

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 _____

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 Debrah and William Anderson
Brenda Tompkins-McDade

ADDRESS C/O TRINITY QUALITY HOMES INC
7320 Grace Drive PHONE (410) 531-6444
Columbia MD 21044

AGENT OR PROSPECTIVE BUYER TRINITY QUALITY HOMES INC
7320 Grace Drive

ADDRESS Columbia MD 21044 PHONE (410) 531-6444

PROPERTY LOCATION: * THE PRESERVE AT WAVERLY WOODS
Subdivision of Shadow Shade Lots 1+2 + Pres. Parcel
SUBDIVISION and Highways at Beechwood Farms LOT NO. (17)

ROAD AND DESCRIPTION Windsor Road and Route 99 (Frederick Road)

TAX MAP 10 PARCEL # 36-102

SIZE OF LOT 1 ac 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.

[Signature]
(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' 226/222

1' topsoil

2' org red brn cl lm

4' pale org brn sa mica lm

10% rock

12.5'

0' 222/225

1' topsoil

2' org brn cl lm

3.5' org tan to beige sa mica lm

10-15% rock

12.5'

220

1' topsoil

2' dk red brn cl lm

3' beige sa mica lm

20% rock

12.5'

	219	220	221	222
	223	224	225	226

SOIL PROFILE

0' 224

1' topsoil

2' org brn cl lm

3.5' pale grey brn mica lm

10-15%

12.5'

0' 219

1' topsoil

2' org brn cl lm

3.5' tan to beige sa mica lm

15% rock

13.5'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Old Frederick Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
1-3-01	226	3.5' G	11:30	11:34	11:34	11:40	6
		12.5' D	Visual	- see profile			OK
	222	12.5' D	Visual	- see profile			OK
	220	3.0' G	11:58	12:02	12:02	12:05	3
		12.5' D	Visual	- see profile			OK
	219	13.5' D	Visual	- see profile			OK
	224	13.5' D	Visual	- see profile			OK
	225	14.0' D	Visual	- see profile			OK
	223	3.0' G	12:30	12:34	12:34	12:39	5
		12.5' D	Visual	- see profile			OK

REMARKS: holes tested as staked

TYPE OF SOIL

TESTED BY: DCC ALSO PRESENT: Crepp, T. Feaga

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME TRENCH WIDTH

INLET DEPTH MAXIMUM BOTTOM DEPTH SQ. FT./BEDROOM

COUNTY #

SOIL PROFILE

507

topsoil

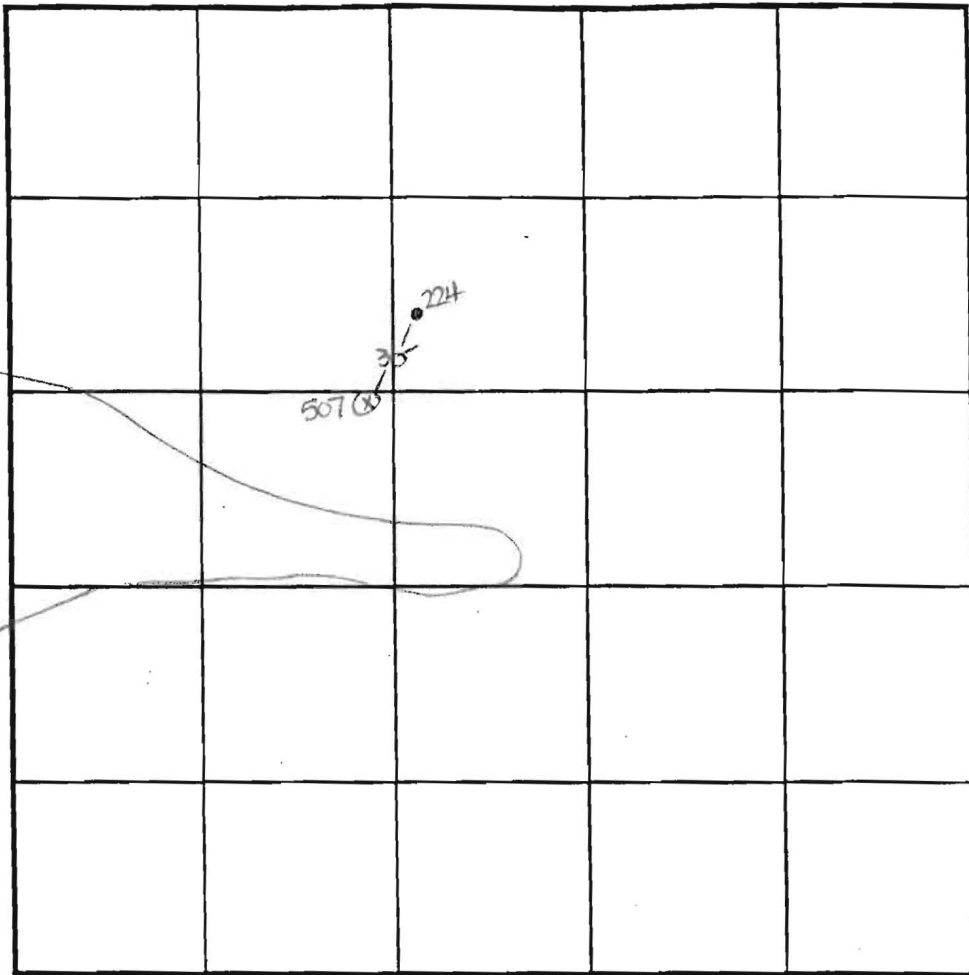
red org
brn
cl Lm

14 org
tan
sa mica
Lm

15% of
rock

3'
3.5'

13'



SOIL PROFILE

0'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Old Frederick Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5-15-01	507	2.5' S	2:09	2:12	2:12	2:16	4
		13.0'D	visual	- see	profile		OK

REMARKS _____

TYPE OF SOIL _____

TESTED BY DICK ALSO PRESENT C. Zepp, T. Feaga

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

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 _____

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 Dobron and Wilton Anderson
Brenda Tompkins-McDade

ADDRESS 7320 GEORGE DRIVE PHONE (410) 531-6444
Columbia MD 21044

AGENT OR PROSPECTIVE BUYER TRINITY QUALITY HOMES INC
7320 GEORGE DRIVE

ADDRESS Columbia MD 21044 PHONE (410) 531-6444

PROPERTY LOCATION: * THE PRESERVE AT WAVERLY WOODS
Subdivision of Shadow Shade Lots 1+2 + Pres. Parcel

SUBDIVISION and Highways at Beechwood Farms LOT NO. _____

ROAD AND DESCRIPTION Woodstock Road and Gate 99 (Frederick Road)

TAX MAP 10 PARCEL # 36+102

SIZE OF LOT 1 ac 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.

[Signature]
(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
228

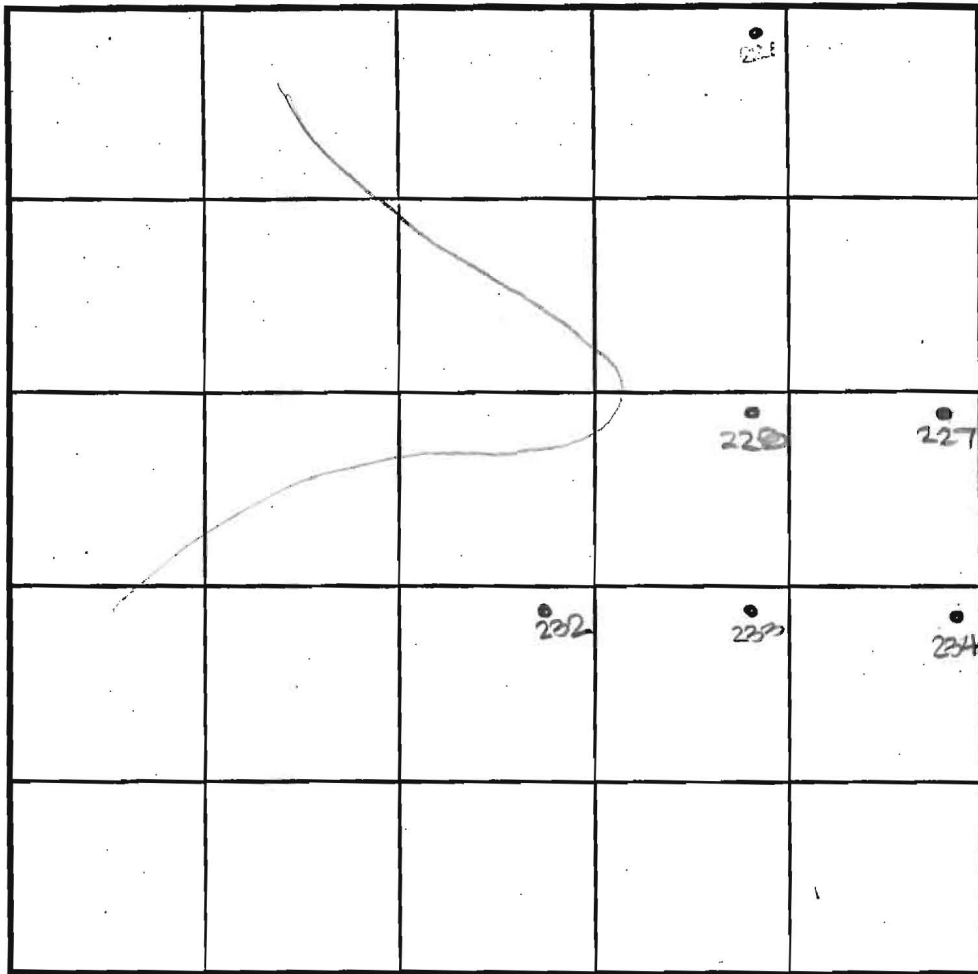
0' topsoil
 1' red org brn cl Lm
 3.5' tan sa mica Lm
 10% rock

234/227

0' topsoil
 1' org brn cl Lm
 3' org tan sa mica Lm
 15% rock

233

0' topsoil
 1' red org brn cl Lm
 3' pale org brn sa mica Lm
 15% rock



SOIL PROFILE
232

0' topsoil
 1' org brn cl Lm
 3' med brn sa mica Lm
 10% rock

221

0' topsoil
 1' org brn cl Lm
 3' pale org tan sa mica Lm
 12.5' 15% rock

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Old Frederick Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
1-3-01	228	3.5'S	10:58	11:01	11:01	11:04	3
		13.0'D	Visual	- see profile			OK
	234	3.0'S	11:04	11:06	11:06	11:09	3
		13.0'D	Visual	- see profile			OK
	233	12.5'D	Visual	- see profile			OK
	232	3.0'S	11:17	11:19	11:19	11:22	3
		13.0'D	Visual	- see profile			OK
	221	3.0'S	11:29	11:32	11:32	11:37	5
		12.5'D	Visual	- see profile			OK
	227	13.0'D	Visual	- see profile			OK

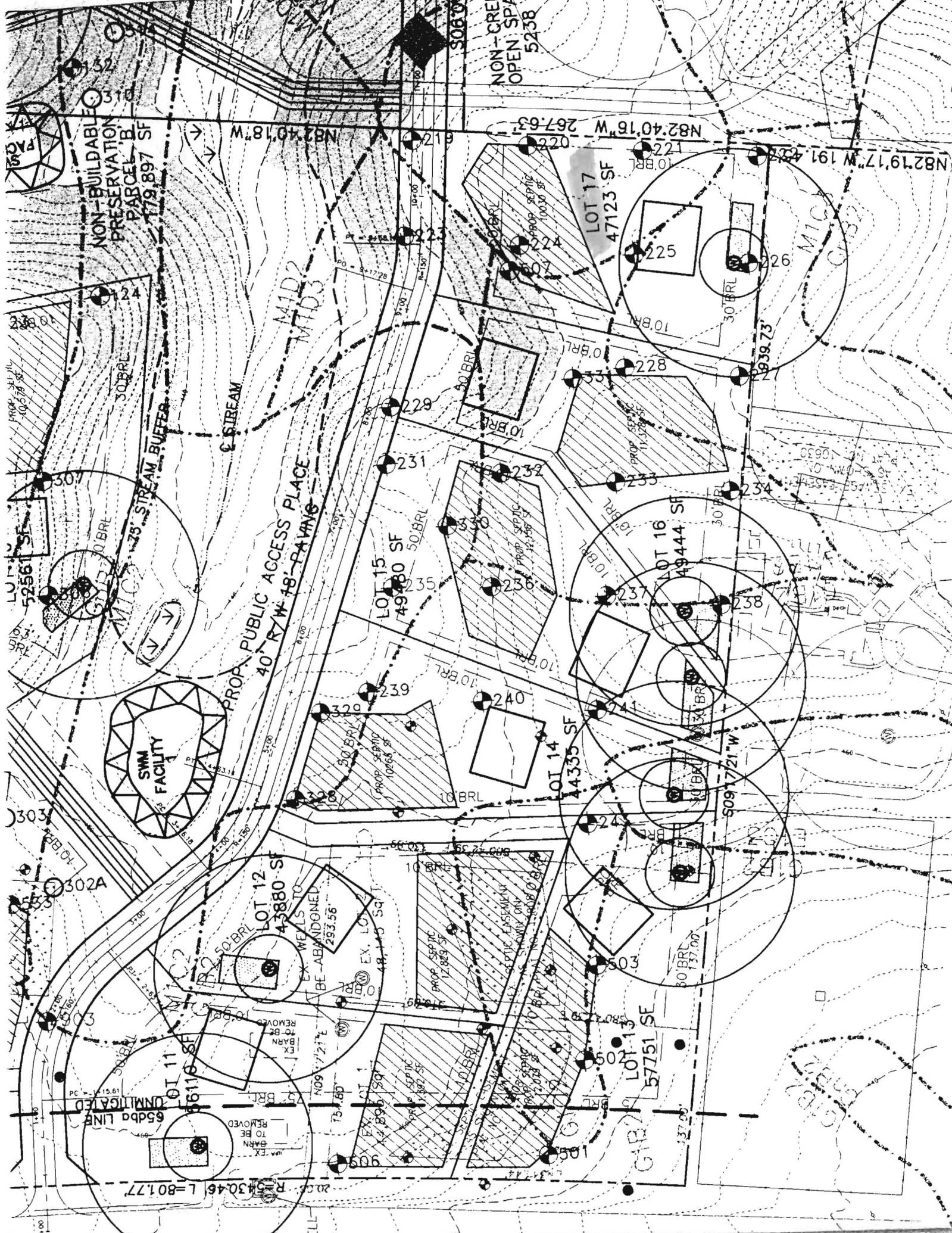
REMARKS holes tested as stated

TYPE OF SOIL

TESTED BY DKE ALSO PRESENT C. Zepp, T. Feaga

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____



NON-BUILDABLE PRESERVATION PARCEL 179,897 SF

NON-CREDIT OPEN SPACE 5238 SF

PROPR. PUBLIC ACCESS PLACE 40' R/W 18'-PAVING

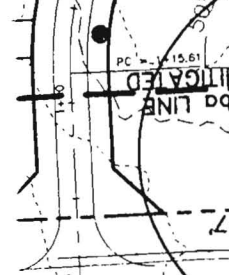
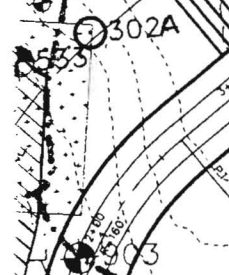
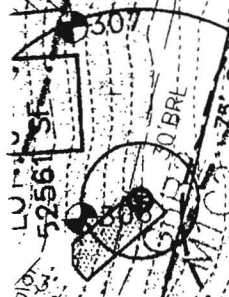
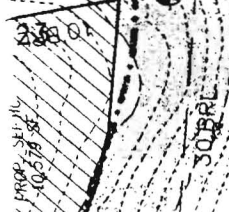
SWM FACILITY

UNMITIGATED

R=5430.46 L=801.77

MID? MTD3

MIGX CURB



N82.40'18" W

N82.40'16" W 267.63'

LOT 17 47123 SF

LOT 15 49280 SF

LOT 16 49444 SF

LOT 14 44335 SF

LOT 12 43880 SF

LOT 13 57751 SF

LOT 11 56116 SF

LOT 24

LOT 25

LOT 26

LOT 27

LOT 28

LOT 29

LOT 22

LOT 23

LOT 24

LOT 25

LOT 26

LOT 27

LOT 28

LOT 29

LOT 30

LOT 31

LOT 32

LOT 33

LOT 34

LOT 35

LOT 36

LOT 37

LOT 38

LOT 39

LOT 40

LOT 41

LOT 42

LOT 43

LOT 44

LOT 45

LOT 46

LOT 47

LOT 48

LOT 49

LOT 50

LOT 51

LOT 52

LOT 53

LOT 54

LOT 55

LOT 56

LOT 57

LOT 58

LOT 59

LOT 60

LOT 61

LOT 62

LOT 63

LOT 64

LOT 65

LOT 66

LOT 67

LOT 68

LOT 69

LOT 70

LOT 71

LOT 72

LOT 73

LOT 74

LOT 75

LOT 76

LOT 77

LOT 78

LOT 79

LOT 80

LOT 81

LOT 82

LOT 83

LOT 84

LOT 85

LOT 86

LOT 87

LOT 88

LOT 89

LOT 90

LOT 91

LOT 92

LOT 93

LOT 94

LOT 95

LOT 96

LOT 97

LOT 98

LOT 99

LOT 100

LOT 101

LOT 102

LOT 103

LOT 104

LOT 105

LOT 106

LOT 107

LOT 108

LOT 109

LOT 110

LOT 111

LOT 112

LOT 113

LOT 114

LOT 115

LOT 116

LOT 117

LOT 118

LOT 119

LOT 120

LOT 121

LOT 122

LOT 123

LOT 124

LOT 125

LOT 126

LOT 127

LOT 128

LOT 129

LOT 130

LOT 131

LOT 132

LOT 133

LOT 134

LOT 135

LOT 136

LOT 137

LOT 138

LOT 139

LOT 140

LOT 141

LOT 142

LOT 143

LOT 144

LOT 145

LOT 146

LOT 147

LOT 148

LOT 149

LOT 150

LOT 151

LOT 152

LOT 153

LOT 154

LOT 155

LOT 156

LOT 157

LOT 158

LOT 159

LOT 160

LOT 161

LOT 162

LOT 163

LOT 164

LOT 165

LOT 166

LOT 167

LOT 168

LOT 169

LOT 170

LOT 171

LOT 172

LOT 173

LOT 174

LOT 175

LOT 176

LOT 177

LOT 178

LOT 179

LOT 180

LOT 181

LOT 182

LOT 183

LOT 184

LOT 185

LOT 186

LOT 187

LOT 188

LOT 189

LOT 190

LOT 191

LOT 192

LOT 193

LOT 194

LOT 195

LOT 196

LOT 197

LOT 198

LOT 199

LOT 200

LOT 201

LOT 202

LOT 203

LOT 204

LOT 205

LOT 206

LOT 207

LOT 208

LOT 209

LOT 210

LOT 211

LOT 212

LOT 213

LOT 214

LOT 215

LOT 216

LOT 217

LOT 218

LOT 219

LOT 220

LOT 221

LOT 222

LOT 223

LOT 224

LOT 225

LOT 226

LOT 227

LOT 228

LOT 229

LOT 230

LOT 231

LOT 232

LOT 233

LOT 234

LOT 235

LOT 236

LOT 237

LOT 238

LOT 239

LOT 240

LOT 241

LOT 242

LOT 243

LOT 244

LOT 245

LOT 246

LOT 247

LOT 248

LOT 249

LOT 250

LOT 251

LOT 252

LOT 253

LOT 254

LOT 255

LOT 256

LOT 257

LOT 258

LOT 259

LOT 260

LOT 261

LOT 262

LOT 263

LOT 264

LOT 265

LOT 266

LOT 267

LOT 268

LOT 269

LOT 270

LOT 271

LOT 272

LOT 273

LOT 274

LOT 275

LOT 276

LOT 277

LOT 278

LOT 279

LOT 280

LOT 281

LOT 282

LOT 283

LOT 284

LOT 285

LOT 286

LOT 287

LOT 288

LOT 289

LOT 290

LOT 291

LOT 292

LOT 293

LOT

DENALI DRIVE
ACCESS PLACE
W 18' PAVING

M1D2
M1D3

NON-BUILDABLE
PRESERVATION
PARCEL D
12,912 SF

N 82° 40' 18" W

50' BRL

231

229

50' BRL

50' BRL

219

PROP SEPTIC
12,156 SF

10' BRL

232

10' BRL

PROP SEPTIC
10,048 SF

LOT 15
47123 SF

220

10' BRL

PROP SEPTIC
11,328 SF

228

P-03-02

225

221

T 14
444 SF

30' BRL

EASEMENT
SHOWN ON
06901 ON
10630

N 939.73'

30' BRL

226

221

N 82° 40' 16" W 267.63'

NON-BULK
NON-OPEN
BY 4,922

M1C
Gr B5

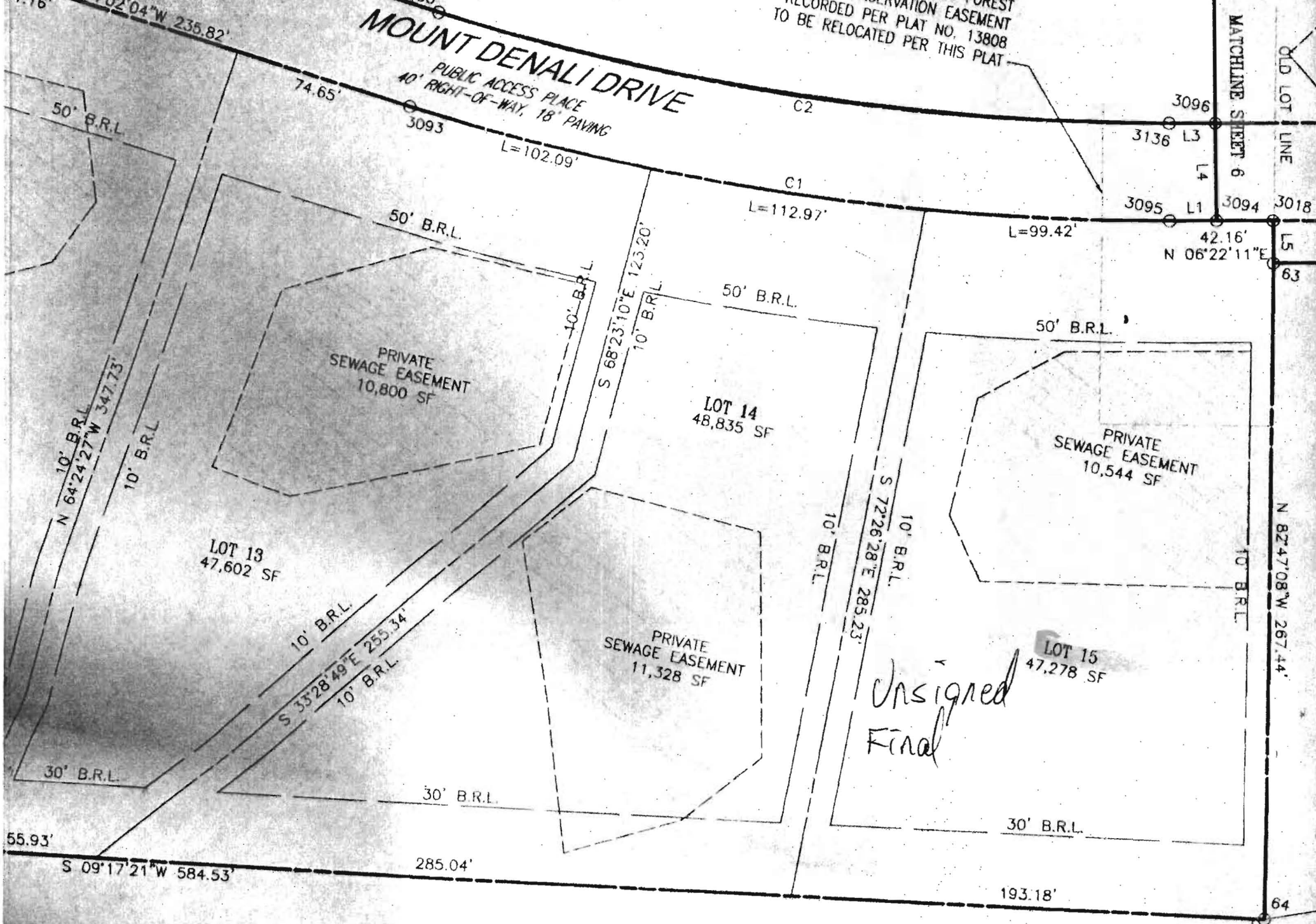
N 191.45'

MOUNT DENALI DRIVE

PUBLIC FOREST
CONSERVATION EASEMENT
RECORDED PER PLAT NO. 13808
TO BE RELOCATED PER THIS PLAT

MATCHLINE SHEET 6
OLD LOT LINE

PUBLIC ACCESS PLACE
40' RIGHT-OF-WAY, 18' PAVING



02'04"W 235.82'

74.65'

3093

L=102.09'

C2

3096

3136 L3

L4

3095 L1

3094

3018

L=99.42'

42.16'
N 06°22'11"E

L5

63

50' B.R.L.

L=112.97'

50' B.R.L.

50' B.R.L.

PRIVATE SEWAGE EASEMENT
10,800 SF

LOT 14
48,835 SF

PRIVATE SEWAGE EASEMENT
10,544 SF

LOT 13
47,602 SF

PRIVATE SEWAGE EASEMENT
11,328 SF

LOT 15
47,278 SF

*Unsigned
Final*

50' B.R.L.

N 64°24'27"W 347.73'

10' B.R.L.

S 68°23'10"E 123.20'

10' B.R.L.

S 72°26'28"E 285.23'

10' B.R.L.

N 82°47'08"W 267.44'

10' B.R.L.

10' B.R.L.

S 33°28'49"E 255.34'

10' B.R.L.

30' B.R.L.

30' B.R.L.

55.93'

S 09°17'21"W 584.53'

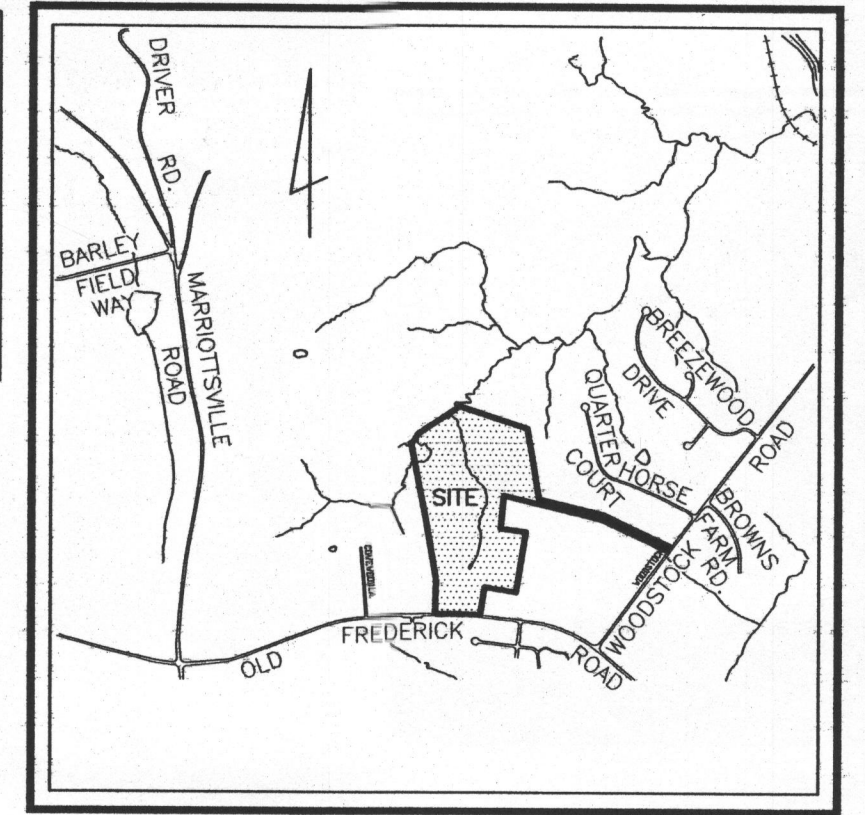
285.04'

193.18'

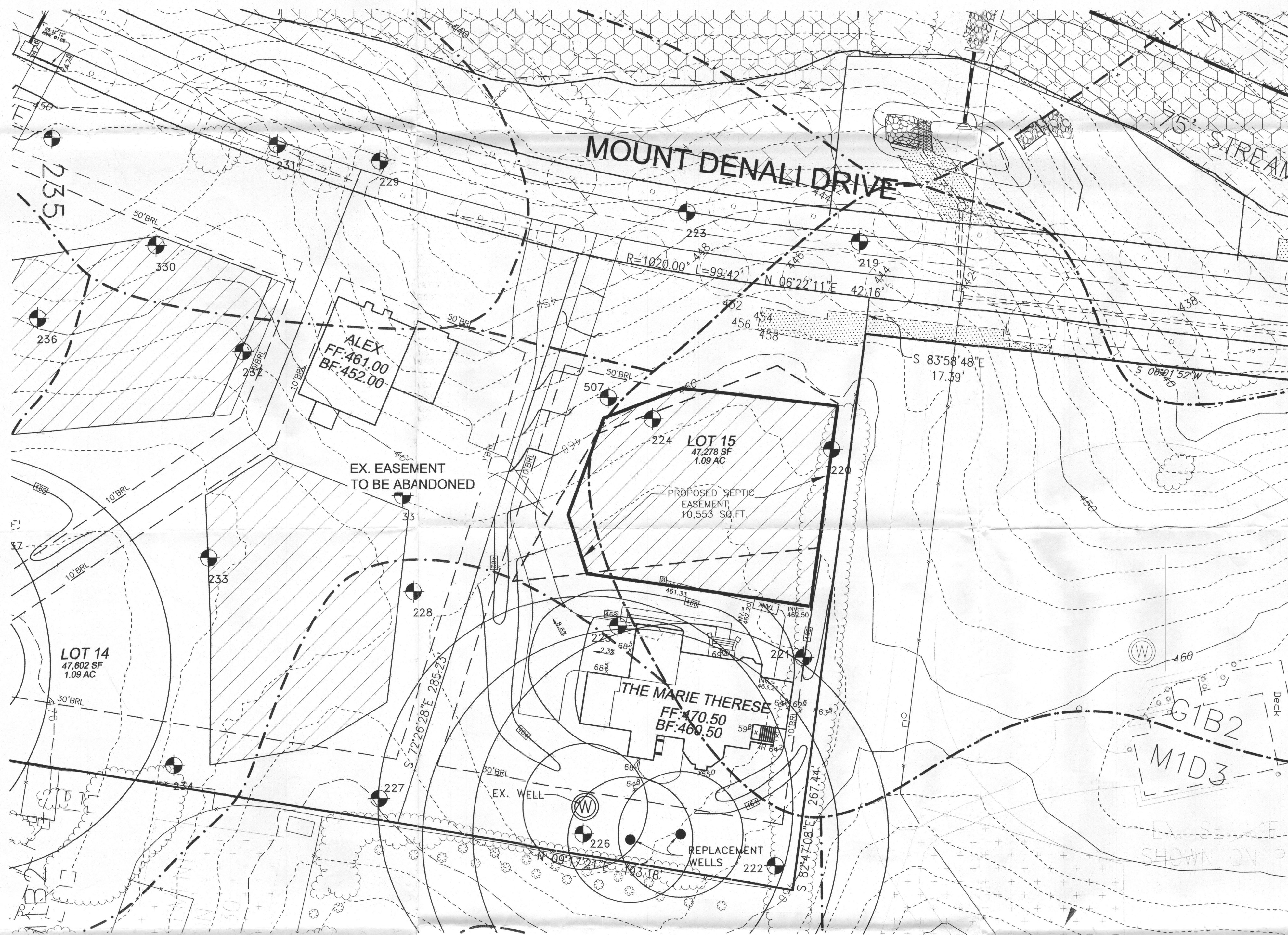
64

BY: [Signature]
AND: [Signature]
DATE: [Date]

SOILS LEGEND					
SYMBOL	NAME / DESCRIPTION	TYPE	'K' VALUE	HYDRIC	HYDRIC INCLUSIONS
EIC3	ELIOAK SILTY CLAY LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED	B	.28	NO	NO
GIB2	GLENELG LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	B	.32	NO	NO
GIC2	GLENELG LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	B	.32	NO	NO
GIC3	GLENELG LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED	B	.32	NO	NO
GIB2	GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	C	.32	NO	YES
MIC2	MANOR LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	B	.37	NO	NO
MID3	MANOR LOAM, 15 TO 25 PERCENT SLOPES, SEVERELY ERODED	B	.37	NO	NO
MIE	MANOR LOAM, 25 TO 45 PERCENT SLOPES	B	.37	NO	NO



VICINITY MAP
SCALE: 1"=2000'



GENERAL NOTES:

1. THE PROPERTY OUTLINE IS BASED ON A BOUNDARY SURVEY PREPARED BY FREDERICK WARD ASSOC., DATED MARCH 2001.
2. THE EXISTING FEATURES AND CONTOURS SHOWN HEREON ARE BASED ON AERIAL TOPOGRAPHY PREPARED BY POTOMAC AERIAL SURVEYS, INC. ON APRIL 4, 2001.
3. WELLS HAVE BEEN DRILLED AND FIELD LOCATED FOR LOT 15 (TAG # HO-94-3882).
4. THE LOT SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
5. ALL WELLS AND SEPTIC SYSTEMS WITHIN 100' FROM THE PROPERTY BOUNDARIES HAVE BEEN SHOWN.
6. ANY CHANGE TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.

LEGEND

- EXISTING CONTOUR
- EXISTING TREES TO REMAIN
- SOIL BOUNDARY
- PASSED PERC. TEST
- FAILED PERC. TEST
- PREVIOUS PASSED PERC. TEST
- EXISTING WELL
- PROPERTY LINE
- PREVIOUSLY APPROVED SEPTIC AREA
- REVISED SEPTIC AREA

OWNER/DEVELOPER

TBI HOMES, INC.
3675 PARK AVENUE, SUITE 301
ELLICOTT CITY, MARYLAND 21043
(410) 480-0023

THIS AREA DESIGNATES A MINIMUM 10,000 SQ FT PRIVATE SEWERAGE EASEMENT REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE EASEMENTS SHALL BE NULL AND VOID UPON CONNECTION TO A PUBLIC SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.

NOTE:
THE PURPOSE OF THIS REVISED PERCOLATION CERTIFICATION PLAN IS TO REVISE THE SEPTIC EASEMENT AND WELLBOX FOR LOT 15.

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEM ON LOT 15.

Robert H. Vogel
COUNTY HEALTH OFFICER
DATE: 5/17/10

PERCOLATION CERTIFICATION:
I CERTIFY THAT THE LOCATIONS SHOWN HEREON ARE BASED ON FIELD LOCATIONS DONE UNDER MY DIRECT SUPERVISION, AND ARE CORRECT, TO THE BEST OF MY PROFESSIONAL KNOWLEDGE AND BELIEF.

Thomas M. Hoffman, Jr.
THOMAS M. HOFFMAN, JR.
LAND SURVEYOR No. 267
DATE: 4-28-10

REVISED PERCOLATION CERTIFICATION PLAN

THE PRESERVE AT WAVERLY GLEN

LOT 15

TAX MAP 10 BLOCK 23 PARCELS '304' & '102'
4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

ROBERT H. VOGEL ENGINEERING, INC.
ENGINEERS • SURVEYORS • PLANNERS
8407 MAIN STREET
ELLICOTT CITY, MD 21043
TEL: 410.461.7666
FAX: 410.461.8961

DESIGN BY: JCO
DRAWN BY: JCO
CHECKED BY: RHV
DATE: APRIL, 2010
SCALE: 1"=30'
W.O. NO.: 2017139.0

ROBERT H. VOGEL, PE No. 16193