SOIL/SITE EVALUATION

(Continuation Sheet)

Sheet ____

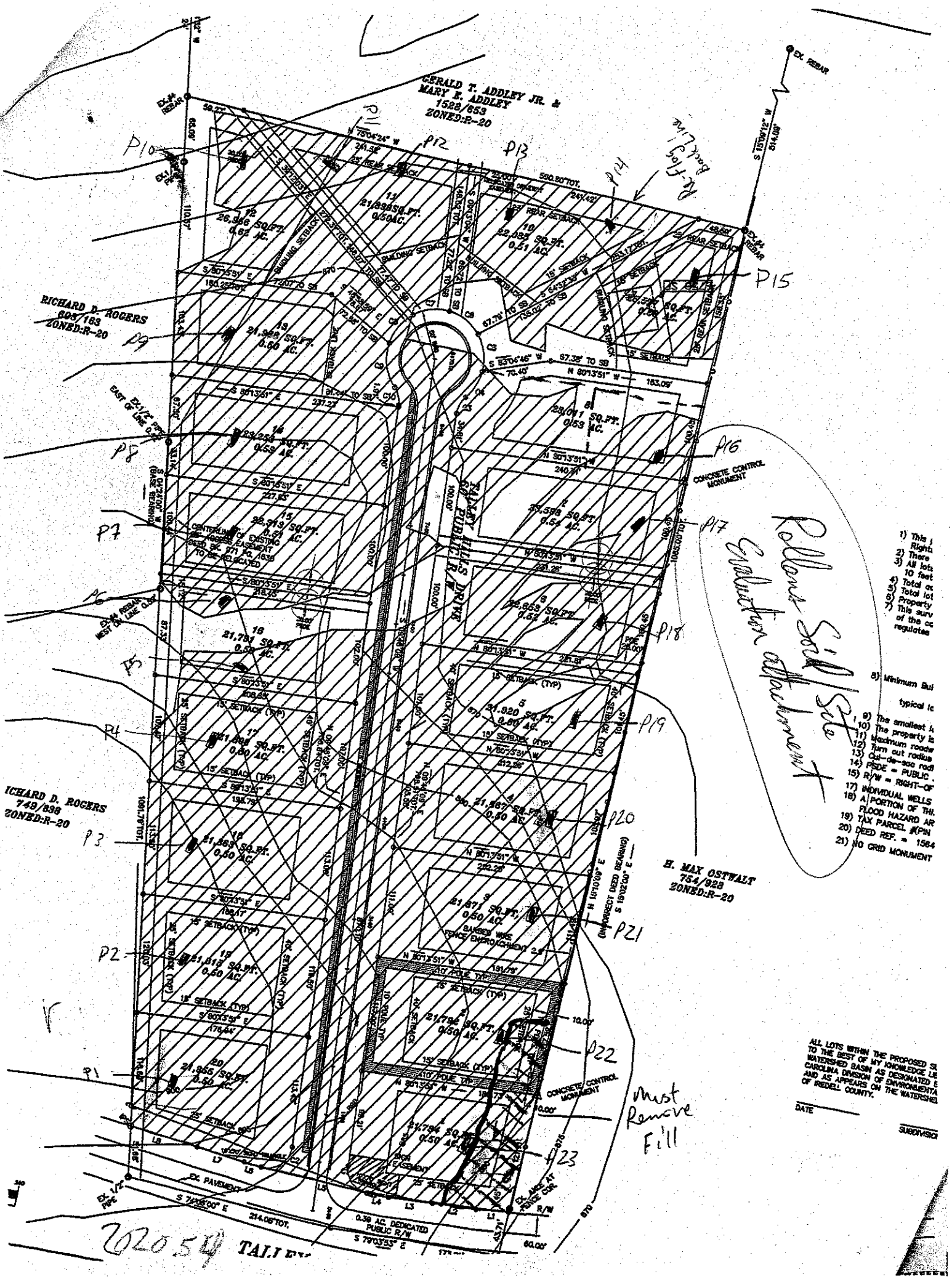
NT OF ENVIRONMENT
URAL RESOURCES
N OF ENVIRONMENTAL HEALTH

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

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS & LTAR
P5	H/0-6	0-20	B/R cl fwsbk	Fr SS SP SEXP	deposition	52"	PS	N/A	PS-60 0.25
		20-30	Bsl-scl sr-wfsbk	Fr SS SP SEXP					
		30-52	R cl fwsbk	Fr S P SEXP	vfew 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	Verig. "1" sap	Fr SS SP SEXP					
P7	L/5-10	0-6	B sl wfsbk	Fr SS SP SEXP		50"	N/A	N/A	PS-50 0.3
		6-36	RBC mAbk/sbk	Fr SS P SEXP	few carb. deposits				
		36-50	R cl fw sbk	Fr SS SP SEXP	comm sap incl.				
P8	L/6-12	0-24	R c f Abk	Fr S P SEXP	comm YB motts (15-24") w pass plow	50"	N/A	N/A	PS-50 0.275
		24-50	R SC fwsbk/Abk	Fr SS SP SEXP	comm sap incl.				
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 E. ADDLEY
1528/653
ZONED:R-20
RICHARD D. ROGERS
606/163
ZONED:R-20
RICHARD D. ROGERS
749/838
ZONED:R-20
H. MAX OSTWALT
754/928
ZONED:R-20
EX. REBAR
EX. PAVEMENT
CONCRETE CONTROL MONUMENT
BARBED WIRE FENCE ENCROACHMENT 2.4'
0.39 AC. DEDICATED PUBLIC R/W
S 79°03'55" E 60.00'
214.05'TOT.
S 75°04'24" W 241.56'
S 15°09'12" W 814.09'
N 75°04'24" E 330.92'TOT.
N 15°09'12" E 814.09'
Rollins Soil Site Evaluation attachment
Must Remove Fill
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: Medallion Prop
ADDRESS:
PROPOSED FACILITY: 3BR SFD PROPOSED DESIGN FLOW (.1949): 360 GPD
LOCATION OF SITE: LOT #13 TAUSEL RIDGE S/D
WATER SUPPLY: ☒ Private ☐ Public ☒ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

APPLICATION DATE:
DATE EVALUATED: 8-22-06
PROPERTY SIZE:
PROPERTY RECORDED:

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 ~7%	0-4	1, M, SBK, C	Fr, SP, SEXP	N/A	>48"	N/A	>48"	PS 0.275
		4-27	2/1, M, SBK, C	Fr, SP, SEXP					
		27-48	1, M, SBK, C w/ SAP INCLUS, (<50% SAP)						
2	L ~6%	0-3	1, Gr, SL	VFr, NP, NEXP	N/A	48"	N/A	>48"	PS 0.275
		3-17	2/1, M, SBK, C	Fr, SP, SEXP					
		17-24	1, M, SBK, C w/ SAP INCLUS, (<50% SAP)						
		24-48	CL & SAP MIX	(<50% SAP)					
3									
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	~660	~660
System Type(s)	Pump, 50% Redu	Pump, 50% Redu
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).

