FAST TRACK
GRAVITY 25% REDUCTION SEPTIC SYSTEM
FOR
SUBSURFACE WASTEWATER DISPOSAL
153 MISTY COVE LANE
MOORESVILLE NC 28117

Prepared for
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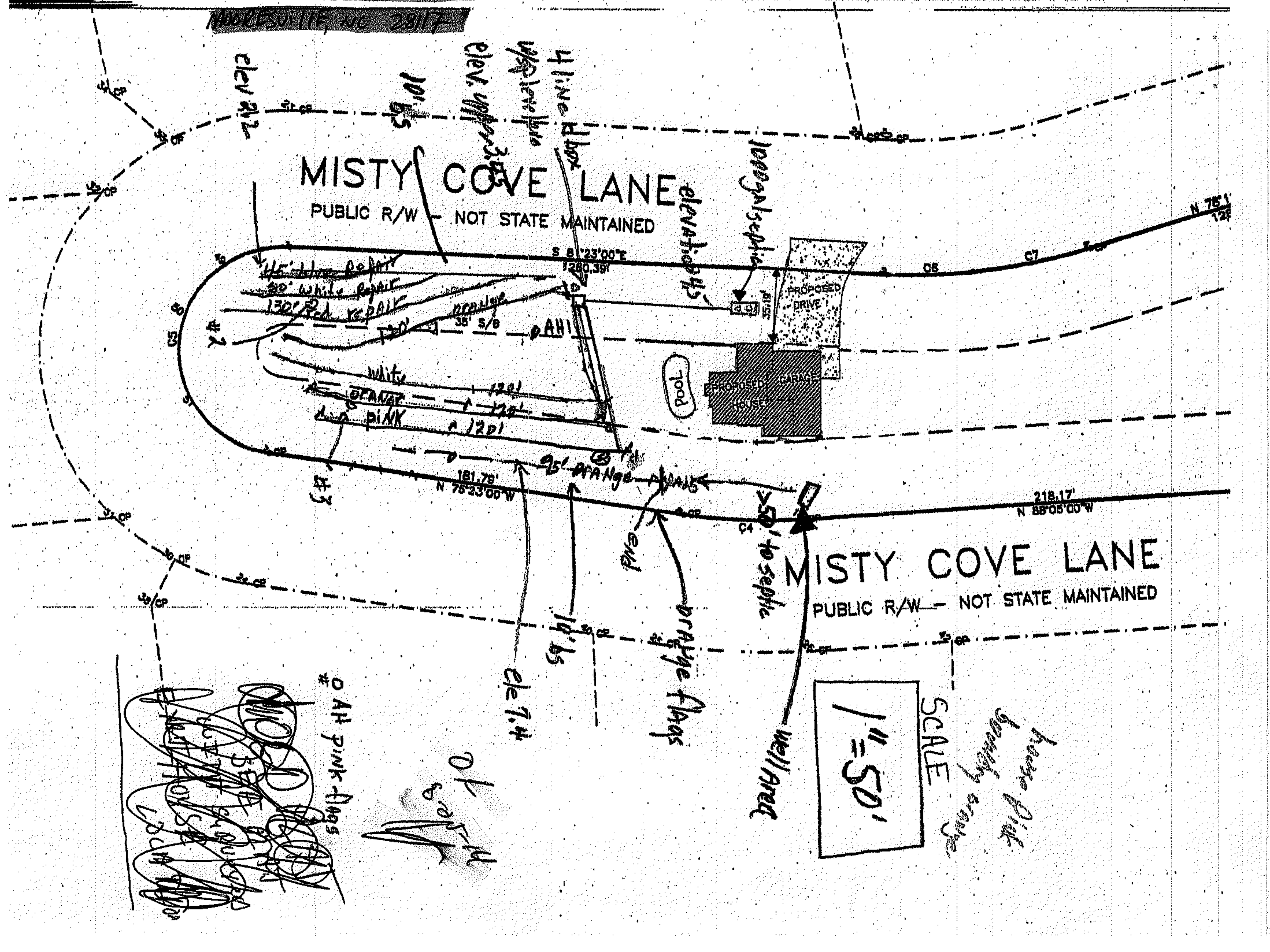
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August 20, 2014

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152 MISTY COVE LANE
MOORESVILLE, NC 28117



DESIGN SPECIFICATIONS
153 Misty Cove Lane

Daily design flow:	480 gpd
Number of bedrooms:	4 bedroom
Foundation:	crawl space
Septic tank size:	1500 gal
Primary system loading rate:	0.25 gpd/ft^2
Primary system:	gravity 25% reduction
Number and length of laterals:	4 @ 120' (4 hole D-box, all set equal)
Line depth:	24-30 inches with 30" high side maximum
Total ft. of primary system:	480 ft.
Dosing:	approved D-box, each line equally dosed
Repair system loading rate:	0.25 gpd/ft^2
Repair system:	LPPPBPS
Number and length of laterals	4 @varying lengths: blue-45', white-80', red-130' and orange-95'
Total ft. of repair:	350' laid out

Note: Set tank as shallow as possible for fall to upper line

OK
8-25-14

On-site Wastewater Section

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Lot #:
File #:
AppID:

Owner: Nick Miller
Applicant:
Address: Misty Cove Rd
Date Evaluated: 5/20/17
Proposed Facility: Forest
Design Flow (.1949) 4BR
Property Size: 1 1/2 22
Location of Site:
Property Recorded: 2014

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	b PROFILE FACTORS .1942: Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR
1	3-5	0-2	g sl	fri nonp 1:1	NA	PS	S	NA	0.25
		2-12	gravel sl/scl	fri " " "	"				
		12-30	channery sl	fri " "					
		30-48	V gravelly scl	fri nonplastic "	Common yellow Mottles > diam 3		NA		
2	3-5	0-11	g sl	fri nonp 1:1	NA			NA	0.3
		11-30	channery sl	fri nonplastic "	Common				
		30-46	V gravelly "	" " "	"				
		46-48	" very " "	" stony "					
3	5-6	0-3	g sl	fri nonp 1:1	NA			NA	0.3
		32	channery sl/scl	fri nonplastic "	Common				
		36-44	V gravelly sl/scl	fri " "	"		PS		
		44-48	very stony sl/scl	fri nonplastic "					
4	5-6	0-8	g sl	fri nonp 1:1	NA			NA	0.3
		8-36	channery sl/scl	" nonplastic "					
		36-48	very gravelly sl	" " "					

Description	Initial System	Repair System
Available Space (.1945)	PS	PS
System Type(s)	25% red	RPBPS
Site LTAR	0.25-.3	0.25-.3

Other Factors (.1946):
Soil Evaluation By: Tommy C Jacobs
Others Present:
Site Classification (.1948): PS
Site Evaluation By:
Others Present:

of 8-25-14