P. 87-08
 - The owner of Parcel B reserves the right to dedicate the "50' right-of-way for ingress and egress" to the County when this parcel is resubdivided as a major subdivision, River Downs S-86-21.

OWNER'S CERTIFICATE

I, Nettie A. Diehl, owners of the property shown and described hereon, hereby adopt this plan of subdivision, and in consideration of the approval of this final plat by the Office of Planning and Zoning, establish the minimum building restriction lines and grant unto Howard County, Maryland, its successors and assigns (1) the right to lay, construct and maintain sewers, drains, waterpipes and other municipal utilities and services, in and under all roads and street right of ways and the specific easement shown hereon (2) the right to require dedication for public use the beds of the streets and/or roads and floodplains and open space where applicable and for good and other valuable consideration hereby grant the right and option to Howard County to acquire the fee simple title to the beds of the streets and/or roads and floodplains, storm drainage facilities and open space where applicable; and (3) the right to require dedication of waterways and drainage easements for the specific purpose of their construction, repair and maintenance; and (4) that no building or similar structure of any kind shall be erected on or over the said easements and rights of way. Plans for public water have been approved by the Department of Health and Mental Hygiene and these facilities will be available to all lots offered for sale.

Witness my/our hands this 22 day of May.
[Signature] *[Signature]* (WITNESS)
 Date

SURVEYOR'S CERTIFICATE

I hereby certify that the final plat shown hereon is correct; that it is a subdivision of part of the lands conveyed by Doris T. Doll to Dallas C. Diehl & Nettie A. Diehl, by deed dated October 25, 1963 and recorded in Liber 411 at Folio 43, and that all monuments are in place or will be in place prior to acceptance of the streets in the subdivision by Howard County as shown in accordance with the Annotated Code of Maryland as amended.

[Signature] 7/11/86
 William D. Purdum Reg. No. 1992 Date

RECORDED AS PLAT NO. 6937
10/09/86 AMONG THE LAND RECORD
OF HOWARD COUNTY, MARYLAND

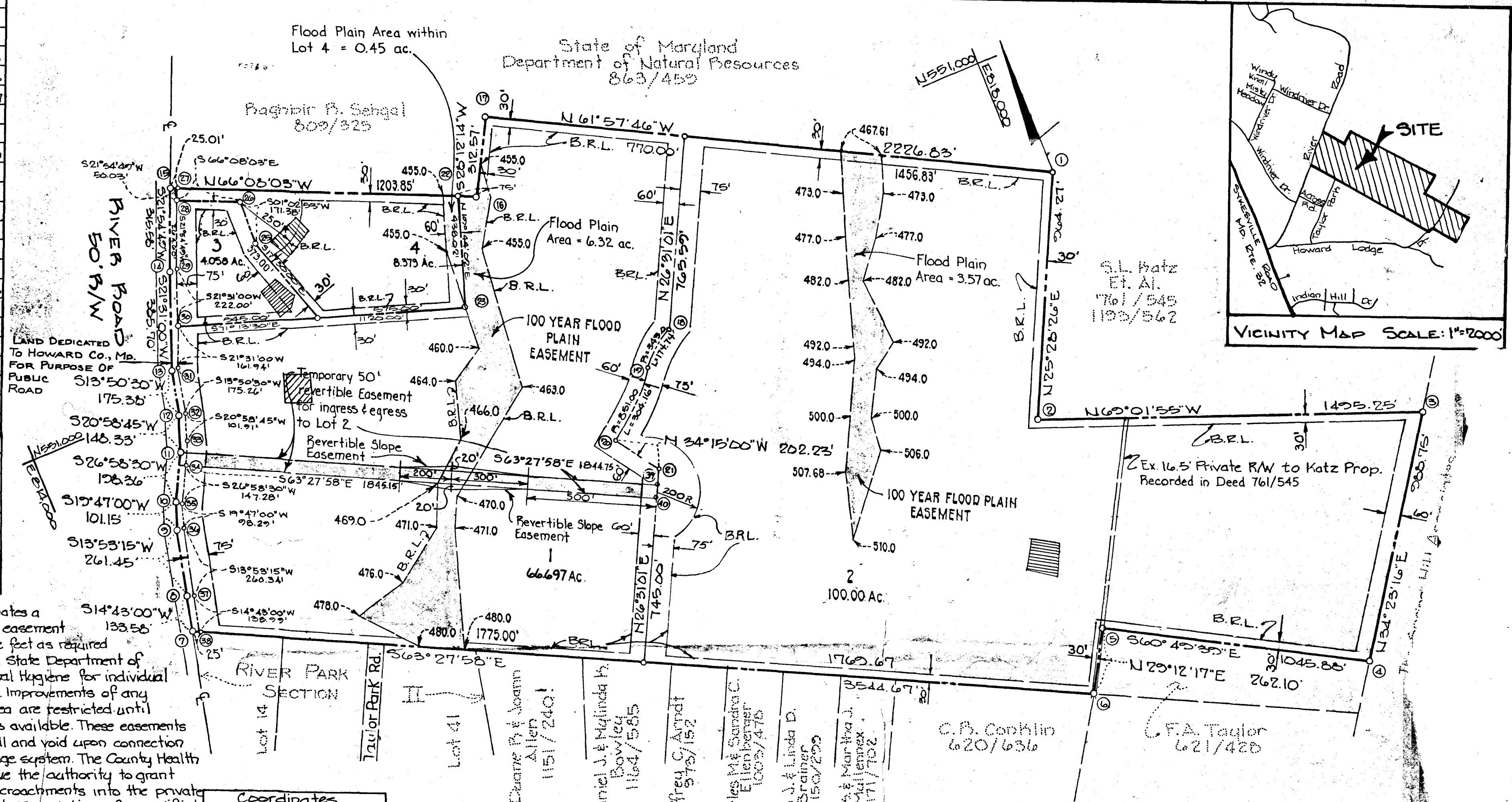
PURDUM AND JESCHKE
 CONSULTING ENGINEERS AND LAND SURV
 1029 N. CALVERT STREET
 BALTIMORE, MARYLAND 21202

DEVELOPER
 CHASE DEVELOPMENT CORP.
 P.O. BOX 5780
 212 HILTON OFFICE PLAZA
 PIKESVILLE, MD. 21208

DIEHL PROPERTY
LOTS 1 TO 4

TAX MAP NO. 9 PARCEL NO. 66

SHEET 1 OF 1 ZONED R
 3rd ELECTION DIST. HOWARD COUNTY, MD.
 SCALE: 1"=300' DATE: SEPT. 5, 1986



Lat 3
Oliver
465-7935
Review
Hillman
Print #
23/17

Received from Mr. Hillman
11:35 2/15/91
C. B. J.
for R. H.
to receive
or
Mr. C. W.