

APPROVED DEC 17 2015

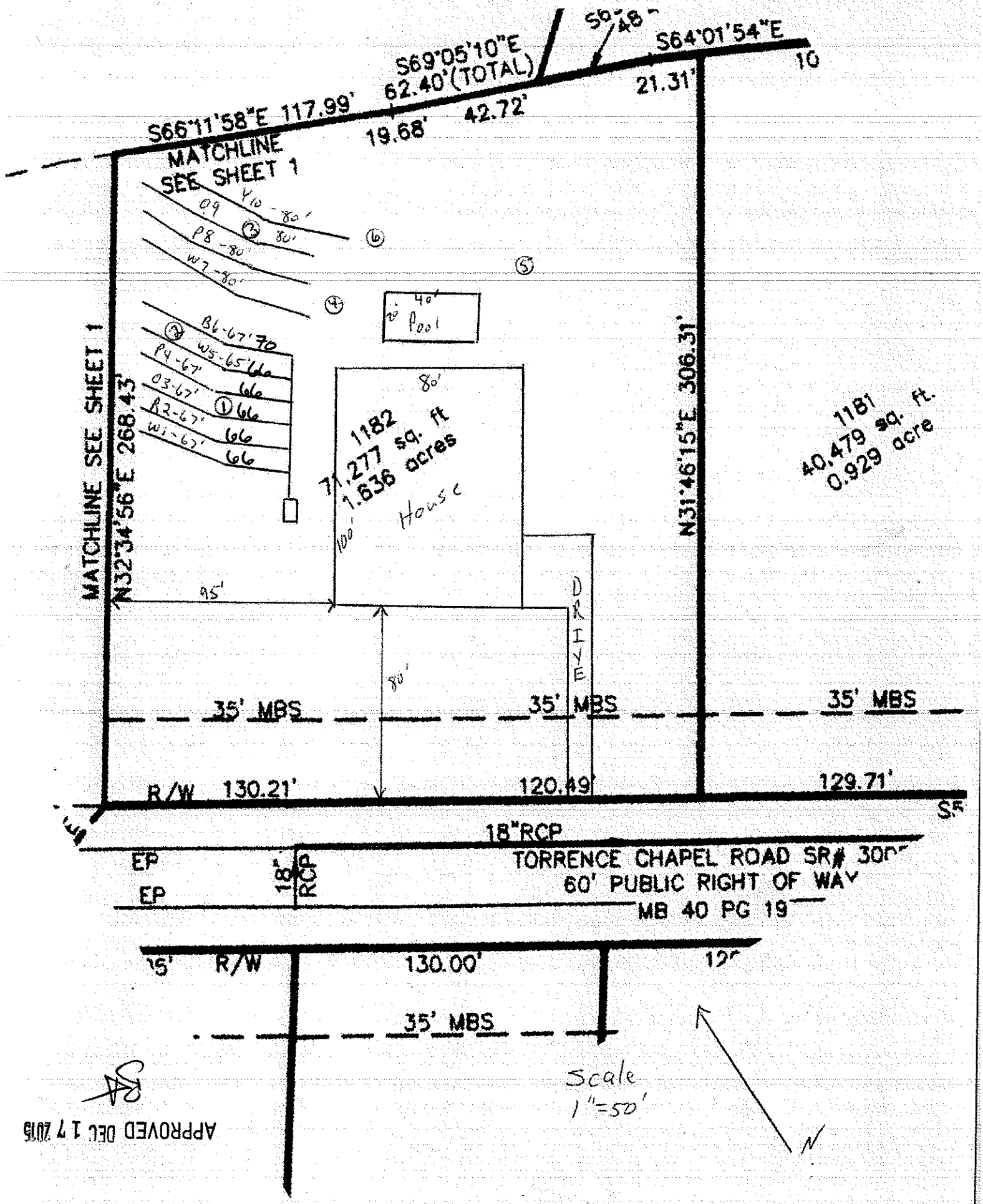
MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
561 Ennis Rd.
Weddington, NC 28173
(704) 576-3887

Reference: Data Sheet for The Point Lot 1182, Torrence Chapel Rd.
House Footprint: 80' x 100'
Building Setbacks: 35' front/rear, 15' side
Water Source: Community well
Number of Bedrooms: 4/480 GPD
Proposed LTAR: 0.3 GPD/FT2 (initial), 0.25 GPD/FT2 (repair)
Proposed System Type: 25% Reduction
Proposed Repair System Type: PPBPS
Distribution: Gravity-End cap/drop boxes
Septic Tank Size: 1500 gallons
Proposed Trench Bottom: 36" maximum

Line	Design Length	Actual Length
White 1	**67'**	**68'**
Red 2	**67'**	**68'**
Orange 3	**67'**	**70'**
Pink 4	**67'**	**70'**
White 5	**65'**	**65'**
Blue 6	**67'**	**74'**
White 7		80'
Pink 8		80'
Orange 9		80'
Yellow 10		80'

Initial System: 400' **Repair System:** 320'

Comments:
The purpose of this design is to change the number of bedrooms from 5 to 4 and to a pool location.



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DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

PROPERTY ID #: 4624487064
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

APPROVED APR 15 2015

OWNER: ARH Models LLC
ADDRESS: 13922 58 Street North, Clearwater, FL 29715
PROPOSED FACILITY: 4-Bedroom Residence PROPOSED DESIGN FLOW (.1949): 480 GPD
LOCATION OF SITE: Lot 1182; The Point Subdivision; Torrence Chapel Road
WATER SUPPLY: ☐Private ☒ Public ☐ Well ☐ Spring ☐ Other
EVALUATION METHOD: x Auger Boring ☐ Pit ☐ Cut

APPLICATION DATE:
DATE EVALUATED: 3/3/2015
PROPERTY SIZE: 1.64 Acres
PROPERTY RECORDED: 12/15/2014
TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON 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
AB 1	L 3-4%	0"-10"	Br R CL WSBK	SS SP FR SEXP		48"	Few to common Saporlite inclusions @ 30"-48"	None	.3
		10"-30"	R C SBK	SS SP FR SEXP					
		30"-48"	R CL WSBK	SS SP FR SEXP					
AB 2	L 3-4%	0"-12"	Br R CL WSBK	SS SP FR SEXP		48"	Few to common Saporlite inclusions @ 40"-48"	None	.3
		12"-36"	R C SBK	SS SP FR SEXP					
		36"-48"	R CL WSBK	SS SP FR SEXP					
AB 3	L 3-4%	0"-5"	Br CL WSBK	SS SP FR SEXP		48"	Few to common Saporlite inclusions @ 38"-48"	None	.3
		5"-38"	R C SBK	SS SP FR SEXP					
		38"-48"	R CL WSBK	SS SP FR SEXP					
AB 4	L 3-4%	0"-12"	Br SCL WSBK	SS SP FR SEXP		48"	Few to common Saporlite inclusions @ 40"-48" 24-30" MA 4-16-15	None	.3
		12"-30"	R CL WSBK	SS SP FR SEXP					
		30"-48"	Ver. SL Saporlite M	SS SP FR SEXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	1800 FT2	1038 FT2
System Type(s)	25% Reduction	PPBPS
Site LTAR	.25	.3

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948):
EVALUATED BY: Michael Athanas and Associates
OTHER(S) PRESENT:

COMMENTS

SOIL/SITE EVALUATION

(Continuation Sheet)

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DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: 4624487064
DATE OF EVALUATION: 3/5/2015
COUNTY: Iredell

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	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
AB 5	L 3-4%	0"-8"	Br CL WSBK	SS SP FR SEXP	YBrs @ 25" Chr. 2 @ 30"	30"		None	.25
		8"-30"	R C SBK	SS SP FR SEXP					
AB 6	L 3-4%	0"-32"	R C SBK	SS SP FR SEXP	YBrs @ 18"-27" No YBrs from 27"-48"	48"		None	.25
		32"-48"	R CL WSBK	SS SP FR SEXP					

COMMENTS:

DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Sheet _1_ *of* _1_
PROPERTY ID #: _____
COUNTY: _Iredell_____

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

APPROVED DEC 17 2015
RA

OWNER: _Authur Rutenburg_**(Additional Pit Description)**_____ APPLICATION DATE_____
ADDRESS:_____ DATE EVALUATED: _____
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____ PROPERTY SIZE: _____
LOCATION OF SITE: Lot 1182 Point, Torrence Chapel _____PROPERTY RECO
WATER SUPPLY: ☐ Private ☐ Public ☐ 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	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
P 1	LS 3%	0-9	BR CL WSBK	FR SS/SP SEXP	F-C SAP INCL.	50"	N/A	N/A	PS .3
		9-30	R C SBK	FR SS/SP SEXP					
		30-50	R CL WSBK	FR SS/SP SEXP					
			Pit1 is 8' from AB # 4						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)		
System Type(s)		
Site LTAR		

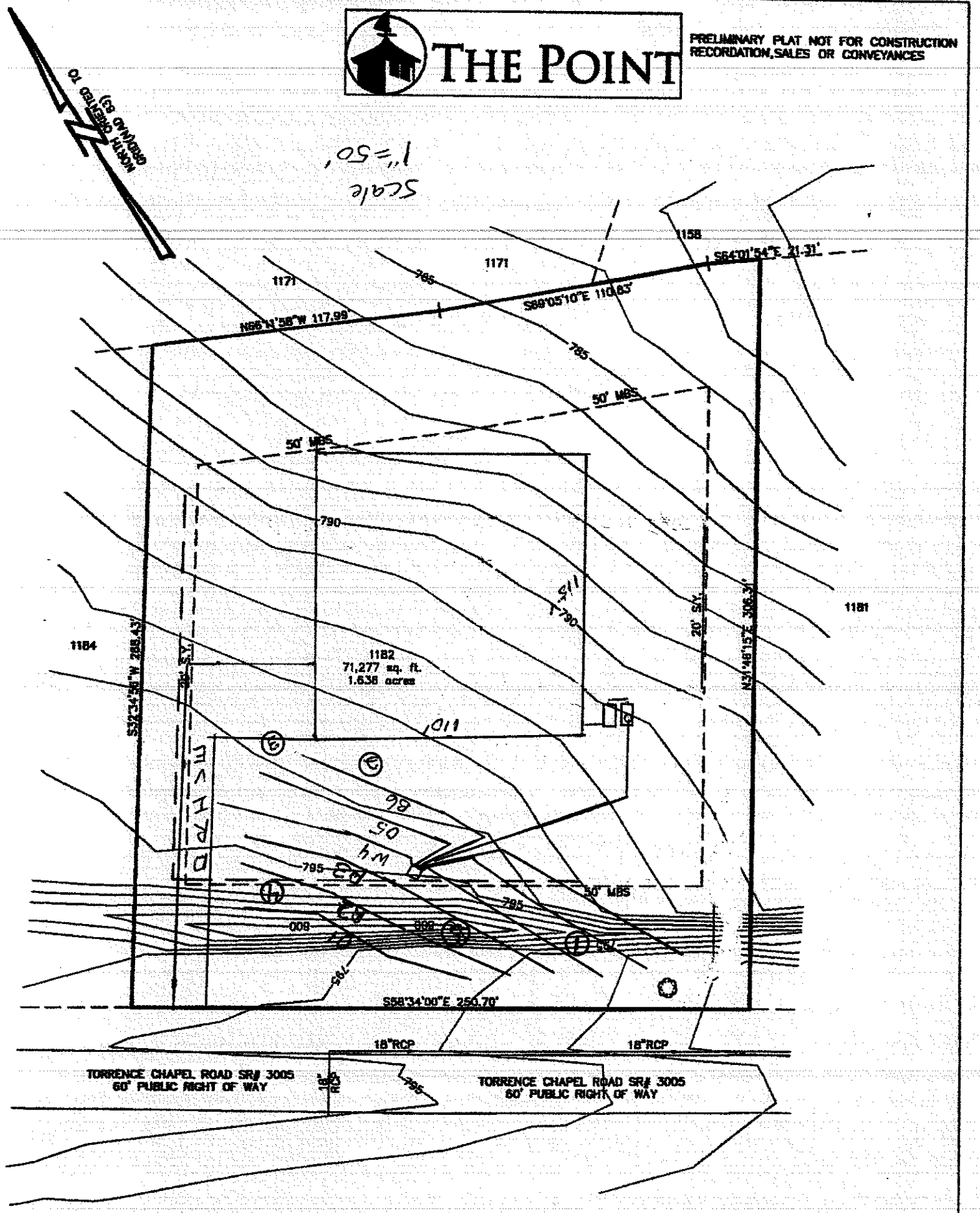
OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): _____

EVALUATED BY: _____
OTHER(S) PRESENT: _____

COMMENTS: _____

THE POINT

PRELIMINARY PLAT NOT FOR CONSTRUCTION
RECORDATION, SALES OR CONVEYANCES



THIS PROPERTY SUBJECT TO A 10' FLOOD EASEMENT TO ELEVATION 770' PER DUKE POWER.

STREET TREES TO BE PLANTED OUTSIDE OF R/W

DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

PROPERTY ID #: _____
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: _____ APPLICATION DATE _____
ADDRESS: _____ DATE EVALUATED: _____
PROPOSED FACILITY: 5 bedroom PROPOSED DESIGN FLOW (.1949): 600 GPD PROPERTY SIZE: _____
LOCATION OF SITE: The Point ph. 11 lot 1182 PROPERTY RECORDED: _____
WATER SUPPLY: ☐ Private ☒ Public ☐ 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)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
1	LS 3%	0-10	FILL			48"			PS 0.3
		10-32	R C SBK	FR SS SP			Few SAP Incl.		
		32-48	R CL WSBK	FR SS SP					
2	LS 3%	0-24	R C SBK	FR SS SP		48"	Few SAP Incl.		PS 0.3
		24-48	R CL WSBK	FR SS SP					
3	LS 3%	0-38	R C SBK	FR SS SP		48"			PS 0.3
		38-48	R CL WSBK	FR SS SP					
4	LS 3%	0-4	FILL		Some surface transition	48"			PS 0.3
		4-26	R C SBK	FR SS SP					
		26-48	R CL WSBK	FR SS SP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	1500 FT2	668 FT2
System Type(s)	25% Reduction	PPBPS
Site LTAR	0.3	0.3

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): _____
EVALUATED BY: M A & Associates
OTHER(S) PRESENT: _____

COMMENTS: _____

SOIL/SITE EVALUATION

(Continuation Sheet)

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: ____________
DATE OF EVALUATION: ____________
COUNTY: Iredell

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZ ON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
5	LS 3%	0-4	FILL			48"			PS 0.3
		4-21	R C SBK	FR SS SP					
		21-48	R CL WSBK	FR SS SP					

COMMENTS: ____________