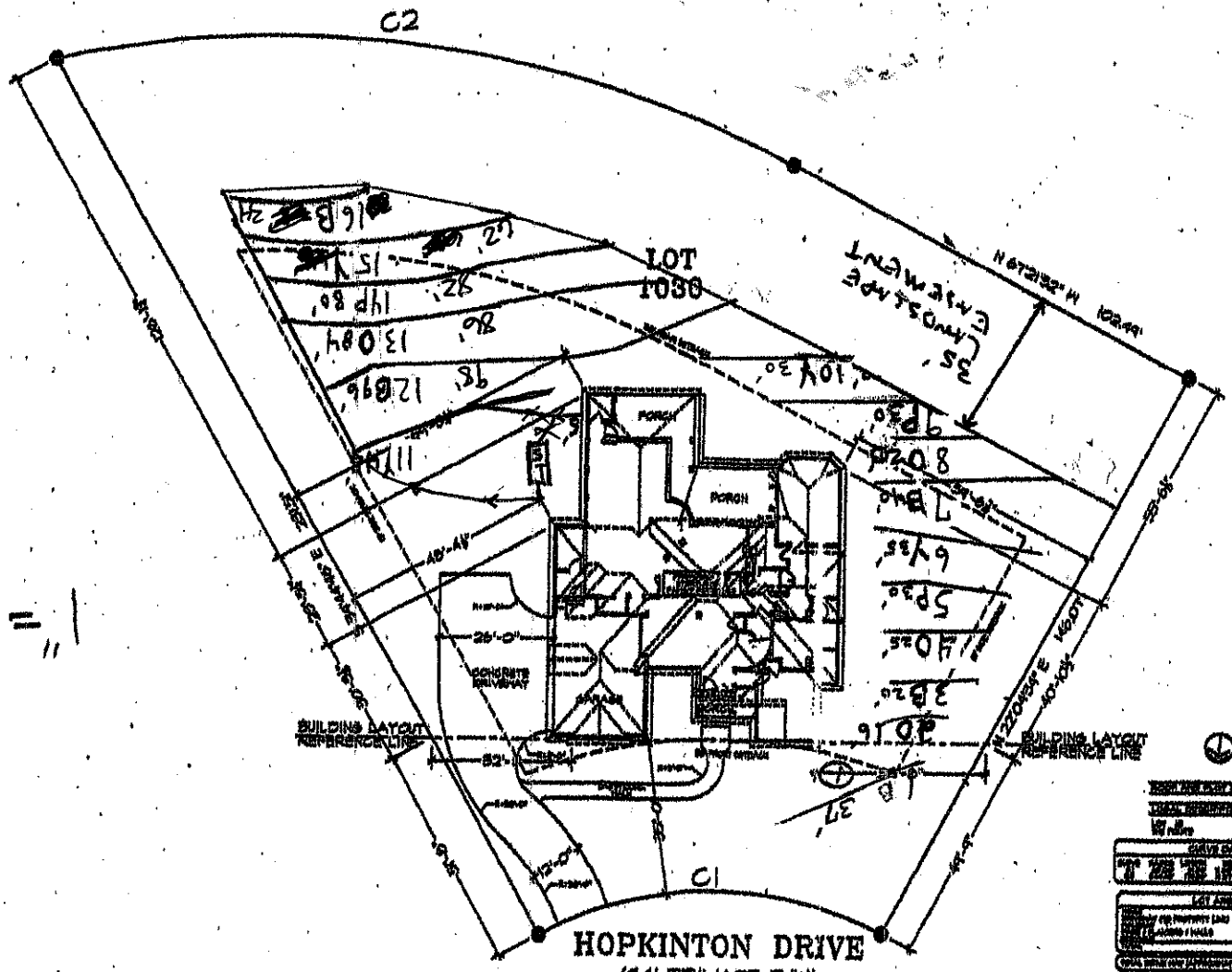
APPROVED SEP 0 8 2014



3

Paid $75.00 8-13-14

RECEIVED SEP 05 2014

Paid $275.00 9-9-14

APPROVED SEP 08 2014



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

Reference: Data Sheet for Point, Sect. 10, Lot 1030
House Footprint: Refer to site plan
Building Setbacks: 35' front/rear, 15' side
Water Source: Community Well
Number of Bedrooms: 4/480 GPD
Predetermined LTAR: 0.3 GPD/FT2 (ICHD)
Proposed System Type: 25% Reduction
Proposed Repair System Type: LP PPBPS
Distribution: Gravity
Linear Feet: 400'
Septic Tank Size: 1500 gallons
Proposed Trench Bottom: 36"

Line	Design Length	Actual Length	Elevation
Blue 1		37'	
Orange 2		16'	
Blue 3		20'	
Orange 4		25'	
Pink 5		30'	
Yellow 6		35'	
Blue 7		40'	
Orange 8		20'	
Pink 9		30'	
Yellow 10		30'	
Yellow 11	**48'**	**48'**	
Blue 12	**96'**	**96'**	
Orange 13	**84'**	**84'**	
Pink 14	**80'**	**80'**	
Yellow 15	**64'**	**64'**	
Blue 16	**28'**	**28'**	

Initial System: 400' **Repair System:** 283'

Comments: This lot is currently permitted by ICHD, Carolina Soil & Septic Consulting was the private consultant who designed the system. MA&A was asked by the current builder Arthur Rutenburg Homes to complete a re-draw in order to re-evaluate the permit due to the enlargement of the house. After reviewing the site plan, the initial system or it's design has not been changed, only the repair was slightly affected by the enlargement of the house box, therefore additional repair lines were added. MA&A has added these lines again to make up for the loss to the repair, we established 283 feet of panel repair. Please note one soil observation was completed in order to determine the soil rating in the expanded repair area. If there are any questions please feel free to contact us.

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

OWNER: Arthur Rutenburg Homes APPLICATION DATE
ADDRESS: DATE EVALUATED: 8-20-14
PROPOSED FACILITY: 4 bedroom PROPOSED DESIGN FLOW (.1949): 480 gpd PROPERTY SIZE: .72 ac
LOCATION OF SITE: Hopkington Ct, lot 1030 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 3-55	0-6	BR SCL WSBK	FR SS/SP SEXP		48"			PS .3
		6-36	R C SBK	F-FR SS/SP SEXP					
		36-48	R CL WSBK	FR SS/SP SEXP					
2									
3									
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: * APPROVED SEP 0 8 2014

COMMENTS: