

## Real Property Data Search ( w4)

Search Result for HOWARD COUNTY

View Map		View GroundRent Redemption		View GroundRent Registration	
<b>Tax Exempt:</b>		<b>Special Tax Recapture:</b>			
<b>Exempt Class:</b>		NONE			
<b>Account Identifier:</b>		<b>District - 04 Account Number - 328353</b>			
Owner Information					
<b>Owner Name:</b>	TWO DOGS LLC C/O HERBERT BURGUNDER III		<b>Use:</b>	RESIDENTIAL	
<b>Mailing Address:</b>	901 DULANEY VALLEY RD STE 502 TOWSON MD 21204-0619		<b>Principal Residence:</b>	NO	
<b>Deed Reference:</b>	/15543/ 00001				
Location & Structure Information					
<b>Premises Address:</b>	622 WATERSVILLE RD MT AIRY 21771-0000		<b>Legal Description:</b>	10.231 ACRES 622 WATERSVILLE RD .7 MI N OF RT 40	
<b>Map:</b>	<b>Grid:</b>	<b>Parcel:</b>	<b>Sub District:</b>	<b>Subdivision:</b>	<b>Section:</b>
0002	0013	0248		0000	
<b>Assessment Year:</b>	<b>Plat No:</b>				
2017	<b>Plat Ref:</b>				
<b>Special Tax Areas:</b>		<b>Town:</b>		NONE	
		<b>Ad Valorem:</b>		100	
		<b>Tax Class:</b>			
<b>Primary Structure Built</b>	<b>Above Grade Living Area</b>	<b>Finished Basement Area</b>	<b>Property Land Area</b>	<b>County Use</b>	
			10.2300 AC		
<b>Stories</b>	<b>Basement</b>	<b>Type</b>	<b>Exterior</b>	<b>Full/Half Bath</b>	<b>Garage</b>
Last Major Renovation					
Value Information					
<b>Base Value</b>		<b>Value</b>		<b>Phase-in Assessments</b>	
		As of		As of	
		01/01/2017		07/01/2018	
				As of	
				07/01/2019	
<b>Land:</b>	296,600	306,900			
<b>Improvements</b>	0	0			
<b>Total:</b>	296,600	306,900		303,467	306,900
<b>Preferential Land:</b>	0				0
Transfer Information					
<b>Seller:</b> TOLER CHRISTOPHER		<b>Date:</b> 04/15/2014		<b>Price:</b> \$14,892	
<b>Type:</b> NON-ARMS LENGTH OTHER		<b>Deed1:</b> /15543/ 00001		<b>Deed2:</b>	
<b>Seller:</b> LWIN MIN		<b>Date:</b> 12/14/2004		<b>Price:</b> \$0	
<b>Type:</b> NON-ARMS LENGTH OTHER		<b>Deed1:</b> /08847/ 00536		<b>Deed2:</b>	
<b>Seller:</b> O NEILL THOMAS M		<b>Date:</b> 04/27/1994		<b>Price:</b> \$90,000	
<b>Type:</b> ARMS LENGTH VACANT		<b>Deed1:</b> /03232/ 00589		<b>Deed2:</b>	
Exemption Information					
<b>Partial Exempt Assessments:</b>	<b>Class</b>	07/01/2018		07/01/2019	
<b>County:</b>	000	0.00			
<b>State:</b>	000	0.00			
<b>Municipal:</b>	000	0.00 0.00		0.00 0.00	
<b>Tax Exempt:</b>		<b>Special Tax Recapture:</b>			
<b>Exempt Class:</b>		NONE			

# APPLICATION

PERCOLATION TESTING

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE 461-9933

A 42038

P \_\_\_\_\_

DISTRICT 4

DATE 6-22-88

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 Basil D. Sallers, et al

ADDRESS 934 E. Lake Ave PHONE \_\_\_\_\_

PROSPECTIVE BUYER Thomas M O'Neill (contact)

ADDRESS 5993 Setter Dr Elkridge, MD 21227 PHONE 247-2210 W 7448181

PROPERTY LOCATION:

SUBDIVISION \_\_\_\_\_ LOT NO. 82

ROAD AND DESCRIPTION off Old Watersville Rd. on left hand side of road property at end.

TAX MAP 2 PARCEL # 73

SIZE OF LOT 10.2 Acres TYPE BLDG Unimprv land  
(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.

Thomas M O'Neill  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING 8-15-88 - UNSATISFACTORY Soil - Shallow bed rock. saw  
2-24-89 - UNSATISFACTORY - Shallow depth to bedrock; RECOMMEND I & A  
TESTING FOR APPROVAL

## THIS IS NOT A PERMIT



# APPLICATION

PERCOLATION TESTING

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE 461-9933

A 42038

P \_\_\_\_\_

DISTRICT 4

DATE 6-20-88

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 Basi D. Sollers, et al

ADDRESS 934 E. lake ave PHONE \_\_\_\_\_

PROSPECTIVE BUYER Thomas M. O'Neill contract

ADDRESS 5993 Setter Dr Elkridge, MD 21227 PHONE 247-2210 W-744-8181

PROPERTY LOCATION:

SUBDIVISION \_\_\_\_\_ LOT NO. 1

ROAD AND DESCRIPTION RT 70 → RT 94 → left on Old Frederick Rd →  
Right onto old watersville rd approx half mile on left Dirt road Follow Dirt  
Road until the end.

TAX MAP 2 PARCEL # 73

SIZE OF LOT 10.2 acres TYPE BLDG Unimprv land  
(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. Thomas M. O'Neill  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

## THIS IS NOT A PERMIT



SOIL PROFILE

0'


INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	

REMARKS \_\_\_\_\_

TYPE OF SOIL \_\_\_\_\_

TESTED BY \_\_\_\_\_ ALSO PRESENT \_\_\_\_\_

# APPLICATION

PERCOLATION TESTING

A 42038

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 461-9933

DISTRICT \_\_\_\_\_

DATE \_\_\_\_\_

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.

APPLICANT REQUESTS  
RETEST OF AREA APPROVED  
FOR SAND MOUND  
TO DETERMINE IF CONVENTIONAL  
SYSTEM CAN BE APPROVED.  
UNABLE TO CONFIRM SPECIFIC  
TEST HOLE LOCATIONS.

OK TO PROCEED  
NO FEE - PART OF  
ORIGINAL APPLICATION  
4/16/91 CW.

PROPERTY OWNER

THOMAS M. D'NEILL

ADDRESS

5993 SETTER DR  
ELKRIDGE, MD 21227

PHONE

379-0855

PROSPECTIVE BUYER

ADDRESS

PHONE

PROPERTY LOCATION:

SUBDIVISION

Headquarters

LOT NO.

2

ROAD AND DESCRIPTION

OFF old watersville Rd ON left DIST ROAD

Property at end.

TAX MAP

2

PARCEL #

73

SIZE OF LOT

10.2 ACRES Lot 2

TYPE BLDG.

Single Family

(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.

Thomas M D'neill

(SIGNATURE OF APPLICANT)

APPROVED BY

FOR

DATE

REJECTED BY

FOR

DATE

HOLD PENDING FURTHER TESTS

DATE

REASONS FOR REJECTION OR HOLDING

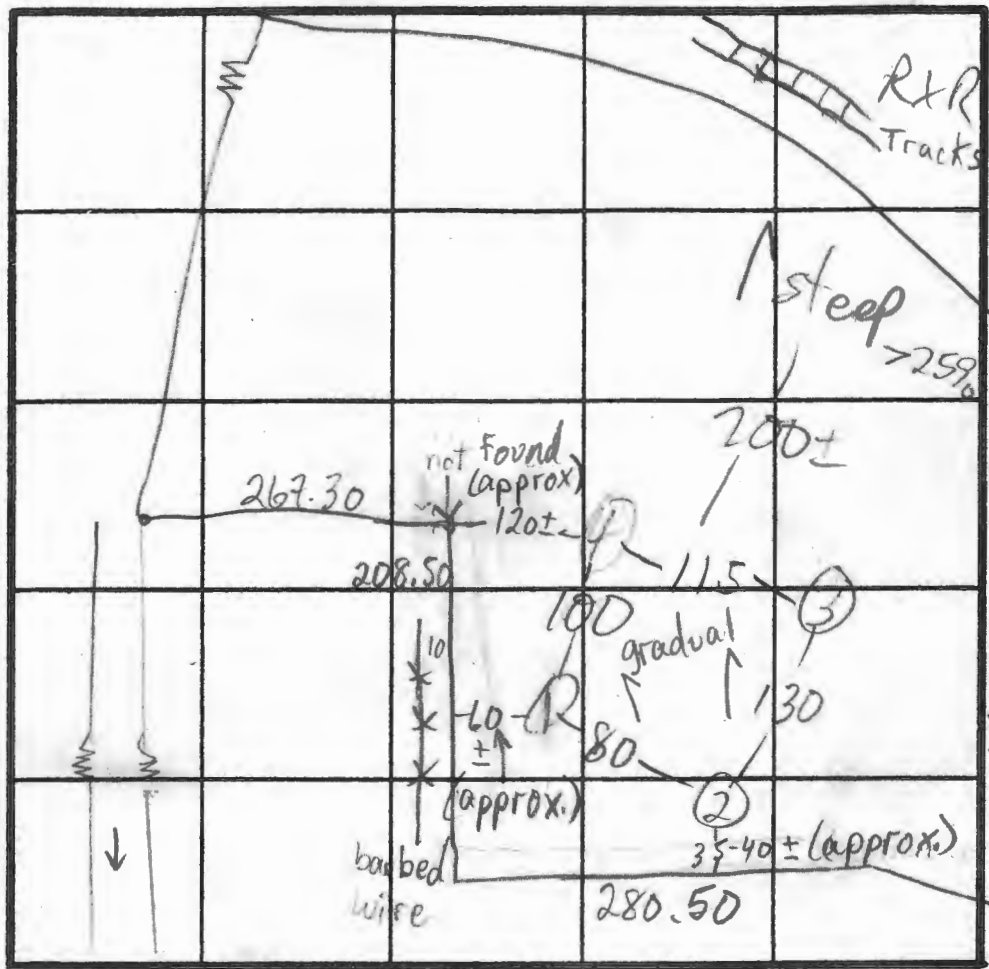
HOLD FOR PLAT-PERC OK-SHALLOW  
SYSTEM ONLY! MR 5/15/91

HD-216

## THIS IS NOT A PERMIT

124  
SOIL PROFILE

0  
org  
sandy  
clay loam  
15-20%  
frags  
4  
tan, brn,  
org fine  
sand  
loam  
25-30%  
mostly small  
shale frags  
struc.  
mottled  
at bot  
11.2' red shale



Lot Line  
 $\bar{x} \approx 8$   
210' BR  
Inlet 4"  
Bottom 6'  
Lot Line

3

W. WATERSVILLE RD INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

4  
org  
sandy  
clay lm  
10-15%  
frags  
some large  
frags  
4  
org  
brn  
sand lm  
30-45%  
shale  
frags  
some large  
frag-in  
from grade  
in part  
of hole

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5/5/91	1 S	5	11:00	11:04	11:04	11:22	18 EST
	1 V	11 1/2	see profile				
	2 S	5	11:18	11:23	11:23	11:36	13
	2 M	9	11:19	11:20	11:20	11:22	2
	2 V	11	sim to 1 15-20% larger frags				
	3 S	5	11:38			11:39	2" 1 min
	3 S <sub>1</sub>	REPOUR	11:39	11:40	11:40	11:41	1
	3 S <sub>2</sub>	REPOUR	11:41	11:41	11:41	11:42	1
	3 V	10 1/2	see profile				
	4 S	6	11:53	12:00	12:00	12:08	8
	4 V	10 1/2	sim to 1 25-30% larger frags				

REMARKS SHALLOW ONLY! SHALEY SOILS

TYPE OF SOIL \_\_\_\_\_

TESTED BY M. Rifkin ALSO PRESENT owner, Eagle crew

MAP 1 - R 3

WATERSVILLE BRANCH

SOUTH

R 1

R 10

R 11

R 12

R 13

R 14

R 15

R 16

R 17

R 18

R 19

R 20

R 21

R 22

R 23

R 24

R 25

R 26

R 27

R 28

R 29

R 30

R 31

R 32

R 33

R 34

R 35

R 36

R 37

R 38

R 39

R 40

R 41

R 42

R 43

R 44

R 45

R 46

R 47

R 48

R 49

R 50

R 51

R 52

R 53

R 54

R 55

R 56

R 57

R 58

R 59

R 60

R 61

R 62

R 63

R 64

R 65

R 66

R 67

R 68

R 69

R 70

R 71

R 72

R 73

R 74

R 75

R 76

R 77

R 78

R 79

R 80

R 81

R 82

R 83

R 84

R 85

R 86

R 87

R 88

R 89

R 90

R 91

R 92

R 93

R 94

R 95

R 96

R 97

R 98

R 99

R 100

R 101

R 102

R 103

R 104

R 105

R 106

R 107

R 108

R 109

R 110

R 111

R 112

R 113

R 114

R 115

R 116

R 117

R 118

R 119

R 120

R 121

R 122

R 123

R 124

R 125

R 126

R 127

R 128

R 129

R 130

R 131

R 132

R 133

R 134

R 135

R 136

R 137

R 138

R 139

R 140

R 141

R 142

R 143

R 144

R 145

R 146

R 147

R 148

R 149

R 150

R 151

R 152

R 153

R 154

R 155

R 156

R 157

R 158

R 159

R 160

R 161

R 162

R 163

R 164

R 165

R 166

R 167

R 168

R 169

R 170

R 171

R 172

R 173

R 174

R 175

R 176

R 177

R 178

R 179

R 180

R 181

R 182

R 183

R 184

R 185

R 186

R 187

R 188

R 189

R 190

R 191

R 192

R 193

R 194

R 195

R 196

R 197

R 198

R 199

R 200

R 201

R 202

R 203

R 204

R 205

R 206

R 207

R 208

R 209

R 210

R 211

R 212

R 213

R 214

R 215

R 216

R 217

R 218

R 219

R 220

R 221

R 222

R 223

R 224

R 225

R 226

R 227

R 228

R 229

R 230

R 231

R 232

R 233

R 234

R 235

R 236

R 237

R 238

R 239

R 240

R 241

R 242

R 243

R 244

R 245

R 246

R 247

R 248

R 249

R 250

R 251

R 252

R 253

R 254

R 255

R 256

R 257

R 258

R 259

R 260

R 261

R 262

R 263

R 264

R 265

R 266

R 267

R 268

R 269

R 270

R 271

R 272

R 273

R 274

R 275

R 276

R 277

R 278

R 279

R 280

R 281

R 282

R 283

R 284

R 285

R 286

R 287

R 288

R 289

R 290

R 291

R 292

R 293

R 294

R 295

R 296

R 297

R 298

R 299

R 300

R 301

R 302

R 303

R 304

R 305

R 306

R 307

R 308

R 309

R 310

R 311

R 312

R 313

R 314

R 315

R 316

R 317

R 318

R 319

R 320

R 321

R 322

R 323

R 324

R 325

R 326

R 327

R 328

R 329

R 330

R 331

R 332

R 333

R 334

R 335

R 336

R 337

R 338

R 339

R 340

R 341

R 342

R 343

R 344

R 345

R 346

R 347

R 348

R 349

R 350

R 351

R 352

R 353

R 354

R 355

R 356

R 357

R 358

R 359

R 360

R 361

R 362

R 363

R 364

R 365

R 366

R 367

R 368

R 369

R 370

R 371

R 372

R 373

R 374

R 375

R 376

R 377

R 378

R 379

R 380

R 381

R 382

R 383

R 384

R 385

R 386

R 387

R 388

R 389

R 390

R 391

R 392

R 393

R 394

R 395

R 396

R 397

R 398

R 399

R 400

R 401

R 402

R 403

R 404

R 405

R 406

R 407

R 408

R 409

R 410

R 411

R 412

R 413

R 414

R 415

R





## DEPARTMENT OF THE ENVIRONMENT

2500 Broening Highway, Baltimore, Maryland 21224

Area Code 301 • 631-3652

William Donald Schaefer  
Governor

Martin W. Walsh, Jr.  
Secretary

May 26, 1989

Mr. Frank Skinner, Director  
Environmental Health  
Howard County Health Department  
P.O. Box 476  
Ellicott City, Maryland 21043

RE: O'Neill Property  
Tax Map 2 Parcel 73 lot *2*

Dear Mr. Skinner:

On April 13, 1989 I conducted four percolation tests on the above referenced property. The results of these tests suggest that this site would be suitable for a conventional sand mound sewage disposal system where slopes do not exceed 12% standard percolation tests were used, instead of ring infiltrometer tests because of the channery soils encounters. Copies of my data sheets are enclosed. Since a backhoe was not available at the site, I was unable to test below 3 feet. However, previous tests conducted by Sid Abel (Howard County Health Department), suggest rock fragments exceed 50% by volume at depths of 3 to 5 ft. below ground level everywhere over the area tested.

If you have any questions please call me at (301) 631-3652.

Sincerely,

*Ronald Pinkley, R.S.*

Ronald Pinkley, R.S.  
Innovative/Alternative Section  
Division of Residential Sanitation

RP/mj

cc: Mr. Jack Holthaus, R.S.  
Tom O'Neill

*Craig*

*Lets discuss this*

*Frank*

TEST DATA

NAME	O'Neill, Tom	FILE NO	
LOCATION	Tox Map 2 P73 Lot 2 off Rt 11 NW Intersect	COUNTY	Howard
		DATE	4-13-89
		GRID	
RECORDED BY	R. Pinkley		

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
10 ft from P1	P1 filled 10"	36"	11:56:50 12:04:30 12:14:10 1:07:30 1:12:20 1:25:50	7 1/2 min 9 1/2 min <del>33 min</del> 13 1/2 min	Top Nail 2nd Nail 3rd Nail 4th Nail 3rd Nail	Too rocky to drive Tuli/Horn meters or get a good seal.
	P2 filled 7"	20"	12:10 1:11:25 1:27:45 1:28 1:48	about 1" logs by time out of water arrived 16 1/2 min 20 min	12 Notch Top No. 1 ch 1 1/2" 3rd Notch 3rd Nail	5% 6" long rocks in this hole @ this depth - pressure lost -
	P3	20"	2:58:00 3:03:42 3:12:00 3:26	5 1/2 min 8 min 10 min	Top Notch 2nd " 3rd " 1 1/2 More	Soil profiles of pack holes appear uniform - CHSIL-SIL should be at 16-32" (less clay above, more rock fragments below)
	P4	14"	3:23 3:30 3:39 3:38:00 3:48:00	1st inch 5 mpi 10 mpi	2nd Nail 3rd Nail 4th Nail + 1/2" 3rd Nail 4th Nail	

large Tree density = 25 ft ± 5 ft suitable for road clearing  
(1 ft from larger)



# SOIL DESCRIPTION

NAME O'Neill, Tom 992-2305 COUNTY Howard FILE NO \_\_\_\_\_  
 SOIL MAP UNIT Mt Airy channely silt loam MAP SYMBOL Mt C<sub>2</sub>, Mt D<sub>2</sub> DATE 4-13-88  
 GEOLOGIC MATERIAL weathered schist ELEVATION \_\_\_\_\_ GRID NO \_\_\_\_\_ E  
 NO. 1 DESCRIBED BY R Phinley \_\_\_\_\_ N

Horizon	Depth in.	Color		Texture	Structure		% Rock Fragments	Notes (Moisture, Density, Biopores, Seepage)
		Matrix	Mottles		Grade	Type		
O	1-0	10YR 2/2	—	fine mulch	—	—	—	sl. moist ML
A	0-5	10YR 5/3	—	ch sil	3vf	gran	5%-10% vs small schist channels	moist muf - ML m roots
B <sub>1</sub>	5-11	10YR 5/4	—	ch sil	3vf-f	Sbk	5%-10%	moist mfa mf - m roots
B <sub>2t</sub>	11-17	10YR 5/6	—	chh sil sicl	3vf-f	Sbk	10-15% vs small schist channels due to 25-27% clay	moist mfa c - m - m roots
B <sub>2st</sub>	17-24	10YR 5/6-7	—	ch sil	2f-vf	Sbk	15-20% small vs schist channels just above 27%-30% clay	moist mfa cc roots
B <sub>2st</sub>	24-36	7.5YR 5/8	0.2f 5YR 5/8	ch sil	2f	Sbk	20%-30% (5%-10% are large 2-5" long notice of channels about 27% clay)	v. moist SL 5bick mfa sf - m roots

## LANDSCAPE

### Position

Summit \_\_\_\_\_ Depression \_\_\_\_\_  
 Shoulder \_\_\_\_\_ Upland \_\_\_\_\_  
 Sideslope ✓ Terrace \_\_\_\_\_  
 Footslope \_\_\_\_\_ Floodplain \_\_\_\_\_

### Slope

Percent 13%  
 Shape linear

20% downslope of test site  
 ED / MWD  
 13% upslope WD / SPD  
 or sl. curve

## SOIL DRAINAGE CLASS

### WATER TABLE

PD  
 VPD

## LIMITING ZONE

## SOIL CLASSIFICATION





---

## HOWARD COUNTY HEALTH DEPARTMENT

---

*Joyce M. Boyd, M.D., County Health Officer*

April 18, 1991     *Reply to:*

Mr. Thomas O'Neill  
5993 Setter Drive  
Elkridge, Maryland 21227

RE: Percolation Retesting  
O'Neill Property  
Tax Map: 2 Parcel: 73  
West Watersville Road

Dear Mr. O'Neill:

A percolation test date has been reserved for 10:00 a.m., Wednesday, May 15, 1991. This retest was scheduled to examine other areas on the property not previously tested.

You will be responsible for having a contractor on-site to excavate test holes in the corners of the proposed percolation areas.

Please call this office between 8:30 a.m. and 4:30 p.m., Monday through Friday, to confirm your acceptance of this percolation test date.

Thank you for your cooperation in this matter.

Very truly yours,

Jane Nadeau, Sanitarian  
Water and Sewerage Program

JN:jr



---

## HOWARD COUNTY HEALTH DEPARTMENT

---

*Joyce M. Boyd, M.D., County Health Officer*

June 4, 1991

*Reply to:*

Mr. Thomas O'Neill  
5993 Setter Drive  
Elkridge, Maryland 21227

RE: Percolation Test Results  
Application Number: A42038  
Proposed Use: Adjustment to  
Sewage Easement  
Property ID: Headquarters - Lot 2  
Tax Map: 2 Parcel: 73


Dear Mr. O'Neill:

Percolation testing conducted May 15, 1991 on the above referenced property indicated limited satisfactory soil conditions in the vicinity of the area that was originally approved for a sand mound septic system. Copies of the test results are enclosed.

Based on these results, approval will be granted to install a very shallow standard septic system in the platted sewage disposal area. A copy of the septic system specifications is enclosed to assist in preparation of your building permit application.

If you have any questions regarding this matter, please feel free to contact me at the above address or by calling 461-9933.

Very truly yours,

  
Craig Williams, Director  
Water and Sewerage Program

CW:jr

Enclosures

cc: Don Lynch Associates, Inc.  
File

To: Howard County Health Dept.

ON behalf of my well driller.  
Westminster rotary. I request  
Six month extension of well  
permit HD-88-1498.

4-10-91 Thomas W. O'Neill

EXTENSION GRANTED.

NEW EXPIRATION DATE 9/1/91

COPY OF THIS CORRESPONDENCE  
WILL BE SENT TO WELL DRILLER  
4/10/91

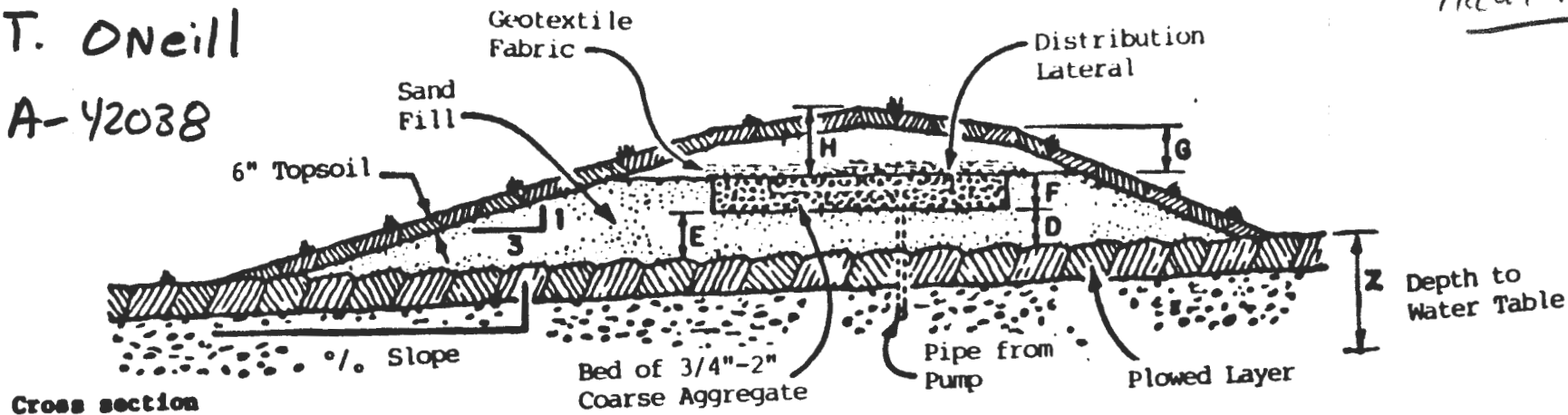
C. Wilkins

RECEIVED  
HOWARD COUNTY  
HEALTH DEPT.  
91 APR 10 PM 12:14

HEAD QUARTERS  
LOT # 2  
T. O'Neill  
A-42038

# SAND MOUND DESIGN

4BK w/ DISPOSAL  
Treat AS SBR



## BACKGROUND DATA

Bed Rock CX ← Slope % (change in elevation over 100ft. distance): 12 %  
Depth to water table (Z): 24 inches  
Design flow (gal. per day): 750 gpd  
Design infiltration rate: 1.2 gpd/ft<sup>2</sup>

## DESIGN CALCULATION

$$\text{Absorption bed ft}^2 (A \times B) = \frac{\text{Design flow}}{1.2 \text{ gpd/ft}^2} = \underline{625 \text{ ft}^2}$$

$$\text{Bed length (B)} = \underline{70} \text{ ft. (21 ft. to 101 ft. dependent on site)}$$

$$\text{Bed width (A)} = \frac{\text{Bed } 625 \text{ ft}^2}{B \text{ } 70 \text{ ft.}} = \underline{9.0 \text{ ft. (15 ft. or less)}}$$

$$\text{Upslope sand fill depth (D)} = 48 \text{ in.} - 24 \text{ in.} = \underline{24 \text{ in. (12" min.)}}$$

$$\text{Downslope sand fill depth (E)} = [12 A \times \frac{\text{slope}}{100}] + D \text{ in.} = \underline{37.0 \text{ in.}}$$

$$\begin{aligned} \text{Cap + topsoil at bed center (H)} &= \underline{18 \text{ in.}} \checkmark \\ \text{Cap + topsoil at bed edge (G)} &= \underline{12 \text{ in.}} \checkmark \\ \text{Total Bed Depth (F)} &= \underline{10 \text{ in.}} \checkmark \end{aligned}$$

$$\text{Sideslope setback (K)} = \left[ \frac{(D+E)}{2} + 28 \text{ in.} \right] \times 3 = \underline{175.5 \text{ in. } 14.7}$$

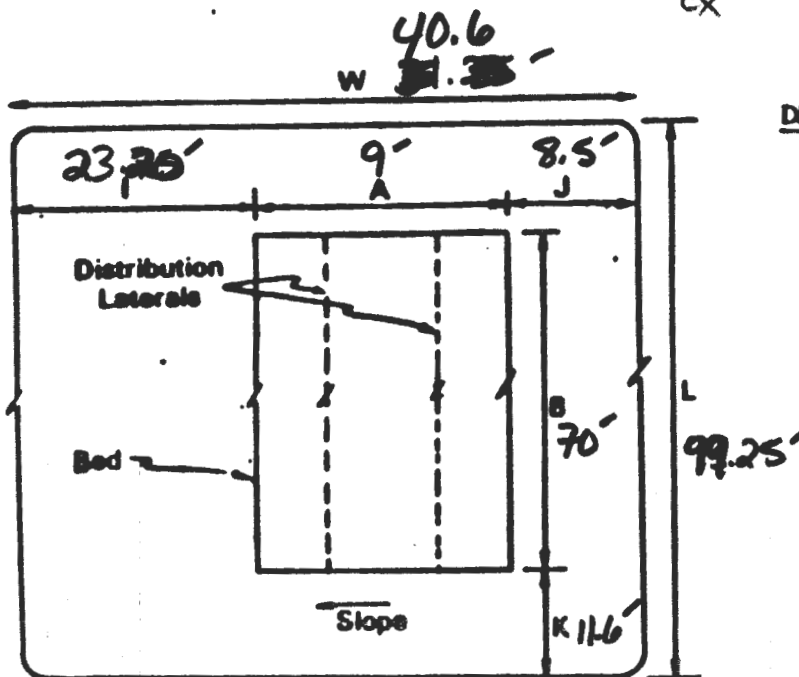
$$\text{Upslope setback (J)} = (22 \text{ in.} + D) \times 3 \times \text{upslope corr. factor} = \underline{101 \text{ in. } 8.4'}$$

$$\text{Downslope setback (I)} = (22 \text{ in.} + E) \times 3 \times \text{downslope corr. factor} = \underline{278 \text{ in. } 23.2}$$

$$\text{Total Width of Mound (W)} = 12A + J + I = \underline{487.0 \text{ in. } 40.6'}$$

$$\text{Total Length of Mound (L)} = 12B + K + K = \underline{1191 \text{ in. } 99.25'}$$

7/20/89 Sallier



Plan view



# TEST DATA

NAME O'Neill, Tom FILE NO. \_\_\_\_\_

LOCATION Top of P2 P73 lot 2 off Rt 144 N. of Intervale COUNTY Howard

DATE 4-13-89

GRID \_\_\_\_\_ E

RECORDED BY R. Pinkley N

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
	12" diam per hole					
	P <sub>1</sub> filled 10"	36"	11:56:50 12:04:30 12:14:10 1:07:30 1:12:20 1:25:50	> 7 1/2 min > 9 1/2 min <del>53 min</del> > 13 1/2 min	top Nail 2nd Nail 3rd Nail 4th Nail 3rd Nail	Too rocky to drive Infiltrameters or get a good seal.
10 ft from P <sub>1</sub>						
	P <sub>2</sub> filled 70"	20"	12:10 1:11:25 1:27:45 1:28 1:48	12:10 > 16 1/2 min > 20 min	1/2 Notch Top Notch 1 1/2" 3rd Notch 3rd Notch	5% 6" long rocks in this hole @ this depth preserved -
	P <sub>3</sub>	20"	2:58:00 3:03:42 3:12:00 3:26	> 5 1/2 min > 8 min > 10 min	Top Notch 2nd " 3rd " 1 1/2 Notch	Soil profiles of per holes appear uniform - CH SIL - SIL above horizon should be at 16-32" (less clay above, more rock from below)
	P <sub>4</sub>	14"	3:23 3:30 3:37 3:58:00 3:48:00	> 10 min > 5 min > 10 min	2nd Nail 3rd Nail 4th Nail + 1/2" 3rd Nail 4th Nail	

density = 25 ft ± 5 ft suitable for mound clearing  
or larger)

# SOIL DESCRIPTION

NAME O, Neill, Tom COUNTY Howard FILE NO \_\_\_\_\_  
 SOIL MAP UNIT Mt Airy channely silt loam MAP SYMBOL Mt C<sub>2</sub>, Mt D<sub>2</sub> DATE 4-13-89  
 GEOLOGIC MATERIAL weathered schist ELEVATION \_\_\_\_\_ GRID NO \_\_\_\_\_ E  
 NO. 9 DESCRIBED BY R Pinkley \_\_\_\_\_ N

Horizon	Depth in.	Color		Texture	Structure		% Rock Fragments	Notes (Moisture, Density, Biopores, Seepage)
		Matrix	Mottles		Grade	Type		
O	1-0	10YR 2/2	—	fine mulch	—	—	—	sl. moist ML
A	0-5	10YR 5/3	—	ch sil	3vf	gran	5%-10% vs small schist channels	moist mfr - ML m roots
B <sub>1</sub>	5-11	10YR 5/4	—	ch sil	3vf-f	sbk	5%-10%	moist mfr m roots
B <sub>2t</sub>	11-17	10YR 5/6	—	ch sil sycl	3vf-f	sbk	10-15% vs small schist channels	moist mfr c-m roots
B <sub>2st</sub>	17-24	10YR 5/6-7	—	ch sil	2f-uf	sbk	15-20% vs small schist channels	moist mfr cc roots
B <sub>2st</sub>	24-36	7.5YR 5/8	2f 5YR 9/8	ch sil	2f	sbk	20%-30% (5%-10% are large 2-5" long rest is vf channels)	v. moist sl sbk mfr about 27% clay sf-m roots

## LANDSCAPE

### Position

Summit \_\_\_\_\_  
 Shoulder ✓  
 Sideslope ✓  
 Footslope \_\_\_\_\_  
 Depression \_\_\_\_\_  
 Upland \_\_\_\_\_  
 Terrace \_\_\_\_\_  
 Floodplain \_\_\_\_\_

### Slope

Percent 13%  
 Shape Linear

20% downslope of test site  
 13% upslope  
 or sl. curve

## SOIL DRAINAGE CLASS

### WATER TABLE

PD  
 VPD

## LIMITING ZONE

## SOIL CLASSIFICATION



# HEAD QUARTERS

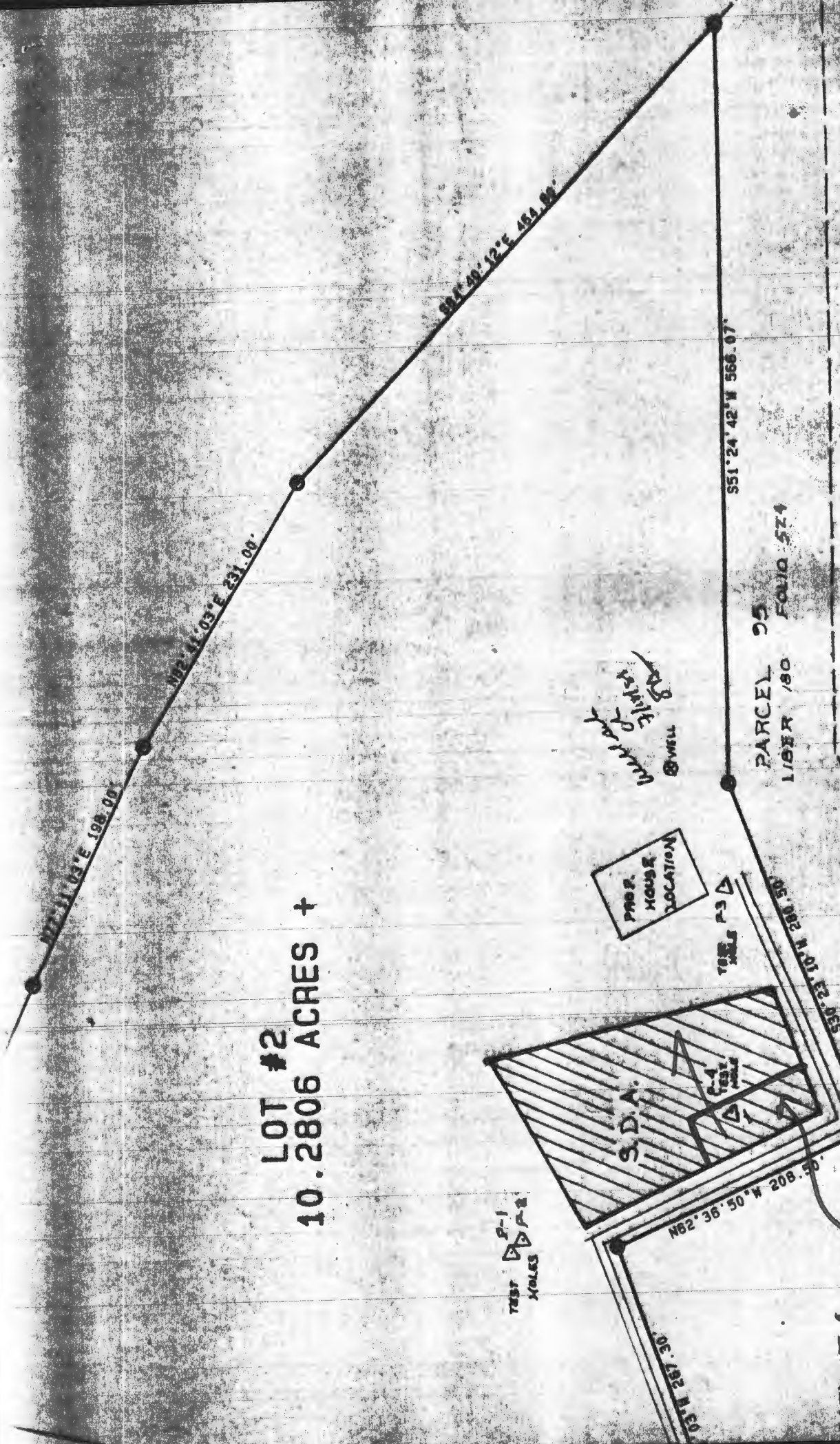
LOT 2

## W. WATERSVILLE Rd. SAND MOUND PRE-CONSTRUCTION CHECK LIST

1. Total mound width (ft) = 40.6
2. Total mound length (ft) = 99.25
3. Absorption bed length (ft) = 70
4. Absorption bed width (ft) = 9
5. Side slope setback = 14.7
6. Upslope setback = 8.4
7. Downslope setback = 23.2
  
8. Center feed or end feed manifold = C
- 9.. Length of laterals from manifold = 34.3
10. Number of rows of laterals = 3
11. Total length of lateral pipe required for system = 207
12. Space between laterals = 3
13. Lateral diameter = 1 1/4"
14. Perforation diameter = 5/16 inch
15. Perforation spacing = 42"
16. Number of perforations per lateral = 10
17. Space between first perforation and manifold = 1.75
18. Total length of manifold = 6'
19. Reducers - type and number required to be determined
  
20. Upslope sand fill depth (in) = 24
21. Downslope sand fill depth (in) = 37
22. Depth of clay cap and top soil along bed center = 18 in.
23. Depth of clay cap and top soil along bed edges = 12 in.
24. Depth of gravel absorption bed = 10 in.
25. Diameter of force main = 3
26. Total length of force main = \_\_\_\_\_
27. Minimum flow or discharge rate for system (g.p.m.) = \_\_\_\_\_
28. Total dynamic head (TDH) = \_\_\_\_\_
29. Dose (gal.) = \_\_\_\_\_

27-29 DEPENDS ON House Location  
to be determined by engineer.

# LOT #2 10.2806 ACRES +



Parcel 74  
Folio 478  
Folio 575 Approx  
MOUND LOCATION  
(Adjust to fit contours as needed)  
See plan



## **SECTION FIVE**

### **CONSTRUCTION PROCEDURES**

#### **5.1. GENERAL**

Proper construction is extremely important if the sand mound is to function as designed. Installation of a sand mound system is prohibited when soils are frozen. Construction of the mound should not occur if the soil is too wet. Compaction and puddling of the soil in the location of the mound and downslope should be avoided. Soil is too wet for construction of the mound if a sample, taken anywhere within the upper eight inches, when rolled between the hands forms a wire. If the sample crumbles, the soil is dry enough for construction to proceed.

#### **5.2. EQUIPMENT**

The following special equipment is recommended:

1. A small track-type tractor with blade for placing and spreading the sand fill.
2. A cordless drill for drilling holes in the pipe on-site.
3. A moldboard or chisel plow for plowing the soil within the perimeter of the mound. A rototiller may be used on structureless soils with USDA sand textures.
4. A rod and level for determining bed elevations, slope on pipes, outlet elevation of septic tank, slope of site, etc.

#### **5.3. MATERIALS**

The following specifications are required:

1. Sand fill material must be approved by the local Approving Authority prior to hauling to the site. Submit a sample to the local Authority for analyses at least three weeks in advance of construction or select a sand fill from the list of potential sand suppliers. If a sample is submitted for analyses a fee will be charged. Sand fill shall have an effective size between 0.25 mm and 0.5 mm with a uniformity coefficient of 3.5 or less. A copy of the receipt from the sand supplier showing the company name, address, phone number, date and product name will be required.
2. Aggregate shall be clean aggregate free of fines and between 3/4 to 2 inches in diameter.
3. Geotextile fabric shall be of a type approved by the Approving Authority.
4. Cap material shall be soil relatively free of coarse fragments and preferably a clay loam or silt loam texture.



#### **5.4. TANK INSTALLATION AND SITE PREPARATION**

- 5.4.1 Locate and rope-off the entire sewage disposal area to prevent damage to the area during other construction activity on the site. Vehicular traffic over the disposal area should be prohibited to avoid soil compaction.
- 5.4.2 Install septic tank(s) and pumping chamber(s) and pump as shown on the drawings. Call for inspection.
- 5.4.3 Stake out the initial and recovery mound perimeters in their proper orientation as shown in the drawings. Reference stakes offset from the mound corner stakes are recommended. Locate the upslope edge of the absorption bed within the mound and determine the ground elevation at the highest location. Reference this elevation to a benchmark for future use. This is necessary to determine the bottom elevation of the absorption bed.
- 5.4.4 Excess vegetation should be cut and removed. Trees should be cut at ground level and stumps left in place.
- 5.4.5 Determine the location where the force main from the pumping chamber will connect to the distribution network manifold within the mound.
- 5.4.6 Install the force main from the pumping chamber to the proper location within the mound. Pipe should be laid with uniform slope back to the chamber so that it drains after dosing. Cut and stub off pipe one foot below existing grade within the proposed perimeter of the initial mound. Backfill trench and compact to prevent seepage along the trench.
- 5.4.7 Plow the soil within the perimeter of the mound to a depth of about eight inches, if the soil is not too wet. Moldboard or chisel plows may be used. Plowing should be done along the contour, throwing soil upslope. Use a two bottom or larger Moldboard plow. In wooded areas with stumps, roughening the surface to a depth of four to six inches with backhoe teeth may be satisfactory. However, all work should be done from the upslope or sides of the mound if at all possible. Rototilling may be used on soils with USDA textures of sand. After plowing, all foot and vehicular traffic shall be kept off the plowed area.

#### **5.5. FILL PLACEMENT**

- 5.5.1 Relocate and extend the force main several feet above the ground surface.
- 5.5.2 Place the approved sand fill material on the upslope edge(s) of the plowed area. Keep delivery trucks off the plowed area. Minimize traffic on the downslope side. Fill should be placed and spread immediately after plowing. Move the fill

material into place using a small track-type tractor with a blade. Work from the end and upslope side. Always keep a minimum of six inches of material beneath the tracks of the tractor to minimize compaction of the natural soil. The fill material should be worked in this manner until the height of the fill reaches the elevation of the top of the absorption bed.

- 5.5.3 With the blade of the tractor, form the absorption bed. Hand level the bottom of the bed and check it for proper elevation. The bed should be level for proper functioning of the mound. Call for inspection.
- 5.5.4 Shape the sides of the sand fill to design slope (ie., 3:1 or flatter).

#### 5.6. **BED AND DISTRIBUTION NETWORK**

- 5.6.1 Carefully place the coarse aggregate in the bed. Do not create ruts in the bottom of the bed. Level the aggregate to a minimum depth of six inches.
- 5.6.2 The distribution network is assembled in place setting the manifold to ensure draining the laterals between doses. The laterals should be laid level with the holes directed downward. Call for inspection. Test the pumping chamber and distribution network with clean water.
- 5.6.3 Place additional aggregate to a depth of at least two inches over the crown of the pipe.
- 5.6.4 Place the approved geotextile fabric over the aggregate bed. The fabric may extend beyond the bed over the sand fill.

#### 5.7. **COVER MATERIAL**

- 5.7.1 Place a finer textured soil material such as sandy clay loam, clay loam, or silt loam on top of the fabric over the bed. The minimum depth of this cap shall be six inches at the outer edges of the bed and 12 inches along the center.
- 5.7.2 Place a minimum of six inches of good quality topsoil over the entire mound surface including the sideslopes. Call for final inspection.

#### 5.8. **VEGETATION**

- 5.8.1 Fertilize, lime, seed and mulch the entire surface of the mound. Grass mixtures adapted to the area should be used.
- 5.8.2 Consult the county extension agent or Soil Conservation Service for recommendations.

<b>B 1</b> <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">8565</div>	SEQUENCE NO. (DP USE ONLY)	<b>STATE OF MARYLAND</b> <b>PERMIT TO DRILL WELL</b> please print or type	STATE PERMIT NUMBER <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">HD-88-1498</div>
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)		70 fill in this form completely 79	
<b>Date Received (APA)</b> <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">080990</div>		<b>B 3</b> <b>LOCATION OF WELL</b>	
<b>OWNER INFORMATION</b> <div style="border: 1px solid black; padding: 2px;"> <div style="display: flex; justify-content: space-between;"> <span>8</span> <span>13</span> </div> <div style="display: flex; justify-content: space-between;"> <span>15 Last Name</span> <span>Owner</span> <span>First Name</span> <span>34</span> </div> <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">O'NEILL THOMAS</div> <div style="display: flex; justify-content: space-between;"> <span>36</span> <span>55</span> </div> <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">5993 SETTER DRIVE</div> <div style="display: flex; justify-content: space-between;"> <span>57</span> <span>70 State 72</span> <span>Zip</span> <span>76</span> </div> <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">ELKRIDGE MD 21227</div> </div>		<div style="border: 1px solid black; padding: 2px;"> <div style="display: flex; justify-content: space-between;"> <span>1</span> <span>2</span> </div> <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">HOWARD</div> <div style="display: flex; justify-content: space-between;"> <span>8 COUNTY</span> <span>21</span> </div> <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">HEADQUARTERS</div> <div style="display: flex; justify-content: space-between;"> <span>23 SUBDIVISION</span> <span>42</span> </div> <div style="display: flex; justify-content: space-between;"> <span>SECTION</span> <span>LOT</span> </div> <div style="display: flex; justify-content: space-between;"> <span>44</span> <span>46</span> <span>48</span> <span>50</span> </div> <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">MOUNT AIRY</div> <div style="display: flex; justify-content: space-between;"> <span>52 NEAREST TOWN</span> <span>71</span> </div> </div>	
<b>DRILLER INFORMATION</b> <b>RONALD L. KYKER</b>		MILES FROM TOWN (enter 0 if in town) <b>3</b> <b>MI</b>	
Driller's Name <b>RONALD L. KYKER</b> Firm Name <b>WESTMINSTER ROTARY WELL DRILLING, INC</b> Address <b>P.O. BOX 861, WESTMINSTER, MD 21157</b> Signature <i>Ronald L. Kyker 8/8/90</i>		<b>B 4</b> <b>DIRECTION OF WELL FROM TOWN (CIRCLE BOX)</b>	
<b>WELL INFORMATION</b>		<b>WEST WATERSVILLE ROAD</b> NEAR WHAT ROAD	
APPROX. PUMPING RATE (GAL. PER MIN.) <b>5</b> AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) <b>550</b>		ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) 	
<b>USE FOR WATER (CIRCLE APPROPRIATE BOX)</b> <input checked="" type="checkbox"/> HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) <input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) <input type="checkbox"/> INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT) <input type="checkbox"/> PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL) <input type="checkbox"/> TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL <i>Howard</i> COUNTY NAME STATE SIGNATURE DATE ISSUED <b>082990</b> NORTH GRID <b>557000</b> EAST GRID <b>0767000</b>	
APPROXIMATE DEPTH OF WELL <b>400</b> FEET APPROXIMATE DIAMETER OF WELL <b>6</b> INCH		SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. <b>CITY</b> 2. 3.	
<b>METHOD OF DRILLING (circle one)</b> BORED (or Augered) <u>JETTED</u> Jetted & <u>DRIVEN</u> AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary) CABLE REVERSE-ROTARY DRIVE-POINT other		WRITE THE BOX NUMBER FROM THE MAP HERE <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">7657</div> <div style="border: 1px solid black; padding: 2px; font-size: 24px; font-weight: bold;">557</div>	
<b>REPLACEMENT OR DEEPEMED WELLS</b> (CIRCLE APPROPRIATE BOX) <input checked="" type="checkbox"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY <input type="checkbox"/> THIS WELL WILL DEEPEMED AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)		DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD SECTION 	
Not to be filled in by driller (OEP USE ONLY)			
APPROX. PERMIT NUMBER <b>40</b> <b>GAP</b> FORCE <b>40</b> PERMIT No. <b>HD-88-1498</b>			
SPECIAL CONDITIONS <b>Phone 379-0855</b>			

B 1 7977

SEQUENCE NO.  
(DP USE ONLY)STATE OF MARYLAND  
PERMIT TO DRILL WELL

please print or type

STATE PERMIT NUMBER

40-88-0918

fill in this form completely

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

Date Received (APA)

062987

## OWNER INFORMATION

ONEILL THOMAS

5993 SUTTER DR

EIKRIDGE MD 21227

## DRILLER INFORMATION

Ralph Mayne 273

Ralph Mayne well drilling

9120 Browning Church Rd. M.A.A.

Ralph Mayne 612989

## WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 5

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

## 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)

APPROXIMATE DEPTH OF WELL 150 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

## METHOD OF DRILLING (circle one)

- BORED (or Augered) ☒ JETTED & DRIVEN
- AIR-ROTARY ☒ AIR-PERCUSSION ☐ ROTARY (Hydraulic Rotary)
- CABLE ☐ REVERSE-ROTARY ☐ DRIVE-POINT

other

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
- ☐ THIS WELL WILL DEEPEMED AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)

Not to be filled in by driller (OEP USE ONLY)

APPROX. PERMIT NUMBER GAP

FORCE 1A PERMIT No. 40-88-0918

SPECIAL CONDITIONS

329-6430  
344-8181

## LOCATION OF WELL

HOWARD HEADQUARTERS

PAROEL LAGER

SECTION 44 46 LOT 2 48 50

WATERSVILLE

52 NEAREST TOWN

MILES FROM TOWN (enter 0 if in town) 1 MI

W. WATERSVILLE RD

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

NORTH N WEST W EAST E SOUTH S

DISTANCE FROM ROAD 550

ENTER FT or MI FT

NOT TO BE FILLED IN BY DRILLER  
HEALTH DEPARTMENT APPROVAL

HOWARD A-42038

COUNTY NAME COUNTY NO.

STATE SIGNATURE INSERT S

DATE ISSUED 071889

NORTH GRID 557000 EAST GRID 0765000

SHOW MAJOR FEATURES OF BOX &amp; LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

1. well

2.

3.

WRITE THE BOX NUMBER FROM THE MAP HERE

E 7683

N 5507

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION

N well 550' WATERSVILLE RD FREDERICK RD

Well Permit No. HO - 88-1498  
Location of property (road) W. Waterville Rd  
Subdivision Headquarters Lot 2 Block      Plat      Sec.       
Well Driller Kuker Owner O'Neill

Depth of well \_\_\_\_\_  
Distance of measuring point (M.P.) above ground \_\_\_\_\_  
Static water level (S.W.L.) below M.P. \_\_\_\_\_

Time pump started \_\_\_\_\_ Pumping rate \_\_\_\_\_  
Total time \_\_\_\_\_ to reach pumping water level \_\_\_\_\_ ft. below M.P.

[illegible]

A 42038SUBDIVISION: HEAD QUARTERSLOT NUMBER: 2DRY WELL OR DRY WELL AND TRENCH

\_\_\_\_\_ sq. ft./bedroom

	<u>Septic Tank</u>
3 bedroom	1000 gallon
4 bedroom	1250 gallon
5 bedroom	1500 gallon

Minimum Total Square Feet

Inlet \_\_\_\_\_ feet below original grade.

Bottom maximum depth \_\_\_\_\_ feet below original grade.

Effective area begins at \_\_\_\_\_ feet below original grade.

NOTE: If trench is used to make up absorbent area, run the trench on level ground and leave a 5-foot earth buffer between dry well and trench. No trench is to exceed 100 feet in length. Trench inlet to be same as dry well, with \_\_\_\_\_ feet of stone below distribution pipe.

TRENCHES

\_\_\_\_\_ sq. ft./bedroom

Trench to be \_\_\_\_\_ wide.

Inlet \_\_\_\_\_ feet below original grade.

Bottom maximum depth \_\_\_\_\_ feet below original grade.

Effective area begins at \_\_\_\_\_ feet below original grade.

\_\_\_\_\_ feet of stone below distribution pipe.

- NOTE:
- (1) No trench to exceed 100 feet in length.
  - (2) If more than one trench used, a distribution box is required.
  - (3) Trenches to be installed on level ground.
  - (4) Call for inspection of trench before gravel is installed.
  - (5) Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank and drywell.
  - (6) If a garbage disposal is used, increase septic tank capacity by 50% and increase absorbent sidewall area by 22%.

LOCATION: LOCATION: Place the mound at the highest  
area of the approved sewage disposal area, approximately  
place the center of the mound 80 ft off the south  
30.23'10" W (280.50') lot line and 50 ft off the  
N 62°36'50" W (208.50') lot line. 7-26-89 S. Abol



SUBDIVISION:

A 42038

LOT NUMBER: 2

Headquarters  
W. Watersville RdDRY WELL OR DRY WELL AND TRENCH

\_\_\_\_\_ sq. ft./bedroom

	<u>Septic Tank</u>
3 bedroom	1000 gallon
4 bedroom	1250 gallon
5 bedroom	1500 gallon

Minimum Total Square Feet

Inlet \_\_\_\_\_ feet below original grade.

Bottom maximum depth \_\_\_\_\_ feet below original grade.

Effective area begins at \_\_\_\_\_ feet below original grade.

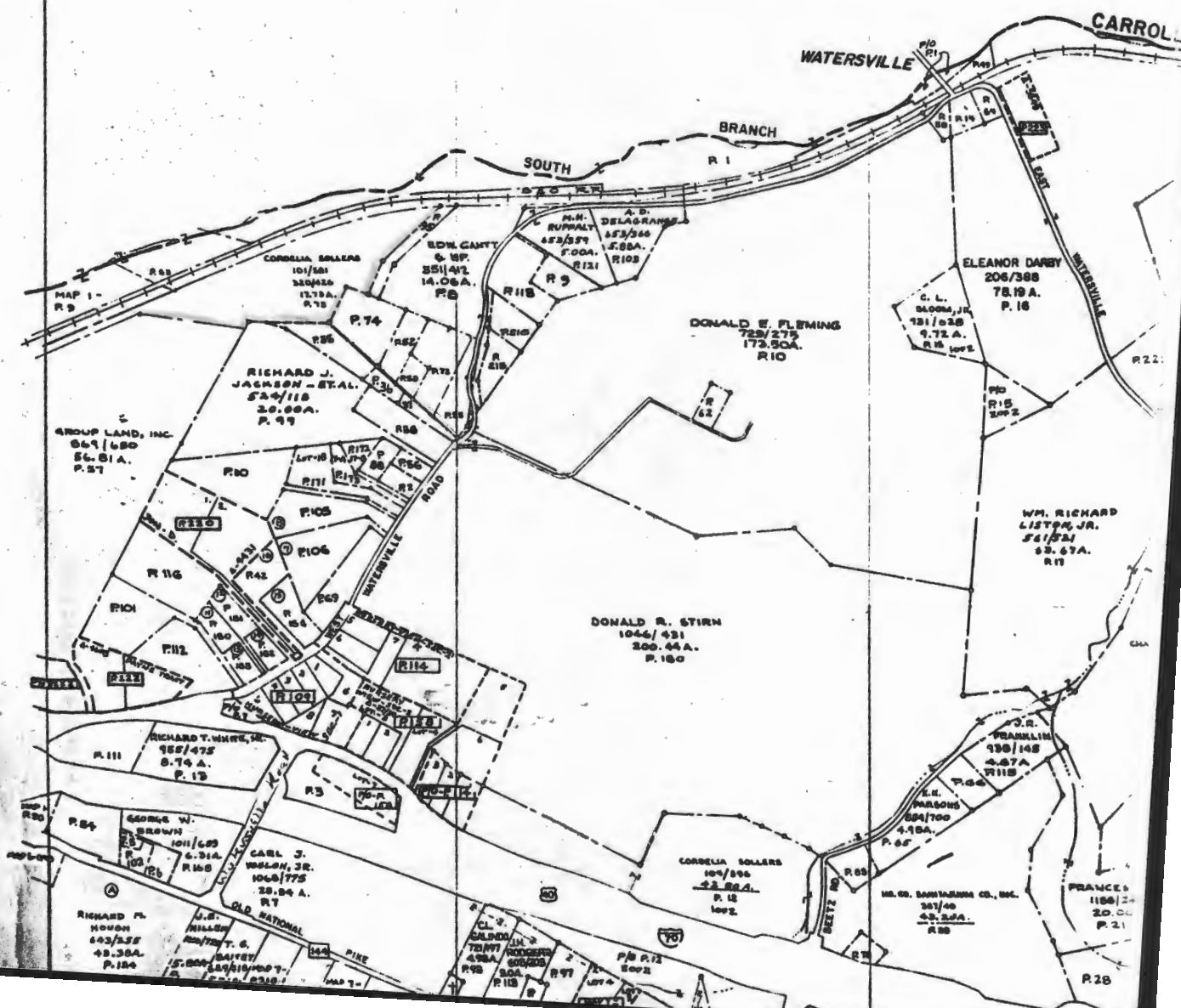
NOTE: If trench is used to make up absorbent area, run the trench on level ground and leave a 5-foot earth buffer between dry well and trench. No trench is to exceed 100 feet in length. Trench inlet to be same as dry well, with \_\_\_\_\_ feet of stone below distribution pipe.

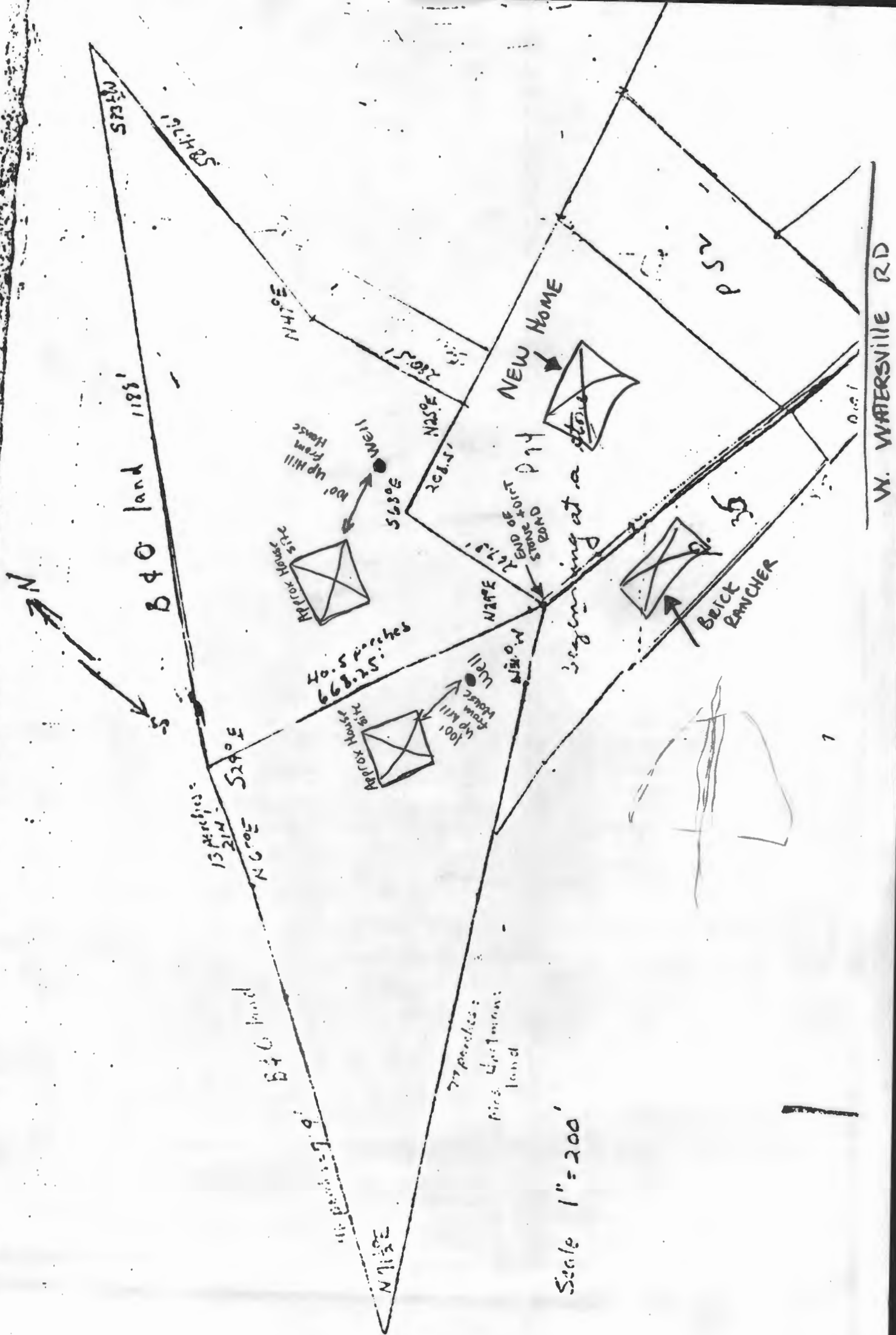
TRENCHES300 sq. ft./bedroomTrench to be 3 wide.Inlet 1 1/2 feet below original grade.Bottom maximum depth 3 feet below original grade.Effective area begins at 1 1/2 feet below original grade.1 1/2 feet of stone below distribution pipe.

- NOTE:
- (1) No trench to exceed 100 feet in length.
  - (2) If more than one trench used, a distribution box is required.
  - (3) Trenches to be installed on level ground.
  - (4) Call for inspection of trench before gravel is installed.
  - (5) Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank and drywell.
  - (6) If a garbage disposal is used, increase septic tank capacity by 50% and increase absorbent sidewall area by 22%.

LOCATION: START THE FIRST TRENCH 150' OFF THE  
208.50' LOT LINE AND 75' OFF THE 280.50' LOT  
LINE. RUN TRENCHES TOWARD THE 208.50' LOT  
LINE ON CONTOUR.

6/3/71 MR







Tax Map 2  
Parcel 73  
Thomas O'Neill  
Dirt Rd on left dirt road

LOT 6  
"PAYNE TRACT"  
PLAT CMP# 6658

BALTIMORE & OHIO  
N74°41'03"E  
759.00'

LOT #1  
7.2433  
ACRES ±

LIBER 470  
FOLIO 239  
2 1/4 ACRES ±

HOUSE  
LOCATION

ADJ. SECTION  
AREA  
10000 ±

PARK  
PLOT

525°48'57"E  
668.25'

LOT #2  
10.2806  
ACRES ±

SPECIAL NOTE:  
S.D.A. FOR LOT #2 IS FOR  
CONVENTIONAL SAND  
MOUND SEWAGE DISPOSAL  
ONLY.

RAILROAD

RIGHT-OF-WAY

478/579  
3.956 ACRES ±

S.D.A.  
TEST HOLE  
P.A.

52  
PROP.  
HOUSE  
LOCATION

WELL  
36.25'  
IRON  
PIPE

N51°24'42"E

546.67' 1 MILE



DON LYNCH ASSOC., INC.  
4907 HARFORD ROAD  
BALTIMORE, MD. 21214

SCALE = 1" = 100' DATE: 1/3/88

APPROVED:  
ON SITE PRIVATE WATER  
AND PRIVATE SEWER  
HOWARD COUNTY HEALTH DEPT.

Emrah M. M...  
J. M. Boyd...  
HOWARD COUNTY HEALTH OFFICER

PERCOLATION CERTIFICATION PLAT				
BOUNDARY SURVEY				
TWO PARCELS OF LAND				
KNOWN AS "HEAD QUARTERS"				
4TH ELECTION DISTRICT HOWARD COUNTY				
TOLERANCES (EXCEPT AS NOTED)		REVISIONS		
DECIMAL	NO.	DATE	BY	PLAT TO ACCOMPANY DESCRIPTIONS OF 7.2433 ACRES & 10.2806 ACRES PARCELS.  DRAWN BY D.L. SCALE 1" = 100' MATERIAL CHK'D E.B. DATE 1/3/88 DRAWING NO. REUSED 4/12/89
±	1			
FRACTIONAL	2			
±	3			
ANGULAR	4			
±	5			



LOT 6  
"PAYNE TRACT"  
PLAT CMP#6658

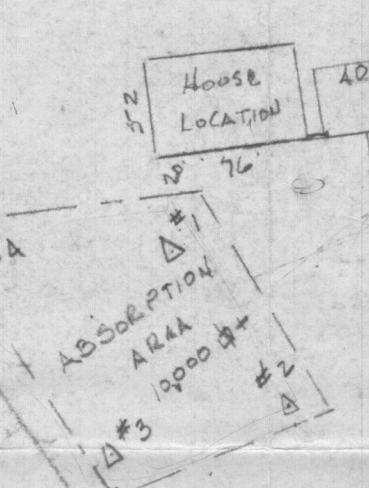
BALTIMORE & OHIO  
N74°41'03"E  
759.00'

LOT #1  
7.2433  
ACRES ±

RAILROAD

RIGHT-OF-WAY

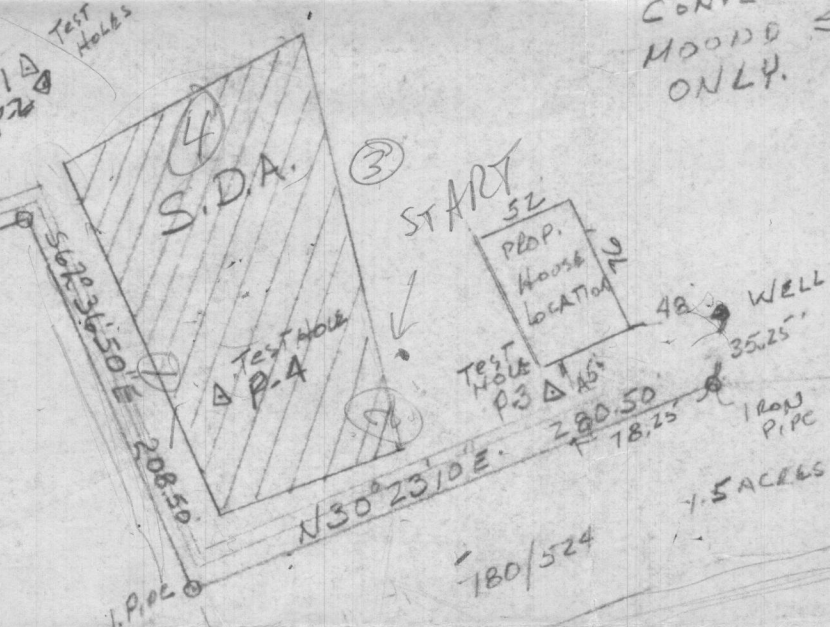
LIBER 470  
Folio 239  
2 1/4 ACRES



LOT #2  
10.2806  
ACRES ±

SPECIAL NOTE:  
S.D.A. FOR LOT #2 IS FOR  
CONVENTIONAL SAND  
MOUND SEWAGE DISPOSAL  
ONLY.

478/579  
3.956 ACRES



DON LYNCH ASSOC., INC.  
4907 HARFORD ROAD  
BALTIMORE, MD. 21214  
SCALE = 1" = 100' DATE: 1/3/88

APPROVED:  
ON SITE PRIVATE WATER  
AND PRIVATE SEWER  
HOWARD COUNTY HEALTH DEPT.  
OF SA *Jorge M. B. [Signature]* 6/12/89  
HOWARD COUNTY HEALTH OFFICE

*Bourabk Meunh*

PERCOLATION CERTIFICATION PLAT				
BOUNDARY SURVEY				
TWO PARCELS OF LAND				
KNOWN AS "HEAD QUARTERS"				
4TH ELECTION DISTRICT HOWARD COUNTY				
TOLERANCES (EXCEPT AS NOTED)	REVISIONS			PLAT TO ACCOMPANY DESCRIPTIONS OF 7.2433 ACRES #10.2806 ACRES PARCELS  DRAWN BY: D.L. SCALE: 1" = 100' MATERIAL: CHK'D: E.B. DATE: 1/3/89 DRAWING NO.: REVISED: 6/12/89
DECIMAL	NO.	DATE	BY	
±	1			
FRACTIONAL	2			
±	3			
ANGULAR	4			
±	5			