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Reference: Data Sheet for lot 4, Woodstream Estates, 117 Hawks Nest Lane
House Footprint: 67' x 66'
Required Building Setbacks: 35'front/rear, 15'side
Actual Building (house) Setback: 103' front, 28/36' right side
Water Source: Private well
Number of Bedrooms: 5
Design Flow: 600 GPD (120gal/bedroom x 5 = 600)
Proposed LTAR: 0.3 GPD/FT2
Proposed System Type: 25% Reduction
Proposed Repair System Type: Pumped 50% Reduction
Initial System Distribution: Serial, gravity-drop boxes as needed
Septic Tank Size: 1500 gallons
Proposed Trench Bottom: 24", can be 36" if needed

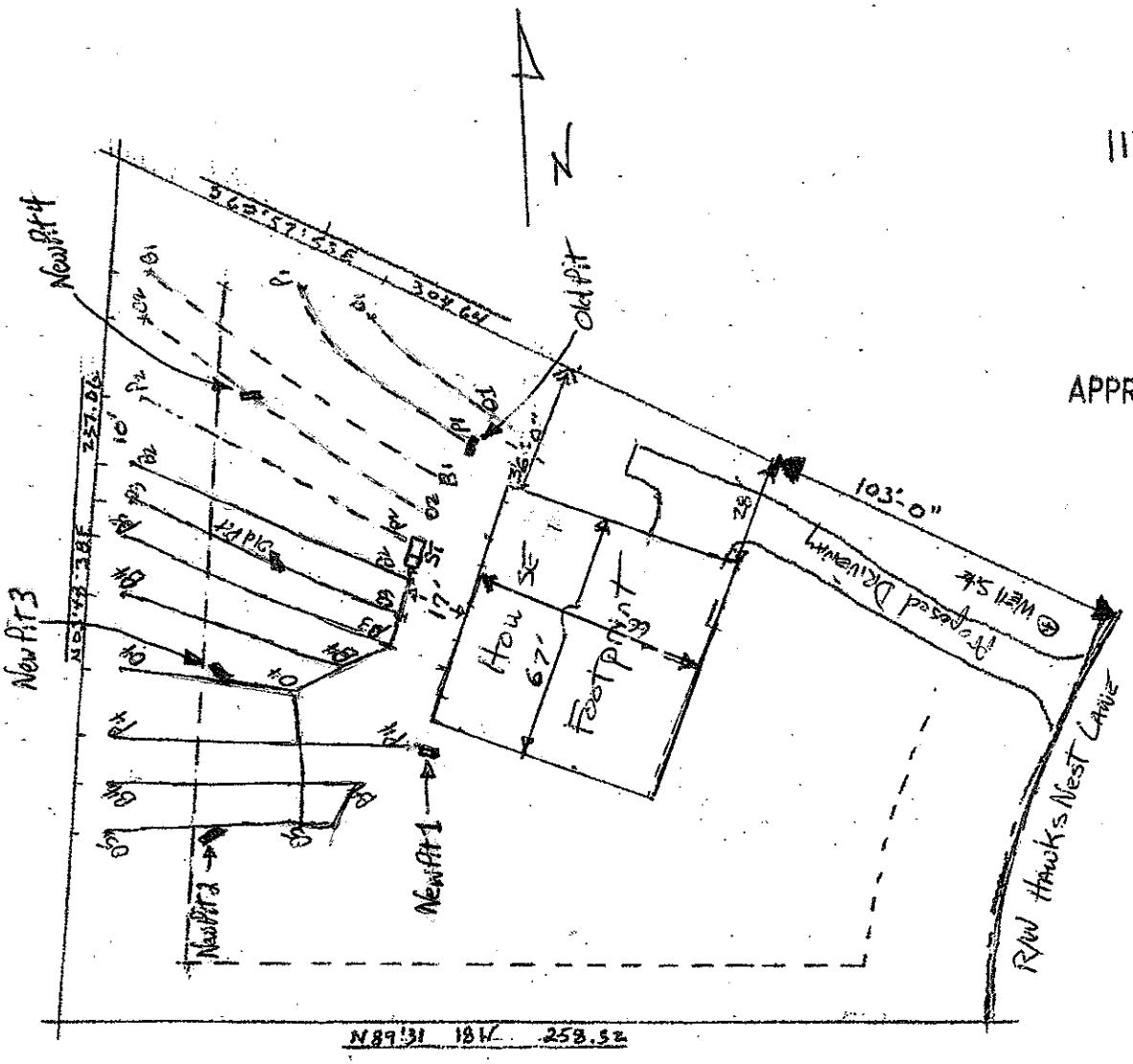
Line	Design Length	Actual Length
Orange 1		40'
Pink 1		66'
Blue 1		100'
Orange 2		95'
Pink 2		82'
Blue 2	**75'**	**77'**
Orange 3	**70'**	**73'**
Pink 3	**70'**	**71'**
Blue 3	**50'**	**50'**
Orange 4	**45'**	**48'**
Pink 4	**80'**	**80'**
Blue 4	**60'**	**62'**
Orange 5	**50'**	**50'**

Initial System: 500' proposed, 511'flagged
Repair System: 383' total

Comments: Owner desires to use in house sewage lift station and exit plumbing at main level. Plumbing to exit house approximately at level of Pink 2 lateral. System has been flagged 17' off rear of house to accommodate a 12'deck. Final landscaping to divert stormwater from front yard to within 15' of left side property line.

117 Hawksnest Ln
Mooresville NC

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SITE PLAN

1" = 50'

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

PROPERTY ID #: 4639455442
COUNTY: Iredell

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

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OWNER: Larry Hepner — APPLICATION DATE: ____
ADDRESS: 199 Pecan Hills Dr, Mooresville, N.C. — DATE EVALUATED: Feb 2, 2015
PROPOSED FACILITY: SFR — PROPOSED DESIGN FLOW (.1949): 600 gpd — PROPERTY SIZE: 1 Ac
LOCATION OF SITE: 117 Hawks Nest Lane, Mooresville — PROPERTY RECORDED: yes

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	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
1	15% L	0-9	wkSBK scL	frSSSp SEXP	None obs.	32"	S 32"+	None	.3
		9-32	m SBK cL	frSSSp SEXP					
		32-60	Massive LSAP	frSSSp few fine chromic mottles 43-47" on Wall					
2	12% L	0-5	wkSBK cL	frSSSp SEXP	None obs	36"	S 36"+	None	.3
		5-26	mostly SBK C	frSSSp SEXP					
		26-36	wkSBK cL + SAP	frSSSp SEXP					
		36-60	Massive LSAP	frSSSp					
3	19% S/L	0-9	gr/wkSBK SL/scL	frSSNP	None obs	38"	S 38"+	None	.3
		9-27	SBK C	frSSSp SEXP					
		27-38	wkSBK cL	frSSSp SEXP SAP in cL					
		38-60	Massive L/cL SAP	frSSNP					
4	14% S	0-5	gr brn SL/scL	frSSNP	None obs	35"	S 35"+	None	.3
		5-26	SBK C	frSSSp SEXP					
		26-35	wkSBK cL	frSSSp SEXP few SAP in cL					
		35-60	Massive L SAP	frSSSp					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	GRAV 25% Reduction	LPP/PBPS
Site LTAR	.3	.3

OTHER FACTORS (.1946): ____
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: DR Hinson, Mike Athanas
OTHER(S) PRESENT: ____

COMMENTS: ____

SOIL/SITE EVALUATION

(Continuation Sheet)

Sheet ___ of ___

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

Lot 4
Woodstream Estates @ Hawks Nest

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
P 11 A	LSS 8-12%	0-15	RC MFSBK	fri SSSP Sea	common sap	43"	PS	—	PS .3-.35
		15-43	RLR WSBK	fri SSSP Sea					
		43-62	SL SAP M	fri SSSP					
2	14% S	0-16	gr sl	fr ns np	f-feldspar				.3
		16-57	WK/mosbkcl	fi ss sp soil dry					
4		0-15	mosbk RC	fr/fi ss sp					.3
		15-42	wk sbk RCl	fr ss sp					
		42-68	sl sap m	fr ns np soil dry					
3		0-6	BrSCl gr	fr SSSP					.3
		6-48	RC mofsbk	fr ss sp					

COMMENTS: _____