Project #:
Property ID #:
County: Iredell

SOIL/SITE EVALUATION

Sheet:
Date Evaluated: 11/26/12

Owner or Client: Crescent Resources
Proposed Facility: House Design Flow: 480
Location of Site: Hermance Rd Tract 3482.03
Soil Described By: KMS Others Present:
Antecedent Moisture: Dry Weather: 56°F Sunny

Property Size: 2.23 Ac
Site LTAR: Int. 0.3 Rep. 0.3
Site Classification: RS

Water Supply: [ ] Public [ ] Community [X] On-Site Well [ ] Spring [ ] Other
Evaluation Method: [X] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [X] Sewage [ ] Industrial Process [ ] Mixed

PROFILE #	Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY: Structure/ Texture	SOIL MORPHOLOGY: Consistence Mineralogy	PROFILE FACTORS: Inclusions	PROFILE FACTORS: Matrix Color	PROFILE FACTORS: Mottles	PROFILE FACTORS: Profile Notes (Restr Horiz, Soil Depth, Coarse Frag, etc..)	Profile Class & LTAR
1	L	0-4	Mo GR SL	FR NS/NP		Lt Br			0.3
		4-18	Mo SBK C	FR SS/SP	F Sap	Red			
		18-35	WK SBK CL	FR SS/SP	C Sap	R Br			
		35-54	~~WK SBK CL~~ MA SL SAP	FR SS/SP	~~FC Sap~~	R Br		C Mica	
2	L 25%	0-4	Mo GR SL	FR NS/NP		Lt Br			0.3
		4-23	Mo SBK C	FR SS/SP		Red			
		23-37	WK SBK CL	FR SS/SP	FC Sap	Red			
		37-50	MA L Sap	FR SS/SP		R Yel			
3	L	0-4	WK SBK SCL	FR SS/SP		Br			0.3
		4-27	WK SBK C/CL	FR SS/SP	F/C Sap	Red		F/C Mica	
		27-48	MA L Sap	FR SS/SP		Br			
4	L	0-4	Mo GR SL	FR NS/NP		Br			0.3
		4-26	Mo SBK C	FR SS/SP		Red		F Mica	
		26-45	WK SBK CL	FR SS/SP	C Sap	Red		F Mica	
		45-48	MA L Sap	FR SS/SP		Br		C Mica	
5									
6									

COMMENTS: Pits dug in location of auger borings to evaluate Saprolite

gm ICHD

Approved ICHD 12-27-12

On-site Wastewater Section

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Lot #:
File #:
AppID:

Owner:
Address:
Proposed Facility: Design Flow (.1949)
Location of Site: Lot 4

Applicant:
Date Evaluated:
Property Size:
Property Recorded:

Water Supply: [ ] Public [ ] Individual [ ] Well [ ] Spring [ ] Other
Evaluation Method: [ ] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [ ] Sewage [ ] Industrial Process [ ] Mixed

PROFILE #	.1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY .1941 .1941 Structure/ Texture	.1941 Consistence Mineralogy	b. PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR
A1	L	0-3	MoGRSL	FR NS/NP	Br				0.3
		3-27	MoSBKC	FR SS/SP	R; F Sap				
		27-43	WkSBKCL	FR SS/SP	R; C Sap				
		43-48	MA L Sap	FR SS/SP	Multi				
B1	L	0-3	MoGRSL	FR NS/NP	Br				0.3
		3-28	MoSBKC	FR SS/SP	Red; F Sap				
		28-46	WkSBKCL	FR SS/SP	Red; C Sap				
		46-64	MA L Sap	FR SS/SP	Multi				

Description	Initial System	Repair System
Available Space (.1945)		
System Type(s)		
Site LTAR		

Other Factors (.1946):
Soil Evaluation By:
Others Present:
Site Classification (.1948):
Site Evaluation By:
Others Present:

On-site Wastewater Section

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Lot #:
File #:
AppID:

Owner:
Address:
Proposed Facility: Design Flow (.1949)
Location of Site: Lot 5

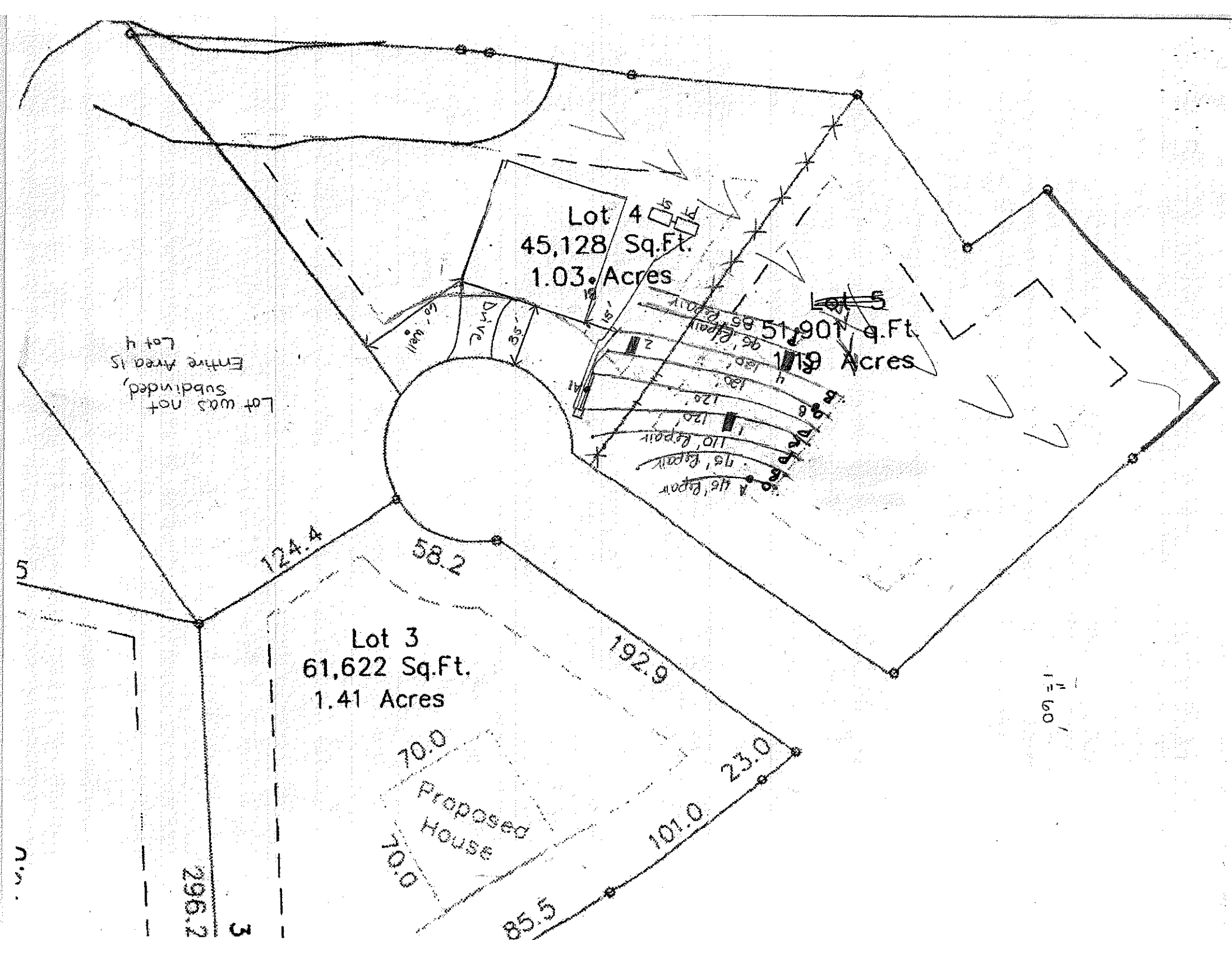
Applicant:
Date Evaluated:
Property Size:
Property Recorded:

Water Supply: [ ] Public [ ] Individual [ ] Well [ ] Spring [ ] Other
Evaluation Method: [ ] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [ ] Sewage [ ] Industrial Process [ ] Mixed

PROFILE #	1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY 1941 Structure/ Texture	1941 Consistence Mineralogy	PROFILE FACTORS 1942 Soil Wetness/ Color	1943 Soil Depth (IN.)	1956 Sapro Class	1944 Restr Horiz	Profile Class & LTAR
A	L	0-16	Mo GR SL	FR NS/NP	Dk Br/Br				0.25
		16-20	WK SBK SCL	FR SS/SP	L+R				
		20-37	Mo SBK SC	FR SS/SP	R				
		37-49	WK SBK SC	FR SS/SP	R yel; C yel Br				
B	L 25%	0-21	Mo GR SL	FR NS/NP	Br				0.25
		21-33	Mo SBK SC	FR SS/SP	R yel; F yel Br				
		33-48	WK SBK SC	FR SS/SP	R yel; F yel Br				

Description	Initial System	Repair System
Available Space (.1945)		
System Type(s)		
Site LTAR		

Other Factors (.1946):
Soil Evaluation By:
Others Present:
Site Classification (.1948):
Site Evaluation By:
Others Present:


Lot 4
45,128 Sq.Ft.
1.03 Acres
Lot 5
51,901 Sq.Ft.
1.19 Acres
Lot 3
61,622 Sq.Ft.
1.41 Acres
Proposed House
Drive
35'
15'
124.4
58.2
192.9
70.0
70.0
23.0
101.0
85.5
296.2
Lot was not Subdivided, Entire Area is Lot 4