



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____ @P 523 269

AGENCY REVIEW: _____ DATE 9/7/05

DO NOT WRITE ABOVE THIS LINE

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S) TO:

CHECK AS NEEDED:

- CONSTRUCT NEW SEPTIC SYSTEM(S)
- REPAIR/ADD TO AN EXISTING SEPTIC SYSTEM
- REPLACE AN EXISTING SEPTIC SYSTEM

CHECK AS NEEDED:

- NEW STRUCTURE(S)
- ADDITION TO AN EXISTING STRUCTURE
- REPLACE AN EXISTING STRUCTURE

CHECK ONE:

- CREATE NEW LOT(S)
- BUILD ON AN EXISTING LOT IN A SUBDIVISION
- BUILD ON AN EXISTING PARCEL OF RECORD

IS THE PROPERTY WITHIN 2500' OF ANY RESERVOIR?

- YES
- NO

THE TYPE OF STRUCTURE IS:

- RESIDENTIAL WITH 4705 PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE (NOTE UNKNOWN IF APPROPRIATE)
- COMMERCIAL (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/ CUSTOMERS ON ACCOMPANYING PLAN)
- INSTITUTIONAL/GOVERNMENT (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/USERS ON ACCOMPANYING PLAN)

PROPERTY OWNER(S) MRS. WILLIAM A. SCHULTE

DAYTIME PHONE 443-367-0422 CELL _____ FAX 443-367-0420

MAILING ADDRESS 5300 VORSEY HALL DR. ELLICOTT CITY, MD 21042
STREET CITY/TOWN STATE ZIP

APPLICANT LAND DESIGN & DEVELOPMENT LLC

DAYTIME PHONE 443-367-0422 CELL _____ FAX 443-367-0420

MAILING ADDRESS 5300 VORSEY HALL DR #102 ELLICOTT CITY, MD 21042
STREET CITY/TOWN STATE ZIP

APPLICANT'S ROLE: DEVELOPER BUILDER BUYER RELATIVE/FRIEND REALTOR CONSULTANT

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME SCHULTE PROPERTY NORTH SIDE LOT NO. 23

PROPERTY ADDRESS 15320 OLD FREDERICK RD WOODBINE MD 21797
STREET AT MORGAN STATION ROAD TOWN/POST OFFICE

TAX MAP PAGE(S) 8 GRID 223 PARCEL(S) 8 & 17 PROPOSED LOT SIZE 40,500 sq ft

AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. AND "MISS UTILITY" REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERC CERTIFICATION PLAN. TEST RESULTS WILL BE MAILED TO APPLICANT.

SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MARYLAND 21043-4544 (410) 313-1771 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

A/P _____

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H

REMARKS _____

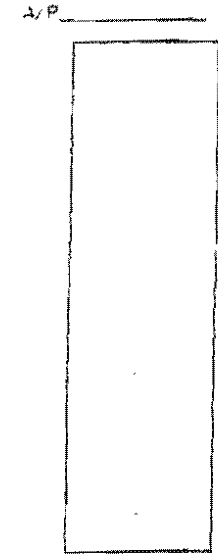
SANITARIAN _____ BACKHOE _____ OTHERS _____

TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE S/W _____

Lot 23

Old Frederick Rd.

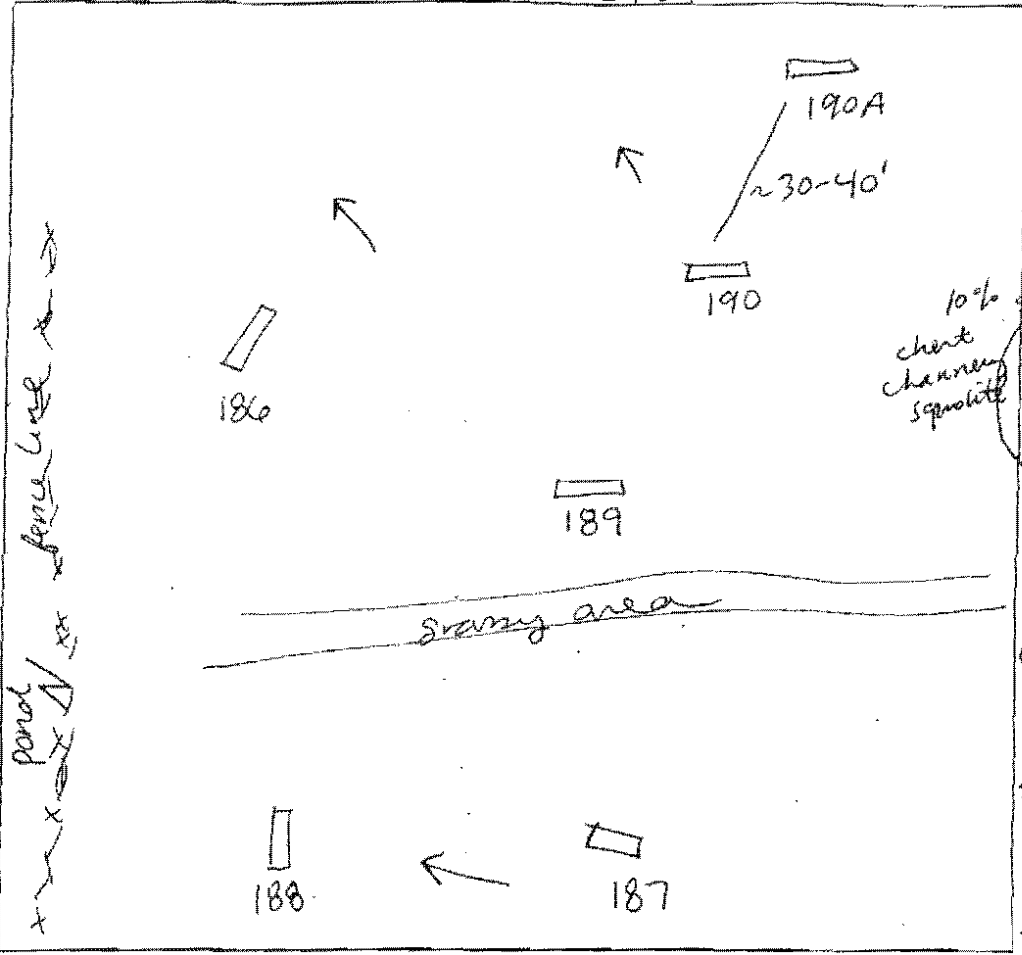


187
brown L
yellow
sil w/ clay skins
bk/sg.
5% chert
channery

3'
reddish yellow
sil sg
slightly moist
micaceous
5'
pale yellow
sil sg
10-15% channery
coarse chert

188
brown L
bk
reddish yellow
sil w/ clay skins
sbk trace rock

2'
brownish yellow
sil sg
10% chert
channery



189
brown L
sbk
reddish yellow
silt/dense
sil
w/ clay skins
sbk
reddish yellow
sil sg
micaceous
brownish
yellow
sil sg

186
brown L
sbk
reddish yellow
silt bk
trace rock
reddish
yellow
sil sg
trace rock
brownish yellow
sil sg
5-10% chert

190
brown L sbk
reddish
yellow
w/ pink
silt sbk
light red
sil sg
slightly moist
micaceous
5% chert
reddish yellow
w/ light red
sil sg
10% chert
channery

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
11/16/05	187	5'5" / 13'	9:54 ²⁴	10:02 ⁰⁸	10:06 ²¹	4	P
	188	5' / 12'	10:08 ²⁴	10:12	10:19	7	P
	189	5' / 13'	10:12 ⁵⁹	10:16 ⁵⁵	10:23 ¹⁹	7	P
	186	5' / 13'	10:21 ³²	10:23 ²⁷	10:26 ⁴¹	3	P
	190	5' / 12'	10:28 ¹⁷	10:30 ³⁵	10:33	3	P
	190A	13'5"			visual		VP

REMARKS 190A alternate hole to make up for #194 being in oval. Holes dug per plan and staked by surveyors

SANITARIAN SF BACKHOE M. Johnson (AEC) OTHERS K. Webster

TEST HOLES USED IN SDA _____ AVG. PERC TIME 5 SQ. FT/BR _____

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE S/W _____

Old Frederick ✓

Lot 24
190A

1' reddish yellow silt bk

2' brownish yellow w/light red micaceous sil sg

8' brownish yellow sil 5-10% chert channery

192

9' brown L bk

reddish yellow silt bk

3' brownish yellow dense sil sg micaceous

yellow sil sg

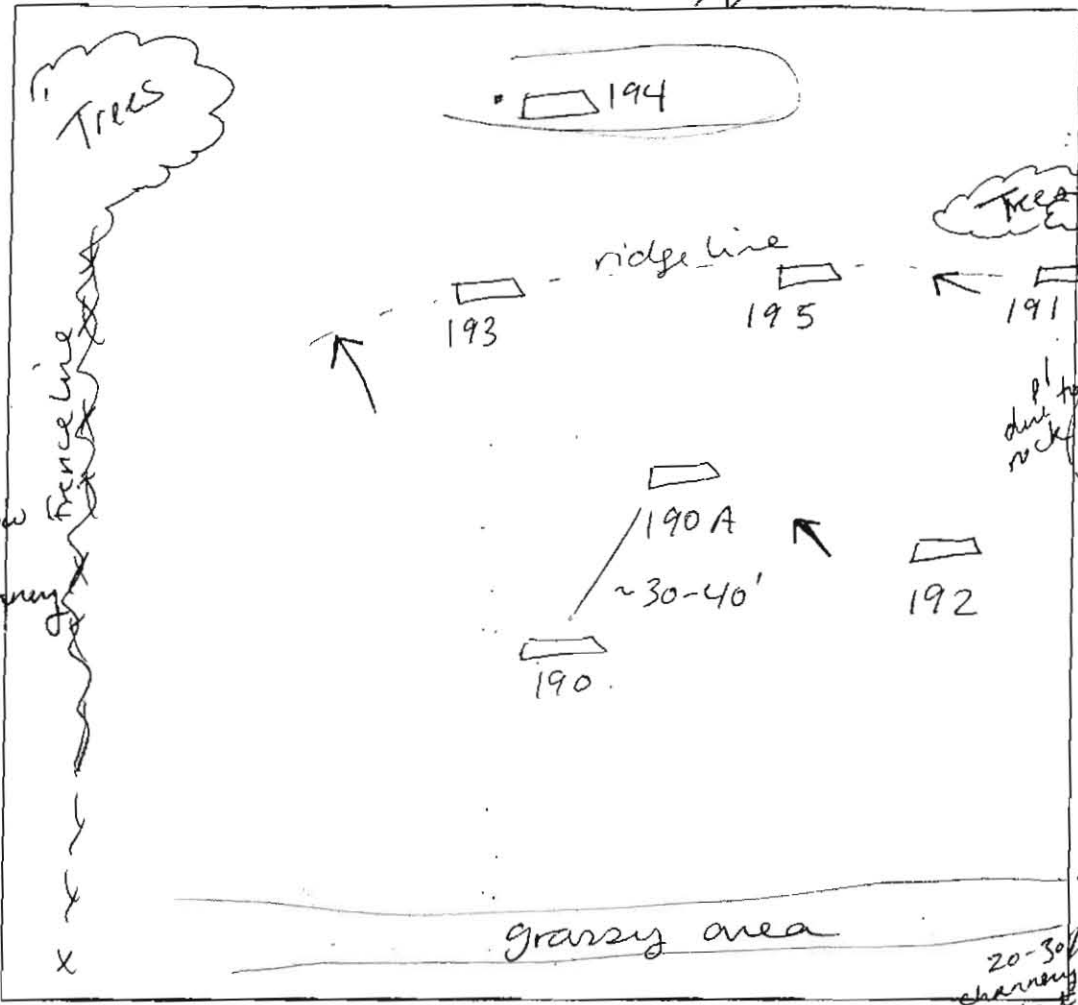
191

brownish yellow L

reddish yellow silt bk 5% chert

2' brownish yellow sil sg micaceous

yellow sil 5-10% chert/channery



195

brown L sbk

reddish yellow silt bk 5-10% chert/channery

reddish yellow w/light red sil sg micaceous

brownish yellow sil sg 10-15% chert/coarse chert channery

193

brown L sbk

strong brown silt → dense sil micaceous

4' brownish yellow sil sg

pl due to rock

HB

194

brown L

brownish yellow silt/cl 2" ribbon m

light brown sil sg micaceous moist cave in

top H₂O @ bottom water gray silt

DATE	TEST #	DEPTH	START	BREAK 1" DRDP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
11/16/05	192	5' / 13'	10:41 ⁴⁸	10:44 ¹⁴	10:47 ²⁰	3	P
Jan 200A	191	4' / 13'	10:50 ⁰⁰	10:54 ⁵⁶	11:03	9	P
	195	4' / 12'	10:58 ²⁶	11:03 ¹⁰	11:11 ⁰³	8	P
	193	4' / 8'5"	11:08 ⁰⁵	11:12"	11:19	7	P
	194	14'	located in swale visual		clay + water		VF
	190A	13'5"					VP

REMARKS #190A is alternate hole for #194 due to it being located in swale. Holes dug per plan and staked by surveyors

SANITARIAN SF BACKHOE M. Johnson (AEC) OTHERS R. Webster

TEST HOLES USED IN SDA _____ AVG. PERC TIME 7 _____ SQ. FT/BR _____

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE S/W _____



Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045

Main: 410-313-2640 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

www.hchealth.org

Facebook: www.facebook.com/hocohealth

Twitter: HowardCoHealthDep

Maura J. Rossman, M.D., Health Officer

SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

Address: _____

Subdivision: Fairlane Farm Lot: 23

Initial system: Application rate: 0.8 Effective area beginning depth: 3 Bottom maximum depth: 8

1st Replacement: Application rate: 0.8 Effective area beginning depth: 3 Bottom maximum depth: 8

2nd Replacement: Application rate: 0.8 Effective area beginning depth: 4 Bottom maximum depth: 4.5

Design Flow = 150 gallons per day per bedroom

Design flow ÷ application rate = square footage of drainfield required

Linear length of trench required = drainfield square footage x sidewall reduction percentage ÷ trench width

Sidewall reduction credit formula:

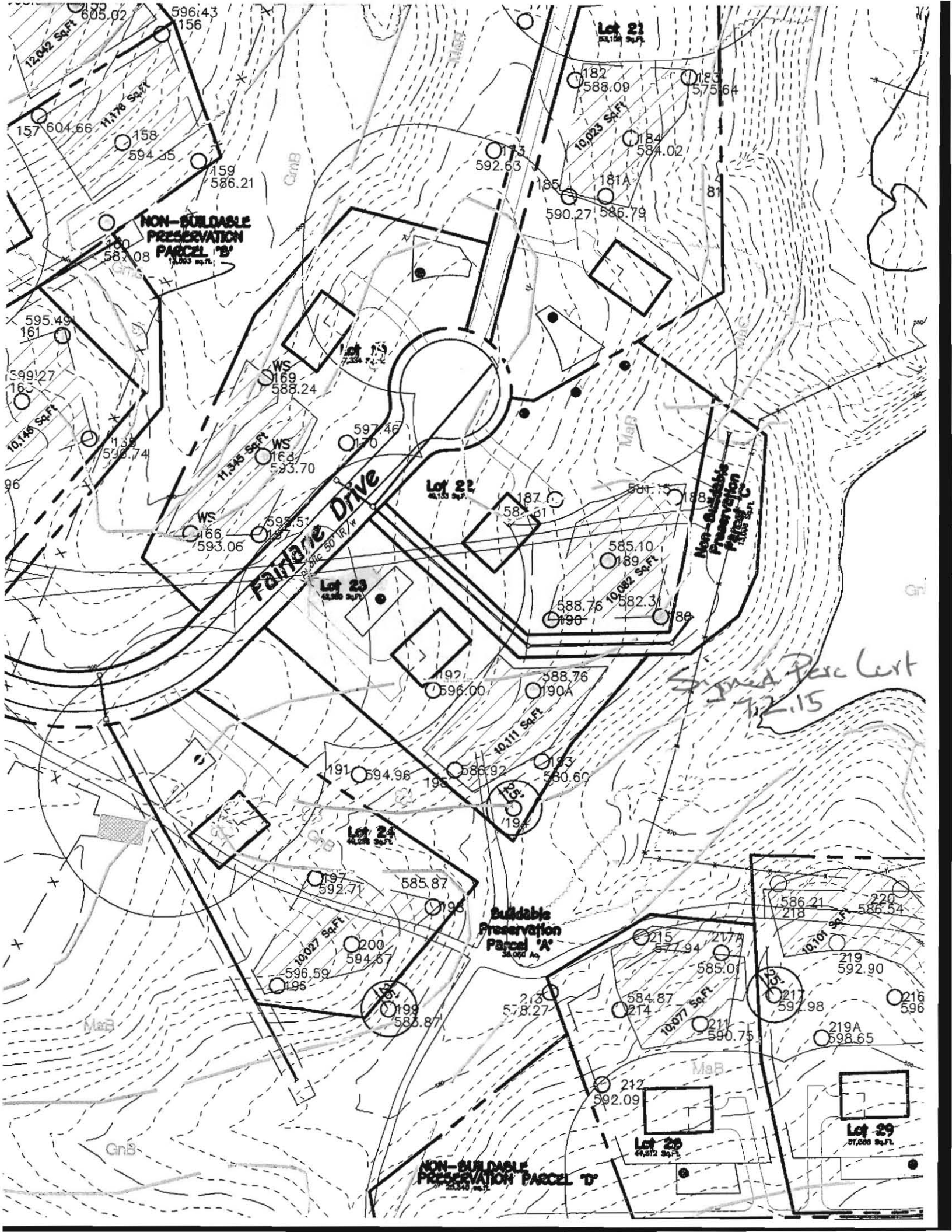
$\frac{W + 2}{W + 1 + 2D} \times 100 =$ Percent of length of standard trench where W=trench width and D= depth between effective area beginning depth and trench bottom.

Standard design requirements:

- All trenches must be equal length unless low pressure dosed
- All trenches must be on contour
- Minimum trench spacing: 10' for all trenches utilizing sidewall reduction credit. Additional spacing may be necessary for any trench using over 3.5' of effective sidewall. In those cases, the spacing formula is 2D +W up to a maximum spacing of 18'.
- Minimum trench spacing for trenches with no sidewall credit (bottom area only) is 6' for a 2' wide trench and 9' for a 3' wide trench (spacing is measured edge to edge)
- Maximum trench length is 100'
- Maximum pipe depth is 4'

Additional requirements:

Approved: Hank Oswald Date: 12/14/17



NON-BUILDABLE PRESERVATION PARCEL 'B'
1,000 sq. ft.

Lot 21
23,124 sq. ft.

Lot 22
41,733 sq. ft.

Lot 23
2,711 sq. ft.

Lot 24
4,224 sq. ft.

Buildable Preservation Parcel 'A'
34,099 sq. ft.

Lot 26
44,512 sq. ft.

Lot 29
27,000 sq. ft.

Fairlane Drive

SIGNED PERCENT 7-2-15

12,042 Sq. Ft.
605.02
157 604.66
11,176 Sq. Ft.
158 594.35
159 586.21
596.43
156

182 588.09
183 575.64
10,023 Sq. Ft.
184 584.02
185 590.27
181A 586.79
81

595.49
161
599.27
162
10,148 Sq. Ft.
163 592.74
96
166 593.06
169 588.24
170 597.46
173 592.63
174 593.70
170

187 587.61
581
188 585.10
189 582.31
10,092 Sq. Ft.
190 588.76
86

197 596.00
190A 588.76
10,111 Sq. Ft.
193 580.60
191 594.96
195 586.92
192 596.00
194 586.60

197 592.71
585.87
198 586.87
10,027 Sq. Ft.
196 596.59
199 586.87
200 594.67
199A 598.65

215 577.94
217A 585.01
10,101 Sq. Ft.
219 592.90
216 596
217 592.98
219A 598.65
212 592.09
10,077 Sq. Ft.
211 590.75
214 584.87

586.21
218 586.54
220 586.54
218

NON-BUILDABLE PRESERVATION PARCEL 'D'
2,540 sq. ft.