Twin Creek Lot 17 Septic System Layout

Client: Unifour Engineering
Project Name: 3 Iredell lots
Project #: 5-1991
Lot #: Twin Creek Lot 17
Estimated design daily fl 480
System type: T&J Panel system and repair
Proposed System LTAR: 0.3 gpd/ft^2
Line length needed for initial syste 267 ft
Trench bottom depth: 28 inches

Line #	Color	Rod reading	Relative elevation	Line length (ft)	Will utilize for system		
1	orange	5.5	95.8	50	50	System	
2	blue	7.1	94.2	56	50	System	
3	pink	8.6	92.7	72	50	System	20 repair
4	red	9.5	91.8	90	50	System	40 repair
5	yellow	10.3	91	90	50	System	40 repair
6	pink	11	90.3	70	50	System	20 repair
7	orange	11.9	89.4	71		repair	
8	blue	12.9	88.4	30			
9	pink	5	96.3	40		repair	
10	blue	5.6	95.7	36		repair	
11	orange	6	95.3	27		repair	
TBM		1.3	100				
House	right rear	0.4	100.9				
Septic Tank		2.5	98.8				

Total Line Length: 632

TBM is stump with white pin flag

	LINE LENGTH	LTAR GPD/FT^2	SYSTEM TYPE	DISTRIBUTION
System	300	0.300	T&J Panel	Drop Box
Repair	294	0.300	T&J Panel	lpp

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: _____ APPLICATION DATE_____
ADDRESS: Lot 17 Twin Creek Sub DATE EVALUATED: 6/1/07
PROPOSED FACILITY: 3 bedroom house PROPOSED DESIGN FLOW (.1949): 360 gal PROPERTY SIZE: 0.90 ac
LOCATION OF SITE: Lot 17 Twin Creek Sub 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	
bor 1	LINEAR 15%	0-4	WKF SBK SCL	FR SS SP SEXP	>48	>48	>48	>48	0.3 PS
		4-32	MM SBK C	FI SS SP SEXP					
		32-48	WF SBK CL	FR SS SP SEXP					
pit 1	LINEAR 15%	0-5	WKF SBK SCL	FR SS SP SEXP	>40	>40	>40	>40	0.30 PS
		5-26	MM SBK C	FI SS SP SEXP					
		26-40	WF SBK CL	FR SS SP SEXP					
bor 2	LINEAR 15%	0-12	WKF SBK SCL	FR SS SP SEXP	>42	>42	>42	>42	0.3 PS
		12-42	MM SBK C	FI SS SP SEXP					
bor 3	LINEAR 25%	0-7	WKF SBK SCL	FR SS SP SEXP	>23	23	>23	23	0.1 PS DRIP
		7-23	MM SBK C	FI SS SP SEXP					
		23	rock						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	300	200
System Type(s)	CONV/INNOV	T&J Panel
Site LTAR	0.3	0.3

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): PS _____
EVALUATED BY: _____ SP _____
OTHER(S) PRESENT: _____

COMMENTS: _____

LICENSED SOIL SCIENTIST
STEVEN M. PRICE
THE STATE HEALTH CAROLINA
1163
STATE OF NORTH CAROLINA

SOIL/SITE EVALUATION

(Continuation Sheet)

Sheet ____ of ____

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: _____
DATE OF EVALUATION: _____
COUNTY: _____

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
bor 4	LINEAR 15%	0-15	WKF SBK SCL	FR SS SP SEXP	>42	>42	>42	>42	0.3 PS
		15-42	MM SBK C	FI SS SP SEXP					
bor 5	LINEAR 15%	0-5	WKF SBK SCL	FR SS SP SEXP	>42	>42	>42	>42	0.3 PS
		5-42	MM SBK C	FI SS SP SEXP					
bor 6	LINEAR 15%	0-32	MM SBK C	FI SS SP SEXP	>48	>48	>48	>48	0.3 PS
		32-48	WKF SBK CL	FR SS SP SEXP					

COMMENTS: _____