

# APPLICATION

PERCOLATION TESTING

A \_\_\_\_\_

P \_\_\_\_\_

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

DISTRICT 5

DATE 3-8-02

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 Thomas C. Curtis and Betty Jean Curtis

ADDRESS 13471 Triadelphia Mill Rd. Clarksville, MD 21029 PHONE 301-854-2141

AGENT OR PROSPECTIVE BUYER Highland Development Corporation, Richard J. Demmitt, President

ADDRESS PO Box 228, Clarksville, MD 21029 PHONE 410-531-5539  
228

PROPERTY LOCATION:

SUBDIVISION Curtis Property LOT NO. 19

ROAD AND DESCRIPTION Triadelphia Mill Road

TAX MAP 34 PARCEL # 2

SIZE OF LOT 1 Acre 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. Demmitt  
(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

COUNTY #

SOIL PROFILE

0' P-90  
Brown  
L  
w/ 0.5  
channey  
fraggs

1/2 fine brown micaceous  
ES w/ 10-15%  
weak saprolite  
+ 0.5%  
channey  
fraggs

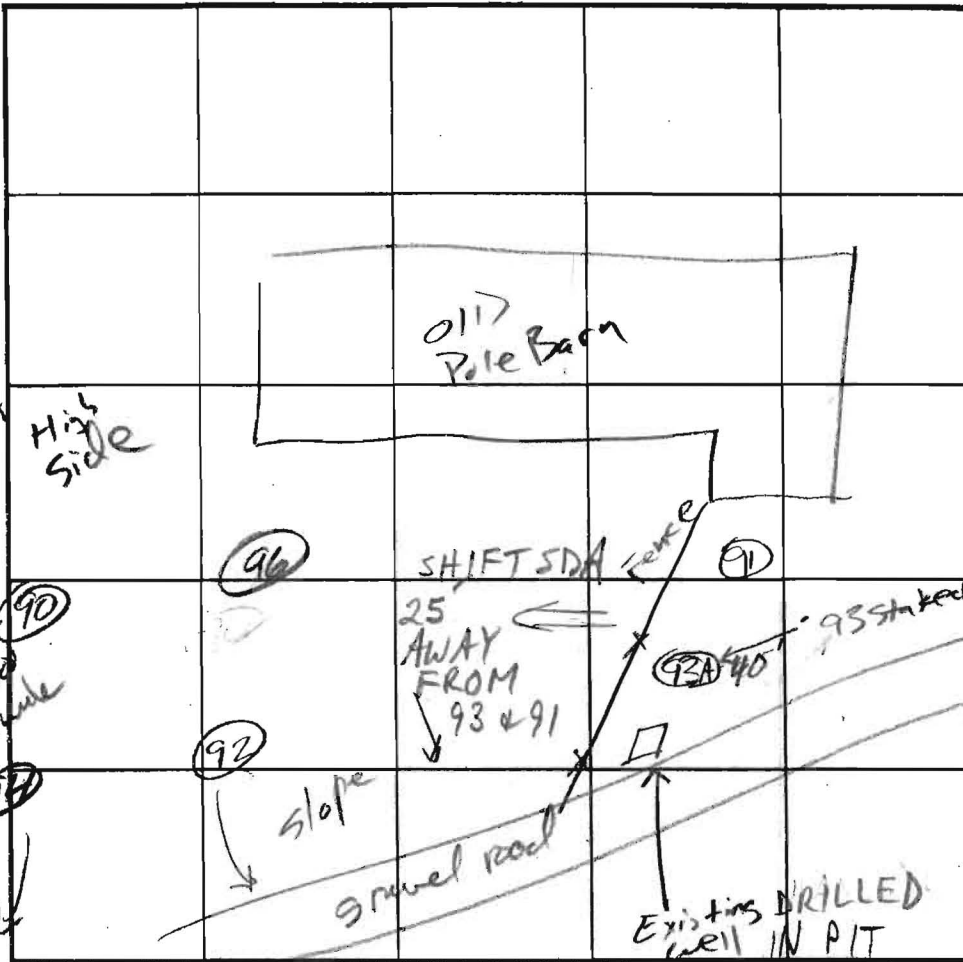
13 P-91  
Brown  
Very Channey  
(25-30%)  
SL

4 Brown tan  
SL w/  
45-50%  
Channey &  
Flasy rock  
fraggs  
Becoming  
Harder ↓

9 1/2 P-92  
Brown  
L

2 Fine Brown  
micaceous  
SL  
w/ 30-35%  
saprolite &  
10% channey  
fraggs

5 Fine Brown  
SL 0.5%  
channey fraggs



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

0' P-93A  
tan brown  
SL ~ 10%  
channey  
fraggs

2 a tan brown  
micaceous  
LS w/ 10-15%  
weak  
saprolite

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6/18/02	P-90	4 / 13	9:07:00	9:08:30	9:08:30	9:10:45	2:15
6/18/02	P-91	4 / 9 1/2	9:58:00	10:03:15	10:03:15	10:10:00	6:45
		6 / 9 1/2	9:57:45	10:01:30	10:01:30	10:08:15	7 ±
6/18/02	P-92	2 1/2 / 12 1/2	9:24:45	9:25:45	2:25:45	9:29:00	3:15
6/18/02	P-93A	3 / 11	10:02:30	10:04:00	10:04:00	10:06:45	2:45
	P-93	?	HOLE	60%	Rx per R. Demmitt and backhoe contr.		

REMARKS (P-93) test dug ~ 40' due East of stake; contractor said over 50% rock.

TYPE OF SOIL Manor & Glendy

TESTED BY J. Baris ALSO PRESENT

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME TRENCH WIDTH

INLET DEPTH MAXIMUM BOTTOM DEPTH SQ. FT/BEDROOM

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3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2640

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 \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

AGENT OR PROSPECTIVE BUYER \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION Curtis LOT NO. 19

ROAD AND DESCRIPTION \_\_\_\_\_

TAX MAP \_\_\_\_\_ PARCEL # \_\_\_\_\_

SIZE OF LOT \_\_\_\_\_ TYPE BLDG. \_\_\_\_\_  
(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 \_\_\_\_\_

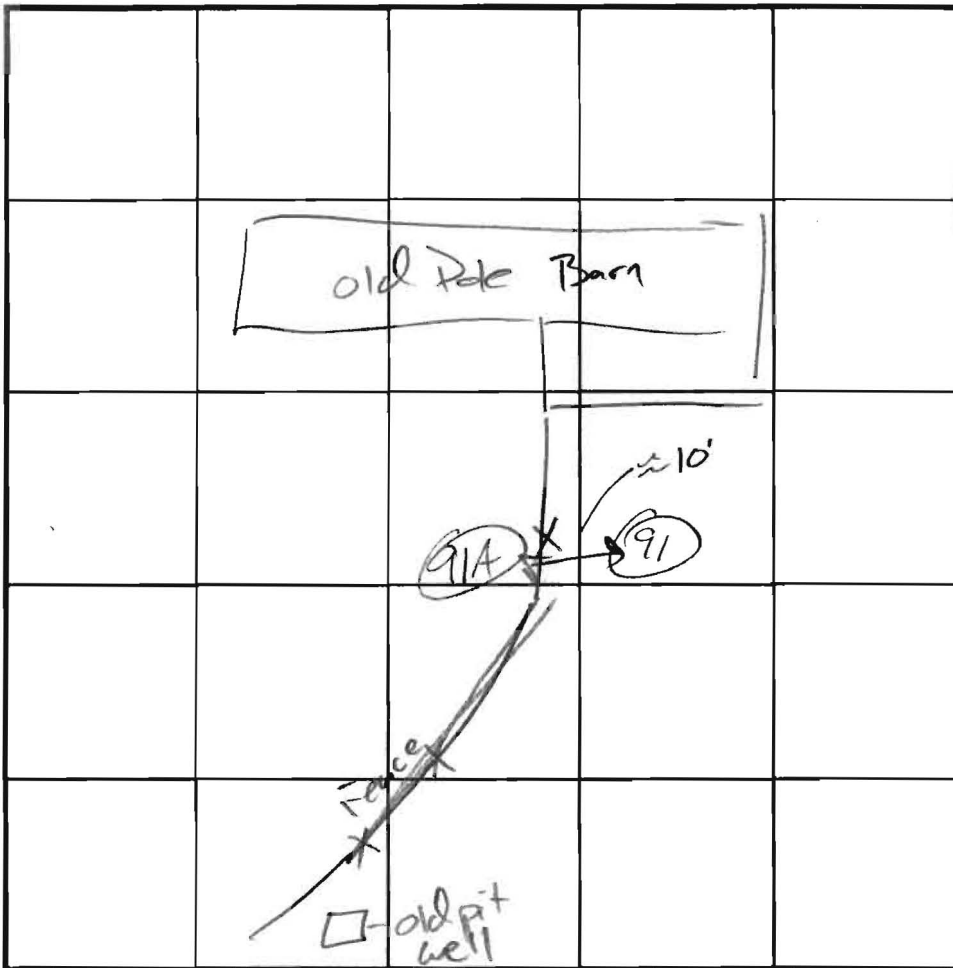
SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

# THIS IS NOT A PERMIT

COUNTY #

SOIL PROFILE

0'  
 P-94  
 Brown micaceous L  
 -4'  
 Fine micaceous red brown SL  
 w/10-15% spherulite  
 13



SOIL PROFILE

0'

P-96

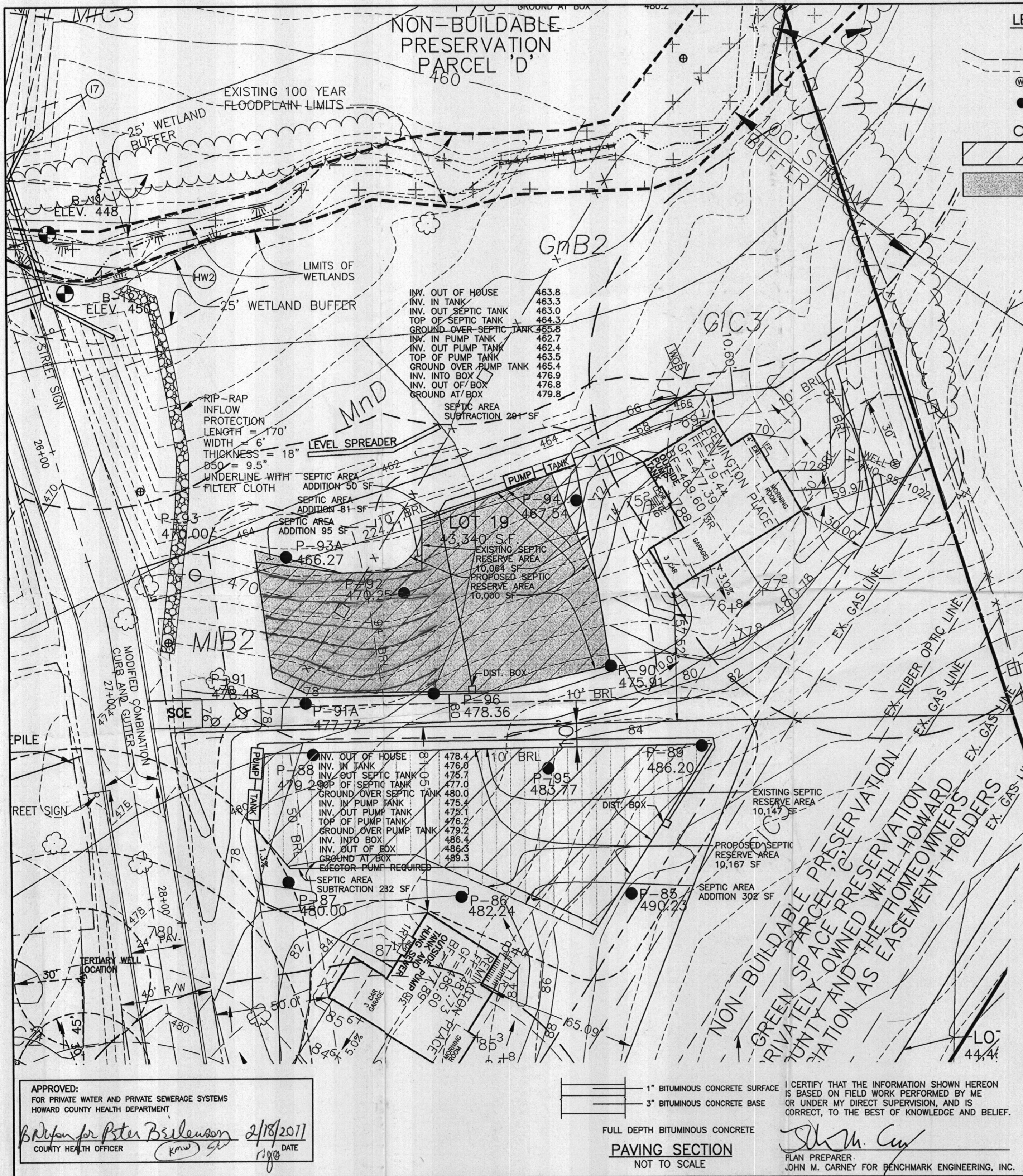
1  
 Fine micaceous L red brown  
 ↓  
 LS  
 Fine micaceous SL red brown  
 w/15-20% channery frags  
 13 1/2

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6/18/02	P-94	4 1/2 / 13'	9:17:30	9:19:45	9:19:45	9:23:30	4:15 OK
6/18/02	P-96	4 1/2 / 13 1/2'	9:09:45	9:12:15	9:12:15	9:18:30	6:15 OK
7/24/02	91-A	14'					

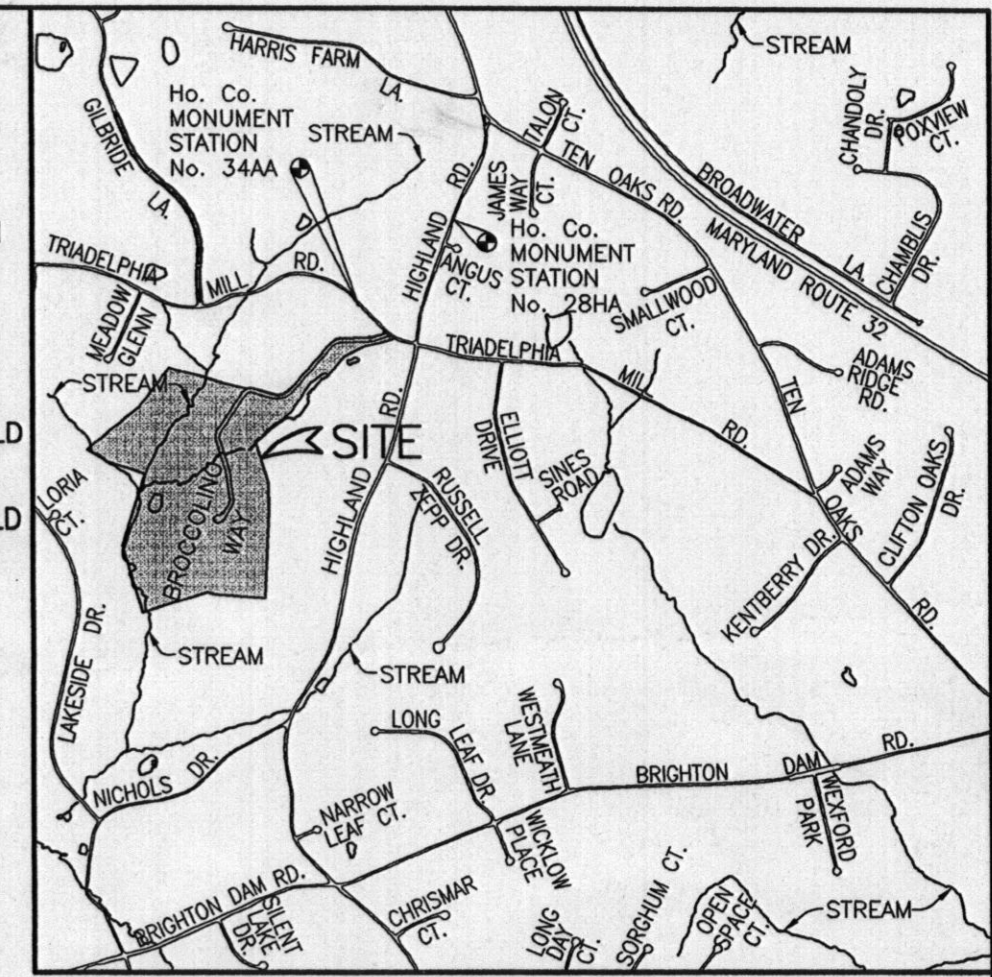
2  
 91A  
 tan brown L  
 tan brown micaceous SL  
 w/10-15% weak spherulite  
 extremely fine  
 14

REMARKS Dig 91A  
 TYPE OF SOIL Manor & Glenelg  
 TESTED BY J. Boris ALSO PRESENT \_\_\_\_\_  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_  
 INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_



**LEGEND**

- EXISTING CONTOURS
- FIELD SURVEYED WELL LOCATION
- PASSED PERCOLATION TEST PER TEST RESULTS
- FAILED PERCOLATION TEST PER TEST RESULTS
- EXISTING APPROVED SEPTIC FIELD
- PROPOSED REVISED SEPTIC FIELD



VICINITY MAP  
SCALE: 1" = 200'

**NOTES:**

1. THE LOT SHOWN HEREON WAS RECORDED ON THE PLAT FOR BRIGHTON MILL, PLAT No. 19463. REFER TO THE PLAT FOR LOT DIMENSIONS, LOT AREAS AND ALL EASEMENTS.
2. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQ. FT. AS REQUIRED BY THE STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA IS RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN. RECORDATION OF A MODIFIED EASEMENT PLAT SHALL NOT BE NECESSARY.
3. SEDIMENT AND EROSION CONTROLS WERE APPROVED BY HOWARD SOIL CONSERVATION DISTRICT AND ARE MODIFIED FOR THIS SPECIFIC HOUSE.
4. TOPOGRAPHY SHOWN HEREON IS TAKEN FROM THE APPROVED ROAD CONSTRUCTION PLANS.
5. EXACT LENGTH OF SEPTIC TRENCHES ARE TO BE DETERMINED BY THE HEALTH DEPARTMENT AT THE TIME OF TRENCH LAYOUT AND INSPECTION.
6. SPOIL FROM THE TRENCHING OF THE SEPTIC AREA IS TO BE PLACED ON THE UPHILL SIDE OF THE EXCAVATION FOR EACH INDIVIDUAL LOT.
7. ALL SEDIMENT AND EROSION CONTROL FEATURES USED ON THIS SITE SHALL COMPLY WITH 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
8. ALL DRAINAGE AND STORMWATER MANAGEMENT FEATURES USED ON THIS SITE MUST COMPLY WITH THE APPROVED ROAD CONSTRUCTION PLANS.
9. SEPTIC TANK FOR THIS LOT TO BE 2,000 GALLONS.
10. THE EXISTING WELL SHOWN ON THIS PLAN, HO-95-1022, HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC. AND IS ACCURATELY SHOWN.
11. STORMWATER MANAGEMENT FOR THIS LOT WAS PROVIDED UNDER F-06-067 BY EXTENDED DETENTION IN PONDS 1 AND 2 FOR CPV AND A LEVEL SPREADER AND GRASSED SWALE FOR WQV.
12. THE ROAD CONSTRUCTION PLANS FOR THIS LOT WERE APPROVED AS FILE NUMBER F-06-067.
13. ALL EXISTING WELLS AND SEPTICS WITHIN 100' OF THIS PROPERTY HAVE BEEN SHOWN.
14. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
15. THE PURPOSE OF THIS PERCOLATION CERTIFICATION REVISION IS TO MODIFY THE SEPTIC RESERVE AREA TO ALLOW THE SITING OF THIS HOUSE MODEL.

NO.	DATE	REVISION

**BENCHMARK**  
ENGINEERS • LAND SURVEYORS • PLANNERS  
**ENGINEERING, INC.**

8480 BALTIMORE NATIONAL PIKE • SUITE 418  
ELLCOTT CITY, MARYLAND 21043  
PHONE: 410-465-6105 • FAX: 410-465-6644  
EMAIL: benchmark@cais.com

Approved Septic System Plan  
Howard County Health Department

*[Signature]*      *[Date]*

\* 4 BR as shown.  
Pump System.

OWNER/BUILDER:	PROJECT:
NVHOMES MARYLAND EAST DIVISION 6085 MARSHALEE DRIVE SUITE 130 ELKRIDGE, MARYLAND 21075 PHONE: 410-379-5956 FAX: 410-379-5956	<b>BRIGHTON MILL LOT 19</b>
DESIGN: JMC	DRAFT: JMC
DATE: MAY, 2009 JANUARY, 2011	LOCATION: 13565 BROCCOLINO WAY CLARKSVILLE, MD 21029 TAX MAP No. 34 - BLOCK No. 2 - PARCEL No. 2 4th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
SCALE: 1" = 30'	TITLE: REVISED PERCOLATION CERTIFICATION PLAN HOUSE TYPE: REMINGTON PLACE ELEVATION "E"
	DATE: MAY, 2009 JANUARY, 2011
	PROJECT NO. 2061
	DRAWING 1 OF 1

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

*[Signature]* 2/18/2011  
COUNTY HEALTH OFFICER

I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF KNOWLEDGE AND BELIEF.

*[Signature]*  
PLAN PREPARER  
JOHN M. CARNEY FOR BENCHMARK ENGINEERING, INC.

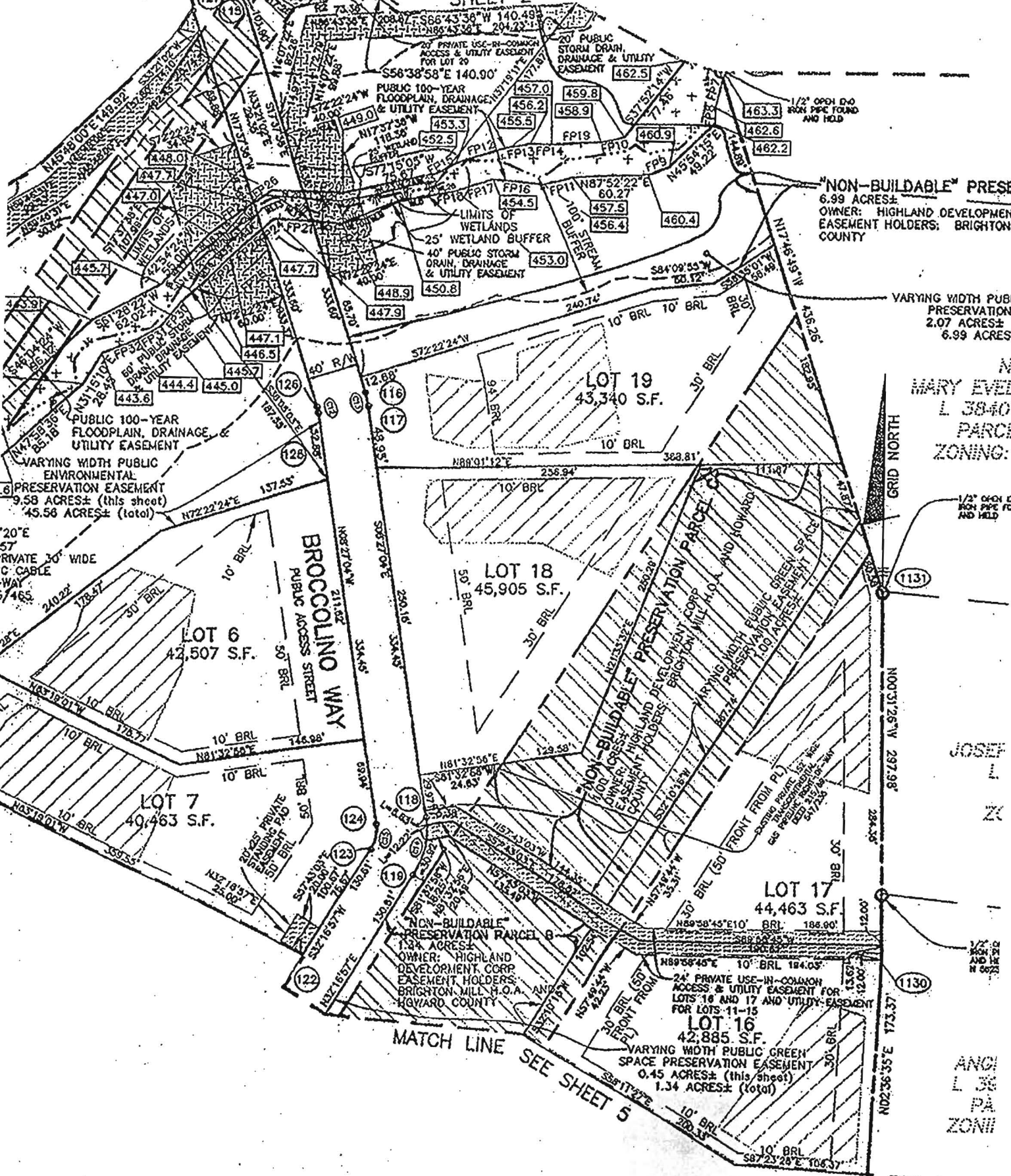
1" BITUMINOUS CONCRETE SURFACE  
3" BITUMINOUS CONCRETE BASE

FULL DEPTH BITUMINOUS CONCRETE  
PAVING SECTION  
NOT TO SCALE



Copy of Record Plat

MATCHLINE SEE SHEET 2



"NON-BUILDABLE" PRESERVATION PARCEL  
6.99 ACRES±  
OWNER: HIGHLAND DEVELOPMENT CORP.  
EASEMENT HOLDERS: BRIGHTON COUNTY

VARYING WIDTH PUBLIC ENVIRONMENTAL PRESERVATION EASEMENT  
2.07 ACRES±  
6.99 ACRES±

MARY EVE L 3840 PARCEL ZONING:

JOSE L 21

ANGIE L 36 PA ZONING

MATCHLINE SEE SHEET 5