SOIL/SITE EVALUATION

(Continuation Sheet)

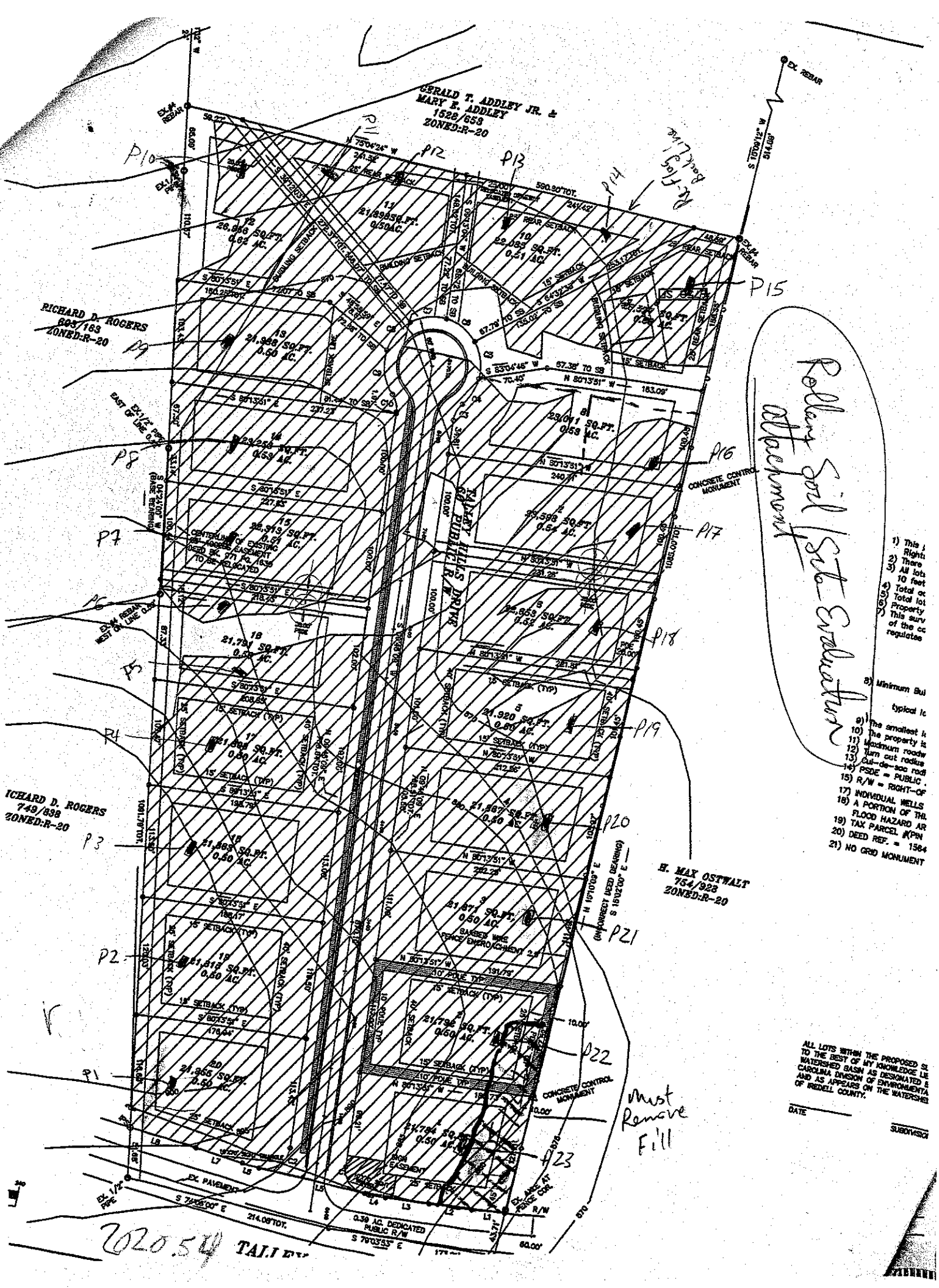
Sheet ____

...ENT OF ENVIRONMENT
...TURAL RESOURCES
...N OF ENVIRONMENTAL HEALTH

PROPERTY ID #: _____
DATE OF EVALUATION: _____
COUNTY: _____

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
P5	H/0-6	0-20	B/R cl fwsbk	Fr SS SP SEXP	deposition	58"	PS	N/A	PS-60 0.25
		20-30	Bsl-scl gr-wfsbk	Fr SS SP SEXP					
		30-52	R cl fwsbk	Fr S P SEXP	vfw sap incl				
		52-64	BR "1" sap	Fr SS SP SEXP					
P6	L/0-15	0-20	R c mAbk/sbk	Fr SS P SEXP	vfsap incl	47"	PS	N/A	PS-60 0.3
		20-47	RB cl fsbk/abk	Fr SS SP SEXP	few-comm sap incl				
		47-60	Vers. "1" sap	Fr SS SP SEXP					
P7	L/5-10	0-6	B sl. wfsbk	Fr SS SP SEXP	few carb. deposits comm sap incl.	50"	N/A	N/A	PS-50 0.3
		6-36	RB c mAbk/sbk	Fr SS P SEXP					
		36-50	R cl fw sbk	Fr SS SP SEXP					
P8	L/6-12	0-24	R c f Abk	Fr S P SEXP	comm FB mots (15-24") v pass plow comm sap incl.	50"	N/A	N/A	PS-50 0.275
		24-50	R SC fw sbk/Abk	Fr SS SP SEXP					
P9	L/0-5	0-27	BR C mAbk/sbk	Fr SS P SEXP	comm sap incl	57"	N/A	N/A	PS-57 0.3
		27-57	R cl wfsbk	Fr SS SP SEXP					

COMMENTS: * Ashley Rollins


GERALD T. ADDLEY JR. &
MARY F. ADDLEY
1522/653
ZONED:R-20
RICHARD D. ROGERS
803/163
ZONED:R-20
RICHARD D. ROGERS
749/838
ZONED:R-20
H. MAX OSTWALT
754/923
ZONED:R-20
EX. REBAR
EX. PK NAIL
EX. 1/2" PIPE
EX. PAVEMENT
EX. ASPHALT DRIVE
EX. POWER POLE
EX. GUY WIRE
EX. FENCE COR.
EX. ANGLE IRON
EX. CONCRETE MONUMENT
CONCRETE CONTROL MONUMENT
PROPOSED 50' PUBLIC R/W
PROPOSED 40' PUBLIC R/W
PROPOSED 20' PUBLIC R/W
PROPOSED 10' PUBLIC R/W
PROPOSED 40' PUBLIC R/W CUL-DE-SAC
PROPOSED 20' PUBLIC R/W CUL-DE-SAC
0.39 AC. DEDICATED PUBLIC R/W
CENTERLINE OF EXISTING 30' INGRESS, EGRESS & UTILITY EASEMENT DEED BK. 311, PG. 1639 TO BE RELOCATED
BARBED WIRE FENCE ENCROACHMENT
BUILDING SETBACK
REAR SETBACK
SIDE SETBACK
FRONT SETBACK
15' SETBACK (TYP)
10' POLE TYP
N 75°04'24" W 241.32'
S 10°09'12" W 514.08'
590.90' TOT.
S 80°13'51" E 271.25'
N 80°13'51" W 163.09'
N 80°13'51" W 240.71'
S 80°13'51" E 227.55'
N 80°13'51" W 281.25'
S 80°13'51" E 208.88'
N 80°13'51" W 412.56'
S 80°13'51" E 198.79'
N 80°13'51" W 280.28'
S 80°13'51" E 198.47'
N 80°13'51" W 191.75'
S 80°13'51" E 178.44'
N 80°13'51" W 170.00'
S 79°03'55" E 214.08' TOT.
S 79°46'00" E 214.08' TOT.
S 83°04'45" W 57.38' TO SB
S 54°43'28" W 135.02' TO SB
S 10°09'12" W 514.08'
N 10°10'00" E (INCORRECT DEED BEARING)
S 183°200' E
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
P23
Rock Cliff
Must Remove Fill
Robert Soil Site Evaluation Attachment
1) This
Right
2) There
3) All lots
10 feet
4) Total ar
5) Total lot
6) Property
7) This surv
of the cc
regulatee
8) Minimum Bui
typical lo
9) The smallest l
10) The property is
11) Maximum roadw
12) Turn out radius
13) Cul-de-sac radi
14) PSDE = PUBLIC
15) R/W = RIGHT-OF
17) INDIVIDUAL WELLS
18) A PORTION OF THI
FLOOD HAZARD AR
19) TAX PARCEL #(PIN
20) DEED REF. = 1564
21) NO GRID MONUMENT
ALL LOTS WITHIN THE PROPOSED SU
TO THE BEST OF MY KNOWLEDGE LIE
WATERSHED BASIN AS DESIGNATED B
CAROLINA DIVISION OF ENVIRONMENTA
AND AS APPEARS ON THE WATERSHE
OF IREDELL COUNTY.
DATE
SUBDIVISI
2020.54
TAIL

DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES

DIVISION OF ENVIRONMENTAL HEALTH

ON-SITE WASTEWATER SECTION

SHEET: 1 of 2

PERMIT #:

PROPERTY ID #:

COUNTY: Iredell

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

OWNER/APPLICANT: McAdams Prop

ADDRESS:

APPLICATION DATE:

PROPOSED FACILITY: 3BR SFD PROPOSED DESIGN FLOW (.1949): 360 GPD

DATE EVALUATED: 8-22-06

LOCATION OF SITE: LOT #12 TALLEY RIDGE S/D

PROPERTY SIZE:

PROPERTY RECORDED:

WATER SUPPLY: ☒ Private ☐ Public ☒ Well ☐ Spring ☐ Other

EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut

TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LSCP PSTN/ SLOPE %	HORIZ DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	L ~6%	0-3	1, M, sbk, C	Fr, SP, SEXP	N/A	48"	N/A	>48"	PS 0.275
		3-25	2/1, M, sbk, C	Fr, SP, SEXP					
		25-48	1, M, sbk, C w/ SAP INCLUS. (<50% SAP)						
2	L ~6%	0-3	1, F, Gr, SCL	Fr, NP, SEXP	N/A	~43"	N/A	>48"	PS 0.275
		3-17	2, M, sbk, C	Fr, SP, SEXP					
		17-36	1, M, sbk, C w/ SAP INCLUS. (<50% SAP)						
		36-43	C + SAP Mix (<50% SAP)						
		43-48	SAP						
3									
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	~660	~660
System Type(s)	Pump, 50% Red.	Pump, 50% Red.
Site LTAR	0.275	0.275

OTHER FACTORS (.1946):

SITE CLASSIFICATION (.1948): PS

EVALUATED BY: P. Mitchell

OTHER(S) PRESENT:

COMMENTS:

(PAGE 2 ON REAR)

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*
CC (Concave Slope)	I	S (Sand)	1.2 - 0.8	0.6 - 0.4
CV (Convex Slope)		LS (Loamy Sand)		
D (Drainage Way)				
DS (Debris Slump)	II	SL (Sandy Loam)	0.8 - 0.6	0.4 - 0.3
FP (Flood Plain)		L (Loam)		
FS (Foot Slope)				
H (Head Slope)	III	Si (Silt)	0.6 - 0.3	0.3 - 0.15
L (Linear Slope)		SiCL (Silty Clay Loam)		
N (Nose Slope)		CL (Clay Loam)		
R (Ridge)		SCL (Sandy Clay Loam)		
S (Shoulder Slope)		SiL (Silt Loam)		
T (Terrace)				
	IV	C (Clay)	0.4 - 0.1	0.2 - 0.05
		SC (Sandy Clay)		
		SiC (Silty Clay)		
		O (Organic)	None	None

MINERALOGY/ CONSISTENCE
NEXP (Non-expansive)
SEXP (Slightly Expansive)
EXP (Expansive)

MOIST
VFR (Very Friable)
FR (Friable)
FI (Firm)
VFI (Very Firm)
EFI (Extremely Firm)

WET
NS (Non Sticky)
SS (Slightly Sticky)
MS (Mod. Sticky)
VS (Very Sticky)

NP (Non Plastic)
SP (Slightly Plastic)
MP (Mod. Plastic)
VP (Very Plastic)

STRUCTURE TYPE
G (Single Grain) [*Structureless*]
M (Massive) [*Structureless*]
CR (Crumb)
GR (Granular)
SBK (Subangular Blocky)
ABK (Angular Blocky)
PL (Platy)
PR (Prismatic)
COL (Columnar)
CMPD (Compound) [___ parting to ___]

STRUCTURE GRADE
0 (Strucutreless)
1 (Weak)
2 (Moderate)
3 (Strong)

STRUCTURE CLASS
VF (Very Fine)
F (Fine)
M (Medium)
C (Coarse)
VC (Very Coarse)

***Adjust LTAR due to depth, consistence, structure, soil wetness, landscape position, wastewater flow and quality.**

NOTES

HORIZON DEPTH	In inches below natural soil surface
DEPTH OF FILL	In inches from land surface
RESTRICTIVE HORIZON	Thickness and depth from land surface
SAPROLITE	S(suitable) or U(unsuitable)
SOIL WETNESS	Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation
CLASSIFICATION	S (Suitable), PS (Provisionally Suitable), or U (Unsuitable)

*** Evaluation of saprolite shall be by pits.**

Long-term Acceptance Rate (LTAR): gal/day/ft^2

Show profile locations and other site features (dimensions, reference or benchmark, and North).

