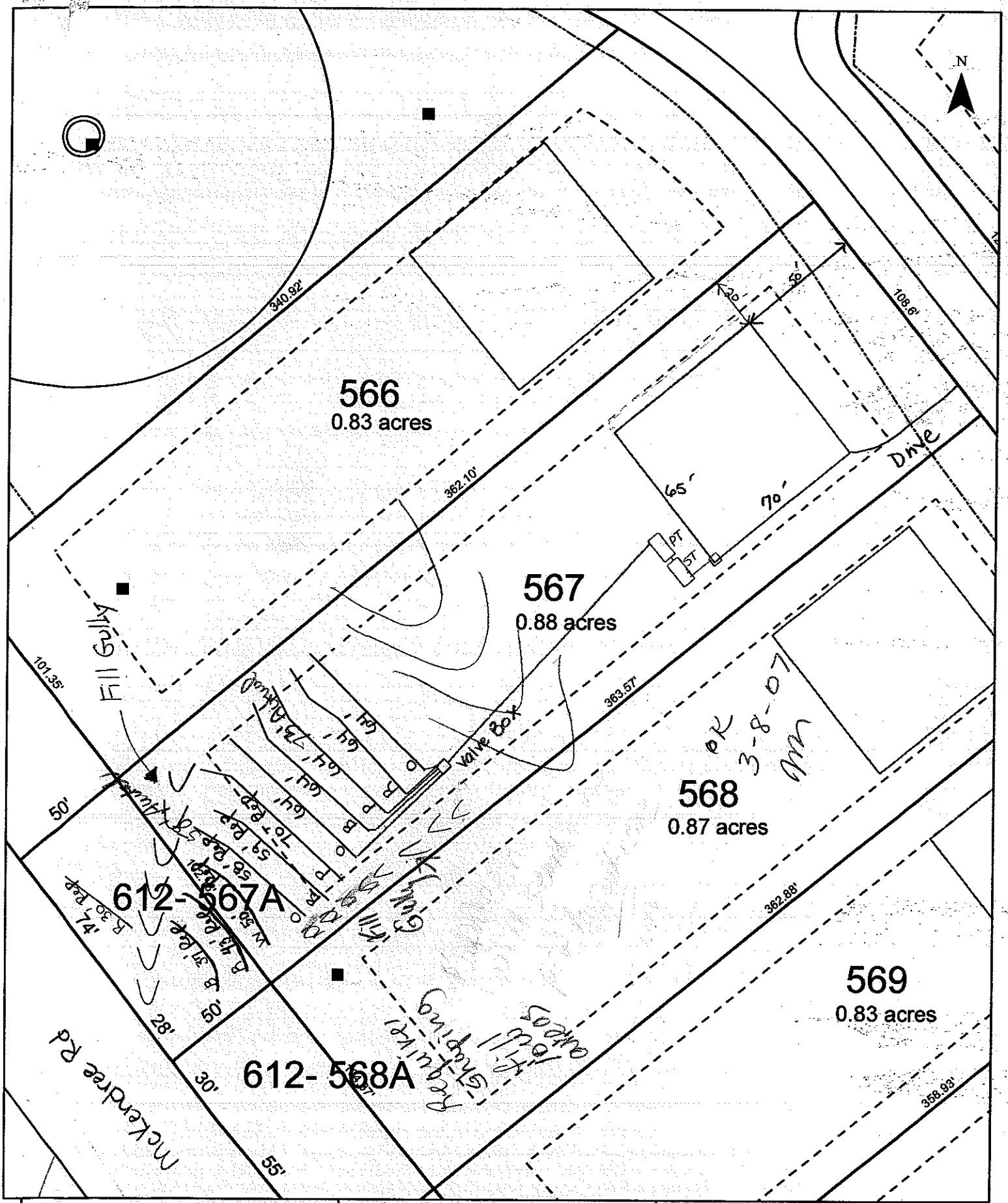


Scale: 1 inch equals 50 feet	S&ME	The Farms - Phase V	FIGURE
Drawn by: JBP		Lot 567	1
Reviewed by: KS		Iredell County, NC	
Date: February, 2007	ENVIRONMENTAL SERVICES • ENGINEERING • TESTING	S&ME Project #1588-05-070	

Lot 567 The Farms Fast Track Septic System Information

Number of Bedrooms	4
Basement or Crawl	~~Basement w/ Plumbing~~ Crawl Space
Design Flow (gpd)	480
LTAR (gpd/ft2)	0.25
Primary System Type	**LP PPBPS**
No. Lines	5 (See Table)
Total Linear Feet	320
Trench Width	3' min.
Trench Spacing	9' min.
Pump Required	Yes
Distribution Device	Gate Valve Box w/ LPP Distribution
Maintenance Agreement Required	Yes
Length and Diameter of Supply Pipe	120' of 2" SCH 40 PVC
Size of laterals	1 1/4" SCH 40 PVC
Flow Rate through the system	35 gpm
Elevation head	Approx. 16'
Pressure head	3.0'
Friction head	2.6'
20% Contingency	4.3'
Total Head	25.9'
Pump Requirements	35 gpm @ 25.9' of head To be designed by installer.
Maximum Dosing Volume	252 gal -1.9 doses/day @ design flow*
Volume of water pumped per dose	Calculated to specific tank by measure or dealer engineering specifications (1 cubic ft. of water equals 7.48 gal.)
Pump Run per dose	approx. 7.2 min.
Check Valve	Yes
Siphon Break hole	No
Repair System	**LP PPBPS**
Total Linear Feet	347

***Before placement of cap block, one panel on each line near the center of the field should be observed filling to make certain that it does not overflow top chamber into air chambers of panel. If overflow occurs, reduce floats by 25 gallons and reset until no overflow is observed.**

Table 1: Summary of Primary and Repair Nitrification Line Specifications

Line No.	Use	Line Color	System Type	Line Length (Ft.)	Rod Reading Elev. (Ft.)	Panels	Holes	Hole Spacing	Hole Size (In.)
1	System	Orange	LPPPBPS	64 endfed	12.0	14	14	1 per panel	5/32"
2	System	Red	LPPPBPS	64 endfed		14	14	1 per panel	5/32"
3	System	Pink	LPPPBPS	64 endfed		14	14	1 per panel	5/32"
4	System	Blue	LPPPBPS	64 endfed		14	14	1 per panel	5/32"
5	System	Orange	LPPPBPS	64 endfed		14	14	1 per panel	5/32"
6	Repair	Pink	LPPPBPS	70					
7	Repair	Blue	LPPPBPS	59					
8	Repair	Orange	LPPPBPS	58	3.3				
9	Repair	White	LPPPBPS	50					
10	Repair	Red	LPPPBPS	43					
11	Repair	Blue	LPPPBPS	37					
12	Repair	Red	LPPPBPS	30					
					0.6				
				Total System: 320'		Total: 70	Total: 70 (1 in each panel turned up)		
				Total Repair: 347'					

Tank	Red	1500 gal (2 compartment)	10.6
Pump Tank	Red	1500 gal.	10.6
House	Blue		9.9

Note: System and Repair located on septic easement 612-567A.
Fill all minor gullies.

DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

Approved 6-12-15 ARP

Sheet ___ of ___
PROPERTY ID #: _____
COUNTY: _____

SOIL/SITE EVALUATION
***for* ON-SITE WASTEWATER SYSTEM**
(Complete all fields in full)

OWNER: Harris Const Group
ADDRESS: _____
PROPOSED FACILITY: _____
LOCATION OF SITE: 124 Classy Trace

APPLICATION DATE: _____
DATE EVALUATED: _____
PROPERTY SIZE: _____
PROPERTY RECORDED: 2007

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
1	L S-2%	0-7	msbk c	fr s/p	red				PS .3
		7-28	wsbk cl	fr ss/sp	yell red	E SAP			
		28-36	ww sbk cl	fr ss/sk	red yell	C SAP			
		36-48	mass l - sl sap	fr ss/ss					
					O	36	PS	O	
2	L S-10%	0-9	msbk c	fr s/p	red f.sl	- cpt			PS .3
		9-17	wsbk cl	fr ss/ss	red br				
		17-28	wsbk cl	fr ss/ss	red f	SAP W			
		28-36	wsbk cl	fr ss/ss	yel	C SAP			
		36-48	mass l	sap fr ss/sp	O	(36)	(PS)	O	
3		↓ - to 60"							
		Pit on HAB							
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS:	PS
System Type(s)	2-52	TS
Site LTAR	.25	.25-.3

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: LCWD 2007 + PSP
OTHER(S) PRESENT: _____
must be approved by LCHD

COMMENTS: _____