Lot 8 Riverwood Bend Subdivision Fast Track

Number of Bedrooms	**3**
Basement or Crawl	**Crawl Space**
Design Flow (gpd)	**360**
Primary System LTAR (gpd/ft2)	**0.3**
Primary System Type	**25% Reduction**
No. Lines	4 (See Table)
Total Linear Feet	300
Trench Width	3' min.
Trench Spacing	9' min.
Trench Depth (low side)	24"
Pump Required	Yes
Distribution Device	Pressure Manifold
Maintenance Agreement Required	No
Length and Diameter of Supply Pipe	240' of 2" SCH 40 PVC
Flow Rate through the system	22
Elevation head	Approx. 13.2'
Pressure head	2.0'
Friction head	1.8'
20% Contingency	3.4'
Total Head	20.4'
Pump Requirements	22 gpm @ 20.4' of head To be designed by installer.
Maximum Dosing Volume	180 gal -2.0 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. 8.2 min.
Repair System	**LP PPBPS**
Total Linear Feet	245
Repair Loading Rate	0.3

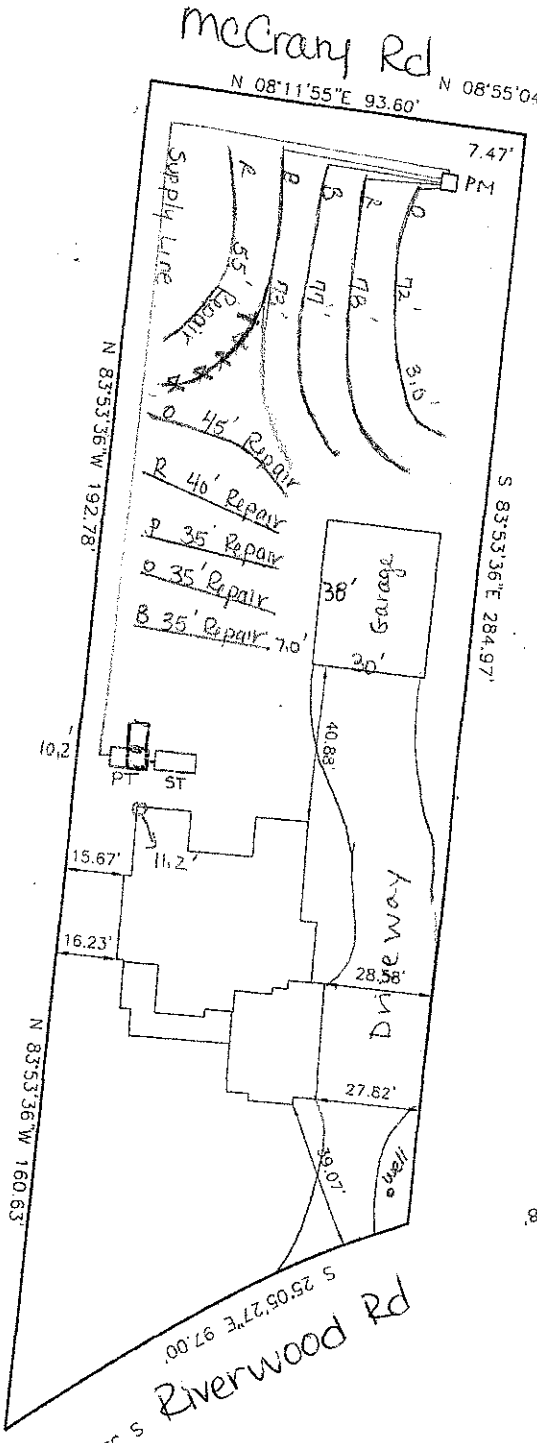
Table: Summary of Primary and Repair Nitrification Line Specifications

Line No.	Use	Line Color	System Type	Line Length (Ft.)	Elevation (Ft.)
1	Repair	Orange	25% Reduction	72 endfed	3.0
2	System	Red	25% Reduction	78 endfed	
3	System	Blue	25% Reduction	77 endfed	
4	System	Pink	25% Reduction	73 endfed	
5	System	Red	LP PPBPS	55	
6	Repair	Orange	LP PPBPS	45	
7	Repair	Red	LP PPBPS	40	
8	Repair	Pink	LP PPBPS	35	
9	Repair	Orange	LP PPBPS	35	
10	Repair	Blue	LP PPBPS	35	7
				Total System: 300'	
				Total Repair: 245'	

Tank	Red	1000 gal (2 compartment)	
Pump Tank	Red	1000 gal.	10.2
House	staked		11.2

Manifold Information	
Tap Size (In.)	1/2
Tap Material	SCH 80 PVC
No. Taps	4
Barrel Size (In.)	4
Barrel Material	SCH 80 PVC
Flow (gpm)/Tap	5.5

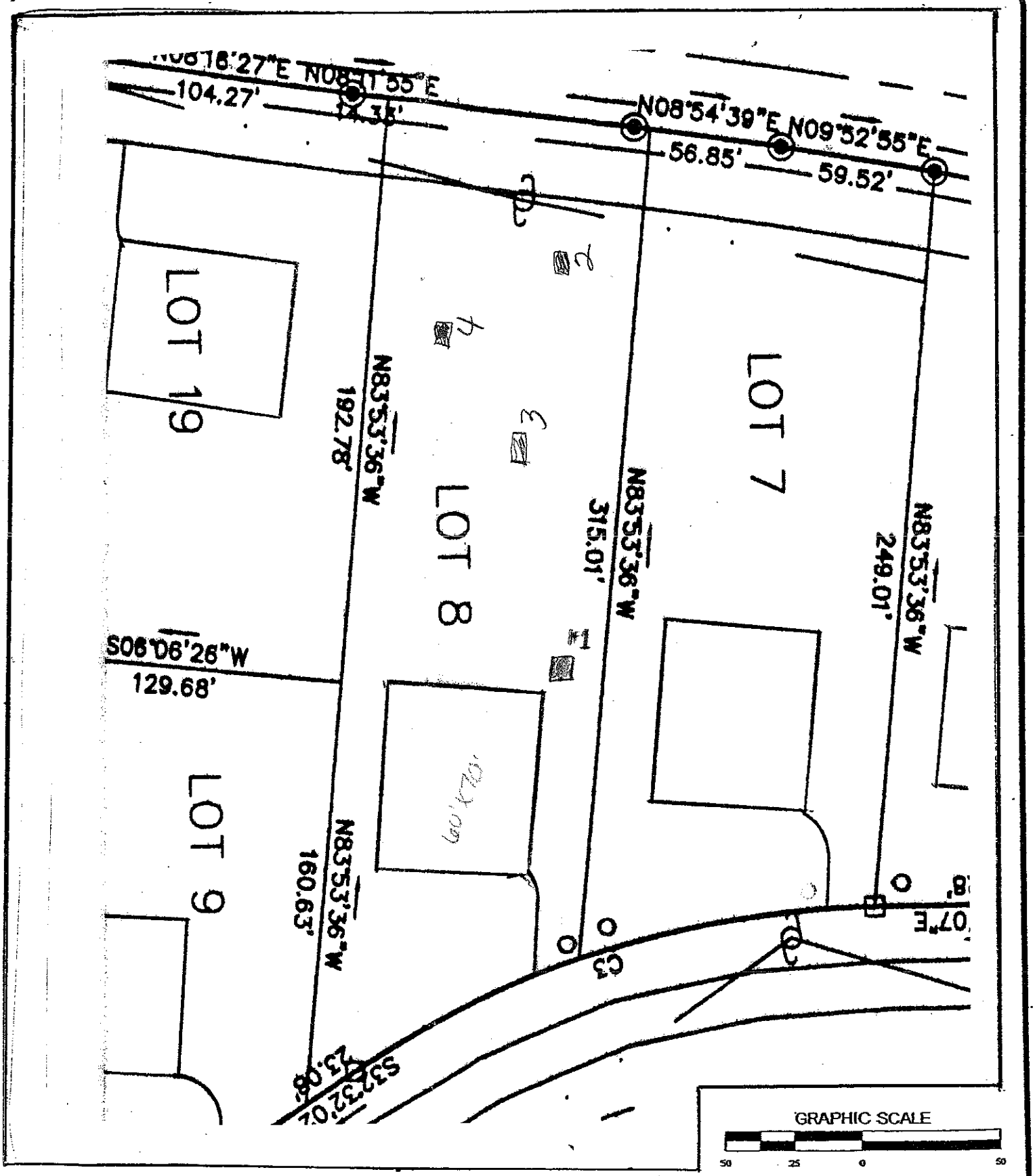
Note: **Soil LTAR used from original, unexpired permit**
All elevations should be verified by installer prior to installation.



OK
ICHD

10/27/14

1" = 50'



SCALE:	AS SHOWN
DATE:	10/03/07
DRAWN BY:	PLM
PROJECT NO:	1588-07-051

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PRELIMINARY

FIGURE NO.

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

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

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Lakeland Luxury — APPLICATION DATE _____
ADDRESS: _____ DATE EVALUATED: _____
PROPOSED FACILITY: 4 BR SFD — PROPOSED DESIGN FLOW (.1949): 480 GPD — PROPERTY SIZE: _____
LOCATION OF SITE: LOT 8 — PROPERTY RECORDED: _____
WATER SUPPLY: ☒ Private ☐ Public ☒ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☐ Auger Boring ☒ Pit ☐ Cut — TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1948 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 (OP 7)		0-8	Gr, SCL	Fr, SS, SP	(Br)				0.30
		8-48	sbk, C-cl	Fr, SS, SP	(R)				
2		0-27	mosbkc	fr sssp	Red				.3
		27-55	wk sbk cl	fr sssp	Red	c-m vf-wR	Sap		
3	10%	0-33	mosbkcc	fr sssp	Red				.3
		33-48	wk sbk cl	fr sssp	Red	f Sap			
4		0-5	wk gr sc l	fr sssp	Red Br.				.3
		5-30	mosbkc	fr sssp	Red				
		30-50	wk sbk cl	fr sssp	Red	f-c Sap			

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: _____